

ISO A1 594mm x 841mm
Approved: MD
Checked: MI
Designer: MS
Project Management Initials: DWG
Last saved by: HENRIQUE BOFF (2020.04.15) Last Plotted: 2020.04.16
Filename: \\EU1AECOM\NET\COMEMIA\KUEDBL2\UBSPR-224738_PALMERSTOWN_MONT19000_CAD_GIS\904_CEO1_WIP02_SHEETS\PR224738-ACM-00-00-DR-CE-00-0501.DWG

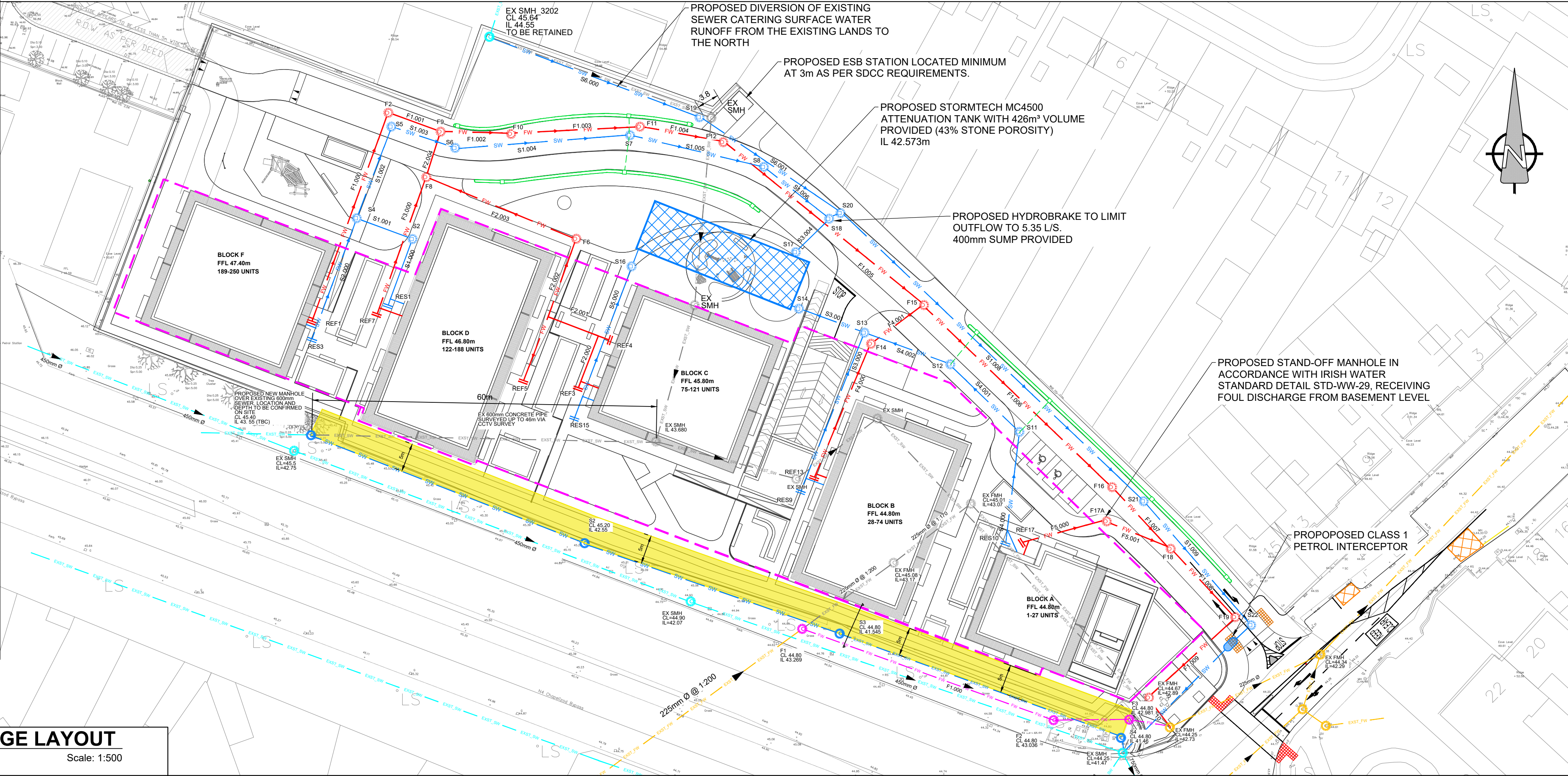
FOUL WATER NETORK DETAILS								
Pipe Number	US/MH Name	Pipe Length (m)	Fall (m)	Slope (1:X)	US/IL (m)	DS/IL (m)	US/CL (m)	Pipe DIA (mm)
1.000	REF 1	38.920	0.865	45.0	46.500	45.635	47.400	225
1.001	F2	9.896	0.049	200.0	45.635	45.586	46.690	225
2.000	REF3	10.504	0.053	200.0	44.900	44.847	45.800	225
2.001	REF4	9.800	0.049	200.0	44.847	44.798	45.800	225
2.002	REF5	10.637	0.053	200.0	44.798	44.745	46.800	225
2.003	F6	28.588	0.143	200.0	44.745	44.602	46.800	225
3.000	REF7	21.628	0.144	150.0	46.200	46.056	46.800	225
2.004	F8	11.100	0.056	200.0	44.602	44.547	46.700	225
1.002	F9	15.940	0.080	200.0	44.547	44.467	46.630	225
1.003	F10	18.906	0.095	200.0	44.467	44.373	46.400	225
1.004	F11	11.545	0.096	120.0	44.373	44.276	46.024	225
1.005	F12	49.070	0.245	200.0	44.276	44.031	45.626	225
4.000	REF13	27.740	0.277	100.0	44.100	43.823	44.800	225
4.001	F14	9.454	0.047	200.0	43.823	43.775	44.850	225
1.006	F15	44.989	0.225	200.0	43.775	43.550	44.900	225
1.007	F16	14.520	0.073	200.0	43.550	43.478	44.670	225
5.000	REF17	14.419	0.144	100.0	43.900	43.756	44.800	225
5.001	F17A	12.835	0.064	200.0	43.756	43.692	44.750	225
1.008	F18	16.839	0.168	100.0	43.478	43.309	44.570	225
1.009	F19	19.434	0.194	100.0	43.309	43.115	44.463	225
1.010	F20	6.600	0.066	100.0	43.115	43.049	44.200	225

