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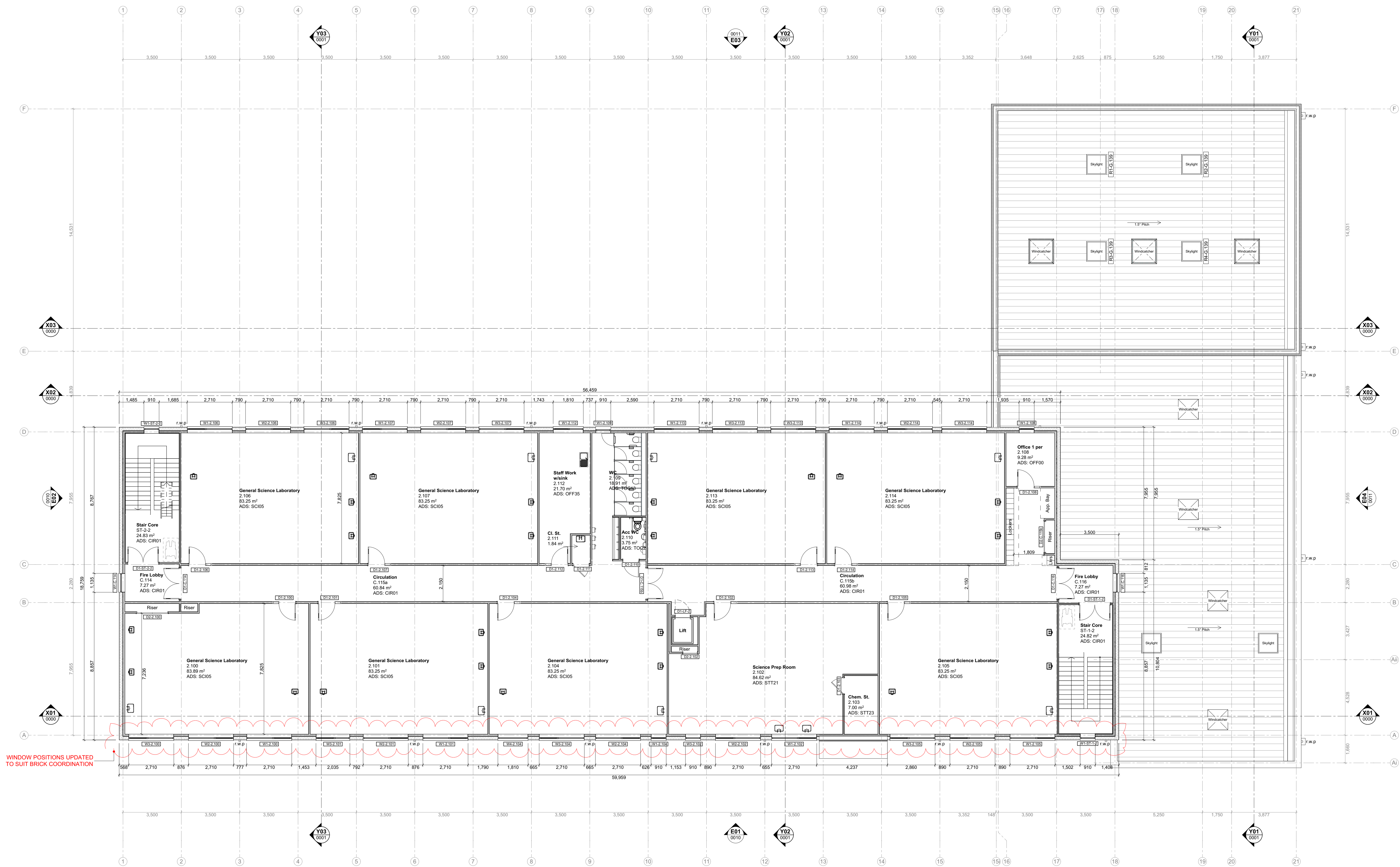
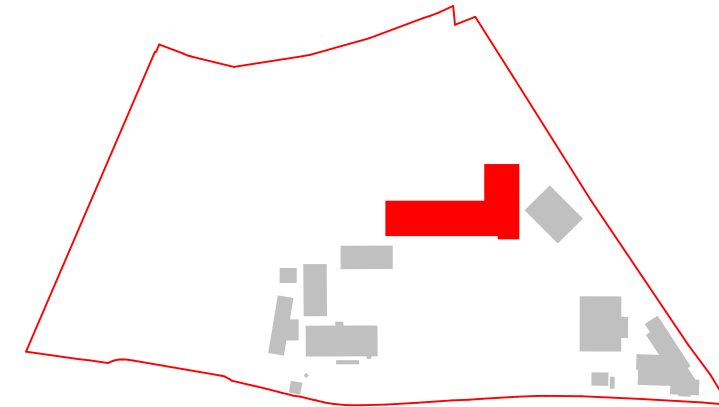
2. This drawing is to be read in conjunction with all other relevant drawings and specifications for this project and apparent inconsistencies brought to the attention of the Project Design Manager.

3. Do not scale directly from drawing - if in doubt ask!

NOTES:



KEYPLAN:



P10	ISSUE FOR COMMENT	17.03.2019	SA	DP
P09	UPDATED ISSUE FOLLOWING PARTITIONS UPDATE	22.03.2019	AS	DP
P08	UPDATED ISSUE FOR CPN	07.03.2019	DP	MB
CP2	UPDATED ISSUE FOR CPN INCORPORATING DIAL	01.03.2019	MB	HLM
CP1	ISSUE FOR CPN	10.02.2019	MB	HLM
P07	ISSUE PRIOR TO FULL CPN	25.01.2019	SA	AMS
P06	ISSUE FOR PARTITIONING	15.12.2018	DP	AD
P05	DRAWING NUMBER CHANGED	07.12.2018	DP	AD
P04	UPDATED ISSUE FOR COMMENT	20.11.2018	DP	AD
P03	UPDATED ISSUE FOR COMMENT	15.11.2018	DP	AD
P02	UPDATED ISSUE FOR COMMENT	13.11.2018	DP	AD
P01	UPDATED ISSUE FOR COMMENT	09.11.2018	DP	AD
Rev	Drawings	Date	RJ	Ch



CLIENT:



PROJECT REF:
HAYGROVE SCHOOL

REVISION:

SECOND FLOOR GA PLAN

DOCUMENT REFERENCE NO:

136917-HLM-00-02-DR-A-00-0002

Ref	Orig	Zone	Level	Type	Role	Classification	Change No.
SCALE @ A0 = 1:100	REV: P10						
CONTRACT NUMBER:	DATE: 10.10.2018						
SUITABILITY: S4							

1:100

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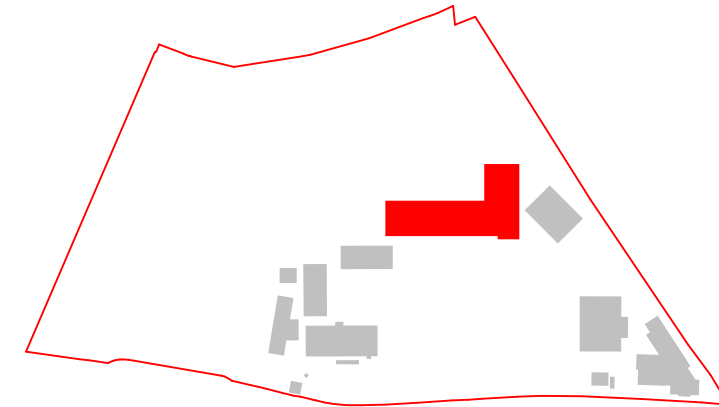
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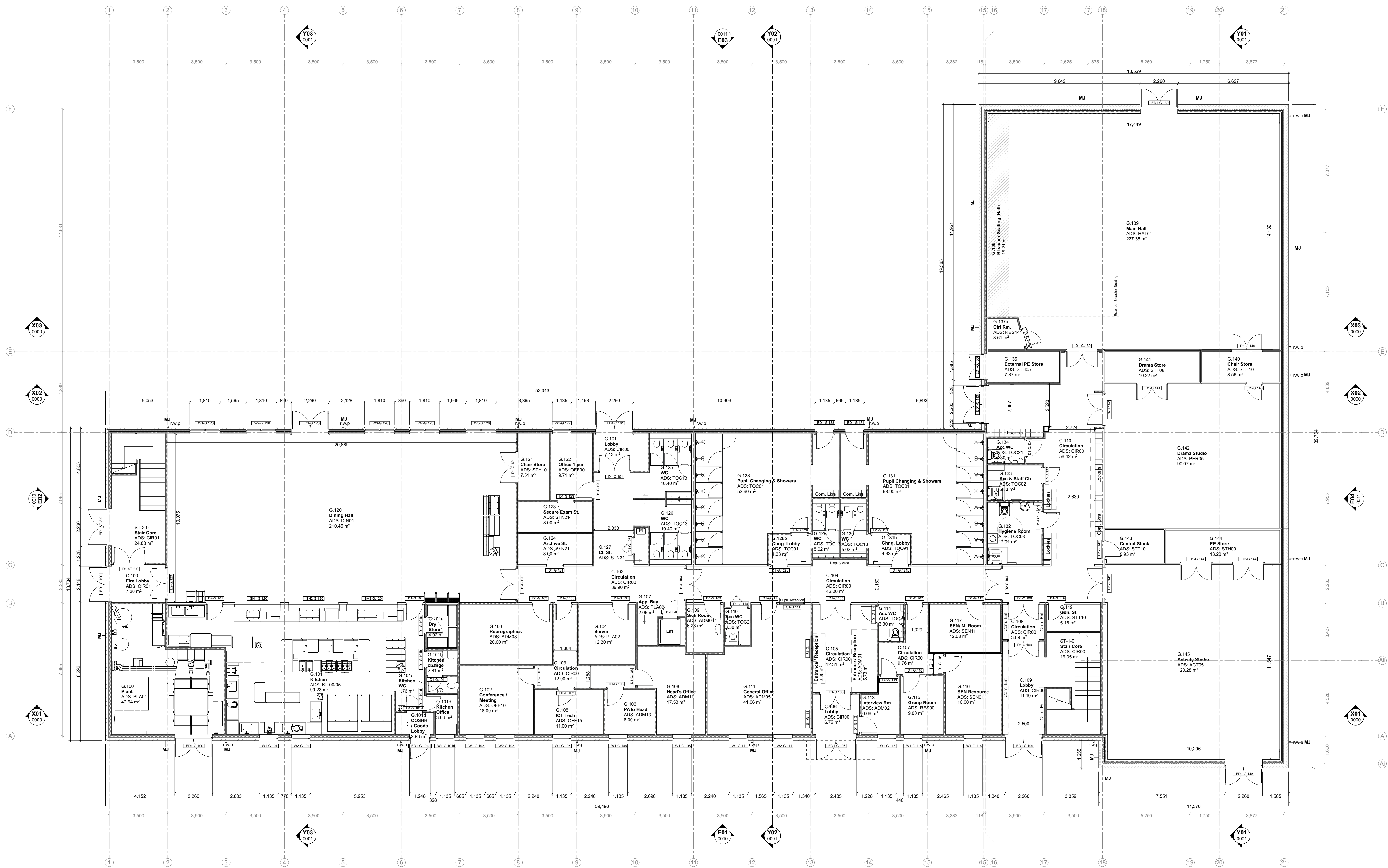
NOTES:



KEYPLAN:



MJ MOVEMENT JOINT



P14	UPDATED ISSUE TO BUI BUILDING CONTROL COMMENT	07.06.2019	SA	DP
P15	ISSUE FOR COMMENT	17.06.2019	SA	DP
P16	UPDATED ISSUE FOLLOWING CHANGE OF PARTITIONS	22.06.2019	SA	DP
P17	UPDATED ISSUE FOR CPN	07.06.2019	CP	MS
CP1	UPDATED ISSUE FOR CPN INCORPORATING CML	07.06.2019	MS	HLM
CP1	ISSUE FOR CPN	16.02.2019	MS	HLM
CP1	KITCHEN WINDOWS SHOWN AS CLOUSED	26.02.2019	SA	AWG
CP1	ISSUE FROM TUTORIAL CPN	23.02.2019	SA	AWG
CP1	ISSUE FOR PLANNING	13.02.2019	CP	AD
CP1	ISSUE FOR PLANNING	07.02.2019	CP	AD
CP1	DRAWING NUMBER CHANGED	06.02.2019	CP	AD
CP1	UPDATED ISSUE FOR COMMENT	16.01.2019	CP	AD
CP1	UPDATED ISSUE FOR COMMENT	16.01.2019	CP	AD
CP1	UPDATED ISSUE FOR COMMENT	13.01.2019	CP	AD
CP1	UPDATED ISSUE FOR COMMENT	09.01.2019	CP	AD
CP1	PRELIMINARY ISSUE FOR COMMENT	16.10.2018	CP	AD
CP1	Design	09.10.2018	CP	AD



CLIENT:



