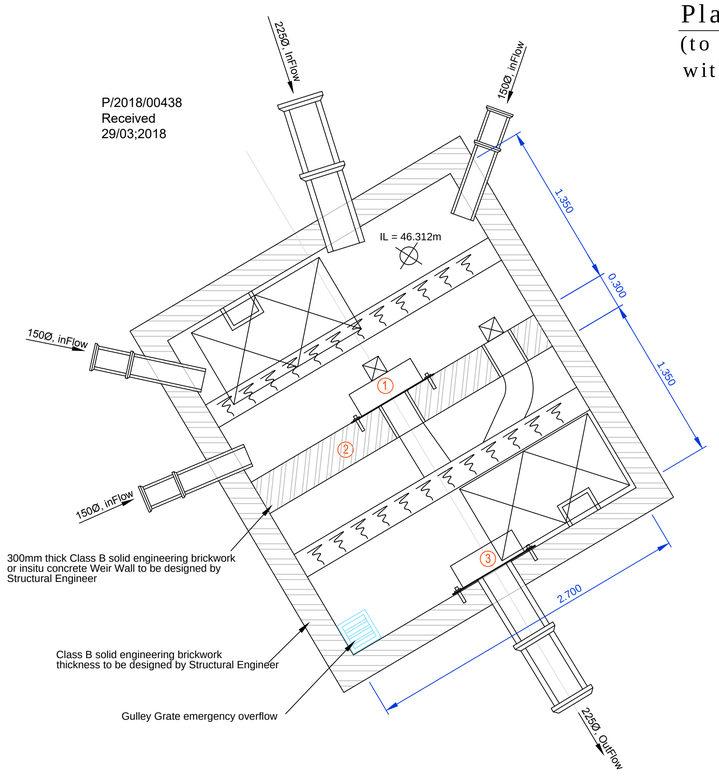
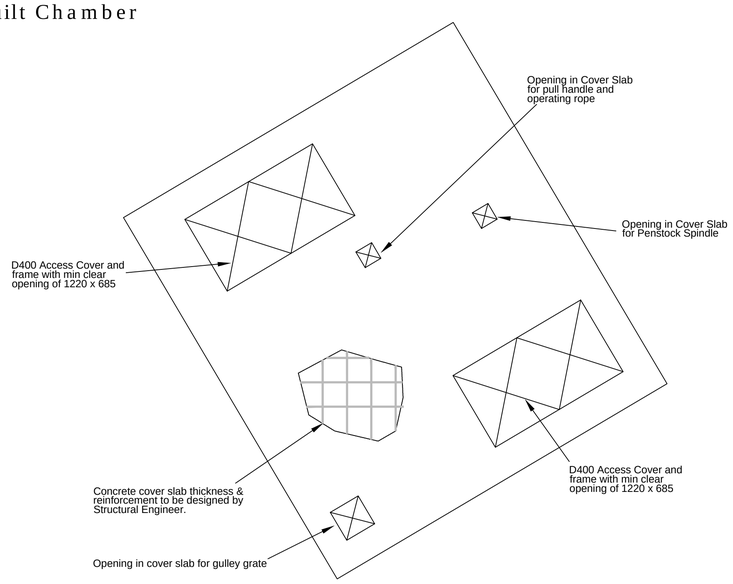
Plan View of Hydro-Brake Chamber S30

