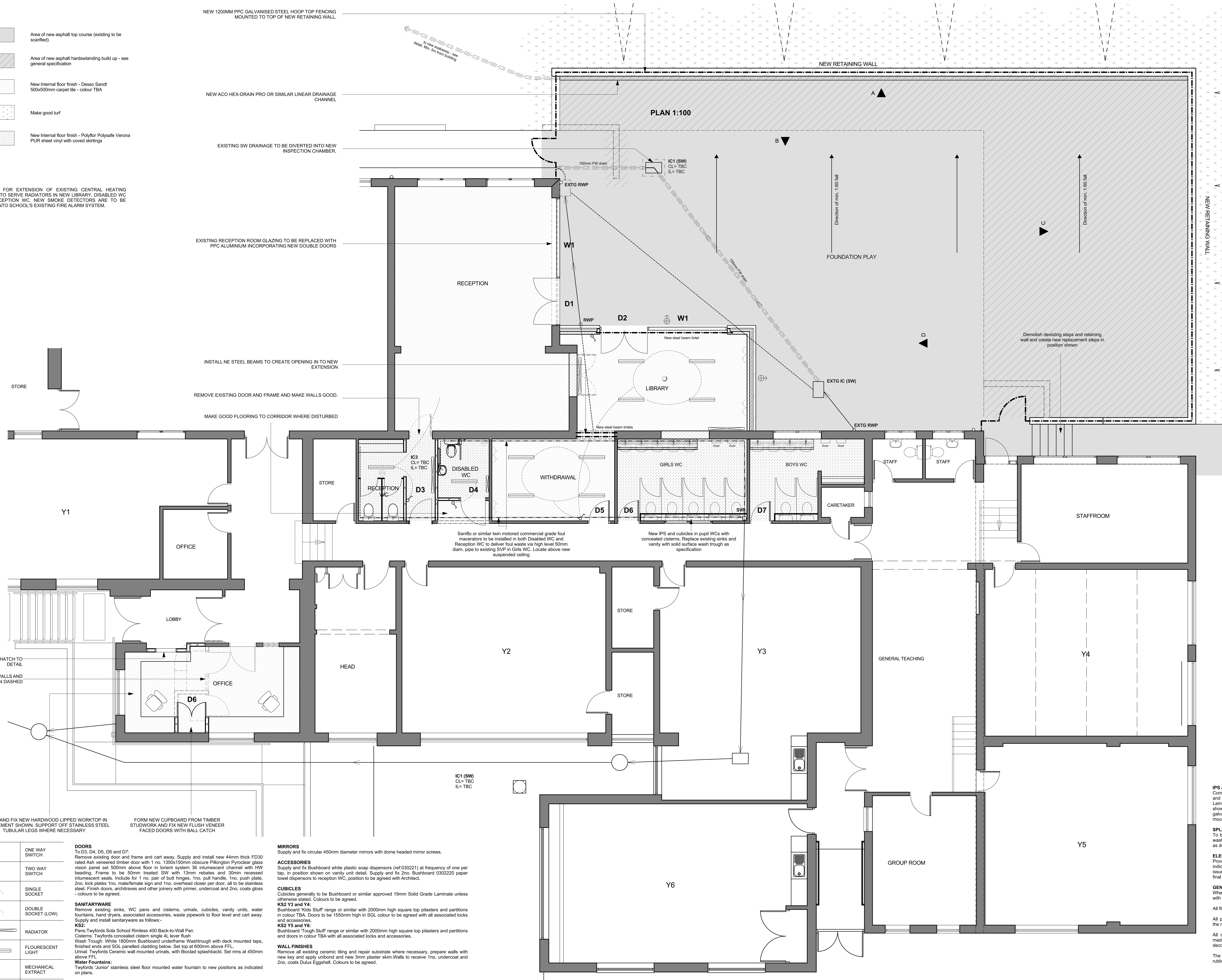
- Area of new asphalt top course (existing to be scarified)
- Area of new asphalt hardswtanding build up - see general specification
- New Internal floor finish - Desso Sandt 500x500mm carpet tile - colour TBA
- Make good turf
- New Internal floor finish - Polyflor Polysafe Verona PUR sheet vinyl with coved skirtings

