NOTES

1. FOR STANDARD NOTES REFER TO DRAWING No. 29043/CD/000
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, SERVICES & M.E.A. DRAWINGS.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED. LEVELS ARE STRUCTURAL LEVELS IN METRES TO ORDNANCE DATUM. THIS DRAWING MUST NOT BE SCALED.

DENOTES EXTENT OF CURRENT PLANNING APPLICATION

DENOTES NEW BERM AND LANDSCAPING

DENOTES EXISTING WAYLEAVE

SITE BOUNDARY

DRAINAGE LEGEND

- EXISTING FOUL WATER LINE
- PROPOSED FOUL WATER LINE
- EXISTING SURFACE WATER LINE
- PROPOSED SURFACE WATER LINE
- WM WM PROPOSED DE-MIN WATER SUPPLY LINE TO HGU
- PROPOSED DE-MIN WATER REJECT LINE FROM HGU
- GAS GAS PROPOSED NEW GAS LINE FROM HGU
- O.H ELEC PROPOSED 10 KV CABLE TO HGU

Foul Sewer Notes:

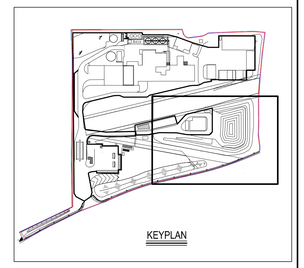
1. The location of all existing services shall be Confirmed prior to any excavation.
2. Proposed foul water drainage pipework shall be Wavin uPVC pipework and fittings.
3. Proposed foul water drainage designed to achieve a minimum self-cleansning velocity of 0.75m/s.
4. All manhole covers shall be ductille iron solid top covers load class D400 to IS EN 124.
5. Access Junctions shall be Wavin 160mmØ AJ with B125 ductile iron cover and shall be located in pedestrian areas only.

Surface Water Drain Notes:

1. Proposed surface water drainage designed to achieve a minimum self-cleansing velocity of 1.0m/s.
2. Proposed drainage pipework shall be JFC Twin Contitpe pipework and fittings.
3. All manhole covers shall be ductille iron solid top covers load class D400 to IS EN 124.
4. The flow control device shall be a Hydrobrake Optimum vortex flow control by HRD Technologies:
   - Design flow = 4L/Sec for 30yr return period storm
   - Design head = 2.2m
6. All drainage channels in paved areas shall be ACO drainage channel and grating local class D400 with sump unit and silt bucket unless noted otherwise. The contractor shall include for endcaps at the head of each channel. P210SF.30.1 - Type 2
7. Road gullies to be located to drain a maximum area of 200m². Grating shall be sited to achieve a minimum wet area of 74Ccm².

PROPOSED SURFACE WATER MANHOLE SCHEDULE

MANHOLE REF.	INVERT LEVEL	COVER LEVEL
SWMH100	28.643m	
SWMH101	28.750m	
SWMH102	28.820m	
SWMH103	28.950m	
SWMH104	29.000m	
SWMH105	28.957m	
SWMH106	29.169m	
SWMH107	29.340m	
SWMH108	28.743m	
SWMH109	28.870m	
SWMH110	28.994m	
SWMH111	29.079m	
PUMP CHAMBER	28.395m	
SWMH112	28.581m	
SWMH113	28.670m	
SWMH114	28.267m	
SWMH115	30.832m	
SWMH116	31.278m	
SWMH117	31.735m	
SWMH118	32.335m	
SWMH119	32.935m	
SWMH120	33.466m	
SWMH121	34.000m	
SWMH122	34.700m	
SWMH123	35.300m	
SWMH124	35.730m	
SWMH125	33.246m	
SWMH126	34.111m	
SWMH127	33.550m	
SWMH128	34.425m	
SWMH129	34.446m	
SWMH130	34.887m	
SWMH131	35.425m	



KEYPLAN

REV.	DESCRIPTION:	BY.	APPR.	DATE.
F	ISSUED FOR PLANNING	DS	JMD	18/06/20
E	REVISED AND ISSUED FOR PLANNING	DS	JMD	02/06/20
D	REVISED AND ISSUED FOR PLANNING	DS	JMD	19/05/20
C	ISSUED FOR PLANNING	AD	NK	14/05/20
B	FOUL AND SURFACE WATER DRAINAGE REVISED	RN	NK	29/11/19
A	ISSUED FOR COMMENTS	VC	JMD	22.11.19

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PROJECT:
SITE SUSTAINABILITY PROJECT

TITLE:
PROPOSED DRAINAGE LAYOUT
SHEET 4 OF 5

DESIGNED:	CHECKED:	APPR'D:
JMD	JMD	NK
DRAWN:	DATE:	SCALE:
VC	NOV' 19	1:200 @ A0

DRG.No: 29043/CD/017 REV: F

110KV OVERHEAD LINES
110KV EXCLUSION ZONE
PROPOSED CONCRETE STAIRS
PROPOSED CONCRETE FOOTPATH
PROPOSED DE-MIN WATER REJECT LINE FROM HGU
PROPOSED DE-MIN WATER SUPPLY LINE TO HGU
PROPOSED 10KV CABLE TO HGU
PROPOSED HYDROGEN STORAGE TANK
AREA G - PROPOSED OFFICE RE-BUILD TO REPLACE EXISTING
AREA F - PROPOSED HYDROGEN ELECTROLYSER FFL=37.50
PROPOSED CONCRETE SLAB
PROPOSED FILTER DRAIN
FILTER DRAIN MANHOLE
PROPOSED FENCE
EXISTING FENCE
NEW FENCE LINE
PROPOSED GAS LINE FROM HGU
PROPOSED AGI STORE GNI OWNERSHIP
"AREA E" - EXCAVATED MATERIAL FROM AREAS B,C & D TO INCREASE EXISTING BERM
2m WIDE WAYLEAVE FOR 38kV LINE
14m WIDE WAYLEAVE FOR HIGH PRESSURE GAS MAIN
150 FOUL
F.P.U
GAS
O.H ELEC
WM