PROPOSED SITE LOCATION AREAL MAP

2023 Microsoft Corporation © 2023 Maxar ©CNES (2023) Distribution Airbus DS

SCALE 1:1000

This drawing should not be scaled. Dimensions to be verified on site.

Any discrepancies should be referred to the Engineer prior to work being put in hand.

This drawing is the property of Waterman Moylan Consulting Engineers Limited and is issued on the condition that it is not copied, reproduced, retained or disclosed to any unauthorized person, either wholly or in part without the consent in writing of Waterman Moylan Consulting Engineers Limited

Block S East Point Business Park Dublin D03 H3F4 Ireland t +353 1 664 8900 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.

SITE LAYOUT TO BE READ IN CONJUNCTION WITH ENGINEERS DRAWINGS

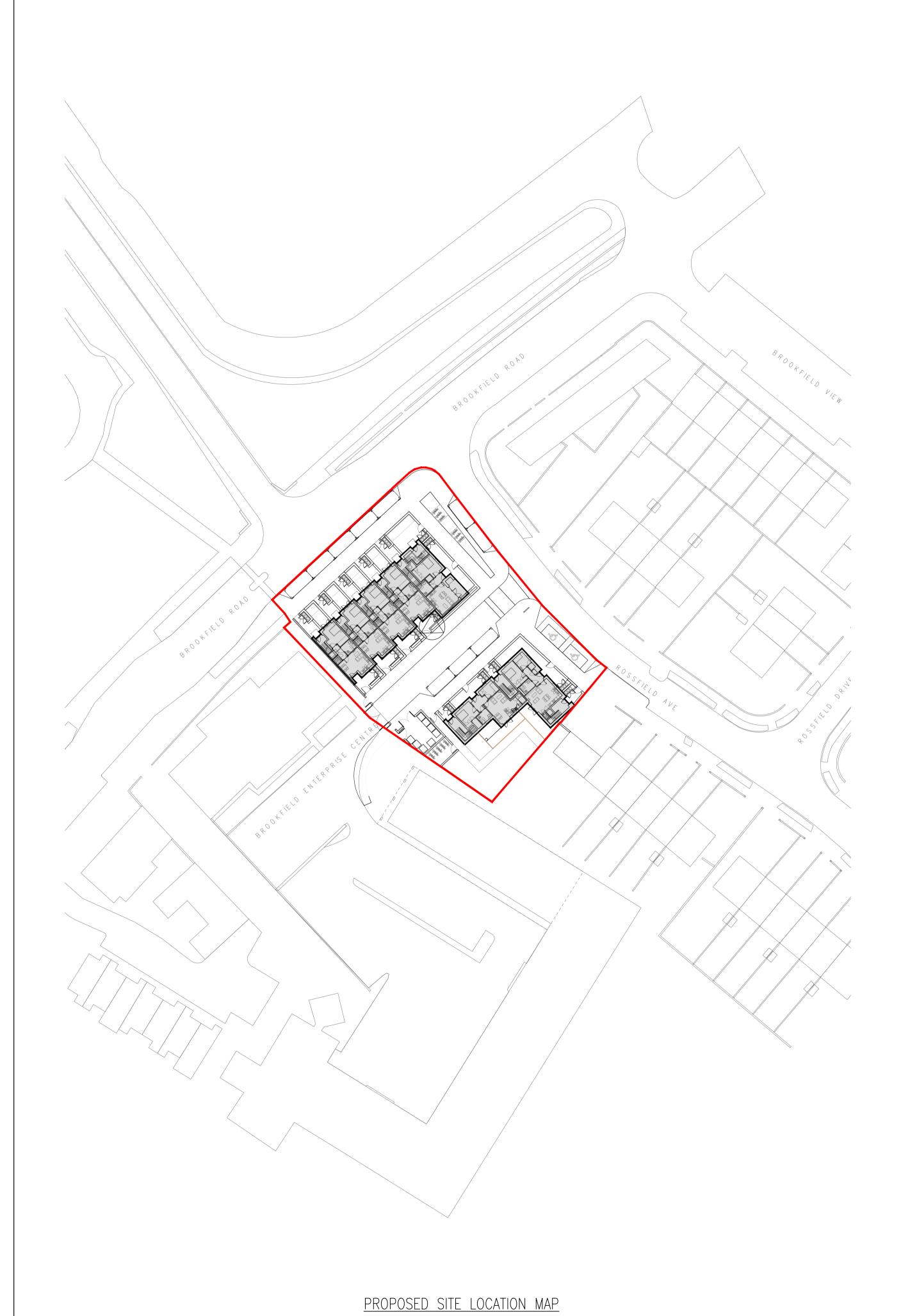
PROPOSED SITE LOCATION MAP

SOUTH DUBLIN CITY COUNCIL



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

| Status | PLANNING | G | |
|------------------------|-----------------------------|--------------|----------|
| Designed By JB | Approved W | Waterman Ref | 23-044 |
| Drawn By MS | DEC. 2023 | Scales @ A1 | AS SHOWN |
| Project - Originator - | Volume - Level - Type - Rol | e - Number | Revision |
| BRED - WMC- | 77 -00 - GA -1 | P - 0010 | P01 |



SCALE 1:500

This drawing should not be scaled. Dimensions to be verified on site.

Any discrepancies should be referred to the Engineer prior to work being put in hand.

This drawing is the property of Waterman Moylan Consulting Engineers Limited and is issued on the condition that it is not copied, reproduced, retained or disclosed to any unauthorized person, either wholly or in part without the consent in writing of

Waterman Moylan Consulting Engineers Limited
Block S East Point Business Park Dublin D03 H3F4 Ireland t +353 1 664 8900

NOTES:

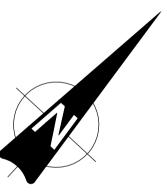
- 1. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.

-- PROPOSED SITE BOUNDARY PROPOSED ROAD LEVELS, GRADIENT AND CHAINAGE

PROPOSED SIGNAGE POLE

PROPOSED TACTILE PAVING

PROPOSED RAMP, WITH ASPHALT/ CONCRETE SURFACE FINISHES



| P01 | 17/11/23 | ISSUED FOR PLANNING | Ву | ıw |
|-----|----------|---------------------|----|-----|
| Rev | Date | Description | Ву | Chk |
| | | Amendments | | |

SOCIAL HOUSING AT ROSSFIELD, TALLAGHT

PROPOSED GENERAL ARRANGEMENT AND

LEVELS LAYOUT

SOUTH DUBLIN CITY COUNCIL



| Julius | PLANNIN | G | | M:\Projects\23\2 |
|------------------------|----------------------------|--------------|----------|------------------|
| Designed By JB | Approved W | Waterman Ref | 23-044 | \Project |
| Drawn By MS | DEC. 2023 | Scales @ A1 | 1:250 | ion: M: |
| Project - Originator - | Volume - Level - Type - Ro | le - Number | Revision | ocation: N |
| BRFD - WMC - | ZZ - 00 - GA - | P - 0100 | P01 | rawing I |

This drawing should not be scaled. Dimensions to be verified on site.

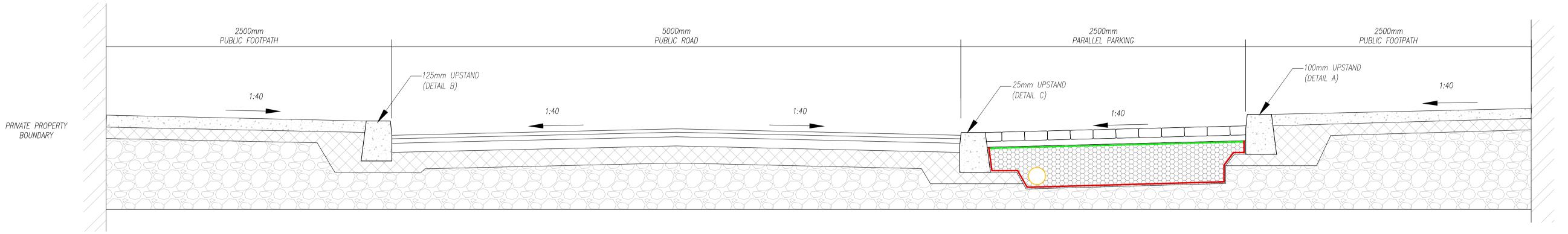
NOTES:

1. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.