PROJECT REF:
HAYGROVE SCHOOL

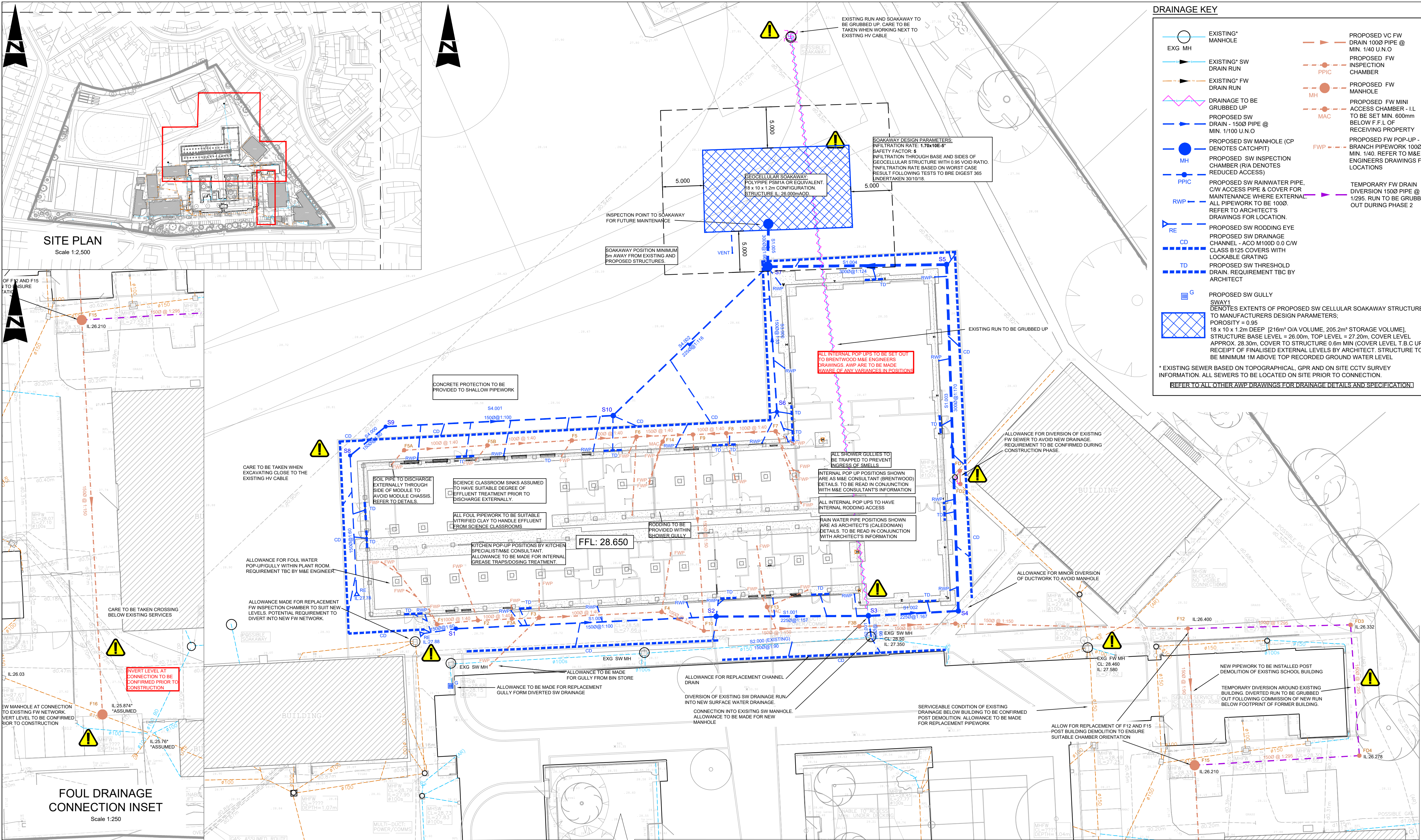
REVISION:
GROUND FLOOR GA PLAN

DOCUMENT REFERENCE NO.:

136917-HLM-00-GF-DR-A-00-0000

Ref	Orig	Zone	Level	Type	Role	Classification	Change No.
SCALE @ A0: 1:100						REV: P14	
CONTRACT NUMBER:						DATE: 10.10.2018	
SUITABILITY: S4							

1:100



FOR PHASE 2 DRAINAGE REFER TO AWP DRAWING 136917-AWP-ZZ-XX-DR-C-3001

HEALTH & SAFETY RISKS

IN ADDITION TO THE STANDARD HAZARDS AND RISKS NORMALLY ASSOCIATED WITH THE TYPE OF WORK DETAILED ON THIS DRAWING, PLEASE NOTE THE FOLLOWING RESIDUAL HEALTH AND SAFETY RISKS

CONSTRUCTION RISKS

- CR 01 CONSTRUCTION IN AND AROUND EXISTING BURIED SERVICES - REFER TO SERVICES RECORDS.
- CR 02 LIVE TRAFFIC WORK ON THE SITE
- CR 03 LIVE SEWERAGE.

OPERATION & MAINTENANCE RISKS

- MR 01 OPERATION AND MAINTENANCE TO BE THE RESPONSIBILITY OF THE SCHOOL AND MAINTAINED AS PART OF THEIR REGULAR ON SITE MAINTENANCE ROUTINE.
- MR 02 ANCILLARY COMPONENTS TO BE MAINTAINED TO MANUFACTURERS GUIDELINES.

DEMOLITION RISKS

- DR 01 DEMOLITION TO AVOID EXISTING BURIED SERVICES - REFER TO SERVICES RECORDS.
- DR 02 DEMOLITION NEXT TO LIVE SEWERAGE. ALL SEWERS TO BE CONFIRMED REDUNDANT PRIOR TO DEMOLITION.

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING IN ACCORDANCE WITH THE REQUIREMENTS DEFINED IN THE COM REGULATIONS.

SURFACE MANHOLE SCHEDULE									
MANHOLE	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT	PIPE DIA.	DEPTH TO SOFFIT	MANHOLE DIA.	MANHOLE TYPE	GRADE OF COVER	NORTHING
S1	28.671	27.810	0.861	150	0.711	450	PPIC	B125	136516.633
S2	28.628	27.418	1.210	225	0.985	600	PPIC	B125	136518.109
S3	28.610	27.300	1.310	225	1.085	600	PPIC	B125	136518.190
S4	28.597	27.160	1.437	300	1.137	600	PPIC	B125	136518.792
S5	28.604	26.915	1.689	300	1.389	600	(RA)PPIC	B125	136560.975
S6	28.635	27.500	1.135	150	0.985	450	PPIC	B125	136543.032
S7	28.601	26.742	1.859	300	1.559	1200	B1 (CP)	B125	136560.716
S8	28.631	27.500	1.131	150	0.981	450	PPIC	B125	136537.720
S9	28.561	27.392	1.169	150	1.019	450	PPIC	B125	136541.244
S10	28.566	27.089	1.477	225	1.252	600	(RA)PPIC	B125	136542.584
SWAY	28.500	26.000	2.500	1200	1.300	10X18m	SWAY	B125	136565.940

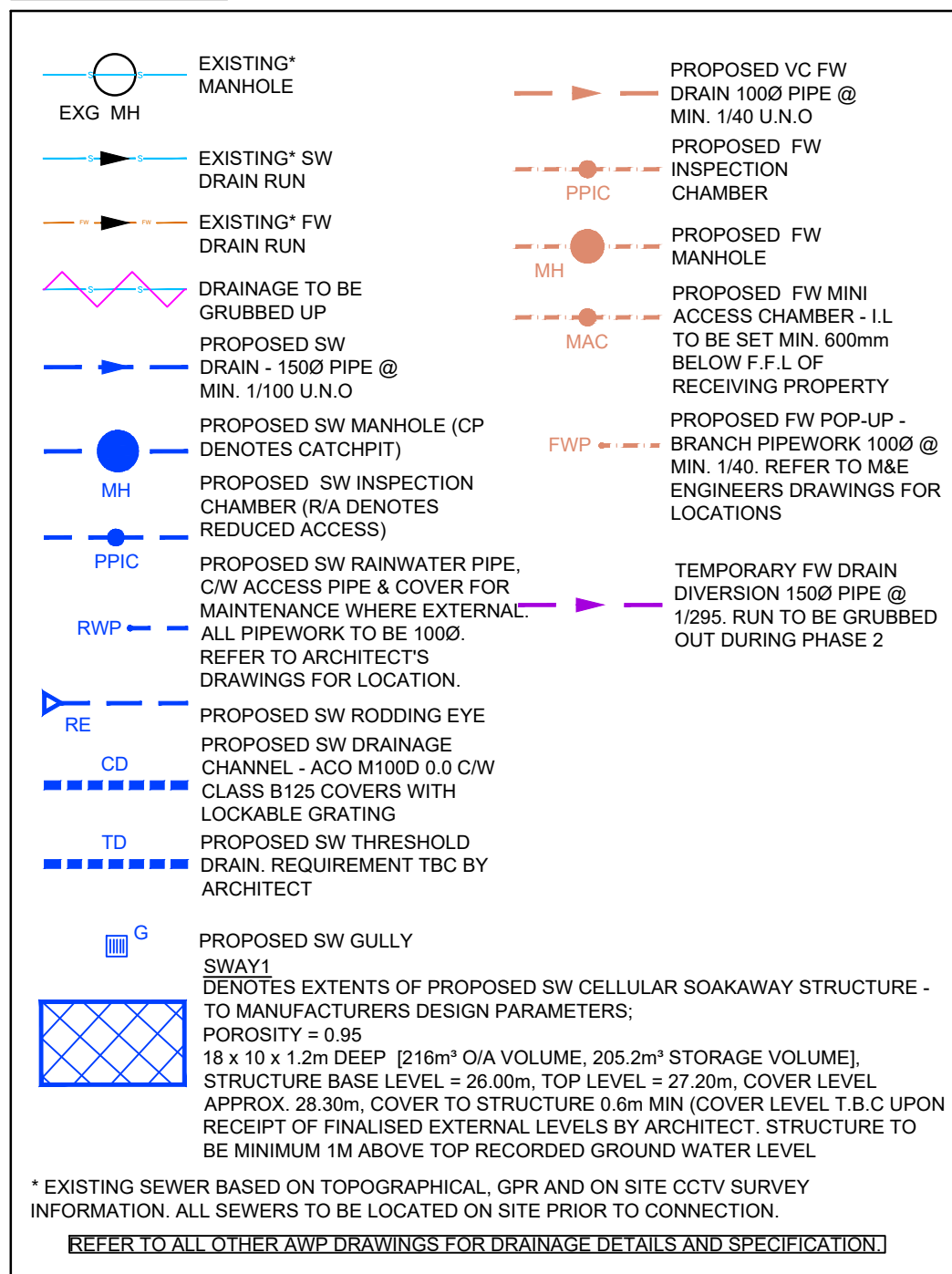
- 600mm DIA. PPIC'S TO BE USED FOR PIPE SIZES >150mm <300mm

- REFER TO MANUFACTURER'S DETAILS FOR PPIC BASE UNIT CONFIGURATION

- WHERE PPIC DEPTH TO SOFFIT > 1.2m REDUCED ACCESS CHAMBER IS REQUIRED

FOUL MANHOLE SCHEDULE									
MANHOLE	COVER LEVEL	INVERT LEVEL	DEPTH TO INVERT	PIPE DIA.	DEPTH TO SOFFIT	MANHOLE DIA.	MANHOLE TYPE	GRADE OF COVER	NORTHING
F1	28.695	27.690	1.005	100	0.905	450	PPIC	B125	136517.268
F2	28.659	27.564	1.095	100	0.995	450	PPIC	B125	136517.640
F3	28.659	27.378	1.281	100	1.181	450	PPIC	B125	136517.969
F3A	28.659	27.460	1.199	100	1.099	450	PPIC	B125	136517.848
F3B	28.610	26.683	1.927	150	1.777	450	(RA)PPIC	B125	136516.917
F4	28.640	27.004	1.636	100	1.536	450	(RA)PPIC	B125	136518.669
F5	28.623	27.700	0.923	100	0.823	450	PPIC	B125	136539.567
F5A	28.623	28.212	0.411	100	0.311	450	PPIC	B125	136538.367
F6	28.624	27.453	1.171	150	1.021	450	PPIC	B125	136518.054
F7	28.633	27.700	0.933	100	0.833	450	PPIC	B125	136535.003
F8	28.625	27.550	1.075	100	0.975	450	PPIC	B125	136528.997
F9	28.625	27.281	1.344	150	1.194	450	(RA)PPIC	B125	136524.932
F10	28.613	26.809	1.804	150	1.654	450	(RA)PPIC	B125	136526.256
F11	28.535	26.600	1.935	150	1.785	450	(RA)PPIC	B125	136517.253
F12	28.502	26.424	2.078	150	1.928	450	(RA)PPIC	B125	136516.645
F13	28.620	28.020	0.600	100	0.500	450	PPIC	B125	136518.868
F14	28.620	28.020	0.600	100	0.500	450	PPIC	B125	136521.248
F15	28.200	26.210	1.990	150	1.840	450	(RA)PPIC	D400	136500.000
F16	27.400	25.874	1.526	150	1.376	1200	B	D400	136451.960
FD1	28.500	27.990	0.510	100	0.410	450	PPIC	B125	136557.459
FD2	28.500	27.970	0.530	100	0.430	450	PPIC	B125	136557.503
FD3	28.350	26.332	2.018	150	1.868	450	(RA)PPIC	B125	136605.037
FD4	28.210	26.278	1.932	150	1.782	450	(RA)PPIC	B125	136606.104

DRAINAGE KEY



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PRIVATE DRAINAGE NOTES:

