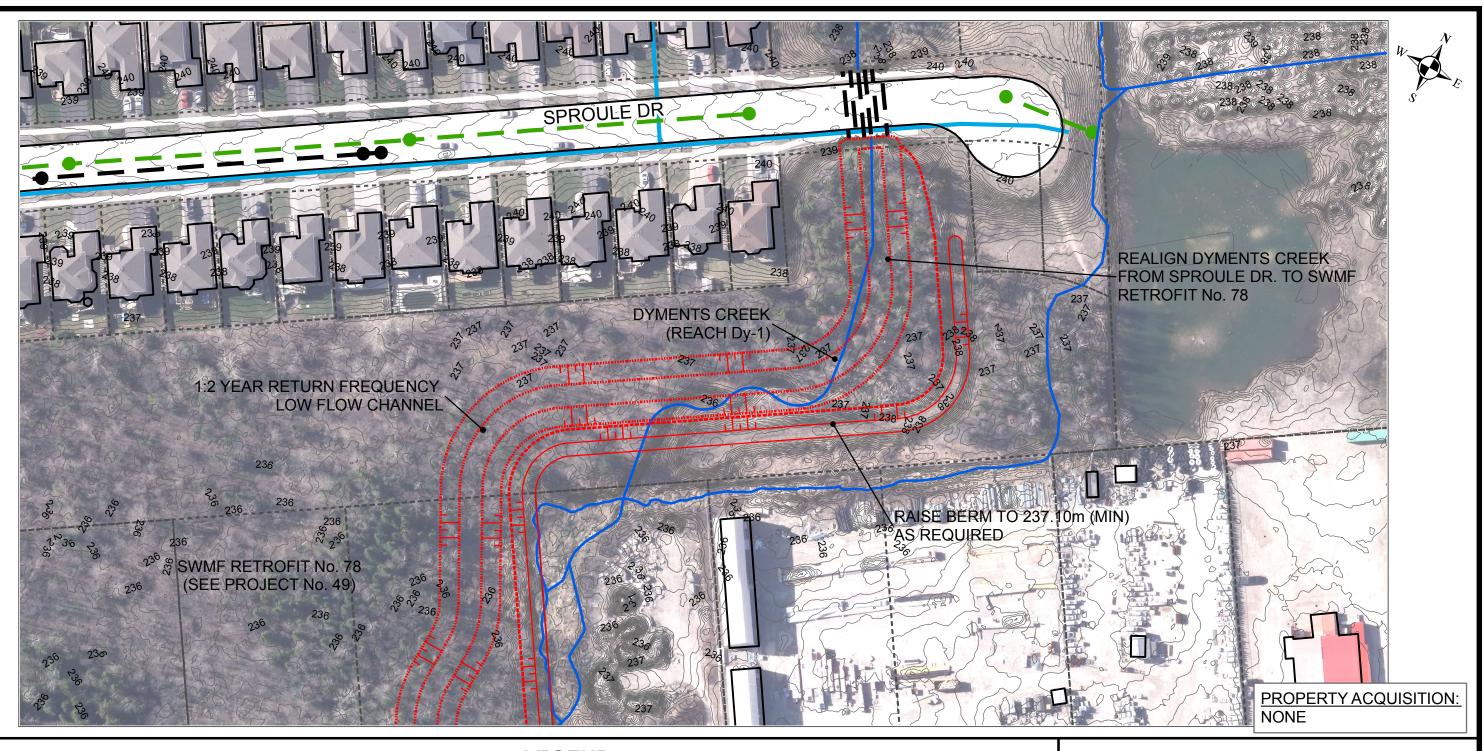
Appendix N: Final Preferred Solutions Conceptual Designs - Dyments Creek Watershed







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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

