

CUDO[®]

Stormwater Storage System

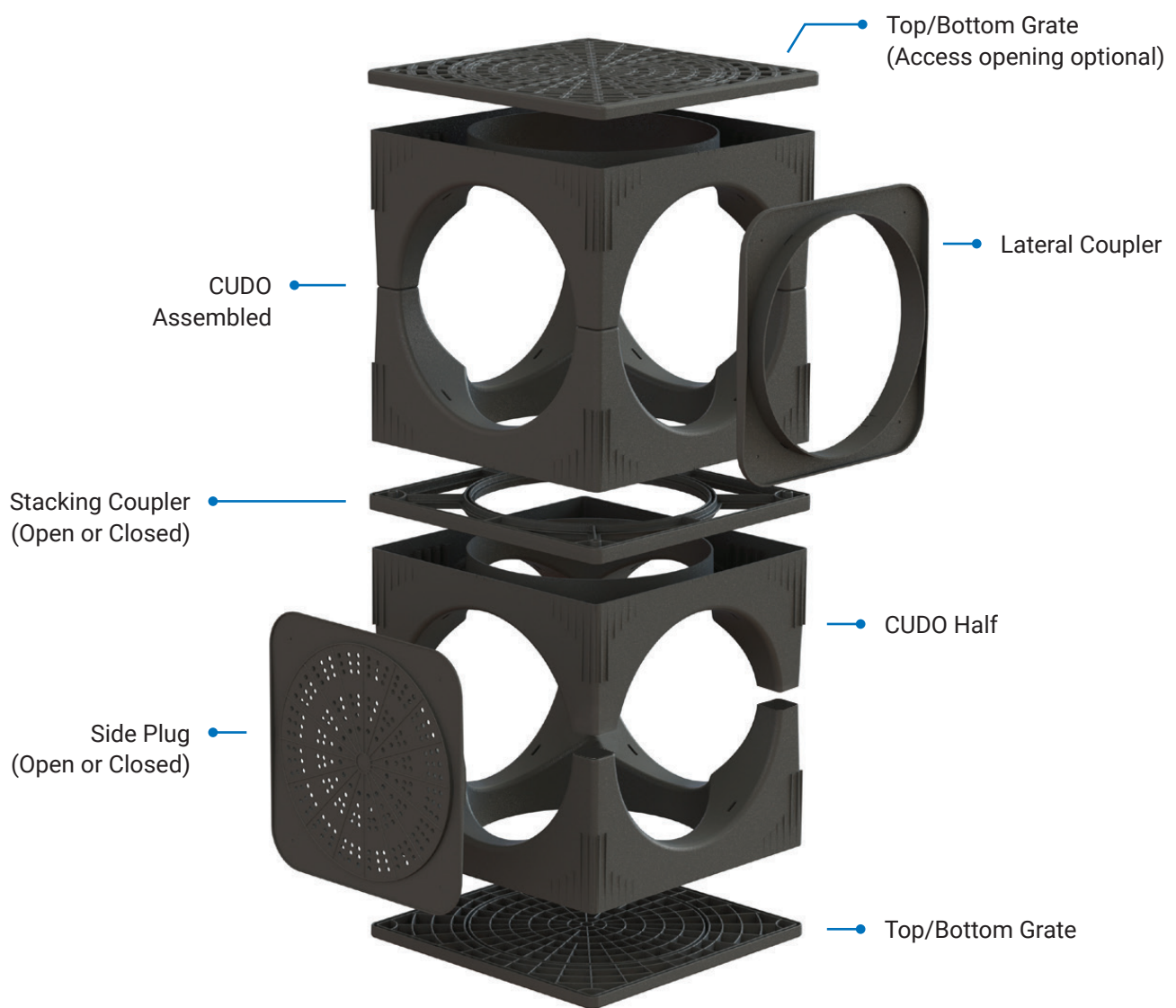
Installation Guide



1. Assembly

1.1. CUDO Assembly

The CUDO product will arrive onsite with the required number of components to complete your project. Those components will consist of (as required) CUDO half cubes, top/bottom grates, stacking couplers, side plugs, and/or lateral connectors. Assembly of the completed CUDO system will be done onsite per project specific assembly details with their simple snap together feature.



2. Preparation

2.1. Site Excavation

The contractor shall excavate the site to the width, depth and length necessary to accommodate and install the CUDO stormwater system including provisions for cover over the system and depth below the system in accordance with the project engineer's specifications.

2.2. Base Preparation

Generally a base material of sand or stone should be used and be compacted to 95%. The specific nature of the material will depend upon a myriad of factors, including but not limited to soil reports and end use of system (detention or retention). The base must be finished evenly to provide a level surface for the CUDO installation.

3. Installation

3.1. Fabric/Liner Placement

Either a non-woven filter fabric material or an impermeable liner will be required to surround the perimeter of the CUDO system. Either product shall be laid to the contour of the excavation bottom and side walls with a minimum of 12" overlapping, or as specified by the project engineer.

