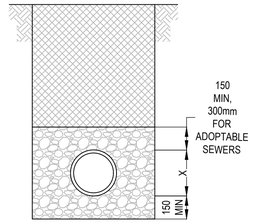
BEDDING/BACKFILL NOTES

1. APPROVED BACKFILL MATERIAL TO BE TYPE 1 GRANULAR MATERIAL TO SHW CLAUSE 803 COMPACTED IN LAYERS NOT EXCEEDING 150mm BENEATH ROADS AND PAVEMENTS. IN LANDSCAPED AREAS SELECTED FILL WHETHER SELECTED FROM LOCALLY-EXCAVATED MATERIAL OR IMPORTED, SHALL CONSIST OF UNIFORM, READILY-COMPACTIBLE MATERIAL. FILL SHALL BE FREE FROM VEGETABLE MATTER, BUILDING RUBBISH AND FROZEN MATERIAL OR MATERIALS SUSCEPTIBLE TO SPONTANEOUS COMBUSTION, AND SHALL EXCLUDE CLAY OF LIQUID LIMIT GREATER THAN 80 AND/OR PLASTIC LIMIT GREATER THAN 55 AND MATERIALS OF EXCESSIVELY HIGH MOISTURE CONTENT. CLAY LUMPS AND STONES RETAINED ON 75 mm AND 37.5 mm SIEVES, RESPECTIVELY, SHALL BE EXCLUDED FROM THE FILL MATERIAL. THIS SHOULD NE COMPACTED IN LAYERS NOT EXCEEDING 225mm.
2. APPROVED BACKFILL AWAY FROM ADOPTABLE HIGHWAYS TO BE SELECTED FILL TYPE 'B' OR DoT TYPE 1.
3. GEOTEXTILE FABRIC TO BE WRAPPED AROUND GRANULAR BEDDING IN WATER-LOGGED GROUND.
4. MINIMUM PIPE BED AND SURROUND TO BE IN STRICT ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.

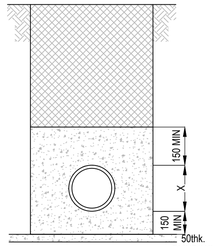
NOTES:

1. X = OUTSIDE DIAMETER (OD) OF PIPE.
2. THE FIRST 300mm OF FILL ABOVE THE CROWN OF THE PIPE SHALL NOT BE MECHANICALLY COMPACTED.
3. GEOTEXTILES MAY BE USED, WHERE DIRECTED BY THE ENGINEER, TO CONTAIN BEDDING MATERIAL IN CERTAIN SOILS, SUCH AS RUNNING SAND.
4. IN VERY WET CONDITIONS, OR WHERE DIRECTED BY THE ENGINEER, A TEMPORARY LAND DRAIN MAY BE LAID WITHIN THE GRANULAR BED.



CLASS S PIPE BEDDING

(GENERALLY TO BE USED TO ALL PIPES WITH COVER FROM FINISHED SURFACE TO CROWN GREATER THAN 1200mm IN HIGHWAYS AND PARKING AREAS WITH UNRESTRICTED ACCESS TO VEHICLES WITH A GROSS VEHICLE WEIGHT IN EXCESS OF 7.5t, GREATER THAN 900 mm IN TRAFFICKED AREAS AND GREATER THAN 600 mm COVER IN LANDSCAPED AREAS OR UNDER BUILDINGS.

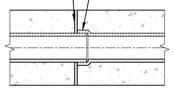


CLASS Z PIPE BEDDING

(GENERALLY TO BE USED TO ALL PIPES WITH COVER FROM FINISHED SURFACE TO CROWN LESS OR EQUAL THAN 1200mm IN HIGHWAYS AND PARKING AREAS WITH UNRESTRICTED ACCESS TO VEHICLES WITH A GROSS VEHICLE WEIGHT IN EXCESS OF 7.5t,, LESS THAN OR EQUAL TO 900 mm IN TRAFFICKED AREAS OR LESS THAN 600 mm COVER IN LANDSCAPED AREAS OR UNDER BUILDINGS)

18mm COMPRESSIBLE FILLER CONSISTING OF BITUMEN IMPREGNATED INSULATING BOARD TO BS EN 622-1 & 622-4 FOR FULL THICKNESS OF CONCRETE SURROUND

SPIGOT AND SOCKET / SLEEVE JOINT.



