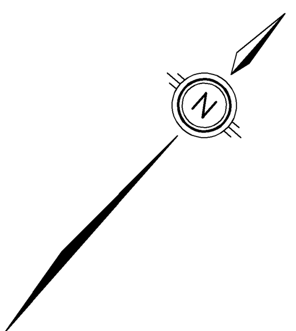
LEGEND OF EXISTING FEATURES

(line symbol)	SITE BOUNDARY
(yellow dots)	MVCA SHAPEFILE (APPROX. ONLY) – REGULATION LIMIT
(blue dashed)	MVCA SHAPEFILE (APPROX. ONLY) – 100 YEAR FLOODPLAIN
(green dashed)	PATERSON GROUP – TOP OF SLOPE
(red dashed)	PATERSON GROUP – LIMIT OF HAZARD LANDS
(light blue)	MVCA CROSS SECTION MAP PDF (APPROX. ONLY) –STREAM
326.00	EXISTING CONTOURS
Ex. 300mmø SAN, Ex. MH	EXISTING SANITARY SEWER
Ex. 200mmø WTM, Ex. HYD. SET	EXISTING WATERMAIN
Ex. 375mmø STM, Ex. MH	EXISTING STORM SEWER
—x—x—x—	EXISTING FENCE

LEGEND OF PROPOSED FEATURES

(326.00)	PROPOSED SPOT ELEVATIONS EX =MAINTAIN EXISTING
1.0%	DIRECTION OF DRAINAGE/SWALE
(dashed line)	DRAINAGE SPLIT (RIDGE)
(TOP) 3:1 (BOTTOM)	EMBANKMENT (SLOPE AS NOTED)
	SEDIMENT CONTROL FENCE (SEE DETAIL)
	SEDIMENT CONTROL FABRIC ON PAIGE WIRE FENCE (SEE DETAIL)
	SILT SACK (SEE DETAIL)
	CONSTRUCTION ACCESS (SEE DETAIL)
	FIBRE ROLL CHECK DAM (PER OPSD 219.191)
	RIP RAP (SIZE & TYPE AS NOTED)
	SHALLOW PIPE INSULATION (SEE DETAIL)
	SILTSOXX (SEE DETAIL)
	TREE PROTECTION FENCING



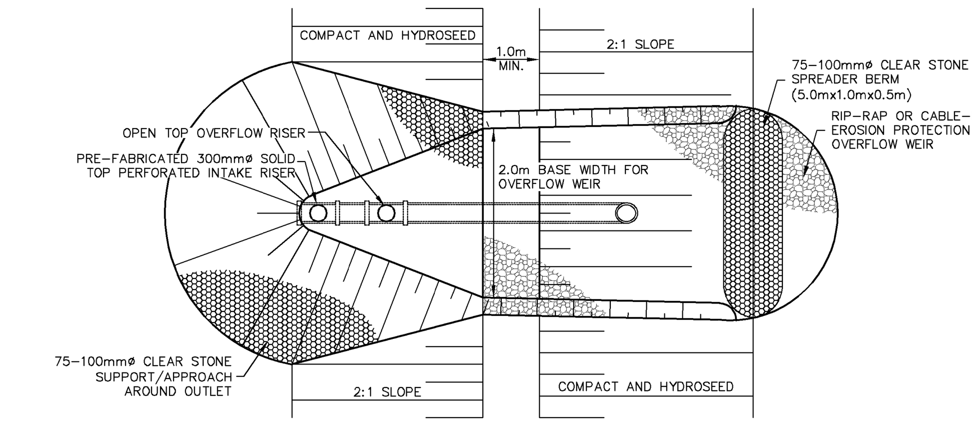
EROSION & SEDIMENT CONTROL
SEDIMENT BASIN SIZING & CONSTRUCTION INFORMATION

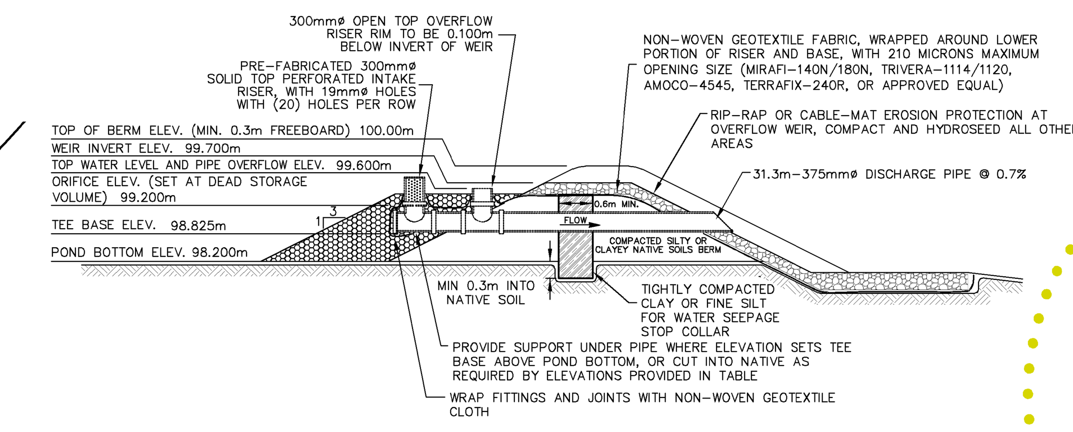
319 Huntmar Drive
Ottawa, Ontario

Date: September 14, 2026
Project Number: 65860_001
Design By: DXN

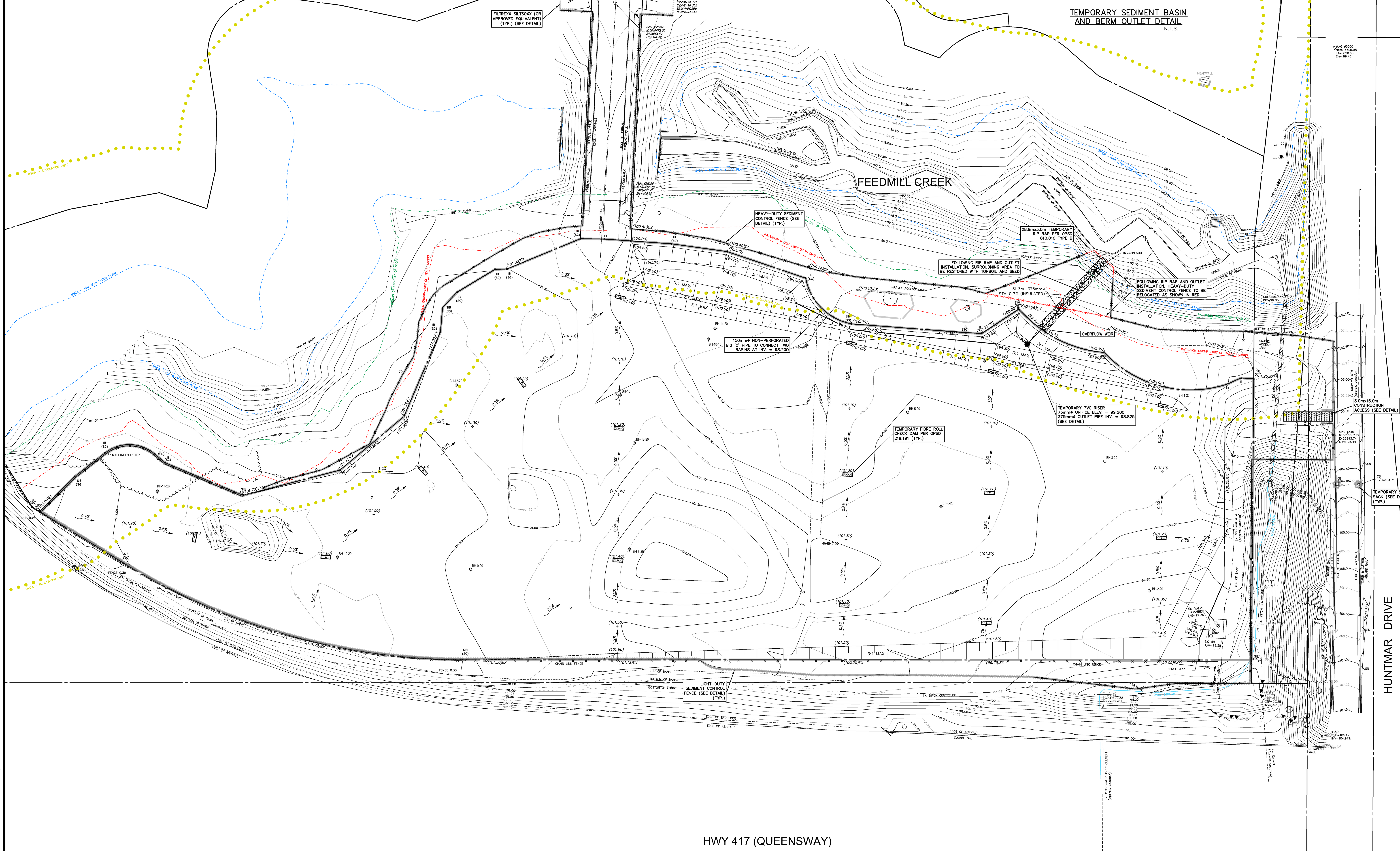
ID Tag	Basin Area	Sediment Basin Design Volume (1) Dead	Live	Total	Bottom Area	Bottom of Basin	Bottom Elevation	Tee Base Elevation	Orifice Plate Elevation	Orifice Plate Dead Volume	Top Water Level & Overflow Pipe Elevation	Total Volume	Weir Invert	Top Berm Elevation	Orifice Diameter	Maximum Orifice Flow	Live Storage Drawdown Time
	ha	m³	m³	m³	m²	flat/sloped	m	m	m	m³	m	m³	m	m	mm	m³/s	hrs
SB-1	3.233	404	404	808	273.1	flat	98.2	98.825	99.2	582	99.6	1,012	99.7	100.0	75	0.0074	34.4

