

- GENERAL NOTES
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE BELOW GROUND DRAINAGE SPECIFICATION.
 - ALL DRAINAGE WORKS ARE TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF BS EN 752 AND APPROVED DOCUMENT BUILDING REGULATIONS.
 - DO NOT SCALE FROM THIS DRAWING WORK TO DIMENSIONS OR COORDINATES PROVIDED. ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
 - NO DEVIATION FROM THE CONTENT OF THIS DRAWING IS ALLOWED WITHOUT PERMISSION OF WSP.
 - ADDITIONAL PROTECTION IS TO BE PROVIDED TO MAINTAIN INTEGRITY OF THE EXISTING SERVICES AND PROPOSED WORKS DURING CONSTRUCTION.
 - COVER LEVELS ARE BASED ON ARCHITECTURAL F.F.'S.
 - REFER TO THE MANHOLE SCHEDULE FOR DETAILS OF ACCESS COVERS/INSPECTION CHAMBERS, BACKDROPS & RAMPDROPS.
 - ALL FIREWORK IS TO BE LAID SOFFIT TO SOFFIT UNLESS NOTED OTHERWISE.
 - THE CONTRACTOR MUST INSTALL THE DRAIN RUNS TO THE INVERTS INDICATED ON THE DRAWINGS. NO DEVIATION IS PERMITTED WITHOUT AUTHORIZATION FROM WSP BUILDINGS.
 - THE CONTRACTOR SHALL ALLOW FOR 2m x 135° BENDS FOR EACH BRANCH CONNECTION PRIOR TO CONNECTING TO MANHOLES, WHERE LEVELS EXCEED 1M AN EXTERNAL BACKDROP SHOULD BE ALLOWED.
 - ALL MANHOLE COVERS WITHIN BASEMENT AREAS TO BE DOUBLE SEAL TYPE.
 - BELOW SLAB DRAINAGE INSTALLATION TO BE SANTI COBAN CAST IRON TIMESAVER SYSTEM AS SPECIFICATION.
 - SETTING OUT TO BE PROVIDED BY ARCHITECT/MEP CONSULTANT PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES ANY WORK CARRIED OUT ON SITE BY THE CONTRACTOR SHALL BE DONE AT THEIR OWN RISK.
 - REFER TO DRAWING 0542-WSP-XX-DT-PH-001 AND 0542-WSP-XX-DT-PH-003 FOR DRAINAGE DETAILS.
 - REFER TO DRAWING 0542-WSP-XX-DT-PH-004 FOR MANHOLE INFORMATION.

- DESIGN NOTES (SURFACE WATER)
- IN LINE WITH THE WSP DRAINAGE STRATEGY REPORT THE DISCHARGE WILL BE RESTRICTED TO 5.0 L/S AND THE REQUIRED ATTENUATION TANK WILL BE APPROXIMATELY 235m³. THIS WILL BE BASED ON VERIFYING EXISTING CONNECTIONS FROM THE SITE.
 - ALL ACCESS COVERS WILL BE FULLY SEALED TO ALLOW FOR THE SURCHARGE OF THE STORMWATER ATTENUATION TANK.
 - ALL PODIUM LEVEL CAR PARK AREAS ARE CALCULATED USING 75mm/HR RAINFALL INTENSITY.
 - ALL LANDSCAPE AREAS ARE CALCULATED USING 183mm/HR RAINFALL INTENSITY.
 - ALL CAR PARK DRAINS TO BE ROUTED THROUGH OIL SEPARATOR.

