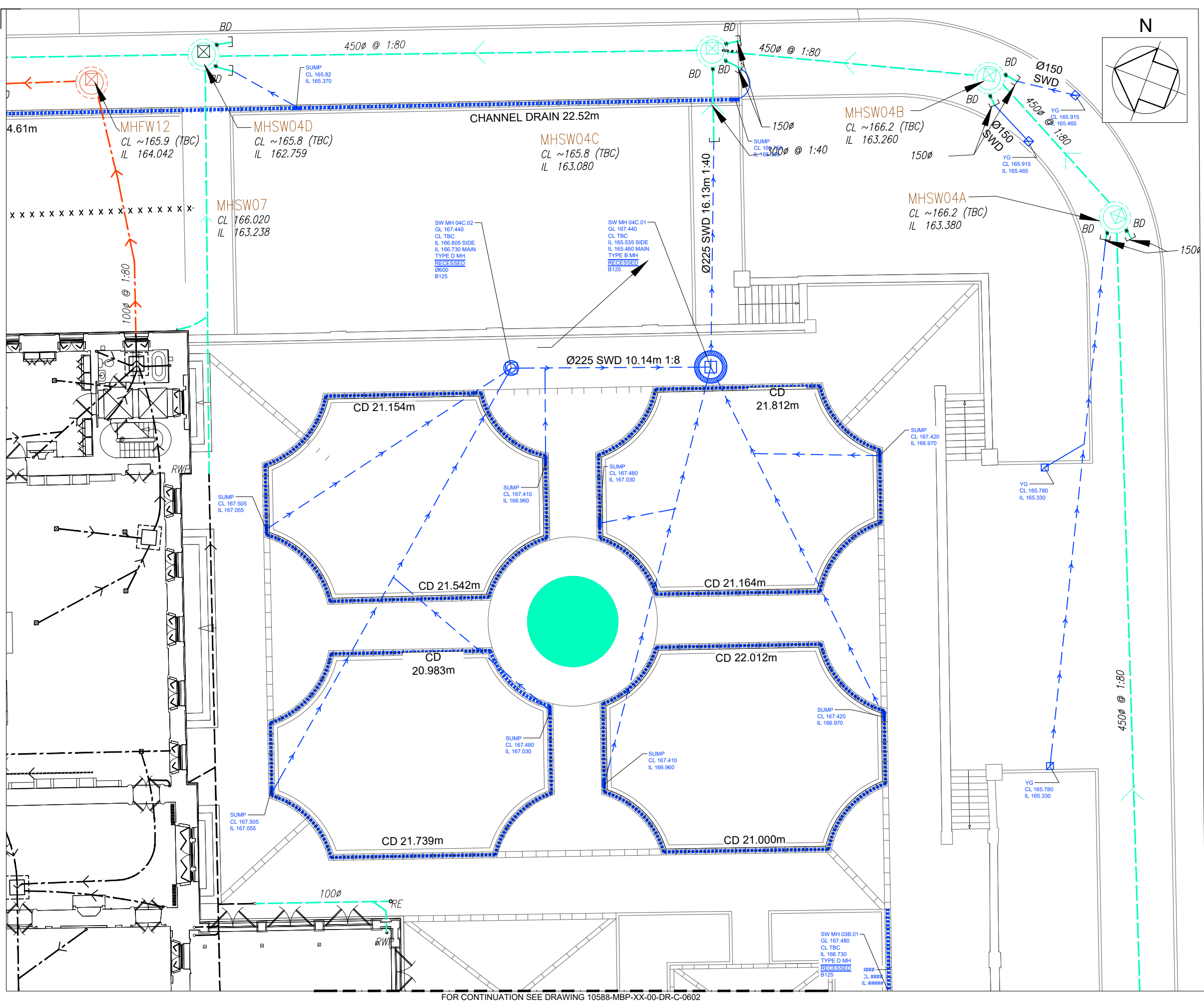




DRAINAGE LEGEND

EXISTING AND ASSUMED FEATURES

- ASSUMED DRAINAGE, TYPE TBC ON SITE
- EXISTING FOUL WATER.
- EXISTING SURFACE WATER.
- EXISTING COMBINED.
- X-X-X-X-X- RUN GRUBBED OUT.

PROPOSED FEATURES DESIGNED BY OTHERS

- PROPOSED SURFACE WATER.
- PROPOSED FOUL DRAINAGE.
- RISING MAIN.