PRIVATE PROPERTY

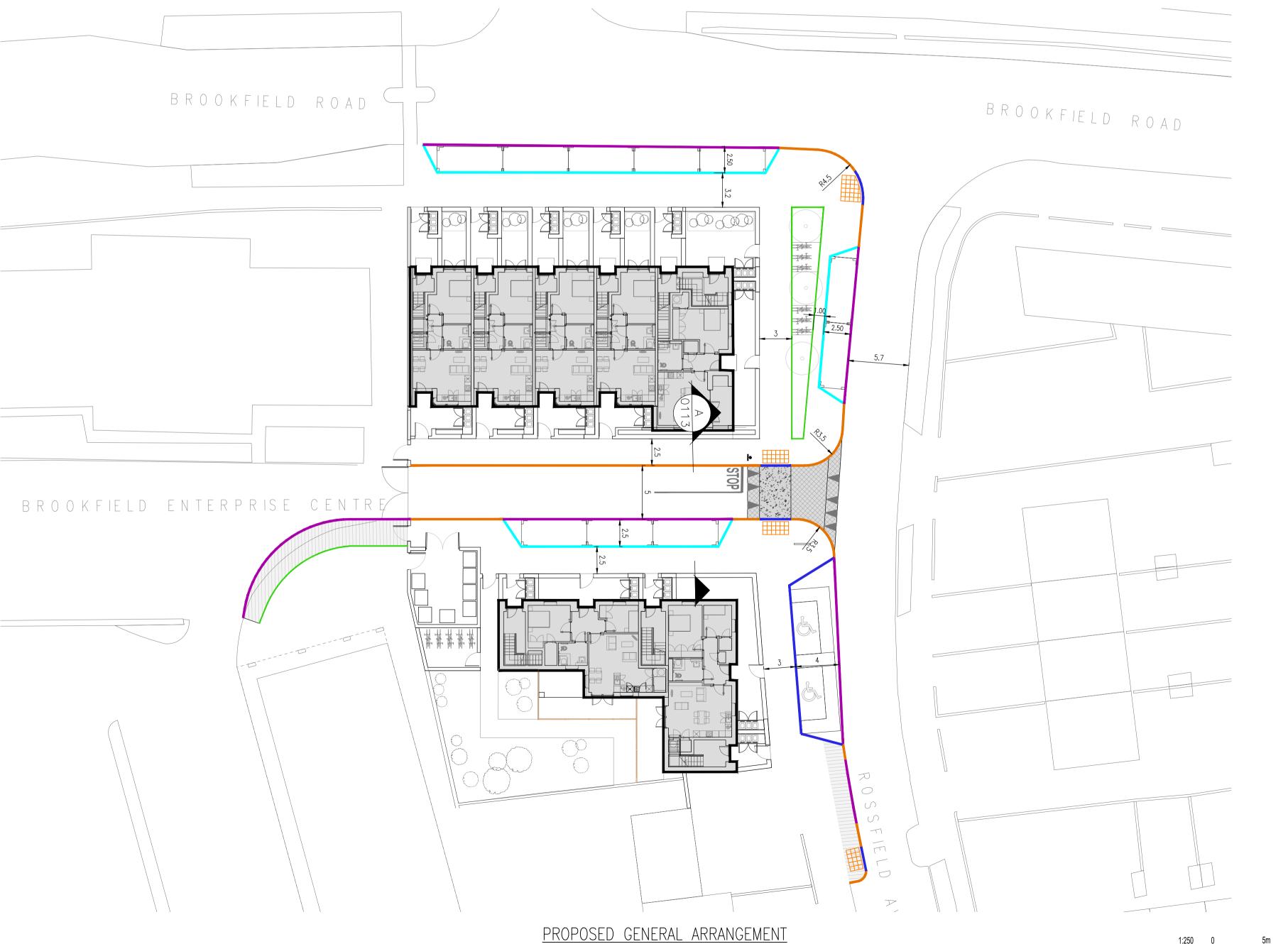
BOUNDARY

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

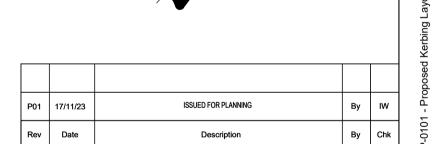


<u>A-A SECTION THROUGH MAIN ACCESS STREET</u>

SCALE 1:20



LEGEND: EXTENTS OF WORK FOR KERBS DETAILS, REFER TO DRAWING BFRD-WMC-ZZ-00-GA-P-0102 - PROPOSED TYPICAL ROAD CONSTRUCTION DETAILS PROPOSED 125mm KERB LINE (DETAIL B) PROPOSED 100mm KERB LINE (DETAIL A) PROPOSED 25mm KERB LINE (DETAIL C) — PROPOSED DROP KERB LINE (DETAIL D) PROPOSED EDGE OF CONCRETE FOOTPATH (DETAIL E)