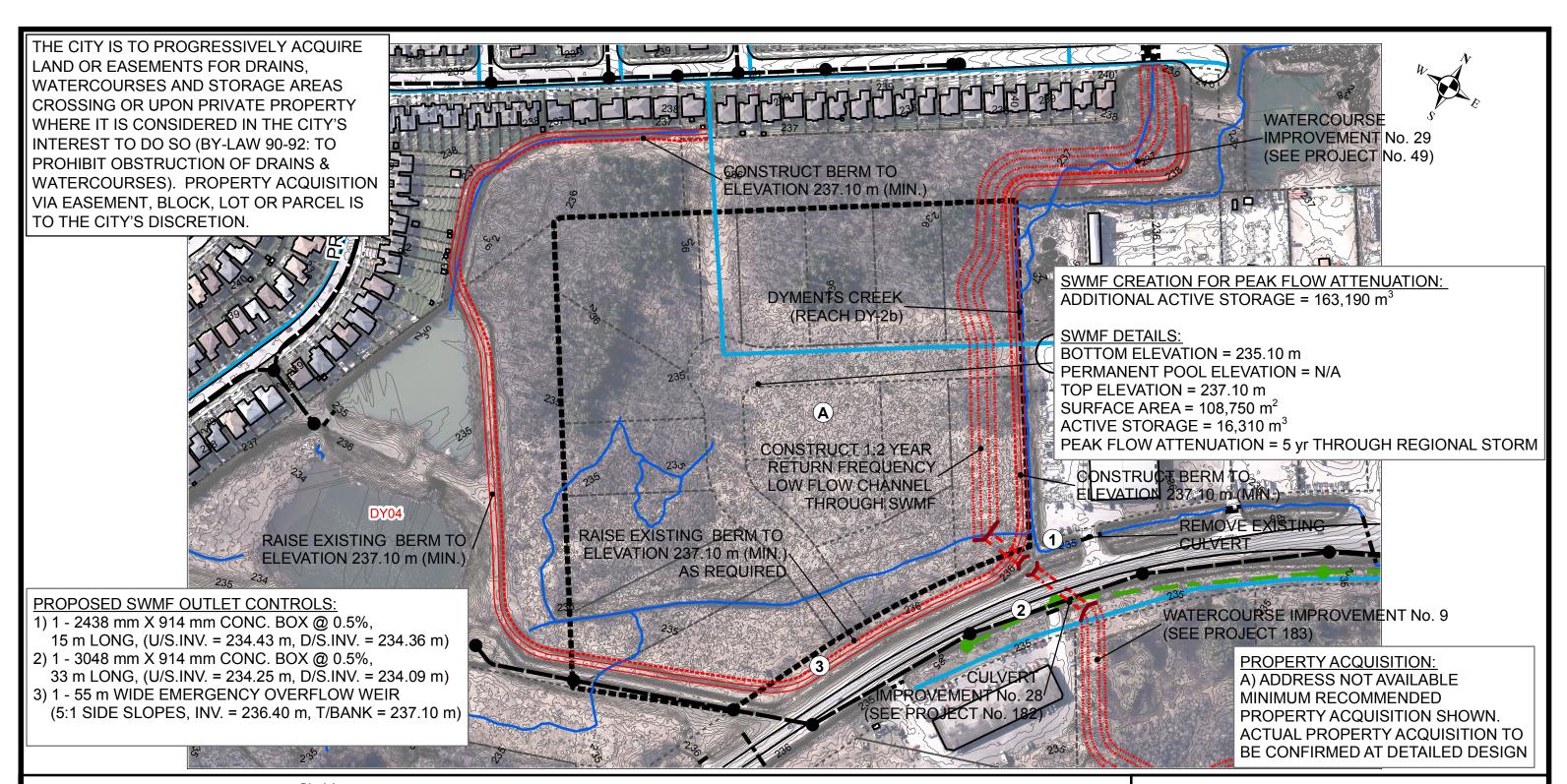
EX. WATERMAIN

- EX. STORM SEWER
- EX. PROPERTY LINE
 PROPERTY ACQUISITION

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 49
WATERCOURSE IMPROVEMENT No. 29
DYMENTS CREEK WATERSHED

SCALE = 1:1,000







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LEGEND

PR STORM MAINTENANCE

PR. STORM SEWER

EX. SANITARY SEWER

EX. SANITARY MAINTENANCE HOLE



PR. LID



EX. STORM MAINTENANCE
HOLF

EX. STORM SEWER

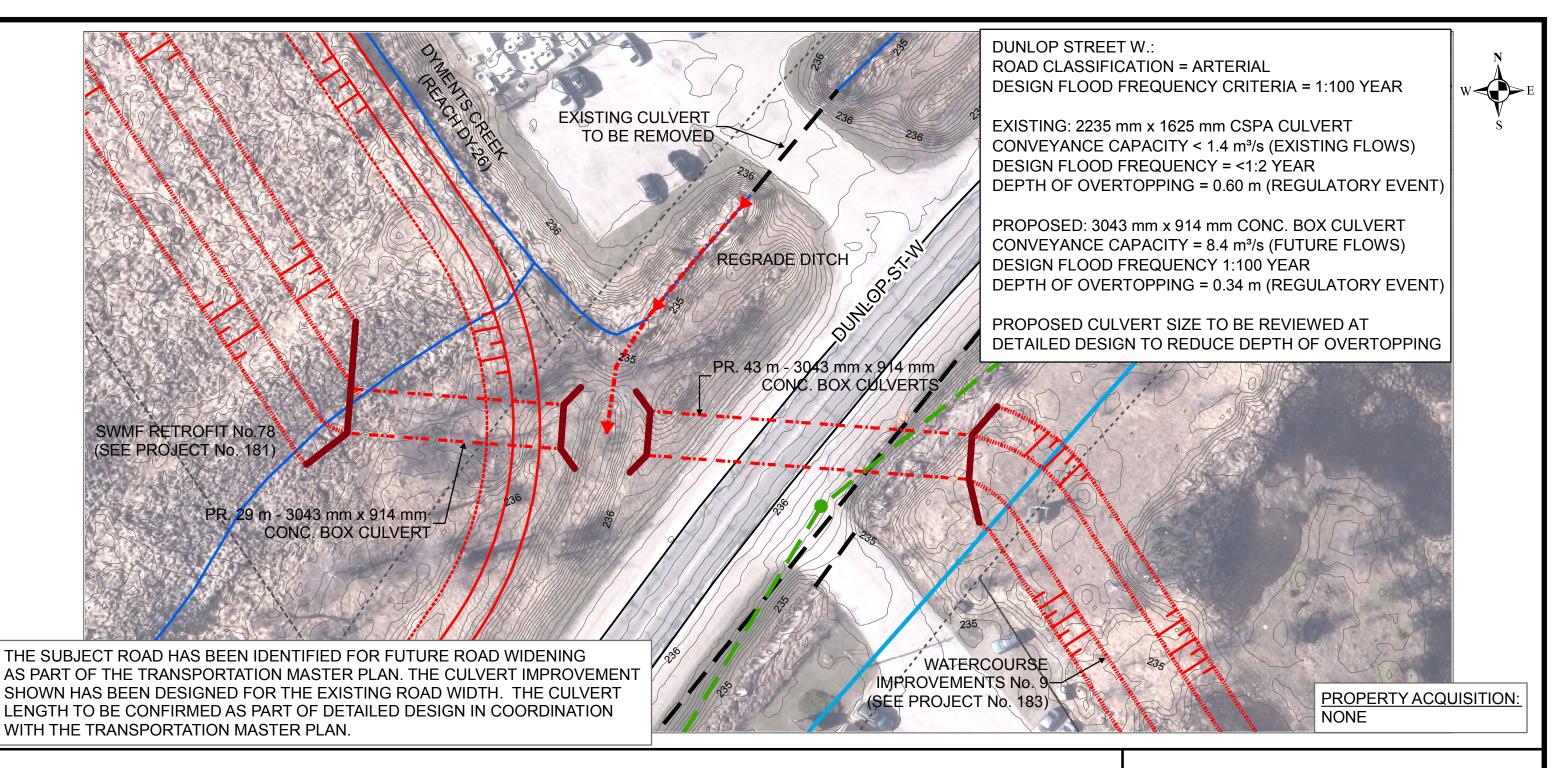
EX. WATERCOURSE

PROPERTY ACQUISITION

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 181 SWMF RETROFIT No. 78 DYMENTS CREEK WATERSHED

SCALE = 1:2,500







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LEGEND

- PR. CULVERT PR. STORM SEWER HOLE PR STORM MAINTENANCE

HOLE EX. STORM SEWER

EX. STORM MAINTENANCE HOLE

WATERCOURSE

EX. SANITARY SEWER

EX. SANITARY MAINTENANCE

EX. WATERMAIN

EX. CULVERT

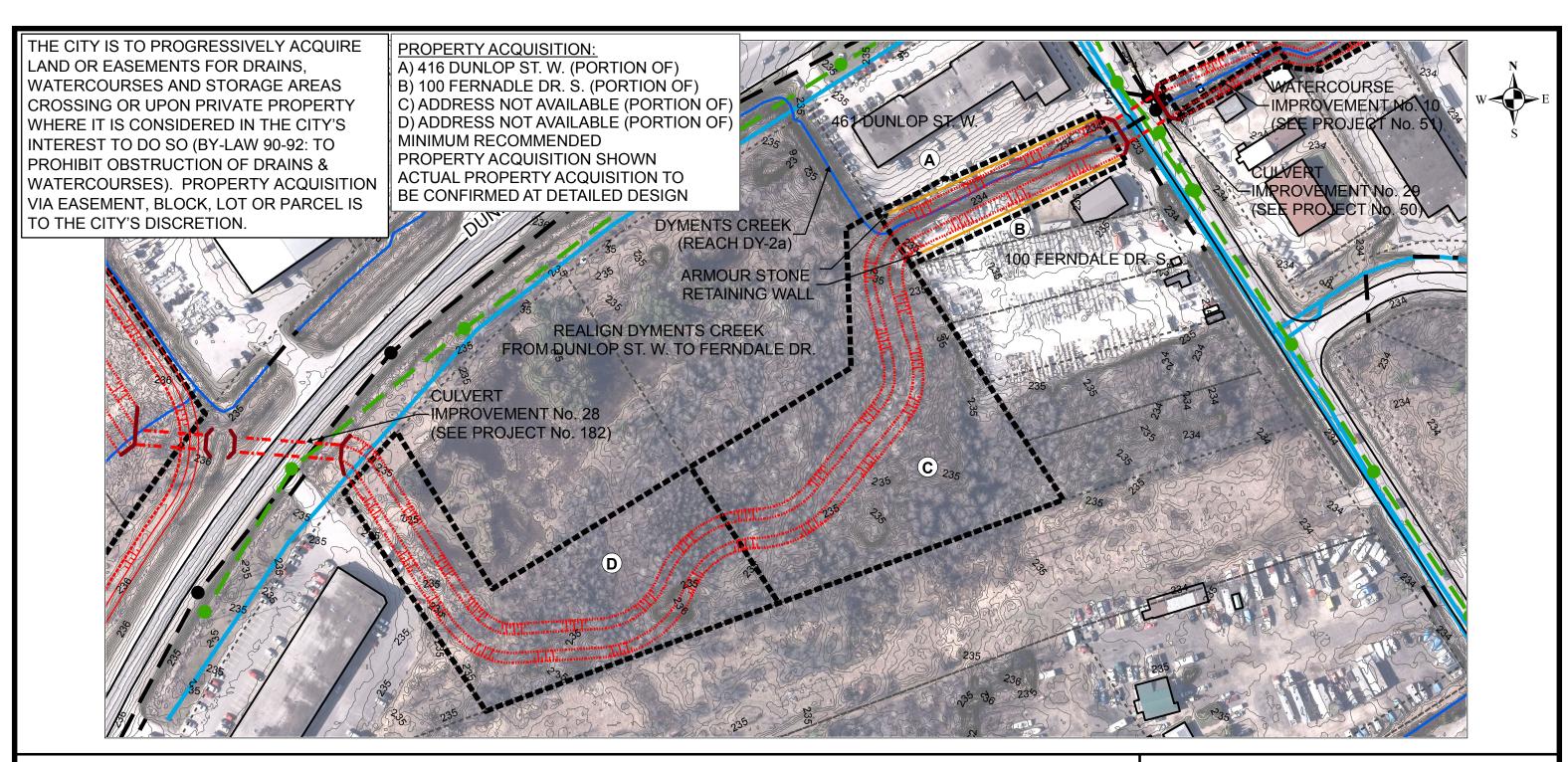
EX. PROPERTY LINE

PROPERTY ACQUISITION

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 182 **CULVERT IMPROVEMENT No. 28** (DUNLOP ST. W.) DYMENTS 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. WATERMAIN

