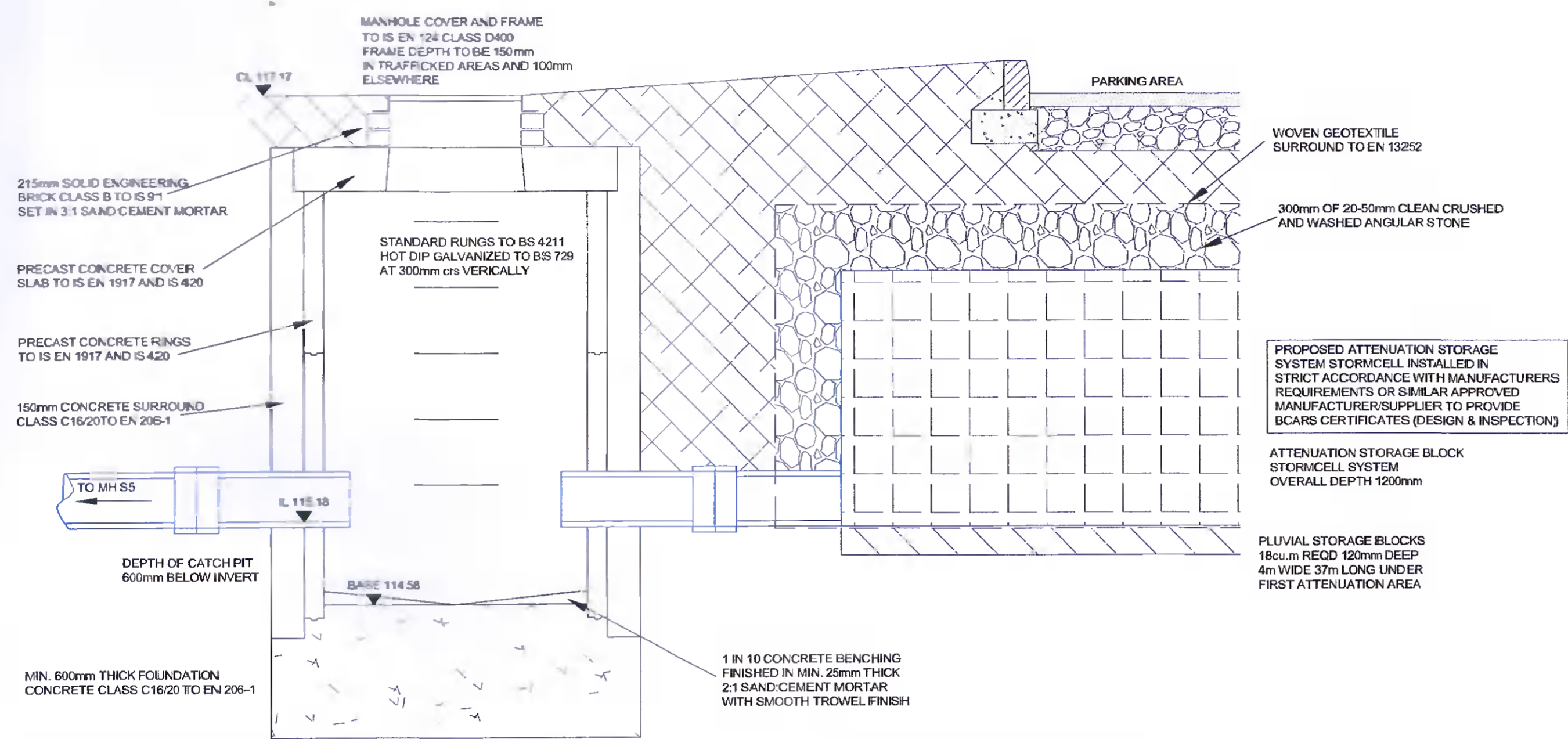
