

Reference No.	Manhole Size (mm)	Material	Cover Type	Size (mm)	Load Grade	Note
FWMH-01	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-02	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-03	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-04	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-05	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-06	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-07	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-08	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-09	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-10	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-11	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-12	4500	PPIC	Recessed	450x450	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	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-16	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-17	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-18	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-19	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-20	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-21	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-22	4500	PPIC	Recessed	450x450	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	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-25	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-26	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-27	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-28	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-29	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-30	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-31	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-32	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-33	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-34	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
FWMH-35	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover

Reference No.	Manhole Size (mm)	Material	Cover Type	Size (mm)	Load Grade	Note
SWMH-01	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-02	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-03	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-04	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-05	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-06	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-07	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-08	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-09	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-10	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-11	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-12	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-13	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-14	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover
SWMH-15	4500	PPIC	Recessed	450x450	C250	Recessed Access Cover - Double Sealed and Bolted Cover

Reference No.	Manhole Size (mm)	Material	Cover Type	Size (mm)	Load Grade	Note
EXTRA-FWMH-01	12000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
EXTRA-FWMH-02	12000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
EXTRA-FWMH-03	6000	PPIC	Recessed	600x600	C250	Recessed Access Cover - Double Sealed and Bolted Cover
EXTRA-FWMH-04	6000	PPIC	Recessed	600x600	C250	Recessed Access Cover - Double Sealed and Bolted Cover
EXTRA-FWMH-05	12000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
EXTRA-FWMH-06	12000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
F1	EXISTING CHAMBER (REMEDIATION WORKS WHERE REQUIRED AND MAKE GOOD NEW CONNECTIONS MADE)					

Reference No.	Manhole Size (mm)	Material	Cover Type	Size (mm)	Load Grade	Note
EXTRA-SWMH-01	12000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
EXTRA-SWMH-02	12000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
EXTRA-SWMH-03	12000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
EXTRA-SWMH-04	12000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
EXTRA-SWMH-05	12000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
EXTRA-SWMH-06	12000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Recessed Access Cover - Double Sealed and Bolted Cover
EXTRA-SWMH-07	12000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Recessed Access Cover - Double Sealed and Bolted Cover
EXTRA-SWMH-08	12000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Recessed Access Cover - Double Sealed and Bolted Cover
EXTRA-SWMH-09	12000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
EXTRA-SWMH-10	12000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Recessed Access Cover - Double Sealed and Bolted Cover
EXTRA-SWMH-11	18000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Recessed Access Cover - Double Sealed and Bolted Cover
EXTRA-SWMH-12	18000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Recessed Access Cover - Double Sealed and Bolted Cover
EXTRA-SWMH-13	18000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
EXTRA-SWMH-14	18000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
EXTRA-SWMH-15	18000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
EXTRA-SWMH-16	18000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
EXTRA-SWMH-17	18000	PRE-CAST CONCRETE	Ductile Iron Cover	600x600	D400	Heavy Duty Cover
CHAMBER DETAILS PENDING	CHAMBER DETAILS PENDING					
EXISTING CHAMBER (REMEDIATION WORKS WHERE REQUIRED AND MAKE GOOD NEW CONNECTIONS MADE)	EXISTING CHAMBER (REMEDIATION WORKS WHERE REQUIRED AND MAKE GOOD NEW CONNECTIONS MADE)					

Reference No.	Manhole Size (mm)	Material	Cover Type	Size (mm)	Load Grade	Note
NSP-15	N/A	PRE-FABRICATED UNIT	CHAMBER DETAILS PENDING			

Reference No.	Manhole Size (mm)	Material	Cover Type	Size (mm)	Load Grade	Note
NSP-15	N/A	PRE-FABRICATED UNIT	CHAMBER DETAILS PENDING			

Reference No.	Manhole Size (mm)	Material	Cover Type	Size (mm)	Load Grade	Note
NSP-15	N/A	PRE-FABRICATED UNIT	CHAMBER DETAILS PENDING			

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NSP-15	N/A	PRE-FABRICATED UNIT	CHAMBER DETAILS PENDING			

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Reference No.	Manhole Size (mm)	Material	Cover Type	Size (mm)	Load Grade	Note
NSP-15	N/A	PRE-FABRICATED UNIT	CHAMBER DETAILS PENDING			

