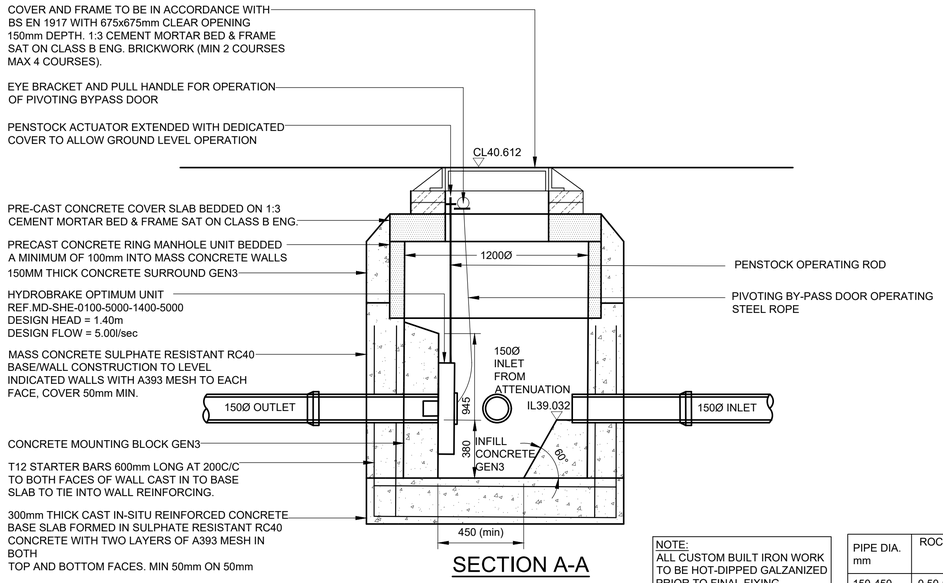
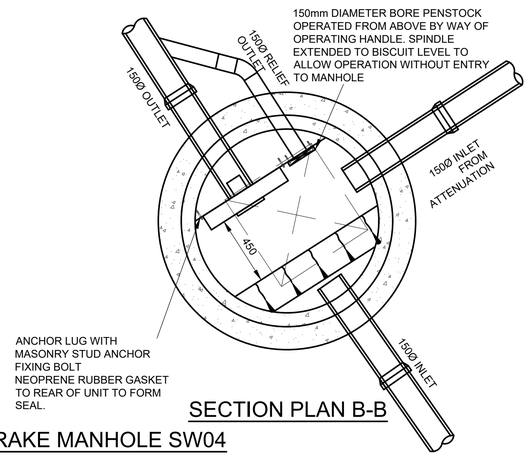


SECTION A-A

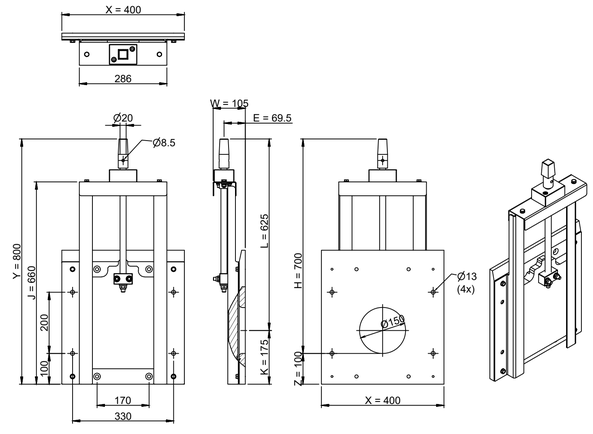
NOTE:
ALL CUSTOM BUILT IRON WORK TO BE HOT-DIPPED GALZANIZED PRIOR TO FINAL FIXING.

PIPE DIA. mm	ROCKER PIPE LENGTH
150-450	0.50-0.75
451-750	0.75-1.00
>750	NA



SECTION PLAN B-B

HYDROBRAKE MANHOLE SW04



150mmØ ASA HYDROBRAKE PENSTOCK

NOTES:
1. ALL EXCAVATIONS BELOW ADOPTED HIGHWAYS TO BE BACKFILLED WITH TYPE 1 AND COMPACTED IN LAYERS NOT EXCEEDING 150MM.
2. HIGHWAY AUTHORITY TO BE CONTACTED AS SOON AS CONTRACTOR IS ON SITE TO ENABLE EARLY DISCUSSIONS WITH THE CLERK OF WORKS.

