

TYPICAL SECTION THROUGH INFILTRATION STORAGE TANKS 1:20



GENERAL PLASTIC INSPECTION CHAMBER PLAN (NTS)

<u>DRAINAGE</u>

- ENGINEER.
- 2. THIS DESIGN IS BASED ON INFORMATION SUPPLIED BY THIRD PARTIES, AND MAYBE SUBJECT TO CHANGE.
- DRAWINGS WHERE APPLICABLE.
- THE SEWERAGE SECTOR GUIDANCE, CURRENT BUILDING REGULATIONS, BS EN752 AND BS EN 12056.
- ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS AND THE SPECIFICATIONS UNLESS OTHERWISE SPECIFIED. ABOVE GROUND LEVEL.
- RODDABLE FROM ABOVE GROUND LEVEL.
- ACCORDANCE WITH ARCHITECT OR LANDSCAPE ARCHITECT SPECIFICATION.
- REGULATIONS.
- GRANULAR FILL MATERIAL WELL COMPACTED IN LAYERS NOT EXCEEDING 150mm.
- CONCRETE WHERE COVER TO GROUND LEVEL IS LESS THAN 1200mm TYPE TO BS EN 124.
- 13. MANHOLE/INSPECTION CHAMBER COVERS ELSEWHERE SHALL BE CLASS B125 DOUBLE TRIANGLE TYPE TO BS EN 124. 14. ALL LATERAL CONNECTIONS ARE TO BE MADE AT SOFFIT LEVEL TO THE MAIN CHANNEL.
- 15. ALLOWANCE SHALL BE MADE TO PROTECT ALL ELEMENTS OF DRAINAGE THROUGHOUT THE CONSTRUCTION PHASE OF WORK IN ACCORDANCE WITH THE CONTRACTORS STANDARD WORKING PRACTICES.

AUTHOR NOTES REV DATE PRELIMINARY DRAWING STATUS CLIENT A L DAINES THOMAS GRAHAM LTD PARTNERS CONSULTING CIVIL & TITLE STRUCTURAL ENGINEERS THOMAS GRAHAM, EGREMONT 28 Castle Street, Carlisle, DRAINAGE DETAILS | OF 2 Cumbria CA3 8TP DRAWN PA DATE JAN 23 SCALE VARIOUS @AI TEL 01228 527428 EMAIL mail@aldaines.co.uk DRAWING NO. 21-C-16080-006 WEB www.aldaines.co.uk

6. ALL FW CONNECTIONS TO BE GENERALLY 100mm DIA LAID AT A MINIMUM GRADIENT OF 1:60 UNLESS NOTED OTHERWISE AND BE RODDABLE FROM 7. ALL SW CONNECTIONS TO BE GENERALLY 100mm DIAMETER AND BE LAID AT A MINIMUM GRADIENT OF 1:150 UNLESS NOTED OTHERWISE AND BE 8. CHANNEL DRAINS TO BE GENERALLY ACO M100D 0.0 WITH SUMP UNIT OR SIMILAR APPROVED UNLESS STATED OTHERWISE. GRATING TO BE IN 9. BACKFILLING OF DRAIN TRENCHES ADJACENT TO BUILDINGS OR OTHER STRUCTURES IS TO BE IN ACCORDANCE WITH DIAGRAM 8 OF THE BUILDING 10. DRAINS WITHIN AREAS OF MADE GROUND TO BE CONSTRUCTED BY FIRST MAKING UP THE AREA TO APPROX. FINISHED LEVEL AND THEN EXCAVATING THROUGH THE FILL MATERIAL INTO UNDISTURBED GROUND. THE DRAIN TRENCH IS THEN TO BE BACKFILLED TO FORMATION LEVEL USING SUITABLE 11. ALL GULLIES ARE TO BE INSTALLED IN ACCORDANCE WITH CUMBRIA COUNTY COUNCIL DETAILS AND ALL ASSOCIATED PIPES ARE TO BE ENCASED IN 12. ALL MANHOLE/INSPECTION CHAMBER COVERS WITHIN THE HIGHWAY OR WITHIN AN AREA OF HARDSTANDING ARE TO BE CLASS D DOUBLE TRIANGLE

3. THE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE NBS SPECIFICATIONS, ASSOCIATED MANHOLE SCHEDULE AND STANDARD DRAINAGE DETAIL 4. MANHOLES, SEWERS, LATERAL CONNECTIONS ETC AND ANY OTHER PART OF THE DRAINAGE WORKS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH 5. DRAINS ARE TO BE CONSTRUCTED USING FLEXIBLY JOINTED VITRIFIED CLAY PIPES TO BS EN 295-1 SUPER STRENGTH SPECIFICATION (EG HEPWORTH SUPERSLEVE OR SIMILAR APPROVED) OR UPVC BUILDING DRAINAGE SYSTEM PIPEWORK TO BS 4660 AND BS EN1401-1, BEDDED AND BACKFILLED IN

1. THE LOCATION AND LEVEL OF EXISTING DRAINAGE CONNECTIONS AND EXISTING SERVICES IS TO BE CHECKED PRIOR TO COMMENCEMENT OF DRAINAGE WORKS. ANY VARIANCE TO THE DETAILS ON THE DRAINAGE DRAWING AND THE SCHEDULE IS TO BE BROUGHT TO THE ATTENTION OF THE