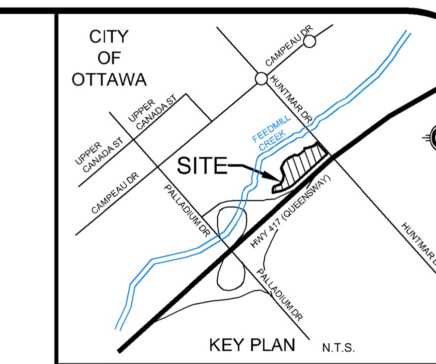
(1) Dead Storage is based upon minimum 125 m³ volume per ha drainage area; Live Storage is based upon minimum 125 m³ volume per ha drainage area.
(2) At the Top Water Level (TWL), the maximum design storage level for the Dead+Live runoff volume, an open-top overflow pipe will route excess runoff volume past the orifice control, prior to berm-weir outflow, which begins at 0.100m above the TWL. At up to 0.100m head on the 300mm diameter overflow, the maximum flow from the overflow pipe is about 0.070 m³/s; any excess volumes will then be routed through the berm overflow weir. Refer to Erosion & Sediment Control Detail drawings.





TEMPORARY SEDIMENT BASIN AND BERM OUTLET DETAIL
N.T.S.





GEODETIC BM ELEV. = m
REFER TO SURVEY COMPLETED BY STANTEC, DATED JANUARY 23, 2026

SITE BENCHMARK ELEV. = m
REFER TO ABOVE.

NOTE TO CONTRACTOR :

DO NOT SCALE DRAWINGS.

CONTRACTORS MUST CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED OR REUSED WITHOUT THE ENGINEER'S WRITTEN PERMISSION.

THE OWNER/ARCHITECT/CONTRACTOR IS ADVISED THAT M.T.E. CONSULTANTS INC. CANNOT CERTIFY ANY COMPONENT OF THE SITE WORKS NOT INSPECTED DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY M.T.E. CONSULTANTS INC. PRIOR TO COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR INSPECTION.

NOTE:

1. **PROPERTY LINE IS APPROXIMATE ONLY AND SHOULD NOT BE USED FOR DETERMINING SETBACKS OR LAYOUT.**
2. **EXISTING TOPOGRAPHICAL INFORMATION PROVIDED BY STANTEC, DATED JANUARY 23, 2026.**
3. **ALL MVCA LINEWORK SHOWN ON THIS PLAN IS TAKEN FROM SHAPEFILE PROVIDED BY STANTEC AND IS APPROXIMATE ONLY.**
4. **INVERTS DENOTED WITH "±" ARE TAKEN FROM AS–BUILT PLAN AND PROFILE DRAWINGS COMPLETED BY IBI GROUP, DATED OCTOBER 7, 2015, AND GENERAL PLAN OF SERVICES PLAN PREPARED BY IBI GROUP, DATED AUGUST 21, 2013 AND ARE CONSIDERED APPROXIMATE ONLY. CONTRACTOR TO FIELD VERIFY AND REPORT ANY DISCREPANCIES TO ENGINEER.**
5. **THIS PLAN IS PART OF A SET OF PLANS WHICH COMPRISE OF THE FOLLOWING: C1.1, C1.2, C2.0, C2.1, C2.2, C2.3, C2.4, C2.5 AND C2.6.**

No.	REVISION	BY	YYYY-MM-DD
3.	RE-ISSUED FOR SITE PLAN CONTROL	AXS	2026-10-30
2.	ISSUED FOR PRICING	AXS	2026-09-22
1.	ISSUED FOR SITE PLAN CONTROL	AXS	2026-04-01

MTE Engineers, Scientists, Surveyors.

LICENSED PROFESSIONAL ENGINEER L. E. INGRAM 100120779 2026-10-30 PROVINCE OF ONTARIO

CLIENT
IRONCLAD DEVELOPMENTS
101-57158 SYMINGTON RD 20E SPRINGFIELD, MB

PROJECT
319 HUNTMAR DRIVE
STITTSVILLE, ON

DRAWING
EROSION AND SEDIMENT CONTROL PLAN

Design By	DXN / LEI	Project Manager	A. SAWATSKY
Drawn By	DAC	Project No.	65860_001
Checked By	DXN / LEI	Drawing No.	C1.2
Date (yyyy-mm-dd)	2026-06-04		
Scale	1:400		Sheet 2 of 9

FILE # D07-12-26-0037
PLAN #: 19483

MTE File Path: P:\P\65860_001\65860_001-C1
October 30, 2026 - 11:42:57 AM - Plotted By: Dain Na