

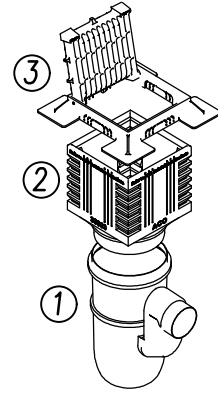
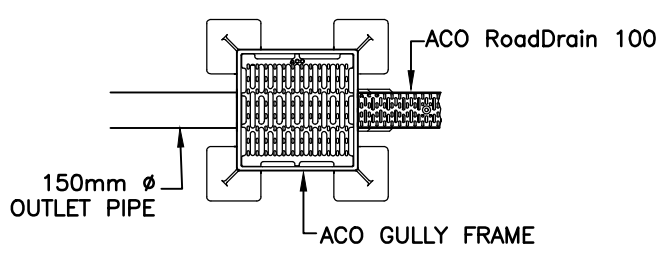
INSTALLATION NOTES:

(A): EXCAVATE A 300mm BED & SURROUND, BLIND WHERE NECESSARY. FORM CONCRETE (MIN STRENGTH CLASS C20/25) BED FOR BASE UNIT ① AND SET ON MORTAR (OR SIMILAR) LEVELLING BED.

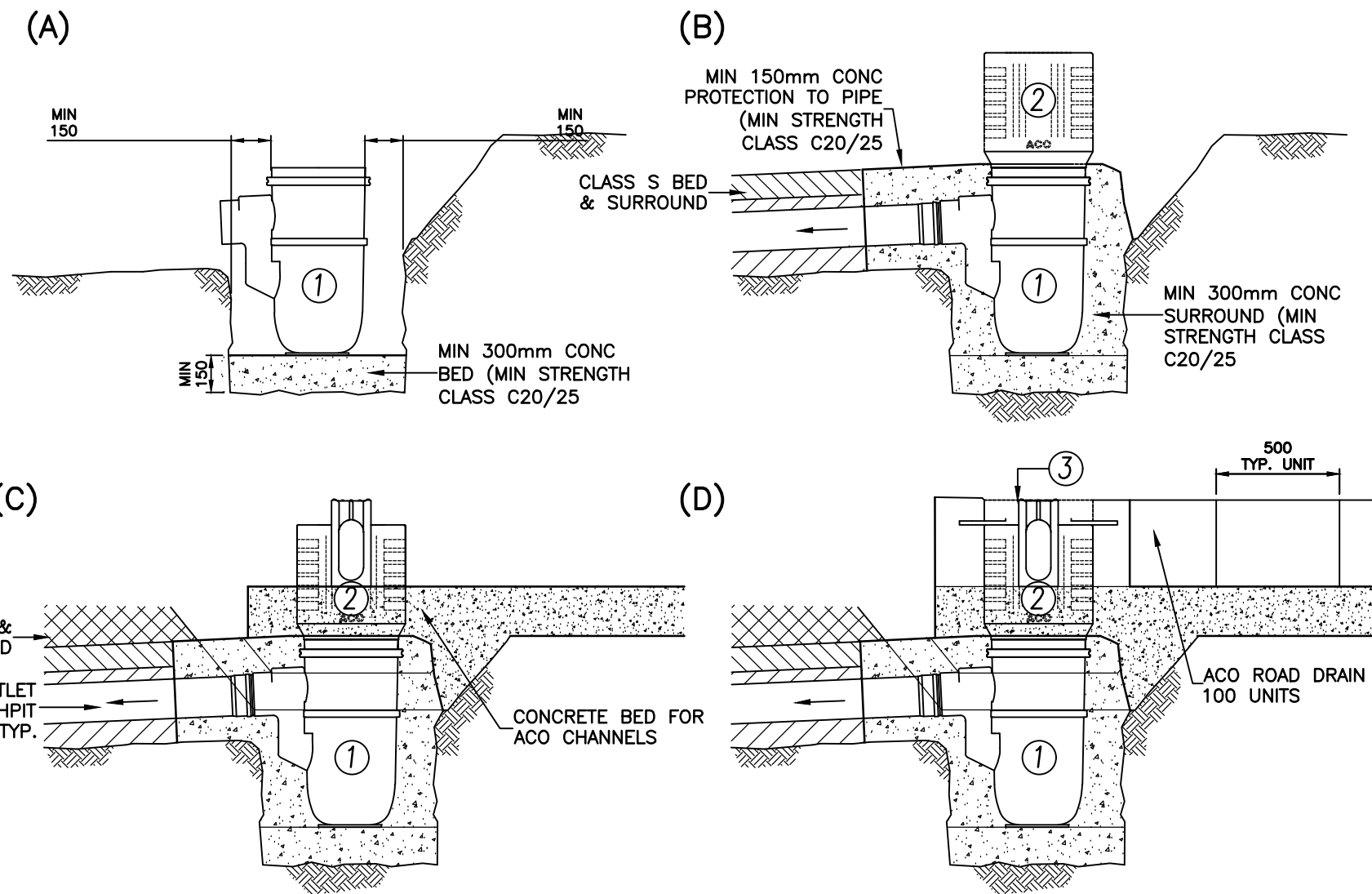
(B): MAKE PIPE CONNECTIONS AS APPROPRIATE. CONCRETE SURROUND BASE UNIT ① AND PIPES (AS SHOWN). POSITION GULLY INTERMEDIATE UNIT ② TO LEVEL.