SOCIAL HOUSING AT ROSSFIELD, TALLAGHT

PROPOSED KERBING LAYOUT AND CROSS SECTION

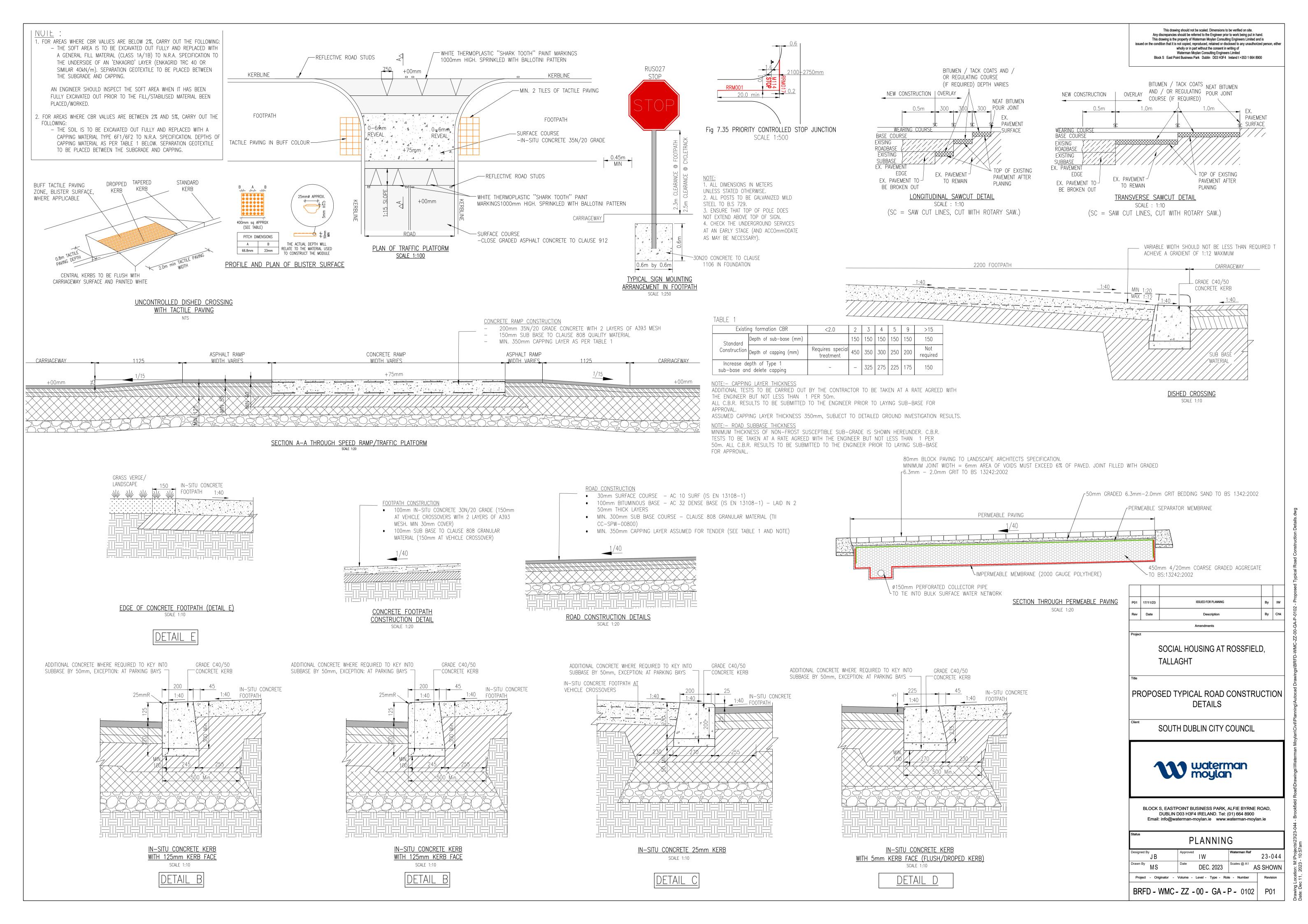
SOUTH DUBLIN CITY COUNCIL



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

| Otatus | PLANNING | G | | cts\23\2 |
|--------------------------|-----------------------------|--------------|----------|------------------------------------|
| Designed By JB | Approved W | Waterman Ref | 23-044 | :\Proje |
| Drawn By MS | DEC. 2023 | Scales @ A1 | 1:250 | ion: M |
| Project - Originator - ' | Volume - Level - Type - Rol | e - Number | Revision | Locat |
| BRFD - WMC - | ZZ - 00 - GA - I | P - 0101 | P01 | Drawing Location: M:\Projects\23\% |
| · | · | | | |

1:1 0 10 20 30 40 50 60 70 80 90 100





Any discrepancies should not be scaled. Uniteristicts to be verified on site.

Any discrepancies should be referred to the Engineer prior to work being put in hand.

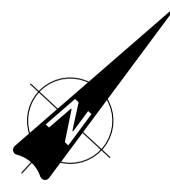
This drawing is the property of Waterman Moylan Consulting Engineers Limited and is issued on the condition that it is not copied, reproduced, retained or disclosed to any unauthorized person, either wholly or in part without the consent in writing of

Waterman Moylan Consulting Engineers Limited
Block S East Point Business Park Dublin D03 H3F4 Ireland t +353 1 664 8900

This drawing should not be scaled. Dimensions to be verified on site.

1. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.

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



| P01 | 17/11/23 | ISSUED FOR PLANNING | Ву | ıw |
|-----|----------|---------------------|----|-----|
| Rev | Date | Description | Ву | Chk |
| | | Amendments | | |

SOCIAL HOUSING AT ROSSFIELD, TALLAGHT

PROPOSED FIRE TENDER AND REFUSE VECHICLE AUTOTRACK ANALYSIS

SOUTH DUBLIN CITY COUNCIL



| us | PLANNIN | G | | estion: M:\Projecte\23\23 |
|------------------------|----------------------------|--------------|----------|---------------------------|
| igned By JB | Approved W | Waterman Ref | 23-044 | \Droig |
| MS | DEC. 2023 | Scales @ A1 | 1:250 | V |
| Project - Originator - | Volume - Level - Type - Ro | le - Number | Revision | 1600 |
| RFD - WMC- | ZZ - 00 - GA - | P - 0104 | P01 | Louiwer |

SCALE 1:250

This drawing should not be scaled. Dimensions to be verified on site. Any discrepancies should be referred to the Engineer prior to work being put in hand.

This drawing is the property of Waterman Moylan Consulting Engineers Limited and is issued on the condition that it is not copied, reproduced, retained or disclosed to any unauthorized person, either wholly or in part without the consent in writing of

Waterman Moylan Consulting Engineers Limited
Block S East Point Business Park Dublin D03 H3F4 Ireland t +353 1 664 8900

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

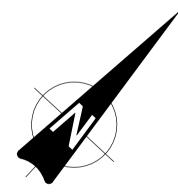
<u>LEGEND</u>

2.4m x 45m SIGHTLINE

2.4m x 49m SIGHTLINE

| DESIGN SPEED (km/h) | SSD STANDARD (m) |
|---------------------|------------------|
| 10 | 8 |
| 20 | 15 |
| 30 | 24 |
| 40 | 36 |
| 50 | 45 / 49 BUS |
| 60 | 65 |

DESIGN MANUAL FOR URBAN ROADS AND STREETS - TABLE 4.2



| P01 | 17/11/23 | ISSUED FOR PLANNING | Ву | ıw |
|-----|----------|---------------------|----|-----|
| Rev | Date | Description | Ву | Chk |
| | | A A | | |

SOCIAL HOUSING AT ROSSFIELD, TALLAGHT

PROPOSED VISIBILITY SPLAYS

SOUTH DUBLIN CITY COUNCIL



| tus | PLANNIN | G | | ocation: M:\Projects\23\23 |
|------------------------|-----------------------------|-----------------|----------|----------------------------|
| signed By | Approved W | Waterman Ref | 23-044 | Proje |
| wn By MS | DEC. 2023 | Scales @ A1 | 1:250 | .wo |
| Project - Originator - | Volume - Level - Type - Rol | e - Number | Revision | ocati |
| BRFD - WMC- | ZZ -00 - GA - | P - 0113 | P01 | Drawing 1 |

NOTES:

PRECEDENCE.

1. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.

OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.

IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL
WORKS ARE CONSTRUCTED IN ACCORDANCE WITH THE IRISH
WATER CODE OF PRACTICE AND STANDARD DETAILS. THE CODE
OF PRACTICE AND STANDARD DETAILS ARE AVAILABLE TO
DOWNLOAD FROM THE IRISH WATER WEB SITE AT

WWW.WATER.IE/CONNECTIONS/DEVELOPER—SERVICES/ WHERE
THE DETAILS CONTAINED ON THIS DRAWING DIFFER FROM
THE IRISH WATER CODE OF PRACTICE OR STANDARD DETAILS
THIS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER
IMMEDIATELY. IRISH WATER STANDARDS WILL TAKE

2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL

3. THE LOCATION AND LEVEL OF EXISTING SERVICES AT CONNECTION POINTS ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORKS. ANY DISCREPANCY WITH GIVEN SURVEY LEVELS ARE TO BE BROUGHT TO THE ATTENUATION OF THE ENGINEER.

4. IN AREAS WHERE EXISTING SERVICES ARE PRESENT, THE EXISTING SERVICES ARE TO BE CHECKED BY THE CONTRACTOR TO ENSURE THAT ALL RELEVANT EXISTING SERVICES ARE IDENTIFIED AND SHOWN ON DRAWINGS.

5. ANY UNSUITABLE MATERIAL EXPOSED DURING EXCAVATION IS TO BE BROUGHT TO THE ATTENUATION OF THE ENGINEER.

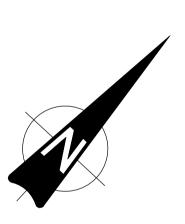
6. SURFACE WATER DRAINAGE WORKS ARE TO BE CONSTRUCTED IN

 SURFACE WATER DRAINAGE WORKS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH SDCC REQUIREMENTS FOR TAKING IN CHARGE AND THE GENERAL DUBLIN CODE OF PRACTICE FOR DRAINAGE WORKS.

