

DO NOT SCALE FROM ENGINEERS DRAWINGS.

COMMENCES.

ANY DISCREPANCIES BETWEEN DRAWINGS, SKETCHES,

VERBAL INSTRUCTIONS AND SITE CONDITIONS TO BE

REFERRED TO THE DESIGN TEAM BEFORE WORK

PLUS ARCHITECTURE

Architect:

Contractor:

M&E Designer:

REVISION SCHEDULE						
REV. NO.	REV. DESCRIPTION	F	REV. DATE	DRAWN	CHECKED	
PL1	ISSUED FOR PLANNING	(07/02/2019	TGB	KO'M	

- 1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECT'S DRAWINGS.FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF
- 2. CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK
- GRAVELS IN (ii) OR (iii) CAN BE EITHER ROUNDER OR ANGULAR BUT WITH GOOD SELF

B. GRANULAR SURR	GRANULAR SURROUND & COVER FOR PIPES TO BE AS FOLLOWS:							
TABLE 5/3 GRANULAR MATERIALS TO BS882								
NOMINIAL PIPE	AGGREGATE	NOMINAL MAXIMU						

NOMINAL PIPE PIPE DIA. (mm)	AGGREGATE TYPE	NOMINAL MAXIMUM AGGREGATE SIZE (mm)	
NOT	SINGLE SIZED	10	
EXCEEDING 140	GRADED	-	
EXCEEDING 140 BUT NOT	SINGLE SIZED	10, 14 OR 20	
EXCEEDING 400	GRADED	20 TO 5 OR 14 TO 5	
EXCEEDING 400	SINGLE SIZED	10, 14, 20 OR 40	
EXCEEDING 400	GRADED	14 TO 5, 20 TO 5 OR 40 TO 5	

(i) BACKFILL UNDER FOOTPATH / CYCLEPATH / GRASS VERGE TO BE SELECTED BACKFILL TO NRA SPECIFICATION FOR ROAD WORKS CLAUSE 601, TABLE 6/1 CLASS 2C MATERIAL. (ii) BACKFILL UNDER CARRIAGEWAYS TO BE SELECTED GRANULAR MATERIAL TO NRA SPECIFICATION FOR ROADWORKS CLAUSE 601, TABLE 6/1 CLASS 6F1 OR 6F2 MATERIAL.

ALL PIPEWORK SHALL HAVE A 400mm WIDE WATER WARNING MESH - PLYAGE HR 40D BLUE POLYETHYLENE WARNING MESH OR SIMILAR - WITH TRACER WIRE LAID DIRECTLY OVER CENTRELINE OF THE PIPELINE AND TIED TO VALVES AT A DEPT OF 350mm BELOW THE FINISHED

ALL WATERMAINS SHOULD BE HYDRAULICALLY TESTED AFTER LAYING, FOR A PERIOD OF 24 HOURS, AT A TEST PRESSURE OF 1.5 TIMES THE SPECIFIED CLASS PRESSURE (13.5 BAR.) THE PIPELINE SHOULD BE ADEQUATELY ANCHORED OR RESTRAINED, DURING THE TEST. A TEST PUMP, WITH STOPCOCK, WATER TANK AND PRESSURE GAUGE, IS CONNECTED TO THE WATERMAIN AND OPERATED UNTIL THE GAUGE SHOWS THE REQUIRED TEST PRESSURE. (IF IT IS CONSIDERED NECESSARY. THE CALIBRATION OF THE PRESSURE GAUGE SHOULD BE VALIDATED JUST PRIOR TO THE TEST.) THE AMOUNT OF WATER IN THE TANK IS NOTED AT THE BEGINNING OF THE TEST PERIOD. AN HOUR LATER, GAUGE PRESSURE IS INSPECTED AND IF IT HAS FALLEN, TEST PRESSURE IS RESTORED BY MEANS OF A PUMP. THIS PROCESS IS REPEATED AT HOURLY INTERVALS, DURING THE TEST PERIOD. THE TOTAL QUANTITY OF WATER PUMPED TO MAINTAIN THE PRESSURE DURING THE TEST IS TERMED THE "APPARENT

THE APPARENT LEAKAGE SHOULD NOT NORMALLY EXCEED 0.11 LITRES, PER MILLIMETER OF NOMINAL PIPE DIAMETER, PER KILOMETER OF LENGTH, PER 24 HOURS. A REPRESENTATIVE OF DROGHEDA BOROUGH COUNCIL TO BE PRESENT DURING TESTING.

ALL MAINS SHALL BE SWABBED AND DISINFECTED BEFORE BEING PUT IN TO SUPPLY. THE PIPELINES SHALL BE DISINFECTED WITH WATER HAVING A MINIMUM CONCENTRATION OF 20mg/l

THE CHLORINATED WATER SHALL BE LEFT IN THE MAIN FOR A PERIOD OF AT LEAST 24 HOURS. CHLORINE RESIDUAL TESTS SHALL BE TAKEN AT THE END OF THE MAIN FURTHEST FROM THE POINT OF INJECTION. THE STERILISATION PROCESS SHALL BE REPEATED IF THE CHLORINE RESIDUAL IS LESS THAN 10mg/l. THE CHLORINATED WATER SHALL BE DISCHARGED INTO FOUL

BACTERIOLOGICAL ANALYSIS. GREAT CARE SHALL BE TAKEN WHEN OBTAINING SAMPLES FOR TESTING AND ONLY STERILE CONTAINERS SHALL BE USED. THIS SAMPLING SHALL BE CARRIED OUT IN THE PRESENCE OF A REPRESENTATIVE OF DROGHEDA BOROUGH COUNCIL. SAMPLES

INCORPORATE A SCREW-DOWN VALVE, UNDERGROUND "GUIDE IN HEAD" TYPE WITH BAYONET LUG OUTLETS AND FALSE SPINDLE CAP, ALL TO DROGHEDA BOROUGH COUNCILS APPROVAL. THE HYDRANT VALVE SHALL BE ANTI-CLOCKWISE OPENING.

SLUICE VALVES SHALL BE MANUFACTURED IN ACCORDANCE WITH BS 5163:1986. THEY SHALL BE DOUBLE FLANGED; DUCTILE IRON RESILIENT SEAL GATE VALVES, ALL TO DROGHEDA BOROUGH COUNCILS APPROVAL. SLUICE VALVES SHALL BE ANTI-CLOCKWISE CLOSING.

THE LOCATION OF HYDRANTS, AIR VALVES AND SLUICE VALVES SHOULD BE SHOWN BY INDICATOR PLATES POSITIONED TO THE APPROVAL OF THE LOCAL AUTHORITY. HYDRANT PLATES SHOULD COMPLY WITH THE REQUIREMENTS OF BS3251. THEY SHOULD SHOW THE DIAMETER OF THE WATERMAIN IN MILLIMETERS ON THE UPPER PART OF THE PLATE AND THE DISTANCE OF THE MARKER FROM THE HYDRANT ON THE LOWER PART OF THE PLATE. ALL CHARACTERS SHOULD BE BLACK AND THE REMAINDER OF THE FRONT FACE SHOULD

INDICATOR PLATES MAY BE FIXED TO SOLID BOUNDARY WALLS. WHERE MARKER POSTS ARE

PL1

Tel: +353 1 661 1100 Project Number Scale: e-mail: info@cora.ie CHIVERS SITE **CONSULTING ENGINEERS** A.S. @ A1 1753 Web: www.cora.ie Drawing Title: |Discipline:|Drawing No: | Stage: | Revision: Project: Originator: Zone: Type: STANDARD DRAINAGE DETAILS CHV CORA XX ZZ DR SHEET 4