[illegible]

The diagram illustrates a StormBLOC Inspection Tunnel system. It consists of a grid of StormBLOC modules, each measuring 800mm x 800mm x 660mm. The modules are arranged in a rectangular pattern, with a central vertical section labeled 'INSPECTION TUNNEL'. On the left side, an 'INLET PIPE (BY OTHERS)' is shown entering the system through a 'STORMBLOC INSPECT MODULE'. On the right side, an 'OUTLET PIPE (BY OTHERS)' is shown exiting the system through an 'END PLATE/ PIPE ADAPTERS'. A note at the bottom states: 'NOTE : CHAMBERS PROVIDE ACCESS TO INTEGRAL TUNNELS FOR INSPECTION & MAINTENANCE IF REQUIRED'. A dashed line indicates where an 'IMPERMEABLE MEMBRANE TO BE CUT WHERE PIPE JOINS ADAPTER AND SEALED TO ELIMINATE FINES AND WATER ENTERING THE TANK'.

NOTE:
2 PIPE CONNECTIONS CAN BE MADE DIRECT TO STORMBLOC INSPECT CHAMBER AT HIGH OR LOW LEVEL. ADAPTERS TO SUIT UP TO Ø325mm ID PIPES ARE AVAILABLE. ADDITIONAL PIPE CONNECTIONS UP TO Ø225mm ID CAN BE MADE DIRECT TO EXTENSION SHAFT.

STORMBLOC MODULES (800mm x 800mm x 660mm EACH)

INSPECTION TUNNEL

INLET PIPE (BY OTHERS)

STORMBLOC INSPECT MODULE

IMPERMEABLE MEMBRANE TO BE CUT WHERE PIPE JOINS ADAPTER AND SEALED TO ELIMINATE FINES AND WATER ENTERING THE TANK

OUTLET PIPE (BY OTHERS)

