



NOTES

1. ALL DRAINAGE WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE WATER SERVICES AUTHORITY/SEWERAGE AGENCY REQUIREMENTS AND SPECIFICATIONS.
2. ALL PRIVATE DRAINAGE WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH BUILDING REGULATIONS 2000 (SECTION 8) AND THE DRAINAGE ACT 1985.
3. COMPENSATION TO SURROUNDING PROPERTY SHALL BE THE RESPONSIBILITY OF THE DRAINAGE SERVICE.
4. THE CONTRACTOR SHALL ALLOW FOR THE PROTECTION, TOLERANCE AND REPAIR OF EXISTING SERVICES AND REPAIRS TO BE UNDERTAKEN BY THE DRAINAGE SERVICE.
5. THE CONTRACTOR SHALL ALLOW FOR ALL TRAFFIC IMPAIRMENT IN CONNECTION WITH ROAD AND SEWER WORKS.
6. THE CONTRACTOR SHALL ALLOW FOR KEEPING SERVICES TRENCHES AND EXPOSURES AS PER SPECIFICATION BY PAVING FROM TEMPORARY SIGNS AND DEMARCATION AS APPROPRIATE TO THE POINT AND METHOD OF DISCONNECT TO BE INSTALLED WITH THE DRAINAGE AUTHORITY.
7. PIPES UP TO AND INCLUDING 300mm TO BE INVESTIGATED P.V.C. PIPES 375mm AND GREATER TO BE CONCRETE CLASS II.
8. NEW AND PROPOSED CONCRETE UNITS SHALL HAVE SUITABLE RESISTIVE PORTLAND CEMENT TO BS 4027, UNLESS INDICATED OTHERWISE WITH THE ADJOINING AUTHORITY.
9. PRECAST CONCRETE PRODUCTS SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS 5911 AND BE MANUFACTURED CONCRETE PIPES TO BE CLASS H UNLESS NOTED OTHERWISE.
10. MANHOLE COVERS AND FRAMES SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS 5911 AND BE MANUFACTURED CONCRETE PIPES TO BE CLASS H UNLESS NOTED OTHERWISE.
11. GULLY GRATES AND FRAMES SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS 5914 AND BE MANUFACTURED CONCRETE UNITS WITH CAST IRON GRATES AND FRAMES UNLESS OTHERWISE NOTED.
12. CLASS 2 RIBBED STEEL SHALL BE PROVIDED WHERE COVER TO THE PIPE BARREL IS LESS THAN 200mm AND WHERE THE COVER IS LESS THAN 150mm.
13. WHERE CLASS 2 RIBBED STEEL IS USED, THE CONCRETE BED AND SURROUNDING SOIL SHALL BE COMPACTED TO THE FULL CROSS SECTION OF THE PIPE.
14. SELECTED BACKFILL MATERIAL SHALL CONSIST OF UNGRAVELLED MATERIAL FREE FROM STONES LARGER THAN 40mm, CLAY LUMPS LARGER THAN 75mm, TREE ROOTS, ORGANIC MATTER EXCEEDING 2% AND MATERIAL NOT SUITABLE FOR ROAD CONSTRUCTION.
15. SLOPE DRAINAGE WORKS TO BE SET FROM STREETS, LARGES THAN 40mm, ORGANIC MATTER AND EXCEEDING 2% SHALL BE PROVIDED TO THE FULL CROSS SECTION OF THE PIPE.
16. BACKFILLING AND REINSTATEMENT TO TRENCHES IN PUBLIC HIGHWAYS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS AND SPECIFICATIONS OF THE ADJOINING AUTHORITY. STREET WORKS REGULATIONS 1997 AND RELEVANT PROVISIONS OF H.A.L.C. SPECIFICATION 71 OF THE NEW ROADS AND STREET WORKS ACT 1991.
17. BOWTIE TO DRAINAGE TRENCHES IN HARD PAVED AREAS SHALL BE C.S.B. TYPE 1.
18. ALL ROAD GULLIES ARE TO BE TRAPPED GULLIES.
19. ALL ROAD GULLY LEADS TO BE 150mm DIAMETER.
20. ALL RELEVANT EXISTING DRAINAGE TO BE GATHERED UP OR GROUNDED, ANY EXISTING LINE DRAINAGE SHOULD BE REGRADED TO THE GROUND AND RECONNECTED.
21. ALL ROAD GULLIES & LEADS TO BE CLEARED OF DEBRIS UPON COMPLETION OF WORKS.
22. ANY EXISTING DRAINAGE WHICH BECOMES UNDER TRENCHING AREAS IN THE NEW SPECIFIC IS SHALL BE SUBJECT TO THE FOLLOWING REVISIONS/REVISIONS WHERE DEPTH OF COVER IS LESS THAN 200mm TO THE EXISTING FRAME SHALL BE EXPOSED & SURROUNDED WITH FRAME IS NOT TO MANHOLE DETAIL A OR B, OR TO BS497 GRADE A, OR EN172 CLASS D, THEN IT SHOULD BE CHANGED FOR SUCH.
23. THE CONTRACTOR MUST ENSURE THAT ANY OF THE EXISTING DRAINAGE WHICH IS LINE IS EXPOSED DURING OVER COMPLETION.
24. CONTRACTOR TO TAKE MEASURES TO PROTECT HIS OPERATES WITH REGARD TO THE ADJOINING AUTHORITY AND TO BE RESPONSIBLE FOR THE USE OF HIS MACHINERY, EQUIPMENT AND REPAIRING APPARATUS AS REQUIRED.
25. CONTRACTOR TO APPLY FOR SEWER PENETRATION AND ROAD OPENING PERMITS AS NECESSARY FROM THE APPROPRIATE AUTHORITIES, PRIOR TO COMMENCING WORKS.