7. ALL TRENCHES WHERE THERE IS EXPOSED ROCK ARE TO BE LINED WITH LIQUID BITUMEN SPRAY IMMEDIATELY AFTER EXPOSURE.

8. SEWERS ARE TO BE CONSTRUCTED WITH CONCRETE SURROUND IN ACCORDANCE WITH IRISH WATER STD—WW—08 WHERE THE VERTICAL CLEARANCE FORM THE SURFACE WATER IS LESS THAN 300mm AND WHERE DRAINAGE LINES HAVE A DEPTH OF COVER LESS THAN 1.2m WITHIN ROADWAYS.

 ALL GRAVITY SEWER PIPE MATERIALS SHALL COMPLY WITH SECTION 3.13 OF THE IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE.



P01 17/11/23 ISSUED FOR PLANNING By IW

Rev Date Description By Chk

Amendments

SOCIAL HOUSING AT ROSSFIELD, TALLAGHT

PROPOSED DRAINAGE LAYOUT

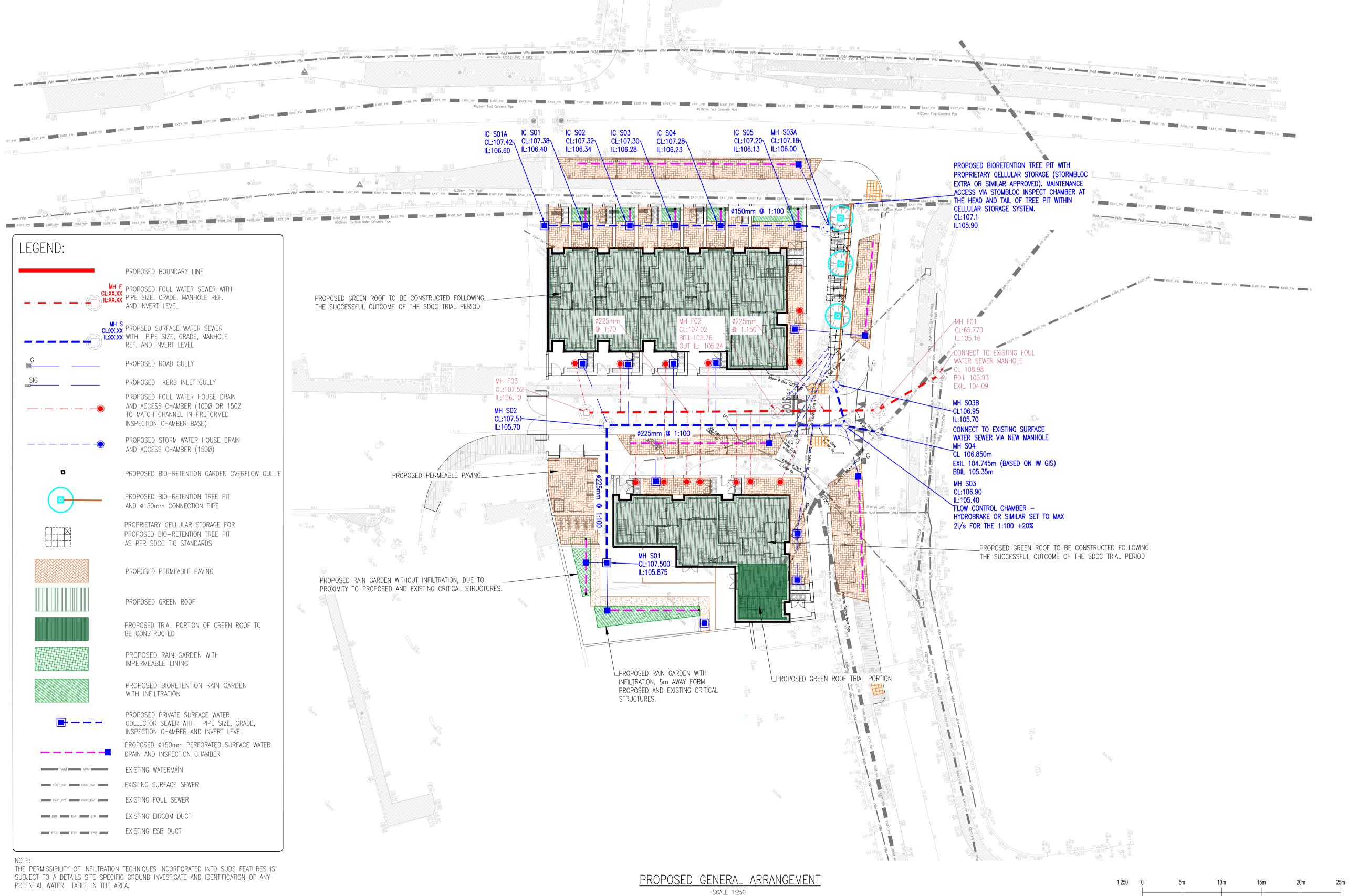
SOUTH DUBLIN CITY COUNCIL



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

| Status | PLANNIN | G | |
|------------------------|-----------------------------|--------------|----------|
| Designed By JB | Approved W | Waterman Ref | 23-044 |
| Drawn By MS | DEC. 2023 | Scales @ A1 | 1:250 |
| Project - Originator - | Volume - Level - Type - Rol | e - Number | Revision |
| BRFD - WMC - | ZZ - 00 - GA - | P - 0200 | P01 |

1:1 0 10 20 30 40 50 60 70 80 90 100



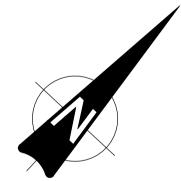
Any discrepancies should be referred to the Engineer prior to work being put in hand. This drawing is the property of Waterman Moylan Consulting Engineers Limited and is issued on the condition that it is not copied, reproduced, relatined or disclosed to any unauthorized person, either wholly or in part without the consent in writing of

This drawing should not be scaled. Dimensions to be verified on site.

Waterman Moylan Consulting Engineers Limited
Block S East Point Business Park Dublin D03 H3F4 Ireland t +353 1 664 8900

1. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.

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



| P01 | 17/11/23 | ISSUED FOR PLANNING | Ву | ıw |
|-----|----------|---------------------|----|-----|
| Rev | Date | Description | Ву | Chk |
| | | Amendments | | • |

SOCIAL HOUSING AT ROSSFIELD, TALLAGHT

PROPOSED SuDS LAYOUT

SOUTH DUBLIN CITY COUNCIL



| PLANNING Signed By J B | | | | |
|--|------------------------|-----------------------------|-----------------|----------|
| JB IW 23-044 WN BY MS Date DEC. 2023 Scales @ A1 1:250 Project - Originator - Volume - Level - Type - Role - Number Revision | us | PLANNING | G | |
| MS DEC. 2023 1:250 Project - Originator - Volume - Level - Type - Role - Number Revision | | | Waterman Ref | 23-044 |
| 7, | MS | DEC. 2023 | Scales @ A1 | 1:250 |
| BRFD - WMC - ZZ - 00 - GA - P - 0201 P01 | Project - Originator - | Volume - Level - Type - Rol | e - Number | Revision |
| | RFD - WMC- | ZZ - 00 - GA - I | P - 0201 | P01 |

TYPICAL STANDARD DETAIL OF BIO-RETENTION AREA FOR SURFACE WATER

BUILDING

SCALE: 1:20

GRADIENT, TO SET KERB INLET INVERT AT

20mm BELOW LOWEST ADJACENT TARMAC

CARRIAGEWAY MORE THAN THE MINIMUM NECESSARY FOR EROSION APRON (400mm).