- DRAINAGE SYSTEMS TO COMPLY WITH THE FOLLOWING STANDARDS:
 - BS EN 752:2008
 - BUILDING REGULATIONS APPROVED DOCUMENT PART H, 2015 EDITION
- ALL COMPONENTS USED IN DRAINAGE SYSTEMS TO COMPLY WITH THE FOLLOWING: BS EN 476:2011
- ALL DRAINAGE SYSTEMS AND COMPONENTS TO BE CONSTRUCTED AND TESTED TO THE FULL SATISFACTION OF BOTH BUILDING REGULATIONS AND WARRANTY PROVIDER INSPECTORS
- ALL DRAINAGE TO BE CONSTRUCTED AND TESTED IN ACCORDANCE WITH BS EN 1810:2015.
- V.C. DENOTES VITRIFIED CLAY. VITRIFIED CLAY PIPES AND FITTINGS TO COMPLY WITH THE RELEVANT PROVISIONS OF BS EN295-1:2013-2:2013-3:2012 AND BS 65 RESPECTIVELY AND BE KITEMARKED. ALL PIPES SHALL BE EXTRA STRENGTH TO BS 65 OR EQUIVALENT BS EN295 PIPE CRUSHING STRENGTH.
- LATERAL DRAIN CONNECTIONS (PIPES CONNECTING INTO ADAPTABLE SEWERS) TO BE VITRIFIED CLAY. WHERE COVER IS LESS THAN 1.2m TO GROUND LEVEL PIPE PROTECTION IS REQUIRED IN THE FORM OF A CONCRETE COVER SLAB.
- PVC-U DENOTES UNPLASTICISED POLYVINYL CHLORIDE. PVC-U PIPES AND FITTINGS TO COMPLY WITH THE RELEVANT PROVISIONS OF BS EN1401, BS EN13476-2 AND BS4660:1989/2000 RESPECTIVELY AND BE KITEMARKED.
- PRECAST CONCRETE MANHOLES TO BE IN ACCORDANCE WITH BS EN 1917:2002 AND BS 5911-3:2010-4:2002 AND TO BE KITEMARKED. PRECAST CONCRETE RINGS AND COVER SLABS TO CONCRETE PIPES TO BE JOINTED WITH CEMENT MORTAR UNLESS NOTED OTHERWISE.
- INSITU AND PRECAST CONCRETE UNITS SHALL HAVE SULPHATE RESISTING PORTLAND CEMENT TO BS EN 197-1:2011.
- POLYPROPYLENE INSPECTION CHAMBERS TO COMPLY WITH BS EN 13598-1:2010-2:2016 AND BS 7158:2001 AND TO BE KITEMARKED.
- MANHOLE COVERS AND FRAMES SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 124-1 TO 6:2015. MANHOLE COVERS AND FRAMES TO BE OF A NON-ROCKING DESIGN WITH CUSHION INSERTS AND KITEMARKED. LOAD CLASS A15 COVERS TO BE USED IN AREAS INACCESSIBLE TO VEHICLES. LOAD CLASS B125 COVERS TO BE USED IN PRIVATE DRIVES. LOAD CLASS D400 COVERS TO BE USED IN PRIVATE ROADS. ALL COVERS TO BE BADGED 'FW' OR 'SW' AS APPROPRIATE. MANHOLE COVER SLABS AND ACCESS TO BE IN ACCORDANCE WITH CONCRETE PIPE ASSOCIATION TECHNICAL BULLETIN ISSUED SEPTEMBER 2001.
- POLYPROPYLENE INSPECTION CHAMBER COVERS AND FRAMES SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 124-1 TO 6:2015. COVERS AND FRAMES TO BE OF A NON-ROCKING DESIGN WITH CUSHION INSERTS AND KITEMARKED. LOAD CLASS A15 COVERS TO BE USED IN AREAS INACCESSIBLE TO VEHICLES. LOAD CLASS B125 COVERS TO BE USED IN PRIVATE DRIVES. LOAD CLASS D400 COVERS TO BE USED IN PRIVATE ROADS.
- CLASS Z BEDDING DETAIL SHALL BE PROVIDED:
 - WHERE COVER TO PIPE BARREL IS:
 - i) <1.2m IN VEHICULAR TRAFFICKED AREAS
 - ii) <0.9m IN AREAS INACCESSIBLE TO VEHICLES.
 - AT ALL ROAD GULLY, YARD GULLY, RWP, SVP AND DRAINAGE CHANNEL BRANCHES.
 - AREAS OF DEEP ROOTING VEGETATION.
 - PIPE RUNS NEAR BUILDINGS IN ACCORDANCE WITH TYPICAL SECTIONS ON AWP DETAILS DRAWING.
 - WHERE TWO PIPES CROSS WITH A CLEAR GAP OF <300mm. CLASS Z SURROUND TO EXTEND A MINIMUM OF 1.0m FROM THE CENTRE OF THE CROSSING POINT & EXTENDED TO WITHIN 150mm OF THE NEAREST FLEXIBLE JOINT, WHERE REQUIRED.
- NO MECHANICAL COMPACTION OF FILL MATERIAL WITHIN 300mm OF THE CROWN OF ANY PIPE.

HEALTH & SAFETY

THIS DRAWING IS ISSUED FOR INCLUSION IN THE PROJECT HEALTH AND SAFETY FILE AND THE INFORMATION INDICATED IS TO THE BEST OF OUR KNOWLEDGE REPRESENTATIVE OF THE CONSTRUCTED WORKS. ALAN WOOD & PARTNERS HAVE NOT CARRIED OUT FULL SITE SUPERVISION OF THE PROJECT DURING CONSTRUCTION. THE CONTRACTOR IS DEEMED TO HAVE INSTALLED THE WORKS IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS UNLESS NOTED OTHERWISE ON THIS DRAWING OR CONFIRMED SEPARATELY BY THE CONTRACTOR IN WRITING.

H501 HEALTH & SAFETY FILE ISSUE
REV REASON FOR REVISION
14.08.20
DATE
GDV
BY
KR
CHK



CLIENT:
CALEDONIAN MODULAR

PROJECT REF:
HAYGROVE SCHOOL

DESCRIPTION:
PHASE 1 DRAINAGE LAYOUT

DOCUMENT REFERENCE NO:
136917 AWP 00 XX DR C 00-3000

Project No. Orig. Volume Level Type Role Chrono No.

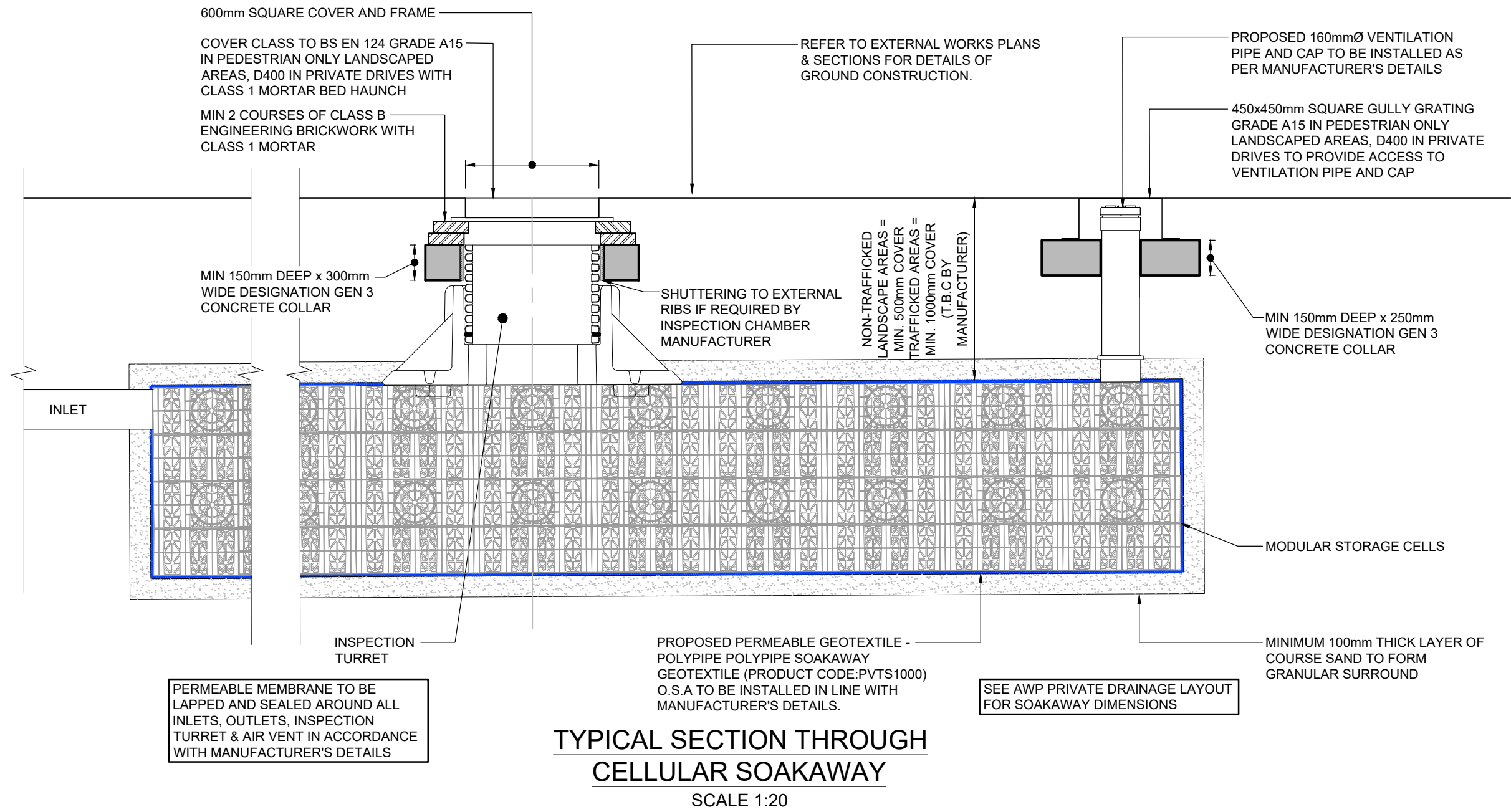
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CONTRACT NUMBER: CWH001
REV: H501
DATE: 03.05.19

INFORMATION STATUS: FINAL ISSUE

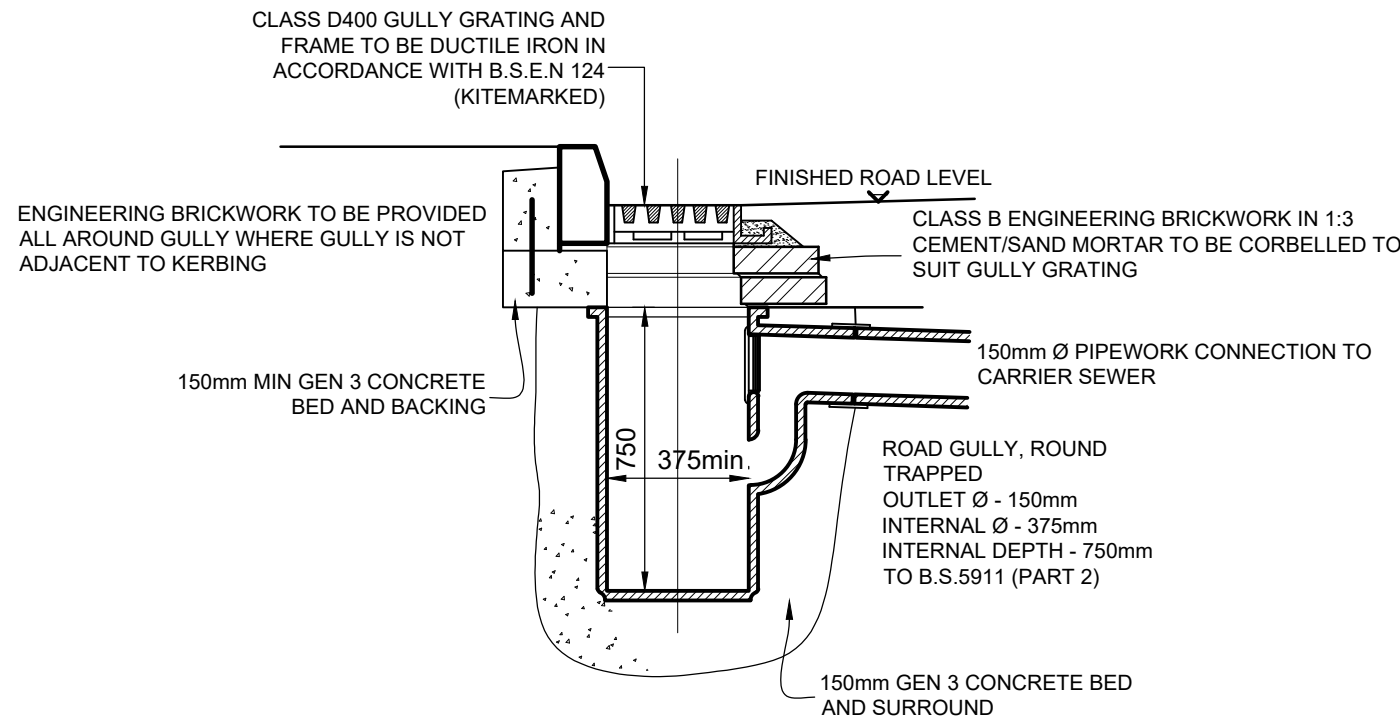
SUBCONTRACTOR COMPANY TRADE NAME
SUBCONTRACTOR CONTRACT REF. NO.