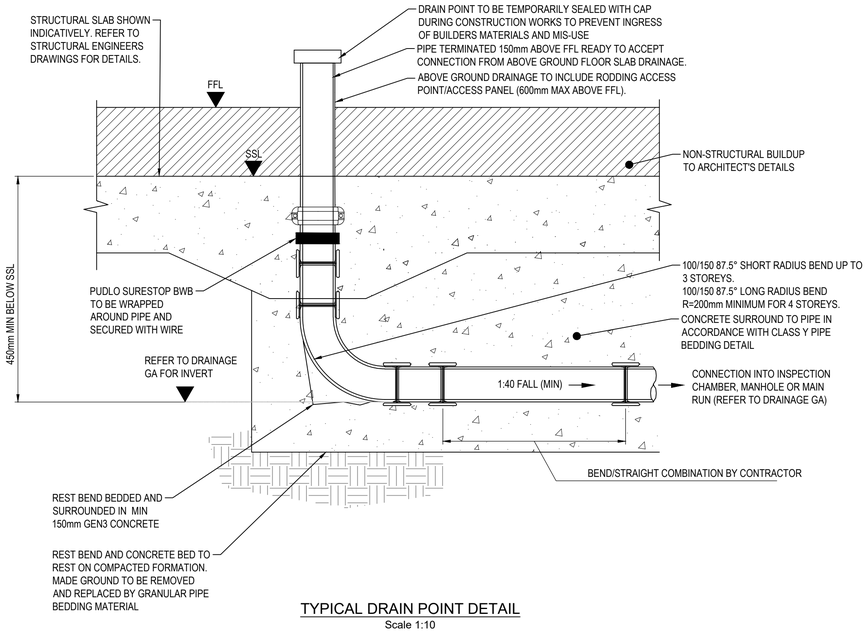
APPROVED BACKFILL MATERIAL

GRANULAR MATERIAL. SINGLE SIZE AGGREGATE TO WIS 4-08-02 AND BS 1610 COMPACTED IN LAYERS NOT EXCEEDING 150 mm

GEN3 CONCRETE (18mm COMPRESSIBLE BOARDS TO BE INSERTED AT ALL PIPE JOINTS).

CORDEK CELLCORE HX B - REFER TO STRUCTURAL ENGINEERS DRAWINGS FOR LOCATIONS & DETAILS

TRENCH WIDTHS IN RELATION TO NOMINAL SIZE DN	
PIPE (DN) SIZE	NOMINAL TRENCH WIDTH (mm)
≤225	OD + 400
>225 to ≤350	OD + 500
>350 to ≤ 700	OD + 700
>700 to ≤1200	OD + 850
>1200	OD + 1000



TYPICAL DRAIN POINT DETAIL

Scale 1:10

GENERAL NOTES:

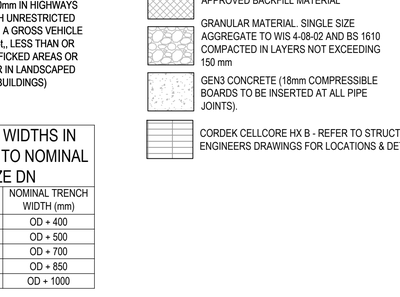
1. DO NOT SCALE FROM THIS DRAWING. ONLY USE FIGURED DIMENSIONS. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ENGINEER
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL ENGINEER'S DRAWINGS AND DETAILS, THE SPECIFICATION FOR THE WORKS, THE RELEVANT ARCHITECT'S DRAWINGS AND ANY OTHER SPECIALIST'S DRAWINGS
3. CIVIL ENGINEERING DESIGN COMPLETED IN THE ABSENCE OF A COMPLETE COMBINED UTILITIES DESIGN AND DRAWINGS. IT IS ASSUMED THAT UTILITIES WILL BE POSITIONED TO SUIT PROPOSED DRAINAGE LAYOUT
4. PROPOSED BOUNDARY LAYOUT AND DETAILS BY OTHERS.
5. SOFT LANDSCAPING LAYOUT,DETAILS AND SPECIFICATION BY OTHERS