EX. STORM MAINTENANCE HOLE

EX. STORM SEWER

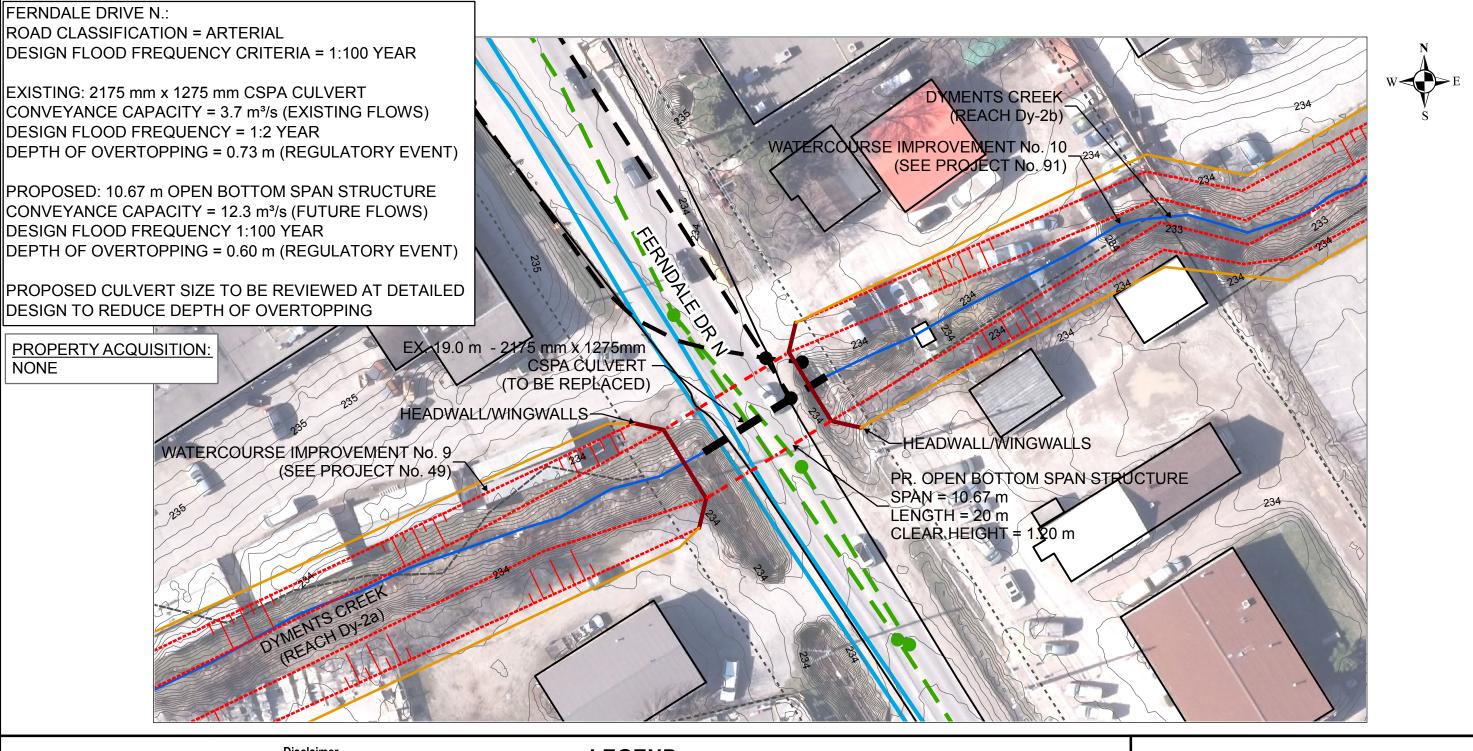
EX. PROPERTY LINE

PROPERTY ACQUISITION

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 183
WATERCOURSE IMPROVEMENT No. 9
DYMENTS CREEK WATERSHED

SCALE = 1:1,500





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LEGEND

--- PR. CULVERT

PR. STORM SEWER
PR STORM MAINTENANCE
HOLE

EX. STORM SEWER

WATERCOURSE

EX. STORM MAINTENANCE HOLE

■ EX. CULVERT

HOLE

EX. PROPERTY LINE

EX. WATERMAIN

EX. SANITARY SEWER

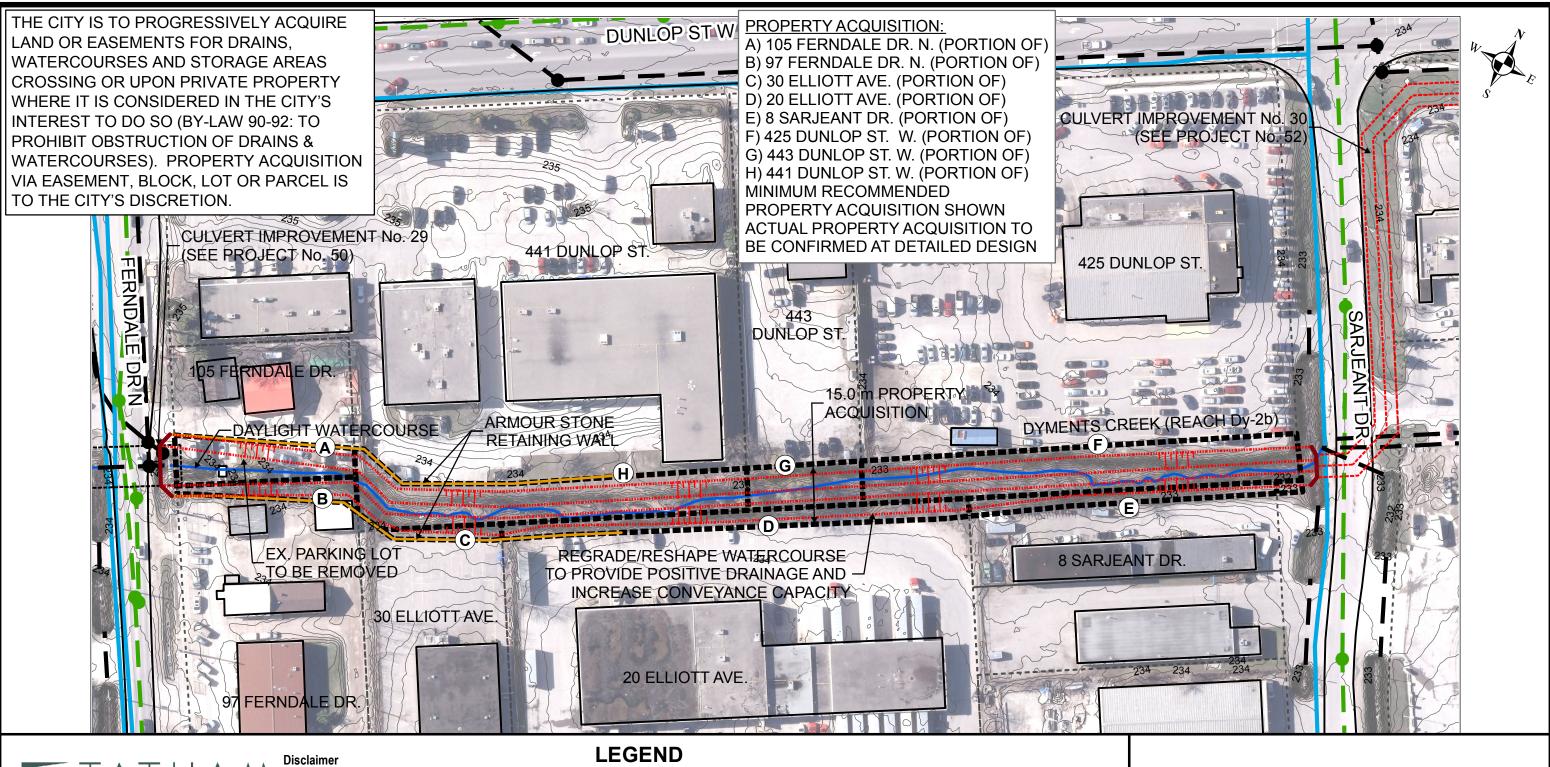
EX. SANITARY MAINTENANCE

PROPERTY ACQUISITION

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 50
CULVERT IMPROVEMENT No. 29
(FERNDALE DR. N.)
DYMENTS CREEK WATERSHED