END PLATE/ PIPE ADAPTERS

NOTE : CHAMBERS PROVIDE ACCESS TO INTEGRAL TUNNELS FOR INSPECTION & MAINTENANCE IF REQUIRED

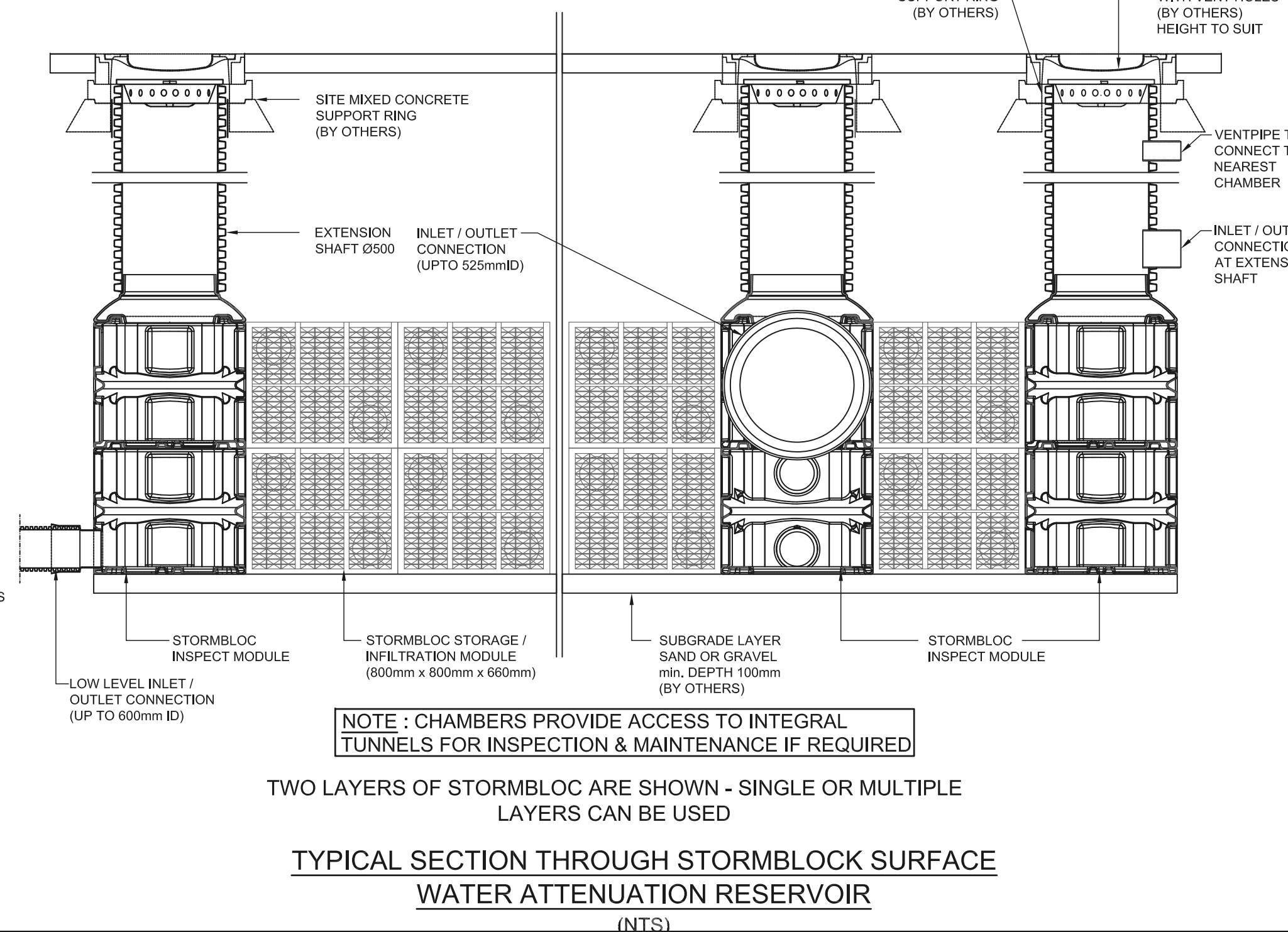


TABLE SHOWING PRIVATE MANHOLE/INSPECTION CHAMBER COVER GRADES AND AREAS OF USE	
COVER GRADE TO BS EN: 124	LOCATION
D400	FOR USE IN INDUSTRIAL ROADS AND PARKING AREAS ACCESSIBLE TO ALL TYPES OF ROAD VEHICLES INCLUDING HGVs.
C250*	FOR USE IN PRIVATE ROADS OR PARKING AREAS eg. CAR PARKS AND MINOR PRIVATE ROADS ACCESSIBLE TO REFUSE VEHICLES, FIRE APPLIANCES ETC WITH POSSIBLE OCCASIONAL HGV USE.
B125	FOR USE IN FOOTWAYS, PEDESTRIAN AREAS, DRIVEWAYS AND CAR PARKS ACCESSIBLE BY LIGHT VEHICLES ONLY.
A15	FOR USE IN AREAS WHICH CAN ONLY BE USED BY PEDESTRIANS AND PEDAL CYCLISTS
* D400 MAY BE USED IN LIEU OF C250 IF PREFERRED.	

NOTES

- 1) ALL BUILDING DRAINAGE TO BE INSTALLED AND TESTED IN COMPLIANCE WITH THE BUILDING REGULATIONS 2000 DRAINAGE AND WASTE DISPOSAL APPROVED DOCUMENT H 2002 EDITION.
- 2) ALL COMPONENTS AND MATERIALS ARE TO BE MANUFACTURED AND SUPPLIED IN ACCORDANCE WITH THE RELEVANT BRITISH STANDARDS, AND LAID AND BACKFILLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND THE RELEVANT BRITISH STANDARDS.

- 3) THE CONTRACTOR SHALL, BEFORE COMMENCING THE WORKS, VERIFY ALL SITE AND SETTING OUT DIMENSIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUE AND PROPER SETTING OUT OF THE WORKS AND FOR THE CORRECTNESS OF THE POSITION, LEVELS, DIMENSIONS, AND ALIGNMENT OF ALL PARTS OF THE WORKS.
- 4) SMALL LIGHTWEIGHT ACCESS COVERS SHOULD BE SECURE (FOR EXAMPLE WITH SCREWS) TO DETER UNAUTHORISED ACCESS.
- 5) INSPECTION CHAMBERS AND MANHOLES IN BUILDINGS TO HAVE MECHANICALLY FITTED AIRTIGHT COVERS UNLESS THE DRAIN ITSELF HAS WATERTIGHT ACCESS COVERS.
- 6) MANHOLES DEEPER THAN 1m TO HAVE GALVANISED STEEL IRONS OR FIXED LADDERS.
- 7) ALL ABOVE GROUND DRAINAGE TO INCORPORATE RODDING ACCESS FACILITIES.
- 8) INSITU CONCRETE FOR USE IN GENERAL DRAINAGE WORKS GRADE TO BS: 5328. USE AS FOLLOWS:

<u>CLASS 1 SULFATE CONDITIONS:</u>	
ADAPTABLE STANDARD WORKS AND AREAS SUBJECT TO HEAVY LOADING	GEN 3 or ST4
AREAS SUBJECT TO LIGHT LOADING eg. HOUSING AND PRIVATE DRIVES, SMALL CAR PARKS.	GEN1 or ST2
<u>FOR BURIED CONCRETE EXPOSED TO OTHER SULFATE CONDITIONS:</u>	
CLASS 2	FND 2
CLASS 3	FND 3
CLASS 4A	FND 4A
CLASS 4B	FND 4B

A	FOR APPROVAL	21.03.15	RAC
REV	AMENDMENT	DATE	CHKD

FOR APPROVAL

RCD

RCD CONSULTANTS LTD
23 HASTINGS ROAD ROAD, MAIDSTONE, KENT, ME15 7SH
MOBILE: 07702 052 137
EMAIL: ray@rcd-uk.com

CLIENT
RELIANT BUILDING CONTRACTORS LTD

PROJECT
PROPOSED RESIDENTIAL DEVELOPMENT
KINGS ROAD
SPALDING

DRAINAGE
CONSTRUCTION DETAILS
SHEET 2 OF 3

CIVILS

SCALE	DRAWN BY	CHECKED	DATE
AS SHOWN AT A1	RAC	MGC	MAR 2015

DRAWING NUMBER	REVISION
1151-1004-CIV-50	A