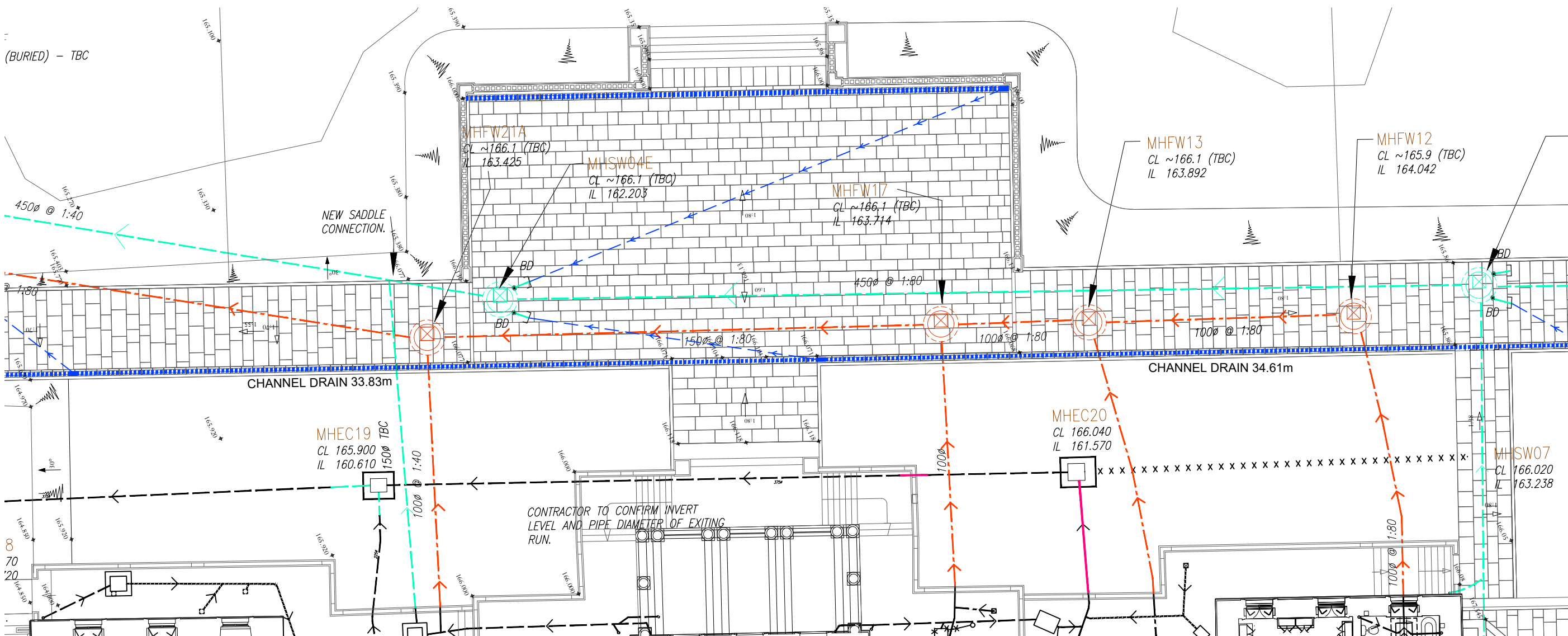
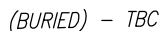




EXISTING AND ASSUMED FEATURES

- | | |
|-------|-------------------------|
| ----- | ASSUMED FOUL WATER. |
| ----- | EXISTING FOUL WATER. |
| ----- | ASSUMED SURFACE WATER. |
| ----- | EXISTING SURFACE WATER. |
| ----- | ASSUMED COMBINED. |
| ----- | EXISTING COMBINED. |

—X—X—X—X—X—X— RUN GRUBBED OUT.

PROPOSED FEATURES DESIGNED BY OTHERS

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

- | | |
|--|--|
|  <i>BD</i> | BACKDROP. |
|  <i>RE</i> | RODDING EYE. |
|  <i>NRV</i> | NON-RETURN VALVE. |
|  <i>SVP</i> | SOIL VENT PIPE. |
|  <i>CD</i> | CAVITY DRAIN. |
|  <i>RWP</i> | RAINWATER PIPE. |
|  <i>G</i> | GULLY. |
|  <i>DP</i> | TRENCH DRAIN DROP POINT |
|  | MANHOLE. |
|  | CAP IN RUN TO ALLOW FUTURE EXTENSION OF DRAINAGE |

PROPOSED FEATURES

-  SURFACE WATER DRAIN
 ROAD GULLY (TRAPPED)
 YARD GULLY (TRAPPED)
 SUMP
 DRAINAGE CHANNEL
 STORM WATER MANHOLE TYPE B
 FOR INTERNAL DIAMETER REFER TO PLAN
 DEPTH FROM COVER TO SOFFIT OF PIPE 1.5m - 3m
 STORM WATER MANHOLE TYPE C
 INTERNAL DIMENSION Ø1350
 DEPTH FROM COVER TO SOFFIT LESS THAN 1.5m
 (MAX PIPE DIAMETER 450mm)
 STORM WATER MANHOLE TYPE D
 INTERNAL DIMENSIONS 450mm MINIMUM
 DEPTH FROM COVER TO SOFFIT OF PIPE UP TO 3m
 RESTRICT ACCESS TO Ø350 IF DEPTH FROM COVER
 TO SOFFIT OF PIPE IS LESS THAN 1m
 (MAX PIPE DIAMETER 150mm 4500/4750)
 (MAX PIPE DIAMETER 225mm 6000)
 Ø150 SWD 6.48m 1:100 PIPE DETAIL: Ø, LENGTH, GRADIENT,
 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

RAIN WATER HARVESTING TANK
GL = GROUND LEVEL
TOTL = TOP OF TANK LEVEL
BOTL = BOTTOM OF TANK LEVEL

FOR INFORMATION



INFORMATIVE



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.