SCALE = 1:500







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

EX. SANITARY SEWER

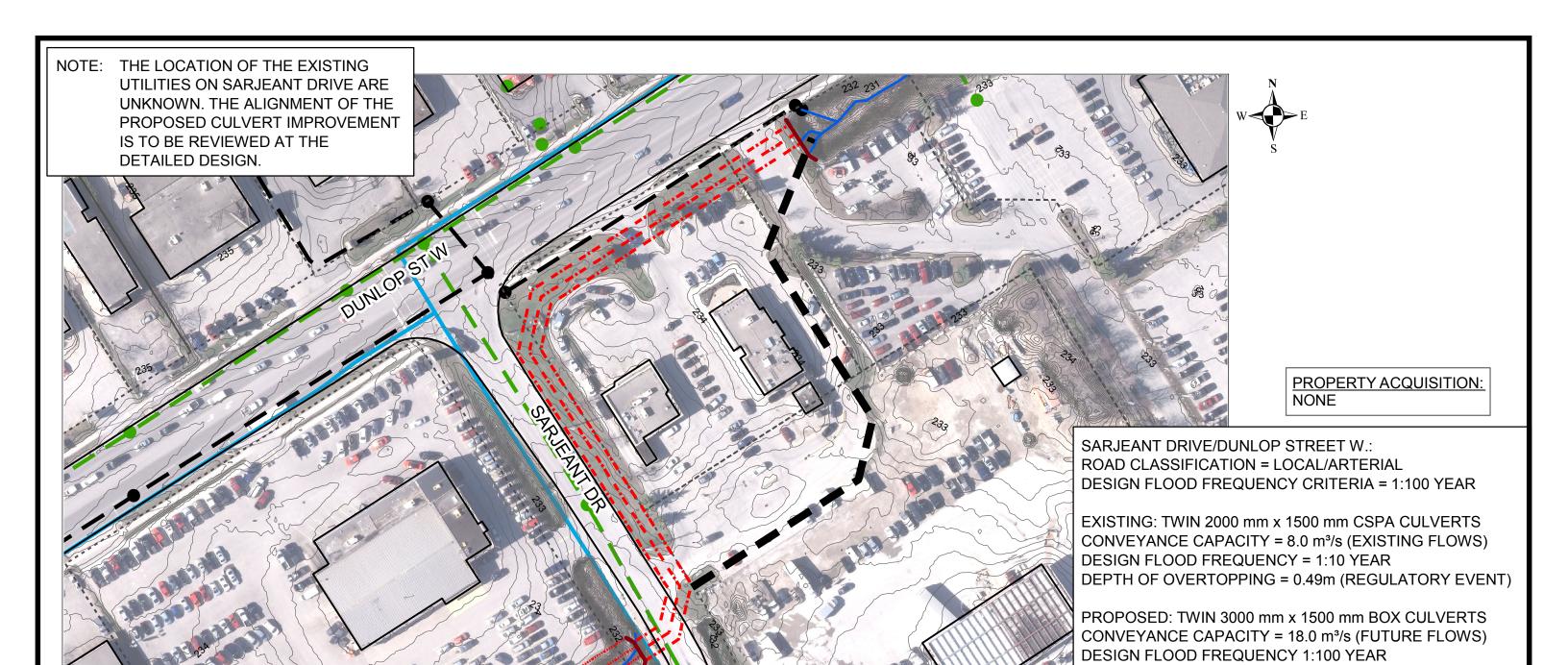
EX. WATERMAIN

- EX. WATERCOURSE
- EX. STORM MAINTENANCE
 HOLE
- EX. STORM SEWER
- EX. PROPERTY LINE
 - PROPERTY ACQUISITION

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 51
WATERCOURSE IMPROVEMENT No. 10
DYMENTS CREEK WATERSHED

SCALE = 1:1,000







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LEGEND

-- CULVERT (PREFERRED ROUTE)

PR. STORM SEWER

PR STORM MAINTENANCE

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

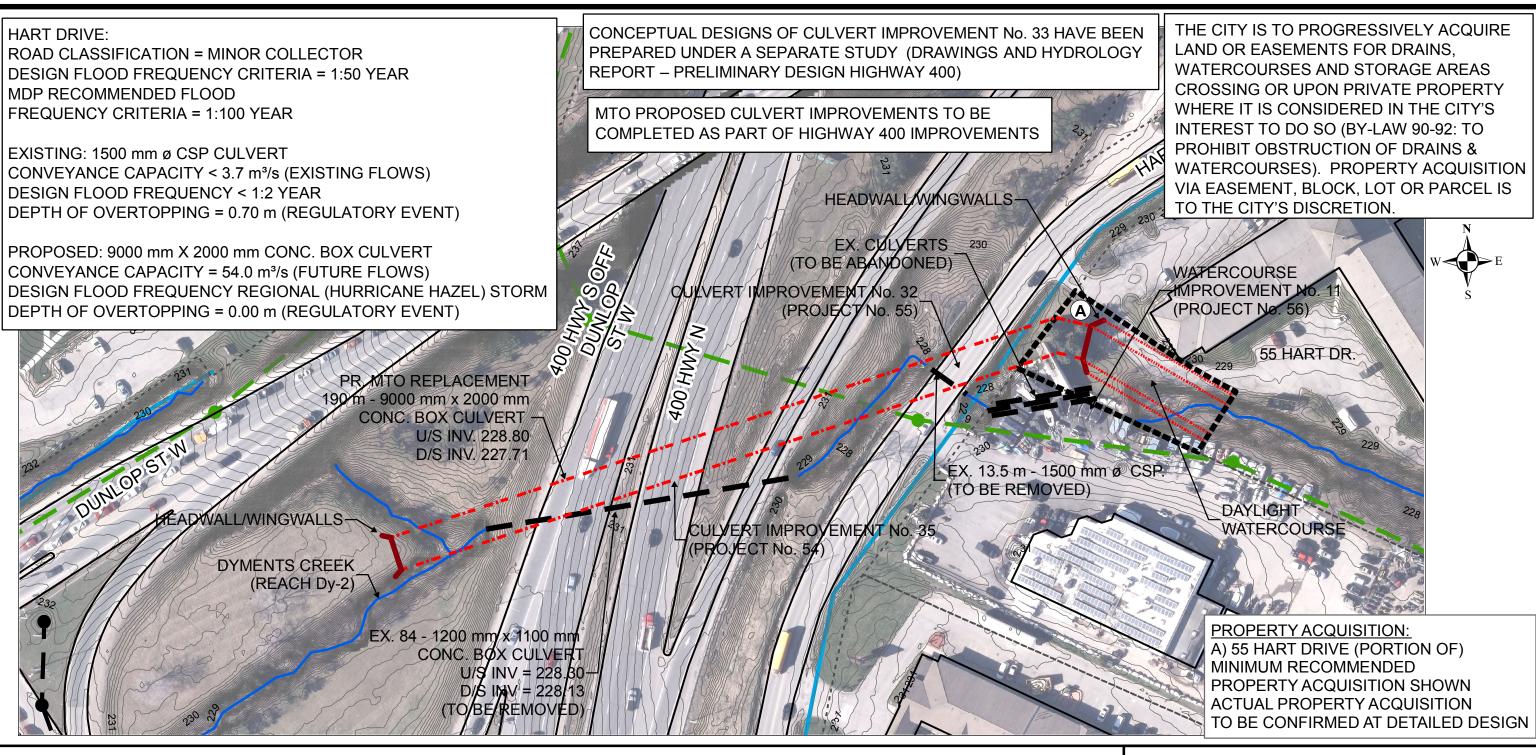
DEPTH OF OVERTOPPING = 0.44 m (REGULATORY EVENT)

PROPOSED CULVERT SIZE TO BE REVIEWED AT DETAILED

DESIGN TO REDUCE DEPTH OF OVERTOPPING

PROJECT No. 52
CULVERT IMPROVEMENT No. 30
(SARJENT DR.)
DYMENTS CREEK WATERSHED

SCALE = 1:1,000







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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