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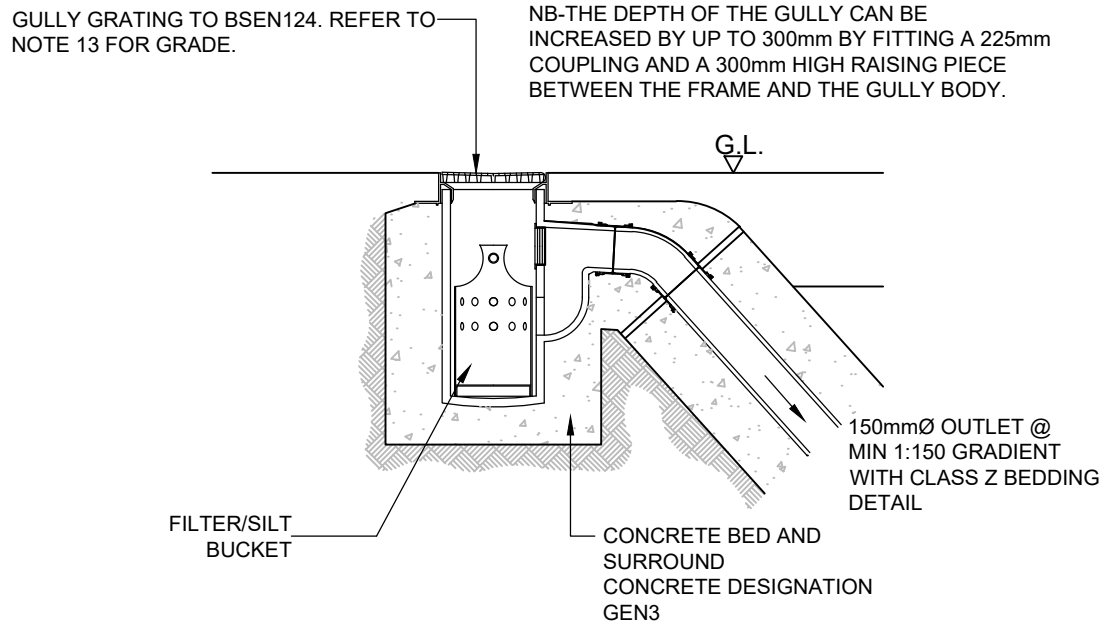


TYPICAL SECTION THROUGH
CELLULAR SOAKAWAY
SCALE 1:20



GULLY DETAIL
SCALE 1:20

NOTE: ALL MORTAR AND CONCRETE TO DRAINAGE WORKS TO HAVE SULPHATE RESISTANT CEMENT



YARD GULLY
SCALE 1:20

PRIVATE DRAINAGE NOTES:

1. DRAINAGE SYSTEMS TO COMPLY WITH THE FOLLOWING STANDARDS:
 - BS EN 752:2008
 - BUILDING REGULATIONS APPROVED DOCUMENT PART H, 2015 EDITION
2. ALL COMPONENTS USED IN DRAINAGE SYSTEMS TO COMPLY WITH THE FOLLOWING: BS EN 476:2011
3. ALL DRAINAGE SYSTEMS AND COMPONENTS TO BE CONSTRUCTED AND TESTED TO THE FULL SATISFACTION OF BOTH BUILDING REGULATIONS AND WARRANTY PROVIDER INSPECTORS
4. ALL DRAINAGE TO BE CONSTRUCTED AND TESTED IN ACCORDANCE WITH BS EN 1610:2015.
5. V.C. DENOTES VITRIFIED CLAY, VITRIFIED CLAY PIPES AND FITTINGS TO COMPLY WITH THE RELEVANT PROVISIONS OF BS EN285-1:2013, -2:2013, -3:2012 AND BS 65 RESPECTIVELY AND BE KITEMARKED. ALL PIPES SHALL BE EXTRA STRENGTH TO BS 65 OR EQUIVALENT BS EN285 PIPE CRUSHING STRENGTH.
6. LATERAL DRAIN CONNECTIONS (PIPES CONNECTING INTO ADOPTABLE SEWERS) TO BE VITRIFIED CLAY, WHERE COVER IS LESS THAN 1.2m TO GROUND LEVEL PIPE PROTECTION IS REQUIRED IN THE FORM OF A CONCRETE COVER SLAB.
7. PVC-U DENOTES UNPLASTISED POLYVINYL CHLORIDE - PVC-U PIPES AND FITTINGS TO COMPLY WITH THE RELEVANT PROVISIONS OF BS EN1401, BS EN13476-2 AND BS4660:1989/2000 RESPECTIVELY AND BE KITEMARKED.
8. PRECAST CONCRETE MANHOLES TO BE IN ACCORDANCE WITH BS EN 1917:2002 AND BS 5911-3:2010, -4:2002 AND TO BE KITEMARKED. PRECAST CONCRETE RINGS AND COVER SLABS TO CONCRETE PIPES TO BE JOINTED WITH CEMENT MORTAR UNLESS NOTED OTHERWISE.
9. INSITU AND PRECAST CONCRETE UNITS SHALL HAVE SULPHATE RESISTING PORTLAND CEMENT TO BS EN 197-1:2011.
10. POLYPROPYLENE INSPECTION CHAMBERS TO COMPLY WITH BS EN 13598-1:2010, -2:2016 AND BS 7158:2001 AND TO BE KITEMARKED.
11. MANHOLE COVERS AND FRAMES SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 124-1 TO 6:2015. MANHOLE COVERS AND FRAMES TO BE OF A NON-ROCKING DESIGN WITH CUSHION INSERTS AND KITEMARKED. LOAD CLASS A15 COVERS TO BE USED IN AREAS INACCESSIBLE TO VEHICLES; LOAD CLASS B125 COVERS TO BE USED IN PRIVATE DRIVES; LOAD CLASS D400 COVERS TO BE USED IN PRIVATE ROADS. ALL COVERS TO BE BADGED "FV" OR "SV" AS APPROPRIATE. MANHOLE COVER SLABS AND ACCESS TO BE IN ACCORDANCE WITH CONCRETE PIPE ASSOCIATION TECHNICAL BULLETIN ISSUED SEPTEMBER 2001.
12. POLYPROPYLENE INSPECTION CHAMBER COVERS AND FRAMES SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 124-1 TO 6:2015. COVERS AND FRAMES TO BE OF A NON-ROCKING DESIGN WITH CUSHION INSERTS AND KITEMARKED. LOAD CLASS A15 COVERS TO BE USED IN AREAS INACCESSIBLE TO VEHICLES; LOAD CLASS B125 COVERS TO BE USED IN PRIVATE DRIVES; LOAD CLASS D400 COVERS TO BE USED IN PRIVATE ROADS.
13. ROAD GULLY GRATES AND FRAMES SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 124-1 TO 6:2015 AND BE OF A NON-ROCKING DESIGN WITH LEFT HANDED CAPTIVE HINGE ACCESS AND BE KITEMARKED. LOAD CLASS D400 GRATES TO BE USED IN PRIVATE ROADS, TYPE D400:450 GRATE AND FRAME. MINIMUM AREA OF WATERWAY TO BE 1010cm².
14. YARD GULLY GRATES AND FRAMES SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 124-1 TO 6:2015 AND BE OF A NON-ROCKING DESIGN AND BE KITEMARKED. LOAD CLASS A15 GRATES TO BE USED IN AREAS INACCESSIBLE TO VEHICLES; LOAD CLASS B125 GRATES TO BE USED IN PRIVATE DRIVES; LOAD CLASS D400 GRATES TO BE USED IN PRIVATE ROADS. SUMP UNIT AND SILT BUCKET UNITS TO BE USED ON ALL GULLIES.
15. DRAINAGE CHANNELS TO BE ACO M1000 0.0 MULTIDRAIN CHANNEL (O.S.A) FITTED WITH SLOTTED DUCTILE IRON GRATING. GRATES SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 124-1 TO 6:2015 AND BE KITEMARKED. LOAD CLASS A15 GRATES TO BE USED IN AREAS INACCESSIBLE TO VEHICLES; LOAD CLASS B125 GRATES TO BE USED IN PRIVATE DRIVES; LOAD CLASS D400 GRATES TO BE USED IN PRIVATE ROADS. MINIMUM AREA OF WATERWAY TO BE 900cm².
16. CLASS 2 BEDDING DETAIL SHALL BE PROVIDED:
 - WHERE COVER TO PIPE BARREL IS:
 - i) <1.2m IN VEHICULAR TRAFFICKED AREAS
 - ii) <0.9m IN AREAS INACCESSIBLE TO VEHICLES.
 - AT ALL ROAD GULLY, YARD GULLY, RWP, SVP AND DRAINAGE CHANNEL BRANCHES.
 - AREAS OF DEEP ROOTING VEGETATION.
 - PIPE RUNS NEAR BUILDINGS IN ACCORDANCE WITH TYPICAL SECTIONS
 - WHERE TWO PIPES CROSS WITH A CLEAR GAP OF <300mm, CLASS 2 SURROUND TO EXTEND A MINIMUM OF 1.0m FROM THE CENTRE OF THE CROSSING POINT & EXTENDED TO WITHIN 150mm OF THE NEAREST FLEXIBLE JOINT, WHERE REQUIRED.
17. NO MECHANICAL COMPACTION OF FILL MATERIAL WITHIN 300mm OF THE CROWN OF ANY PIPE.

THE VERSIONS OF BRITISH STANDARDS AND OTHER PUBLICATIONS LISTED ABOVE ARE CURRENT AT THE TIME OF THE DRAWING ISSUE. HOWEVER IF THESE HAVE BEEN REVISED OR UPDATED THEN THE NEWER VERSIONS SHOULD BE USED. ANY DISCREPANCIES SHOULD BE NOTIFIED TO AWP IMMEDIATELY.

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2. This drawing is to be read in conjunction with all other relevant drawings and specifications for this project and apparent inconsistencies brought to the attention of the Project Design Manager.
3. Do not scale directly from drawing - if in doubt ask!

NOTES:

1. THESE NOTES ARE INTENDED TO AUGMENT DRAWINGS AND SPECIFICATIONS, WHERE CONFLICT OF REQUIREMENTS EXIST THE ORDER OF PRECEDENCE SHALL BE AS SHOWN IN THE SPECIFICATION, OTHERWISE THE STRICTEST PROVISION SHALL GOVERN.
 2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS AND ARCHITECTS DRAWINGS.
 3. DRAWINGS NOT TO BE SCALED. ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR. ANY DISCREPANCIES TO BE NOTIFIED TO THE ENGINEER AND FURTHER INSTRUCTIONS OBTAINED BEFORE WORK IS COMMENCED.
 4. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS THE CONTRACTORS SOLE RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURE AND ENSURE THAT THE BUILDING AND ITS COMPONENTS ARE SAFE DURING ERECTION. THIS INCLUDES THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR TIE-DOWNS WHICH MAY BE NECESSARY, SUCH MATERIAL REMAINING THE PROPERTY OF THE CONTRACTOR ON COMPLETION, AND FOR ENSURING THAT THE WORKS AND ANY ADJACENT PROPERTIES ARE SAFE IN THE TEMPORARY CONDITION.
- CONCRETE NOTES:**
- DESIGNATED CONCRETE:**
3. ALL DESIGNATED CONCRETE TO CONFORM TO BS 8500-2
 - DESIGNATION - GEN 3
 - CEMENT TYPE - SRPC
 - MAXIMUM AGGREGATE SIZE - 20mm
 - CONSISTENCY CLASS - TO BE AGREED ON SITE
 4. ALL EXPOSED EDGES TO HAVE 20x20mm CHAMFER.
 5. IMMEDIATELY AFTER LAYING, CONCRETE SHALL BE PROTECTED FROM RAIN, RAPID TEMPERATURE CHANGE, FROST AND FROM DRYING OUT. ALSO MAINTAIN THE CONCRETE ABOVE 2° IN COLD WEATHER. THE METHODS USED SHALL BE IN ACCORDANCE WITH B.S. 5400, OR APPROVED BY THE ENGINEER.
 6. ALL FORMWORK TO BE CLASS F.

HEALTH & SAFETY

THIS DRAWING IS ISSUED FOR INCLUSION IN THE PROJECT HEALTH AND SAFETY FILE AND THE INFORMATION INDICATED IS TO THE BEST OF OUR KNOWLEDGE REPRESENTATIVE OF THE CONSTRUCTED WORKS. ALAN WOOD & PARTNERS HAVE NOT CARRIED OUT FULL SITE SUPERVISION OF THE PROJECT DURING CONSTRUCTION. THE CONTRACTOR IS DEEMED TO HAVE INSTALLED THE WORKS IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS UNLESS NOTED OTHERWISE ON THIS DRAWING OR CONFIRMED SEPARATELY BY THE CONTRACTOR IN WRITING.

