



- GENERAL:**
1. COPYRIGHT - T.A. MILLARD SCOTLAND LIMITED, CONSULTING ENGINEERS.
 2. DO NOT SCALE THIS DRAWING - WRITTEN DIMENSIONS ONLY SHALL BE USED.
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
 4. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 5. ALL FFL'S TO BE VERIFIED BY THE ARCHITECT PRIOR TO COMMENCING WORKS.
 6. FOR MAIN DIMENSIONS REFER TO ARCHITECTS DRAWINGS.
 7. ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM UNLESS NOTED OTHERWISE.
 8. EARTHWORKS SHOWN ARE INDICATIVE ONLY.
 9. ROAD MARKINGS OMITTED FOR CLARITY.
 10. INDIVIDUAL PLOT DISCONNECTION CHAMBERS TO BE 450mm Ø "OSMA" NON-ENTRY INSPECTION CHAMBERS.
 11. SHARED PLOT DISCONNECTION CHAMBERS TO BE 1050mm Ø PC RING MANHOLES.

- SEWERAGE FOR TECHNICAL APPROVAL:**
1. ALL SEWERAGE WORKS TO BE CARRIED OUT IN STRICT ACCORDANCE WITH 'SEWERS FOR SCOTLAND' 4th EDITION. FOR FULL SPECIFICATION REFER TO APPROPRIATE SECTIONS WITHIN SFS4.
 2. ALL DRAINAGE TO COMPLY WITH BUILDING CONTROL REQUIREMENTS.
 3. CONTRACTOR TO LOCATE AND CHECK LEVELS OF EXISTING SEWERS PRIOR TO COMMENCING WORKS.
 4. FOR CONTINUATION OF DRAINAGE UPSTREAM OF DISCONNECTING MANHOLES REFER TO ARCHITECTS DRAWINGS.
 5. LEVELS ARE IN METRES AND RELATE TO OSBM.
 6. CONTRACTOR TO LIAISE WITH AUTHORITIES INCLUDING SCOTTISH WATER DURING CONSTRUCTION THROUGH TO FINAL ADOPTION.
 7. CONTRACTOR TO SUBMIT SC1 FORM(S) 'APPLICATION TO CONNECT TO THE PUBLIC SEWER' AND LIAISE AS REQUIRED WITH SCOTTISH WATER DURING THE WORKS.
 8. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING THE POSITIONS OF ALL EXISTING SERVICES AND SHALL ALLOW FOR IN HIS RATES OF EXCAVATION FOR HAND DIGGING SO AS TO ENSURE THAT SERVICES ARE NOT DAMAGED. THE CONTRACTOR SHALL MAKE GOOD, AT HIS OWN EXPENSE, ANY DAMAGE THAT MAY OCCUR TO EXISTING SERVICES. SERVICES ENCOUNTERED IN THE COURSE OF EXCAVATION SHALL BE ADEQUATELY SUPPORTED AND PROTECTED.
 9. THE CONTRACTOR IS RESPONSIBLE FOR THE TEMPORARY SUPPORT OF ALL EXCAVATIONS. SYSTEMS SUCH AS TIMBER BOARDING AND SHEET PILING SHALL BE DESIGNED AND CONSTRUCTED SO AS TO PREVENT LOSS OF GROUND OR SETTLEMENT OF ADJOINING GROUND OR STRUCTURES AND TO ENSURE THAT BACKFILLING CAN BE CARRIED OUT SATISFACTORILY.
 10. MINIMUM COVER TO SEWERS (ie) CROWN OF PIPES TO BE 1500mm IN ROADS AND SERVICE AREAS AND 900mm IN LANDSCAPED AREAS.
 11. PROVIDE CONCRETE PROTECTION AS REQUIRED BY 'SEWERS FOR SCOTLAND' 4th EDITION TO PIPES WITH LESS THAN 1200mm COVER BELOW ROAD PAVEMENTS/INDUSTRIAL SLABS AND TO PIPES WITH LESS THAN 900mm COVER BELOW FOOTPATHS AND LANDSCAPING.
 12. ALL TAILS BETWEEN DISCONNECTING MANHOLES AND SEWER TO BE 150mm Ø UPVC, LAID AT GRADIENT BETWEEN 1:10 AND 1:60 UNLESS NOTED OTHERWISE.
 13. ALL ADAPTABLE PIPEWORK TO BE TWIN WALLED UNLESS NOTED OTHERWISE.
 14. LOCATION OF DISCONNECTION CHAMBERS ARE INDICATIVE ONLY. EXACT LOCATION TO SUIT BUILDING DRAINAGE.
 15. GULLY TAILS ARE INDICATIVE ONLY. EXACT LINE TO SUIT DRAINAGE CONNECTIONS.

L	MANHOLES S1, S2, F1, F2 REMOVED TO SUIT SCOTTISH WATER COMMENTS	DMcl		16.12.19
K	CUT OFF DRAIN ADDED FOLLOWING DCC COMMENTS	DC		29.10.19
J	PRIVATE DRAINAGE ADDED	DC		03.10.19
H	FFL'S UPDATED.	WH		14.03.18
G	FOUL SEWERS NOTED. LEVELS UPDATED. FFL'S SHOWN. NOTES ADDED.	WH		08.03.18
F	CONTROL CHAMBER NOTE AND CUT-OFF DRAIN NOTE ADDED.	WH		02.03.18
E	GULLY POSITIONS UPDATED. SURFACE WATER SEWER INFORMATION ADDED.	WH		01.03.18
D	ROADS UPDATED AS PER DCC COMMENTS. DRAINAGE UPDATED TO SUIT CULVERTED BURN.	WH		08.02.18
C	EMBANKMENT ADDED TO SOUTH SIDE OF SITE	DMcl		15.01.18
B	GENERAL UPDATE	DMcl		03.11.17
A	DRAWING AMENDED TO SUIT HOUSING LAYOUT CHANGES	DMcl		25.09.17
REV	AMENDMENT DETAILS	DRAWN	APPROVED	DATE

PROJECT
FORMER KINGS PARK SCHOOL,
GILLBURN ROAD, DUNDEE

DRAWING TITLE
DRAINAGE LAYOUT

CLIENT
PERSIMMON HOMES (NORTH) SCOTLAND

DESIGNED BY
CHECKED BY

DRAWN BY
APPROVED BY

DRAWING STATUS
PRELIMINARY

DRAWING NUMBER
14325/02/001

SCALE
1:500

DATE
15.09.17

REVISION
L

Dundee Office
Seabraes
18 Greenmarket
Dundee
DD1 4QB

tel: 01382 227380
email: dundee@millardconsulting.co.uk
web: www.millardconsulting.co.uk

Millard
More than civil engineers