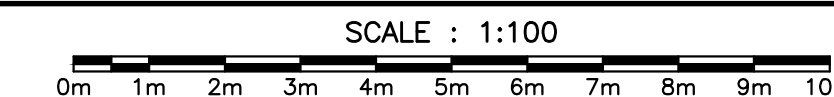


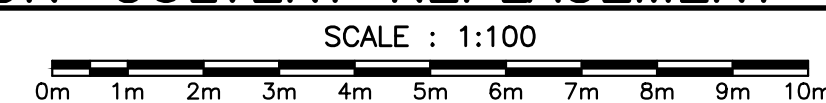
OUTLET (RIP-RAP AND ARMOUR STONE)

INLET (RIP RAP)

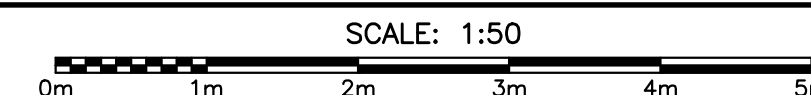
### DETAIL – INLET AND OUTLET PLANS



## SECTION—CULVERT REPLACEMENT



SECTION-BROOK-RIP RAP AND ARMOUR STONE



- |                 |                  |
|-----------------|------------------|
| _____           | EDGE OF ASPHALT  |
| _____           | EDGE OF GRAVEL   |
| —●—●—●—         | GUARDRAIL        |
| -----           | TOP/TOE OF SLOPE |
| ~~~~~           | TREELINE         |
| _____           | WATERCOURSE      |
| _____           | UTILITY POLE     |
| -----           | DITCH            |
| -----           | CULVERT          |
| -----           | CULVERT FOOTING  |
| -----           | OVERHEAD WIRE    |
| -----           | CONTOUR          |
| _____           | BOREHOLE         |
| ◆ BH12-1        | ASPHALT REMOVAL  |
| ▨ ▨ ▨ ▨ ▨ ▨ ▨ ▨ | ASPHALT MILLING  |

NOTES

1. A COPY OF THE GEOTECHNICAL REPORT FOR THIS PROJECT IS INCLUDED AS AN APPENDIX TO THE SPECIFICATION. ALL RECOMMENDATIONS OF THE SOILS REPORT TO BE FOLLOWED FOR THE DESIGN AND CONSTRUCTION OF THE CURB STRUCTURE AND RETAINING WALLS.
2. FOOTINGS ARE TO BE FOUND ON 450 MM TYPE 2 WHICH IS TO BE PLACED ON UNDISTURBED TILL OR ALLUVIUM. REPRESENTATIVE TO INSPECT AND APPROVE ALL FOOTING EXCAVATIONS PRIOR TO PLACEMENT OF CAST IN PLACE CONCRETE.
3. ALL WORK IS TO BE CARRIED OUT IN THE DRY. GROUNDWATER LEVELS ARE TO BE DRAWN DOWN BELOW BASE OF EXCAVATIONS. THE CONTRACTOR WILL UNDERTAKE ALL REQUIRED DEWATERING MEASURES INCLUDING BUT NOT LIMITED TO:
  - PUMPING FROM SUMPS
  - PROVISION OF COFFERDAMS TO DIVERT WATER FROM THE EXCAVATION
  - WELL POINTING
4. WATERPROOF JOINTS TO RIGID FRAME CURB/PAVEMENT MANUFACTURER'S RECOMMENDATIONS.
5. NSTR TYPE R2 RIP RAP GRADATION AS FOLLOWS:
  - D100 = 650mm
  - D50 = 650mm
  - D15 = 230mm