KEY

- Proposed surface water drainage
- Proposed foul water drainage
- Proposed foul water manhole
- Gully
- Extent of Easement

FLOOD FLOW ROUTE KEY

- No flooding occurs from proposed drainage system for storm events up to a 1 in 100 year 4.30t climate change event (refer to calculations)
- Anticipated flood flow route as a result of WWL sewer flooding.
- Anticipated areas of ponding from review of existing levels

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RESULT A SAFETY: CONTRACTOR SHOULD BE AWARE OF GENERAL CONSTRUCTION RISKS TO PREVENT SIPS, PILES AND PALS AND TAKE NECESSARY PRECAUTIONS WITHOUT SPECIAL INSTRUCTION.

2. CONTRACTOR TO REMOVE TRENCH SHORERS AS APPROPRIATE AND ENSURE THAT PLANT REMAINS A SAFE DISTANCE FROM TRENCHES PRIOR TO INSTALLED DRAINAGE TRENCHES SHOULD BE SURROUNDED BY A BARRIER.

4. CONNECTIONS TO EXISTING SERVICES TO BE MADE BY A NEW APPROVED CONTRACTOR ONLY. UNPROTECTED SERVICES TO BE COVERED WITH LOAD BEARING MANHOLE AND SURROUNDED WITH BARRIER. MANHOLE MUST BE COVERED WITH LOAD BEARING MANHOLE AND SURROUNDED WITH BARRIER.

5. PIPES & CABLES: SERVICES TO BE REFERRED TO IN ORDER TO AVOID CONFLICTS WITH PROTECTED SERVICES AND SERVICES TO BE LOCATED BY HAND FOR AND PROTECTED ACCORDINGLY.

6. CONTRACTOR TO ENSURE RELEVANT WEIGHERS ARE TAKEN TO KEEP PLANT AND PEOPLE A SAFE DISTANCE FROM STEEP SLOPES DURING THE WORKS.

10. CONTRACTOR TO REFER TO SURROUNDING REPORT FOR CONTAMINATION TESTS AND TO PROVIDE ADEQUATE WEARABLE FACILITIES AND PROTECTIVE CLOTHING AS REQUIRED.

Client Colliford Tty Partnerships North Ltd	
Project Jarrow Club Site	
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