M+E

INCLUDE FOR EXTENSION OF EXISTING CENTRAL HEATING SYSTEM TO SERVE RADIATORS IN NEW LIBRARY, DISABLED WC AND RECEPTION WC. NEW SMOKE DETECTORS ARE TO BE LINKED INTO SCHOOL'S EXISTING FIRE ALARM SYSTEM.



	ONE WAY SWITCH
	TWO WAY SWITCH
	SINGLE SOCKET
	DOUBLE SOCKET (LOW)
	RADIATOR
	FLOURESCENT LIGHT
	MECHANICAL EXTRACT
	SMOKE DETECTOR
	EXTERNAL LIGHT
	MECHANICAL EXTRACT
	SMOKE DETECTOR

Electrical Key

DOORS
To D3, D4, D5, D6 and D7:
Remove existing door and frame and cart away. Supply and install new 44mm thick FD30 rated Ash veneered timber door with 1 no. 1350x150mm obscure Pilkington Pyroclear glass vision panel set 500mm above floor in lorient system 36 intumescent channel with HW beading. Frame to be 50mm treated SW with 13mm rebates and 30min recessed intumescent seals. Include for 1 no. pair of butt hinges, 1no. pull handle, 1no. push plate, 2no. kick plates 1no. male/female sign and 1no. overhead closer per door, all to be stainless steel. Finish doors, architraves and other joinery with primer, undercoat and 2no. coats gloss - colours to be agreed.

SANITARYWARE
Remove existing sinks, WC pans and cisterns, urinals, cubicles, vanity units, water fountains, hand dryers, associated accessories, waste pipework to floor level and cart away. Supply and install sanitaryware as follows:-
KS2:
Pans:Twyfords Sola School Rimless 400 Back-to-Wall Pan
Cisterns: Twyfords concealed cistern single 4L lever flush
Wash Trough: White 1800mm Bushboard underframe Washtrough with deck mounted taps, finished ends and SGL panelled cladding below. Set top at 600mm above FFL.
Urinal: Twyfords Ceramic wall mounted urinals, with Bioclad splashbackl. Set rims at 450mm above FFL
Water Fountains:
Twyfords 'Junior' stainless steel floor mounted water fountain to new positions as indicated on plans.

PLUMBING
All new plumbing is to comply with BS5572/1978. 40mm diameter wastes to be fitted to basins complete with 75mm anti-vac trap and 100mm waste to WCs. All to be connected to existing drainage system in run locations as shown indicatively on plans.

BRASSWARE
Bushboard 'No Touch Classic' AT01-001 mixer taps with thermostatic valves as per M+E Engineer's specification. Include for all electrical supplies, transformers and accessories as required.

MASONRY OPENING INFILL (Y3 and Y4 BOYS)
Remove existing internal high level glazed screen and construct masonry infill to opening with 3.6N/m standard concrete blockwork. Finish with 12mm wet plaster and 3mm skim, ensuring that finished surface is flush with existing by feathering in.

STUD PARTITION
To reception and KS1 toilets, stud partition is to be constructed from 75x50 treated SW timber at min. 450mm centres, with 12mm plasterboard and skim.

MIRRORS
Supply and fix circular 450mm diameter mirrors with dome headed mirror screws.

ACCESSORIES
Supply and fix Bushboard white plastic soap dispensors (ref:030221) at frequency of one per tap, in position shown on vanity unit detail. Supply and fix 2no. Bushboard 0302220 paper towel dispensors to reception WC, position to be agreed with Architect.