(DOWNSLOPE). DO NOT EXTEND WORKS INTO

DROP IN ROAD LEVEL TO CAST IRON KERB INLET

SCALE: 1:10

FOOTPATH

CAST IRON KERB INLET- ISOMETRIC

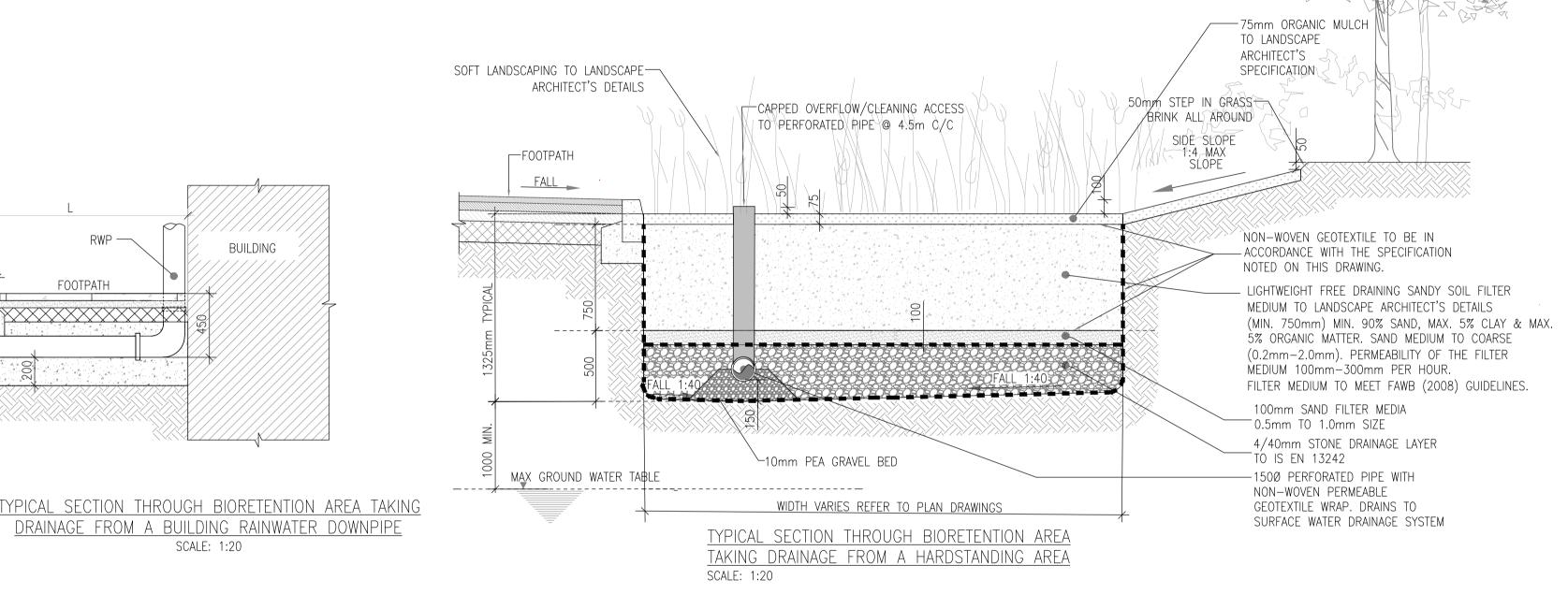
FLUSH KERB -

REFER TO SECTION 'A2'

SECTION THROUGH

BIO-RETENTION AREA

OPPOSITE FOR TYPICAL



MAINTENANCE REQUIREMENTS FOR BIORETENTION SYSTEMS & TREE PITS

REGULAR INSPECTIONS

INSPECT INFILTRATION SURFACES FOR SILTING AND PONDING, RECORD DE-WATERING TIME OF THE FACILITY AND ASSESS STANDING WATER LEVELS IN UNDERDRAIN (IF APPROPRIATE) TO DETERMINE IF MAINTENANCE IS NECESSARY. FREQUENCY - QUARTERLY CHECK OPERATION OF UNDERDRAINS BY INSPECTION OF FLOWS AFTER RAIN. FREQUENCY - ANNUALLY

ASSESS PLANTS FOR DISEASE INFECTION, POOR GROWTH, INVASIVE SPECIES ETC AND REPLACE AS NECESSARY. FREQUENCY — QUARTERLY INSPECT INLETS AND OUTLETS FOR BLOCKAGE. FREQUENCY — QUARTERLY

REGULAR MAINTENANCE REMOVE LITTER AND SURFACE DEBRIS AND WEEDS. FREQUENCY -

REPLACE ANY PLANTS. TO MAINTAIN PLANTING DENSITY. FREQUENCY - AS REQUIRED

REMOVE SEDIMENT, LITTER AND DEBRIS BUILD-UP FROM AROUND INLETS OR FROM FOREBAYS. FREQUENCY - QUARTERLY TO BIANNUALLY INFILL ANY HOLES OR SCOUR IN THE FILTER MEDIUM, IMPROVE EROSION PROTECTION IF REQUIRED. FREQUENCY - AS REQUIRED REPAIR MINOR ACCUMULATIONS OF SILT BY RAKING AWAY SURFACE MULCH, SCARIFYING SURFACE OF MEDIUM AND REPLACING MULCH. FREQUENCY - AS REQUIRED

REMEDIAL ACTIONS REMOVE AND REPLACE FILTER MEDIUM AND VEGETATION ABOVE. FREQUENCY - AS REQUIRED BUT LIKELY TO BE > 20 YEARS

ROOTSPACE SUPPORT STRUCTURE UNDER COVERED / GRILLED TREE PITS.

IN ALL COVERED COVERED / GRILLED TREE PITS AND IN ALL INSTANCES WHERE THE TREE PIT SOIL EXTENDS BENEATH THE FOOTPATH / PAVEMENT, A PROPRIETARY ROOTSPACE PAVEMENT SUPPORT SYSTEM BY GREENLEAF IRELAND, OR EQUAL APPROVED, SHALL BE INTEGRATED ACROSS THE FULL EXTENT OF THE TREE PIT. REFER TO LANDSCAPE ARCHITECTS DRAWING FOR TREE PIT SOIL EXTENTS.

NOTES:

TYPICAL SECTION THROUGH TREE PIT WITH CELLULAR STORAGE

1. NON-WOVEN GEOTEXTILE SPECIFICATION. THE GEOTEXTILE SHALL:

·SUSTAIN A TENSILE LOAD OF NOT LESS THAN 5.0kN/m AT BREAK AND HAVE A MINIMUM FAILURE STRAIN OF 10%

WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 10319; HAVE A MINIMUM PUNCTURE RESISTANCE OF 1200 N WHEN DETERMINED IN ACCORDANCE WITH IS EN ISO 12236;

· HAVE A SIZE DISTRIBUTION OF PORE OPENINGS SUCH THAT THE APPARENT OPENING SIZE 090 WHEN DETERMINED

IN ACCORDANCE WITH IS EN ISO 12956, OR OTHER APPROPRIATE TEST, IS LESS THAN 300 MICRONS

· ALLOW WATER TO FLOW THROUGH IT, IN EITHER DIRECTION, NORMAL TO ITS PRINCIPAL PLANE AT A RATE OF NOT LESS

THAN 10 I/m²/s, UNDER A CONSTANT HEAD OF WATER OF 100mm AND A MAXIMUM BREAKTHROUGH HEAD OF 50MM WHEN DETERMINED IN

AREA DRAINED. MAXIMUM WIDTH 10m UNLESS NOTED OTHERWISE.

ACCORDANCE WITH IS EN ISO 12958.

2. PLAN AREA OF THE BIO-RETENTION AREA SHOULD BE 2-4% OF THE OVERALL

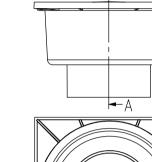
BBA APPROVED WATERPROOF LAYER

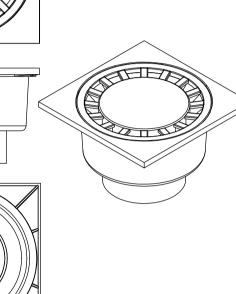
E.G. DRYSEAL, HAMBLESIDE DANELAW

ROOF SUBSTRATE -

/STRUCTURE

SECTION A-A





This drawing should not be scaled. Dimensions to be verified on site ny discrepancies should be referred to the Engineer prior to work being put in hand. This drawing is the property of Waterman Moylan Consulting Engineers Limited and is

issued on the condition that it is not copied, reproduced, retained or disclosed to any unauthorized person, either

wholly or in part without the consent in writing of Waterman Moylan Consulting Engineers Limited Block S East Point Business Park Dublin D03 H3F4 Ireland t +353 1 664 8900

1. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.