(C): CONCRETE BED FOR CHANNELS ALLOWING LEVELLING MORTAR BED IF REQUIRED. EXTEND CONCRETE BED AROUND UNIT ②. INSTALL ACO CHANNELS (AS DETAIL) WITH TAPED EXTERNAL JOINTS AT JUNCTION OF UNIT ② AND END OF CHANNELS.

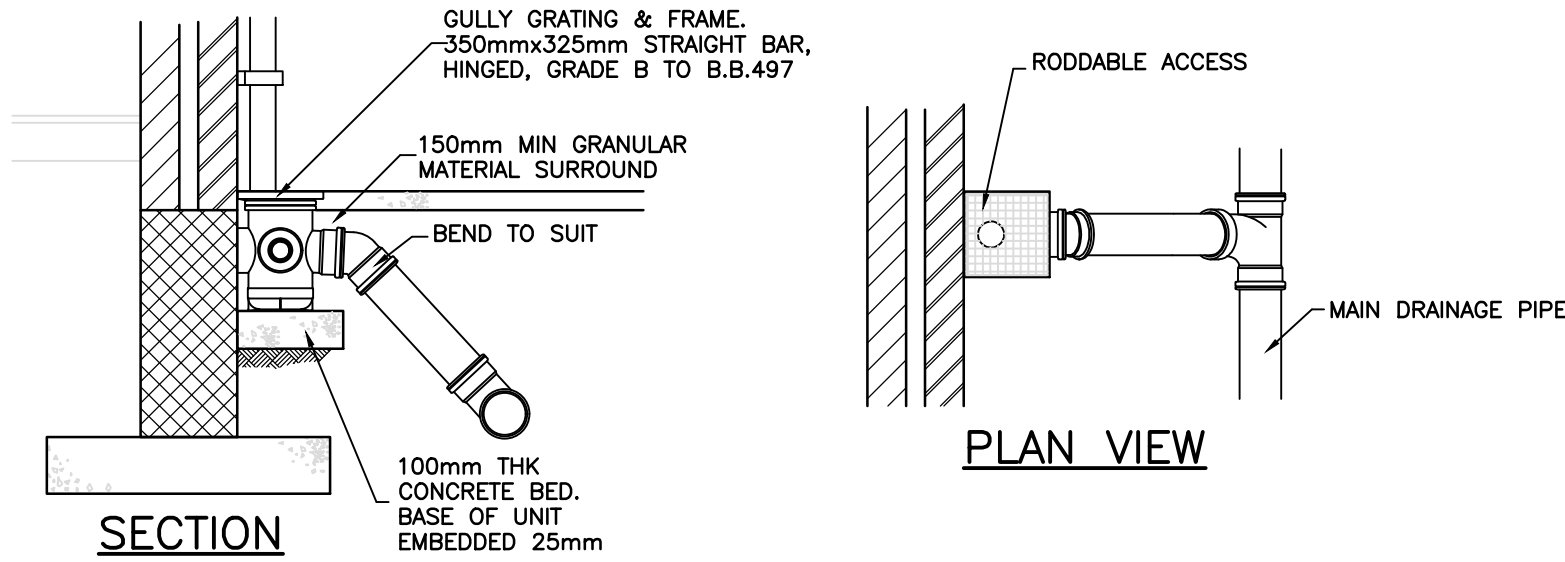
(D): COMPLETE CONCRETE SURROUND TO UNIT ② ALLOWING FOR FRAME LEVELLING BED. CUT OUT KNOCKOUTS ON GULLY FRAME ③ AND CUT PROFILE OF THE CHANNEL FROM INSIDE OF UNIT ②. INSTALL GULLY AND HAUNCH CONCRETE TO THE SIDES OF CHANNELS AS DETAIL.



