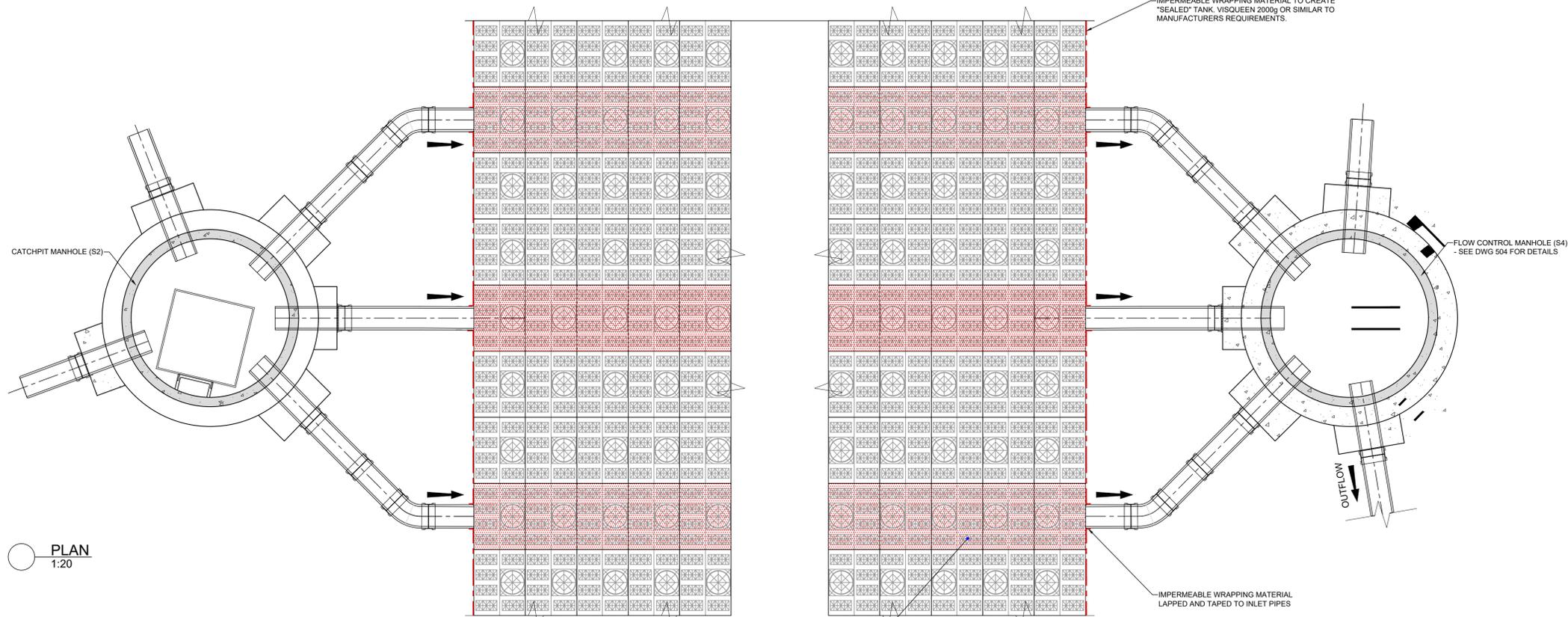


DO NOT SCALE, IF IN DOUBT ASK, DO NOT INTERROGATE CAD BASE

- GENERAL NOTES:  
 1. FOR ALL SURFACE LEVELS, COVER LEVELS AND INVERT LEVELS REFER TO SITE DRAINAGE AND EXTERNAL WORKS PLANS.  
 2. TANKS TO BE INSTALLED FULLY IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS

OPERATION AND MAINTENANCE REQUIREMENTS FOR ATTENUATION STORAGE TANKS		
MAINTENANCE SCHEDULE	REQUIRED ACTION	TYPICAL FREQUENCY
REGULAR MAINTENANCE	INSPECT & IDENTIFY ANY AREAS THAT ARE NOT OPERATING CORRECTLY. IF REQUIRED, TAKE REMEDIAL ACTION	MONTHLY FOR 3 MONTHS THEN ANNUALLY
	REMOVE DEBRIS FROM THE CATCHMENT SURFACE (WHERE IT MAY CAUSE RISK TO PERFORMANCE)	MONTHLY
	REMOVE SEDIMENT FROM PRE-TREATMENT ROAD GULLIES & SILT TRAP MANHOLE	MONTHLY FOR 3 MONTHS THEN ANNUALLY OR AS REQUIRED
REMEDIAL ACTIONS	REPAIR/REHABILITATE INLETS, OUTLETS, OVERFLOWS & VENTS	AS REQUIRED
MONITORING	INSPECT/CHECK ALL INLETS, OUTLETS, VENTS & OVERFLOWS TO ENSURE THAT THEY ARE IN GOOD CONDITION & OPERATING AS DESIGNED	ANNUALLY
	CCTV SURVEY INSIDE OF TANK FOR SEDIMENT BUILD-UP & REMOVE IF NECESSARY	AFTER CONSTRUCTION, 1 YEAR, & THEN EVERY 5 YEARS OR AS REQUIRED



600mm OF CLASS 6N GRANULAR FILL COMPACTED IN 150mm LAYERS BY LIGHT WEIGHT MAN-OPERATED PLATE COMPACTORS ONLY. BACKFILL TO BE BROUGHT UP EVENLY AROUND ALL SIDES. NO HEAVY PLANT OR STOCKPILES PERMITTED OVER OR WITHIN 3m OF CONSTRUCTED TANK.

