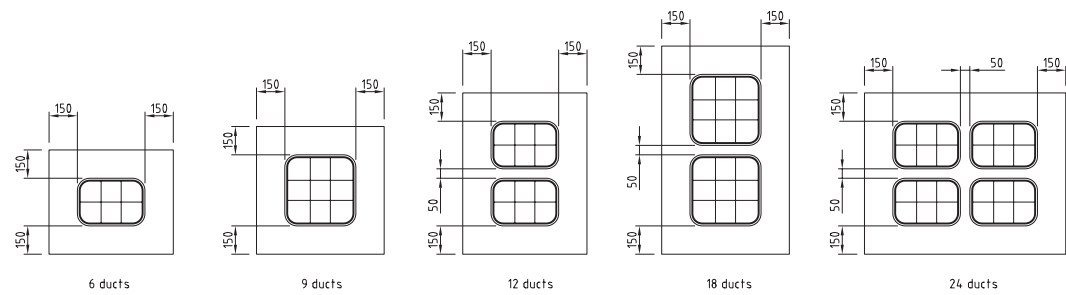
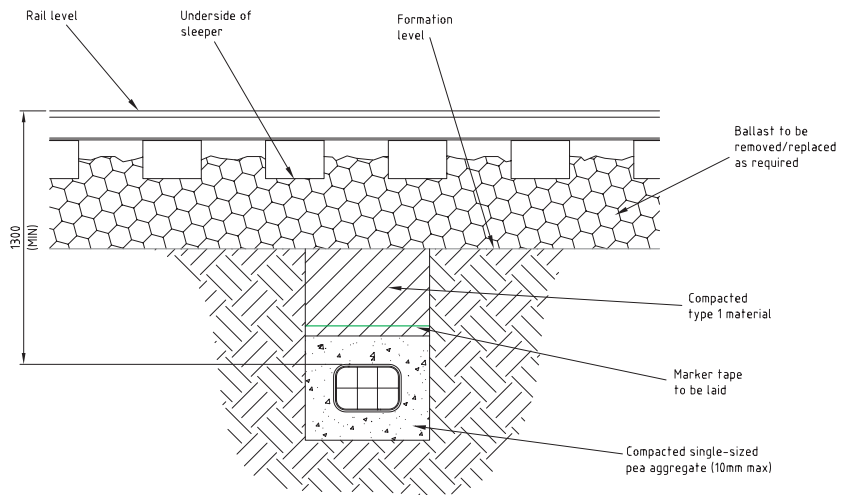


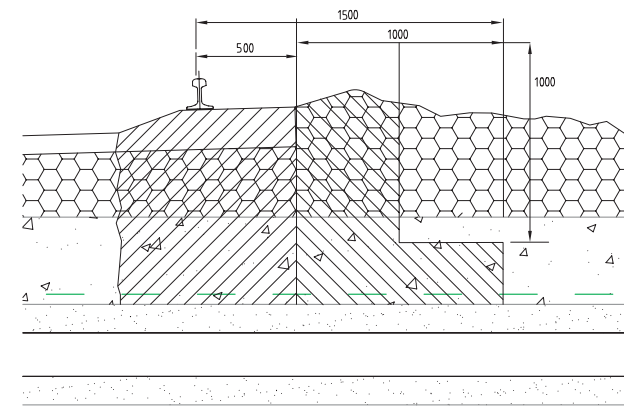
MULTIDUCT CONDUIT CONFIGURATIONS
1 : 20



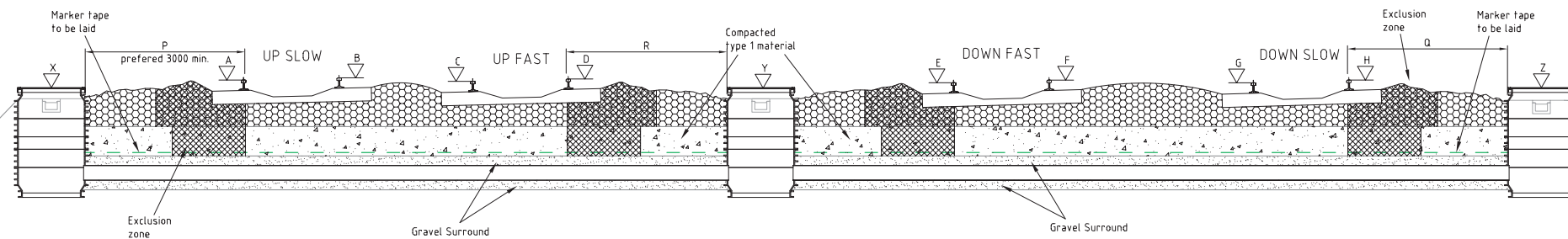
SELECTION OF MULTIDUCT CONDUIT CONFIGURATIONS
1 : 20



MULTIDUCT CONDUIT CONFIGURATIONS
1 : 20



EXCLUSION ZONE
1 : 20



LONG SECTION OF TYPICAL UTX
1 : 50

CONSTRUCTION OF CHAMBER:

1. Excavate site to the depth required. Allow 150mm all around the wall for backfill and 75-100mm for the base.
2. Form a base (min 75mm thick) with compacted lean dry mix concrete or compacted Type 1 stone [mixed size road stone]. Check depth with tape, allow for cover and frame. Arrange for sump and cable anchors if required. Where anchor required, floor to be reinforced with steel mesh. [Lean Mix - use 1 cement : 10 aggregate/sand]
3. Place the box in the excavation with frame fitted. Using a screed, level the top of the box with the surrounds. Adjust the depth by packing material under the walls.
4. Mark the position for duct entries.
5. Remove box from the excavation. Cut duct entries with holesaw. If duct already in situ, see separate instructions for method to form 'drop over' or 'build around' box.
6. Replace box. Place length of duct section through cut-out holes and extending to outside of excavation. The duct should extend inside the box by 25-50mm.
7. If required, form a floor using mortar. Fall to sump if fitted.
8. Backfill with as dug, Type 1 stone [mixed size road stone] or lean mix, compacting frequently up to the top of the frame. The choice of backfill material should be consistent with the preferred compaction method and local conditions. Where the excavation is less than 0.5m from the road, lean mix backfill is recommended.
9. Place frame and cover in position. The frame can be bolted to the top of the chamber. Alternatively, form a mortar haunch around the frame 100mm wide by 75mm deep. Ensure the grouting lugs on the frame are properly bedded in the concrete collar. The mortar can be placed under the frame to adjust the finish level.

NOTES:

1. All dimensions in mm unless otherwise stated.
2. Chambers and ducts available from:- Carson Industries Ltd, Roscommon, Ireland
3. Backfill to be compacted in 150mm layers.

Drawing Title

GENERIC UTX DESIGN

Appr: C Cantwell
Date: Aug 06

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