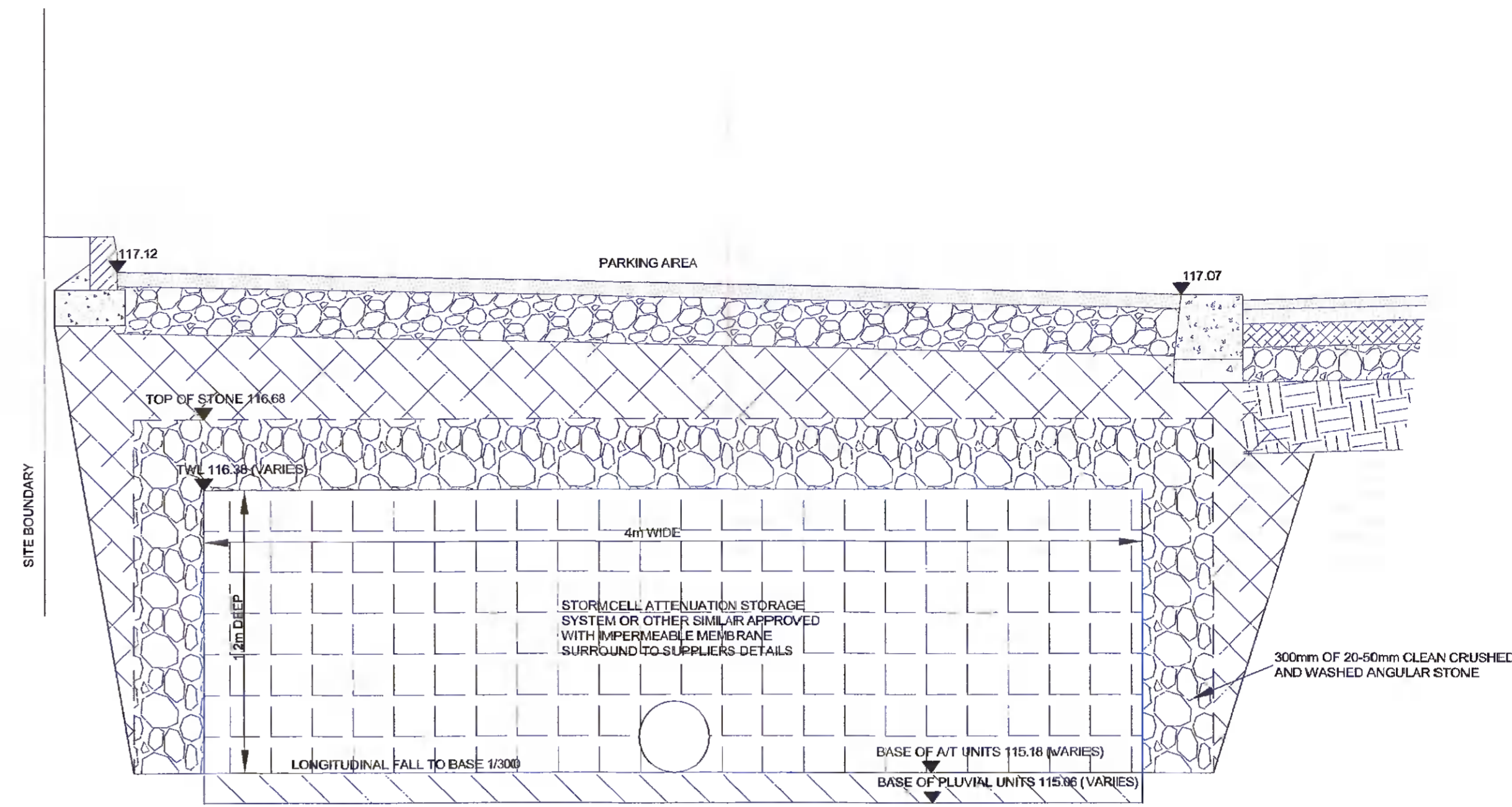


