



Design Team

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Date	20/06/23
Company Project No.	C2209163
M.S. Project No.	P-17693

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Revisions

No.	Date	Description
P01	22.06.23	FOR COMMENT
P02	27.06.23	FOR COMMENT
P03	30.06.23	FOR COMMENT
P04	29.09.23	FOR COMMENT
P05	03.10.23	FOR COMMENT
P06	03.11.23	ISSUED FOR PLANNING

Registration

Key Plan

Bar Code

Sheet Title/Number

LEGEND

- PROPOSED SITE BOUNDARY
- EXISTING STORM WATER SEWER
- PROPOSED FOUL WATER SEWER
- EXISTING BT
- EXISTING CATV
- EXISTING ELECTRIC
- EXISTING CABLES
- UNDERGROUND UNIDENTIFIED SERVICES
- UNDERGROUND UNIDENTIFIED PIPE
- EXISTING FOUL RISING MAIN
- EXISTING PUBLIC SURFACE WATER OVERFLOW SEWER
- EXISTING PUBLIC COMBINED SEWER
- WELSH WATER 12m EASEMENT FOR COMBINED SEWER
- WELSH WATER 10m EASEMENT FOR STORM WATER SEWER
- EXISTING SERVICES TO BE REMOVED
- PROPOSED DIVERTED STORM WATER SEWER
- PROPOSED DIVERTED FOUL WATER SEWER
- PROPOSED FOUL WATER SEWER
- PROPOSED FOUL RISING MAIN
- PROPOSED PUMPING CHAMBER
- FOUL WATER STORAGE TANK
- EXISTING WATERCOURSE