2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL

OTHER RELEVANT ARCHITECTURAL AND ENGINEERING

Suds overflow gully BLACK ABS PLASTIC

TURF/PLANT ROLLS /LOAM/SOIL

OLDROYD TP FILTER FLEECE OLDROYD XV20 GREENXTRA MEMBRANE MOISTURE RETENTION MAT

KNAUF POLYFOAM FLOORBOARD

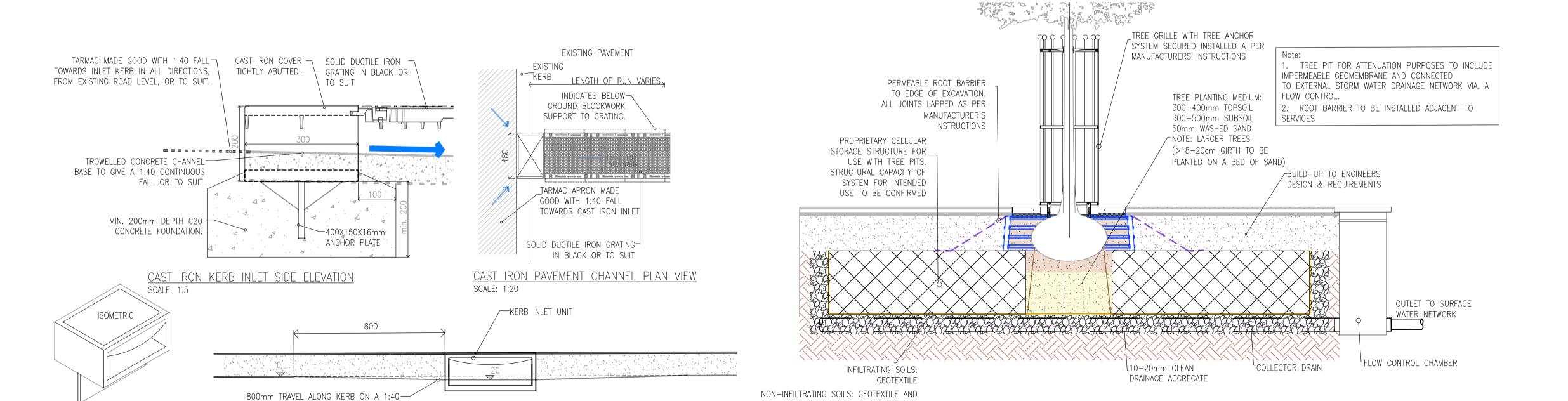
OLDROYD XV GREEN AS ADDITIONAL

SEPARATING DRAINAGE LAYER

TYPICAL SECTION THROUGH GREEN ROOF SCALE: 1:10

~ ~ ~ ~ ~ ~ ~ ~ ~ ~

'a p 'a p 'a lp' a p, a lp a p



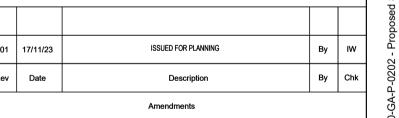
IMPERMEABLE GEOMEMBRANE TO

REQUIREMENTS

SCALE: NTS

INCOPORATE COLLECTOR DRAIN AS PER

CELLULAR STORAGE MANUFACTURERS



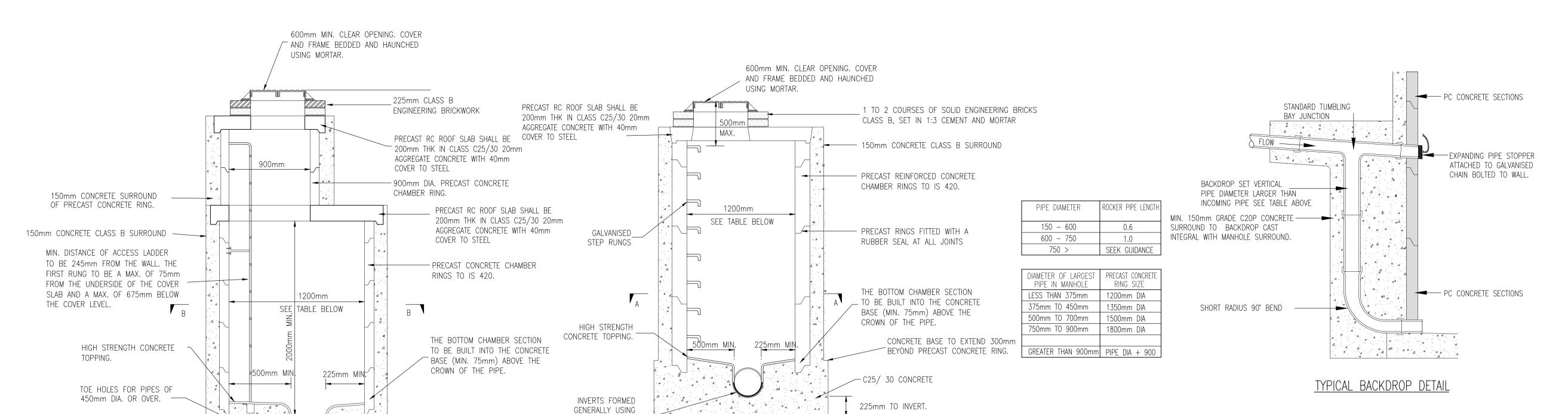
SOCIAL HOUSING AT ROSSFIELD. TALLAGHT

PROPOSED Suds STANDARD DETAILS

SOUTH DUBLIN CITY COUNCIL

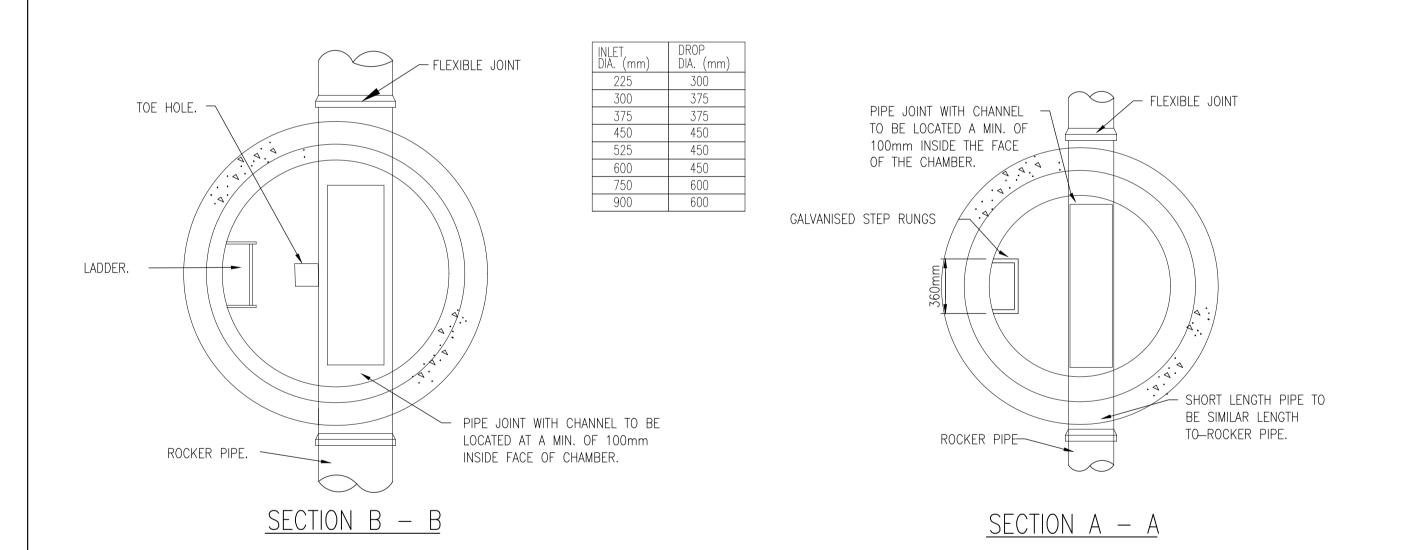


| Designed By J B | Approved W | Waterman Ref |
|----------------------|---------------------------|------------------------|
| Drawn By MS | DEC. 2023 | Scales @ A1 AS SHOWN |
| Project - Originator | - Volume - Level - Type - | Role - Number Revision |