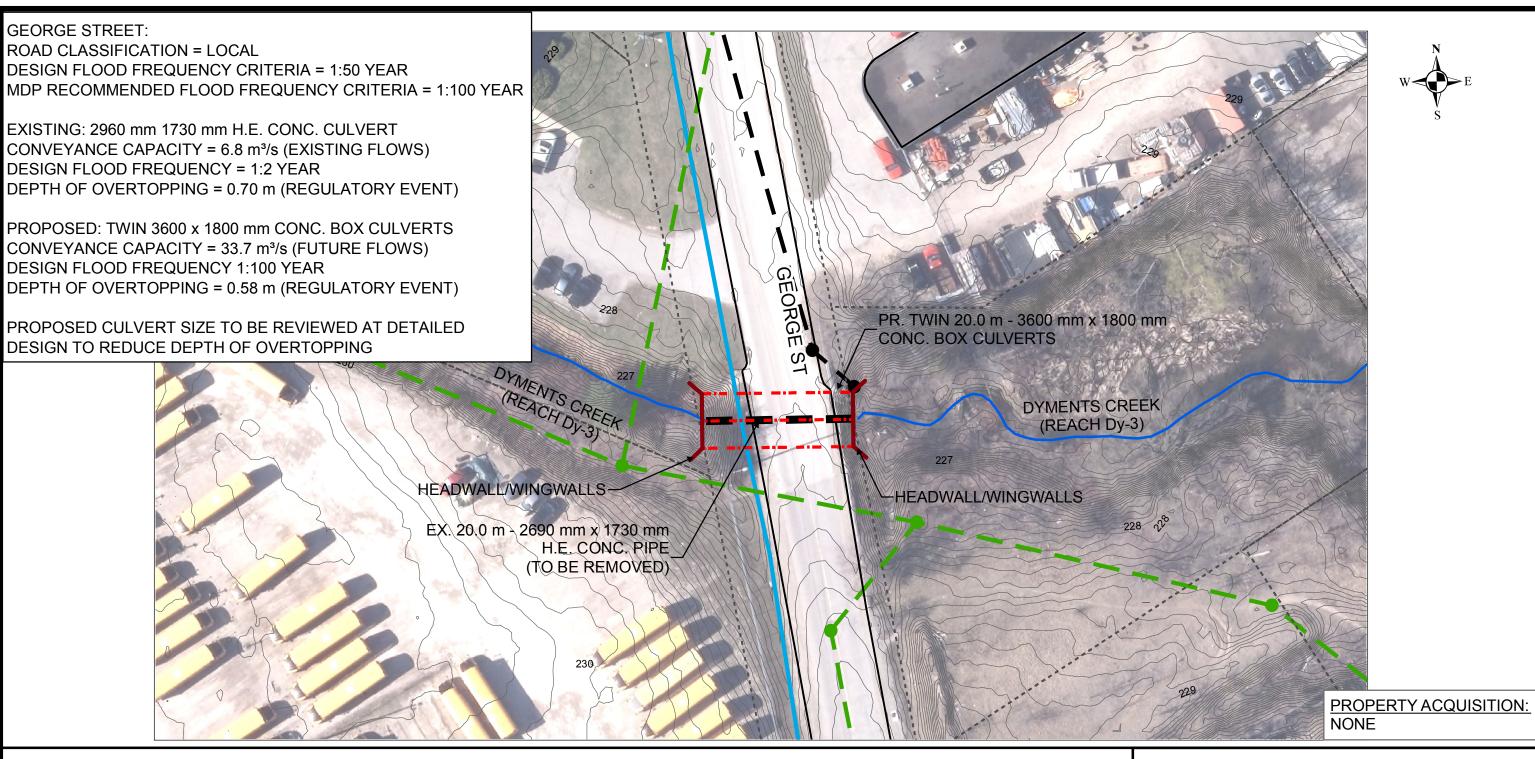
EX. PROPERTY LINE

PROPERTY ACQUISITION

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 54, 55 & 56 CULVERT IMPROVEMENT No. 32 & 33 & WATERCOURSE IMPROVEMENT No. 11 DYMENTS CREEK WATERSHED

SCALE = 1:1,000







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LEGEND

- --- PR. CULVERT
 - PR. STORM SEWER
- PR STORM MAINTENANCE HOLE
- EX. STORM SEWER
- EX. STORM MAINTENANCE HOLE
- ---- WATERCOURSE

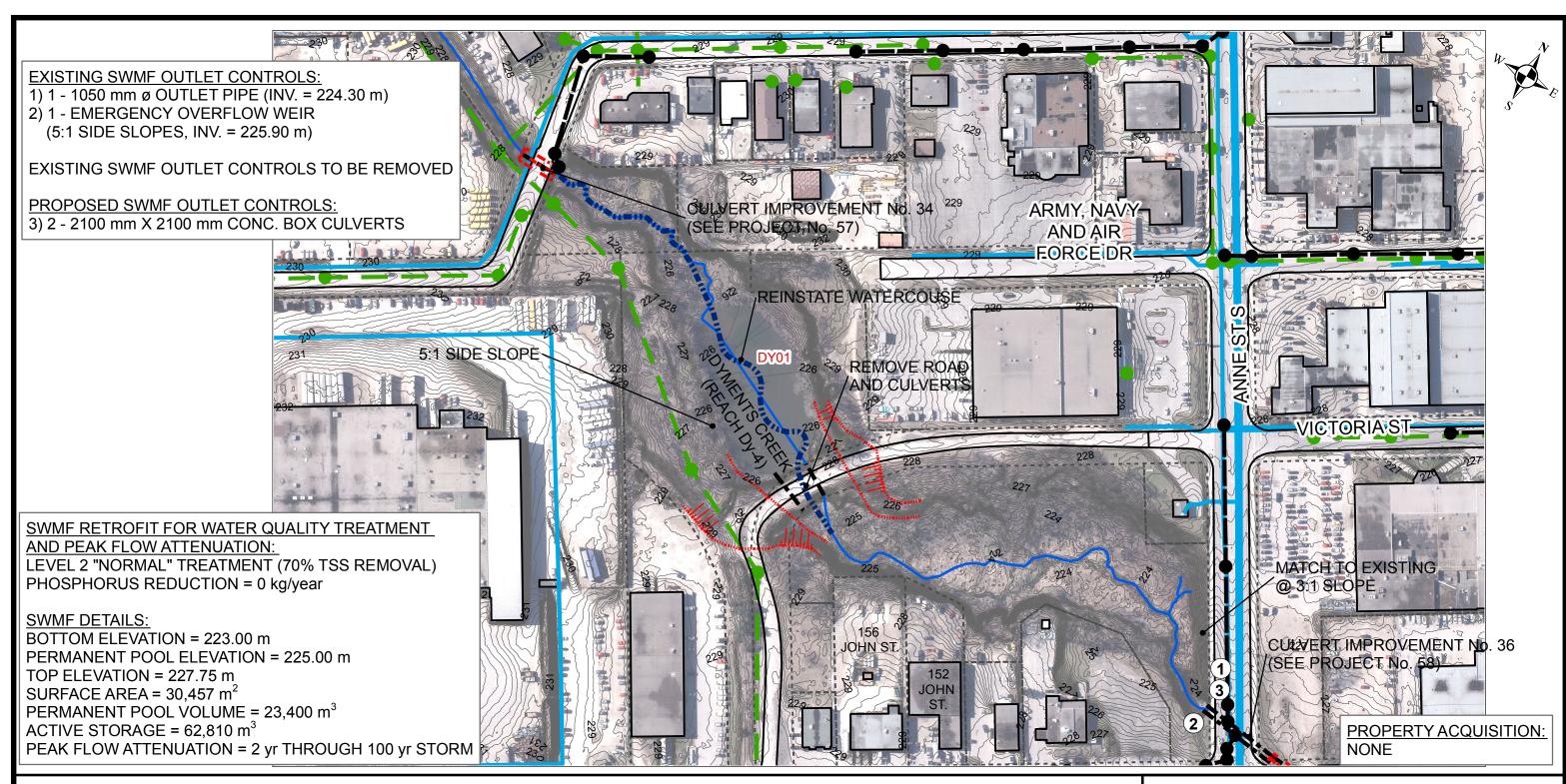
- EX. SANITARY SEWER
- EX. SANITARY MAINTENANCE HOLE
- EX. WATERMAIN
- EX. CULVERT
 - EX. PROPERTY LINE