DRAINAGE NOTES

1. CONTRACTOR TO CONFIRM THE APPROVAL FOR THE TYPE OF PIPE AND BEDDING BEING USED WITH THE PERMITTING AUTHORITY PRIOR TO ANY CONSTRUCTION COMMENCING.
2. ALL WORKS TO THE ADOPTABLE SYSTEM ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CODES FOR ADOPTION, DESIGN AND CONSTRUCTION GUIDANCE.
3. ALL WORKS TO THE PRIVATE SYSTEM ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE BUILDING REGULATIONS APPROVED DOCUMENT H 2015 EDITION.
4. ALL PRECAST CONCRETE UNITS ARE TO BE TO BS 5911 (CLASS 3 SULPHATE RESISTANT CEMENT).
5. ALL PROPOSED MANHOLE COVERS AND FRAMES ARE TO BE DUCTILE IRON COMPLYING WITH BS EN 124.
6. ANY TRAFFIC MANAGEMENT REQUIRED TO UNDERTAKE WORKS IN THE PUBLIC HIGHWAY MUST BE APPROVED BY THE LOCAL AUTHORITY PRIOR TO THESE WORKS COMMENCING.
7. ALL WORKS IN THE PUBLIC HIGHWAY MUST BE CARRIED OUT WITH THE PRIOR APPROVAL AND TO THE SATISFACTION OF THE LOCAL HIGHWAY AUTHORITY.
8. THE CONTRACTOR IS TO LAISE WITH THE WATER AUTHORITY ENGINEER, AFFORDING THEM REASONABLE NOTICE TO INSPECT THE WORKS DURING CONSTRUCTION.
9. THE CONTRACTOR IS TO ALLOW FOR JET WASHING AND COVY OF ALL LENGTHS OF EXISTING SEWERS WHICH ARE TO BE RETAINED.
10. ALL PRIVATE DRAINAGE WORKS TO BE IN ACCORDANCE WITH BS EN 752.
11. THE CONTRACTOR MUST CHECK THE LEVELS AND CONDITION OF ALL EXISTING MANHOLES AND DRAINAGE OUTFALLS PRIOR TO CONSTRUCTION OF ANY DRAINAGE, UNLESS OTHERWISE AGREED. TO ENSURE THE PROPOSED DESIGN MAY BE ACHIEVED, ANY DISCREPANCIES MUST BE REPORTED TO PINNACLE IMMEDIATELY.
12. THE CONTRACTOR IS TO KEEP A RECORD OF ANY VARIATIONS MADE ON SITE FOR THEIR "AS BUILT" DRAWINGS, TO BE PREPARED ON PROJECT COMPLETION.
13. ALL MANHOLE COVER LEVELS ARE APPROXIMATE AND SHOULD BE ADJUSTED TO SUIT THE ARCHITECT'S PROPOSED LEVELS.
14. CONTRACTOR IS TO ALLOW FOR ALL ABANDONED DRAINAGE RUNS AND MANHOLES / SOAKAWAYS TO BE FULLY GROUTED UP OR REMOVED AS NECESSARY.
15. ALL OIL INTERCEPTORS TO BE FITTED WITH OIL LEVEL ALARMS AND TO TERMINATE IN CUSTOMER SERVICES OR STAFF RECEPTION (TO BE AGREED WITH ARCHITECT / CLIENT). ALL INTERCEPTORS TO BE VENTED. LOCATION OF VENT PIPES TO BE AGREED BY THE DESIGN TEAM. CONTRACTOR TO ALLOW FOR POWER SUPPLY AND DUCTING AS NECESSARY.
16. ALL BURIED MANHOLES TO BE REINSTATED AND INVERT LEVELS SUPPLIED TO PINNACLE. MANHOLE COVERS ARE TO BE BROUGHT UP TO THE REQUIRED LEVELS.
17. ALL DRAINAGE CHANNEL AND GULLY GRATINGS TO BE CAST IRON 'HEELGUARD' AND TO D400 LOADING UNLESS OTHERWISE AGREED.
18. ACO CHANNEL SLUMPS ARE REQUIRED AT 80m SPACING AND AT PIPE CONNECTIONS.
19. ALL MANHOLE COVERS TO BE D400 LOADING UNLESS OTHERWISE AGREED OR AS SHOWN IN THE DRAWING.
20. ALL MANHOLE COVERS, DRAINAGE CHANNELS, AND GULLIES TO BE SET 5mm LOWER THAN THE PROPOSED FINISHED LEVELS.
21. ALL RWP, SVP AND FOUL DRAINAGE POSITIONS, SIZES INCLUDING UNDERSLAB GULLIES, ARE TO BE CONFIRMED BY THE ARCHITECT.
22. ALL SURFACE WATER AND RAIN WATER PIPEWORK ARE TO BE LAID TO A MINIMUM FALL OF 1 IN 100 UNLESS NOTED OTHERWISE. ALL FOUL WATER PIPEWORK TO BE LAID TO A MINIMUM FALL OF 1 IN 40 UNLESS NOTED OTHERWISE.
23. ALL CHAMBERS SIZES ARE TO BE 1200mmØ PRECAST CONCRETE RINGS UNLESS OTHERWISE AGREED.
24. ALL SPECIALIST / PROPRIETARY PRODUCTS SUCH AS SEPARATORS, ATTENUATION TANKS, CHANNEL DRAINS, SOAKAWAYS, PACKAGE PUMPING STATION AND WATER TREATMENT UNITS TO BE INSTALLED AS PER THE MANUFACTURER'S INSTALLATION DETAILS AND SPECIFICATIONS.
25. UNLESS NOTED OTHERWISE, ALL LATERAL CONNECTIONS ARE TO BE INSTALLED WITH LEVEL SOFFETS TO THE DIAMETER AND GRADIENTS SHOWN ON THE LAYOUT DRAWING. ANY PIPE BENDS SHOULD BE PROVIDED TO SUIT THE DIRECTION OF FLOW & NO PIPEWORK SHOULD BE DOWNSIZED IN THE DIRECTION OF FLOW.
26. ALL SIPHONIC RAIN WATER PIPES ARE TO DISCHARGE TO A PRECAST CONCRETE CHAMBER, NO DIRECT CONNECTIONS ARE PERMITTED.
27. ALL MANHOLES WITH CONNECTIONS FROM SIPHONIC RAIN WATER PIPES ARE TO HAVE VENTED COVERS.
28. ALL INTERNAL MANHOLES ARE TO BE DOUBLE SEALED RECESSED COVERS.
29. SURFACE WATER STORAGE TANKS ARE TO BE PREFABRICATED GRATES WITH A VOID RATIO OF 95% OR GREATER, INSTALLED TO MANUFACTURER'S GUIDELINES.

