

- ## PROPOSED FEATURES DESIGNED BY OTHERS

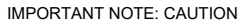
- ☐ *G* GULLY.
☒ *DP* TRENCH DRAIN DROP POINT

- ## PROPOSED FEATURES

- SUMP**
 CHANNEL DRAIN SYSTEM WITH SUMP UNIT

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|-------------|---------------------------------|
| SW MH 01.00 | MANHOLE REFERENCE: |
| CL 00.00 | COVER LEVEL, |
| IL 00.00 | INVERT LEVEL, |
| SIL 00.00 | SUMP INVERT LEVEL, |
| TYPE C MH | MH TYPE, |
| CATCHPIT | CATCHPIT MANHOLE (IF REQUIRED), |
| D400 | COVER GRADE |

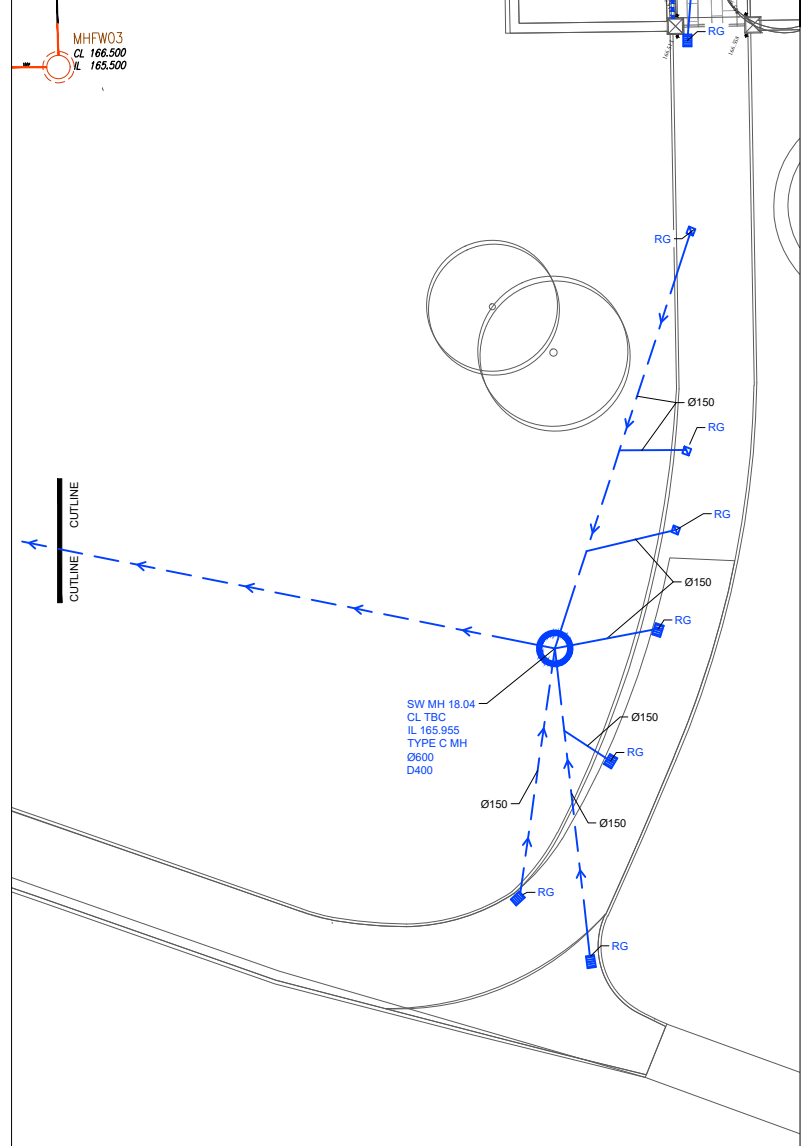
-  FOR INFORMATION



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.

NOTES:

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



DRAINAGE NOTES:

