



Legend:

- SUBJECT LANDS
- SUBJECT LANDS EXISTING CONTOUR ELEVATION
- EXISTING OVERLAND FLOW DIRECTION
- EXISTING WETLAND
- EXISTING WOODLAND
- EXISTING POND
- NHS BUFFER
- PROPOSED OVERLAND FLOW DIRECTION
- UNDERGROUND STORAGE TANK OR STONE INFILTRATION TRENCH
- CONTRIBUTING DRAINAGE AREA TO NORTH SWM FACILITY (BLOCK 29) (AREA: 7.35Ha, IMP: 44%)
- CONTRIBUTING DRAINAGE AREA TO EAST SWM FACILITY (BLOCK 31) (AREA: 0.38Ha, IMP: 79%)
- UNCONTROLLED DRAINAGE AREA DISCHARGE TO WATERCOURSE (AREA: 1.92Ha, IMP: 31%)
- CONTRIBUTING DRAINAGE AREA TO EAST SWM FACILITY (BLOCK 31) VIA ROOF DRAINAGE COLLECTOR (AREA: 0.96Ha, IMP: 100%)
- CONTRIBUTING DRAINAGE AREA TO UNDERGROUND TANK (BLOCK 29) VIA ROOF DRAINAGE COLLECTOR (AREA: 3.95Ha, IMP: 100%)

NOTES:

1. 8th LINE TO BE URBANIZED BY EMPIRE AND MATTAMY TO THE TOWN'S SATISFACTION. FURTHER COORDINATION WITH THE TOWN IS NEEDED TO ESTABLISH LIMITS OF URBANIZATION BASED ON THE HOLDOUT PROPERTIES ALONG THE 8th LINE FRONTAGE.
2. PROPOSED SWM FACILITIES WITHIN THE EMPIRE AND MATTAMY DEVELOPMENTS TO CAPTURE GRAVITY 8th LINE STORM OUTLETS ALONG BOTH PROPERTY FRONTAGES. EACH DEVELOPMENT TO CAPTURE HALF OF THE URBANIZED ROW CROSS SECTION.
3. EMPIRE'S 8th LINE FRONTAGE NORTH OF STREET A INTERSECTION CANNOT BE CAPTURED IN THE PROPOSED SWM FACILITY DUE TO GRADING CONSTRAINTS. THIS SECTION OF 8th LINE ROW WILL BE DISCHARGED TO THE EXISTING CREEK IN THE VICINITY OF EXISTING BRIDGE STRUCTURE. FURTHER DESIGN COORDINATION WITH THE TOWN IS REQUIRED.
4. MINOR SYSTEM DRAINAGE TO BE DIRECTED TO A DRY POND IN THE NORTH SWM POND BLOCK 29. ROOF DRAIN COLLECTORS TO BE CONNECTED TO THE INFILTRATION FACILITIES WITHIN SWM POND BLOCKS 29 AND 31 FOR GROUNDWATER RECHARGE.
5. REFER TO GRADING PLAN DWG 2.1 AND STORMWATER MANAGEMENT PLAN DWG 5.0 FOR MAJOR SYSTEM FLOW DIRECTION.
6. REFER TO DRAWINGS 5.1 AND 5.2 FOR DETAILS OF PROPOSED SWM FACILITIES.
7. REFER TO FSR DRAWINGS BY DSEL FOR DETAILS OF THE PROPOSED MATTAMY DEVELOPMENT.
8. ROOF AREA ASSUMED TO BE 69% OF THE LOT AREA.



**Functional Servicing Report
5525 8th Line
(Empire- Erin, Wellington)**

STORMWATER MANAGEMENT PLAN

PROJECT No.:	DATE:	SCALE:	DRAWING NO.:
21-684	Mar. 2022	1:1500	4.0