SURFACE WATER NETWORK DETAILS								
Pipe Number	US/MH Name	Pipe Length (m)	Fall (m)	Slope (1:X)	US/IL (m)	DS/IL (m)	US/CL (m)	Pipe DIA (mm)
1.000	RES1	11.231	0.112	100.0	45.900	45.788	46.800	225
1.001	S2	10.354	0.069	150.0	45.000	44.931	46.500	225
2.000	RES3	20.694	0.207	100.0	46.500	46.293	47.400	225
1.002	S4	16.449	0.411	40.0	44.931	44.520	47.250	225
1.003	S5	12.228	0.306	40.0	44.520	44.214	46.770	225
1.004	S6	27.251	0.681	40.0	44.214	43.533	46.620	225
1.005	S7	25.230	0.252	100.0	43.533	43.281	46.090	225
1.006	S8	16.519	0.165	100.0	43.281	43.115	45.570	225
3.000	RES9	28.152	0.352	80.0	43.900	43.548	44.800	225
4.000	RES10	17.593	0.176	100.0	43.900	43.724	44.800	300
4.001	S11	17.203	0.115	150.0	43.724	43.609	45.000	300
4.002	S12	16.473	0.110	150.0	43.609	43.499	45.000	300
3.001	S13	11.594	0.058	200.0	43.473	43.415	45.000	300
3.002	S14	15.304	0.077	200.0	43.415	43.339	45.300	300
5.000	RES15	27.833	0.278	100.0	44.900	44.622	45.800	225
5.001	S16	15.275	0.076	200.0	44.000	43.924	45.350	300
3.003	ATT_TANK	15.055	0.075	200.0	42.573	42.498	45.800	300
3.004	S17	7.278	0.029	250.0	42.498	42.469	45.500	300
1.007	S18	2.072	0.014	150.0	42.469	42.455	45.220	300
6.000	EX_MH	39.332	0.437	90.0	44.475	44.038	45.640	300
6.001	S19	29.619	0.329	90.0	44.038	43.709	45.720	300
1.008	S20	73.108	0.366	200.0	42.305	41.939	45.220	450
1.009	S21	28.637	0.143	200.0	41.939	41.796	44.610	450
1.010	S22	30.461	0.152	200.0	41.796	41.644	44.450	450

A PROPOSED GROUND FLOOR DRAINAGE LAYOUT

0501

Scale: 1:500



LEGEND:

EXTENT OF PROPOSED BASEMENT.....

EXISTING FOUL WATER SEWER.....

EXISTING SURFACE WATER SEWER.....

EXISTING SURFACE WATER SEWER TO BE DECOMMISSIONED AND REMOVED.....

EXISTING SURFACE WATER SEWER TO BE DIVERTED.....