MANHOLE DETAIL PRECAST CONCRETE

MANHOLE (UP TO 3.0m DEEP)



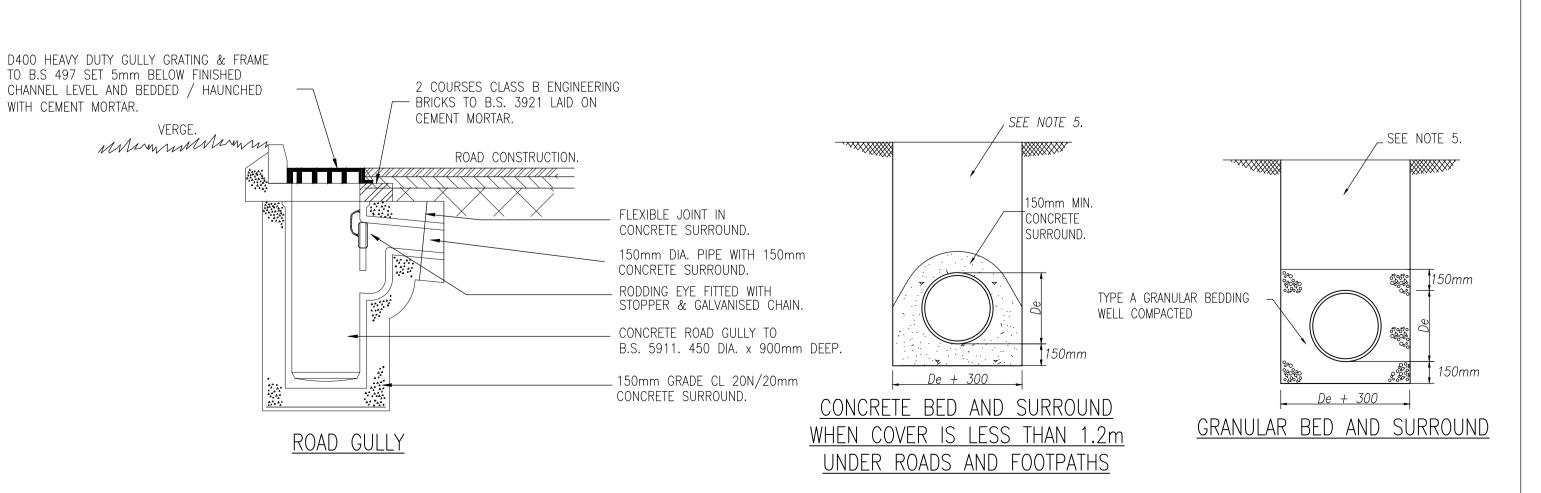
MANHOLE DETAIL (3.0m TO 6.0m)

225mm TO INVERT

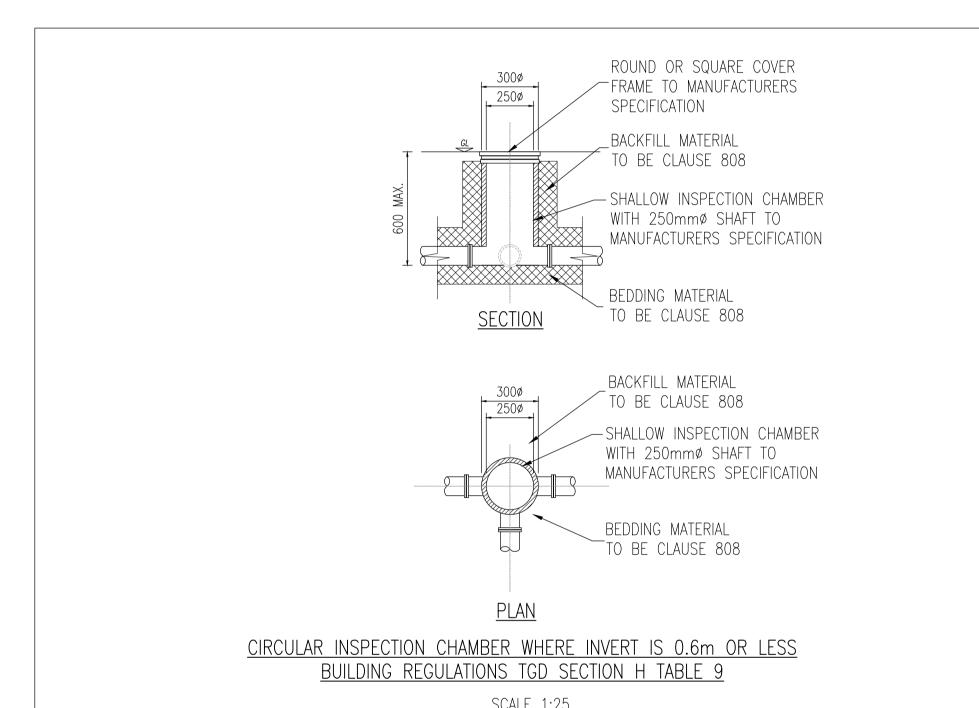
INVERTS FORMED GENERALLY

USING CHANNEL PIPES.

WITH CEMENT MORTAR.



CHANNEL PIPES.



| Туре | Depth to (m) | Internal Sizes | | Cover Sizes | |
|----------------|--------------|--------------------------|------------------|-----------------------------|------------------|
| | | length x width (mm x mm) | Circular (mm) | length x width (mm x mm) | Circular (mm) |
| Rodding eye | | | | | |
| Access Fitting | | | | | |
| small | 0.6 or less | 150 x 100 | 150 | 150 x 100 | 150 |
| large | | 300 x 100 | - | 300 x 100 | - |
| Inspection | 0.6 or less | 300 x 300 | 190* | 300 x 300 | 190* |
| Chamber | 1.0 or less | 450 x 450 | 450 | 450 x 450 | 450** |
| Manhole | 1.5 or less | 1200 x 750 | 1000 | 600 x 600 | 600 |
| | over 1.5 | 1200 x 750 | 1200 | 600 x 600 | 600 |
| | over 2.7 | 1200 x 840 | 1200 | 600 x 600 | 600 |
| Shaft | over 2.7 | 900 x 840 | 900 | 600 x 600 | 600 |

This drawing should not be scaled. Dimensions to be verified on site. Any discrepancies should be referred to the Engineer prior to work being put in hand. This drawing is the property of Waterman Moylan Consulting Engineers Limited and is issued on the condition that it is not copied, reproduced, retained or disclosed to any unauthorized person, either wholly or in part without the consent in writing of Waterman Moylan Consulting Engineers Limited Block S East Point Business Park Dublin D03 H3F4 Ireland t +353 1 664 8900

150mm THICK.