H501 HEALTH & SAFETY FILE ISSUE	14.08.20	GDV	KR
REV REASON FOR REVISION	DATE	BY	CHK

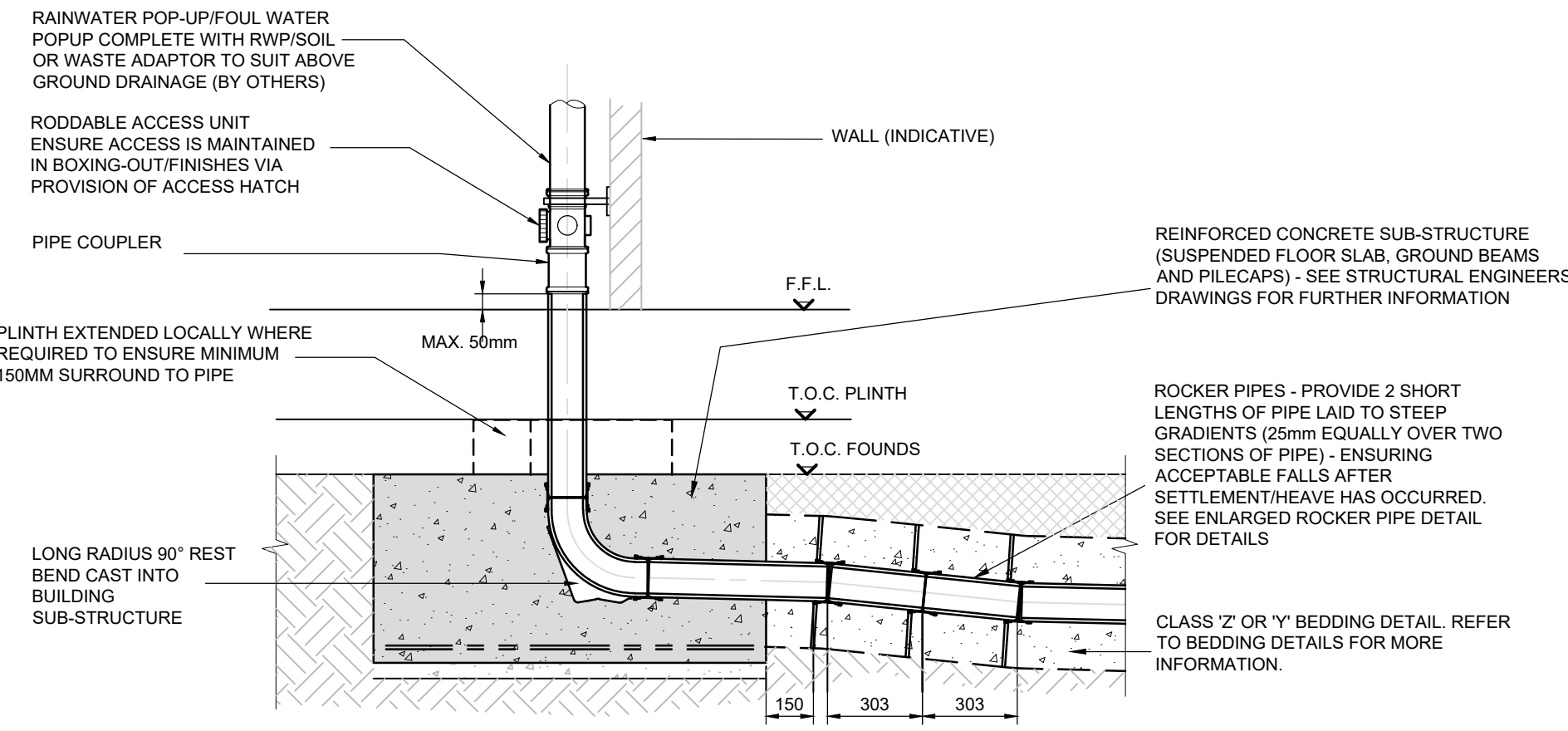
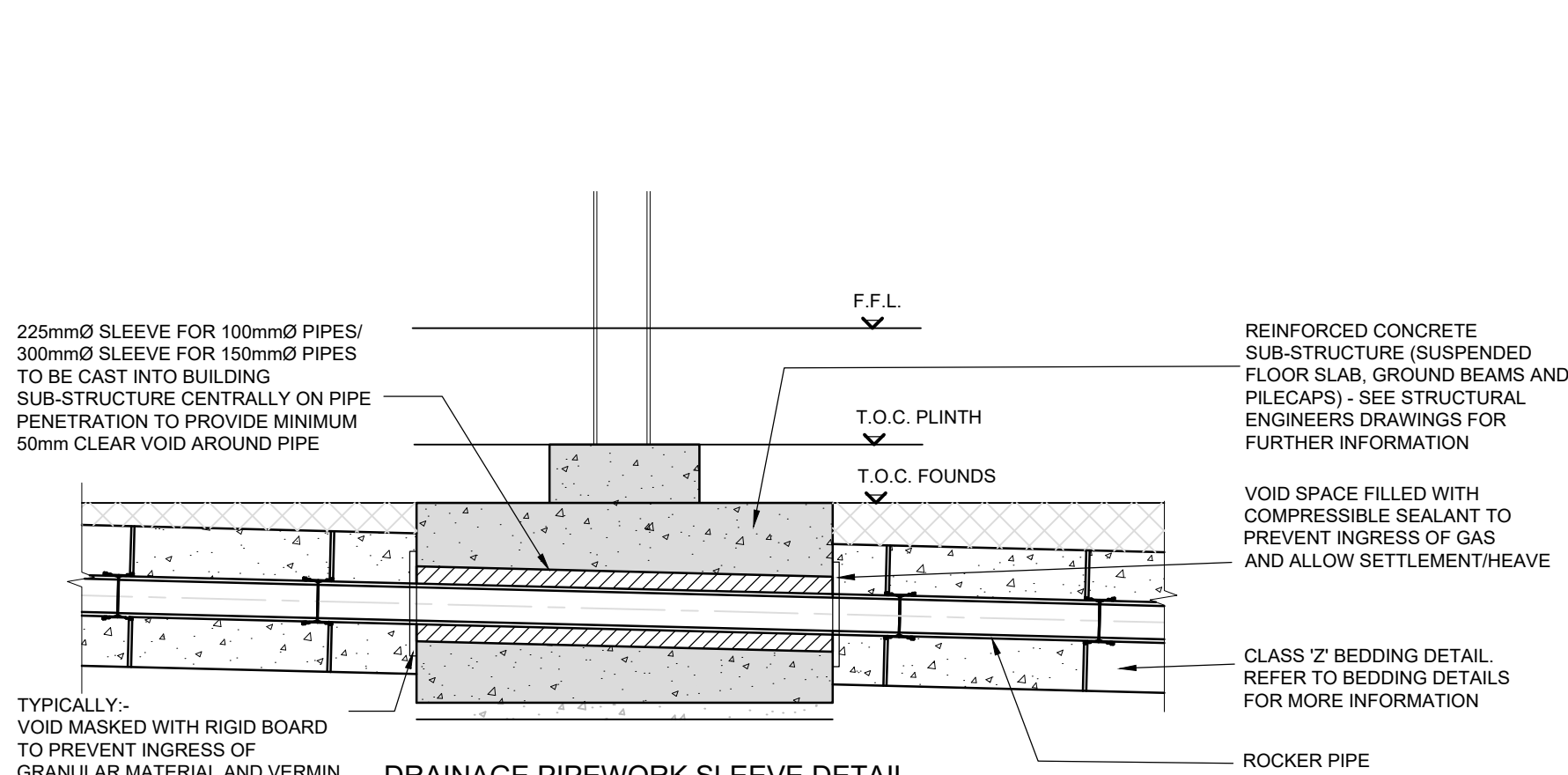


CLIENT:
CALEDONIAN MODULAR

PROJECT REF:
Haygrove School

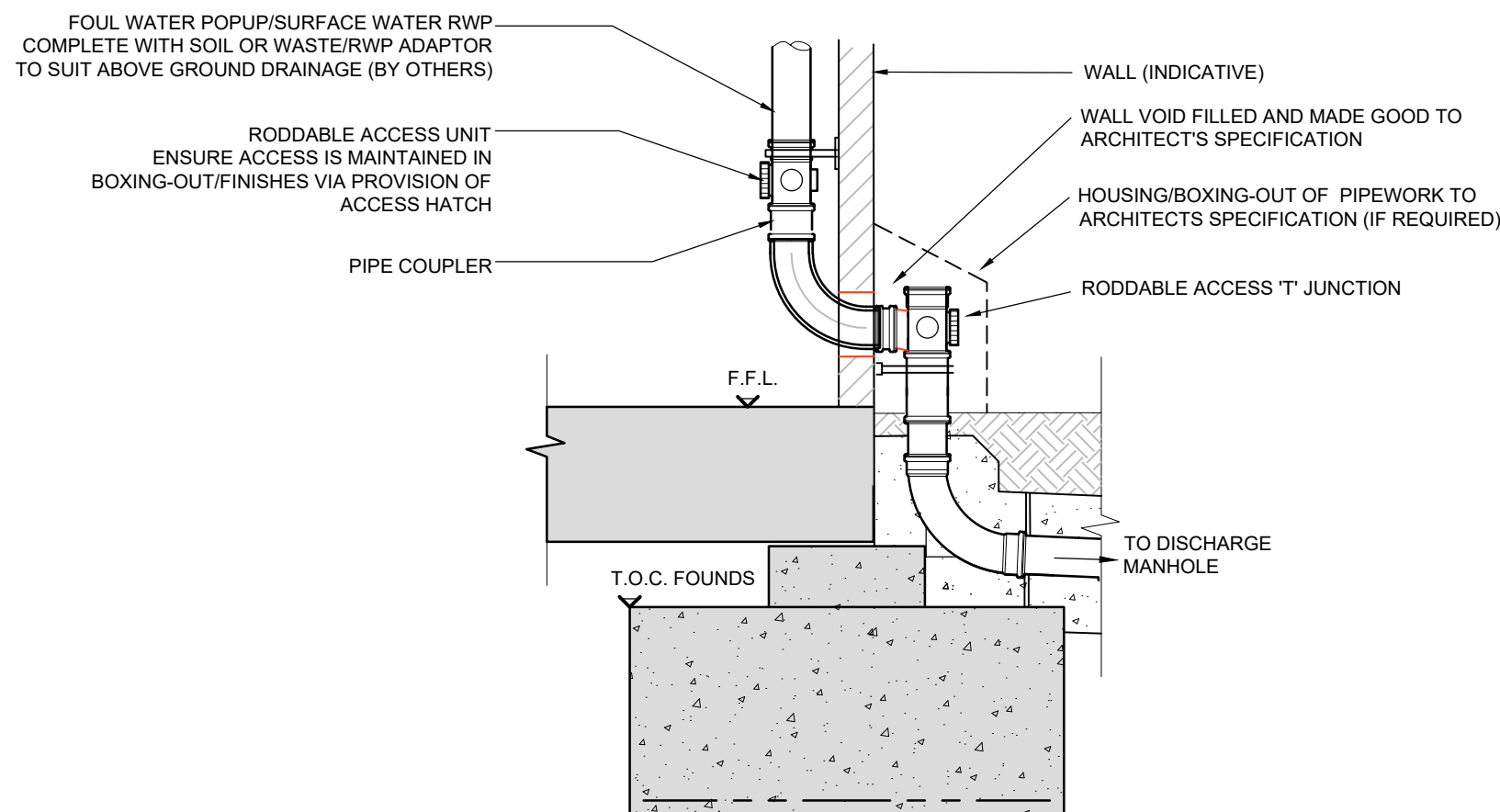
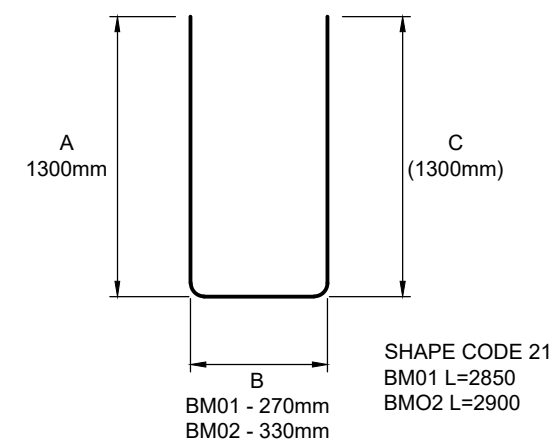
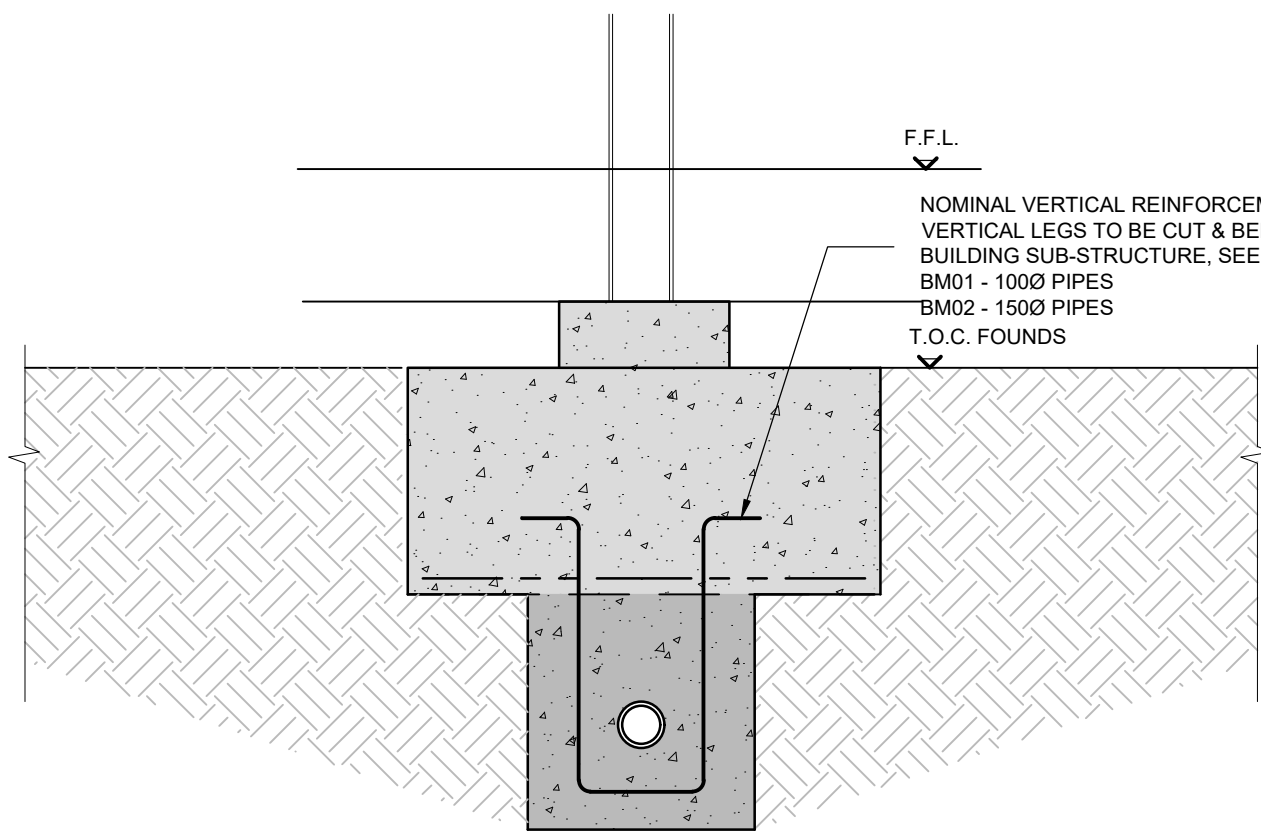
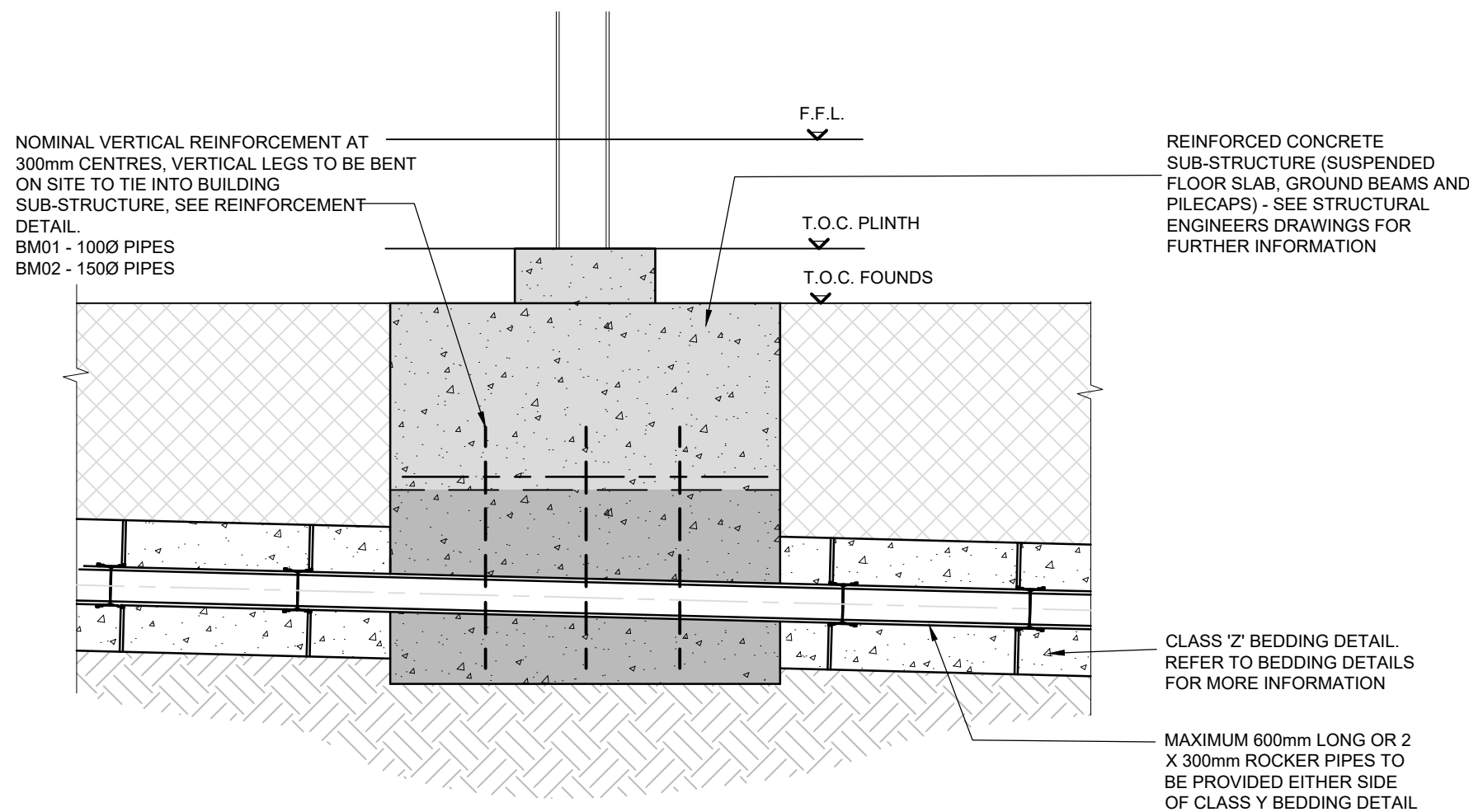
DESCRIPTION:
Drainage Details (Sheet 4)

