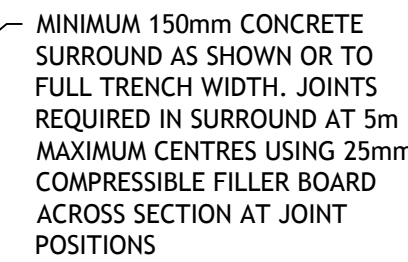


B.S. 410 TEST SIEVE	PERCENTAGE BY MASS PASSING			
	TYPE A40	TYPE A20	TYPE A14	TYPE A10
63mm	100	-	-	-
37.5mm	85-100	100	-	-
20mm	0-25	85-100	100	-
14mm	-	-	85-100	100
10mm	0-5	0-25	0-50	85-100
5mm	-	0-5	0-10	0-25
2.36mm	-	-	-	0-5

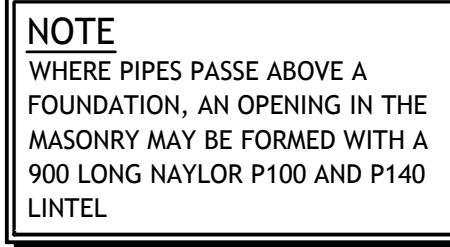
PIPE BEDDING MATERIAL	
NOMINAL PIPE SIZE mm	BEDDING MATERIAL
LESS THAN 300	A10
300 - 525	A14

TRENCH WIDTHS	
MAXIMUM TRENCH WIDTHS	
PIPE Ø	WIDTH
100	550
150	600
225	700
300	750
375	1050

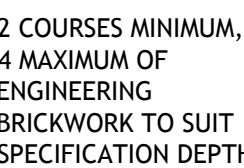


	TYPE A GRANULAR BEDDING BEDDING
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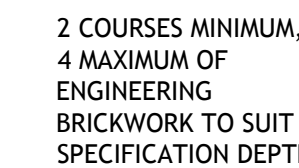
WHERE COVER LESS THAN 1.2m
UNLESS AGREED OTHERWISE WITH BUILDING CONTROL
SCALE 1:20



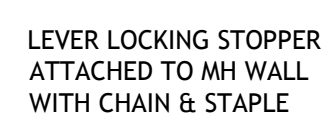
(CLOSE TO WALL)
ALL DRAINAGE BENEATH THE SLAB IS TO BE
ENCASED IN A MINIMUM OF 150mm CONCRETE
SCALE 1:20



SCALE 1:20



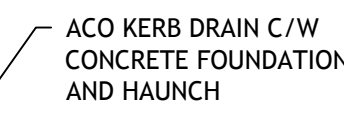
SCALE 1:20



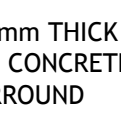
SCALE 1:20



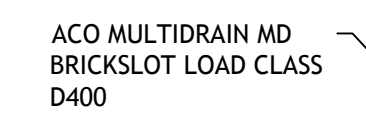
CONDENSATE DETAIL
ALL DRAINAGE BENEATH THE SLAB IS TO BE
ENCASED IN A MINIMUM OF 150mm CONCRETE
SCALE 1:20



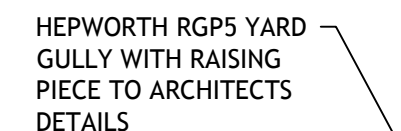
SCALE 1:20



SCALE 1:20



SCALE 1:20



FLOOR GULLY DETAIL
GULLY GRATING DETAIL TO BE
TAKEN FROM HARRIS PARTNERSHIP DRAWINGS
SCALE 1:20



TYPICAL SLAB EDGE DETAIL
SHOWING CONCRETE SURROUND
SCALE 1:20

- GENERAL**
- ALL DRAWINGS TO BE READ IN CONJUNCTION WITH THE SPECIFICATION
- ALL DRAWINGS TO BE READ IN CONJUNCTION WITH THE RELEVANT ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE IN METRES RELATIVE TO ORDNANCE DATUM.
- ALL DIMENSIONS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION
- DRAINAGE**
- THIS DRAWING USES THE ARCHITECTURAL DRAWING AS A BACKGROUND. THE CONTRACTOR SHOULD USE ARCHITECTURAL DRAWINGS FOR SETTING OUT OF ALL POP-UPS AND ABOVE GROUND DRAINAGE POSITIONS.
- REFERENCE SHOULD BE MADE TO ALL OTHER DRAINAGE DRAWINGS PROVIDED BY SWF CONSULTING WHICH GIVES CONSTRUCTION DETAILS.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE DRAINAGE SPECIFICATION PREPARED FOR THIS PROJECT.
- THE DESIGN OF THE PIPES HAS BEEN BASED ON CLAYWARE. HOWEVER, SUBJECT TO WRITTEN CONSENT FROM SWF CONSULTING, OTHER MATERIALS MAY BE USED.
- THE EXACT LOCATION OF THE OUTFALL PIPE/MANHOLE IS TO BE CHECKED AND CONFIRMED TO SWF CONSULTING PRIOR TO COMMENCEMENT OF ANY DRAINAGE WORKS.
- REFERENCE SHOULD BE MADE TO ANY CCTV SURVEY, SEWER RECORDS WHICH INDICATE THE EXISTING DRAINAGE SYSTEMS.
- ON COMPLETION OF THE CONTRACT, THE PIPES SHALL BE JET CLEANED TO REMOVE ANY SILT OR CONSTRUCTION DEBRIS AND A CCTV SURVEY SHOULD BE UNDERTAKEN .
- ONCE THE AS-BUILT SURVEY HAS BEEN COMPLETED A COPY OF THE SURVEY LOGS SHOULD BE ISSUED TO SWF CONSULTING TOGETHER WITH THE VIDEO FOOTAGE FOR THEIR COMMENT WITH DUPLICATE COPIES BEING ISSUED TO THE CDM CO-ORDINATOR FOR INCLUSION IN THE HEALTH & SAFETY FILES.
- COVER LEVELS ARE INDICATIVE AND MAY NEED TO BE ADJUSTED TO SUIT THE ACTUAL FINISHED LEVELS OF THE EXTERNAL AREAS.
- GRADIENTS INDICATED ON PIPES ARE MINIMUM GRADIENTS REQUIRED. HOWEVER, MANHOLE INVERT LEVELS ARE TO TAKE PRECEDENCE OVER THESE GRADIENTS.
- POSITIONS OF MANHOLES, GULLYS AND DRAINAGE ARE TO BE SET OUT BY THE CONTRACTOR TO AVOID WHITE LINING DELINEATING CAR PARKING AREAS, KERB LINES ETC.

CL	- COVER LEVEL
IL	- INVERT LEVEL
G	- GULLY
RE	- RODDING EYE
SVP	- SOIL & VENT PIPE/ STUB STACK
C	- CONDENSATE DRAIN
FC	- FUTURE CONDENSATE

P1	07/11/18	ISSUED FOR INFORMATION	SH	PSS
Rev	Date	Description	By	Chkd

Project
COSTA COFFEE - NEW DRIVE THRU
PARK ROAD
RUABON

Client
THE HARRIS PARTNERSHIP

Job No.	Drawing No.	Revision	Scale 1: 20	UNO @ A
8951/D/402	P1		Date OCT 2018	
		By SH	A1	
		Chkd PSS		

Drawing Title
DRAINAGE
GENERAL ARRANGEMENT OF
DRAINAGE DETAILS

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PRELIMINARY