EXISTING FOUL WATER SEWER TO BE DECOMMISSIONED AND REMOVED.....

EXISTING FOUL WATER SEWER TO BE DIVERTED.....

PROPOSED FOUL WATER SEWER.....

PROPOSED 215 CI/SC SPEL STORMCEPTOR CLASS 1 BYPASS SEPARATOR

PROPOSED GULLIES TO WASTEWATER NETWORK.....

PROPOSED FLOOR GULLIES TO WASTEWATER NETWORK.....

PROPOSED ACO DRAINS TO BOTTOM OF RAMPS.....

PROPOSED FOUL RISING MAIN.....

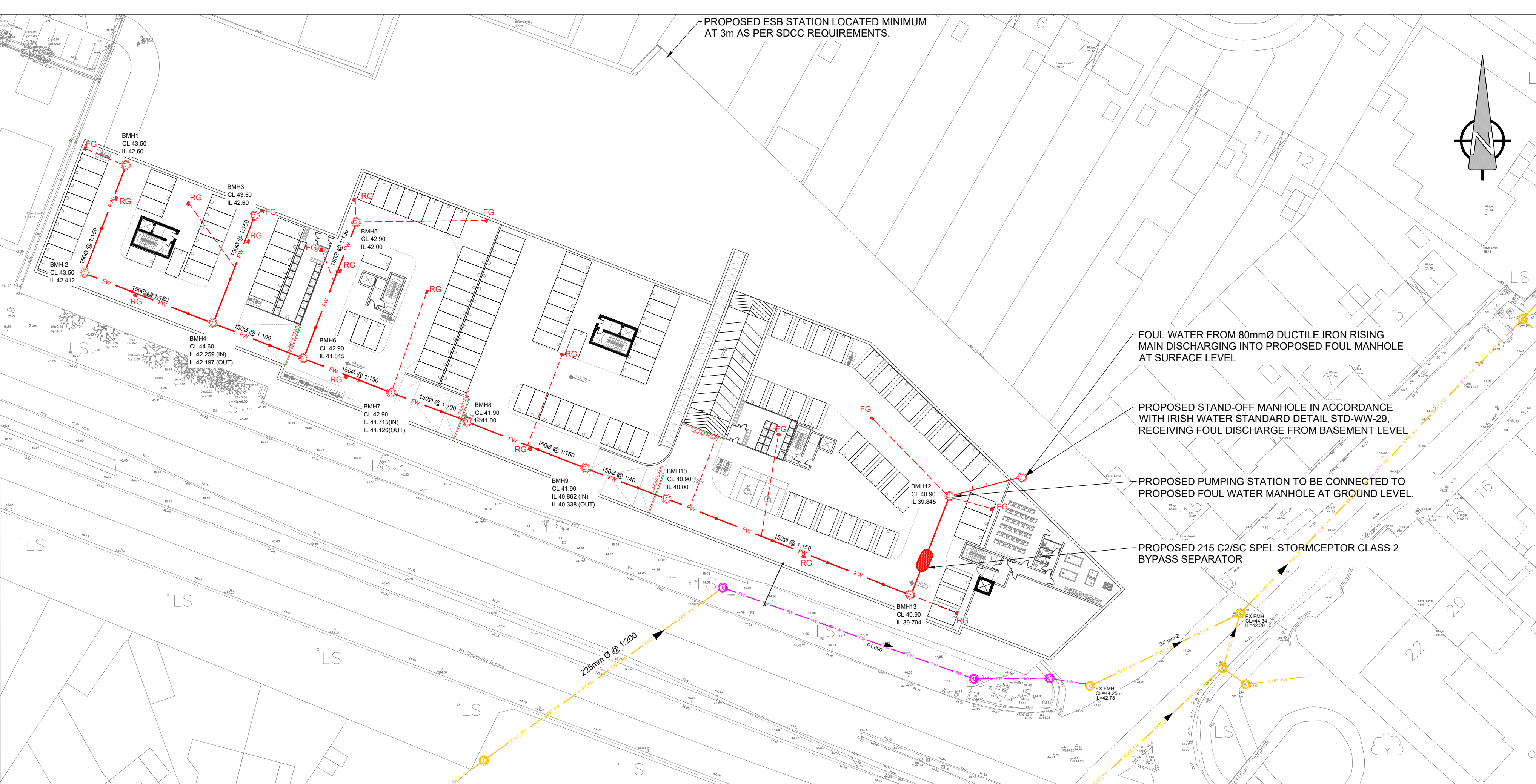
PROPOSED SURFACE WATER SEWER.....