BD	BACKDROP.
RE	RODDING EYE.
NRV	NON-RETURN VALVE.
SVP	SOIL VENT PIPE.
CD	CAVITY DRAIN.
RWP	RAINWATER PIPE.
G	GULLY.
DP	TRENCH DRAIN DROP POINT
	SURFACE WATER MANHOLE.
	OPENING AND MANHOLE COVER
	FOUL WATER MANHOLE. OPENING AND MANHOLE COVER
	CAP IN RUN TO ALLOW FUTURE EXTENSION OF DRAINAGE

PROPOSED FEATURES

- SURFACE WATER DRAIN
- RG ROAD GULLY (TRAPPED)
- YG YARD GULLY (TRAPPED)
- SUMP DRAINAGE CHANNEL
-
-
-
- Ø150 SWD 6.48m 1:100
- SW MH 01.00
CL 00.00
IL 00.00
SIL 00.00
TYPE C MH
CATCHPIT
D400
- MANHOLE REFERENCE:
COVER LEVEL,
INVERT LEVEL,
SUMP INVERT LEVEL,
MH TYPE,
CATCHPIT MANHOLE (IF REQUIRED),
COVER GRADE
- RAIN WATER HARVESTING TANK
GL = GROUND LEVEL
TOTL = TOP OF TANK LEVEL
BOTL = BOTTOM OF TANK LEVEL
- FOR INFORMATION
- INFORMATIVE

DRAINAGE NOTES:

- ALL PIPES TO BE ADOPTED, OR CONNECTING TO ADOPTED SEWERS, AND/OR SITUATED UNDER HIGHWAY TO BE VITRIFIED CLAY TO BS EN 295 & BS55 (SWS ONLY), OR CONCRETE PIPES TO BE EN 1916 & BS5911-PART 1, OR THERMOPLASTIC STRUCTURED WALL SEWER PIPES TO WIS 4-35-01 (CLASS S4/S50M) AND BE CAPABLE OF WITHSTANDING 4000 PSI JETTING PRESSURE. PRIVATE PIPES MAY BE VC OR PLASTIC.
- FOR CONSTRUCTION DETAILS REFER TO THE RELEVANT MICHAEL BARCLAY PROJECTS (MBP) DRAWING NUMBERS LISTED ON THE DRAWING ISSUE SHEET.
- ALL DRAINAGE WORKS SHOULD COMMENCE AT THE PROPOSED SURFACE WATER CONNECTION POINT. THE WORKS CONTINUING UPSTREAM FOLLOWING CONFIRMATION OF THE TIE-IN INVERT LEVELS TO THE ENGINEER. CONNECTIONS TO MANHOLES OR LARGER SIZED PIPES ETC. SHOULD BE SOFFIT TO SOFFIT UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER. IF THIS IS NOT POSSIBLE INFORM THE ENGINEER IMMEDIATELY.
- ROAD GULLY PIPES ARE TO BE 150mm DIA. WITH CONCRETE SURROUND AND FLEXIBLE JOINTS. ALL OTHER UN-REFERENCED PIPES ARE ASSUMED TO BE 100mm DIA.
 - FW MIN GRADIENT - 1 IN 40 (100 DIA) NO WC'S CONNECTED
 - FW MIN GRADIENT - 1 IN 80 (100 DIA) MIN 1 WC CONNECTED
 - FW MIN GRADIENT - 1 IN 150 (150 DIA) MIN 5 WC'S CONNECTED
 - SW MIN GRADIENT - 1 IN 100 (100 DIA)
 - SW MIN GRADIENT - 1 IN 150 (150 DIA)
- ALL GULLIES SHALL BE FITTED WITH GRADE D400 GRATINGS AND FRAMES TO BS EN124, UNLESS OTHERWISE STATED.
- IN ORDER TO MAINTAIN THE SATISFACTORY FUNCTIONING OF SURFACE WATER SEWERS, ALL ROAD AND YARD GULLIES ARE TO BE "TRAPPED".
- ALL PRIVATE DRAINAGE TO BE IN ACCORDANCE WITH THE BUILDING REGULATIONS APPROVED DOCUMENT PART-H, AND TO THE SATISFACTION OF THE BUILDING CONTROL INSPECTOR.
- WHERE DRAINS PASS THROUGH FOUNDATIONS OR CONNECT TO MANHOLES, A FLEXIBLE PIPE JOINT SHOULD BE PROVIDED TO FORM A ROCKER PIPE IN ACCORDANCE WITH THE STANDARD DETAIL PROVIDED..
- SHALLOW PRIVATE DRAINS MAY REQUIRE PROTECTION USING CLASS 'Z' CONCRETE SURROUND OR PAVING SLABS BRIDGING THE TRENCH SUBJECT TO THE INHC INSPECTOR'S REQUIREMENTS.
- WHERE DRAINAGE RUNS PASS CLOSE TO BUILDINGS OR THEIR INVERT LEVELS ARE BELOW FOUNDATION LEVEL, THEN THE TRENCHES ARE TO BE BACK FILLED IN ACCORDANCE WITH THE STANDARD DETAIL PROVIDED.
- REFERENCE SHOULD BE MADE TO THE STRUCTURAL ENGINEER'S DETAILS FOR ALL ASPECTS OF FOUNDATION DESIGN AND CONSTRUCTION.
- THE CONTRACTOR IS TO KEEP A RECORD OF ANY VARIATIONS MADE ON SITE, INCLUDING THE RELOCATION OF SEWERS OR DRAINS, SO THAT AN AS CONSTRUCTED DRAWING CAN BE PREPARED UPON COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHOULD CHECK ALL DIMENSIONS ON SITE. NO DIMENSIONS ARE TO BE SCALED FROM THESE DRAWINGS.
- IT IS THE CONTRACTORS/SUBCONTRACTORS RESPONSIBILITY TO ENSURE COMPLIANCE WITH THE CURRENT BUILDING REGULATIONS AND CODES OF PRACTICE.
- UNLESS OTHERWISE NOTED OR SIMILAR APPROVED CHANNEL DRAINS TO BE ADO MULTI DRAIN WITH A15 GRATING IN PEDESTRIAN AREAS, C250 IN CAR PARKS AND D400 IN CARRIAGEWAYS. SLOTTED CHANNEL TO BE USED FOR AREAS WITH FALLS <1:15 MESH GRATING TO BE USED WHERE FALLS >1:15.
- GULLY AND CHANNEL DRAIN POSITIONS ARE LIABLE TO AMENDMENT WHEN THE DESIGN LEVELS HAVE BEEN DETERMINED.
- ALL BELOW GROUND CONCRETE TO ACCORD WITH BS5328:1997:SULPHATE CLASS TBA.
- IF ANY SUB SOIL DRAINAGE SYSTEMS ARE UNCOVERED DURING THE WORKS CONTACT THE ENGINEER FOR INSTRUCTIONS. GENERALLY SUB SOIL DRAINS AFFECTED ARE TO BE DIVERTED AROUND NEW WORKS AND CONNECTED INTO THE SURFACE WATER DRAINAGE SYSTEM. PIPE DIAMETERS AND GRADIENTS ARE TO BE MAINTAINED.
- BEFORE COMMENCING CONSTRUCTION THE CONTRACTOR MUST CHECK THE INVERT LEVELS OF EXISTING SEWERS TO WHICH CONNECTIONS ARE MADE. IN ADDITION THE CONTRACTOR MUST LOCATE AND DETERMINE INVERT LEVELS OF THE EXISTING SPURS TO WHICH CONNECTIONS ARE PROPOSED. ADDITIONAL SPUR/MANHOLE CONNECTIONS ARE TO BE NOTIFIED TO THE ENGINEER IMMEDIATELY, PRIOR TO CONSTRUCTION.
- NO PRIVATE AREAS ARE TO DRAIN ONTO ADAPTABLE AREAS AND VICE VERSA.

