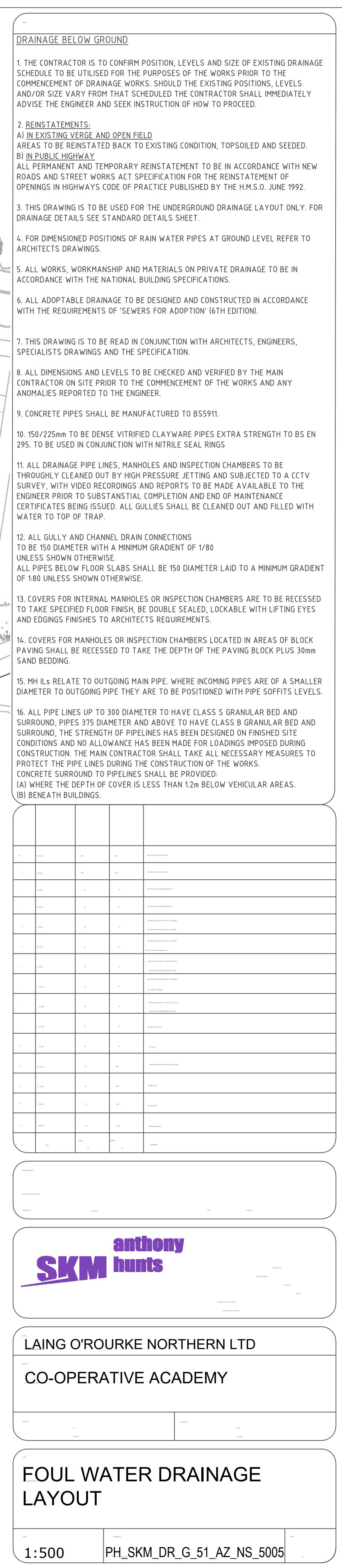




DRAINAGE BELOW GROUND

1. THE CONTRACTOR IS TO CONFIRM POSITION, LEVELS AND SIZE OF EXISTING DRAINAGE SCHEDULE TO BE UTILISED FOR THE PURPOSES OF THE WORKS PRIOR TO THE COMMENCEMENT OF DRAINAGE WORKS. SHOULD THE EXISTING POSITIONS, LEVELS AND/OR SIZE VARY FROM THAT SCHEDULED THE CONTRACTOR SHALL IMMEDIATELY ADVISE THE ENGINEER AND SEEK INSTRUCTION OF HOW TO PROCEED.

2. REINSTATEMENTS:

A) IN EXISTING VERGE AND OPEN FIELD
AREAS TO BE REINSTATED BACK TO EXISTING CONDITION, TOPSOILED AND SEEDING.

ALL PERMANENT AND TEMPORARY REINSTATEMENT TO BE IN ACCORDANCE WITH NEW
ROADS AND STREET WORKS ACT SPECIFICATION FOR THE REINSTATEMENT OF
OPENINGS IN HIGHWAYS CODE OF PRACTICE PUBLISHED BY THE H.M.S.O. JUNE 1992.

3. THIS DRAWING IS TO BE USED FOR THE UNDERGROUND DRAINAGE LAYOUT ONLY. FOR DRAINAGE DETAILS SEE STANDARD DETAILS SHEET.

4. FOR DIMENSIONED POSITIONS OF RAIN WATER PIPES AT GROUND LEVEL REFER TO ARCHITECTS DRAWINGS.

5. ALL WORKS, WORKMANSHIP AND MATERIALS ON PRIVATE DRAINAGE TO BE IN ACCORDANCE WITH THE NATIONAL BUILDING SPECIFICATIONS.

6. ALL ADOPTABLE DRAINAGE TO BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF 'SEWERS FOR ADOPTION' (6TH EDITION).

7. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ARCHITECTS, ENGINEERS, SPECIALISTS DRAWINGS AND THE SPECIFICATION.

8. ALL DIMENSIONS AND LEVELS TO BE CHECKED AND VERIFIED BY THE MAIN CONTRACTOR ON SITE PRIOR TO THE COMMENCEMENT OF THE WORKS AND ANY ANOMALIES REPORTED TO THE ENGINEER.

9. CONCRETE PIPES SHALL BE MANUFACTURED TO BS5911.

10. 150/225mm TO BE DENSE VITRIFIED CLAYWARE PIPES EXTRA STRENGTH TO BS EN 295. TO BE USED IN CONJUNCTION WITH NITRILE SEAL RINGS

11. ALL DRAINAGE PIPE LINES, MANHOLES AND INSPECTION CHAMBERS TO BE THOROUGHLY CLEANED OUT BY HIGH PRESSURE JETTING AND SUBJECTED TO A CCTV SURVEY, WITH VIDEO RECORDINGS AND REPORTS TO BE MADE AVAILABLE TO THE ENGINEER PRIOR TO SUBSTANTIAL COMPLETION AND END OF MAINTENANCE CERTIFICATES BEING ISSUED. ALL GULLIES SHALL BE CLEANED OUT AND FILLED WITH WATER TO TOP OF TRAP.

12. ALL GULLY AND CHANNEL DRAIN CONNECTIONS TO BE 150 DIAMETER WITH A MINIMUM GRADIENT OF 1/80 UNLESS SHOWN OTHERWISE.
ALL PIPES BELOW FLOOR SLABS SHALL BE 150 DIAMETER LAID TO A MINIMUM GRADIENT OF 1:80 UNLESS SHOWN OTHERWISE.

13. COVERS FOR INTERNAL MANHOLES OR INSPECTION CHAMBERS ARE TO BE RECESSED TO TAKE SPECIFIED FLOOR FINISH, BE DOUBLE SEALED, LOCKABLE WITH LIFTING EYES AND EDGINGS FINISHES TO ARCHITECTS REQUIREMENTS.

14. COVERS FOR MANHOLES OR INSPECTION CHAMBERS LOCATED IN AREAS OF BLOCK PAVING SHALL BE RECESSED TO TAKE THE DEPTH OF THE PAVING BLOCK PLUS 30mm SAND BEDDING.

15. MH ILs RELATE TO OUTGOING MAIN PIPE. WHERE INCOMING PIPES ARE OF A SMALLER DIAMETER TO OUTGOING PIPE THEY ARE TO BE POSITIONED WITH PIPE SOFFITS LEVELS.

16. ALL PIPE LINES UP TO 300 DIAMETER TO HAVE CLASS S GRANULAR BED AND SURROUND, PIPES 375 DIAMETER AND ABOVE TO HAVE CLASS B GRANULAR BED AND SURROUND. THE STRENGTH OF PIPELINES HAS BEEN DESIGNED ON FINISHED SITE CONDITIONS AND NO ALLOWANCE HAS BEEN MADE FOR LOADINGS IMPOSED DURING CONSTRUCTION. THE MAIN CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROTECT THE PIPE LINES DURING THE CONSTRUCTION OF THE WORKS. CONCRETE SURROUND TO PIPELINES SHALL BE PROVIDED:

(A) WHERE THE DEPTH OF COVER IS LESS THAN 1.2m BELOW VEHICULAR AREAS.
(B) BENEATH BUILDINGS.

[illegible]

SKM anthony hunts

LAING O'ROURKE NORTHERN LTD	
CO-OPERATIVE ACADEMY	

FOUL WATER DRAINAGE LAYOUT

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