

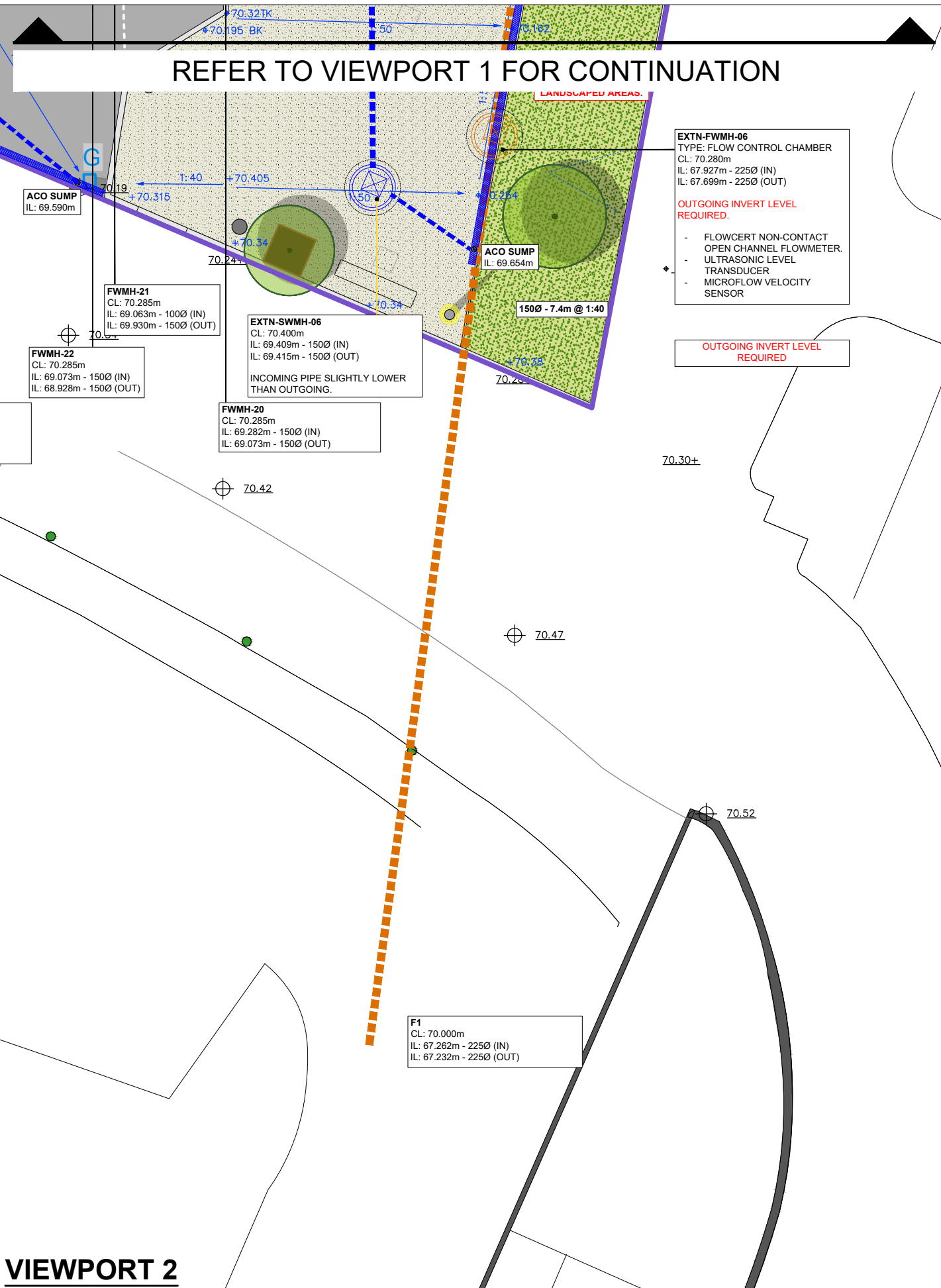
Building Perimeter Surface Water Manhole Schedule						
Reference No.	Manhole Size (mm)	Material	Cover	Size (mm)	Load Grade	Note
FWMH-01	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-02	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-03	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-04	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-05	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-06	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-07	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-08	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-09	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-10	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-11	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-12	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-13	1200x1000	CONCRETE (CAST IN SITU)	Recessed	750x750	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-14	1200x1000	CONCRETE (CAST IN SITU)	Recessed	750x750	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-15	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-16	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-17	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-18	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-19	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-20	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-21	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-22	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-23	1200x1000	CONCRETE (CAST IN SITU)	Recessed	750x750	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-24	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-25	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-26	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-27	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-28	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-29	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-30	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-31	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-32	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-33	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-34	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-35	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover

Building Perimeter Surface Water Manhole Schedule						
Reference No.	Manhole Size (mm)	Material	Cover	Size (mm)	Load Grade	Note
SWMH-01	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-02	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-03	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-04	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-05	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-06	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-07	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-08	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-09	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-10	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-11	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-12	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-13	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-14	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover

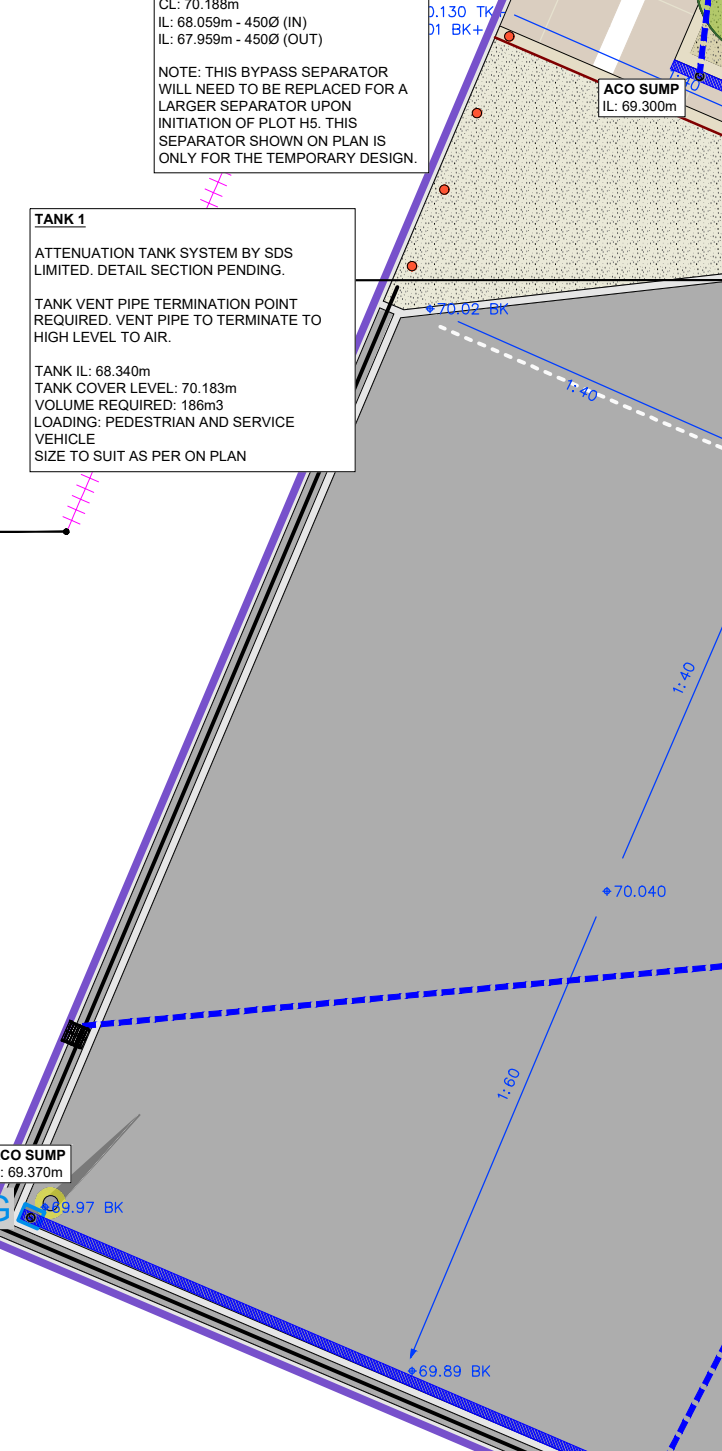
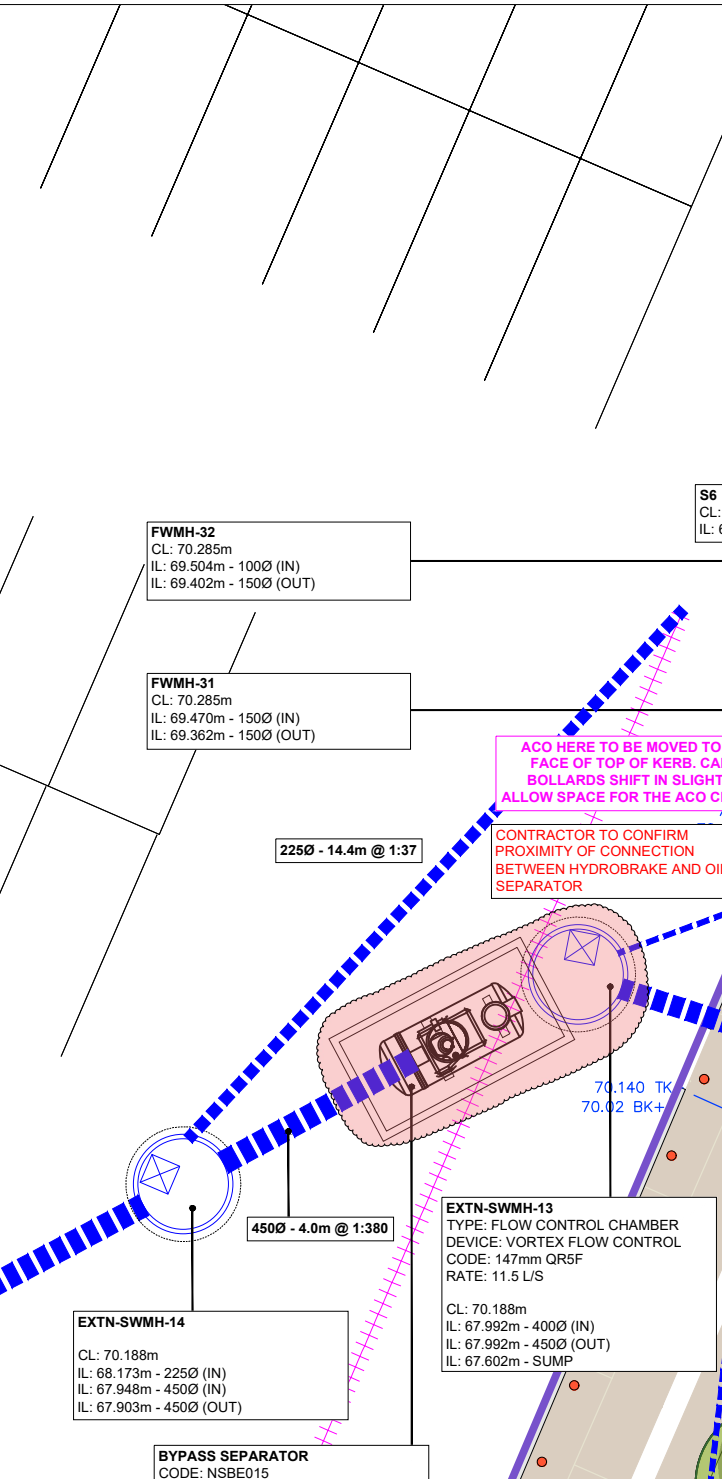
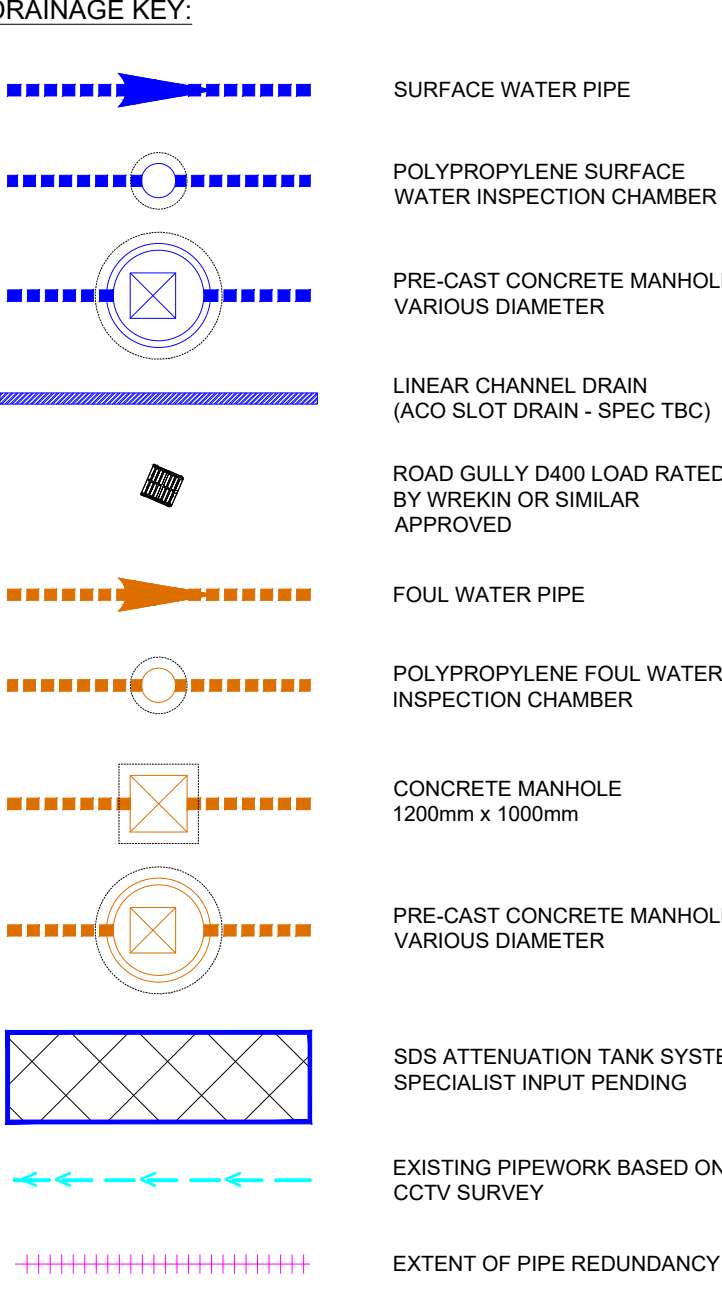
Site Wide Foul Water Manhole Schedule						
Reference No.	Manhole Size (mm)	Material	Cover	Size (mm)	Load Grade	Note
EXTN-FWMH-01	12000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
EXTN-FWMH-02	12000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
EXTN-FWMH-03	4500	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
EXTN-FWMH-04	6000	PPIC	Recessed	600x600	C250	Recessed Access Cover - Double Sealed and Bolted Cover
EXTN-FWMH-05	12000	PRE-CAST CONCRETE	Recessed	600x600	C250	Recessed Access Cover - Double Sealed and Bolted Cover
EXTN-FWMH-06	12000	PRE-CAST CONCRETE	Recessed	600x600	C250	Recessed Access Cover - Double Sealed and Bolted Cover
13						EXISTING CHAMBER (REMEDATION WORKS WHERE REQUIRED AND MAKE GOOD NEW CONNECTIONS MADE)

