EROSION AND SEDIMENT CONTROL NOTES:

1. ALL EROSION AND SEDIMENT CONTROLS ARE TO BE INSTALLED TO THE SATISFACTION OF THE CITY OF OTTAWA AND MINISTRY OF ENVIRONMENT, CONSERVATION AND PARKS (MOECP), APPROPRIATE TO THE SITE CONDITIONS, PRIOR TO UNDERTAKING ANY SITE ALTERATIONS (FILLING, GRADING, REMOVAL OF VEGETATION, ETC.) AND DURING ALL PHASES OF SITE PREPARATION AND CONSTRUCTION IN ACCORDANCE WITH THE CURRENT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL SUCH AS BUT NOT LIMITED TO INSTALLING SILTSACKS ACROSS MANHOLE/CATCHBASIN LIDS TO PREVENT SEDIMENTS FROM ENTERING STRUCTURES AND INSTALL AND MAINTAIN A LIGHT DUTY SILT FENCE BARRIER AS REQUIRED.
2. TO PREVENT SURFACE EROSION FROM ENTERING THE STORM SYSTEM DURING CONSTRUCTION, SILTSACKS WILL BE PLACED UNDER ALL PROPOSED AND SURROUNDING CATCHBASINS AND MANHOLES. THE SILTSACKS WILL REMAIN IN PLACE UNTIL VEGETATION HAS BEEN ESTABLISHED AND CONSTRUCTION COMPLETE.
3. CONTRACTOR IS TO INSTALL LIGHT DUTY SILT FENCE AS PER OPSD 219.110. CONTRACTOR SHALL MAINTAIN SILT FENCE FOR THE DURATION OF THE CONTRACT.
4. CONTRACTOR IS TO INSTALL STRAW BALES AS PER OPSD 219.180 AS INDICATED AND DIRECTED BY THE ENGINEER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
5. ALL AREAS DISTURBED BY CONSTRUCTION ARE TO BE TREATED WITH IMPORTED TOPSOIL, SEED AND MULCH.
6. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
7. ALL STREETS ARE TO BE SWEPT ONCE ROADWAYS ARE PAVED AND TO CONTINUE FOR THE DURATION OF CONSTRUCTION ACTIVITY. STREETS ARE TO SWEPT REGULARLY AS INDICATED BY THE ENGINEER.
8. THE CONTRACTOR SHALL KEEP MATERIAL FOR ADDITIONAL EROSION AND SEDIMENT CONTROLS ONSITE AT ALL TIMES. THESE MATERIALS INCLUDE BUT ARE NOT LIMITED TO: SILT FENCES, STRAW BALES, SEDIMENT BAGS AND CLEAR STONE. A CONTINGENCY PLAN TO INCLUDE THE PROVISION OF ADDITIONAL LABOUR, EQUIPMENT OR MATERIALS TO INSTALL ADDITIONAL CONTROL MEASURES, AS WELL AS PROVIDE AN EMERGENCY RESPONSE PLAN IN CASE OF AN ACCIDENTAL EVENT. AS SUCH, THE CONTRACTORS SHALL HAVE ADDITIONAL CONTROL MEASURES ON SITE ALL TIMES WHICH ARE EASILY ACCESSIBLE AND MAY BE IMPLEMENTED AT A MOMENT'S NOTICE.
9. MUD MATS ARE TO BE INSTALLED AND MAINTAINED AT CONSTRUCTION ACCESS POINTS TO MINIMIZE SEDIMENT TRANSFER TO EXISTING ROADWAYS (SEE MUD MAT DETAIL).
10. COORDINATE ALL WORK WITH THE OWNER AND CONTRACT ADMINISTRATOR

LEGEND

- PROPOSED ELEVATION / EXISTING ELEVATION (89.85 / 87.72)
- EMERGENCY OVERLAND FLOW
- LIGHT DUTY SILT FENCE BARRIER AS PER OPSD 219.110
- TEMPORARY LIGHT-DUTY STRAW BALE BARRIER AS PER OPSD 219.180
- FLOODPLAIN
- Top of Slope (AOV, Matrix)
- New Top of Slope (Novatech)
- Existing Gravel Shoulder
- Existing Paved Shoulder
- Existing Ditch

NORTH

KEY PLAN N.T.S.