- DESIGN NOTES (FOUL WATER)
- BASED ON CALCULATED PEAK FOUL WATER DISCHARGE FIGURES OF 30 L/S (PEAK DOMESTIC) & 12 L/S (SWIMMING POOL BACKWASH) THE FOUL WATER OUTFALL PIPE WILL NEED TO BE 225mm BASED ON PEAK DOMESTIC DISCHARGING DURING NORMAL PEAK HOURS AND SWIMMING POOL BACKWASH DISCHARGING DURING OFF-PEAK HOURS THEN IT IS PROPOSED TO DISCHARGE TO CHAMBER 0101 INTO THE EXISTING 225mm SEWER. IF UNITED UTILITIES DO NOT ACCEPT THIS POINT OF DISCHARGE THEN A NEW CHAMBER/CONNECTION MAY NEED TO BE CONSTRUCTED ONTO THE 1500mm SEWER IN STORE STREET.
 - FOULWATER WILL BE CONSTRUCTED COMPLETE WITH A FLAP VALVE TO PROTECT THE BUILDING FROM THE EFFECTS OF SEWER SURCHARGE. THE FLAP VALVE TO BE MANUFACTURED BY ALTHON TIDEXFLAP CHECKMATE IN-LINE VALVE.

- SEWER/CULVERT NOTES
- THE EXISTING SEWER & CULVERT INFORMATION INDICATED ON THIS DRAWING HAS BEEN TAKEN FROM UNITED UTILITIES SEWER RECORDS.
 - WHERE INVERT LEVELS ARE NOT AVAILABLE ON THE UNITED UTILITIES SEWER RECORDS THE LANES FOR DRAINAGE SURVEY HAS BEEN USED.
 - PRIOR TO MAKING ANY NEW CONNECTIONS ONTO THE PUBLIC SEWER NETWORK THE CONTRACTOR SHALL VALIDATE THE INVERT LEVEL AT POINT OF CONNECTION AND WHERE THIS DIFFERS FROM THAT INDICATED THEY SHALL INFORM THE CONSULTANT IMMEDIATELY SO THAT THE IMPACT CAN BE ASSESSED.

POOL DRAINAGE AMENDED TO, SETTING OUT DII ADDED TO MANHOLES AND DRAIN POINTS MOVE SUIT ARCHITECTS DRAWING 05393_B1_02_2921 DRAINAGE PROFILE ADJUSTED TO SUIT ARCHITECTS

NO.	DATE	BY	DESCRIPTION	CHK	APP
001	07.11.18	AS	STAGE 5 CONSTRUCTION ISSUE WITH AMENDMENTS	MT	MT
002	19.06.18	AS	STAGE 5 CONSTRUCTION ISSUE	MT	MT
003	19.06.18	AS	SCHEDULE UPDATED TO SUIT RPI: 0006/0003	MT	MT
004	20.08.18	AS	SCHEDULE UPDATED TO SUIT RPI: 0006/0003	MT	MT
005	20.07.18	AS	UPDATED DRAINAGE	MT	MT
006	18.07.18	AS	UPDATED DRAINAGE	MT	MT
007	13.07.18	AS	UPDATED DRAINAGE	MT	MT
008	08.07.18	MT	UPDATED DRAINAGE	MT	MT
009	08.07.18	MT	UPDATED DRAINAGE	MT	MT
010	15.06.18	MT	UPDATED DRAINAGE	MT	MT
011	11/06/18	AS	UPDATED SW DRAINAGE	MT	MT
012	07/06/18	MT	STAGE 5 ISSUE	MT	MT
013	07/06/17	CT	STAGE 4 ISSUE	CH	CH
014	22/07/14	CT	FOR INFORMATION ONLY	CH	CH

REV	DATE	BY	DESCRIPTION	CHK	APP
001	07.11.18	AS	STAGE 5 CONSTRUCTION ISSUE WITH AMENDMENTS	MT	MT

DRAWING STATUS: STAGE 5

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CLIENT: RUSSELL CONSTRUCTION