PROPOSED OIL SEPARATOR.....

PROPOSED FILTER DRAINS, ACCESS CHAMBERS AND CONNECTION.....

PROPOSED FOUL RODDING EYE.....

PROPOSED SURFACE WATER RODDING EYE.....



B PROPOSED BASEMENT DRAINAGE LAYOUT

0501

Scale: 1:500

AECOM

PROJECT

PROPOSED STRATEGIC HOUSING DEVELOPMENT ON LANDS AT PALMERSTOWN RETAIL PARK, KENNELSFORT ROAD LOWER, PALMERSTOWN, DUBLIN 20

CLIENT

RANDELSWOOD HOLDINGS LTD.

CONSULTANT

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- NOTES
1.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS. ANY DISCREPANCIES, ERRORS OR OMISSIONS TO BE BROUGHT TO THE ATTENTION OF THE DESIGNER. ALL DIMENSIONS TO BE CHECKED BY THE CONTRACTOR ON SITE PRIOR TO COMMENCEMENT OF WORKS.
2.

AECOM LIMITED TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORKS ON SITE.
3.

DIMENSIONS OF ALL BOUNDARIES AND ADJOINING ROADS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF WORKS.
4.

DO NOT SCALE. ALL MEASUREMENTS AND COORDINATES TO BE CHECKED ON SITE.
5.

THE PROPOSED SURFACE WATER SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATION OF SECTION 3 OF 'RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS FOR HOUSING AREAS' (DEPARTMENT OF ENVIRONMENT & LOCAL GOVERNMENT 1998) AND IRISH WATER STANDARD DETAILS.
6.

THE LOCATION & DEPTH OF SERVICES TO BE CHECKED ON SITE PRIOR TO COMMENCING ANY WORKS.
7.

MANHOLE COVERS AND FRAMES IN PUBLICLY ACCESSIBLE AREAS SHALL BE HEAVY DUTY CAST IRON, CLASS D400, DOUBLE SEALED AND LOCKABLE TYPE COMPLYING WITH IS EN 124 AND BS 7903; GRADE A TYPE AS SPECIFIED IN IS 261:1984; AND CLASS D400.
8.

GULLY GRATINGS & FRAMES SHALL COMPLY WITH IS EN 124-2:2015.
9.

EXISTING INVERT LEVELS TO BE VERIFIED ON SITE BEFORE COMMENCING CONSTRUCTION.
10.

SURFACE WATER & FOUL SEWER PIPES LESS THAN 1.2m BELOW THE ROAD SURFACE OR LESS THAN 0.9m IN NON-TRAFFICKED FOOTPATHS AND LANDSCAPE AREAS (WITH AN ABSOLUTE MINIMUM DEPTH OF COVER ABOVE THE EXTERNAL CROWN OF THE PIPE Ø750mm) SHALL BE PROTECTED FROM DAMAGE BY PROVIDING MINIMUM 150mm THICK CONCRETE C16/20 HAUNCH IN ACCORDANCE WITH IS EN 12620.
11.

ATTENUATION PROPOSALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SOUTH DUBLIN COUNTY COUNCIL.
12.

CCTV SURVEY TO BE CONDUCTED PRIOR TO COMMENCEMENT OF ANY WORKS TO DETERMINE THE CONDITION AND VERIFY LEVELS OF THE EXISTING FOUL AND SURFACE WATER PIPES/ MANHOLES. ANY SUB-STANDARD OR DEFECTIVE ELEMENTS OF THE EXISTING PIPES/MANHOLES TO BE REPORTED AND CORRECTED.
13.

ALL SURFACE WATER DRAINAGE DETAILS TO BE IN ACCORDANCE WITH THE GREATER DUBLIN STRATEGIC DRAINAGE STUDY AND THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
14.

ALL FOUL WATER DETAILS TO BE IN ACCORDANCE WITH THE IRISH WATER INFRASTRUCTURE STANDARD DETAILS AND CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE.

AECOM PLANNING

ISSUE/REVISION

5

15-04-2020

SITE LAYOUT UPDATED

4

10-04-2020

SHD ISSUE

3

31-03-2020

AMENDED AS PER IW COMMENTS

2

27-03-2020

ISSUE FOR PLANNING

1

25-03-2020

DRAFT FOR PLANNING

0

30-10-2019

ISSUED FOR PRE-APP TO ABP

I/R

DATE

DESCRIPTION

PROJECT NUMBER

60556657

SHEET TITLE

PROPOSED DRAINAGE LAYOUT

SHEET NUMBER

PR224738-ACM-00-00-DR-CE-00-0501