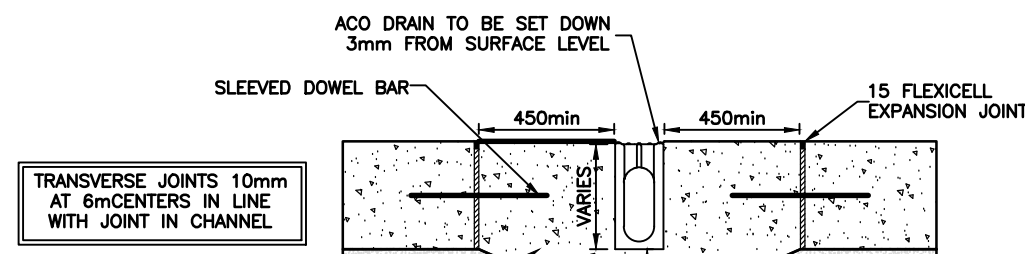
- ① – GULLY BASE UNIT. POLYETHYLENE (SUPPLIED BY ACO)
- ② – GULLY INTERMEDIATE UNIT. POLYETHYLENE
- ③ – GULLY TOP. COMPRISING OF FRAME AND GRATING



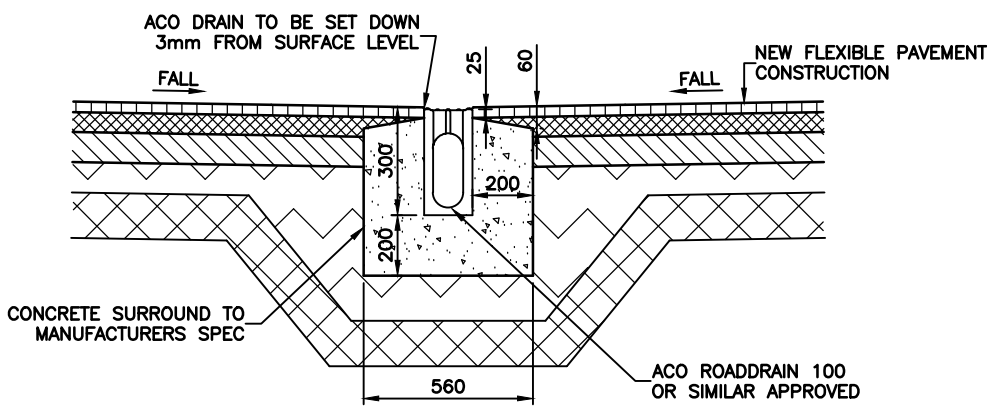
ACO UNIVERSAL GULLY INSTALLATION DETAILS
1:25