ARCHITECT: SPLUS ARCHITECTS

PROJECT: STORE STREET MANCHESTER

TITLE: PUBLIC HEALTH SERVICES BELOW GROUND DRAINAGE BASEMENT LEVEL

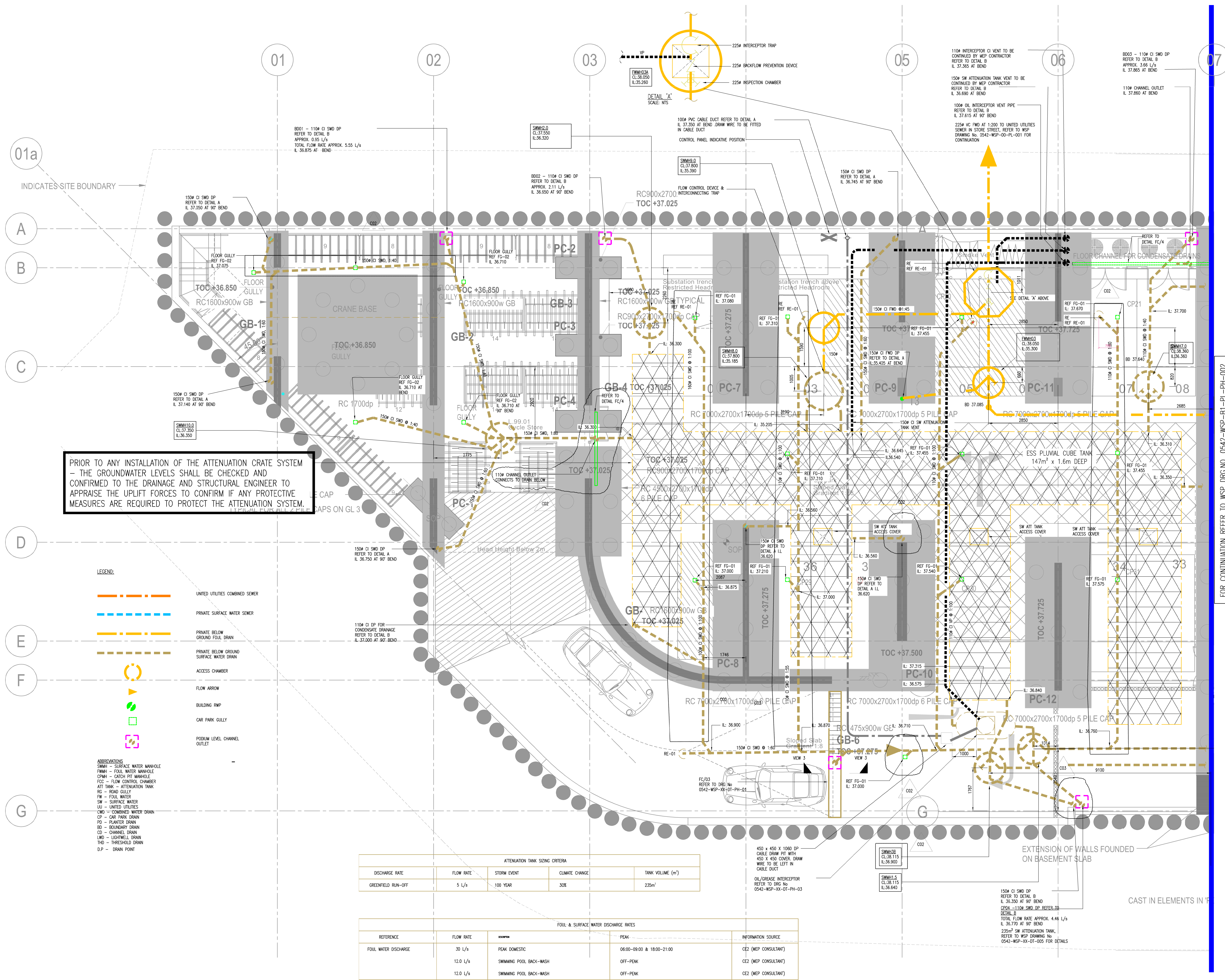
SCALE: AS 1:100

CHECKED: CT DATE: APR17

PROJECT NO: 7010542

DRAWING NO: 0542-WSP-B1-PL-PH-001

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FOR CONTINUATION REFER TO WSP DRG NO. 0542-WSP-B1-PL-PH-002