

SCALE 1:25 @ A1 JOB NO. **18-059** DRG. NO. **P1210** REVISION A DATE NOV 18'

PUBLIC SURFACE WATER DRAINAGE CONSTRUCTION DETAILS

Waterman Moylan

STATUS

FOR PLANNING NOT FOR CONSTRUCTION

REV. DATE

AMENDMENT

DRN APPD

PJD

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12/ 08/ REVISED FOR FINAL SUBMISSION

**Engineering Consultants BYRNE ROAD** 

BLOCK S, EASTPOINT BUSINESS PARK, ALFIE DUBLIN D03 H3F4 IRELAND. Tel: (01) 664 8900 Fax: (01) 661 3618 Email: info@waterman-moylan.ie www.waterman

GERARD GANNON PROPERTIES

TITLE CLIENT PROJECT ARCHITECT CONROY CROWE KELLY CLONGRIFFIN SHD APPLICATION 1

DESIGNED **PJD** APPROVED **MD**  1. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.

PIPE TYPES — FOR TAKING IN CHARGE CONCRETE SEWER PIPES WITH SPIGOT AND SOCKET JOINTS AND RUBBER RINGS FITTING TO IS 6:1974 CLASS M OR CLASS H.
CONCRETE BED AND SURROUND SHALL BE USED ON ALL PIPES WHERE COVER TO THE SOFFIT OF THE PIPE IS LESS THAN 1.2m IN ROADS, FOOTPATHS AND GRASS MARGINS AND 0.9m IN OPEN SPACES AND FIELDS

ALL PIPE TRENCHES / EXCAVATIONS SHALL BE BACKFILLED AND COMPACTED STRICTLY IN ACCORDANCE WITH REQUIREMENTS OF CLAUSE 505, DEPARTMENT OF THE ENVIRONMENT, SPECIFICATION FOR ROAD WOLDS.

ALL CONCRETE FOR PIPE BEDDING, HAUNCHING AND SUI SHALL BE GRADE 20N/20 UNLESS OTHERWISE STATED.

FOR SURFACE WATER MANHOLES HIGH DENSITY BLOCKS TO CL S10 OF IS.20 PART 1 : 1987 OR CL 30/20 INSITU CONCRETE.

PREFORMED HALF CIRCLE CHANNEL PIPES. THE PIPELINE MAY WHERE PRACTICABLE, BE LAID THROUGH THE MANHOLE AND THE CROWN CUT OUT TO HALF DIAMETER, PROVIDED FLEXIBLE JOINTS ARE SITUATED ON EACH SIDE NO FURTHER THAN 600mm FROM THE INNER FACE OF MANHOLE WALL.

BLOCKWORK SHALL BE BEDDED AND JOINTED USING MORTAR DESIGNATION 3 TO 1.S.406. BEDS AND VERTICAL JOINTS SHALL BE COMPLETELY FILLED WITH MORTAR AS THE BLOCKS ARE LAID.

BENCHING FINISHED IN 2:1 SAND—CEMENT MORTAR WITH A SMOOTH TROWEL FINISH, LEVEL WITH PIPE SOFFIT AT 1 IN 30 SLOPE TOWARDS CHANNEL STANDARD RUNGS AT 300c/c VERTICALLY AND GALVANISED TO BS 729. FOR MANHOLE DEEPER THAN 1m.

600mm SQUARE OPE IN ROOF SLAB POSITIONED OVER RUNG/LADDER POSITION

00mm THICK PRECAST R.C. ROOF SLAB IN CL 30/20 CONCRETE, COVER OSITION.

ALL WORKS SHALL BE CONSTRUCTED STRICTLY IN ACCORDANCE WITH THE REQUIREMENTS OF DUBLIN CITY COUNCIL (WEBSITE www.dublincity.ie) GRANULAR FILL SHALL COMPLY WITH CLAUSE 808 COMPACTED IN 150mm LAYERS UNLESS OTHERWISE SPECIFIED BY THE ROADS MAINTENANCE ENGINEER.