(to be fitted with Hydro-BrakeOptimum with Insitu Brick Built Chamber

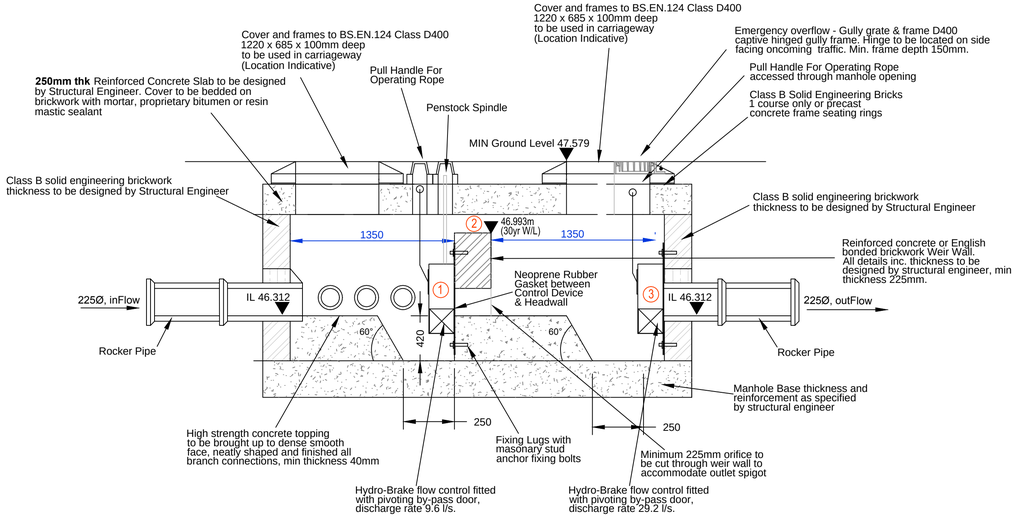
P/2018/00438
Received
29/03;2018





Plan View Of Cover Slab

1. OTHER TYPES OF HYDROBRAKES HAVE DIFFERENT SUMP CONFIGURATION, ALWAYS CONSULT MANUFACTURER.
2. THE WARNING SIGNS ARE TO BE 40MM HIGH RED LETTERING ON A WHITE PLASTIC BASE. THE PLASTIC BASE DIMENSIONS ARE TO BE APPROX. 300MM X 6MM
3. THE BASE IS TO BE RESISTANT TO ATTACK BY SEWAGE.
4. THE WARNING SIGN IS TO BE MOUNTED ON A REMOVEABLE SAFETY GRID AVAILABLE FROM COVER MANUFACTURER
5. THE SIGN IN THESE MANHOLES ARE TO READ "CAUTION - HYDROBRAKE LOCATED HERE"
6. A SIGN MUST BE FITTED IN THE UPSTREAM MH TO READ "CAUTION - HYDROBRAKE DOWNSTREAM"
7. A SIGN MUST BE FITTED IN THE DOWNSTREAM MH WHICH READS "CAUTION - HYDROBRAKE UPSTREAM"
8. ANY DIFFERENCE BETWEEN ACTUAL AND DRAWN DETAILS IS TO BE REPORTED IMMEDIATELY



Section

PRELIMINARY
SUBJECT TO APPROVAL

1. ALL DIMENSION IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DESIGN DRAWINGS AND OTHER INFORMATION.
3. ALL MANHOLE COVERS AND FRAMES TO BE IN ACCORDANCE WITH 4.2.30 OF THE CIVIL ENGINEERING SPECIFICATION.
4. ALL LIFTING EYES IN MANHOLE CHAMBER SECTIONS AND COVER SLABS TO BE POINTED.
5. REINFORCED COVER SLAB, WEIR WALL AND MANHOLE BASE TO BE DESIGNED BY CLIENTS STRUCTURAL ENGINEER.
6. ALL WALL DIMENSION SHOWN ARE SUBJECT TO DETAILED DESIGN BY CLIENTS STRUCTURAL ENGINEER.
7. MANHOLE FLOATATION TO CHECKED BY CLIENTS STRUCTURAL ENGINEER.
8. IF HIGH GROUND WATER LEVEL IS ENCOUNTERED, THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO DEAL WITH SUCH GROUND WATER BOTH AT SURFACE AND BELOW SURFACE DURING THE CONSTRUCTION OF THE DRAINAGE NETWORK.
9. ALL JOINTS BETWEEN PIPES AND CONCRETE SHALL BE WATER TIGHT.
10. ROCKER PIPES SHALL BE 600mm IN LENGTH OR 1.5 X D, WHICHEVER IS GREATER.
11. TOP OF MANHOLE ELEVATION NOTED ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL VERIFY THE ACTUAL ELEVATIONS AND SHALL ADJUST THE MANHOLES TOPS ACCORDINGLY TO BE FLUSH WITH THE ADJACENT ASPHALT PAVEMENT.
12. CONCRETE RINGS NOT TO BE CUT. EITHER MANHOLE RING TO BE CONSTRUCTED DEEPER TO SUIT OR ALTERNATIVE BRICK MANHOLE TYPE TO BE USED.

FRA Extract :-

Greenfield runoff rates

	Default	Edited	
Qbar	11.69	11.69	l/s
1 in 1 year	9.70	9.70	l/s
1 in 30 years	23.37	23.37	l/s
1 in 100 years	30.03	30.03	l/s

Please note that a minimum flow of 5 l/s applies to any site

FLOW CONTROL	STORM EVENT	WATER LEVEL	MAX OUTFLOW
(CONTROL 1) HYDRO-BRAKE	1 YEAR	46.724m	9.6 l/s
(CONTROL 2) WEIR-WALL	30 YEAR	46.993m	23.0 l/s
(CONTROL 3) HYDRO-BRAKE	100 YEAR (+40% CC)	47.164m	29.2 L/S

Rev	Description	Date	Drawn	Check
A	Chamber type changed to insitu & Hydrobrake spec added.	18.09.17	SM	#

Revisions:

Lioncourt Homes
RACE
RESIDENTIAL & COMMERCIAL ENGINEERING

Drawing Status:
Subject to the following approvals:
S101 - Subject to Technical Approval from Staffordshire CC Highways
S104 - Subject to Technical Approval from Severn Trent Water
S106 - Developer to complete application/approval with STW.
Consent to Discharge - Developer to complete application/approval with SCC Land Drainage Team

Client:
Lioncourt Homes

Project:
Tatenhill Lane, Branston

Title:
Control Chamber Construction Details

Job Number.
RACE/LCH/TLB

Drawing No.
ENG_280

Revision. A

Scale: NTS @ A1
Date: June ' 17
Drawn by: JL
Checked by: SM

Contact us :

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