

DRAINAGE NOTES:

1. ALL WORKS TO BE CONDUCTED IN STRICT ACCORDANCE WITH SPECIFICATION OF THE LOCAL AUTHORITY & BS EN 752:2017.
2. ALL PIPE RUNS NEAR BUILDINGS TO COMPLY WITH THE LATEST BUILDING REGULATIONS PART H1. WHERE A PIPE IS WITHIN 1m OF A FOUNDATION THE TRENCH SHALL BE FILLED WITH CLASS GEN3 CONCRETE UP TO THE LOWEST LEVEL OF THE FOUNDATION. WHERE THE TRENCH IS FURTHER THAN 1m FROM THE FOUNDATION, THE TRENCH SHALL BE FILLED WITH CLASS GEN3 CONCRETE TO A LEVEL BELOW THE LOWEST LEVEL FOR THE FOUNDATION EQUAL TO THE DISTANCE FROM THE FOUNDATION LESS 150mm. IN BOTH CASES THE PIPE SHALL BE BEDDED AND SURROUNDED IN 150mm THICK CLASS GEN3 CONCRETE.
3. WHERE PIPES, EXTERNAL TO THE STRUCTURES, HAVE A DEPTH TO SOFFIT FROM GROUND LEVEL OF LESS THAN 600mm THEY SHALL HAVE A CLASS GEN3 CONCRETE ENCASEMENT (150mm THICK).
4. WHERE A PIPE, UNDER A CARRIAGEWAY, HAS A DEPTH OF COVER OF LESS THAN 1.2m THE PIPE SHALL BE LAID IN A CLASS 2 BEDDING.
5. WHERE PIPES ARE BEDDED AND SURROUNDED IN CONCRETE, FLEXIBLE JOINTS SHOULD BE PROVIDED. COMPRESSIBLE BOARDS (FIBREBOARD OR POLYSTYRENE) SHALL BE PROVIDED AT A MAXIMUM OF 8m CENTRES (COINCIDING WITH PIPE JOINTS). THE BOARDS SHALL BE PRE-CUT TO PIPE DIAMETER AND TO A HEIGHT AND WIDTH EQUAL TO THE CONCRETE CROSS SECTION. A BOARD THICKNESS OF 18mm FOR PIPES UP TO 450mm NOMINAL DIAMETER AND 36mm FOR PIPES OVER 450mm NOMINAL DIAMETER.
6. ALL PRIVATE BUILDING DRAINAGE SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH BS EN 752:2017.
7. UNLESS OTHERWISE SPECIFIED, BUILDING DRAINAGE TO BE 150mm INTERNAL DIAMETER.
8. MINIMUM GRADIENT FOR Ø100mm SURFACE DRAINAGE PIPES IS 1:60, AND Ø150mm IS 1:100 U.N.O.
9. MINIMUM GRADIENTS FOR FOUL DRAINAGE PIPES: Ø100mm: 1:40 WHERE FLOW IS LESS THAN 1/US, OR WHERE NO WCS ARE CONNECTED. Ø100mm: 1:80 WHERE FLOW IS 1/US OR GREATER, OR WHERE AT LEAST 1NO. WC IS CONNECTED. Ø150mm: 1:135 WHERE FLOW IS LESS THAN S/US, OR WHERE UP TO 5NO. WCS ARE CONNECTED. Ø150mm: 1:150 WHERE FLOW IS S/US OR GREATER, OR WHERE 5NO. OR MORE WCS ARE CONNECTED
10. Ø450mm PPIC'S TO HAVE A Ø150mm TO Ø225mm REDUCER FOR ALL OUTFALL CONNECTIONS TO A Ø225mm PIPE. NO Ø225mm PIPES TO CONNECT AS INLETS TO Ø450 PPIC'S, Ø600 PPIC'S TO BE USED IN THIS OCCURRENCE.
