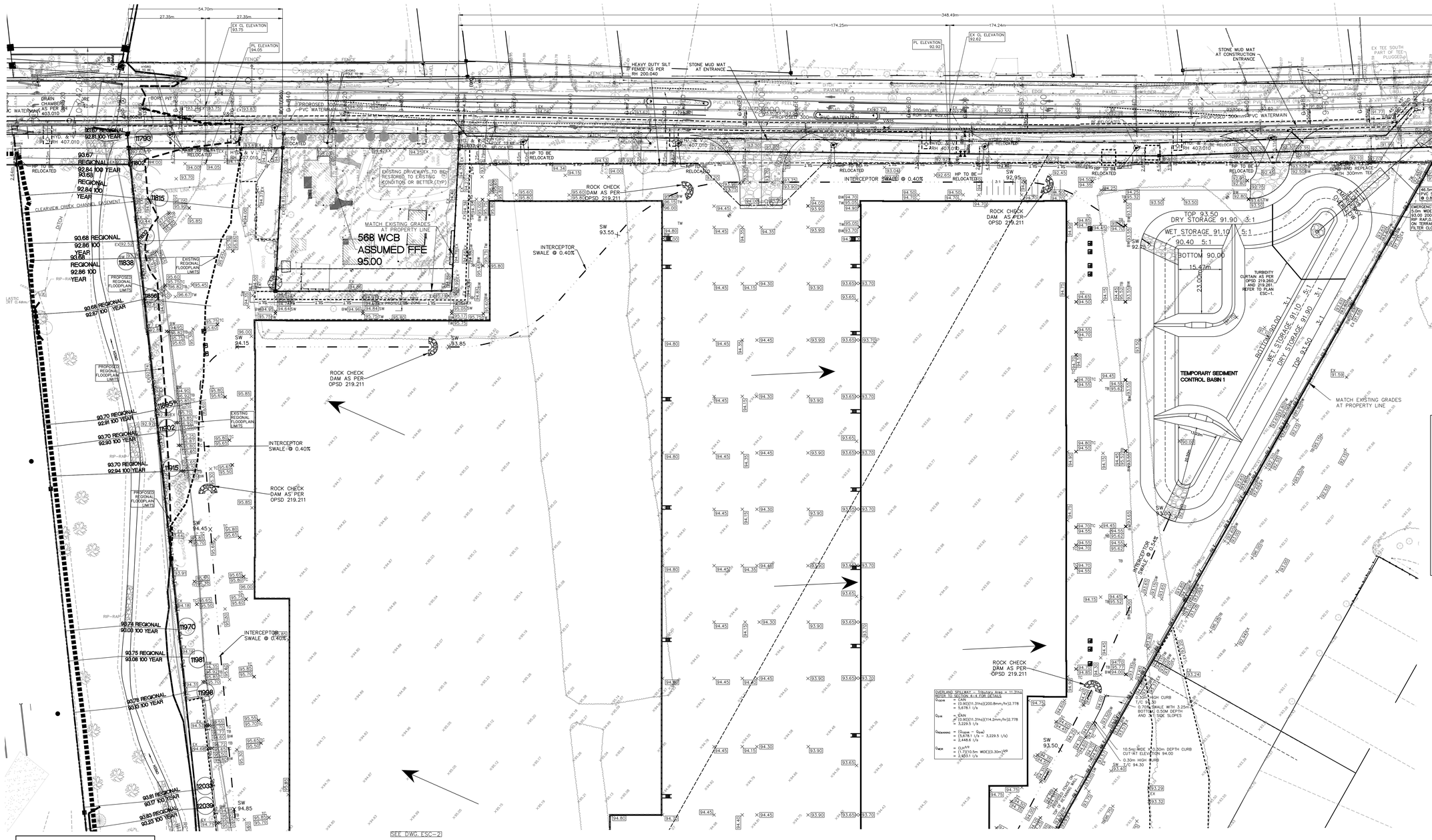
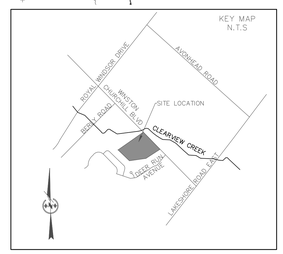
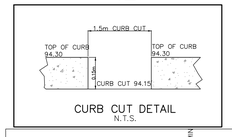




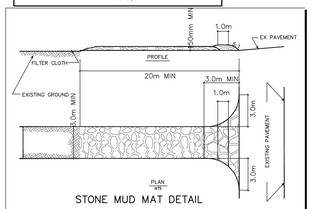
LEGEND

- EXISTING ELEVATION
- EXISTING ELEVATION
- PROPOSED ELEVATION
- PROPOSED TOP OF CURB ELEVATION
- PROPOSED TOP OF WALL ELEVATION
- PROPOSED BOTTOM OF WALL ELEVATION
- PROPOSED SWALE ELEVATION
- EXISTING REGIONAL FLOODLINE
- REGIONAL FLOODLINE
- SECTION NUMBER
- PHASING NUMBER
- ROCK CHECK DAM
- STONE MUD MAT
- SILT FENCE
- INTERCEPTOR SWALE
- TREE PROTECTION

100 YEAR AND REGIONAL FLOODLINE INFORMATION TAKEN FROM PLAN PREPARED BY CVC FLOOD HAZARD MAP.



CURB CUT DETAIL
N.T.S.



STONE MUD MAT DETAIL

STONE SIZE – USE 50mm STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.

LENGTH – AS REQUIRED, BUT NOT LESS THAN 15m (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 10m MIN. LENGTH WOULD APPLY.)

THICKNESS – NOT LESS THAN 150mm.

WIDTH – 3m MINIMUM, BUT NOT LESS THAN THE WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURES.

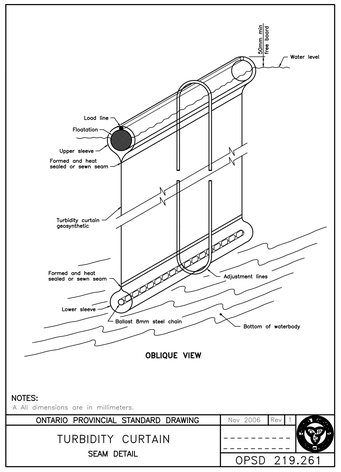
FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. FILTER CLOTH WILL NOT BE REQUIRED ON SINGLE FAMILY RESIDENCE LOT.

SURFACE WATER – ALL SURFACE WATER FLOWING OR DIRECTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.

MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT–OF–WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT–OF WAY MUST BE REMOVED IMMEDIATELY.

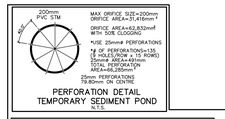
WASHING – WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT–OF–WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

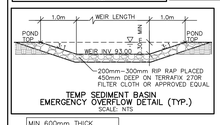


NOTES:
A All dimensions are in millimeters.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2006	Rev.
TURBIDITY CURTAIN SEAM DETAIL		OPSD 219.261



PERFORATION DETAIL
TEMPORARY SEDIMENT POND
N.T.S.



TEMP SEDIMENT BASIN
EMERGENCY OVERFLOW DETAIL (TYP.)
SCALE: NTS

SEDIMENT STORAGE VOLUME REQUIRED:

DRY STORAGE = 185m³/ha
WET STORAGE = 185m³/ha

RELEASE RATE
AVG HEAD=Dry Storage Depth/2
AVG 24hr DISCHARGE= Dry Storage Volume / 24X60X60

$Q=CA\sqrt{2gh}$

$A= Q/C\sqrt{2gh}$

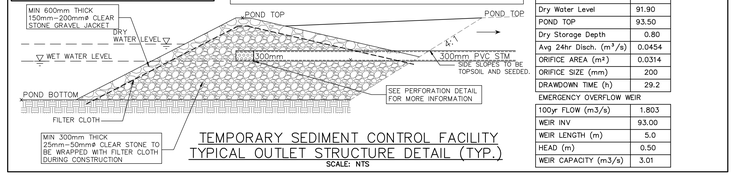
EMERGENCY OVERFLOW CALCULATIONS:

Q=CAIN
Iavg = 200.8 mm/hr (for tc=10min)
C = 0.25
A = AREA (ha)
N = 2.778

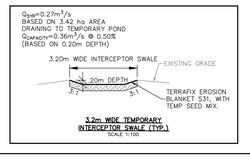
WEIR EQN: $Q=CLH^{3/2}$
C = COEFF 1.705
L = LENGTH OF WEIR
H = HEAD (m)

SEDIMENT BASIN SUMMARY TABLE

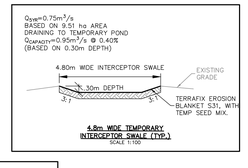
	BASIN 1
AREA (ha)	12.93
Wet Vol.–Required (m³)	2,392
Wet Vol.–Provided (m³)	3,122
Dry Vol.–Required (m³)	2,392
Dry Vol.–Provided (m³)	3,925
BOTTOM	90.00
Wet Water Level	91.10
Dry Water Level	91.90
POND TOP	93.50
Dry Storage Depth	0.80
Avg 24hr Disch. (m³/s)	0.0454
ORIFICE AREA (m²)	0.0314
ORIFICE SIZE (mm)	200
DRAWDOWN TIME (h)	29.2
EMERGENCY OVERFLOW WEIR	
100yr FLOW (m3/s)	1.803
WEIR INV	93.00
WEIR LENGTH (m)	5.0
HEAD (m)	0.50
WEIR CAPACITY (m3/s)	3.01



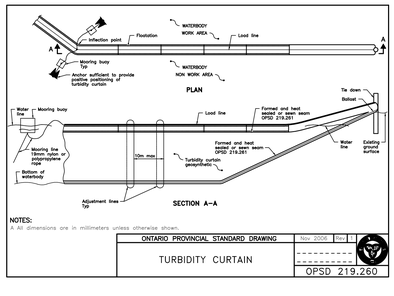
TEMPORARY SEDIMENT CONTROL FACILITY
TYPICAL OUTLET STRUCTURE DETAIL (TYP.)
SCALE: NTS



3.2m WIDE TEMPORARY
INTERCEPTOR SWALE (TYP.)
SCALE 1:100



4.8m WIDE TEMPORARY
INTERCEPTOR SWALE (TYP.)
SCALE 1:100



NOTES:
A All dimensions are in millimeters unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2006	Rev.
TURBIDITY CURTAIN		OPSD 219.260

ONTARIO PROFESSIONAL ENGINEER
2023-08-30
A. M. CANDARAS
PROVINCE OF ONTARIO

No.	Date	By	REVISIONS
5	AUG.30/23	J.M.N.	ISSUED FOR FIFTH SUBMISSION
4	JUN.17/22	J.M.N.	ISSUED FOR FOURTH SUBMISSION
3	NOV.25/21	J.M.N.	ISSUED FOR THIRD SUBMISSION
2	FEB.26/21	J.M.N.	ISSUED FOR SECOND SUBMISSION
1	JAN.25/21	J.M.N.	ISSUED FOR SECOND SUBMISSION

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560, 570 AND 580 WINSTON CHURCHILL BLVD.

TOWN OF OAKVILLE
REGION OF HALTON

SEDIMENT AND EROSION CONTROL PLAN – NORTH

SCALE: 1:500	DATE: JANUARY 2020	PROJ No. 1870	
DRAWN: J.M.N.	CHK'D: A.M.C.	PLAN No. ESC–1	
DESIGNED: A.M.C.	SHEET 1 OF 1		

FILENAME: Q:\1870\1870 - MUSC.dwg
PLOTTED BY: Jeremy
PLOTTED ON: 2023-08-30 2:27pm