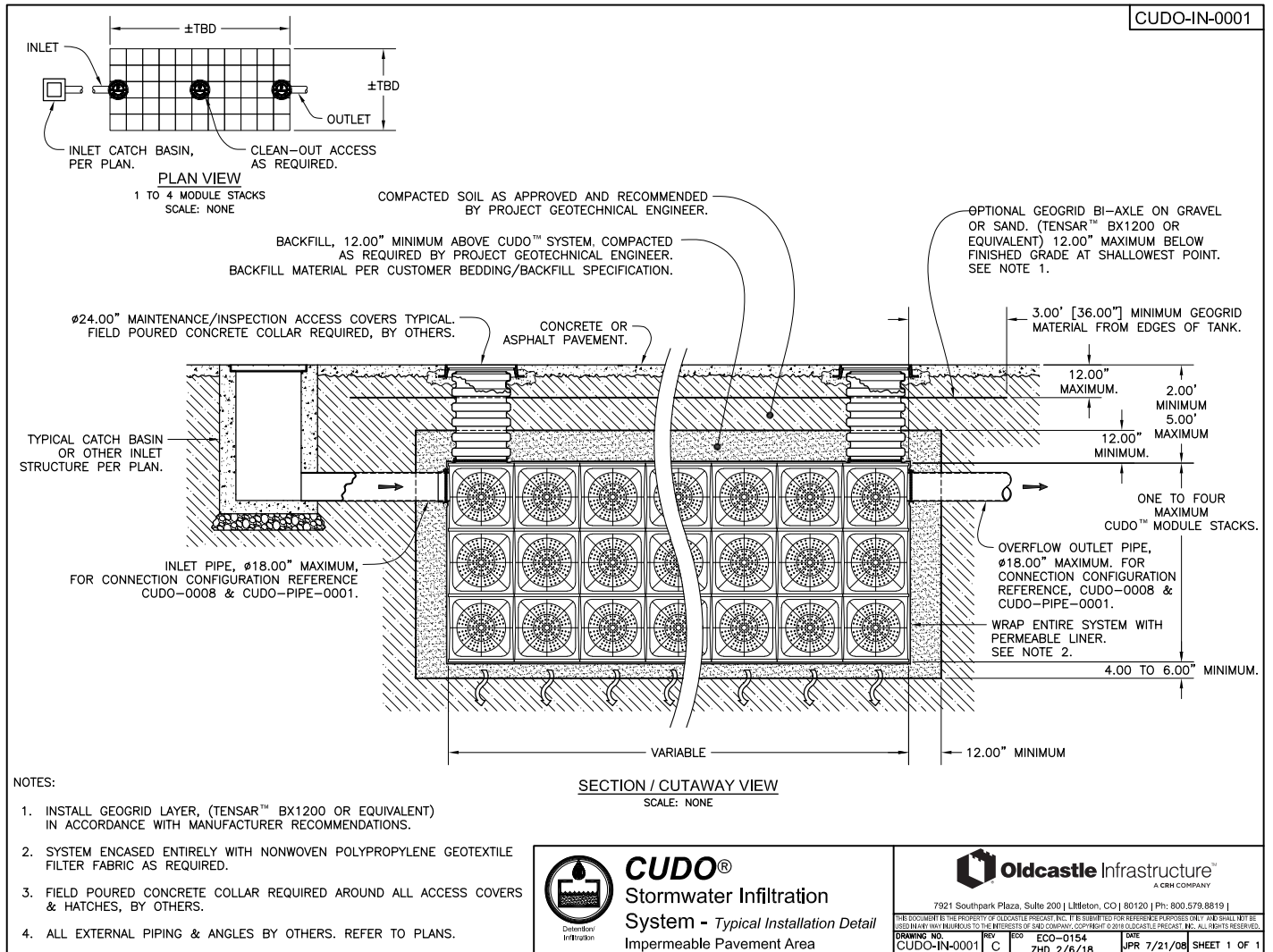
3.2. CUDO Placement

The assembled CUDO cubes shall be placed on top of the fabric/liner material in accordance with the project's specific layout details. Maintain a level top at all times and keep the units in a straight line in each direction. Complete any inlet/outlet pipe connections in accordance with the project's details. Connect the inspection/cleanout port riser material to the top of the CUDO as shown on the project layout detail. Pull the fabric/liner material taut around the CUDO's to completely seal the system, using duct tape to temporarily secure the material overlaps in place.

3.3. Backfilling/Geogrid Placement

Using a compactable material as specified by the project engineer, backfill the sides of the CUDO system evenly in 12" lifts to a minimum of 95% with a mechanical compactor. Bring the backfill to the top of the CUDO system and then continue backfill placement in accordance with the project's specific requirements for the type and location of Geogrid over the top of the CUDO system.

Sample Installation Detail



CUDO®
Stormwater Infiltration
System - Typical Installation Detail
Impermeable Pavement Area



7921 Southpark Plaza, Suite 200 | Littleton, CO | 80120 | Ph: 800.579.8819 |

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