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NOTES:
All workmanship is to be in accordance with the latest amendment of the relevant section of BS 8000, to the extent that recommendations define quality of finished work.

All materials are to be installed and fixed in strict accordance with the Manufacturers instructions, with the requirements of the relevant British Board of Agreement Certificate, the relevant British Standard applicable to that material and the section of BS 8000 applicable to that trade

CONSTRUCTION [DESIGN AND MANAGEMENT] REGULATIONS 2015:
Carter Design has reviewed the design for this scheme and has concluded that none of the risks inherent in carrying out the work would be outside the knowledge of a competent Contractor.

For further information see Carter Design's Risk Assessments which cover Existing Hazards, Construction, In Use, Maintenance, Decommissioning and Demolition.

However we list below risks pertinent to this drawing of which the Contractor should be aware.

- NOTES:**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ARCHITECTS DRAWINGS, SPECIALISTS DRAWINGS AND SPECIFICATIONS, ETC. ANY DISCREPANCIES TO BE REPORTED.
 - REFER TO THE LATEST ARCHITECTURAL/M+E PLANS FOR UP TO DATE INTERNAL LAYOUTS AND SETTING OUT OF INTERNAL DRAINAGE 'POP-UP' LOCATIONS.
 - FOUL WATER DESIGN ASSUMES UNRESTRICTED DISCHARGE INTO FOUL WATER INFRASTRUCTURE.
 - THIS DRAWING HAS BEEN DEVELOPED USING:
 - CARTER DESIGN DRAWING NO 7585/C/3000 REV E, 8159.A.900 REV A AND 8159.A.1000 REV B
 - SURVEY SOLUTIONS DRAWING 10857EA-01B-02B-03B
 - ALL RAINWATER PIPES TO HAVE APPROPRIATE RODDING ACCESS PROVISIONS.
 - ALL DRAIN PIPES TO BE CONNECTED INTO MANHOLES TO MATCH ALL INCOMING PIPE SOFFITS, AND TO MATCH SOFFIT TO SOFFIT WHERE PIPE Ø IN IS SMALLER THAN PIPE Ø OUT. A NOMINAL FALL ACROSS MANHOLES
 - ALL DRAINAGE SYSTEMS TO BE IN ACCORDANCE WITH THIS DRAWING, ALONG WITH BS EN 752 AND THE BUILDING REGULATIONS.
 - ALL COVER LEVELS SHOWN ARE APPROXIMATE ONLY AND MUST SUIT PROPOSED FINISHED LEVELS.
 - WHERE FOUL WATER GRADIENTS ARE NOT PROVIDED MINIMUM GRADIENT OF SEWER TO BE 1 IN 80.

HAS BEEN INCLUDED WHERE APPROPRIATE, IN THE CALCULATION OF INVERT LEVELS.

KEY

	DENOTES PROPOSED RAIN WATER SEWER 110Ø U.N.O
	DENOTES PROPOSED SURFACE WATER SEWER 110Ø U.N.O
	DENOTES PROPOSED FOUL WATER SEWER 110Ø U.N.O
	DENOTES EXISTING SURFACE WATER SEWER
	DENOTES EXISTING CHANNEL DRAIN
	DENOTES ACO MD100 0.0 CHANNEL DRAIN WITH RODDING ACCESS PROVISION WITH HELIUM SLOTTED DUCTILE IRON COVER, TO DISCHARGE VIA SUMP OUTLET BOX.
	DENOTES SURFACE WATER GULLY
	DENOTES RAIN OR SURFACE WATER RODDING EYE
	DENOTES RAIN WATER PIPE WITH RODDING ACCESS PROVISION. REFER TO ARCHITECTS DRAWING FOR EXACT SETTING OUT.
	DENOTES SURFACE WATER PIPE WITH RODDING ACCESS PROVISION. REFER TO ARCHITECTS DRAWING FOR EXACT SETTING OUT.
	DENOTES PP INSPECTION CHAMBER WITH C250 RATED SOLID (OR RECESSED) COVER TO BE FIXED DOWN.
	DENOTES SOIL VENT PIPE WITH RODDING ACCESS PROVISION
	DENOTES STUB STACK WITH A.A.V AND RODDING ACCESS PROVISION

RESIDUAL RISK

REGULAR MAINTENANCE AND INSPECTION IS TO BE CARRIED OUT TO ALL ELEMENTS OF THE DRAINAGE SYSTEM, IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS AND MAINTENANCE SPRATEY APPROVED BY PLANNING AUTHORITY REF: 7687/12/AMM/MSCP.

NOTE FOR EXACT RWP SETTING OUT, REFER TO SCWS DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR SETTING OUT DIMENSIONS FOR ALL INCOMING & OUTGOING SERVICES. ANY DISCREPANCIES TO BE REPORTED.

- MINIMUM DIAMETER OF SEWERS WHERE NOT SPECIFIED:**
- SURFACE WATER - 150Ø (ROAD GULLY)
 - 110Ø (PRIVATE GULLY) (U.N.O.)
 - 110Ø (RWP) (U.N.O.)
 - 110Ø (SWP) (U.N.O.)
 - 110Ø (FWP) (U.N.O.)

NOTE WHERE PPIC DEPTH IS GREATER THAN 1.2M CHAMBER TO BE FITTED WITH RESTRICTED ACCESS PLATE 350MM X 350MM

NO	revisions	DATE	ISSUED BY

CARTER DESIGN

AS BUILT

project
NRP SOUTH MULTI STOREY CAR PARK

drawing title
BELOW GROUND DRAINAGE GENERAL ARRANGEMENT

scale: 1:250 @ A1
drawn by: LM
date: DECEMBER 2020
checked by: AM
date: DECEMBER 2020

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