11. ALL GULLIES NOT CONNECTED TO INSPECTION CHAMBERS ARE TO BE RODDABLE.
12. ALL GULLY CONNECTIONS OTHER THAN THOSE AT MANHOLES TO BE MADE VIA 'Y' JUNCTIONS.
13. GULLIES COINCIDENT WITH PEDESTRIAN/ DRIVE CROSSINGS TO HAVE PEDESTRIAN TYPE GULLY COVERS.
14. ALL ROAD GULLY CONNECTIONS TO BE 150mm DIAMETER AND ANY GULLY CONNECTIONS SUBJECT TO TRAFFIC LOADING TO HAVE CLASS 2 BEDDING & SURROUND.
15. ALL STUB STACKS TO BE FITTED WITH AIR ADMITTANCE VALVES WHERE BRANCH DRAIN EXCEEDS 12m EXCEPT AT THE HEAD OF THE RUN. SOIL VENT PIPES LOCATED AT THE HEAD OF A RUN TO BE INSTALLED WITH ROOF TILE VENT.
16. ALL CONNECTIONS TO BE MADE FROM SOFFIT TO SOFFIT UNLESS WERE NOTED OTHERWISE.
17. ALL MANHOLES SHALL BE WATERTIGHT.
18. TRENCH TEMPORARY FORMWORK IS REQUIRED TO ALL EXCAVATIONS EXCEEDING 1.2m DEPTH TO PROVIDE ADEQUATE SUPPORT AND STABILITY AT ALL TIMES.
19. SEWERS ARE TO BE CONSTRUCTED IN SINGLE SECTIONS BETWEEN MANHOLES ONLY. TRENCHES TO BE BACKFILLED PRIOR TO EXCAVATING THE SUCCEEDING SEWER RUN.
20. ALL CONCRETE AND CONCRETE PRODUCTS TO BE IN ACCORDANCE WITH BRE SPECIAL DIGEST 1 FOR SULPHATES.
21. WHERE SEWER OR DRAINS ARE TO BE ABANDONED THEY SHALL BE REMOVED OR INFILLED BY GROUTING IN ACCORDANCE WITH THE CIVIL ENGINEER SPECIFICATION FOR THE WATER INDUSTRY 7TH EDITION, CLAUSE S.23.
22. EXTERNAL RAIN WATER PIPES TO HAVE ACCESS POINTS 1m ABOVE GROUND LEVEL.
23. ALL RWP, SVP AND SS LOCATIONS TO HAVE ABOVE GROUND RODDABLE ACCESS POINTS BY M&E.
24. ALL DRAINAGE TO BE CCTV SURVEYED FOLLOWING CONSTRUCTION.
25. REFER TO SPECIFICATION FOR DETAILS OF PIPE BEDDING BENEATH / ADJACENT TO FLOOR SLAB & FOUNDATIONS.
26. THE CONTRACTOR SHALL CHECK ALL EXISTING MANHOLE INVERT LEVELS PRIOR TO THE COMMENCEMENT OF ANY DRAINAGE WORKS AND REPORT HIS FINDINGS BACK TO THE ENGINEER IN WRITING.
27. WHERE PROPOSED DRAINAGE PIPE WORK RUNS ARE IN CLOSE PROXIMITY TO THE NEW FOUNDATIONS, THE CONTRACTOR SHALL ALLOW FOR EXTENDING THE DEPTH OF NEW FOUNDATIONS IN LEAN MIX CONCRETE DOWN TO THE PROPOSED PIPE BEDDING LEVEL, EXCLUDING WHERE SITE HAS PILED FOUNDATIONS

