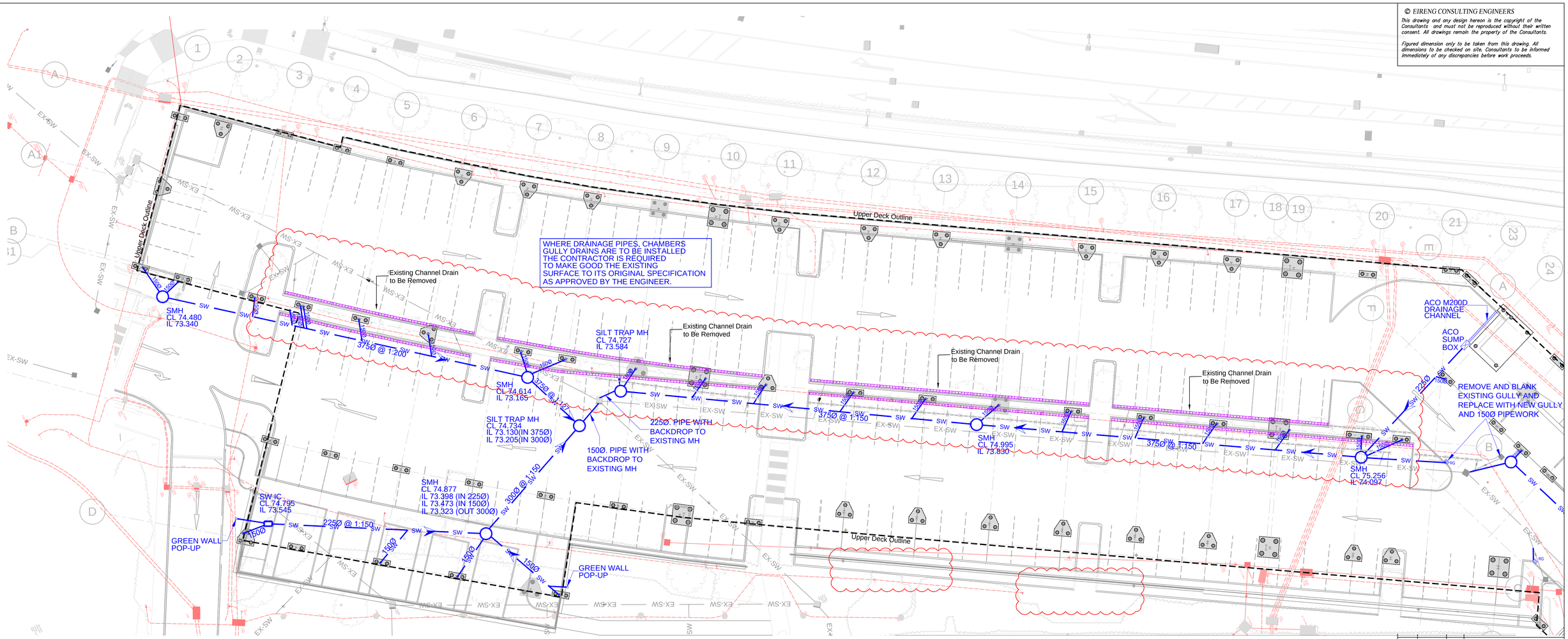

Proposed Drainage Layout - Zone 1

SCALE 1:200

WARNING:
The location of the existing services/utilities shown on drawings cannot be guaranteed. it is the responsibilty of the contractor to establish the exact position of the services/utilities on site using appropriate methodology and competent personnel.

NOTES: (SEWERS)

1/ ALL DIMENSIONS ARE IN (mm.) UNLESS OTHERWISE NOTED. CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING OUT JUNCTION BOXES, CHAMBERS, MANHOLES, GULLIES TO ENSURE NO CLASHES WITH SERVICE DUCTS AND PIPES.

2/ ALL LEVELS ARE IN METRES ABOVE DATUM UNLESS OTHERWISE NOTED.

3/ THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S, ENGINEER'S AND MANUFACTURERS' DRAWINGS AND SPECIFICATIONS.

4/ ALL PIPE DIAMETERS ARE NOMINAL.

5/ THE CONTRACTOR MUST CONTACT THE RELEVANT AUTHORITIES PRIOR TO CONSTRUCTION WORK, AND SATISFY HIMSELF IN RESPECT TO THE LOCATION OF ALL EXISTING SERVICES.

6/ALL STORMWATER PIPES TO BE POLYPIPE RIGIDRAIN OR SIMILAR APPROVED. ALL FOUL PIPE TO BE UPVC PIPES BY WAVIN OR SIMILAR APPROVED to WIS 4-35-01 and BS EN 13476.

7/ ALL ROAD GULLY DRAINS ARE 150mm.

8/ 600mm MAX. LENGTH ROCKER PIPES ARE TO BE PROVIDED ON SEWERS WHERE:
(A). A PIPE ENTERS A MANHOLE OR PUMPING STATION.
(B). A PIPE LEAVES A MANHOLE.
(C). A PIPE ENTERS CONCRETE ENCASEMENT.
(D). A PIPE LEAVES CONCRETE ENCASEMENT.
(E). ANY OTHER LOCATION AS DIRECTED BY THE ENGINEER.

9/ ALL SEWER ROCKER PIPES ARE TO BE FORMED BY CUTTING AND TRIMMING A LENGTH OF SPIGOT & SOCKET PIPE TO FORM A SPIGOT AT THE CUT END, THEREBY FORMING SPIGOT & SOCKET JOINTS AT BOTH ENDS OF THE ROCKER PIPE.