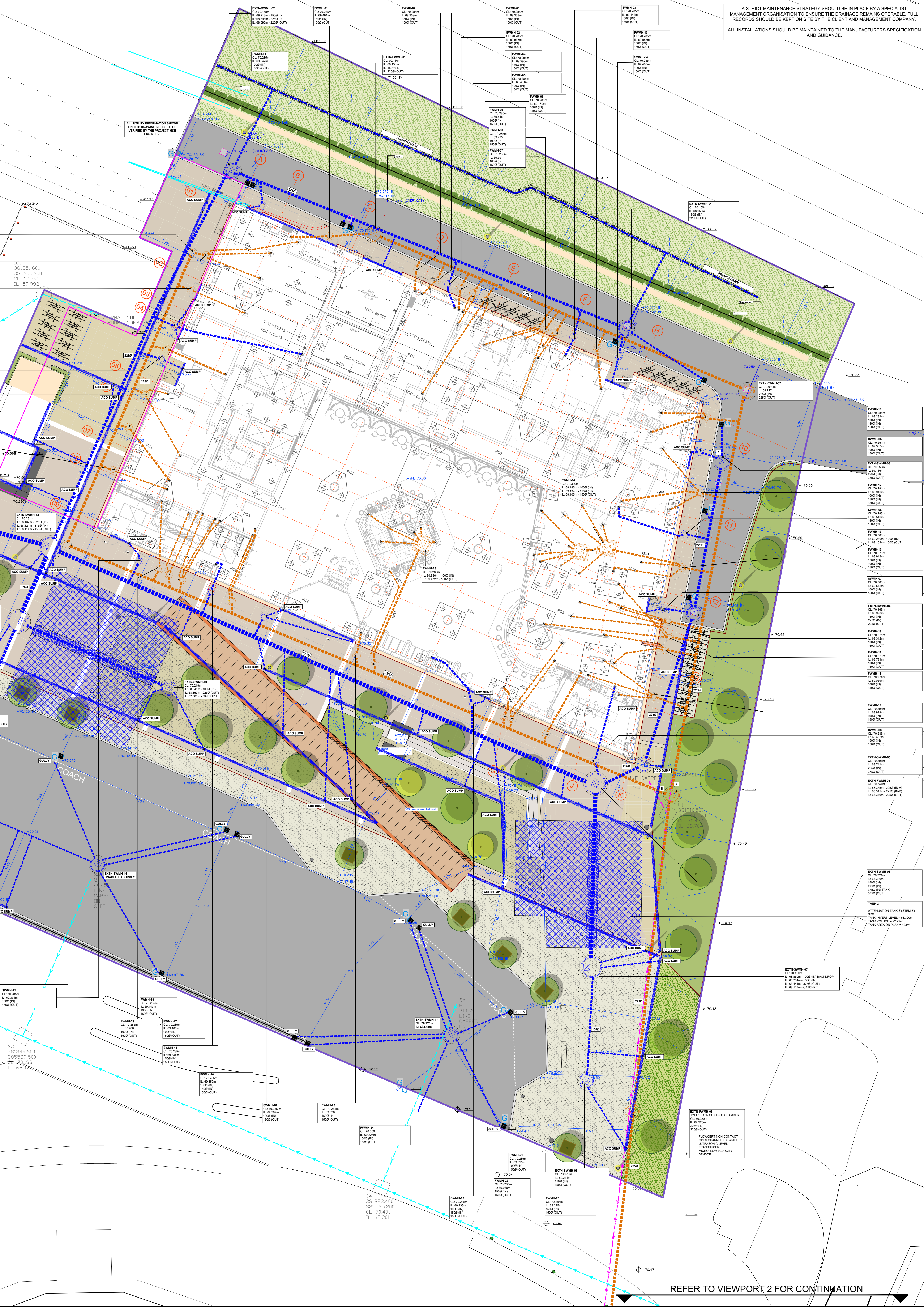
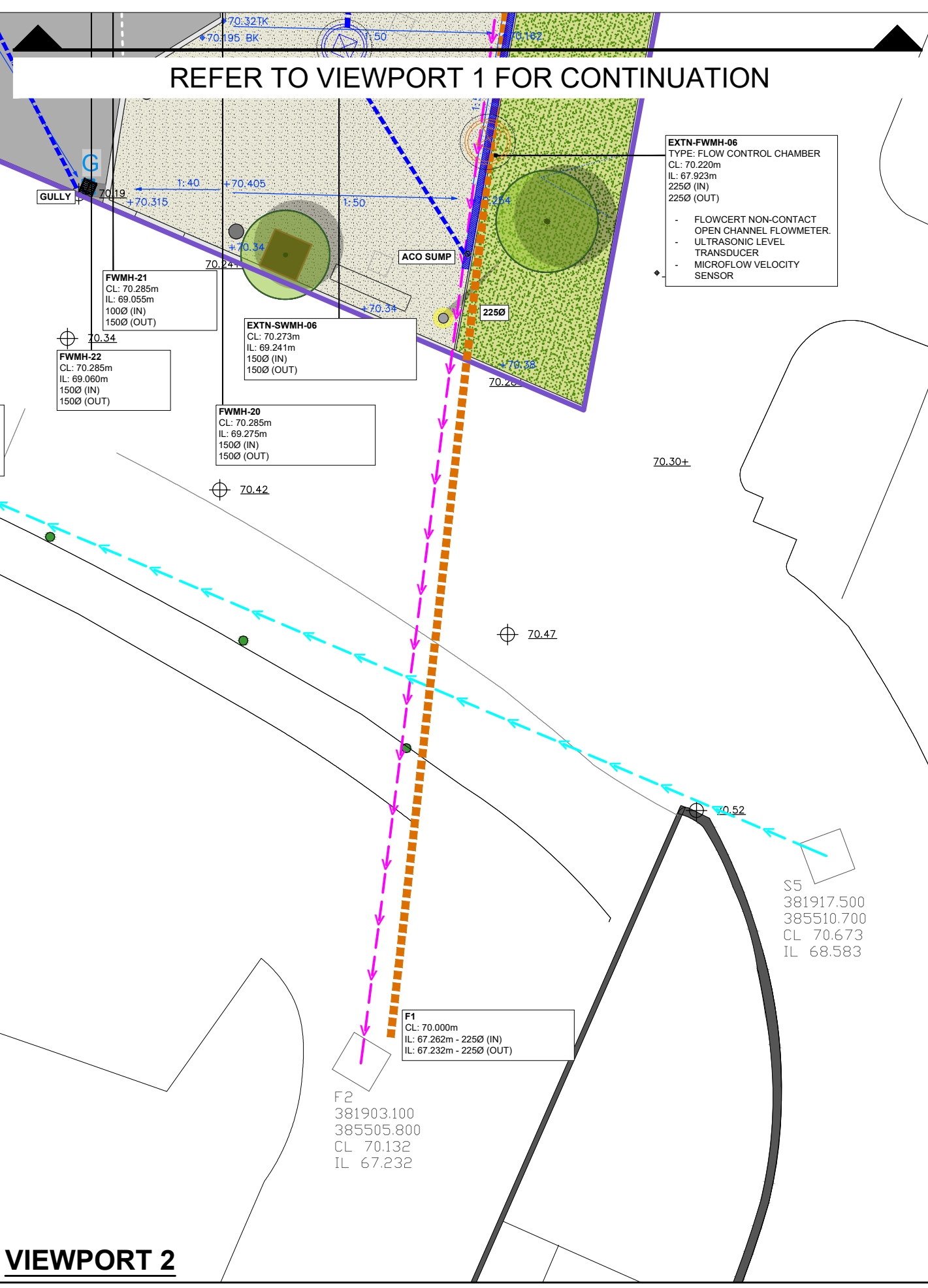
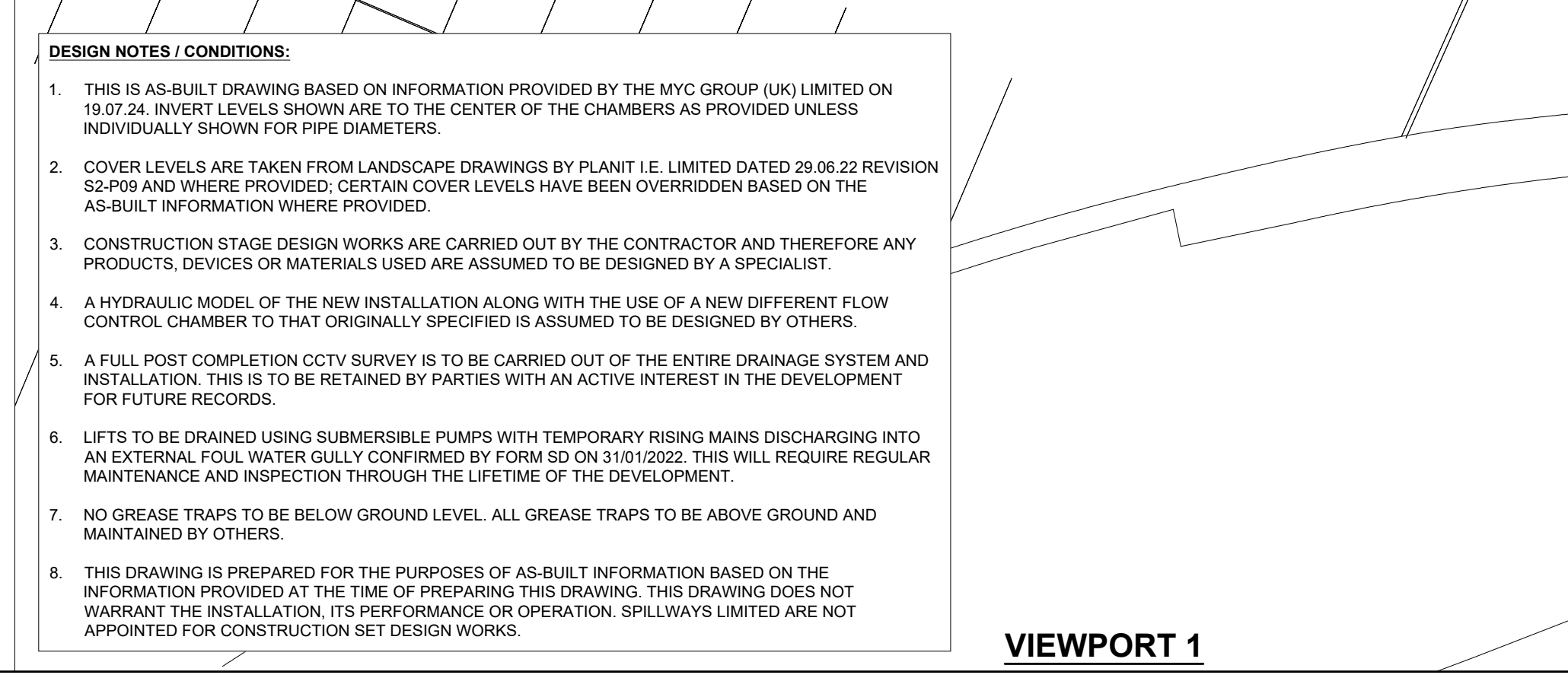
Reference No.	Manhole Size (mm)	Material	Cover Type	Size (mm)	Load Grade	Note
NSP-15	N/A	PRE-FABRICATED UNIT	CHAMBER DETAILS PENDING			

