

PPIC SCHEDULE				
PPIC REF	COVER LEVEL	INVERT LEVEL	DIAMETER	COVER TYPE
PPIC F1.1	49.890	49.540	475	B125
PPIC F1.2	49.890	49.290	475	B125
PPIC F1.3	49.890	49.215	475	B125
PPIC F1.4	49.890	49.010	475	B125
PPIC F1.5	49.890	48.960	475	B125
PPIC F2.1	49.850	49.170	475	B125
PPIC F2.2	49.850	48.970	475	B125
PPIC F3.0	52.400	51.900	475	B125
PPIC F3.1	52.740	51.400	475	B125
PPIC F3.2	52.590	51.175	475	B125
PPIC S1.1	52.650	51.675	475	B125
PPIC S2.1	49.890	49.385	475	B125
PPIC S2.2	49.890	49.220	475	B125
PPIC S3.1	49.890	49.300	475	B125

MANHOLE SCHEDULE						
MH REF	COVER LEVEL	INVERT LEVEL	MH TYPE	DIAMETER	COVER TYPE	COMMENTS
MH F1.1	52.650	50.900	TYPE B	1050	B125	600 x 600 SINGLE COVER
MH F1.2	49.890	48.890	TYPE B	1050	D400	600 x 600 SINGLE COVER
MH F1.3	49.840	48.840	TYPE B	1050	B125	600 x 600 SINGLE COVER
MH F2.1	49.840	48.840	TYPE B	1050	B125	600 x 600 SINGLE COVER
MH S1.1	52.650	50.900	TYPE B	1050	B125	600 x 600 SINGLE COVER
MH S1.2	50.350	49.200	TYPE B	900	B125	600 x 600 SINGLE COVER
MH S1.3	49.850	48.600	TYPE B	1500	B125	1200 x 675 DOUBLE COVER
MH S1.4	50.000	48.560	HIBRAKE MH	1500	B125	1200 x 675 DOUBLE COVER
MH S2.1	50.800	49.585	TYPE B	900	D400	600 x 600 SINGLE COVER
MH S2.2	50.050	49.000	TYPE B	1500	B125	1200 x 675 DOUBLE COVER

* MANHOLES TO BE BUILT IN BRICK WHERE MH DEPTH DICTATES - CONTRACTOR TO CONFIRM *

ALL EXISTING DRAINAGE WHICH WILL BE MADE REDUNDANT AS PART OF THIS PROJECT TO BE GRUBBED UP OR ABANDONED IN ACCORDANCE WITH CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY (CESWI)

FINALISED SITE LEVELS TBC BY ARCHITECT. COVER LVLS / ACO LOCATIONS TO BE FINALISED ONCE FINAL LEVELS RECEIVED.

SPECIFICATION (SIZE / No. OUTLETS ETC) FOR PROPOSED DRAINAGE CHANNELS TO BE PROVIDED BY MANUFACTURER.

2 No. YARD GULLIES ALONG RETAINING WALL TO EASTERN ELEVATION, SITUATED AT LOW SPOTS TO BE DETERMINED ON SITE.

EXISTING MH 17 TO BE REPLACED WITH NEW 900 DIA PCC MH F2.1 WITH INVERT LEVEL AMENDED TO 48.825m AOD

PROPOSED SURFACE WATER ATTENUATION TANK / BBOX BY HEWITECH, WITH ACCESS CHANNEL FOR MAINTENANCE, DESIGNED TO PROVIDE 93 m³ STORAGE TO CONTAIN WITHOUT FLOODING THE 100 YR STORM PLUS 30% ALLOWANCE FOR CLIMATE CHANGE.

RELAY EXISTING FOUL DRAIN AT A GRADIENT OF 1 IN 150

EX FMH CL 49.930 (IL 48.690 (TBC ON SITE))

INVERT LEVEL OF EXISTING FOUL MANHOLE TO BE CONFIRMED ON SITE, AND WML INFORMED, PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION WORKS.