GENERAL DRAINAGE

3. FIRST OFF LATERAL DRAINS ARE TO 150mm MINIMUM
4. ALL GULLIES TO BE TRAPPED AS SHOWN ON THE DETAILS DRAWINGS, LEADS TO BE MINIMUM 150mm.

ADOPTED DRAINAGE

5. POSITION AND LEVELS OF EXISTING MANHOLES AND SEWERS ARE TO BE CHECKED ON SITE BEFORE SITE ACTIVITIES COMMENCE.
6. THE SEWER CONNECTION IS TO BE CARRIED OUT BY AN NWL APPROVED CONTRACTOR.
7. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE REMAINING ENGINEERING DRAWINGS.
8. CONCRETE PROTECTION IS REQUIRED TO PROPOSED ADOPTABLE DRAINAGE PIPES WITH LESS THAN 900mm COVER IN AREAS NOT SUBJECT TO VEHICULAR LOADING AND LESS THAN 1200mm IN AREAS SUBJECT TO VEHICULAR LOADING.
9. ADOPTED DRAINAGE IS TO COMPLY WITH 'SEWERS FOR ADOPTION 6TH EDITION'.
10. PIPE SURROUND TO BE GRANULAR TYPE 'S' UNLESS NOTED OTHERWISE.

PRIVATE DRAINAGE

11. INSPECTION CHAMBER COVERS SHOULD BE SELECTED TO SUIT LOCATIONS
- D400 PARKING/ACCESS AREAS
- C250 PRIVATE DRIVES
- B125 PAVEMENTS AND GARDENS

12. PRIVATE DRAINAGE IS TO COMPLY WITH ALL STATUTORY REQUIREMENTS AND ACCORD WITH BS EN 752 AND BUILDING REGULATIONS APPROVED DOCUMENT H.
13. BEDDING SHOULD BE GRANULAR MATERIAL TO BS 882 : PART 2 OF 10MM NOMINAL SINGLE SIZED AGGREGATE. RIGID PIPES OF NOMINAL SIZE 150mm AND 160mm flexible PIPES SHOULD HAVE GRANULAR MATERIAL BEDDING TO BS 882 : PART 2 OF 10mm OR 14mm NOMINAL SIZED AGGREGATE OR 14mm TO 5mm GRADED
14. PIPE SIZES TO BE 100mm RIGID PIPE OR 110mm FLEXIBLE PIPE UNLESS OTHERWISE SHOWN. (ALL LATERAL DRAINS CONNECTING TO MAIN SEWER TO BE 150Ø MINIMUM)
15. FOR DRAINAGE PIPES TO BE CAST IN CONCRETE TO HAVE ROCKER PIPES EITHER SIDE OF CONCRETE.
16. WHERE 5 OR MORE PROPERTIES CONNECT TO THE SAME PRIVATE STORM RUN THE PIPE(S) SHOULD BE UPSIZED TO 150mm DIA. AFTER THE FIFTH PROPERTY. WHERE 10 OR MORE PROPERTIES CONNECT TO THE SAME PRIVATE FOUL RUN THE PIPES SHOULD BE UPSIZED TO 150Ø AFTER THE 10TH PROPERTY.

Rev.	Description	By	Chk	App	Date
A	Sewers updated to 150Ø to suit drainage layout	MA	SH	LRB	10/05/23
Ø	Initial Issue	MA	MT	LRB	14/02/23

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Client
TELMAC Developments

Project
Proposed Residential Development at West Boldon Primary School
Storage Manhole Detail

Drawing Title
Hydrobrake Manhole Detail & SW04 Details

Scale	Sheet Size		
1:20	A1		
Drawn By	Checked By	Approved By	Date
MA	SH	LB	12/10/22

Drawing Status
For Approval

Project No.	Drawing No.	Revision
2017121	005-02	A

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