PROPERTY ACQUISITION

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 57 CULVERT IMPROVEMENT No. 34 (GEORGE ST.) DYMENTS CREEK WATERSHED

SCALE = 1:500







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LEGEND

PR STORM MAINTENANCE

PR. STORM SEWER

EX. SANITARY SEWER

EX. SANITARY MAINTENANCE HOLE



PR. LID

PR. WATERCOURSE



EX. STORM MAINTENANCE
HOLF

EX. STORM SEWER

EX. WATERCOURSE

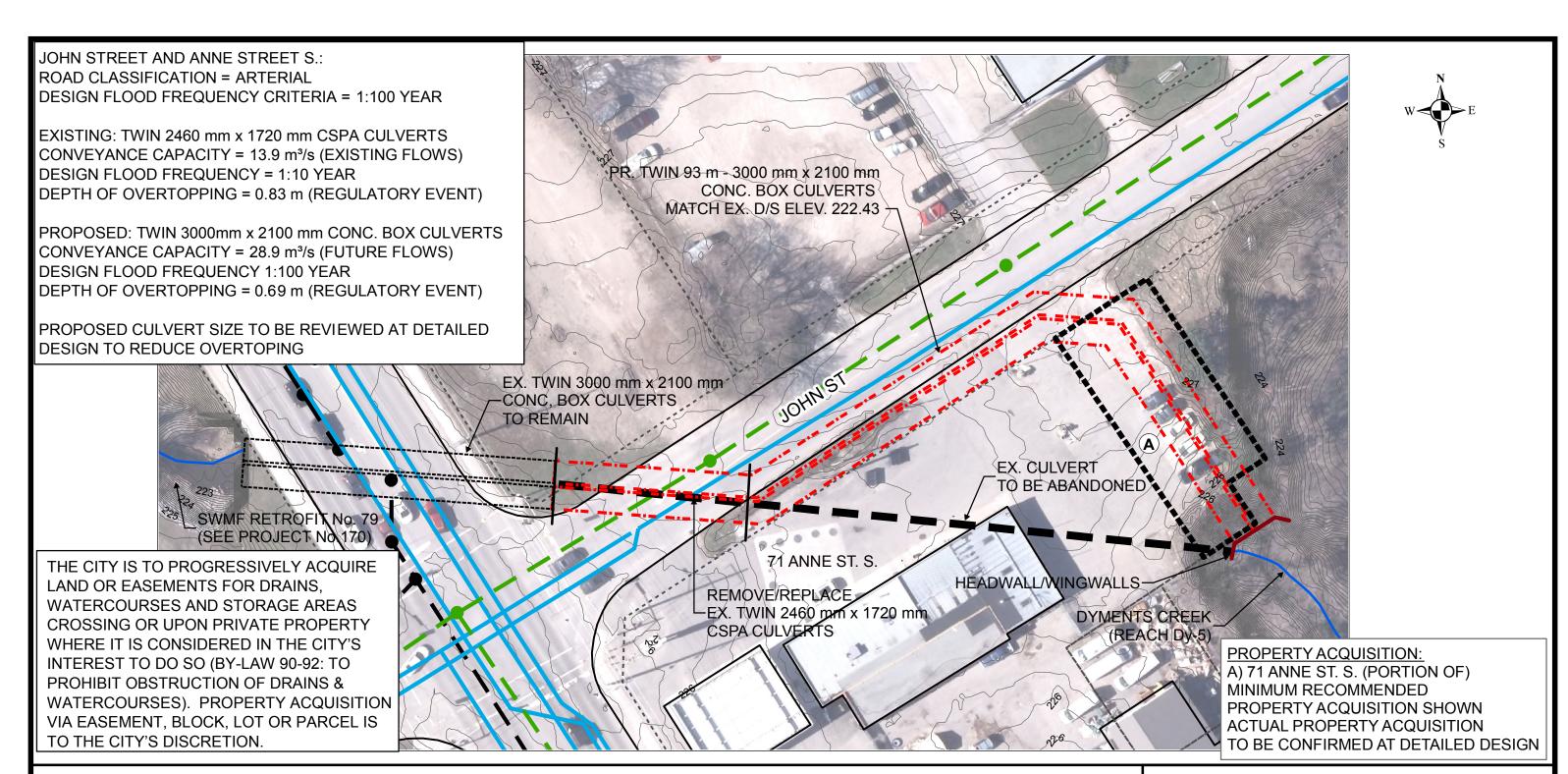
EX. PROPERTY LINE

PROPERTY ACQUISITION

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 169 & 170 CULVERT IMPROVEMENT 35 & SWMF RETROFIT No. 79 (DY01) DYMENTS CREEK WATERSHED

SCALE = 1:2,000







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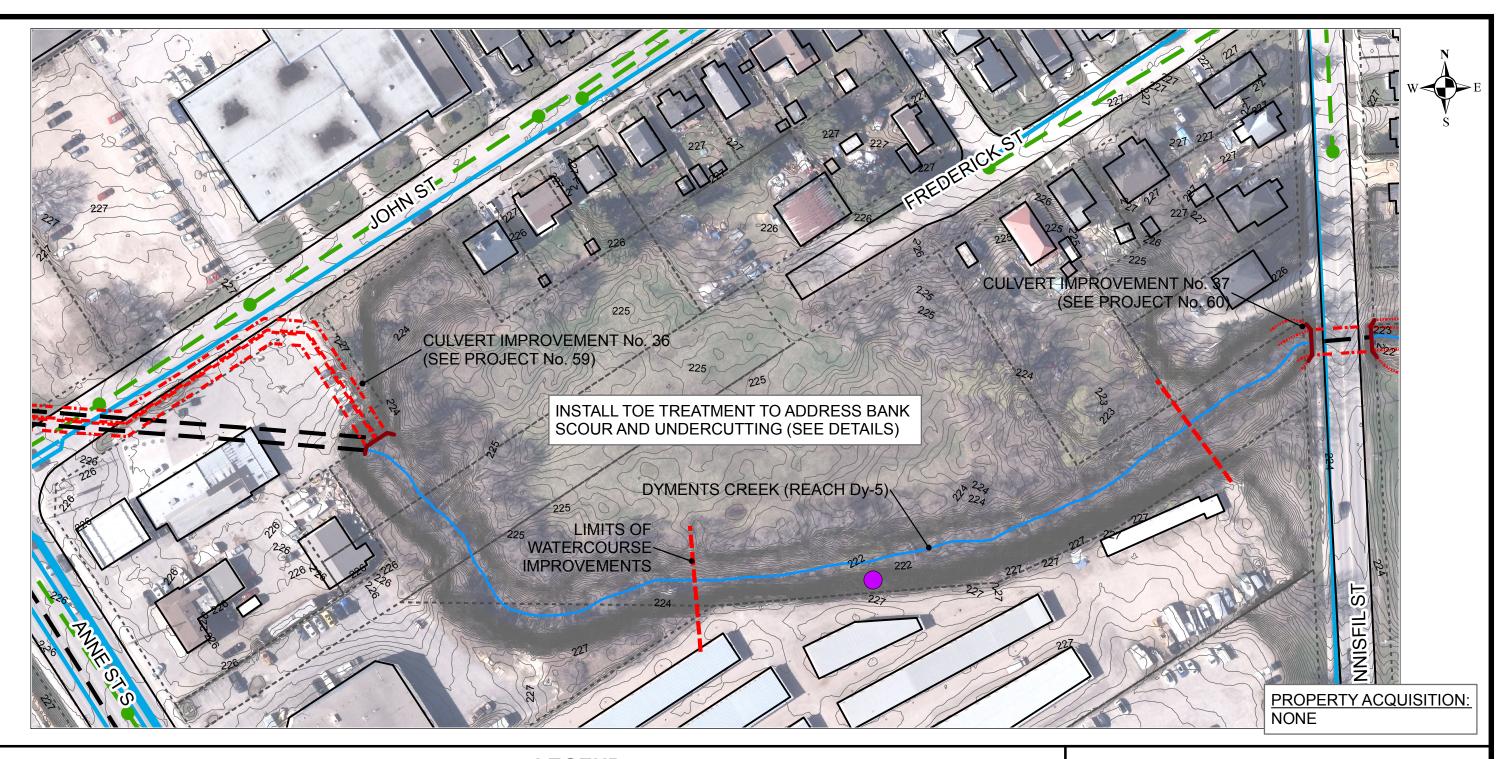
LEGEND

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. 58
CULVERT IMPROVEMENT No. 36
(ANNE ST. S. & JOHN ST.)
DYMENTS CREEK WATERSHED

SCALE = 1:500



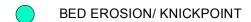




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LEGEND

BANK EROSION



- 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

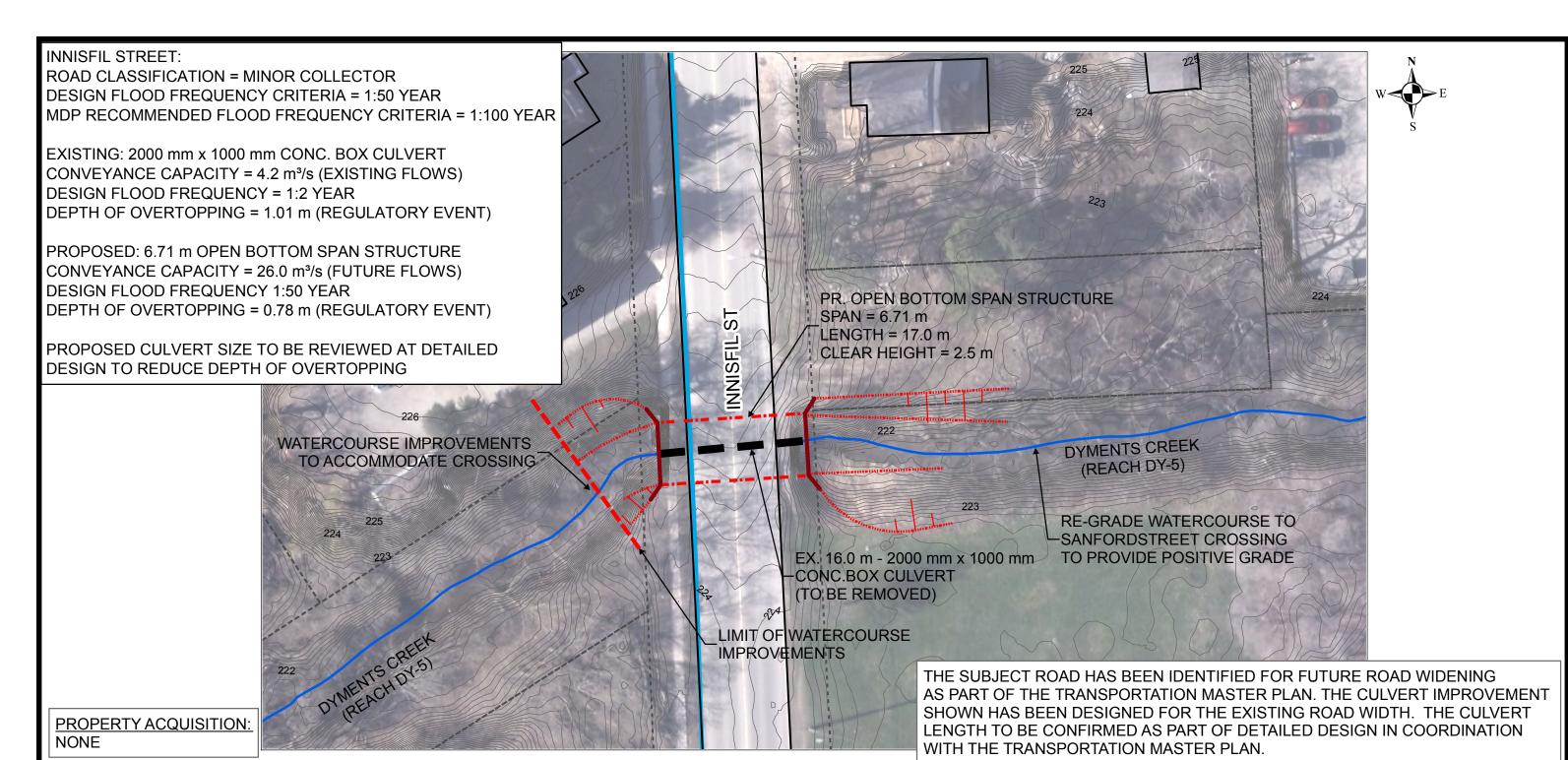
EX. PROPERTY LINE

PROPERTY ACQUISITION

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No.59
WATERCOURSE IMPROVEMENT No. 12
DYMENTS CREEK WATERSHED

SCALE = 1:1,000







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LEGEND

WATERCOURSE

PR. CULVERT

PR. STORM SEWER

PR STORM MAINTENANCE
HOLE

EX. SANITARY MAINTENANCE
HOLE

EX. WATERMAIN

EX. CULVERT

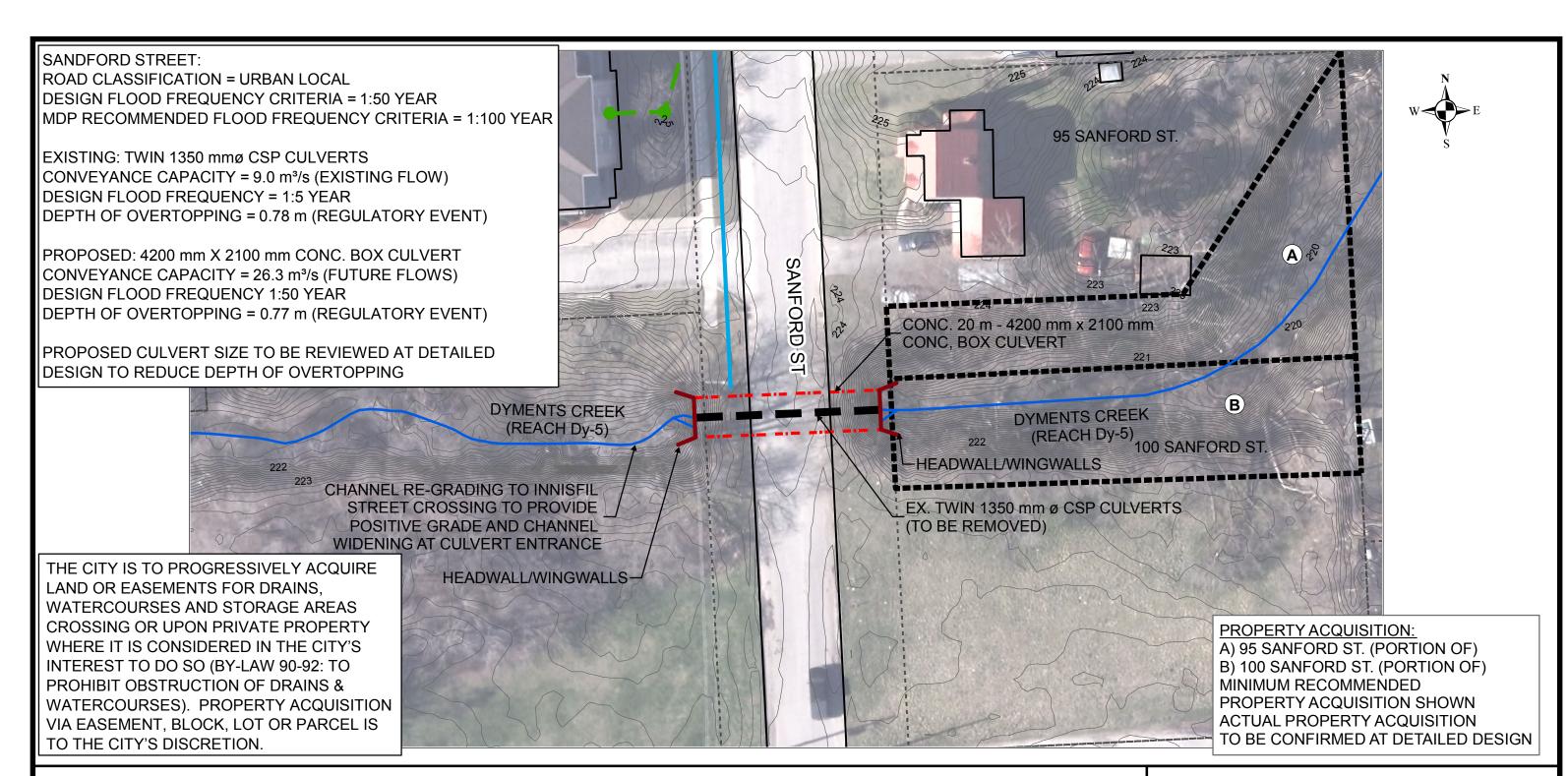
EX. STORM MAINTENANCE
HOLE

PROPERTY ACQUISITION

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 60
CULVERT IMPROVEMENT No. 37
(INNISFIL STREET)
DYMENTS CREEK WATERSHED