2

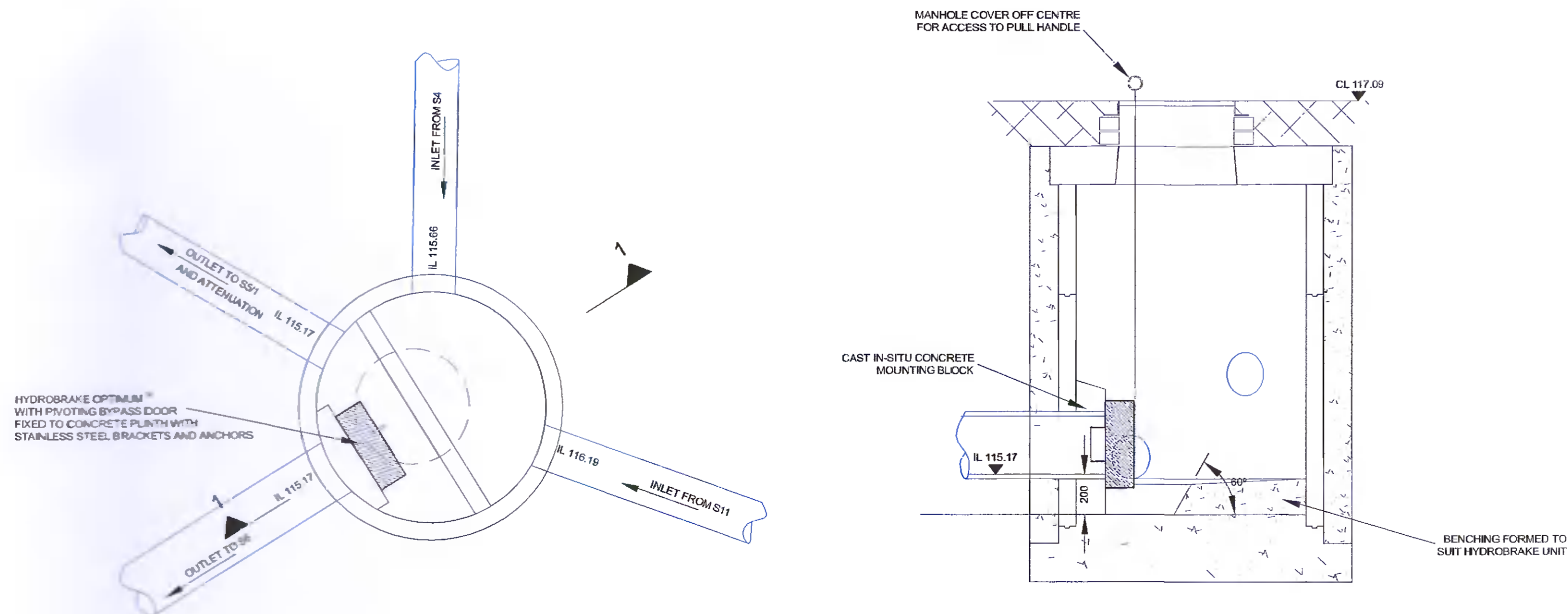


MANHOLE S5/1 CATCH PIT



SECTION 2-2 HEAD OF ATTENUATION

2



SECTION 1-1

MANHOLE S5 HYDROBRAKE

NOTES

- DO NOT SCALE FROM THIS DRAWING, USE STATED DIMENSIONS ONLY IF IN DOUBT ASK
- LEVELS REFER TO O.S DATUM MALIN HEAD
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS AND THE SPECIFICATION
- FOR ALL INLETS, OUTLETS AND BRANCHES MATCH CROWN UNLESS OTHERWISE STATED
- BLINDING CONCRETE SHALL BE CLASS C12/15 TO RN 206-1 WITH A MINIMUM DEPTH OF 150mm
- FOUNDATION CONCRETE SHALL BE CLASS C16/20 TO EN 206-1 WITH A MINIMUM THICKNESS OF 225mm
- PRECAST MANHOLE CHAMBER WALLS, COVER SLABS AND REDUCING SLABS TO BE CONSTRUCTED TO IS EN 1917 AND IS 420:2004
- FOR BEDDING AND SEALING OF CHAMBER RINGS, THE TOP RING (TO PRECAST COVER SLAB) AND BOTTOM RING TO BE BEDDED WITH CEMENT MORTAR. FOR INTERMEDIATE RINGS JOINTS TO BE SEALED WITH TYPE 2 RUBBER GASKETS AND JOINTING RINGS TO BS 2494
- PRECAST MANHOLES TO BE SURROUNDED WITH A MINIMUM OF 150mm THICK CONCRETE CLASS C16/20 TO EN 206-1
- CONCRETE TO BENCHING AND PIPE CHANNEL AND SURROUND TO BE CLASS C16/20
- BENCHING FINISHED IN MINIMUM 25mm THICK 2:1 SAND-CEMENT MORTAR WITH A SMOOTH TROWEL FINISH AT 1/30 TOWARDS THE CHANNEL
- PROVIDE AT MOST TWO COURSES OF SOLID ENGINEERING BRICKS CLASS B TO IS 91 18K3 IN 3:1 SAND-CEMENT MORTAR
- MANHOLE COVERS AND FRAMES TO BE CLASS E400 OR E600 TO IS EN 124. 150mm DEEP FRAME FOR ROADS AND 100mm DEEP FOR FOOTPATHS AND GREEN AREAS WITH NON-ROCK DESIGN, CLOSED KEYWAYS AND MANUFACTURED FROM DUCTILE CAST IRON. COVER AND FRAME COATED IN BITUMEN OR OTHER APPROVED MATERIAL. COVER TO HAVE A MINIMUM MASS OF 140kg/sq.m. FRAME BEARING SHALL BE 80,000sq.m MINIMUM. FRAMES SHALL BE DESIGNED TO PREVENT COVERS FROM FALLING INTO MANHOLES. FRAMES SHALL BE BEDDED ON APPROVED MORTAR TO MANUFACTURERS INSTRUCTIONS.