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Reference No.	Manhole Size (mm)	Material	Cover Type	Size (mm)	Load Grade	Note
NSP-15	N/A	PRE-FABRICATED UNIT	CHAMBER DETAILS PENDING			



NOTES

ALL DRAINAGE SHALL COMPLY WITH THE TYPICAL DRAINAGE CONSTRUCTION DETAILS AND THE REQUIREMENTS OF BS EN 752

ACCESS COVERS AND FRAMES SHALL COMPLY WITH THE LOADINGS SPECIFIED AND TO 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 MM FOR FOUL PIPEWORK AND 1:80 MM FOR SURFACE WATER UNLESS NOTED OTHERWISE

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

AT LEAST ONE SOIL PIPE AT THE HEAD OF EACH FOUL 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 REDDING 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 CAST IRON

ALL EXTERNAL (OUTSIDE OF BUILDING PERIMETER) DRAINAGE PIPEWORK FOR FOUL AND SURFACE WATER SHALL BE DESIGNED TO BE BASED ON CLAYWARE TO COMPLY WITH SEWERAGE SECTOR GUIDANCE APPROVED VERSION 1.0 INCLUDING APPENDIX C THE CODE APPROVED VERSION 2.0

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 TO 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 VERIFIED CLAY PIPEWORK TO BS EN 206 WITH PLAN SLOPED OR SOCKETED FLEXIBLE JOINTS SUBJECT TO THEIR APPROVAL

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

UPON COMPLETION ALL NEW DRAINAGE INSTALLATION TOGETHER WITH ANY EXISTING DRAINAGE RETAINED SHALL BE SETTED AND CCTV SURVEYED UPON COMPLETION. CONTRACTOR TO ENSURE THAT THE DRAINAGE SYSTEM IS FULLY OPERATIONAL, FREE OF EXCESS DEBRIS 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: