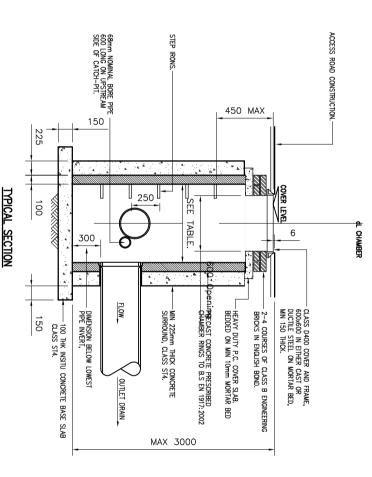
Y DUTY P.C. COVER SLAB. ED ON MIN 10mm MORTAR BED 225mm THICK CONCRETE ROUND, CLASS ST4. VENT PIPE. 600 MIN 230 FIRST JOINT TO BE AS CLOSE TO MANHOLE AS POSSIBLE. THIS SHOULD NOT EXCEED A CLEAR 100mm FROM CONC BASE AND MUST NOT BE INCASED IN THE CONCRETE BASE. PIPE JOINT WITH CHANNEL—— TO BE LOCATED 50mm INSIDE FACE OF MANHOLE. PULL HANDLE AND EYE BRACKET FOR OPERATING ROPE. 150 Mounting plate fitted where outlet pipe is—larger than the unit. CLASS M1/M2 OR EPOXY — MORTAR HAUNCHING TO MH COVER AND FRAME. MIN 200 250 TYP SECTION. PLA A_6 600 450 MAX STUB PIPES ENTERING MANHOLE SHALL BE OF A RIGID MATERIAL. Pull handle. ROCKER PIPES FOR PIPE DIAMETERS BETWEEN 150 AND 600mm TO BE 600nn LONG. STUB PIPES ENTERING MANHOLE SHALL BE OF A RIGID MATERIAL. ROCKER PIPES FOR PIPE DIAMETERS BETWEEN 150 AND 600mm TO BE 600nn LONG. CLASS D400 COVER AND FRAME, 600x600 IN EITHER CAST OR DUCTILE STEEL ON MORTAR BED, MIN 150 THICK. — PRECAST CONCRETE MANHOLE SECTIONS AND COVER SLAB TO BE BEDDED WITH MORTAR, PLASTOMERIC OR ELASTOMERIC SEAL CONFORMING, RINGS TO BE EN 1917:2002. 2-4 COURSES OF CLASS B ENGINEERING BRICKS IN ENGLISH BOND. CEMENT MORTAR FILLET. GRADE GEN 3 CONCRETE BASE SLAB (SULPHATE RESISTING). GRANOLITHIC CONC TOPPING TO BE SMOOTH FACE, NEATLY SHAPED AND FINISHED (MIN 50 THK). 150 THK P.C SEATING SLAB. 75mm BLINDING CONCRETE. CONSTRUCTION JOINT. NSITU CONCRETE MOUNTING BLOCK. REFER TO SPECIALIST SUPPLIER AND MANUFACTURER FOR FIXING AND SEALING DETAILS. ACCESS TO BE POSITIONED DIRECTLY ABOVE HYDRO—BRAKE. PIPE ENTERING HYDRO-BRAKE TO BE 150mm DIA CHAMBER TO BE LOCATED AS DETAILED WITH 1200mm DIA PC RINGS. HYDRO-BRAKE TYPE = MD4 MAX DESIGN OUTFLOW = 5 L/S. DESIGN HEAD = 1.70 NOTES FOR HYDROBRAKE : YOROBRAKE TO HAVE EYE BRACKET WID PULL HANDLE PROVIDED FOR YOUTING PYPASS DOOR OPERATING ROPE, HANDLE TO BE LOCATED BELOW AND ADJACENT JANHOLE COVER.

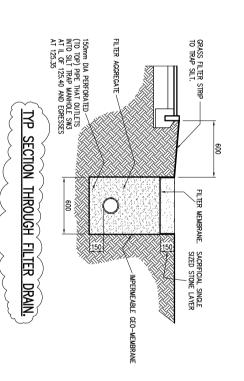


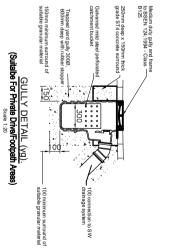
PRECAST CONCRETE CATCHPIT MANHOLE (CP) ADOPTABLE TYPE WITHIN CARRIAGEWAY.

- ADDITIONAL NOTATION:
 1. MORTAR SHALL BE DESIGNATION (1) TO S.H.W 2400 SERIES.

 2. PIPES SHALL BE GROUTED INTO CATCH-PITS WITH MORTAR.

- 3, 86mm dia Pipes, 600mm long shall be built into Catchpits to drain the sump of trenches on upstream Connections, pipes shall be positioned above any Concrete filter drain beds.
- 4. BOTH CHAMBER TOP AND STEP IRONS SHALL BE POSITIONED SO THAT ACCESS WILL ALLOW PERSONS TO FACE ONCOMING TRAFFIC.
- 5. FLEXIBLE JOINTS ADJACENT TO PIPE CONNECTIONS SHALL COMPLY WITH S.H.W 504 SERIES.
- 6. PRECAST CONCRETE CATCHPIT RINGS SHALL BE OF A TYPE MANUFACTURED TO COMPRISE SULPHATE RESISTING CEMENT TO BS 4027:1996
- 7. THE CHAMBER TOP SHALL BE SET AS DIMENSIONED BELOW THE ADJACENT :
- a) HARD SHOULDER OF HARD-STRIP AND
 b) FINISHED GROUND LEVEL IN ALL OTHER CARRIAGEWAY LÓCATIONS.
- 8. PRE-CAST CONCRETE CHAMBER RINGS SHOULD BE SEALED AND JOINTED WITH A PROPRIETARY BITUMEN. ALL RINGS SHOULD BE SULPHATE RESISTANT.





1. FOR GENERAL NOTES REFER 20-6690/300.

TO DRAWING

FOR EXTERNAL WORKS LAYOUT AND EXTENT OF SURFACE FINISHES REFER TO ARCHITECTS DRAWINGS.



FILTER DRAIN DETAIL ADDED.

BY.

CHKD.

AS KAR 11.05.20

LYSTER GRILLET & HARDING/ T.J.EVERS LTD.

NEW SPORTS HALL BUILDING TO CHANCELLOR'S SCHOOL, PINE GROVE, BROCKMANS PARK, HATFIELD, AL9 7BN.

MISCELLANEOUS DRAINAGE DETAILS — SHEET 2.

1:20

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TYPICAL HYDRO-BRAKE MANHOLE CHAMBER DETAIL

TYP ELEVATION ON HYDRO-BRAKE ORIENTATION.

Fixing lug.

Operating rope.

Pivoting by—pass door.

Sump floor.