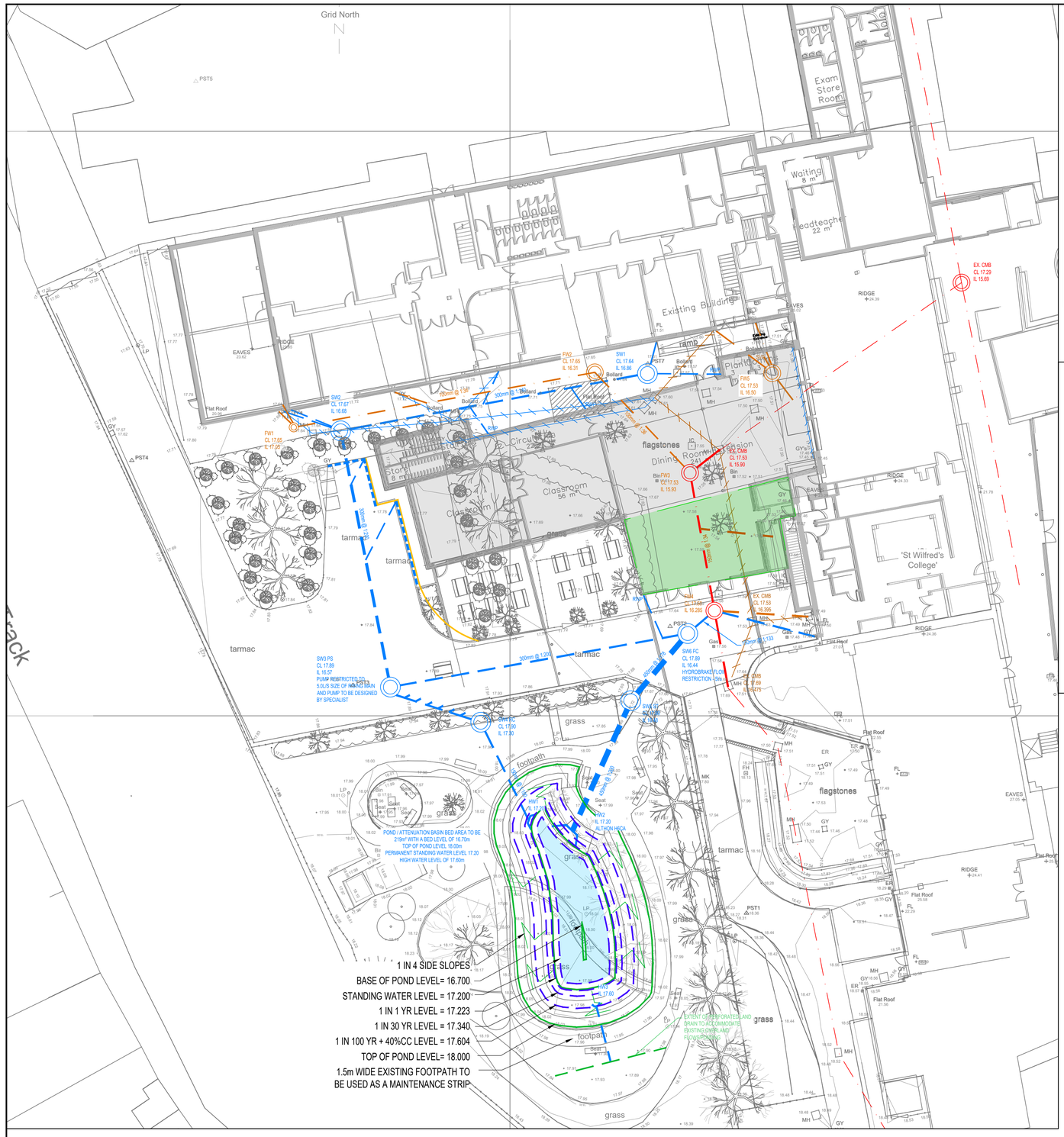


MANHOLE SCHEDULE								
MH REF.	COVER LEVEL (M)	INVERT LEVEL (M)	DIAMETER (MM)	TYPE	COVER TYPE	EASTINGS	NORTHINGS	NOTES
SW1	17.64	16.86	1200	E	C250	436611.764	564679.281	
SW2	17.65	16.68	1200	E	C250	436585.518	564674.379	
SW3 PS	17.89	16.57	1200	E	D400	436589.774	564652.459	OFFLINE PUMP
SW4 RC	17.90	17.30	1200	E	C250	436597.502	564649.452	RECEIVING CHAMBER
SW5 ST	17.90	16.48	1200	E	C250	436610.342	564651.293	SILT TRAP
SW6 FC	17.89	16.44	1500	E	D400	436615.208	564657.041	FLOW CONTROL
FW1	17.65	17.05	480	PPIC	C250	436581.504	564674.683	
FW2	17.65	16.31	1200	E	C250	436607.263	564679.384	
FW3	17.53	15.93	1200	E	INT. RECESS.	436615.407	564670.789	
FW4	17.58	16.29	1200	E	D400	436617.491	564658.995	
FW5	17.53	16.50	1200	E	INT. RECESS.	436622.439	564679.318	

KEY

- PROPOSED EXTENSION - 2 STOREY FOOTPRINT
- PROPOSED EXTENSION - SINGLE STOREY FOOTPRINT WITH GREEN ROOF
- PROPOSED SURFACE WATER DRAIN
- PROPOSED SURFACE WATER RISING MAIN
- PROPOSED COMBINED WATER DRAIN
- PROPOSED FOUL WATER DRAIN
- EXISTING SURFACE WATER DRAIN
- EXISTING FOUL WATER DRAIN
- EXISTING COMBINED WATER DRAIN
- SURFACE WATER DRAIN TO BE ABANDONED
- FOUL WATER DRAIN TO BE ABANDONED
- CHANNEL DRAIN
- NEW KERBLINE
- SURFACE WATER ATTENUATION BASIN - PERMENANT WATER LEVEL