SCALE = 1:400







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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

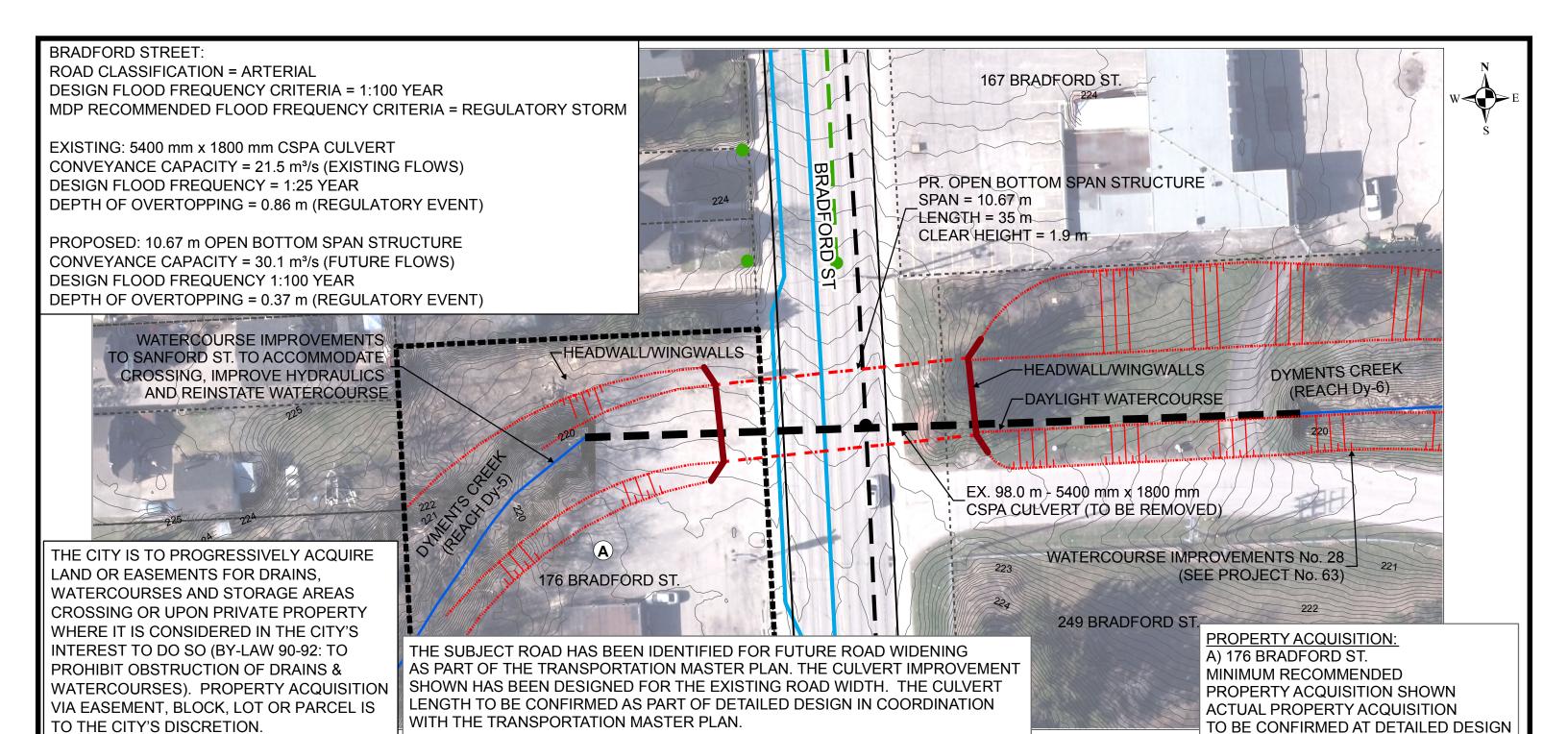
EX. PROPERTY LINE

PROPERTY ACQUISITION

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 61
CULVERT IMPROVEMENT No. 38
(SANFORD ST.)
DYMENTS CREEK WATERSHED

SCALE = 1:400







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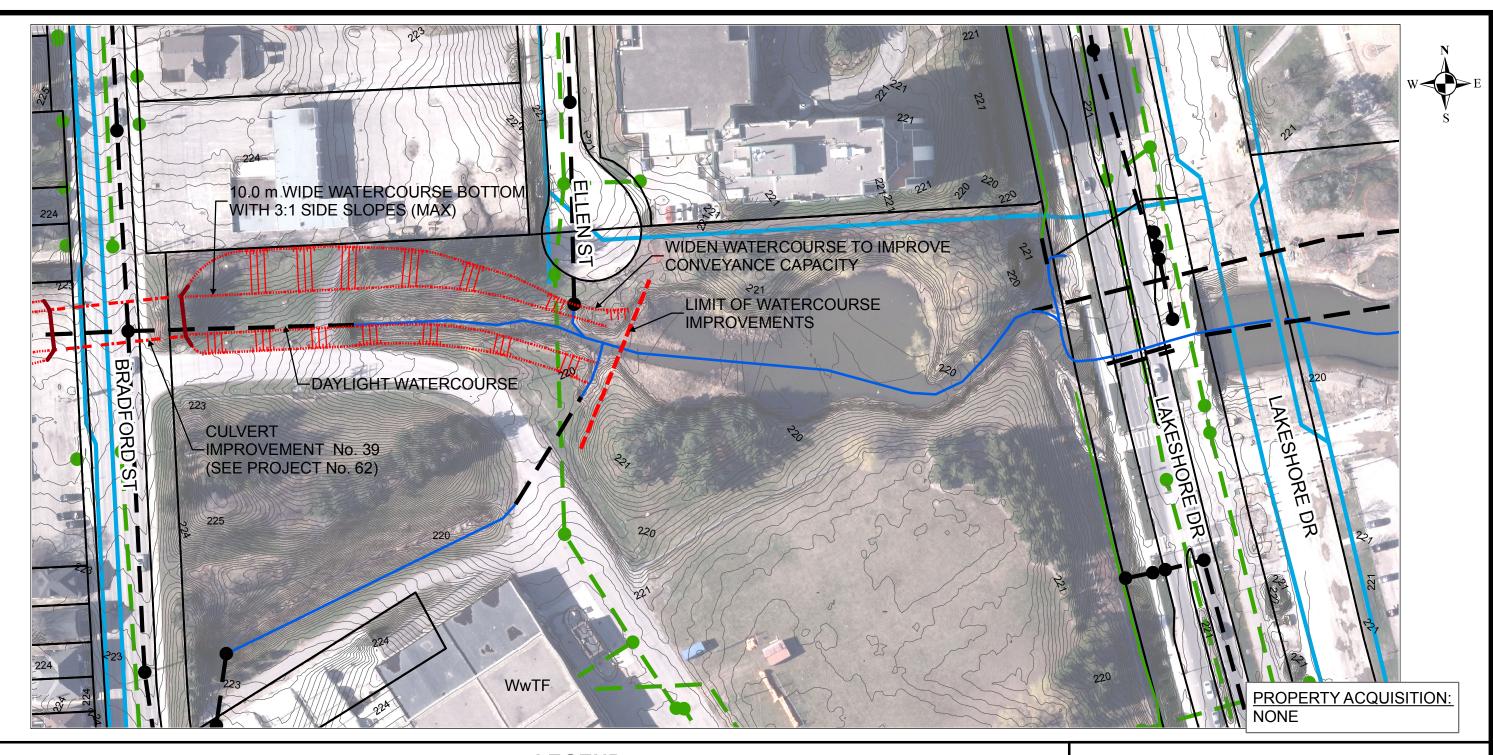
LEGEND

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

DRAINAGE MASTER PLAN FINAL PREFERRED ALTERNATIVE SOLUTION

PROJECT No. 62
CULVERT IMPROVEMENT No. 39
(BRADFORD STREET)
DYMENTS 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. 63 WATERCOURSE IMPROVEMENT No. 28 DYMENTS CREEK WATERSHED

SCALE = 1:1,000