CONSTRUCT NEW 1350 DIA HIBRAKE MANHOLE (MH S1.4) ON EXISTING 300 DIA SURFACE WATER COVER LEVEL 50.000 APPROX (IL 48.500 (Bc) HIBRAKE - 70 L/S

EXISTING 60 DIA SW HYDRANT

NON-RETURN VALVE (NRV)

CLASS 1 BYPASS OIL SEPARATOR, SPIEL OR SIMILAR, WITH SILT TRAP & HIGH LEVEL ALARM

MANHOLES:

ALL PROPOSED NEW MANHOLES TO BE PRECAST RING MANHOLES TYPE B UNLESS NOTED OTHERWISE. INTERNAL DIAMETERS OF MANHOLES TO BE 1050 DIA WHERE DEPTH TO PIPE SOFFIT IS LESS THAN 1.5m, AND 1200 DIA ELSEWHERE UNLESS NOTED OTHERWISE. IC - DENOTES POLYPROPYLENE INSPECTION CHAMBER BY HEWORTH OR SIMILAR APPROVED INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.

MANHOLE COVERS:

CARRIAGEWAYS GENERAL - EN124 CLASS D400
CARRIAGEWAYS WITHIN 0.5m OF KERB - EN124 CLASS C250
SLOW MOVING HOV (B8) - EN 124 CLASS B125 SLOW MOVING GLV (D0) - EN 124 CLASS B125 SLOW MOVING PRIVATE CARS - EN124 CLASS B125.

INTERNAL - JONES OF OSWESTRY - SUPRASTEEL DOUBLE SEALED WITH NEOPRENE GASKET AND COVER GREASE OR SIMILAR APPROVED.

REFER TO ARCHITECTS DRAWINGS FOR DETAILS OF ANY MANHOLE COVERS WHICH REQUIRE INSET PANELS.

DRAINAGE LEGEND

- INDICATES PROPOSED FOUL DRAIN & MH / PPIC
- INDICATES PROPOSED SURFACE WATER DRAIN & MH / PPIC
- INDICATES EXISTING COMBINED DRAIN & MH / PPIC TO BE RETAINED
- INDICATES RAINWATER PIPE & GULLY
- INDICATES FOUL GULLY
- INDICATES FOUL POP-UP IN GF SLAB

GENERAL NOTES

DO NOT SCALE FROM THIS DRAWING WORK TO FIGURED DIMENSIONS ONLY.

NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS ALLOWED WITHOUT PRIOR PERMISSION IN WRITING.

ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL ARCHITECTS, ENGINEERS AND SPECIALISTS DRAWINGS AND THE SPECIFICATION.

THE CONTRACTOR SHALL INCORPORATE ALL THE REQUIREMENTS OF THE PRE-TENDER STAGE HEALTH AND SAFETY PLAN.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH WML DRAINAGE DETAIL DRAWINGS D7??

FOR DETAILS OF MATERIALS AND WORKMANSHIP REFER TO THE SPECIFICATION.

THE CONTRACTOR IS RESPONSIBLE FOR CHECKING INVERT LEVELS AND POSITIONS OF ALL EXISTING DRAINS, SEWERS, INSPECTION CHAMBERS AND MANHOLES SHOWN ON THIS DRAWING IMMEDIATELY ON SITE ESTABLISHMENT. ANY DISCREPANCIES MUST BE REPORTED TO WML CONSULTING IMMEDIATELY.

WHERE THE NEW SITE DRAINAGE CONNECTS IN TO EXISTING MANHOLES IN CARRIAGEWAYS AND/OR EXISTING ADOPTED SEWERS, THE CONTRACTOR IS RESPONSIBLE FOR ALL LIAISON WITH THE RELEVANT STATUTORY UNDERTAKER AND LOCAL AUTHORITY WITH REGARD TO ROAD CLOSURES, TRAFFIC MANAGEMENT, PERMITS TO WORK, SUBMISSION OF CONTRACTORS METHOD STATEMENTS AND RISK ASSESSMENTS AND OTHER DOCUMENTATION AND CORRESPONDENCE ASSOCIATED WITH THE SITE STAGE (PART 2) ELEMENT OF THE WORKS.

ROCKER PIPES TO BE PROVIDED AT ALL CONCRETE CASED INTERFACES.

PROVIDE ADEQUATE PROTECTION TO MAINTAIN MINIMUM COVER TO DRAINS DURING THE CONSTRUCTION PERIOD.

COVER LEVELS ON THIS DRAWING ARE APPROXIMATE AND INDICATIVE ONLY ARCHITECT TO CONFIRM COVER LEVELS TO ALL MANHOLES AND GULLIES PRIOR TO CONSTRUCTION.

THE LAYOUT OF DRAINAGE ON THIS DRAWING IS INDICATIVE ONLY ARCHITECT TO CONFIRM EXACT LOCATION OF MANHOLES AND GULLIES.

