

BITUMINUS SEAL
HEAVY DUTY GULLY GRATING & FRAME
TO IS EN 124 CLASS D400. GRATING
SHOWN FROM KILLESHAL REF D/400

MORTAR FILLET
2 COURSES MAX CLASS A ENGINEERING
BRICKWORK.
100 THICK GULLY RISER
150 DIA OUTLET PIPE WITH 150 THICK
CONCRETE SURROUND

PRECAST CONCRETE RECTANGULAR
GULLY POT TO BS 5911. GULLY SHOWN
FROM KILLESHAL REF G/1.

150 THICK ST4 CONCRETE BED AND

SURROUND.

SECTION A - A

SECTION B - B

PLAN

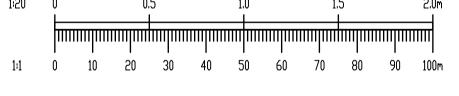
PRECAST ROAD GULLY DETAIL

## NOTES:

- 1. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
- 2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.
- 3. TYPE A GRANULAR FILL SHALL CONSIST OF WASHED PEA GRAVEL. ALL MATERIAL SHALL PASS A 19mm B.S. TEST SIEVE AND SHALL BE RETAINED BY A 4.75mm B.S. TEST SIEVE.
- 4. SELECTED FILL SHALL SHALL BE FREE FROM STONES GREATER THAN 25mm IN SIZE, BUILDERS RUBBISH VEGETABLE MATTER AND LUMPS OF CLAY GREATER THAN 75mm IN SIZE AND SHALL BE COMPACTED IN 150mm LAYERS.
- 5. IN OPEN SPACES BACKFILL SHALL CONSIST OF SUITABLE SELECTED EXCAVATED MATERIAL. UNDER PAVED AREAS BACKFILL SHALL CONSIST OF SUITABLE APPROVED GRANULAR FILL. GENERAL BACKFILL SHALL BE COMPACTED IN LAYERS NOT EXCEEDING 300mm THICK.
- 6. 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
- 7. ALL CONCRETE FOR PIPE BEDDING, HAUNCHING AND SURROUNDS SHALL BE GRADE 20N/20.
- 8. ALL PIPE TRENCHES / EXCAVATIONS SHALL BE BACKFILLED AND COMPACTED STRICTLY IN ACCORDANCE WITH REQUIREMENTS OF CLAUSE 505, DEPARTMENT OF THE ENVIRONMENT, SPECIFICATION FOR ROAD WORKS.
- CLASS H PIPES TO BE USED ON CLASS B BEDDING WITH BEDDING FACTOR OF 1.9. APPROVAL MUST BE OBTAINED FROM THE ENGINEER FOR USE OF PIPES WITH A LOWER STRENGTH CLASS.
- 10. ALL MANHOLES SHALL BE WATERTIGHT TO THE
- SATISFACTION OF THE ENGINEER.

  11. FORMWORK TO REINFORCED CONCRETE AND MASS
- CONCRETE SHALL BE CLASS F2.
- CLASS U2 FINISH TO THE TOP OF SLABS.
   REINFORCEMENT TO SLABS TO ENGINEERS DETAILS.
- 13. 200mm THICK CL. 30/20 MASS CONCRETE FOUNDATIONS. 225THK. PRE CAST R.C. ROOF SLAB IN CL 30/20 CONCRETE. COVER TO STEEL TO BE 40mm.
- 14. TOE HOLES TO BE PROVIDED IN BENCHING OF SEWERS GREATER THAN 450mm DIAMETER FOR ACCESS TO INVERT. SAFETY CHAIN ON SEWERS 600mm. DIAM. OR GREATER MILD STEEL SAFETY CHAIN SHALL BE 10mm. NOMINAL SIZE GRADE M(H) NON CALIBRATED CHAIN, TYPE 1, COMPLYING WITH BS4942 PART 2.
- 15. WHEN DEPTH OF MANHOLES TO INVERT IS GREATER THAN 3.5M, LADDERS SHALL BE USED INSTEAD OF RUNGS. FIXED LADDERS SHOULD MEET THE DIMENSIONAL REQUIREMENTS OF BS4211 EXCEPT THAT STRINGERS SHOULD NOT BE LESS THAN 65 X 20mm IN SECTION AND RUNGS 25mm IN DIAMETER.
- 16. LADDER STRINGERS SHOULD BE ADEQUATELY SUPPORTED FROM THE MANHOLE WALL AT INTERVALS OF NOT MORE THAN 3.0m STRINGERS SHOULD BE BOLTED TO CLEATS TO FACILITATE RENEWAL.
- 15. ALL LADDERS, RUNGS, HANDRAILS, SAFETY CHAIN, ETC. SHALL BE HOT DIPPED GALVANISED TO BS729.

NOTE:— ALL DRAINAGE WORKS IN PUBLIC AREAS SHALL BE CONSTRUCTED STRICTLY IN ACCORDANCE WITH THE COUNCILS REQUIREMENTS FOR TAKING IN CHARGE



REV. DATE AMENDMENT DRN APPD

## FOR PLANNING ONLY NOT FOR CONSTRUCTION



SLOTS AT RIGHT ANGLES TO KERB FACE

150 DIA OUTLET PIPE WITH 150 THICK

HEAVY DUTY GULLY GRATING & FRAME

TO IS EN 124 CLASS D400. GRATING

SHOWN FROM KILLESHAL REF D/400

2 COURSES CLASS A ENGINEERING

150 DIA OUTLET PIPE WITH 150 THICK

GULLY POT TO BS 5911. GULLY SHOWN

PRECAST CONCRETE RECTANGULAR

150 THICK ST4 CONCRETE BED AND

CONCRETE SURROUND

CARRIAGEWAY SURFACE

CONCRETE SURROUND

FROM KILLESHAL REF G/1.

KERB FACE

BRICKWORK.

SURROUND.

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CLIENT GERARD GANNON PROPERTIES

ARCHITECT CONNOLLY ARCHITECTS

PROJECT

LANDS AT KILNAHUE & GOREY HILL, GOREY

TITLE

TYPICAL SURFACE WATER DRAINAGE CONSTRUCTION DETAILS SHEET 2 OF 2

DRAWN PJD

DRAWN DESIGNED APPROVED MD

MARCH 2022

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DRG. NO.

REVISION

SECTION A-A

OF HYDROBRAKE MANHOLE

LADDER ---

1200x600 CLEAR

OPENING OUTLINE

CONCRETE MOUNTING

- CONCRETE SURROUND

**HYDROBRAKE** 

FOR HYDROBRAKE TO BE FLAT