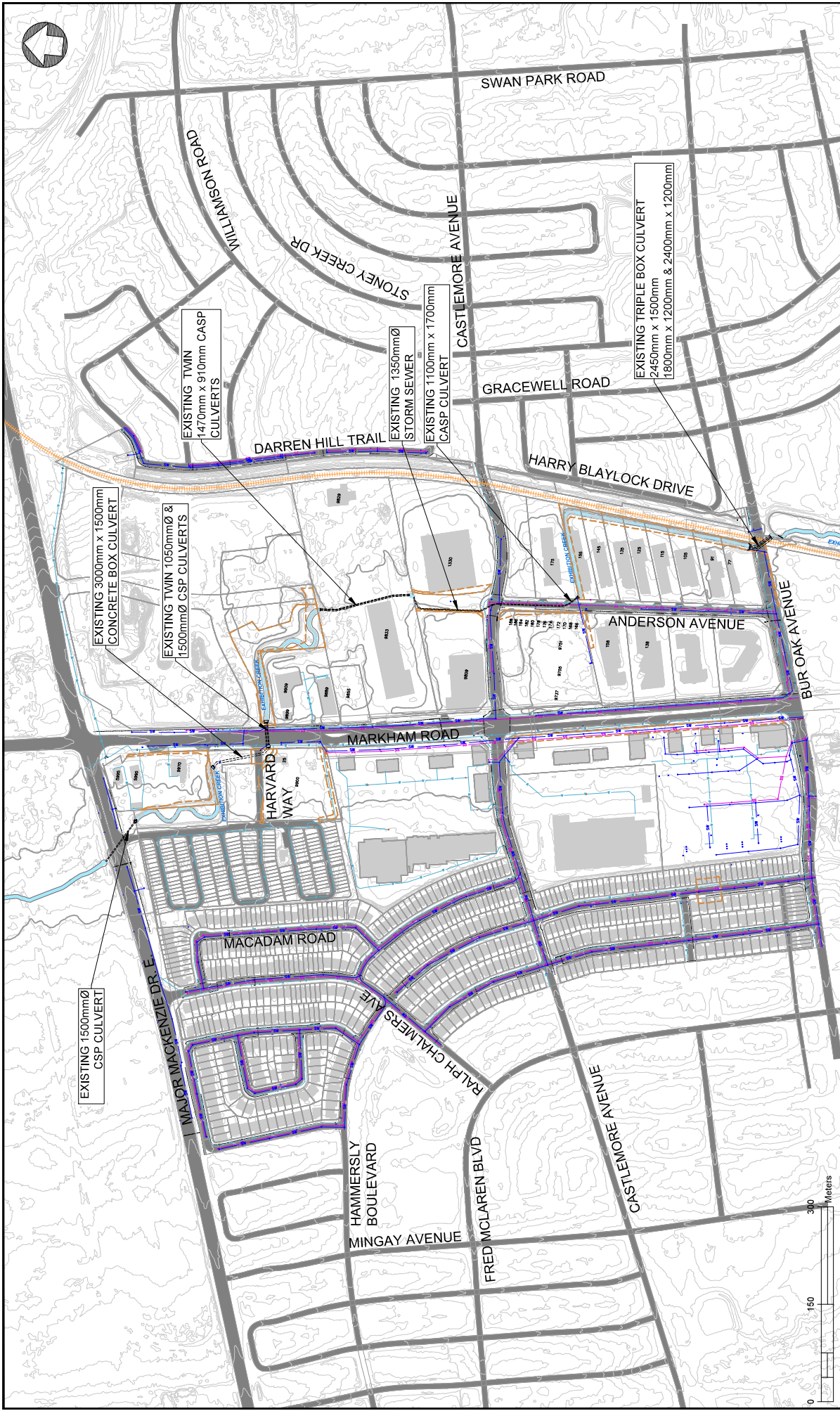


APPENDIX E: ALTERNATIVES DESIGN DRAWINGS



EA STUDY FOR MOUNT JOY CREEK FLOOD MITIGATION

ALTERNATIVE 1 - DO NOTHING - EXISTING CONDITIONS

DATE: 01/04/2025