DO NOT SCALE

GENERAL NOTES

1. DETAILS SHOWN ARE SUBJECT TO THE APPROVAL OF THE LEAD LOCAL FLOOD AUTHORITY IN RELATION TO THE SURFACE WATER DRAINAGE STRATEGY WITH RESPECT TO DISCHARGE RATES AND SuDS INCLUSION.
2. EXISTING BELOW GROUND UTILITIES MUST BE IDENTIFIED THROUGH THE USE OF ACCURATE GPR SURVEY TECHNIQUES PRIOR TO WORK ON THE DRAINAGE COMMENCING.
3. FOUL POP UP LOCATIONS, PIPE POSITIONING AND VENTING REQUIREMENTS BY ABOVE GROUND DRAINAGE DESIGNER.

DRAINAGE INSTALLATION NOTES

1. CLASS Z BEDDING DETAIL SHALL BE PROVIDED WHERE COVER TO THE PIPE BARREL IS LESS THAN 1.2m IN VEHICULAR TRAFFICKED AREAS AND 0.9m ELSEWHERE. WHERE CLASS Z TRENCH BEDDING DETAIL IS USED, THE CONCRETE BED AND SURROUND SHALL BE DISCONTINUED AT EACH PIPE JOINT OVER THE FULL CROSS SECTION BY MEANS OF A SHAPED COMPRESSIBLE FILLER.(SEE TABLE.)
2. SELECTED BACKFILL MATERIAL SHALL CONSIST OF UNIFORM MATERIAL FREE FROM STONES LARGER THAN 40mm, CLAY LUMPS LARGER THAN 75mm, TREE ROOTS, ORGANIC MATTER AND FROZEN SOIL. SELECTED BACKFILL MATERIAL SHALL BE PLACED IN LAYERS NOT EXCEEDING 225mm, EACH LAYER COMPACTED TO FORM A STABLE TRENCH BACKFILL.
3. GENERAL BACKFILL MATERIAL TO BE FREE FROM STONES LARGER THAN 40mm. GENERAL BACKFILL MATERIAL IS TO BE PLACED IN LAYERS NOT EXCEEDING 150mm THICKNESS AND EACH LAYER COMPACTED BY HAND.
4. NO MECHANICAL COMPACTION OF FILL MATERIAL SHALL BE PERMITTED WITHIN 300mm ABOVE THE CROWN/BARREL OF THE PIPE.
5. INSITU AND PRECAST CONCRETE TO BE TO GEN3 (C20). USE SLUMP CLASS S1 TO PROVIDE IMMEDIATE SUPPORT AND S3 IN OTHER SITUATIONS. CONCRETE IN CONTACT WITH THE GROUND TO WITHSTAND EXPOSURE CONDITIONS NOTED IN PHASE 2 GROUND INVESTIGATION REPORT.
6. ROCKER PIPES TO BE INSTALLED BEFORE AND AFTER DRAINAGE PASSES UNDER AND THROUGH FOUNDATIONS
7. DURING THE CONSTRUCTION PROCESS PROTECTION SHALL BE GIVEN TO ALL GULLIES AND CHAMBERS FROM THE INGRESS OF DEBRIS.
8. A VISUAL SURVEY SHALL BE CARRIED OUT ON ALL NEW DRAINAGE VIA CCTV BY A QUALIFIED AND APPROVED CONTRACTOR, AND IN ACCORDANCE WITH THE 'WSA/FWR MODEL CONTRACT DOCUMENT FOR SEWER CONDITION INSPECTION'.
9. PVC-U PIPES TO BS 4660 OR BS 5481 TO BE USED FOR ALL 100mm DIA DRAINS. THERMOPLASTIC STRUCTURED WALL PIPES COMPLYING WITH WIS 4-35-01 TO BE USED FOR ALL DRAINS LARGER THAN 100mm DIA.
10. 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 GROUND LEVEL.
11. ALL BELOW GROUND DRAINAGE WORKMANSHIP IS TO BE CARRIED OUT IN STRICT ACCORDANCE WITH BS 8000 'WORKMANSHIP OF BUILDING SITES, PART 14:CODE OF PRACTICE FOR BELOW GROUND DRAINAGE'

LOCATION, COVER AND INVERT LEVELS OF EXISTING DRAINAGE TO BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT

PROTECTION OF EXISTING SERVICES MAY BE REQUIRED IN LINE WITH THE RELEVANT STATUTORY AUTHORITIES REQUIREMENTS

Rev	Date	By	Description	Chk	App
T02	12.01.2021	SB	POND UPDATED FOLLOWING DISCUSSION	DH	DH
T01	24.12.2020	SB	TENDER ISSUE	SB	SB
P01	02.10.2020	KR	PRELIMINARY ISSUE	DH	DH

Drawing Status: TENDER

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Client: ST. WILFRID'S RC COLLEGE

Architect: SPACE

Project: ST. WILFRID'S COLLEGE
DINING & CLASSROOM EXTENSION

Title: BELOW GROUND DRAINAGE LAYOUT

Scale @ A1	Checked	Approved
1:200	DH	DH

Project No.	Designed	Drawn	Date
JK-6110	KR	KR	OCTOBER 2020

Drawing No.: C0001
Rev.: T02

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