NOTES:
1. The piezo sensor can be either a brass ring (BR) piezo or quartz piezo sensor — refer Standard Drawing 1906 for installation details.
2. The piezo sensor is to be assembled and tested prior to delivery at site.
3. All drills for piezo sensors shall be out to nearest pit.
4. Piezo sensors shall be installed perpendicular to the centre line of the road.
5. Separation of piezo sensors shall be 1000mm ± 3mm.
6. Tiling piezo sensor must be installed directly over the centre of the culvert.
7. Refer manufacturer’s instructions for strain gauge and piezo sensor installation requirements and parameters.
8. Consideration for installation requirements of common or single cell strain gauge configurations shall be determined by site conditions and manufacturer’s specifications.
10. The TSDF cabinet and concrete pad shall be installed clear of flood lines.
11. Contractor shall follow TAR Structures team approved methods and procedures where core drilling holes through culvert roof.
12. All conduits and enclosures to be installed on the culvert roof shall be offered by TAR Structures team approved method.
13. Under no circumstances should PVC glue be used to bond conduit together that are attached to culvert roof. Condact assembly be joined by slide fit only and are not required to be waterproof.
14. All dimensions in metres unless noted otherwise.

ASSOCIATED DEPARTMENTAL DOCUMENTS:
Standard Drawings
Specifications

REFERENCED DOCUMENTS:
Departmental Standard Drawings:
1901 TSDM - Foundation Equipment Cabinet Base Installation Details
1905 TSDM - Foundation Equipment Cabinet Typical Details
1905 TSDM - WM Typical Layout Piezo Sensor Installation Details
Departmental Specifications:
MRTS2533 Provision of Weight-in-Motion System
MRTS2527 Traffic Survey Data Management (TSDM) Foundation Equipment
MRTS2550 Provision of Automatic Number Plate Recognition System

WARNING: INSTALLATION OF CONDUITS AND PITS IS THE RESPONSIBILITY OF THE LICENSED ELECTRICAL CONTRACTOR.