10/ ALL ROCKER PIPES SHALL BE NO MORE THAN 150mm FROM THEIR ASSOCIATED MANHOLE, PUMPIMG STATION, CONCRETE ENCASED SECTION OR VALVE CONNECTION.

11/ ALL PIPE RUNS BETWEEN ACCESS JUNCTIONS TO BE 150Ø, 1 IN 60 GRADIENT. U.N.O.

12/ WHERE SEWER PIPES, RISING MAINS OR ROAD GULLY DRAINS ARE TO BE INSTALLED, THE CONTRACTOR IS REQUIRED TO:
(A). CONTACT THE RELEVANT AUTHORITIES PRIOR TO COMMENCING WORK.
(B). MAKE GOOD THE EXISTING SURFACE TO ITS ORIGINAL SPECIFICATION AS APPROVED BY THE ENGINEER.

13/ WHERE PIPES PASS UNDER FOUNDATIONS PIPE TRENCH TO BE BACKFILLED TO FORMATION LEVEL WITH CL16/20 CONCRETE.

14/ CCTV SURVEY TO BE CARRIED OUT ON ALL NEW DRAINAGE RUNS & CCTV SURVEY INTERPRETIVE REPORT & DRAWINGS TO BE ISSUED TO ENGINEERS WITH 3No ADDITIONAL COPIES FOR THE MANAGEMENT COMPANY & SAFETY FILE.

15/ ALL COVERS OF EXISTNG MANHOLES TO BEBUILT TO FINAL FINISHED PAVEMENT OR DRAINAGE LEVELS.

16/ COVER LEVELS DETAILED ARE INDICATIVE. COVER LEVELS TO TIE IN FLUSH WITH PROPOSED PAVEMENT & LANDSCAPING LEVELS.

17/ ALL DOWN PIPES FROM CARPARK DECK TO BE 150mm PIPES. ALL PLANTER DOWN PIPES TO BE 100mm PIPES.

18/ CONCRETE SURROUND SHALL BE PROVIDED ON ALL PIPES WITH LESS THAN 1.2m COVER.

LEGEND:

- Proposed Surface Drain — 225Ø SW
- Proposed Gully with 150Ø connecting pipes. — RG SW
- Proposed Soakaway — Soakaway SW
- Proposed Inspection Chamber — SW IC
- Proposed Aco Channel.
- Proposed Aco Universal Gully
- Proposed Surface Water Manhole — SW
- Proposed Concrete Dished Channel As Per Detail on Eireng Drawing 152046-C113
- Existing Channel to be removed. Adjacent channel drain left in situ to be capped.
- Existing Surface Water Pipe — 300Ø EX-SW
- Existing Services (Foul, Electrical,TV, etc)

GENERAL NOTES:

DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT DESIGN DRAWINGS.

DO NOT SCALE, USE FIGURED DIMENSIONS ONLY.

ALL LEVELS ARE METRES RELATIVE TO ORDNANCE DATUM.

IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY OR DETERMINE ALL DIMENSIONS AND LEVELS REQUIRED PRIOR TO COMMENCEMENT OF CONSTRUCTION OR PRODUCTION OF FABRICATION DRAWINGS.

ALL INVERT LEVELS OF EXISTING DRAINAGE TO BE INVESTIGATED ON SITE PRIOR TO COMMENCEMENT OF WORKS AND REPORTED TO THE ENGINEER FOR CHECKING.

FOR ALL CONCRETE INFORMATION REFER TO EIRENG CONCRETE SPECIFICATION.

CONNECTIONS TO EXISTING CONCRETE SURFACE WATER SEWER USUING FLEXEAL FA150B/FA200B SADDLE OR SIMILAR APPROVED

FOR TYPICAL DRAINAGE CONSTRUCTION DETAILS REFER TO DRAWINGS 152045 C111 & C112

ALL EXISTING 150mm CHANNEL CONNECTION DRAINS TO BE MAINTAINED.

ALL EXISTING 150mm CHANNEL CONNECTION DRAINS TO BE PICKED UP WHERE NECESSARY.

CONTRACTOR IS RESPONSIBLE FOR SETTING OUT ALL DRAINAGE ON SITE.

CONCRETE DISHED CHANNEL ADDED TO DRAWING AS PER ASHE CONSTRUCTION INSTRUCTION. FINAL CONFIRMATION OF CONCRETE DISHED CHANNEL IS SUBJECT TO PLANNING VARIATION APPROVAL.

GULLIES TO BE PROVIDED AT ALL LOW POINTS AS CONFIRMED ON SITE.

CONCRETE DISHED CHANNEL TO BE LOCATED ALONGSIDE KERBLINES WIH MINIMUM FALLS TO CHANNEL OF 1:80.

REV	DATE	BY	DESCRIPTION
C3	21.12.2016	LL	Amended due to site conditions & Ashe Construction Instruction
C2	27.10.2016	LL	Revised As Clouded
C1	17.10.2016	LL	Issued for Construction

REVISIONS

CLIENT: ocado

PROJECT TITLE: PROJECT STORM

DRAWING TITLE: PROPOSED DRAINAGE LAYOUT - ZONE 1

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DRAWN BY	L Lonergan	DATE	14.12.15
ENG CHECK	N.Logue	DATE	16.12.15
APPROVED	T.Sheehan	DATE	16.12.15
SCALE	As indicated	SHEET	A1
STATUS	CONSTRUCTION		
JOB NO.	152-046	DRAWING NUMBER	C104
		REVISION	C3