IMPORTANT NOTE: CAUTION
ALL INFORMATION SHOWN ON THIS DRAWING FOR UNDERGROUND SERVICES/STATUTORY UNDERTAKERS' PLANT IS APPROXIMATE AND IS PROVIDED FOR THE CONTRACTOR'S INFORMATION ONLY. IT SHOULD NOT BE RELIED ON FOR EXCAVATION OR ANY OTHER WORKS PURPOSES AND CONTRACTORS MUST SATISFY THEMSELVES OF THEIR LOCATIONS PRIOR TO THE COMMENCEMENT OF WORKS.

0 1 2 3 4 5 6
SCALE @ A1 1:100 METRES
SCALE @ A3 1:200

NOTES:

- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
- FOR SETTING OUT REFER TO ARCHITECT'S DRAWINGS.
- ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
- DO NOT SCALE FROM THE DRAWING OR THE COMPUTER DIGITAL DATA. ONLY FIGURED DIMENSIONS TO BE USED.

P04	06/03/26	UPDATE FOR PLANNING	SPB
P03	27/02/26	UPDATE TO SUIT COMMENTS	SPB
P02	14/01/26	UPDATE TO SUIT COMMENTS	SPB
P01	12/01/26	ISSUED FOR PLANNING	SPB
Rev	Date	Description	By

Project Title
**Tottenham House Estate
Marlborough
SN8 3BE**

Drawing Title
**PROPOSED BELOW
DRAINAGE DESIGN
SOUTH PARTERRE**

Scale @ A1 1:100	Date 12/01/26	Drawn BLT	Checked TH	MBP	Consulting Engineers
Drawing Status S4 - SUITABLE FOR STAGE APPROVAL	Revision P04				
Project Drawing ID 10588-MBP-XX-00-DR-C-0601					
Project	Originator	Volume	Level	Type	Role

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