- 1. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
- 2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL, ENGINEERING DRAWINGS AND THE GREATER DUBLIN REGIONAL CODE OF PRACTICE V6.0.
- 3. TYPE A GRANULAR FILL SHALL CONSIST OF WASHED PEA GRAVEL. ALL MATERIAL SHALL PASS A 19mm B.S. SIEVE TEST AND SHALL BE RETAINED BY A 4.75mm
- 4. SELECTED FILL SHALL BE FREE FROM STONES GREATER THAN 25mm IN SIZE, BUILDERS RUBBLE 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 UNDER PAVED AREAS BACKFILL SHALL CONSIST OF CLAUSE 808. GENERAL BACKFILL SHALL BE COMPACTED IN LAYERS NOT EXCEEDING
- 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 FIELDS.
- 7. ALL CONCRETE FOR PIPE BEDDING, HAUNCHING AND SURROUNDS SHALL BE
- GRADE CL 20N/20mm. 8. ALL MANHOLES SHALL BE WATERTIGHT TO THE SATISFACTION OF THE LOCAL
- AUTHORITY/COUNCIL. 9. FORMWORK TO REINFORCED CONCRETE AND MASS CONCRETE SHALL BE CLASS
- 10. CLASS U2 FINISH TO THE TOP OF SLABS. REINFORCEMENT TO SLABS TO
- ENGINEERS DETAILS.
- 11.200mm THICK CL 30N/20mm MASS CONCRETE FOUNDATIONS. 225 THICK PRECAST R.C. ROOF SLAB IN CL 30N/20mm CONCRETE. COVER TO STEEL TO
- 12. TOE HOLES OF 230mm MINIMUM DEPTH AND GALVANIZED STEEL SAFETY RAILINGS TO BE PROVIDED IN BENCHING OF SEWERS GREATER THAN 525mm
- DIAMETER AND DEPTH TO INVERT >3m FOR ACCESS TO INVERT. 13. A SAFETY CHAIN IS TO BE PROVIDED ON SEWER PIPES THAT EXCEED 450mm IN DIAMETER. MILD STEEL SAFETY CHAIN SHALL BE 10mm NOMINAL SIZE
- GRADE M(H) NON CALIBRATED CHAIN, TYPE 1, COMPLYING WITH B.S.4942 PART 2 OR EQUIVALENT. 14. WHEN DEPTH OF MANHOLES TO INVERT IS GREATER THAN 3.0m LADDERS SHALL

BE USED INSTEAD OF RUNGS. FIXED LADDERS SHOULD MEET THE DIMENSIONAL

REQUIREMENTS OF B.S.4211 OR EQUIVALENT EXCEPT THAT STRINGERS SHOULD

- NOT BE LESS THAN 65 X 12mm IN SECTION AND RUNGS 25mm IN DIAMETER. 15. LADDER STRINGERS SHOULD BE ADEQUATELY SUPPORTED FROM THE MANHOLE WALL AT INTERVALS OF NOT MORE THAN 2.0m STRINGERS SHOULD BE BOLTED
- TO CLEATS TO FACILITATE RENEWAL. 16. ALL LADDERS, RUNGS, HANDRAILS, SAFETY CHAIN, ETC. SHALL BE HOT DIPPED
- GALVANIZED TO B.S.729 OR EQUIVALENT. 17. ALL DRAINAGE WORKS SHALL BE CONSTRUCTED STRICTLY IN ACCORDANCE WITH SOUTH DUBLIN COUNTY COUNCIL REQUIREMENTS FOR TAKING IN CHARGE AND

GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.

- 18. PERTAINING TO FOUL WATER DRAINAGE WORKS IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL WORKS ARE CONSTRUCTED IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE AND STANDARD DETAILS. THE CODE OF PRACTICE AND STANDARD DETAILS ARE AVAILABLE TO DOWNLOAD FROM THE IRISH WATER WEB SITE AT
- WWW.WATER.IE/CONNECTIONS/DEVELOPER-SERVICES/ WHERE THE DETAILS CONTAINED ON THIS DRAWING DIFFER FROM THE IRISH WATER CODE OF PRACTICE OR STANDARD DETAILS THIS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY. IRISH WATER STANDARDS WILL TAKE PRECEDENCE.

| P01 | 17/11/23 | ISSUED FOR PLANNING | Ву | IW |
|-----|----------|---------------------|----|-----|
| Rev | Date | Description | Ву | Chk |

SOCIAL HOUSING AT ROSSFIELD,

TALLAGHT

PROPOSED DRAINAGE STANDARD

DETAILS

SOUTH DUBLIN CITY COUNCIL



| Status | PLANNIN | G | |
|------------------------|----------------------------|--------------|----------|
| Designed By JB | Approved W | Waterman Ref | 23-044 |
| Drawn By MS | DEC. 2023 | Scales @ A1 | 1:40 |
| Project - Originator - | Volume - Level - Type - Ro | le - Number | Revision |
| BRFD - WMC | - ZZ - 00 - GA - | P - 0210 | P01 |

Any discrepancies should be referred to the Engineer prior to work being put in hand. This drawing is the property of Waterman Moylan Consulting Engineers Limited and is issued on the condition that it is not copied, reproduced, retained or disclosed to any unauthorized person, either wholly or in part without the consent in writing of Waterman Moylan Consulting Engineers Limited Block S East Point Business Park Dublin D03 H3F4 Ireland t +353 1 664 8900

This drawing should not be scaled. Dimensions to be verified on site.

1. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.

2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT

IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL WORKS ARE CONSTRUCTED IN ACCORDANCE WITH THE IRISH WATER CODE OF PRACTICE AND

STANDARD DETAILS. THE CODE OF PRACTICE AND STANDARD DETAILS ARE AVAILABLE TO DOWNLOAD FROM THE IRISH WATER WEB SITE AT WWW.WATER.IE/CONNECTIONS/DEVELOPER-SERVICES/ WHERE THE DETAILS

IMMEDIATELY. IRISH WATER STANDARDS WILL TAKE PRECEDENCE. THE LOCATION AND LEVEL OF EXISTING SERVICES AT CONNECTION POINTS ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORKS. ANY

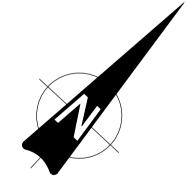
4. IN AREAS OF KNOWN EXISTING SERVICES, THE EXISTING SERVICES ARE TO BE CHECKED BY THE CONTRACTOR TO ENSURE THAT ALL RELEVANT EXISTING SERVICES ARE

5. ANY UNSUITABLE MATERIAL EXPOSED DURING EXCAVATION IS TO BE BROUGHT TO THE

. SURFACE WATER DRAINAGE WORKS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH SDCC REQUIREMENTS FOR TAKING IN CHARGE AND THE GENERAL DUBLIN CODE OF

7. ALL TRENCHES WHERE THERE IS EXPOSED ROCK ARE TO BE LINED WITH LIQUID BITUMEN SPRAY IMMEDIATELY AFTER EXPOSURE.

PROPOSED HDPE WATERMAIN 110mmø ID PROPOSED BOUNDARY BOX AND 20mm ID (25mm OD) CONNECTION PIPE PROPOSED SLUICE VALVE PROPOSED WASHOUT HYDRANT PROPOSED FIRE HYDRANT 46m COVERAGE PROPOSED ROAD LEVELS, EXISTING SURFACE SEWER ESB ESB ESB



| P01 | 17/11/23 | ISSUED FOR PLANNING | Ву | ıw |
|-----|----------|---------------------|----|-----|
| Rev | Date | Description | Ву | Chk |
| | | A | | |

SOCIAL HOUSING AT ROSSFIELD, TALLAGHT

PROPOSED WATERMAIN LAYOUT

SOUTH DUBLIN CITY COUNCIL



| PLANNING | | | |
|------------------------|----------------------------|--------------|----------|
| signed By | Approved W | Waterman Ref | 23-044 |
| MS | DEC. 2023 | Scales @ A1 | 1:250 |
| Project - Originator - | Volume - Level - Type - Re | ole - Number | Revision |
| BRFD - WMC | - ZZ - 00 - GA - | P - 0300 | P01 |