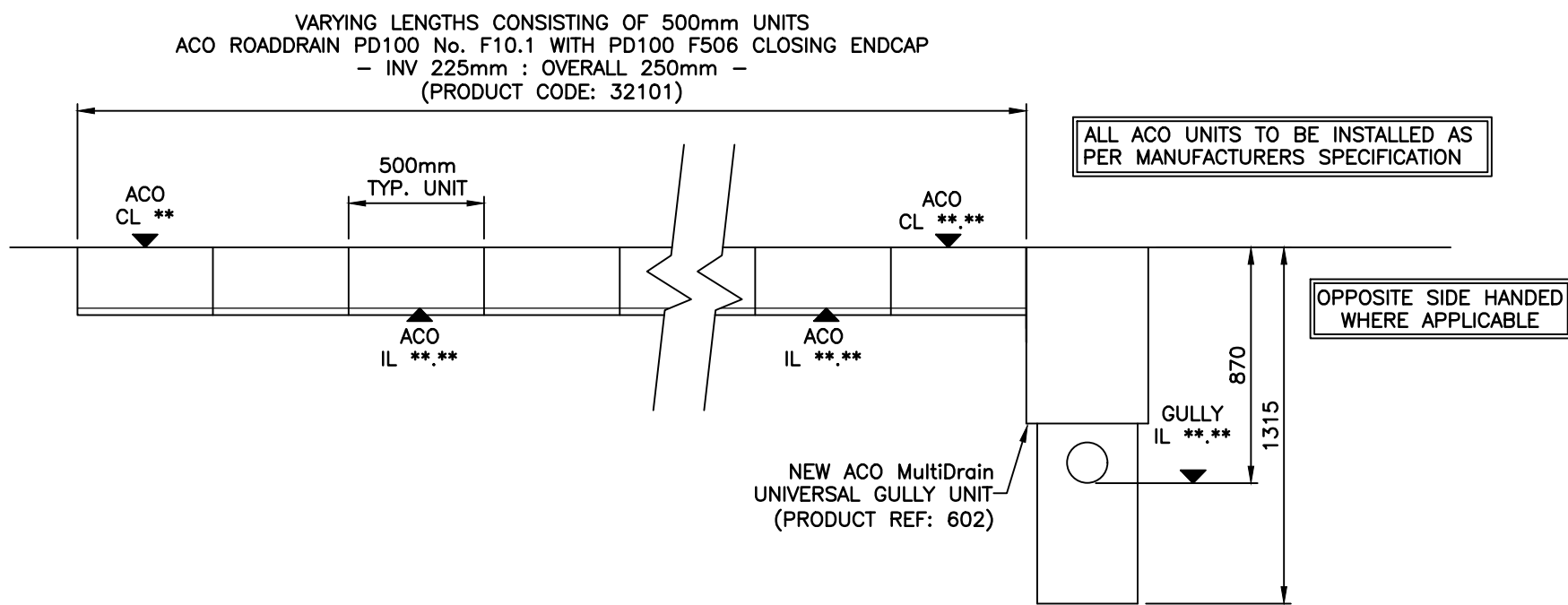
BOTTLE GULLY DETAIL– (BG)
1:20



ACO DRAIN SECTION – CONCRETE
NTS



ACO DRAIN SECTION – BLACKTOP
NTS



LINEAR DRAINAGE – ACO ROADRAIN 100
TYP. ELEVATION CONSTANT : – LEVEL GROUND SYSTEM
1:25

GENERAL NOTES:

- TEMPORARY INSTALLATION** : A CHANNEL INSTALLATION IS NOT COMPLETE UNTIL THE FINAL SURFACING IS LAID. IN ANY TEMPORARY CONDITION, I.E. WITH THE CHANNEL WALLS PROJECTING ABOVE A CONCRETE SUB-BASE, SITE TRAFFIC SHOULD NOT CROSS CHANNELS, LOOSE BOARDS, STONE FILL OR COVER PLATES WILL NOT PROTECT THE CHANNEL WALLS OR GRATING. A TEMPORARY CHANNEL CROSSING SHOULD BE FORMED USING CONCRETE RAMPS. NOTE THAT THE CHANNEL LOAD CLASS SHOULD BE ADEQUATE TO CARRY THE SITE TRAFFIC
- OVERLAY GRATING** : THE LONGITUDINAL EDGES OF AN OVERLAY GRATING, WHICH IS DESIGNED TO SIT ON TOP OF A CHANNEL, ARE NOT PROTECTED BY CHANNEL EDGE RAILS. OVERLAY GRATINGS ARE DESIGNED PRINCIPALLY FOR BLOCK OR PAVING SLAB INSTALLATIONS, INSTALLED WITHIN A FLEXIBLE/CONCRETE PAVEMENT IT IS IMPORTANT TO ENSURE THAT THE GRATING EDGES ARE ISOLATED FROM THE PAVEMENT TO FACILITATE GRATING FIXING/REMOVAL
- COVERING OR PROTECTING THE GRATING, BEFORE FINAL SURFACING IS LAID, REMOVES THE TIME, AND COST, OF CLEANING THE CHANNEL AND GRATING OF CEMENT/ASPHALT MATERIAL AND EMBEDDED STONES
- FURTHER ADVICE** : REFER TO ACO TECHNICAL AND INSTALLATION MANUALS FOR FURTHER INFORMATION AND ADVICE CONCERNING
 - A) HANDLING
 - B) HEALTH AND SAFETY
 - C) MAINTENANCE AND
 - D) DETAILED INSTALLATION GUIDANCE, ETC.ADVICE ON ANY ASPECT OF ACO CHANNEL SYSTEMS, MAY ALSO BE OBTAINED FROM ACO DRAIN TECHNICAL DEPARTMENT (TEL: 01462816666)

GENERAL NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S, ENGINEER'S AND OTHER SPECIALISTS' DRAWINGS.
- PLEASE REFER TO DATRYS DRAWING 18304/501 FOR DRAINAGE LAYOUT
- ALL CONCRETE SHALL BE GEN3 WITH SULPHATE RESISTING IN ACCORDANCE WITH BS8500 U.N.O.
- ALL GRAVITY PVC-U PIPEWORK TO BE TO BS EN 13598-1:2010 OR BS EN 1401-1:2009 WHERE RELEVANT UNLESS NOTED OTHERWISE
- DRAWING BASED ON USE OF ACCESS SYSTEMS BY HEPWORTH DRAINAGE (TEL: 08704435551). CONTRACTOR SHALL COMPLY WITH ALL MANUFACTURERS INSTALLATION INSTRUCTIONS. USE OF SIMILAR CHAMBERS BY OTHER MANUFACTURERS OF SIMILAR QUALITY IS ACCEPTABLE

NOTES FOR PIPE BEDDING & SURROUND

- BACKFILLING** TO PIPE TRENCHES BENEATH ROADS, CAR PARKING AND STRUCTURES TO BE D.O.T. TYPE 1 GRANULAR MATERIAL UP TO FORMATION LEVEL FROM THE TOP OF THE SPECIFIED PIPE SURROUND (WELL COMPACTED IN 150mm MAX LAYERS).
- OPTIMUM TRENCH WIDTH = PIPE+300mm, CONTRACTOR TO ENSURE TRENCH WALLS ARE SUITABLY PROPPED
- BACKFILL MUST NOT BE PLACED ON CONCRETE BEDDING OR SURROUND UNTIL THE CONCRETE COMPRESSIVE STRENGTH HAS REACHED 15N/mm²
- BRICKS OR BLOCKS MUST NOT BE PLACED IN THE BEDDING MORTAR FOR SETTING THE PIPES TO LEVEL
- ALL ROCKER PIPE LENGTHS : 600mm
- MAX DISTANCE FROM FACE OF CONC SURROUND TO FIRST FLEXIBLE JOINT TO BE 150mm

REV	DATE	DESCRIPTION	BY	CHK	APP

REVISIONS

CLIENT

PROJECT
Former Victoria Garage
Ruabon

TITLE
Drainage Details
Sheet 2

Carmarfon:
Unit 6 Block A, Dref Victoria
Carmarfon, LL55 1TH
Tel: 01296 671027
Head:
St Andrews Business Centre,
Queens Lane, Nabil, CF7 1XB
Tel: 01352 706205
info@datrys.coop | www.datrys.net

DRAWN	LI	CHECKED	AC	PASSED	AC
DATE	18.12.18	CLIENT'S REF.			
SCALE	AT A1	As Shown	AUTOCAD REF.	18304/001	
DRAWING No.	18304/503	REVISION			