Site Wide Surface Water Manhole Schedule						
Reference No.	Manhole Size (mm)	Material	Cover	Size (mm)	Load Grade	Note
EXTN-SWMH-01	12000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
EXTN-SWMH-02	12000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
EXTN-SWMH-03	12000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
EXTN-SWMH-04	12000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
EXTN-SWMH-05	12000	PRE-CAST CONCRETE	Recessed	600x600	D400	Recessed Access Cover - Double Sealed and Bolted Cover
EXTN-SWMH-06	12000	PRE-CAST CONCRETE	Recessed	600x600	D400	Recessed Access Cover - Double Sealed and Bolted Cover
EXTN-SWMH-07	18000	PRE-CAST CONCRETE	Recessed	600x600	D400	Recessed Access Cover - Double Sealed and Bolted Cover
EXTN-SWMH-08	18000	PRE-CAST CONCRETE	Recessed	600x600	D400	Recessed Access Cover - Double Sealed and Bolted Cover
EXTN-SWMH-09	12000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
EXTN-SWMH-10	12000	PRE-CAST CONCRETE	Recessed	600x600	D400	Recessed Access Cover - Double Sealed and Bolted Cover
EXTN-SWMH-11	3000	PPIC	Recessed	600x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
EXTN-SWMH-12	18000	PRE-CAST CONCRETE	Recessed	600x600	D400	Recessed Access Cover - Double Sealed and Bolted Cover
EXTN-SWMH-13	18000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
EXTN-SWMH-14	51					EXISTING CHAMBER (REMEDATION WORKS WHERE REQUIRED AND MAKE GOOD NEW CONNECTIONS MADE)
51						EXISTING CHAMBER (REMEDATION WORKS WHERE REQUIRED AND MAKE GOOD NEW CONNECTIONS MADE)

