SURFACE WATER DRAINAGE AREAS	
SURFACE WATER PIPEWORK	HECTARES
1.000	0.054
1.001	0.043
1.002	0.000
2.000	0.060
2.001	0.000
TOTAL	0.157

SOAKAWAY-1
6.2m x 6.2m x 1.6m DEEP
CL 29.850mAOD
IL 28.250mAOD
INFILTRATION RATE 4.36 x 10⁻⁴m/s

SOAKAWAY-2
4.0m x 4.0m x 2.42m DEEP
CL 30.200mAOD
IL 27.780mAOD
INFILTRATION RATE 4.23 x 10⁻⁴m/s

S-1.000
L: 2.272m, 225mm ∅, @ 1:45
USIL: 29.250mAOD
DSIL: 29.200mAOD

S-CP-1
DEPTH 0.600m
CL 29.850mAOD
IL 29.250mAOD

S-1.000
L: 42.613m, 225mm ∅, @ 1:46
USIL: 30.175mAOD
DSIL: 29.250mAOD

S-IC-1
DEPTH 0.825m
CL 31.000mAOD
IL 30.175mAOD

S-2.000
L: 2.765m, 150mm ∅, @ 1:55
USIL: 29.350mAOD
DSIL: 29.300mAOD

S-CP-2
DEPTH 0.850m
CL 30.200mAOD
IL 29.350mAOD

Solar fed Ticket Machine

New installed ducts

MH
31.11
SL29.34
Heavily silted
NVP

MH
30.96
IL27.86

MH
31.34
SL30.19
Heavily silted

MH
29.92
WL27.38
SL26.52
N/E

IC
31.80
IL27.67

IC
28.77
IL28.17

IC
29.84
IL28.77

Gy
31.27

Gy
31.05

Gy
32.11
N/E
Silted

Fh
T.o.V
0.50d

Post

Bench

Bin

Dog Waste

P/W Fence Ht 1.1m

I/R Fence Ht 1.2m

Heras Fence

Stone R/Wall

Worn Track

Long Grass/ Scrub

Small Trees

Gravel Track

Tarmac

Grass

Concrete

Rocks

Wooden Sleeper

Container

Store

Slab

Scrub

Excavations

Unknown

No signal

TFR & UPVC

NOTES:

1. THIS DRAWING IS BASED ON TOPOGRAPHICAL SURVEY INFORMATION RECEIVED.
2. ASSUMPTIONS MADE REGARDING EXISTING DRAINAGE IS BASED ON INFORMATION RECEIVED AND MUST BE CONFIRMED PRIOR TO WORKS COMMENCING ON-SITE. ANY DISCREPANCIES IN INFORMATION ASSUMED MUST BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION.

GENERAL NOTES:

1. JC CONSULTING DO NOT ACCEPT LIABILITY FOR INACCURACIES / ERRORS CAUSED BY OS INFORMATION OR TOPOGRAPHICAL SURVEY INFORMATION RECEIVED.
2. THIS DESIGN HAS BEEN CARRIED OUT TO APPROPRIATE STANDARDS BUT IT IS TO BE CHECKED IN ACCORDANCE WITH PROCUREMENTS AND REQUIREMENTS PRIOR TO THE COMMENCEMENT OF WORKS.
3. ALL LEVELS, DIMENSIONS AND DETAILS ARE TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OR FABRICATION.

HEALTH & SAFETY AND CDM:

(THE FOLLOWING ARE TO BE READ IN CONJUNCTION WITH CONTRACTORS RISK ASSESSMENTS)

1. A GROUND PENETRATING RADAR (GPR) SURVEY HAS BEEN CARRIED OUT FOR THE SITE. HOWEVER, THE CONTRACTOR IS TO UNDERTAKE ALL POSSIBLE PRECAUTIONS WHEN EXCAVATING. ALL EXISTING SERVICES INFORMATION TO BE OBTAINED PRIOR TO THE COMMENCEMENT OF WORKS AND IDENTIFIED ON SITE USING CAT SCANNERS. EXCAVATION TO BE UNDERTAKEN WITH DUE DILIGENCE AND HAND DIGGING TO BE ADOPTED WHERE APPROPRIATE.
2. CONTRACTOR TO MINIMISE THE AMOUNT OF TIME ANY EXCAVATIONS REMAIN EXPOSED AND COMPLY WITH LEGISLATIVE AND GOOD PRACTICE GUIDELINES.
3. PERSONNEL TO USE SUITABLE PPE AND USE ONLY LOW VIBRATION EQUIPMENT FOR ANY WORK REQUIRING COMPACTING OF MATERIALS AND CONCRETE. AMOUNT OF TIME OF USE TO BE LIMITED TO SAFE LEVELS IN ACCORDANCE WITH THE CONTRACTORS APPROVED METHOD STATEMENTS.
4. APPROPRIATE MANAGEMENT SAFETY PLAN TO BE IN PLACE FOR DEALING WITH POTENTIAL GROUND CONTAMINATION.
5. IN ORDER TO ENSURE THAT THE SIDE EXCAVATIONS REMAIN STABLE DURING EXCAVATION, THE CONTRACTOR IS TO ASSESS STABILITY AND PROVIDE TEMPORARY SHORING TO ENSURE A SAFE WORKING AREA.
6. CONTRACTOR SHOULD BE AWARE OF GENERAL CONSTRUCTION RISKS TO PREVENT SLIPS, TRIPS AND FALLS AND TAKE NECESSARY PRECAUTIONS WITHOUT SPECIAL INSTRUCTION.
7. UNFINISHED MANHOLES MUST BE COVERED WITH LOAD BEARING MATERIALS AND SURROUNDED WITH BARRIER.

LEGEND

- PROPOSED SURFACE WATER SEWER
- PROPOSED GULLY
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED SOAKAWAY
- PROPOSED CAR PARK

REV	DESCRIPTION	DRAWN	CKD	DATE
P1	INFORMATION ISSUE	AA	AS	08.02.24

DRAWING STATUS:

PRELIMINARY

DRAWING ISSUED FOR INFORMATION ONLY

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Geo-Environmental Engineering

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CLIENT: NATIONAL TRUST

PROJECT: SOUTER LIGHTHOUSE CAR PARK

DRAWING TITLE: PROPOSED ENGINEERING LAYOUT

SCALE:	DRAWN:	CKD:	DATE:
1:150	AA	AS	08.02.24

JOB NUMBER:	DRAWING NUMBER:	REV:	SIZE:
JCC24-001	C-DR-200	P1	A1