- MANHOLE COVERS, FRAMES, REGULATING COURSES AND SLAB OPES TO PROVIDE CLEAR OPENING OF 600mm WHERE DEPTH OF COVER TO CROWN OF PIPE IS GREATER THAN 2m. THE CLEAR OPENING SHALL BE 900mm.
- SAFETY CHAINS TO BE PROVIDED ON PIPES THAT EXCEED 4500mm. MILD STEEL SAFETY CHAINS SHALL BE 10mm NOMINAL SIZE GRADE M NON-CALIBRATED TYPE TT TO BS 4942
- STANDARD RUNGS SHALL BE AT 300mm c/c VERTICALLY AND GALVANIZED TO BS 729. NOTE: STEP IRONS ARE NOT ACCEPTABLE
- LADDER STRINGERS SHOULD BE ADEQUATELY SUPPORTED FROM THE MANHOLE WALLS AT INTERVALS OF NOT MORE THAN 2m. STRINGERS SHOULD BE BOLTED TO CLEATS TO FACILITATE BENEWAL
- DISTANCE FROM TOP RUNG OF LADDER TO GROUND LEVEL 500mm MAX.
- ALL LADDERS, RUNGS, HANDRAILS, SAFETY CHAINS ETC. SHALL BE HOT DIP GALVANIZED TO BS 729
- SHORT LENGTH AND PIPE JOINTS SHOULD BE 600mm FROM THE INNER FACE OF THE MANHOLE WALL
- ALL MANHOLES ARE TO BE WATER TIGHT

No.	Date	Description	By	Chk
REVISIONS				
<input type="checkbox"/> E. D. P. M. Ltd <input type="checkbox"/> Consulting Engineers, Designers & Project Managers 7 Ormerod Road Millersley Phone 056 77 23707 Fax 056 77 56486 e-mail edpmk@eircom.net				
PROJECT:				
PROPOSED DEVELOPMENT AT MAIN STREET RATHCOOLE FOR LORAT TRADING LTD				
TITLE:				
HYDROBRAKE AND ATTENUATION STORAGE DETAILS				
STATUS:	PLANNING APPLICATION	File Ref:	2021/21	
BY:	SCALE:	DATE:	DWG No:	rev
CHK:	A1 1:20	NOV 21	P-106	
			cad:	