CLEAN COVER MATERIAL REFER TO REMEDIATION STRATEGY FOR ACCEPTABLE MAKE-UP.

RED HATCH DENOTES LINE OF POLYSTORM PSM4 (O.S.A) INSPECTION UNITS

100mm VENT TO SUIT MANUFACTURERS DETAILS. LOCATED AT 2 CORNERS OF THE ATTENUATION TANK

CLASS 1 MORTAR BEDDING AND HAUNCH TO COVER AND FRAME

675mm MAX. TO FIRST STEP

MANHOLE COVER AND FRAME TO D400 BS EN 124, HAVING A 600x600 CLEAR OPENING. TO BE BEDDED ON CLASS 1 MORTAR.

AS REQUIRED: 2-4 COURSES 215 THICK SOLID CLASS B ENGINEERING BRICKWORK OR TYPE 2 PCC COVER FRAME SEATING RINGS WITH 600x600 CENTRAL ACCESS HOLE TO BE BEDDED WITH MORTAR.

ALL PRECAST CONCRETE TO BS 5911.2 & BS 8301 KITEMARKED.

REINFORCED CONCRETE COVER SLAB BEDDED ON MORTAR, PROPRIETARY BITUMEN OR RESIN MASTIC SEALANT AND TO BE KITEMARKED. COVER SLAB TO HAVE 600x600 ECCENTRIC CLEAR OPENING AS PER BS EN 1917:2002

150 THICK CONCRETE SURROUND CONSTRUCTION JOINTS SHALL NOT BE WITHIN 150mm OF A JOINT IN THE PCC RINGS.

DOUBLE WIDTH STEP IRONS TO BS 1247, SPACED @ 250mm CENTRES IN VERTICAL ALIGNMENT. STEP IRONS TO EXTEND TO LANDING/BENCHING.

BOTTOM PRECAST SECTION TO BE BUILT INTO BASE CONCRETE MIN 75mm



**PRECAST MH DETAIL (S2)**  
 (NOTE: CONSTRUCTION DETAILS AS STANDARD PCC MANHOLE.)  
 SCALE 1:25

**POLYSTORM - R MODULAR ATTENUATION CELL ARRANGEMENT.**  
 SCALE:1:25

**FLOW CONTROL MH (S3)**  
 (NOTE: REFER TO DWG.504 FOR DETAILS.)  
 SCALE 1:25

**CDM NOTES**

- ACCESS AND EGRESS TO THE SITE FROM BUSY ROAD.
- POTENTIAL GROUND INSTABILITY IN DEEP EXCAVATIONS
- NO HEAVY PLANT OR STOCK PILES PERMITTED OVER OR WITHIN 3m OF THE CONSTRUCTED TANK
- TANK TO BE FULLY PROTECTED FROM SILT AND DEBRIS INGRESS DURING CONSTRUCTION, AND TO BE INSPECTED AND MAINTAINED DURING OPERATION AS DETAILED ABOVE
- TANKS NOT DESIGNED TO RESIST UPLIFT UNTIL FULLY BACKFILLED
- EXISTING SERVICES IDENTIFIED ON SITE
- ADEQUATE SEGREGATION HOARDING REQUIRED TO SEPARATE PUBLIC FROM THE CONSTRUCTION SITE.
- ADEQUATE MEASURES REQUIRED TO CONTROL NOISE, DUST, FUMES & VIBRATION.

REFER TO DESIGNERS HAZARD ASSESSMENTS FOR FURTHER DETAILS.

REV.	DATE.	REVISION.	BY.	CHK.
-	-	FIRST ISSUE.	PH	NB
-	-	-	-	-

Euro Garages Ltd  
 Proposed PFS & Drive 'Thru' Restaurant  
 Centurion Way, Cleckheaton

Attenuation Tank Details

**Goodson Associates**  
 Tel: +44 (0)113 369 7925  
 Fax: -  
 Email: leeds@goodsons.com  
 Web: www.goodsons.com

Consulting Civil, Structural & Transportation Engineers  
 Fountain House, 4 South Parade,  
 Leeds, LS1 5QX  
 Also at Aberdeen, Edinburgh and Glasgow.

CONSTRUCTION			
DATE CREATED:	Sept. '23'	SCALE:	1:20 @ A1
CONTRACT No:	P15622	DRAWING No:	505
REV:	-	REV:	-

**SECTION**  
 1:20