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.

P02	22/12/25	SCALE BAR ADDED
P01	09/12/25	ISSUED FOR PLANNING
Rev	Date	Description

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

Drawing Title

**PROPOSED BELOW
DRAINAGE DESIGN
EAST TERRACE**

Scale @ A1	Date	Drawn	Checked
1:200	26/09/25	BLT	TH
Drawing Status			Revision
S4 - SUITABLE FOR STAGE APPROVAL			P02
Project Drawing ID			
10588-MBP-XX-00-DR-C-0501			

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DRAINAGE NOTES:

1. ALL PIPES TO BE ADOPTED, OR CONNECTING TO ADOPTED SEWERS, AND/OR SITUATED UNDER HIGHWAY TO BE VITRIFIED CLAY TO BS EN 295 & 410. HOWEVER ONLY 150mm DIA. CONCRETE PIPES TO BE EN 1916 & BS5911:PART 1. OR THERMOPLASTIC STRUCTURED WALL SEWER PIPES TO W5 43-01 (4000) 3000MM DIA. WITH A MINIMUM OF 10% WITHSTANDING 4000 PSI JETTING PRESSURE. PRIVATE PIPES MAY BE VC OR PLASTIC.
2. FOR CONSTRUCTION DETAILS REFER TO THE RELEVANT MICHAEL BACRLAY PROJECTS (MBP) DRAWINGS 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 TIE-IN INVERT TO SUIT THE ENGINEER'S 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.
4. ROAD GULLY PIPES ARE TO BE 150mm DIA. WITH JETSETTE SURROUND. ALL CONNECTIONS TO ALL OTHER UNREFERENCED 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 (150 DIA) MIN 5 WC'S CONNECTED
 - FW MIN GRADIENT - 1 IN 100 (100 DIA) MIN 5 WC'S CONNECTED
 - SW MIN GRADIENT - 1 IN 100 (100 DIA)
 - SW MIN GRADIENT - 1 IN 150 (150 DIA)
5. ALL GULLIES SHALL BE FITTED WITH GRADE D400 GRATINGS AND FRAMES TO BS EN124, UNLESS OTHERWISE STATED.
6. IN ORDER TO MAINTAIN THE SATISFACTORY FUNCTIONING OF SURFACE WATER SEWERS, ALL ROAD AND YARD GULLIES ARE TO BE "TRAPPED".
7. ALL PRIVATE DRAINAGE TO BE IN ACCORDANCE WITH THE BUILDING REGULATIONS APPROVED DOCUMENT PART-H. AND TO THE SATISFACTION OF THE BUILDING CONTROL INSPECTOR.
8. 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..
9. SHALLOW PRIVATE DRAINS MAY REQUIRE PROTECTION USING CLASS 'Z' CONCRETE SURROUND OR PAVING SLABS BRIDGING THE TRENCH SUBJECT TO THE INHS INSPECTOR'S REQUIREMENTS.
10. WHERE DRAINAGE RUNS PASS CLOSE TO BUILDINGS OR THEIR INVERT LEVELS ARE BELOW FOUNDATION LEVEL, THEN THE TRENCHES ARE TO BE BACKFILL FILLING TO THE STANDARD DETAIL PROVIDED.
11. REFERENCE SHOULD BE MADE TO THE STRUCTURAL ENGINEERS DETAILS FOR ALL ASPECTS OF FOUNDATION DESIGN AND CONSTRUCTION.
12. THE CONTRACTOR IS TO KEEP A RECORD OF ANY VARIATIONS MADE ON SITE, INCLUDING THE REASON FOR THE VARIATION AND THAT AN AS CONSTRUCTED DRAWING CAN BE PREPARED UPON COMPLETION OF THE PROJECT.
13. THE CONTRACTOR SHOULD CHECK ALL DIMENSIONS ON SITE. NO DIMENSIONS ARE TO BE SCALED FROM THESE DRAWINGS.
14. IT IS THE CONTRACTORS/SUBCONTRACTORS RESPONSIBILITY TO ENSURE COMPLIANCE WITH THE CURB AND GUTTERING REGULATIONS AND CODES OF PRACTICE.
15. UNLESS OTHERWISE NOTED OR SIMILAR APPROVED CHANNEL DRAINS TO BE ACO MULTIDRAIN WITH A15 GRATING IN PEDESTRIAN AREAS, C250 IN CAR PARKS AND D400 IN CARPARKWAYS. ALL DRAINS ARE TO BE USED FOR AREAS WITH FALLS < 1:15 MESH GRATING TO BE USED WHERE FALLS > 1:15.
16. GULLY AND CHANNEL DRAIN POSITIONS ARE LIKELY TO AMENDMENT WHEN THE DESIGN LEVELS HAVE BEEN DETERMINED.
17. ALL BELOW GROUND CONCRETE TO ACCORD WITH BS5328-1997: SULPHATE CLASS TBA.
18. 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 DRAFTERS AND GRADIENTS ARE TO BE MAINTAINED.
19. 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 UNREFERENCED PIPES ARE TO BE TO BE AGREED WITH THE RELEVANT ADOPTING AUTHORITY. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY, PRIOR TO CONSTRUCTION.
20. NO PRIVATE AREAS ARE TO DRAIN ONTO ADAPTABLE AREAS AND DRAIN VERSA.