Bypass Separator						
Reference No.	Manhole Size	Material	Cover	Size	Load Grade	Note
RSBP-15	6300	PRE-FABRICATED UNIT	Ductile Iron Cover	750x750	D400	Heavy Duty Cover



- DESIGN NOTES / CONDITIONS:**
- THIS IS A DRAFT AS-BUILT DRAWING BASED ON INFORMATION PROVIDED BY THE MYC GROUP (UK) LIMITED ON 24.06.24. DISCREPANCIES EXIST ON THE INVENT LEVEL CAD PLAN PROVIDED AND NOTES HAVE BEEN PRESENTED ON THIS DRAWING FOR THE ATTENTION OF MYC. THESE ARE RECOMMENDED TO BE ADDRESSED AS SOON AS POSSIBLE.
 - COVER LEVELS ARE TAKEN FROM LANDSCAPE DRAWINGS BY PLANT 1 I.E. LIMITED DATED 29.06.22 REVISION 02-005.
 - ANY PRODUCTS, DEVICES OR MATERIALS USED WHICH ARE OTHER THAN THOSE RECOMMENDED BY SPILLWAYS LIMITED ARE ASSUMED TO BE DESIGNED BY A SPECIALIST AND SPILLWAYS LIMITED OFFER NO DESIGN WARRANTY ON THE PERFORMANCE OR ADEQUACY OF THAT ITEM.
 - A HYDRAULIC MODEL OF THE NEW INSTALLATION ALONG WITH THE USE OF A NEW DIFFERENT FLOW CONTROL CHAMBER TO THAT ORIGINALLY SPECIFIED IS ASSUMED TO BE DESIGNED BY OTHERS.
 - A POST COMPLETION CCTV SURVEY IS TO BE CARRIED OUT OF THE ENTIRE DRAINAGE SYSTEM AND INSTALLATION. THIS IS TO BE REFINED BY PARTIES WITH AN ACTIVE INTEREST IN THE DEVELOPMENT FOR FUTURE RECORDS.
 - THE DEPTH OF PERIMETER CHAMBERS ARE SUBJECT TO CHANGE FOLLOWING APPROVAL COMMENTS. THE CONTRACTOR IS REMINDED THAT THE INCOMING PIPES (IN) ARE NOT SUBJECT TO CHANGE.
 - ANY REQUIREMENTS FOR GULLIES OR CHANNEL DRAINS TO BE CONFIRMED BY THE ARCHITECT/LANDSCAPE ARCHITECT. ANY GULLY AND ACO CHANNELS SHOULD BE POSITIONED SUCH TO CAPTURE THE EXTERNAL LAND FALLS AND GRADIENTS. SIZE OF CHANNELS AND GULLIES TO SPILLWAYS LIMITED DESIGN.
 - ALL GULLIES AND CHANNELS TO BE TRAPPED UNITS. SPECIFICATION FOR ALL INTERNAL GULLIES REQUIRED.
 - LEFTS TO BE DRAINED USING SUBMERSIBLE PUMPS WITH TEMPORARY RISING MAINS DISCHARGING INTO AN EXTERNAL FLOW WATER GULLY CONFIRMED BY FORM SD ON 31/01/2022. THIS WILL REQUIRE REGULAR MAINTENANCE AND INSPECTION THROUGHOUT THE LIFE OF THE DEVELOPMENT. THE FREQUENCY OF MAINTENANCE AND INSPECTION TO BE CONFIRMED BY OTHERS. THE DRAINAGE OF LEFT IS OUTSIDE OF THE BELOW GROUND DRAINAGE DESIGN UNLESS TOLD OTHERWISE.
 - ANY CAVITY DRAIN REQUIREMENTS TO BE CONFIRMED BY OTHERS.
 - REFER TO MY CONSTRUCTION MISE DRAWINGS FOR STOCK TYPES, GULLIES AND PENETRATION POINTS.
 - NO GREASE TRAPS TO BE BELOW GROUND LEVEL. ALL GREASE TRAPS TO BE ABOVE GROUND AND MAINTAINED BY OTHERS.
 - CO-ORDINATION COMMENTS ARE REQUIRED FOR UTILITY SERVICES AND DRAINAGE. CLASHES TO BE REPORTED TO SPILLWAYS.
 - COMBINED SURFACE WATER TANK VOLUME = 306m³. SDS LIMITED TO PROVIDE DETAIL SECTIONS OF TANKS READY FOR ORDERS TO BE PLACED.
 - THE CONTRACTOR MUST BE MINDFUL THAT PIPES HAVE BEEN LAID TO VERY FLAT GRADIENTS WITH VERY MINIMAL TOLERANCES AND THEREFORE SPECIAL SURVEYING INSTRUMENTS SHOULD BE USED TO ENSURE PIPES ARE LAID TO THE CORRECT GRADIENT AND LEVELS AS PER THIS DRAWING.
 - ANY TREES MUST INCORPORATE ROOT BARRIERS TO PREVENT DAMAGE TO BELOW GROUND DRAINAGE. THIS IS TO LANDSCAPE ARCHITECT SPECIFICATION AND DETAIL.
 - LANDSCAPE ARCHITECT TO CONFIRM MANHOLE COVER ORIENTATION.
 - THIS DRAWING HAS BEEN UPDATED TO INCLUDE AS-BUILT STACK LOCATION WITHIN THE BUILDING ONLY. THE CONTRACTOR IS REQUIRED TO MAKE THE NECESSARY ADJUSTMENTS TO SUIT EXTERNAL MANHOLES. AS-BUILT INFORMATION PROVIDED BY MY CONSTRUCTION VIA EMAIL ON 12.08.22.



NOTES

ALL DRAINAGE SHALL COMPLY WITH THE TYPICAL DRAINAGE CONSTRUCTION DETAILS AND THE REQUIREMENTS OF BS EN 752 AND BS EN 124 AND KITEMARKED OR IF RECESSED COVERS ARE SPECIFIED THEN IN ACCORDANCE WITH FACTA ASSOCIATION EQUIVALENT.