SCALE: 1:2500

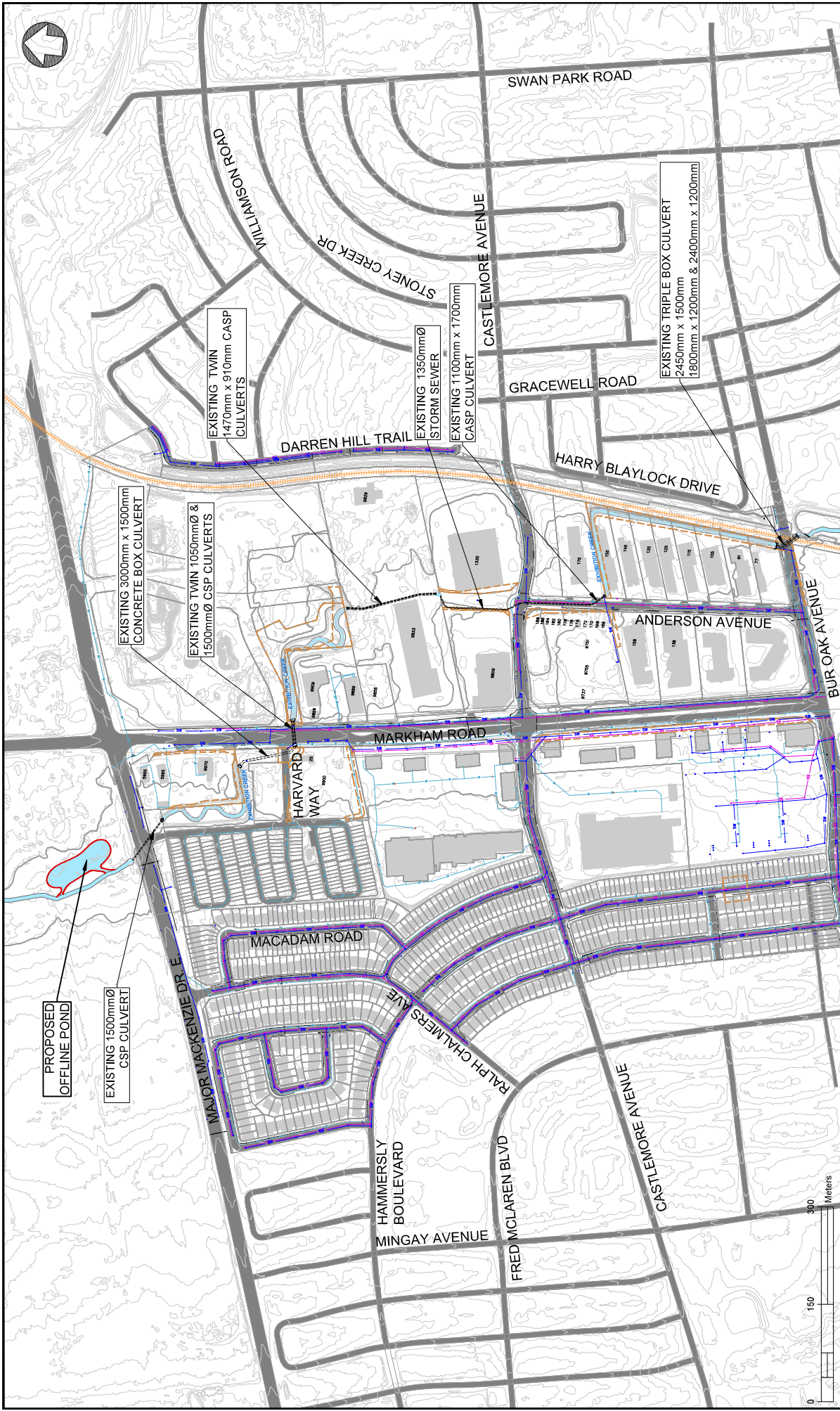
FIGURE 1

LEGEND:

- WATERCOURSE
- SANITARY SEWER
- STORM SEWER
- WATERMAIN
- PROPERTY LINE
- CITY EASEMENT
- TRCA FLOODLINE
- PAV. LINE
- CONCRETE HEADWALL

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EA STUDY FOR MOUNT JOY CREEK FLOOD MITIGATION

ALTERNATIVE 2 - STORMWATER REDUCTION POND

FIGURE 2

DATE: 01/04/2025

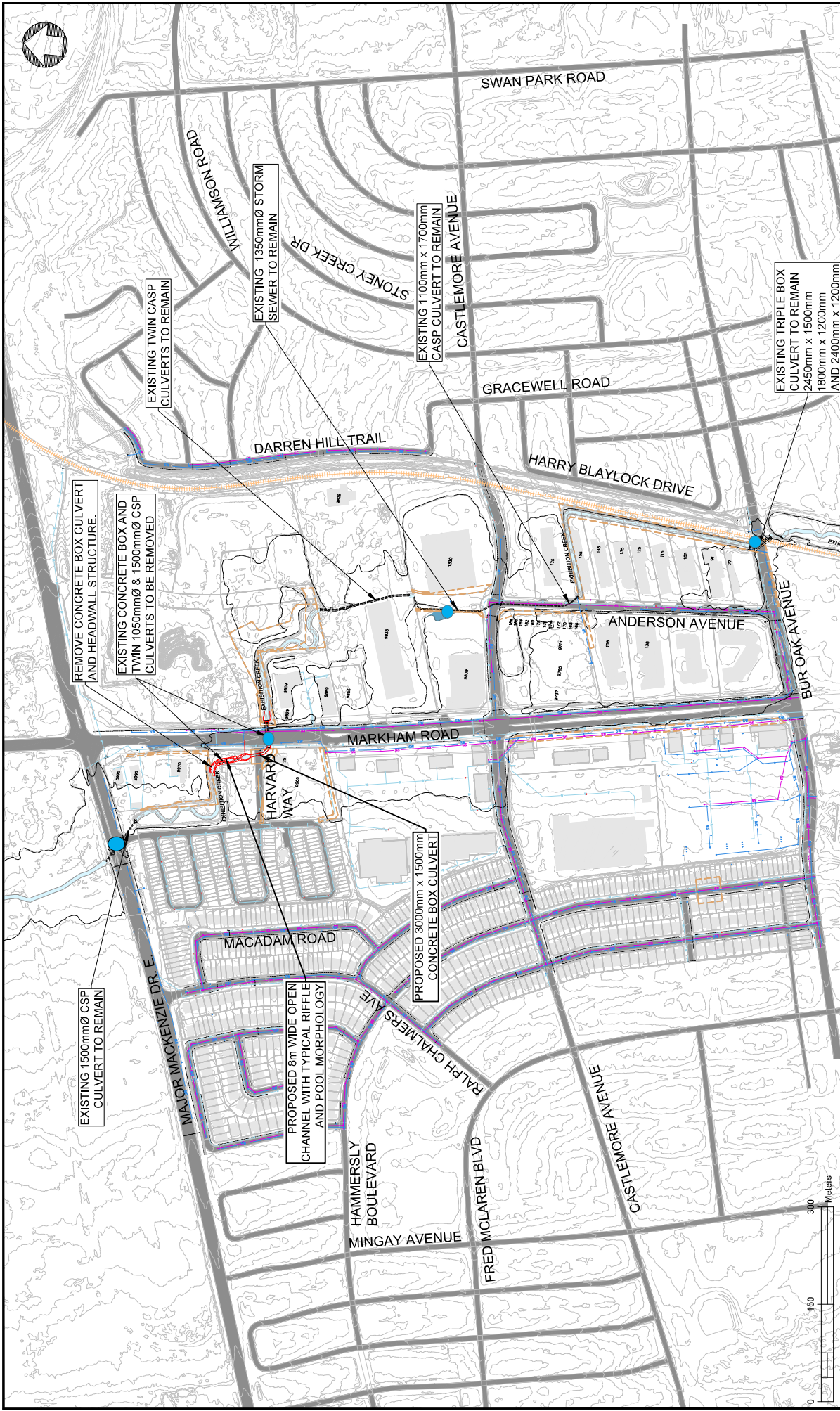
SCALE: 1:2500

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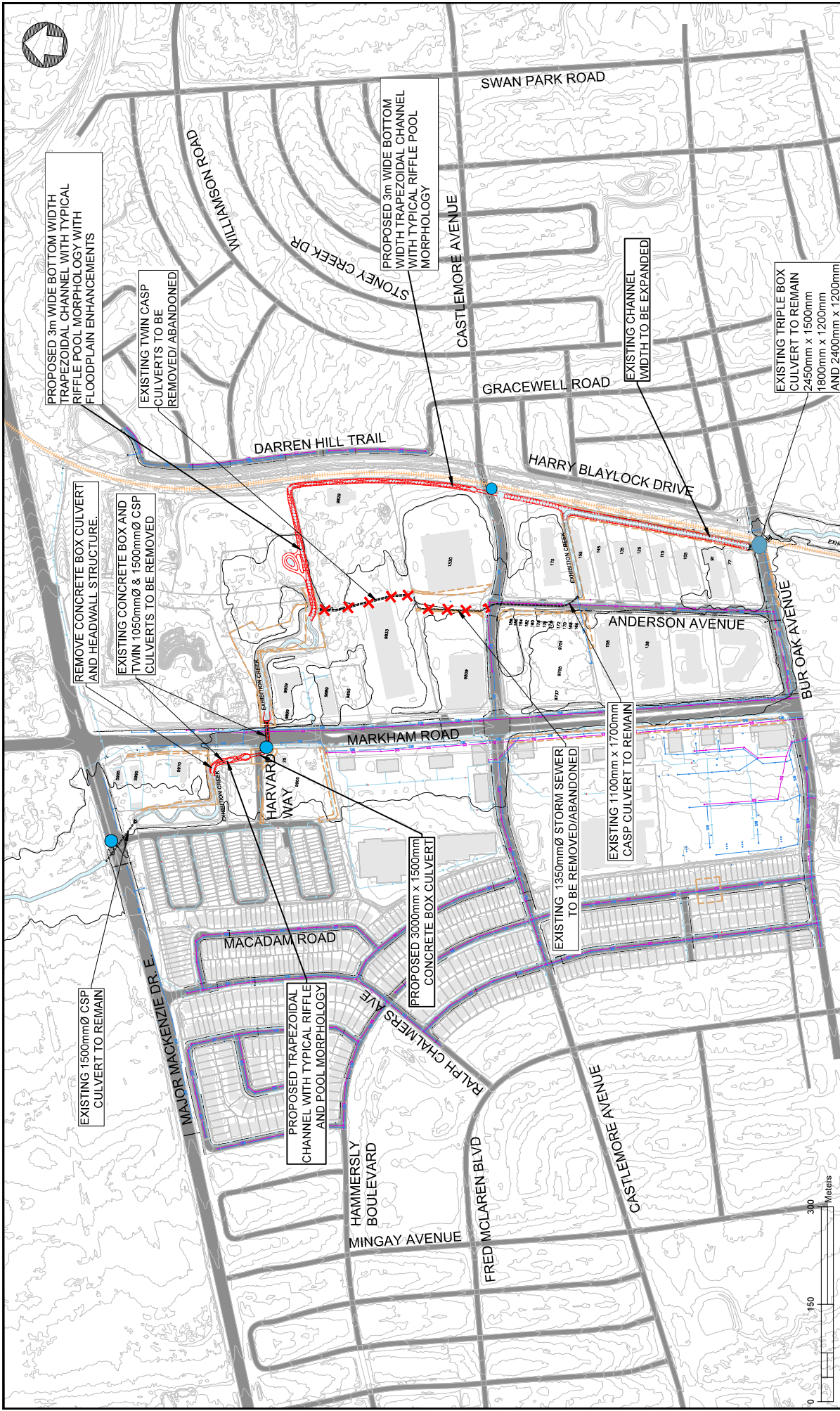
LEGEND:

- WATERCOURSE
- SANITARY SEWER
- STORM SEWER
- WATERMAIN
- PROPERTY LINE
- CITY EASEMENT
- TICA FLOODLINE
- PAV. LINE
- CONCRETE HEADWALL



EA STUDY FOR MOUNT JOY CREEK FLOOD MITIGATION
ALTERNATIVE 3 - UPSTREAM ONLY IMPROVEMENTS

DATE: 01/04/2025 SCALE: 1:2500



EA STUDY FOR MOUNT JOY CREEK FLOOD MITIGATION

ALTERNATIVE 4 - OPEN CHANNEL REALIGNMENT

DATE: 01/04/2025

SCALE: 1:2500

FIGURE 4

LEGEND:

- WATERCOURSE
- SANITARY SEWER
- STORM SEWER
- PROPERTY LINE
- CITY EASEMENT
- TRICA FLOODLINE
- PAV. LINE
- CONCRETE HEADWALL
- WATERMAIN

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EA STUDY FOR MOUNT JOY CREEK FLOOD MITIGATION

ALTERNATIVE 5 - UPSTREAM IMPROVEMENTS & CULVERT ENLARGEMENT

DATE: 01/04/2025

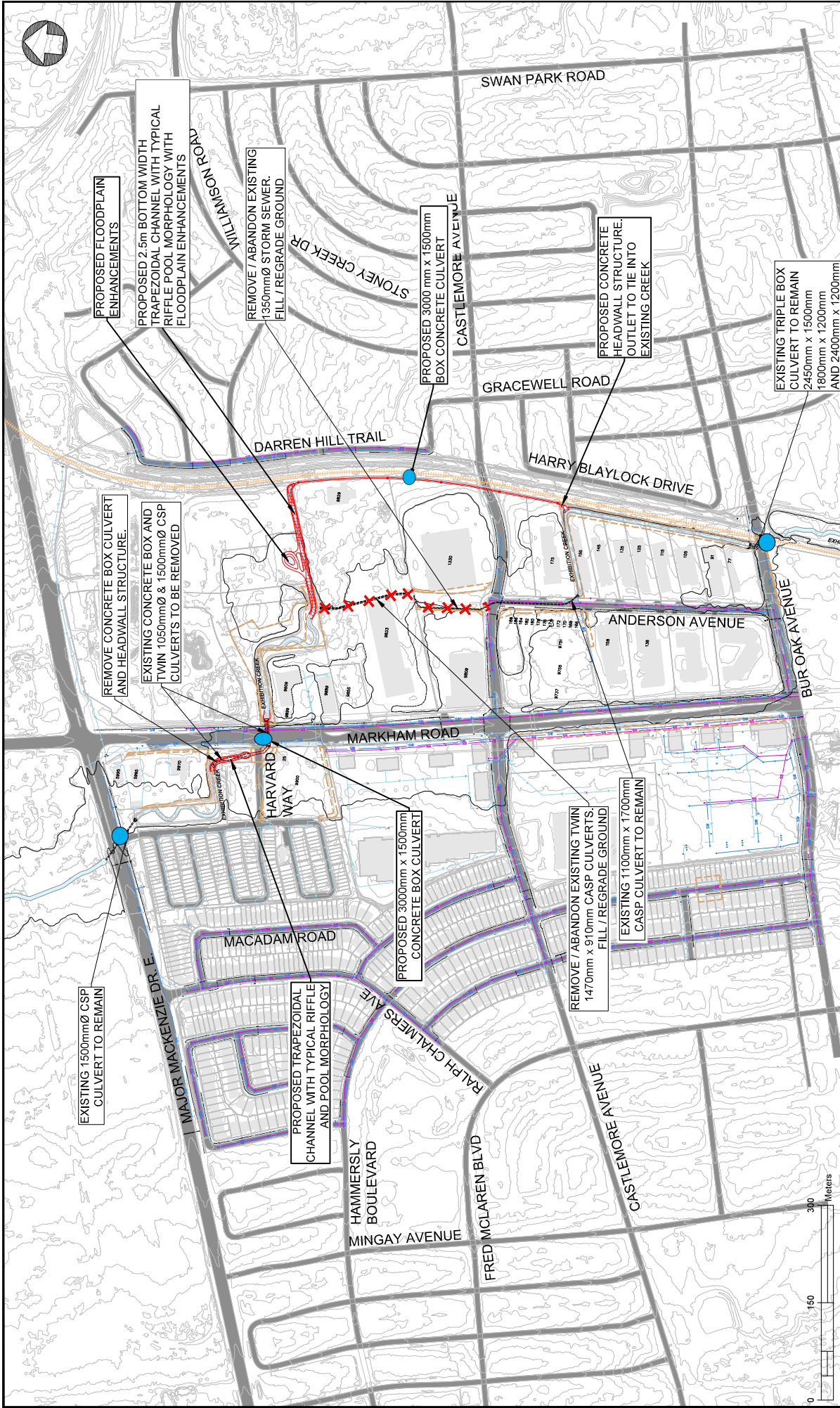
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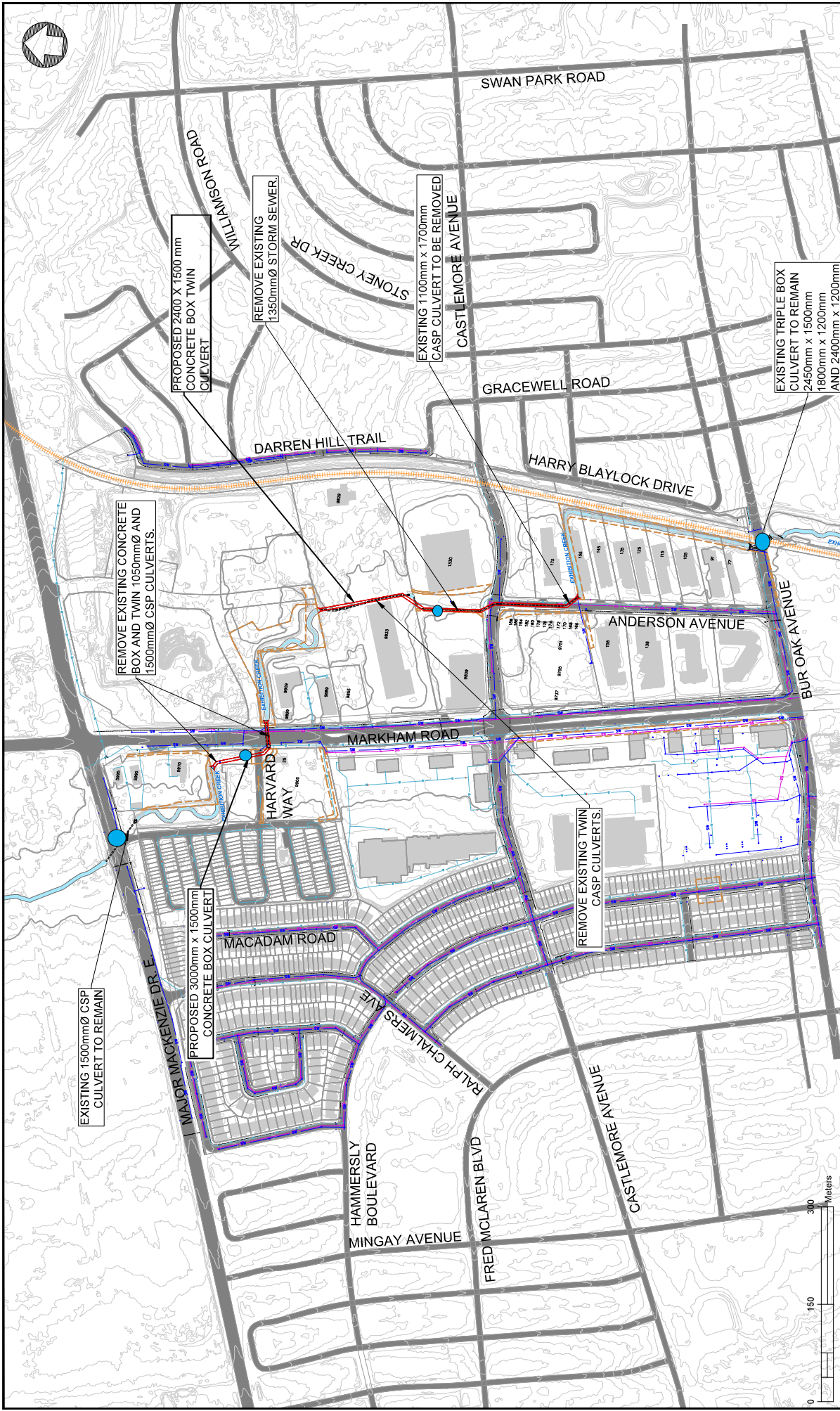
- WATERCOURSE
- SANITARY SEWER
- STORMWATER
- FLOOD LINE
- CONCRETE HEADWALL
- PROPERTY LINE
- CITY EASEMENT

SCALE: 1:2500

CITY OF MARKHAM

FIGURE 5





EA STUDY FOR MOUNT JOY CREEK FLOOD MITIGATION

ALTERNATIVE 7 - CULVERT ENLARGEMENT

DATE: 01/04/2025

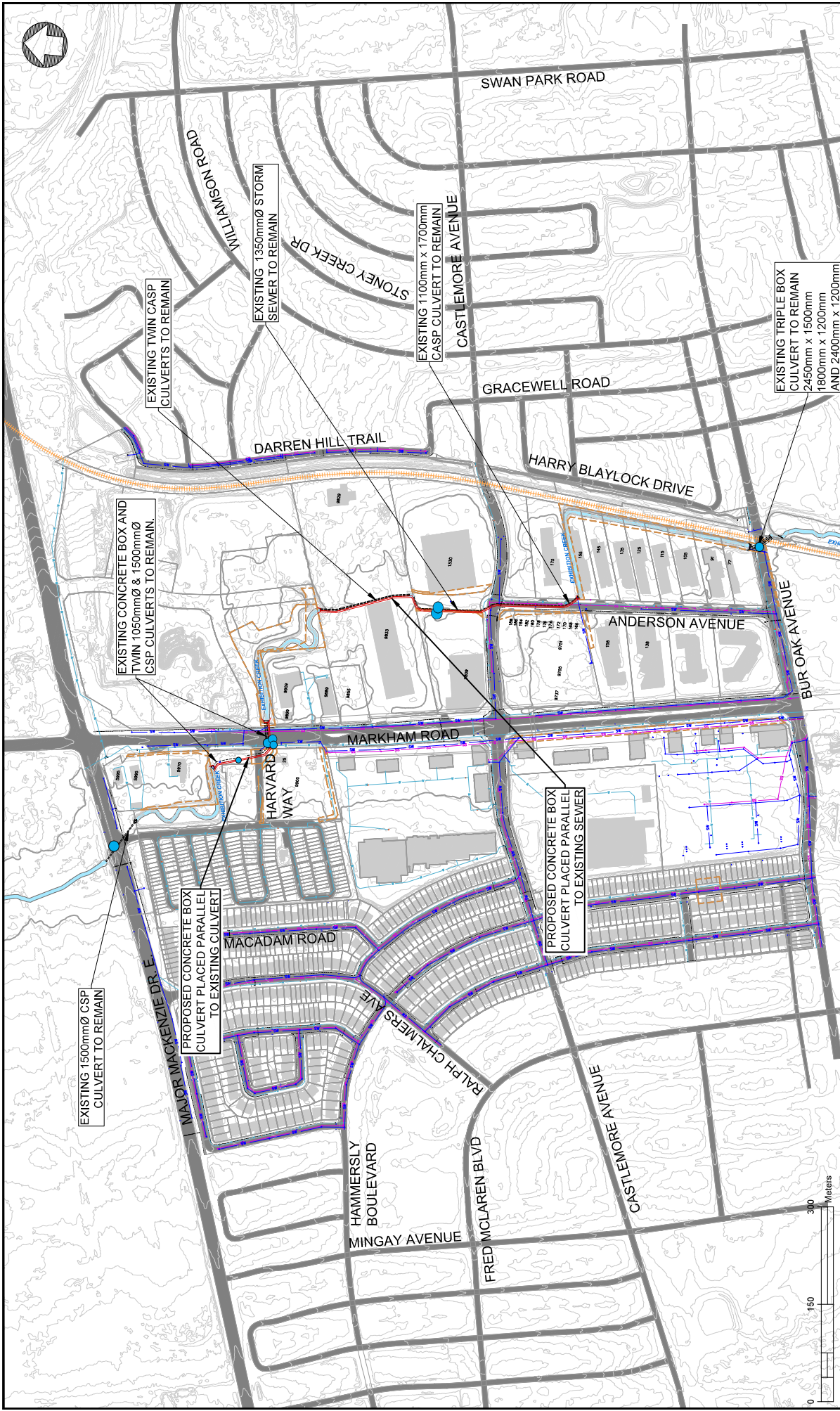
SCALE: 1:2500

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LEGEND:

- WATERCOURSE
- SANITARY SEWER
- WATER MAIN
- PROPERTY LINE
- CITY EASEMENT
- TICA FLOODLINE
- PAV. LINE
- CONCRETE HEADWALL
- WATER MAIN
- PROPERTY LINE
- CITY EASEMENT



EA STUDY FOR MOUNT JOY CREEK FLOOD MITIGATION

ALTERNATIVE 8 - ADDITIONAL PARALLEL CULVERTS

DATE: 01/04/2025

SCALE: 1:2500

FIGURE 8

LEGEND:

- WATERCOURSE
- SANITARY SEWER
- STORM SEWER
- WATERMAIN
- PROPERTY LINE
- CITY EASEMENT
- TICA FLOODLINE
- PAV. LINE
- CONCRETE HEADWALL

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