LEGEND

-  SITE BOUNDARY
 PROPOSED FOUL DRAIN
 PROPOSED SURFACE WATER DRAIN
 PROPOSED SW MANHOLE
 PROPOSED FOUL MANHOLE
 RAINWATER PIPE
 RODDING EYE
 SOIL VENT PIPE
 SEPTIC TANK

Notes

- NOTES ARE INTENDED TO AUGMENT DRAWINGS AND SPECIFICATIONS. WHERE CONFLICT OF REQUIREMENTS EXISTS THE ORDER OF PRECEDENCE SHALL BE AS SHOWN IN THE SPECIFICATIONS. OTHERWISE THE STRICTEST PROVISION SHALL GOVERN.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS AND ARCHITECTS DRAWINGS TOGETHER WITH THE APPROPRIATE SPECIFICATIONS.
- ALL DIMENSIONS ARE IN mm. ALL LEVELS ARE IN m U.O.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK ALL DIMENSIONS ON SITE. ANY DISCREPANCIES TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT/ENGINEER IN WRITING. FURTHER INSTRUCTIONS OBTAINED BEFORE WORK IS COMMENCED.
- DO NOT SCALE. IF IN DOUBT, ASK. DRAWINGS NOT TO BE SCALED.

GENERAL NOTES:

1. THE WORKS SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, NATIONAL BUILDING SPECIFICATION (NBS) BUILDING REGULATIONS PART 8 & VOLUME 1 OF THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS DRAWINGS, ARCHITECTS DRAWINGS, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.
3. THE LOCATION, LINE & LEVEL OF ALL KNOWN EXISTING BURIED SERVICE MAINS AND DRAINAGE PIPEWORK INDICATED ON THE DRAWINGS ARE APPROXIMATE AND FOR GUIDANCE PURPOSES ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THEIR EXACT LINE & LEVEL. BY WAY OF HAND EXCAVATED TRIAL PITS. PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION WORKS ON SITE. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN THE STRUCTURAL INTEGRITY OF ALL ABOVE AND BELOW GROUND SERVICE MAINS / DRAINAGE INSTALLATIONS.
4. THE CONTRACTOR MUST COMPLY WITH ALL CURRENT LEGISLATION RELATING TO HEALTH & SAFETY.
5. THE MAIN CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF ALL TEMPORARY WORKS, AND IS ALSO RESPONSIBLE FOR THE SAFE MAINTENANCE AND STABILITY OF EXISTING BUILDINGS AT ALL TIMES.
6. THE MAIN CONTRACTOR IS RESPONSIBLE FOR THE MITIGATION OF ALL OCCURRENCES OF GROUND WATER DURING THE CONSTRUCTION PERIOD.
7. THE CONTRACTOR SHALL MAKE ALLOWANCE FOR RAISING / LOWERING ALL EXISTING ACCESS COVERS & FRAMES TO SUIT NEW FINISHED LEVELS.
8. CONTRACTOR TO CONFIRM THE CONDITION OF THE EXISTING PIPES BEFORE REUSE. ANY PIPES THAT ARE BROKEN SHOULD BE LINED, REPAIRED OR REPLACED. ANY PIPES THAT ARE BLOCKED SHOULD BE CLEARED.
9. ALL SOFT / HARD PAVED AREAS AFFECTED BY THE WORKS SHALL BE FULLY REINSTATED UPON COMPLETION OF THE WORKS. ALL SURFACE MARKINGS DAMAGED BY THE WORKS SHALL BE FULLY REINSTATED.
10. ALL SURPLUS EXCAVATED MATERIAL SHALL BE DISPOSED OF OFF SITE.
11. ALL LEVELS ARE TO ORDNANCE DATUM.



CONTRACTOR TO CONFIRM AND SATISFY THEMSELVES
OF EXACT LOCATION OF EXISTING UNDERGROUND
SERVICES AND DRAINAGE



DRAINAGE DESIGN SUBJECT TO APPROVAL FROM
LOCAL AUTHORITY AND UNITED UTILITIES

NOTE: PROPOSED LEVELS TO BE CONFIRMED BY THE ARCHITECT

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REV	DATE	BY	DESCRIPTION	APPD

S2 - SUITABLE FOR INFORMATION

Client

MR & MRS M. TALBOT

GGP
CONSULT
HULL | YORK | ROTHERHAM
www.ggpconsult.co.uk
info@ggpconsult.co.uk
(01482) 627963

Project

HIGHER MOORGATE COTTAGE, GRISTLEHURST, OL104BJ

Title

CHICKEN SHED PROPOSED DRAINAGE GENERAL ARRANGEMENT SITE PLAN

Scale	1:500 @ A1	Date		SEPT 2026	Revision P01
Drawn	SDB	Checked	LF	Approved	

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