THE PROPOSED BUILDING OUTLINES SHOWN ON THIS DRAWING ARE FOR INFORMATION ONLY. REFER TO ARCHITECTS PLANS FOR PRECISE LOCATION SETTING OUT INFORMATION AND DETAILS.

ALL DRAINAGE PIPEWORK SHOWN SHALL BE 100mm DIAMETER UNLESS NOTED OTHERWISE.

ALL UNDERSLAB DRAINAGE SHALL BE LAID AT GRADIENTS OF 1:40 MIN FOR FOUL, PREPARED, AND 1:80 MIN. FOR SURFACE WATER UNLESS NOTED OTHERWISE.

ALL UNDERSLAB DRAINAGE SHALL BE CLEAR OF FOUNDATIONS UNLESS SHOWN OTHERWISE. WITH LONG RADIUS BENDS KEPT TO A MINIMUM AND USED WHERE UNAVOIDABLE.

AT LEAST ONE SOIL PIPE AT THE HEAD OF EACH FLOW RUN SHALL BE VENTED TO THE ATMOSPHERE.

ALL GUTTERS SHALL BE FITTED WITH A LEAF FILTER AT EACH OUTLET TO REDUCE THE RISK OF BLOCKAGE.

ALL RAINWATER DOWNPIPES SHALL BE ACCESSIBLE ABOVE GROUND FOR READING PURPOSES.

ANY PART OF THE EXISTING DRAINAGE SYSTEM TO BE RETAINED AS PART OF THE NEW SCHEME SHALL BE CLEANED AND INSPECTED BY CCTV SURVEY. ANY STRUCTURAL DEFECTS SHALL BE REPAIRED OR REPLACED AS MAY BE REQUIRED USING APPROPRIATE AND APPROVED METHODS.

WHERE EXISTING ACCESS LOCATIONS ARE TO BE RETAINED THE COVER AND FRAMES SHALL BE CHECKED TO ENSURE THEY ARE OF A SUITABLE DUTY FOR REUSE AND LEVELS ADJUSTED TO SUIT PROPOSED FINISHED GROUND LEVELS.

ALL INTERNAL AND EXTERNAL ACCESS COVERS SHALL BE RECESSED. DOUBLE SEALED AND LOCKABLE SUBJECT TO ARCHITECTS SPECIFICATION.

COVER LEVELS SHOWN ON THIS DRAWING ARE APPROXIMATE AND SHALL BE ADJUSTED TO SUIT FINISHED PAVEMENT LEVELS ON SITE BY CONTRACTOR. COVERS SHALL BE ORIENTED TO SUIT PAVEMENT FINISHES WHERE APPROPRIATE.

ALL PRIVATE DRAINAGE PIPEWORK FOR FOUL AND SURFACE WATER SYSTEMS HAVE BEEN DESIGNED ON THE BASIS OF IRON.

ALL EXTERNAL (OUTSIDE OF BUILDING PERIMETER) DRAINAGE PIPEWORK FOR FOUL AND SURFACE WATER SYSTEMS HAVE BEEN DESIGNED ON THE BASIS OF CLAYWARE TO COMPLY WITH SEWERAGE SECTOR GUIDANCE APPROVED VERSION 1.0 INCLUDING APPENDIX C 'THE CODE' APPROVED VERSION 1.0.

CONCRETE ENCASEMENT OF THE PIPEWORK SHALL BE REQUIRED WHERE THE VERTICAL CLEARANCE BETWEEN TWO PIPES CROSSING IS LESS THAN 300MM.

ALL EXISTING DRAINAGE SHALL BE ASSUMED TO BE 'LIVE' AND SHALL BE MAINTAINED AT ALL TIMES DURING THE WORKS. EXISTING DRAINAGE SHALL BE RECONNECTED TO THE NEW DRAINAGE SYSTEM UNLESS PROVEN TO BE REDUNDANT FOR ABANDONMENT. ALL EXISTING DRAINAGE SHALL BE ABANDONED SHALL BE SEALED BY APPROPRIATE MEANS.