CUBICLES
Cubicles generally to be Bushboard or similar approved 19mm Solid Grade Laminate unless otherwise stated. Colours to be agreed.
KS2 Y3 and Y4:
Bushboard 'Kids Stuff' range or similar with 2000mm high square top pilasters and partitions in colour TBA. Doors to be 1550mm high in SGL colour to be agreed with all associated locks and accessories.
KS2 Y5 and Y6:
Bushboard 'Tough Stuff' range or similar with 2000mm high square top pilasters and partitions and doors in colour TBA with all associated locks and accessories.

WALL FINISHES
Remove all existing ceramic tiling and repair substrate where necessary, prepare walls with new key and apply unibond and new 3mm plaster skim.Walls to receive 1no. undercoat and 2no. coats Dulux Eggshell. Colours to be agreed.

IPS / VANITY UNITS
Construct carcassing from treated 50x50mm SW timber and clad with Bushboard or similar 13mm Solid Grade Laminate panel cladding (Panel Only), in configurations as shown on details. Removable panels to be fixed using galvanise or stainless steel concealed hook fitting mounted to panel rear. Colours to be agreed.

SPLASHBACKS
To be Bioclad or similar approved PVC cladding above wash troughs, adjacent to urinals and below hand dryers, as detailed. Include for colours from 'Vivid' range.

ELECTRICAL
Provide new power supplies to hand dryer positions as indicated on plans - hand dryer units to be supplied free issue by employer. Include for fixing said units to wall and final fixing electrical supply.

GENERAL NOTES
Where boxing in pipework, all boxing is to be accessible with cup screws and caps unless otherwise stated.

All fittings are to be connected to the relevant services.

All products are to be installed in strict accordance with the manufaturer's instructions and recommendations.

All disturbances incurred through the works are to be made good to the satisfaction of the Architect (including decoration).

The site is to be left clean and tidy and free of builder's rubble.

FOUNDATIONS

750MM X 600MM TRENCH FILL FOUNDATIONS, CONCRETE MIX TO CONFORM TO BS EN 206-1 AND BS 8500-2. ALL FOUNDATIONS TO BE A MINIMUM OF 1000MM BELOW GROUND LEVEL, EXACT DEPTH TO AGREED ON SITE WITH BUILDING CONTROL OFFICER TO SUIT SITE CONDITIONS. ALL CONSTRUCTED IN ACCORDANCE WITH 2004 BUILDING REGULATIONS A1/2 AND BS 8004:1986 CODE OF PRACTICE FOR FOUNDATIONS. ENSURE FOUNDATIONS ARE CONSTRUCTED BELOW INVERT LEVEL OF ANY ADJACENT DRAINS. BASE OF FOUNDATIONS SUPPORTING INTERNAL WALLS TO BE MIN 600MM BELOW GROUND LEVEL. SULPHATE RESISTANT CEMENT TO BE USED IF REQUIRED. PLEASE NOTE THAT SHOULD ANY ADVERSE SOIL CONDITIONS OR DIFFERENCE IN SOIL TYPE BE FOUND OR ANY MAJOR TREE ROOTS IN EXCAVATIONS, THE BUILDING CONTROL OFFICER IS TO BE CONTACTED AND THE ADVICE OF A STRUCTURAL ENGINEER SHOULD BE SOUGHT.

CAVITY WALL CONSTRUCTION (BRICK FACED)

TO COMPRISE OF 102.5MM THICK BRICK WORK OUTER SKIN FL QUALITY WITH 125MM STRUCTURAL CAVITY WHICH IS TO BE PARTIALLY FILLED WITH 75MM THICK KINGSPAN K8 CAVITY INSULATION BOARD WHICH IS TO BE TIED BACK TO 100MM THICK TARMAC HEMLITE SOLID DENSE CONCRETE BLOCKWORK 3.5N/MM2 COMPRESSIVE STRENGTH USING WALL TIE RETAINING CLIPS AND NEW BLOCK WORK IS TO HAVE LAMDA VALUE OF BETWEEN 0.22 AND 0.32 WHICH GIVES MAX U-VALUE OF 0.28W/M2K.

INTERNAL WALLS

ALL NEW INTERNAL WALLS TO PROPOSED NEW EXTENSION ARE TO COMPRISE OF 140MM THICK TARMAC HEMLITE SOLID DENSE CONCRETE BLOCK WORK BUILT OFF 450X225MM CONCRETE STRIP FOOTINGS REINFORCED WITH ONE LAYER OF B503 MESH FABRIC TO TOP AND BOTTOM OF FOOTING WITH MIN 50MM COVER AND WALLS TO BE BUILT UPTO THE UNDER SIDE OF THE NEW FLAT ROOF DECK AND SEALED AT HEAD WITH INTUMESCENT/ACOUSTIC MASTIC.

DOORS AND WINDOWS

TO TO SUB-CONTRACTORS DESIGN. TO COMPRISE THERMALLY BROKEN RAMES, POLYESTER POWDER COATED ALUMINIUM IN A RAL COLOUR TBC. FRAMES TO BE INTERNALLY BEADED AND INSTALLED WITH A RATED ARGON FILLED DOUBLE GLAZED UNITS. WHOLE UNIT TO ACHIEVE U VALUE OF 1.8W/M2K.

OPENIGN CASEMENTS TO BE TOP HUNG AND OPEN EXTERNALLY WITH INTEGRAL RESTRICTORS AND REMOTE CONTROLLED ACTUATORS WHERE REQUIRED

SUSPENDED CEILINGS

TO LIBRARY, WITHDRAWAL, RECPTION, RECEPTION WC, DIABLED WC, GIRLS WC, BOYS WC AND OFFICE AREAS THE CONTRACTOR IS TO INCLUDE FOR SUPPLYING AND FIXING ARMSTRONG DUNE MAX 600X600MM SUSPENDED CEILING TILES SET IN WHITE TEGULAR GRID COMPLETE WITH GALVANIZED HANGING SYSTEM AND TO PERIMETER OF CEILING GRID PROVIDE AND FIX 50X50MM H.W TIMBER SHADOW BATTEN PAINTED BLACK AND WHERE HIGH LEVEL WINDOWS ARE SITUATED INCLUDE FOR SLOPED REVEALS AT WINDOW HEADS WITH NEW CEILING GRID AND TILES. PLEASE NOTE IF SURFACE MOUNTED LIGHT FITTINGS ARE TO BE USED IN NEW CEILING GRID THEN THEY ARE TO BE SUPPORTED BY 600X600X9MM THICK WBP PLYWOOD PANELS AS REQUIRED. SEE ELECTRICAL AND HEATING PLANS FOR APPROX LOCATIONS.

PLAYGROUND/FOOTPATH CONSTRUCTION

TO COMPRISE OF 25MM THICK 6MM DENSE BITUMEN WEARING COURSE TO BS4987 CLAUSE 7.5WITH 200 PEN BITUMEN ON 45MM THICK 25MM DENSE BASE COURSE TO BS4987 CLAUSE 6.5 WITH 200 PEN BITUMEN ON MIN 150MM THICK MOT TYPE 1 GRANULAR SUB BASE. PATHS ADJACENT TO THE BUILDING ARE TO BE LAID TO FALL AWAY FROM THE BUILDING AT A FALL OF 1 IN 25 MAX.

ROOF CONSTRUCTION

TO ACHIEVE MIN. 0.18W/M2K U-VALUE AND COMPRISE IXO ULTRA PREVENT CAP SHEET OVER IKO UNDERLAY AS REQUIRED OVER IKO TYPE 3G VENTING LAYER OVER NEW CUT TO FALL KINGSPAN TT44 INSULATION OR SIMILAR APPROVED (TO BE DESIGN BY SPECIALIST SUPPLIER TO MEET SPECIFIED U-VALUE). INSTALL IKO VAPOUR CONTROL LAYER WITH CONTINUOUS ALUMINIUM CORE LAMINATE BELOW OVER 18MM WBP PLY DECKING ON 350X100 TJI ROOF JOISTS INSTALLED ON 140X75MM S.W TANALISED TIMBER WALL PLATES / BAT O.P.H. WHOLE ROOF SYSTEM IS TO BE DESIGNED AND INSTALLED IN ACCORDANCE WITH RELEVANT SECTIONS OF THE CURRENT EDITION OF BS 8217, BS 6229, BS 8747 AND ARE TO BE COMPLETE WITH A 20 YEAR INSURANCE AND MANUFACTURER BACKED GUARANTEE AND INSTALLED IN ACCORDANCE WITH MANUFACTURERS STANDARD WRITTEN SPECIFICATION.