DOCUMENT REFERENCE No:						
136917	AWP	00	XX	DR	C	00-3703
Project No.	Orig	Volume	Level	Type	Role	Chrono No.
SCALE @ A1: AS NOTED			REV: H501			
CONTRACT NUMBER: CWH001			DATE: 19/03/2019			
INFORMATION STATUS: FINAL ISSUE						
SUBCONTRACTOR COMPANY TRADE NAME			SUBCONTRACTOR CONTRACT REF. No			
			41636			
Alan Wood & Partners						



DRAINAGE STACK DETAIL 3 - REST BEND CAST INTO BUILDING SUB-STRUCTURE

(ALLOWANCE FOR HEAVE/SETTLEMENT OF DOWNSTREAM PIPEWORK)



INTERNAL DRAINAGE PIPEWORK EXITING OUT THE SIDE OF THE BUILDING (ONLY WHERE INVERT LEVEL DOESN'T ALLOW FOR CONNECTION THROUGH FLOOR, OTHERWISE USE STANDARD INTERNAL SVP DETAIL THROUGH FLOOR)

WHERE PIPEWORK RUNS THROUGH BUILDING WALL

PRIVATE DRAINAGE NOTES:

1. DRAINAGE SYSTEMS TO COMPLY WITH THE FOLLOWING STANDARDS:
 - BS EN 752:2008
 - BUILDING REGULATIONS APPROVED DOCUMENT PART H, 2015 EDITION
2. ALL COMPONENTS USED IN DRAINAGE SYSTEMS TO COMPLY WITH THE FOLLOWING: BS EN 476:2011
3. ALL DRAINAGE SYSTEMS AND COMPONENTS TO BE CONSTRUCTED AND TESTED TO THE FULL SATISFACTION OF BOTH BUILDING REGULATIONS AND WARRANTY PROVIDER INSPECTORS
4. ALL DRAINAGE TO BE CONSTRUCTED AND TESTED IN ACCORDANCE WITH BS EN 1610:2015.
5. V.C. DENOTES VITRIFIED CLAY. VITRIFIED CLAY PIPES AND FITTINGS TO COMPLY WITH THE RELEVANT PROVISIONS OF BS EN295-1:2013, 2:2013, 3:2012 AND BS 65 RESPECTIVELY AND BE KITEMARKED. ALL PIPES SHALL BE EXTRA STRENGTH TO BS 65 OR EQUIVALENT BS EN295 PIPE CRUSHING STRENGTH.
6. LATERAL DRAIN CONNECTIONS (PIPES CONNECTING INTO ADAPTABLE SEWERS) TO BE VITRIFIED CLAY. WHERE COVER IS LESS THAN 1.2m TO GROUND LEVEL PIPE PROTECTION IS REQUIRED IN THE FORM OF A CONCRETE COVER SLAB.
7. PVC-U DENOTES UNPLASTISSED POLYVINYL CHLORIDE. PVC-U PIPES AND FITTINGS TO COMPLY WITH THE RELEVANT PROVISIONS OF BS EN1401, BS EN13476-2 AND BS4060:1989/2000 RESPECTIVELY AND BE KITEMARKED.
8. PRECAST CONCRETE MANHOLES TO BE IN ACCORDANCE WITH BS EN 1917:2002 AND BS 5911-3:2010, 4:2002 AND TO BE KITEMARKED. PRECAST CONCRETE RINGS AND COVER SLABS TO CONCRETE PIPES TO BE JOINTED WITH CEMENT MORTAR UNLESS NOTED OTHERWISE.
9. INSITU AND PRECAST CONCRETE UNITS SHALL HAVE SULPHATE RESISTING PORTLAND CEMENT TO BS EN 197-1:2011.
10. POLYPROPYLENE INSPECTION CHAMBERS TO COMPLY WITH BS EN 13598-1:2010, 2:2016 AND BS 7158:2001 AND TO BE KITEMARKED.
11. MANHOLE COVERS AND FRAMES SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 124-1 TO 6:2015. MANHOLE COVERS AND FRAMES TO BE OF A NON-ROCKING DESIGN WITH CUSHION INSERTS AND KITEMARKED. LOAD CLASS A15 COVERS TO BE USED IN AREAS INACCESSIBLE TO VEHICLES. LOAD CLASS B125 COVERS TO BE USED IN PRIVATE DRIVES. LOAD CLASS D400 COVERS TO BE USED IN PRIVATE ROADS. ALL COVERS TO BE BADGED "FW" OR "SW" AS APPROPRIATE. MANHOLE COVER SLABS AND ACCESS TO BE IN ACCORDANCE WITH CONCRETE PIPE ASSOCIATION TECHNICAL BULLETIN ISSUED SEPTEMBER 2001.
12. POLYPROPYLENE INSPECTION CHAMBER COVERS AND FRAMES SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 124-1 TO 6:2015. COVERS AND FRAMES TO BE OF A NON-ROCKING DESIGN WITH CUSHION INSERTS AND KITEMARKED. LOAD CLASS A15 COVERS TO BE USED IN AREAS INACCESSIBLE TO VEHICLES. LOAD CLASS B125 COVERS TO BE USED IN PRIVATE DRIVES. LOAD CLASS D400 COVERS TO BE USED IN PRIVATE ROADS.
13. ROAD GULLY GRATES AND FRAMES SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 124-1 TO 6:2015 AND BE OF A NON-ROCKING DESIGN WITH LEFT HANDED CAPTIVE HINGE ACCESS AND BE KITEMARKED. LOAD CLASS D400 GRATES TO BE USED IN PRIVATE ROADS. TYPE D400:450 GRATE AND FRAME. MINIMUM AREA OF WATERWAY TO BE 1010cm².
14. YARD GULLY GRATES AND FRAMES SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 124-1 TO 6:2015 AND BE OF A NON-ROCKING DESIGN AND BE KITEMARKED. LOAD CLASS A15 GRATES TO BE USED IN AREAS INACCESSIBLE TO VEHICLES. LOAD CLASS B125 GRATES TO BE USED IN PRIVATE DRIVES. TYPE B125:450 GRATE AND FRAME. MINIMUM AREA OF WATERWAY TO BE 900cm².
15. DRAINAGE CHANNELS TO BE ACO M100D 0.0 MULTIDRAIN CHANNEL (O.S.A) FITTED WITH SLOTTED DUCTILE IRON GRATING. GRATES SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 124-1 TO 6:2015 AND BE KITEMARKED. LOAD CLASS A15 GRATES TO BE USED IN AREAS INACCESSIBLE TO VEHICLES. LOAD CLASS B125 GRATES TO BE USED IN PRIVATE DRIVES. LOAD CLASS D400 GRATES TO BE USED IN PRIVATE ROADS. SUMP UNIT AND SILT BUCKET UNITS TO BE USED ON ALL GULLIES.
16. CLASS Z BEDDING DETAIL SHALL BE PROVIDED:
 - WHERE COVER TO PIPE BARREL IS:
 - i) <1.2m IN VEHICULAR TRAFFICKED AREAS
 - ii) <0.9m IN AREAS INACCESSIBLE TO VEHICLES.
 - AT ALL ROAD GULLY, YARD GULLY, RWP, SVP AND DRAINAGE CHANNEL BRANCHES.
 - AREAS OF DEEP ROOTING VEGETATION.
 - PIPE RUNS NEAR BUILDINGS IN ACCORDANCE WITH TYPICAL SECTIONS ON AWP DRAWING 37151/731.
 - WHERE TWO PIPES CROSS WITH A CLEAR GAP OF <300mm. CLASS Z SURROUND TO EXTEND A MINIMUM OF 1.0m FROM THE CENTRE OF THE CROSSING POINT & EXTENDED TO WITHIN 150mm OF THE NEAREST FLEXIBLE JOINT, WHERE REQUIRED.
17. NO MECHANICAL COMPACTION OF FILL MATERIAL WITHIN 300mm OF THE CROWN OF ANY PIPE.

THE VERSIONS OF BRITISH STANDARDS AND OTHER PUBLICATIONS LISTED ABOVE ARE CURRENT AT THE TIME OF THE DRAWING ISSUE. HOWEVER IF THESE HAVE BEEN REVISED OR UPDATED THEN THE NEWER VERSIONS SHOULD BE USED. ANY DISCREPANCIES SHOULD BE NOTIFIED TO AWP IMMEDIATELY.

NOTES:

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3. Do not scale directly from drawing - if in doubt ask!

CONCRETE NOTES:

DESIGNATED CONCRETE:

3. ALL DESIGNATED CONCRETE TO CONFORM TO BS 8500-2
 - DESIGNATION - GEN 3
 - CEMENT TYPE - SRPC
 - MAXIMUM AGGREGATE SIZE - 20mm
 - CONSISTENCY CLASS - TO BE AGREED ON SITE
4. ALL EXPOSED EDGES TO HAVE 20x20mm CHAMFER.
1. IMMEDIATELY AFTER LAYING, CONCRETE SHALL BE PROTECTED FROM RAIN, RAPID TEMPERATURE CHANGE, FROST AND FROM DRYING OUT. ALSO MAINTAIN THE CONCRETE ABOVE 2' IN COLD WEATHER. THE METHODS USED SHALL BE IN ACCORDANCE WITH B.S. 5400, OR APPROVED BY THE ENGINEER.
6. ALL FORMWORK TO BE CLASS F.