U.N.O. ALL DRAINAGE GOODS & FITTINGS TO BE:-

100 DIA - 225 DIA TO BE SUPERSLEVE VITRIFIED CLAY PIPES OR SIMILAR.

300 DIA & ABOVE TO BE CONCRETE BY STANTON BONNA OR SIMILAR.

ALL COVERS AND RODDING ACCESS POINTS TO BE SEALED AND SCREWED TIGHT.

ALL INTERNAL MANHOLE COVERS TO BE DOUBLE SEALED, LOCKABLE AND RECESSED TO ACCEPT FLOOR FINISHES WHERE APPLICABLE.

SETTING OUT OF ALL INTERNAL GULLY/PLUMBING CONNECTIONS TO BE CO-ORDINATED BETWEEN THE SERVICE ENGINEERS AND THE ARCHITECT.

ALL INTERNAL GULLIES, PLUMBING CONNECTIONS, SOIL STACKS, SVPS AND ALL OTHER CONNECTIONS OF FOUL AND SURFACE WATER DRAINS TO BELOW GROUND TO BE FITTED WITH ACCESSIBLE RODDING POINTS ABOVE SLAB LEVEL.

ALL SURFACE WATER PIPE CONNECTIONS TO BE 150mm DIAMETER AT MINIMUM FALLS OF 1:100 UNLESS NOTED OTHERWISE.

ALL FOUL CONNECTIONS TO BE 100mm DIAMETER AT MINIMUM FALLS OF 1:40 UNLESS NOTED OTHERWISE.

ALL CONNECTIONS TO BE MADE IN ACCORDANCE WITH STANDARD DETAIL DRAWINGS.

ALL PIPEWORK TO BE INSTALLED WITH SOFFITS LEVEL (E.G. AT CHANGES IN PIPE SIZE) U.N.O.

FOR DETAILS OF GREASE TRAP/MACERATOR REQUIREMENTS ASSOCIATED WITH KITCHENS REFER TO SERVICE ENGINEER.

ON COMPLETION OF DRAINAGE WORKS, THE NEW DRAINAGE SYSTEM IS TO BE THOROUGHLY CLEANED AND A CCTV SURVEY CARRIED OUT TO CONFIRM NO CONSTRUCTION DEBRIS OR BLOCKAGES REMAIN.

CONNECTIONS TO CARRIER DRAINS ARE TO BE "Y" JUNCTIONS.

ALL PRIVATE DRAINAGE IS TO COMPLY WITH BS EN 752 AND BUILDING REGS. PART 4.

PIPE GRADIENTS ARE INDICATIVE MINIMUMS.

SURFACE CHANNEL DRAINS TO BA ACO MULTIDRAIN OR SIMILAR.

SUBJECT TO APPROVAL FROM WESSEX WATER

C4	ACO ADDED TO SUIT UPDATED SITE LEVELS.	07-05-16	SM	AL
C3	UPDATED WITH LATEST SITE PLAN.	10-02-16	SM	AL
C2	GULLY FOR PLANT ROOM / BIN STORE ADDED, LAYOUT AMENDED TO AVOID SUB STN, RWP / SVPS UPDATED. NOTES ADDED.	20-10-15	SM	AL
C1	DRAINAGE LAYOUT REVIEWED TO SUIT LATEST INFORMATION, ISSUED FOR CONSTRUCTION.	17-09-15	SM	AL
P2	SVPS UPDATED, EXTERNAL LEVELS TBC.	15-06-15	SM	AL
P1	PRELIMINARY ISSUE.	19-02-15	SM	AL

Rev.	Amendment	Date	By	Chkd
------	-----------	------	----	------

Project
SALISBURY 6TH FORM COLLEGE

Client
BLUE SKY DESIGN SERVICES

Title
PROPOSED DRAINAGE LAYOUT

Drawn	Checked	Date	Scale
SM	AL	FEB 2015	1 IN 200 @A0

WML CONSULTING
Civil, Structural & Geotechnical Engineers
No 8 Oak Green
East Road
Surrey Green Business Park
Chislehurst, Kent
Chislehurst, Kent
Tel: 0181 402 0000
Fax: 0181 402 0000
e-mail: info@wmlconsulting.com
www.wmlconsulting.com

Job No. 6424 Drawing No. E01 C4