GROUND BEARING FLOOR SLAB

TO MEET MIN U VALUE REQUIRED OF 0.22 W/M^2K
SOLID GROUND FLOOR TO CONSIST OF 150MM CONSOLIDATED WELL-RAMMED HARDCORE. BLINDED WITH 50MM SAND BLINDING. PROVIDE A 1200MM GAUGE POLYTHENE DPM, DPM TO BE LAPPED IN WITH DPC IN WALLS. FLOOR TO BE INSULATED OVER DPM WITH 75MM KINGSPAN THERMAFLOOR TF70 FLOOR INSULATION BOARD AND PROVIDE 25MM INSULATION TO CONTINUE AROUND FLOOR PERIMETERS TO AVOID THERMAL BRIDGING. A 1000 GAUGE VCL SHOULD BE LAID OVER THE INSULATION BOARDS AND TURNED UP 100MM AT ROOM PERIMETERS BEHIND THE SKIRTING, ALL JOINTS TO BE LAPPED 150MM AND SEALED, PROVIDE 150MM ST2 OR GEN2 GROUND BEARING SLAB CONCRETE MIX TO CONFORM TO BS 8500-2 OVER VCL. FINISH WITH 50MM SAND/CEMENT FINISHING SCREED WITH LIGHT MESH REINFORCEMENT WHERE DRAIN RUNS PASS UNDER NEW FLOOR, PROVIDE A142 MESH 1.0M WIDE WITHIN BOTTOM OF SLAB MIN 50MM CONCRETE COVER OVER LENGTH OF DRAIN.

FLOOR FINISHES

REMOVE EXISTING FLOOR FINISH AND CART AWAY. SUPPLY AND FIX FLOORING IN AREAS AS SHOWN HATCHED. SHEET VINYL FLOORING TO BE POLYFLOR POLYSAFE PUR VERONA IN COLOUR TBA WITH COVED SKIRTING.
CARPET OT BE DESSO SAND 500X500MM CARPET TILES. BARRIER MATTING TO BE BURMATEX GRIMEBUSTER

WALL FINISHES

TO BE TRADITIONAL 2 COAT WET PLASTER AND DECORATED WITH 1NO. UNDERCOAT AND 2 NO COATS JOHNSTONES ENDURA MATT EMULSION ON COLOUR TBC

M+E

INCLUDE FOR EXTENSION OF EXISTING CENTRAL HEATING SYSTEM TO SERVE RADIATORS IN NEW LIBRARY, DISABLED WC AND RECEPTION WC. NEW SMOKE DETECTORS ARE TO BE LINKED INTO SCHOOL'S EXISTING ALRAM SYSTEM.

Rev ID	Date	Comment

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Client.
ST FILUMENAS RC SCHOOL, CAVERSWALL

Project.
PROPOSED INTERNAL ALTERATIONS AND EXTENSION

Scale: 1:50, 1:5
Issue Date: 09/11/2015
Sheet Size: A0
Drawn:

Title.
GA Plan

Drawing Number: 3004-13-05
Revison ID:

CAD file path:
X:\1 A CAPPER'S TEAM\1 RC SCHOOL\CAVERSWALL - ST FILUMENAS RCS\3004-13 ICT RESOURCES ROOM\ST FILUMENA'S - tender.pln

Contractors are to check all dimensions on site and refer any discrepancies to the Architects immediately. Do not scale from this drawing.