HEALTH & SAFETY

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H501 HEALTH & SAFETY FILE ISSUE	14.08.20	GDV	KR
REV REASON FOR REVISION	DATE	BY	CHK



CLIENT:
CALEDONIAN MODULAR

PROJECT REF:
Haygrove School

DESCRIPTION:
Drainage Details (Sheet 5)

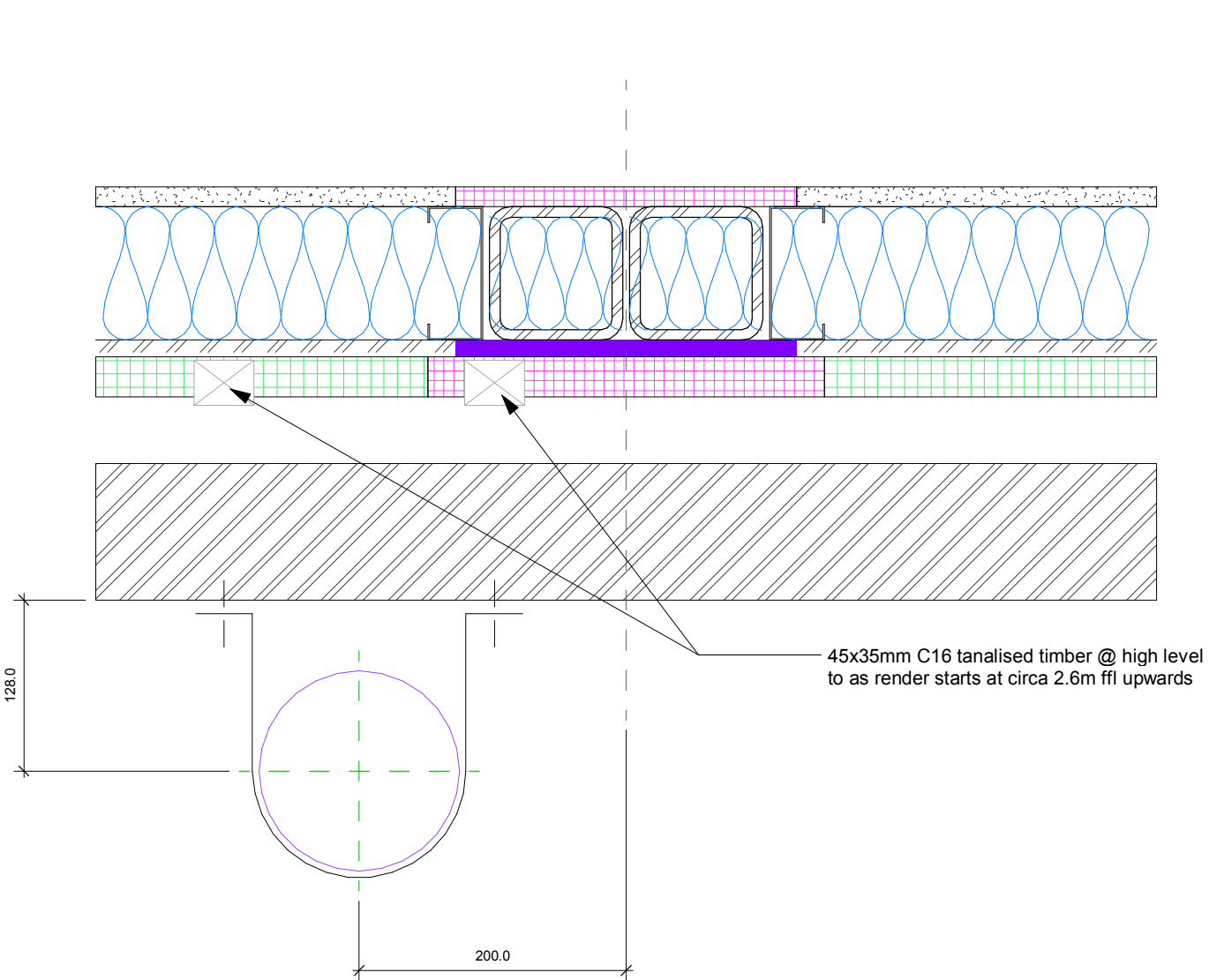
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Project No.	Orig	Volume	Level	Type	Role	Chrono No.
SCALE @ A1: 1:20 UNO			REV: H501			
CONTRACT NUMBER: CWH001			DATE: 22.08.19			
INFORMATION STATUS: FINAL ISSUE						
SUBCONTRACTOR COMPANY TRADE NAME			SUBCONTRACTOR CONTRACT REF. No			
			41636			
Alan Wood & Partners						

JOB NO: 41636 - DRAINAGE - DRAWING REFERENCE TABLE	
This Drawing to be Read in Conjunction with the Drawings Listed Below	
Alan Wood & Partners (Civil)	Drawing Reference
Drainage Layouts	136917- AWP - ZZ - XX - DR - C - 3000 to 3001
Drainage Details	136917- AWP - ZZ - XX - DR - C - 3700 to 3704
Site Cut and Fill	136917- AWP - ZZ - XX - DR - C - 4000
Site Build-up Areas	136917- AWP - ZZ - XX - DR - C - 4100
External Details	136917- AWP - ZZ - XX - DR - C - 4300
Drawings by others	Date Received
Site Layout Dr by Caledonian Modular	18-10-2018
Proposed Site Levels and Layout by HLM Architects	30-10-2018
Existing Site Levels Topo by eGEOMATICS	05-09-2018
Structural Information by AWP	
M & E by AGL	

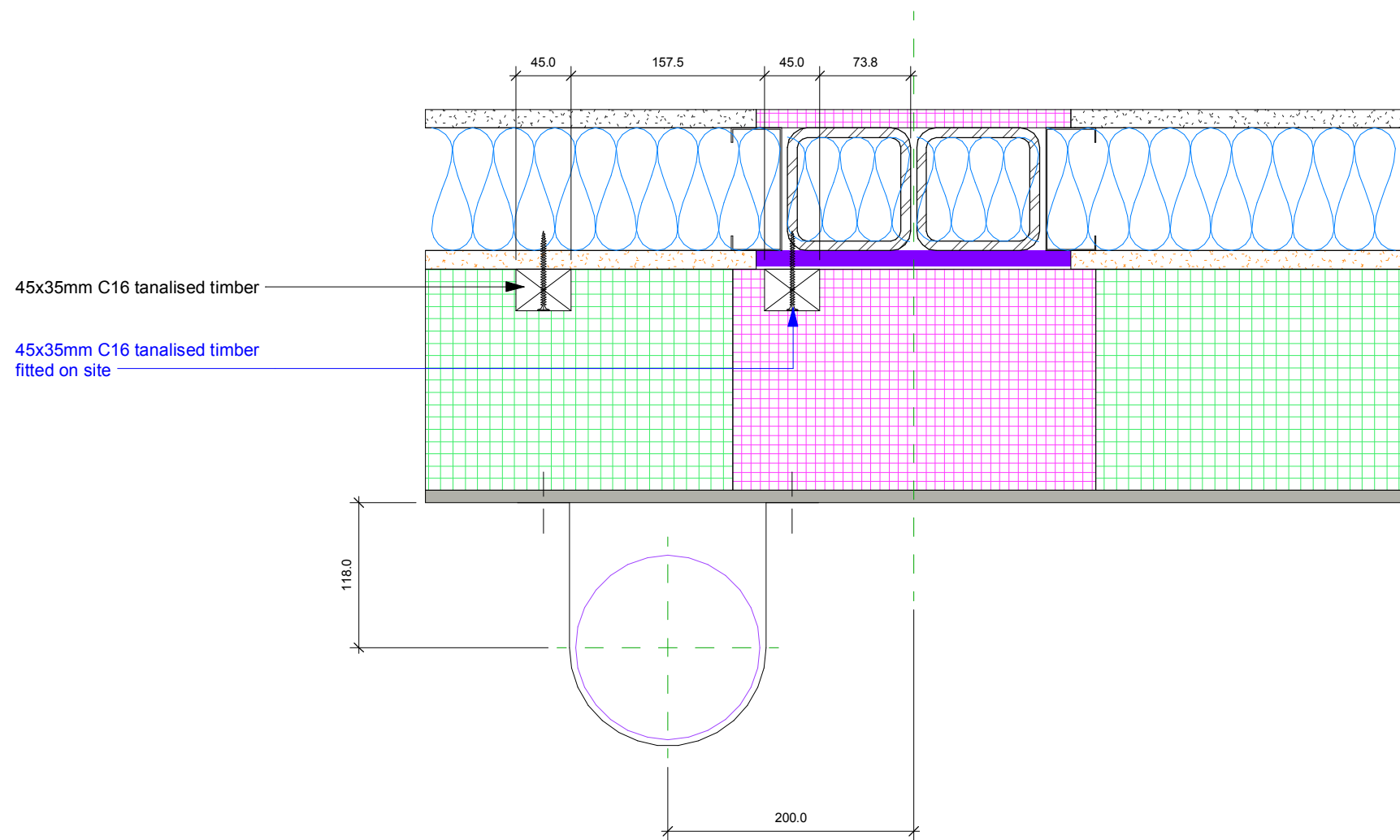


1 Rainwater pipe setting out

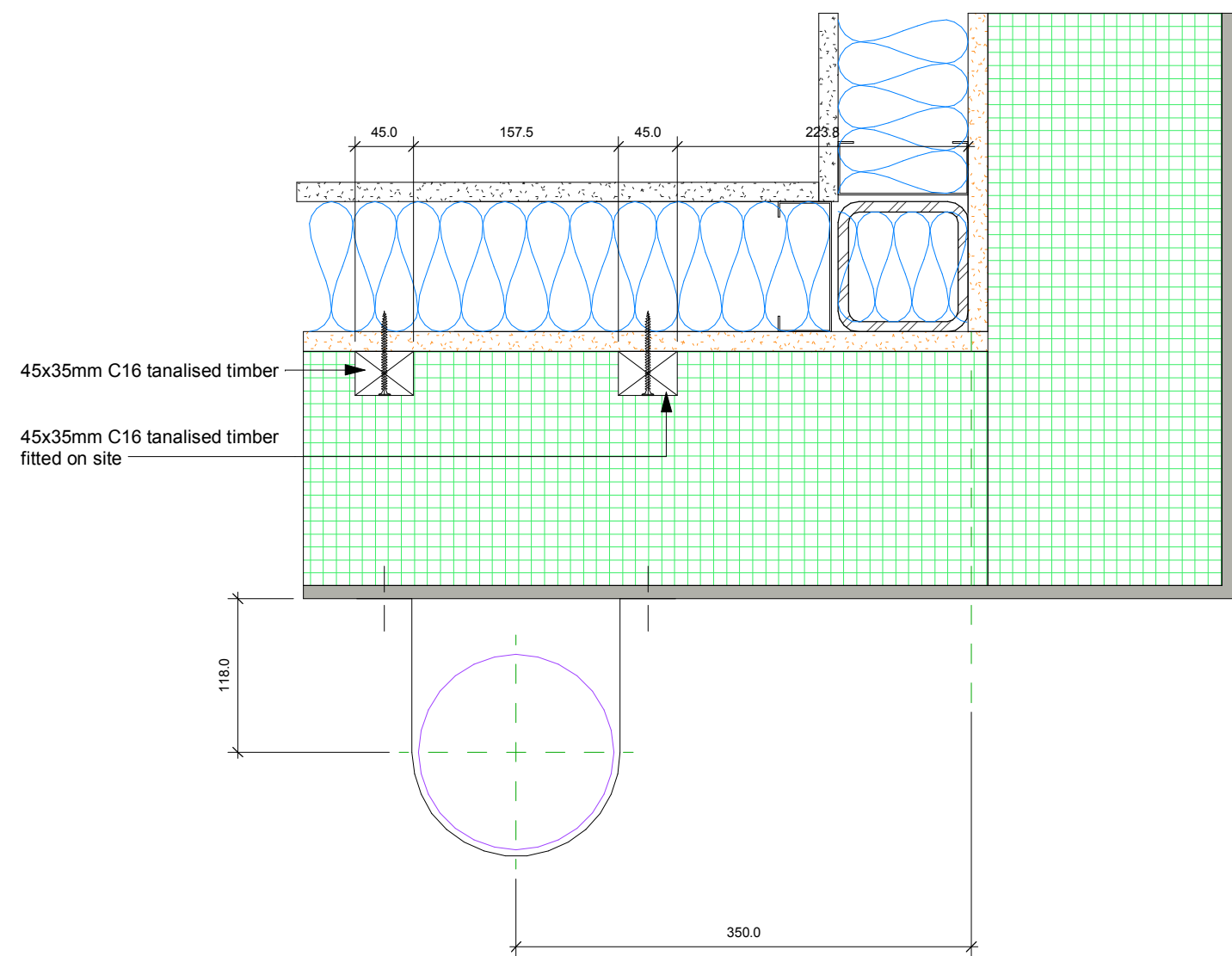
1 : 150



GROUND FLOOR
Typical rainwater detail



FIRST & SECOND FLOOR
Typical rainwater detail



FIRST & SECOND FLOOR
Typical Corner rainwater detail

2 Rainwater Pipe Detail

1 : 5

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NOTES:

1. The timber rails detailed on the first & second floor will be required at high level on the ground floor due to brickwork only be circa 2.6m high

C03	Final Issue	14/09/20	JH	KC
C02	Revised to include traditional rainwater pipes	30/01/20	EA	TD
C01	Construction Issue	20/08/19	DW	TD

REV	REASON FOR REVISION	DATE	BY	CHK
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CLIENT:

Caledonian

PROJECT REF:

Haygrove School

DESCRIPTION:

Rainwater Setting Out

DOCUMENT REFERENCE No:

136917 CAL MB ZZ DR W 00-2107

Project Orig Volume Level Type Role Class Numeric

SCALE @ A1: As Indicated REV: C03

CONTRACT NUMBER: 136917 DATE: 10/02/2020

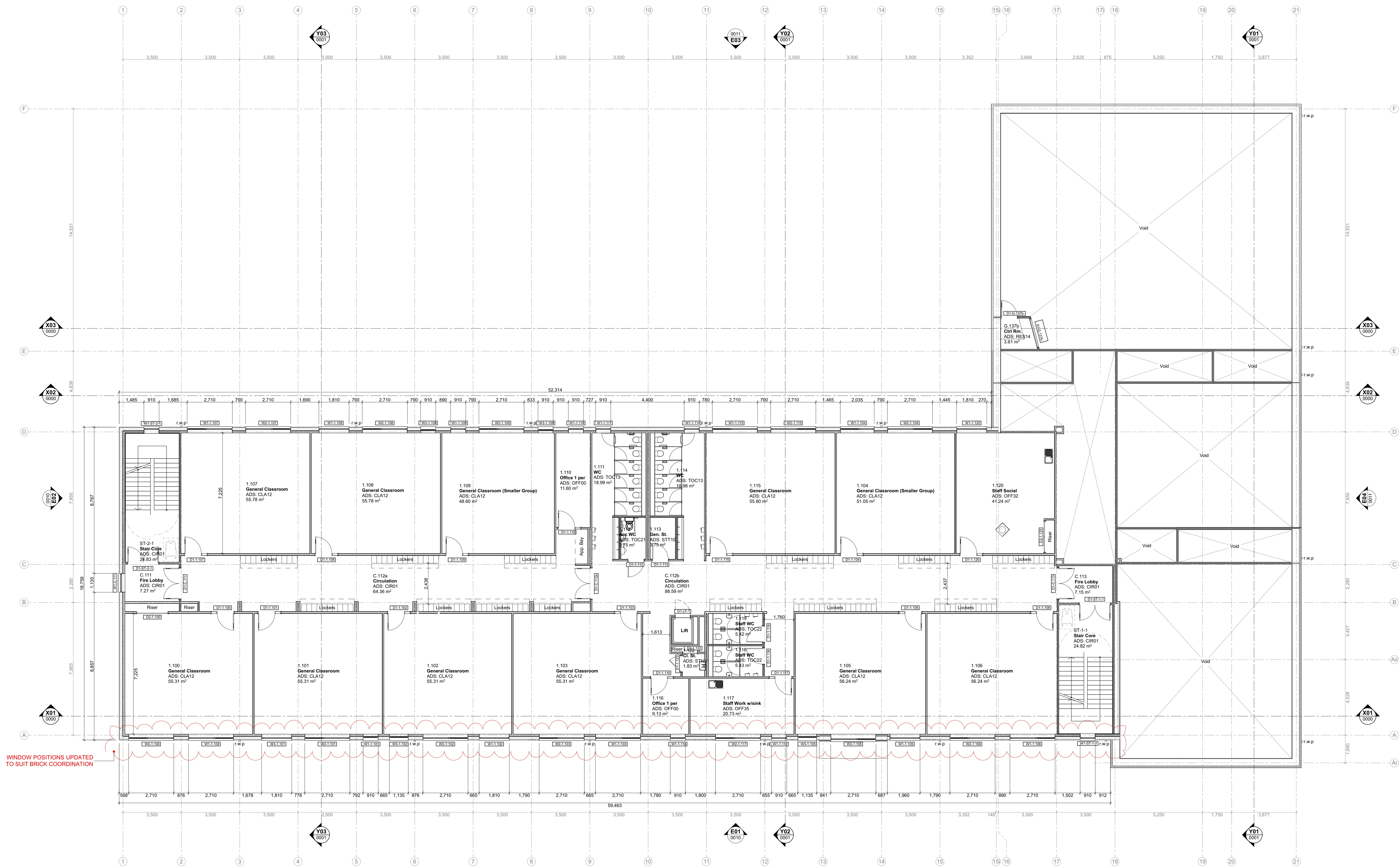
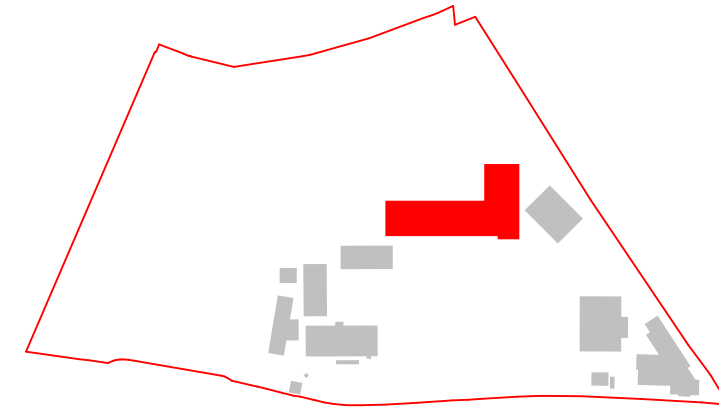
INFORMATION STATUS: FINAL ISSUE

SUBCONTRACTOR COMPANY TRADE NAME SUBCONTRACTOR CONTRACT REF. No

NOTES:



KEYPLAN:



P11	ISSUE FOR COMMENT	17.05.2018	SA	DP
P12	UPDATED ISSUE FOLLOWING PARTITIONS UPDATE	22.05.2018	SA	DP
P13	UPDATED ISSUE FOR CPA	07.05.2018	CP	MS
CP1	UPDATED ISSUE FOR CPA INCORPORATING CML	01.05.2018	MS	HLM
CP1	COMMENTS			
CP1	ISSUE FOR CPA	15.02.2018	MS	HLM
H16	ISSUE FROM TO BUILD OPS	20.03.2018	SA	MS
P13	ISSUE FOR PLANNING	13.02.2018	CP	AO
H16	ISSUE FROM BUILDING CHANGES	07.02.2018	CP	AO
P13	REVISED LOCKER LAYOUT	20.11.2018	CP	AO
P13	UPDATED ISSUE FOR COMMENT	20.11.2018	CP	AO
P13	UPDATED ISSUE FOR COMMENT	13.11.2018	CP	AO
P13	UPDATED ISSUE FOR COMMENT	09.11.2018	CP	AO
Rev	Drawings	Date	By	Chk



CLIENT:



PROJECT REF:
HAYGROVE SCHOOL

DESCRIPTION:

FIRST FLOOR GA PLAN

DOCUMENT REFERENCE No:

136917-HLM-00-01-DR-A-00-0001

Ref	Orig	Zone	Level	Type	Role	Classification	Change No.
SCALE @ A0 - 1:100						REV: P11	
CONTRACT NUMBER:						DATE: 10.10.2018	
SUITABILITY: S4							

1:100 0 10 M

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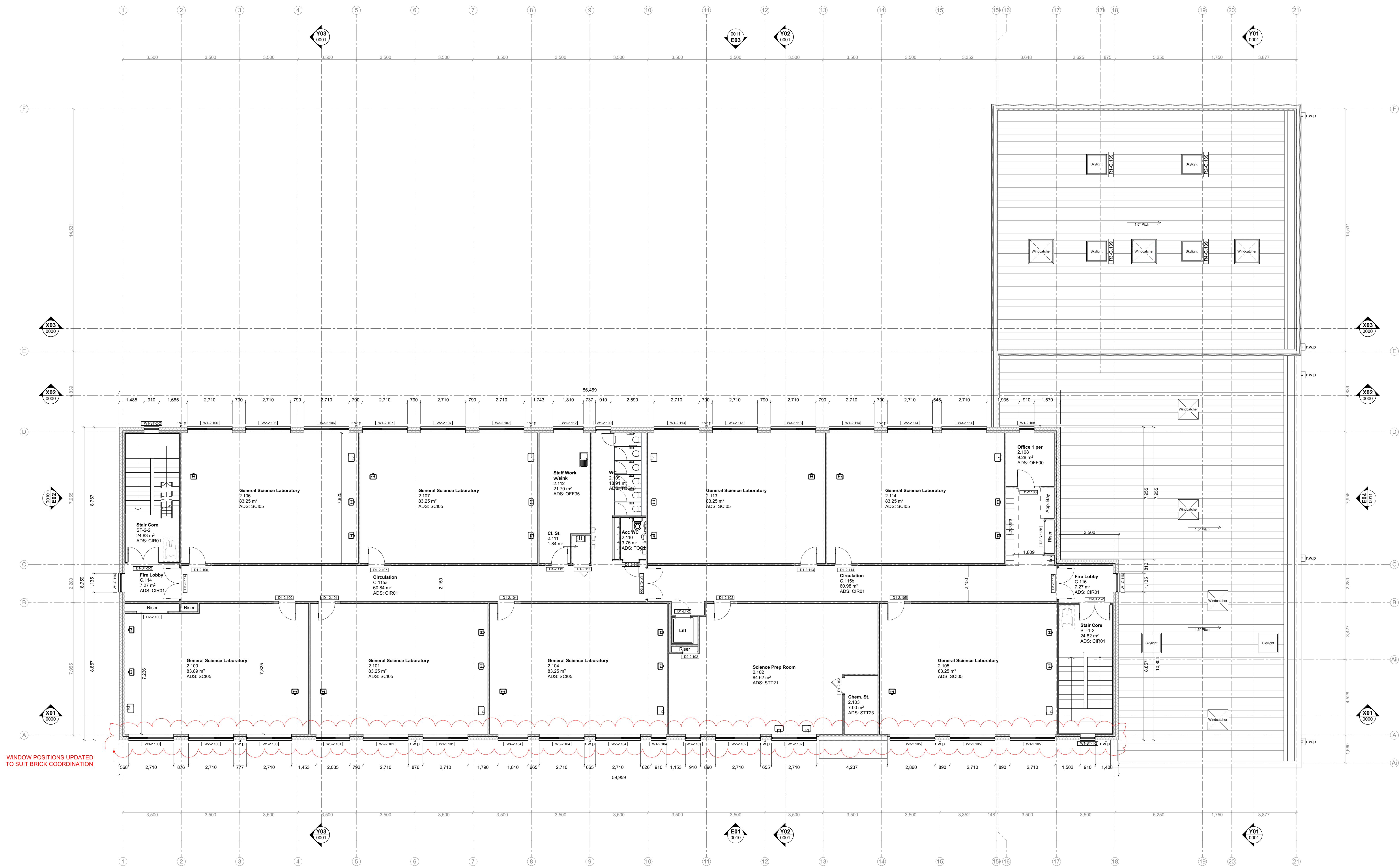
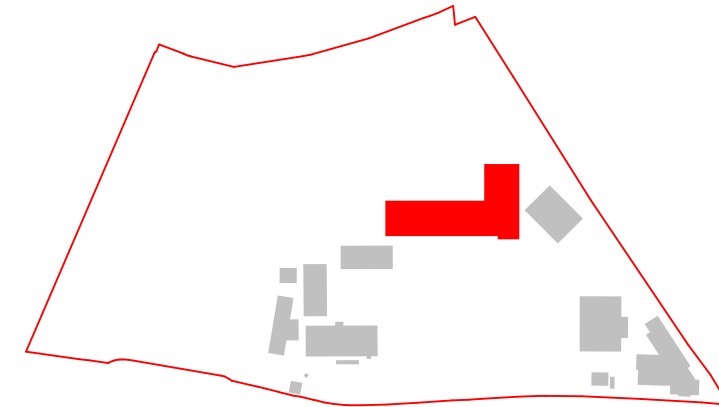
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NOTES:



KEYPLAN:



P10	ISSUE FOR COMMENT	17.03.2019	SA	DP
P09	UPDATED ISSUE FOLLOWING PARTITIONS UPDATE	22.03.2019	AS	DP
P08	UPDATED ISSUE FOR CPN	07.03.2019	DP	MB
CP2	UPDATED ISSUE FOR CPN INCORPORATING DIAL	01.03.2019	MB	HLM
CP1	ISSUE FOR CPN	10.02.2019	MB	HLM
P07	ISSUE PRIOR TO FULL CPN	25.01.2019	SA	AMS
P06	ISSUE FOR PARTITIONING	15.12.2018	DP	AD
P05	DRAWING NUMBER CHANGED	07.12.2018	DP	AD
P04	UPDATED ISSUE FOR COMMENT	20.11.2018	DP	AD
P03	UPDATED ISSUE FOR COMMENT	15.11.2018	DP	AD
P02	UPDATED ISSUE FOR COMMENT	13.11.2018	DP	AD
P01	UPDATED ISSUE FOR COMMENT	09.11.2018	DP	AD
Rev	Drawings	Date	RJ	Ch



CLIENT:



PROJECT REF:
HAYGROVE SCHOOL

REVISION:

SECOND FLOOR GA PLAN

DOCUMENT REFERENCE NO:

136917-HLM-00-02-DR-A-00-0002

Ref	Orig	Zone	Level	Type	Role	Classification	Change No.
SCALE @ A0 = 1:100	REV: P10						
CONTRACT NUMBER:	DATE: 10.10.2018						
SUITABILITY: S4							

1:100