OPEN SPACE BLOCK 83 GRADING TO BE MAINTAINED PER EXISTING CONDITIONS AND SHALL SHEET DRAIN TOWARDS THE RIDEAU RIVER

OUTLET HEADWALL

OUTLET DITCH

RIDEAU RIVER

POTENTIAL 6.0m WIDE PAVED EMERGENCY ACCESS PATH COMPLETE WITH HEAVE VEHICLE ROAD STRUCTURE, DITCH CULVERT CROSSING, AND P-GATE OR BREAKDOWN BOLLARD PER CITY OF OTTAWA F10 OR F11

MAINTAIN/IMPROVE DITCH FOR DRAINAGE OF OPEN SPACE BLOCK

OPEN SPACE BLOCK 34 GRADING TO BE MAINTAINED PER EXISTING CONDITIONS AND SHALL SHEET DRAIN TO THE ROADSIDE DITCH OF RIDEAU VALLEY DRIVE

MANOTICK PUMPING STATION

SWALE TO TAKE MAJOR SYSTEM FLOW

REAR HALF OF LOTS 30-32 & 56-63 AND BLOCKS 64 & 79 TO SHEET DRAIN TO OXBOW

EXISTING OXBOW

OXBOW

BLOCK 83 PH1 OPEN SPACE 0.70 Ha

BLOCK 34 PH2 OPEN SPACE 0.16 Ha

BLOCK 81 PH1 OPEN SPACE 1.44 Ha

BLOCK 82 PH1

BLOCK 88 PH1 ROAD WIDENING

BLOCK 87 PH1/2 ROAD WIDENING

RIDEAU VALLEY DRIVE

CHARLOTTE OLIVE CIRCLE

BANKFIELD ROAD

100YR FLOODPLAIN

TOP OF SLOPE

PROPOSED TREE PRESERVATION ZONE

SELECTIVE TREE CUTTING ZONE

HYDROPOLE NO X36919 TO BE RELOCATED (BY OTHERS)

TIE INTO EXISTING GRADE

15.2m x 550mmØ CSP CULVERT INV. = 86.16 (2.6mm THICKNESS) OBV. = 88.95

INV. = 85.85 OBV. = 86.85

26m RETAINING WALL

1.80m CONC. SIDEWALK

NOISE BARRIER 2.1m - 1.8m HEIGHT

NOISE BARRIER 34.1m - 1.8m HEIGHT

NOISE BARRIER 124.2m - 2.2m HEIGHT

KIRKVALVE CHAMBER NO. 5

0.95%

BH 2-22 85.56 (81.32)

BH 1-22 83.47 (77.58)

BH 106 ELEV= 86.81

BH 107 ELEV= 84.76

BH 92-02 ELEV= 85.76

BH 8-21 91.32

BH 9-21 90.52

BH 7-21 87.56 (83.16)

BH 2-21 88.55

SEE DRAWING No. 121153-GR2

NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

No.	REVISION	DATE	BY
6.	ISSUED FOR PH 2 REVIEW	JUN 16/26	BHB
5.	ISSUED FOR RE-SUBMISSION REVIEW	MAR 3/25	BHB
4.	ISSUED FOR RE-SUBMISSION REVIEW	DEC 13/24	BHB
3.	ISSUED FOR RE-SUBMISSION REVIEW	AUG 08/24	BHB
2.	ISSUED FOR RE-SUBMISSION REVIEW	APR 11/24	BHB
1.	ISSUED FOR REVIEW	JAN 6/23	BHB

SCALE 1:500 (1:500, 0 5 10 15 20)

DESIGN BPR
CHECKED BHB
DRAWN BPR
CHECKED BHB
APPROVED BHB

FOR REVIEW ONLY

LICENSED PROFESSIONAL ENGINEER — B. P. RUNDLE — 100527529 — Jun 24, 2026 — PROVINCE OF ONTARIO

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LOCATION
CITY OF OTTAWA
STINSON LANDS SUBDIVISION

DRAWING NAME
CONCEPTUAL GRADING, EROSION, & SEDIMENT CONTROL PLAN

PROJECT No. 121153-00
REV REV #6
DRAWING No. 121153-GR1

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