1. ALL PIPES TO BE ADOPTED, OR CONNECTING TO EXISTING SEWERS, AND/OR SITUATED UNDER HIGHWAY SHALL BE COVERED CLAY TO BS EN 124-1 & BS65 (SWS ONLY), OR CONCRETE PIPES TO BE EN 1196 & BS5911-PART 1, OR THERMOPLASTIC STRUCTURED WALL SEWER PIPES TO WS 4-35-01 (CLASS W500M) AND BE CAPABLE OF WITHSTANDING 400 PSI JETTING PRESSURE. PRIVATE PIPES MAY BE VC OR PLASTIC.
2. FOR CONSTRUCTION DETAILS REFER TO THE RELEVANT MICHAEL BURLAY PROJECTS (M&P DRAWING NUMBERS LISTED ON THE DRAWING ISSUE SHEET.
3. ALL DRAINAGE WORKS SHOULD COMMENCE AT THE PROPOSED DOWNSTREAM CONNECTION POINT. THE WORKS CONTINUING UPSTREAM FOLLOWING CONFIRMATION OF THE IN-VEIN TIE-INS. LEVELS TO BE EMPLOYED FOR ALL MAINS TO MANHOLES OR LARGER SIZED PIPES ETC. SHOULD BE SOFFIT TO SUPPORT UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER. IF THIS IS NOT POSSIBLE INFORM THE ENGINEER IMMEDIATELY.
4. ROAD GULLY PIPES ARE TO BE 150mm DIA. WITH AN INVERT 100mm BELOW THE ROAD SURFACE. JOINTS ALL OTHER UN-REFERENCED PIPES ARE ASSUMED TO BE 100mm DIA.
5. FW MIN GRADIENT - 1 IN 40 (100 DIA) NO WC'S CONNECTED
6. FW MIN GRADIENT - 1 IN 80 (100 DIA) MIN 1 WC CONNECTED
7. FW MIN GRADIENT - 1 IN 150 (150 DIA) MIN 5 WC'S CONNECTED
8. SW MIN GRADIENT - 1 IN 100 (100 DIA)
9. SW MIN GRADIENT - 1 IN 150 (150 DIA)
10. ALL GULLIES SHALL BE FITTED WITH GRADE 4040 GRATINGS AND FRAMES TO BS EN124, UNLESS OTHERWISE STATED.
11. IN ORDER TO MAINTAIN THE SATISFACTORY FLOW OF SEWAGE THROUGH THE SEWERS, ALL ROAD AND YARD GULLIES ARE TO BE "TRAPPED".
12. ALL PRIVATE DRAINAGE TO BE IN ACCORDANCE WITH THE BUILDING REGULATIONS APPROVED DOCUMENT PART-H, AND TO THE SATISFACTION OF THE BUILDING CONTROL INSPECTOR.
13. WHERE DRAINS PASS THROUGH FOUNDATIONS OR CONNECT TO MANHOLES, A FLEXIBLE PIPE JOINT MUST BE USED TO ACCOMMODATE A ROCKER PIPE IN ACCORDANCE WITH THE STANDARD DETAIL PROVIDED..
14. SHALLOW PRIVATE DRAINS MAY REQUIRE PROTECTION USING CLASS 'Z' CONCRETE SURROUND OR PAVING SLABS BRIDGING THE TRENCH SUJCT TO THE NHCIP INSPECTOR'S REQUIREMENTS.
15. TO BE BACK FILLED IN ACCORDANCE WITH THE STANDARD DETAIL PROVIDED.
16. REFERENCE SHOULD BE MADE TO THE STRUCTURAL ENGINEERS DETAILS FOR ALL ASPECTS OF FOUNDATION DESIGN AND CONSTRUCTION.
17. 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.
18. THE CONTRACTOR SHOULD CHECK ALL DIMENSIONS ON SITE. NO DIMENSIONS ARE TO BE SCALED FROM THESE DRAWINGS.
19. IT IS THE CONTRACTORS/SUBCONTRACTORS RESPONSIBILITY TO ENSURE COMPLIANCE WITH THE CURRENT BUILDING REGULATIONS AND CODES OF PRACTICE.
20. UNLESS OTHERWISE NOTED OR SIMILAR APPROVED CHANNEL DRAINS TO BE ACO MULTIDRAIN WITH A15 GRATING IN PEDESTAL (1000 x 500) OR IN CONCRETE (1000 x 500) IN CARRIAGEWAYS. SLOTTED CHANNEL TO BE USED FOR AREAS WITH FALLS <1:15 MESH GRATING TO BE USED WHERE FALLS >1:15.
21. GULLY AND CHANNEL DRAIN POSITIONS ARE LIABLE TO AMENDMENT WHEN THE DESIGN LEVELS HAVE BEEN DETERMINED.
22. ALL BELOW GROUND CONCRETE TO ACCORD WITH BS5328-1:1997/SULPHATE CLASS TBA.
23. 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 TO THE EXISTING MAIN WASTE WATER SYSTEM. PIPE DIAMETERS AND GRADIENTS ARE TO BE MAINTAINED.
24. 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 MADE. ALL ADDITIONAL SPUR/MANHOLE CONNECTIONS ARE TO BE AGREED WITH THE RELEVANT ADOPTING AUTHORITY. ANY DISCREPANCIES ARE TO BE NOTIFIED TO THE ENGINEER IMMEDIATELY, PRIOR TO CONSTRUCTION.
25. NO PRIVATE AREAS ARE TO DRAIN INTO ADAPTABLE AREAS AND VICE VERSA.

P03	09/09/26	UPDATED TO SUIT REVISED LEVELS
P02	06/08/26	UPDATED TO SUIT REVISED SITE PLAN
P01	24/04/26	PLANNING ISSUE
Rev	Date	Description

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

Drawing Title

**PROPOSED BELOW
GROUND DRAINAGE
FORECOURT**

Scale @ A1	Date	Drawn	Checked	MBP	Consulting Engineers
1:200	26/09/25	SPB	TH		

Drawing Status	
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S4 - SUITABLE FOR STAGE APPROVAL

Project Drawing ID

10588-MBP-XX-00-DR-C-0605

Business	Challenges	Mechanism	Impact	Time	Cost	Number
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