Upper Aquifer Interceptor and Infiltration System (Conceptual) Water Management System and Extraction Phases (CGVD2013) Fig QSP 5 Upper Aquifer Ground Water Contours - 'B1' Monitors Minimum Water Levels from 2008 to 2023 Basin **DRAFT** (Pine River) Phases include Lifts 1, 2 and 3 (varies) 489 I - Stepped Benches Implementation Trigger - Excess Quantity and Adverse Quality Flow into Lift 1 Upper Aquifer Infiltration Bed Protected from surface runoffSurface Inverse Granular Fill - Non-contact water Phasing Blast Fractured or I - Crushed Rock Fill Existing Upper Aquifer flow through unconstrained (Phase 1, 2 and 3) filtration Bed Specifications ES 490 m asl Invert 482 m asl Width 20 m Length as required Trigger for Release - Performance Quantity and **Quality Criteria** - Infiltration Bed Inflow - East Site Boundary - 3rd Line Sentry Wells - Sediment Free Surface Dairy Farm Infiltration Basin (Pine River) Trigger for Release 494.5 I Performance Quality Criteria Quarry Sump (Contact Water) Discharge to Upper Aquifer Infiltration Bed Pathogen Treatment - Pumped to Storage and Treatment as required Phase 1 may be into temporary oond in not extracted Quarry footprint Riparian Wetland - Discharge to Riparian Wetland (constructed) Treatment - Denitrification Storage Pond 494 I Monitor Well with Water Level - Washwater Make Up Pond Underground Stream 490.60 - Top Water Level 494 masl 490.13 LiDAR - Invert 491 m asl Strada Licence Pits Area (MHBC Planning Ltd) Proposed Infrastructure County Rd 17 Gravity Buried Watermain - invert elevations 49 - Solid (treated water) Direction of Extraction Manual Water Levels Summary Table, Hunter, July 9, 2024 Elevated surface May 25, 2023 Orthophoto: Dufferin County Invert Township Lot Fabric: LIO Geohub 200 400 Property of File Date: February 7, 2025 **HUNTER and ASSOCIATES** Scale: 1:7,500 @ 11x17" **METER**

Website: www.hunter-gis.com