CHANNEL DRAIN DETAIL

NOT TO SCALE

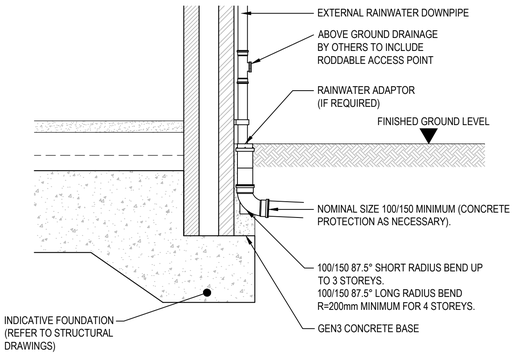
TYPICAL DRAIN OUTLET DETAIL

Scale 1:10



ACO MULTIDRAIN M100D BRICKSLOT DRAINAGE CHANNEL IN THRESHOLDS

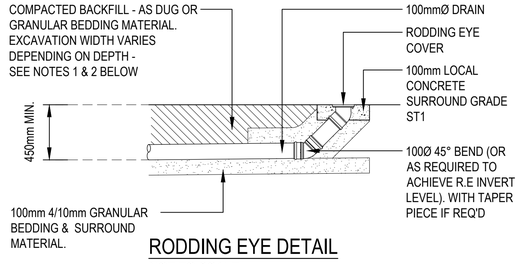
Scale 1:10



TYPICAL EXTERNAL RWP CONNECTION

NOT TO SCALE

1. WHERE 'AS DUG' MATERIAL IS SUITABLE FOR TRENCH BACKFILL IT SHOULD BE FREE FROM STONES LARGER THAN 40mm, TREE ROOTS, VEGETABLE MATTER, BUILDING WASTE, FROZEN SOIL, AND CLAY LUMPS RETAINED ON A 75mm SIEVE.
2. BEDDING MATERIAL TO DOMESTIC DRAINAGE TO BE 4/10mm PIPE BEDDING GRAVEL FOR 100/110mm PIPES, AND 2/14mm PIPE BEDDING GRAVEL FOR 150/160mm PIPES AND ABOVE.



RODDING EYE DETAIL

NOT TO SCALE

NOTE:
UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE RELEVANT LOCAL AUTHORITIES OR STATUTORY BODIES, IT SHOULD BE UNDERSTOOD THAT ALL DRAWINGS ARE ISSUED AS PRELIMINARY AND NOT FOR CONSTRUCTION. SHOULD THE CONTRACTOR AND / OR EMPLOYER COMMENCE WORK PRIOR TO APPROVAL BEING GIVEN, IT IS ENTIRELY AT THEIR OWN RISK

Revision Details	By / Check	Date	Suffix
REVISED DRAINAGE STRATEGY	MCC / EC	02.09.24	C02
CONSTRUCTION ISSUE	TP / EC	09.07.24	C01

Drawing Status: CONSTRUCTION

Client: BOUTIQUE MODERN

Project Name: DANIEL CLOSE

Drawing Title: PROPOSED DRAINAGE DRAINAGE SHEET 2

Scale at A1: AS SHOWN @ A1	Client Project Number: -
Drawn: DW	BDC Project Number: 23095
Approved: EC	Date: SEP 2023

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Drawing Number: 23095-BDC-C-XX-XX-EL-0543 Rev: C02

P:\2023\23095 Daniel Close\2.0 Drawing\2.2 BDC C Drawings\2.2.1 Cad\23095-BDC-C-XX-XX-EL-0541 - Proposed Drainage Details (DAN).dwg