ALL DRAINAGE CONNECTING TO THE PUBLIC SEWER NETWORK SHALL NOT COMMENCE UNTIL RECEIPT OF THE APPROVAL FROM THE DRAINAGE AUTHORITY AND SHALL COMPLY WITH REQUIREMENTS USING VITRIFIED CLAY PIPEWORK TO BS EN 206 WITH PLAIN BUNDED OR SOCKETED FLEXIBLE JOINTS SUBJECT TO THEIR APPROVAL.

WHERE DRAINAGE WORKS ARE CARRIED OUT IN THE PUBLIC HIGHWAY THE RELEVANT NECESSARY APPROVALS AND ROAD CLOSING NOTICES SHALL BE OBTAINED FROM THE HIGHWAY AUTHORITY AND UTILITY COMPANIES.

UPON COMPLETION ALL NEW DRAINAGE INSTALLATION TOGETHER WITH ANY EXISTING DRAINAGE TO BE RE-TESTED AND CCTV SURVEYED UPON COMPLETION CONTRACTOR TO ENSURE THAT THE DRAINAGE SYSTEM IS FULLY OPERATIONAL. FREE OF EXCESS DEBRISIT AND ALL IDENTIFIED FAULTS RECTIFIED.

AN AIR TIGHTNESS TEST MUST BE PERFORMED FOR THE PIPEWORK THAT SITS WITHIN THE BUILDING TO ENSURE NO LEAKS ARE PRESENT. THE CONTRACTOR IS EXPECTED TO PROVIDE ADDITIONAL WATER TIGHTNESS MEASURES TO PIPEWORK BELOW GROUND.

HEALTH & SAFETY: FUTURE WORKS SHALL BE CARRIED OUT BY SPECIALIST COMPETENT AND EXPERIENCED CONTRACTORS. ALL OPERATIVES SHALL HAVE RECEIVED FULL AND APPROPRIATE TRAINING WITH APPROPRIATE QUALIFICATIONS FOR THE OPERATIONS THEY ARE REQUIRED TO UNDERTAKE. ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE RELEVANT HEALTH & SAFETY REGULATIONS.

UTILITIES CO-ORDINATION AND CHECKING IS REQUIRED TO BE UNDERTAKEN BY A SPECIALIST FASE ENGINEER. THE CONTRACTOR AND DESIGN TEAM IS REMAINED NOT TO USE THIS DRAWING FOR CONSTRUCTION PURPOSES UNTIL FULL CO-ORDINATION AND VERIFICATION OF ALL UTILITIES INFORMATION SHOWN ON THIS PLAN AND SECTIONS IS UNDERTAKEN. SPILLWAYS TO ARE NOT BE RESPONSIBLE FOR UNDERTAKING UTILITIES DESIGN NOR HAVE THE CAPACITY TO UNDERTAKE SUCH DESIGN FOR THE MAPPING OF EXISTING OR PROPOSED UTILITIES. NOT ALL UTILITY INFORMATION HAS BEEN SUPPLIED IN CAD FORMAT AND THEREFORE IT HAS BEEN TRANSCRIBED THE BEST POSSIBLE. THE UTILITY INFORMATION PRESENTED ON THIS PLAN OR SECTION IS NOT ACCURATE.

ISSUED FOR INFORMATION

Rev	Description	Date	By
C19	ISSUED FOR APPROVAL	04.07.24	SK

Job Title: PLOT H3 ACCOR TRIBE HOTEL

Client: FORM SD

1513-SPW-20-00-DR-C-6000
BELOW GROUND DRAINAGE

Drawn: SK Date: 06.01.22 Scale: 1:150 @ A1 Checked: SK CAD Filename: C-6000

Job No: 1513 Drawing No: C-6000 Revision: C19

SPILLWAYS LIMITED 2014