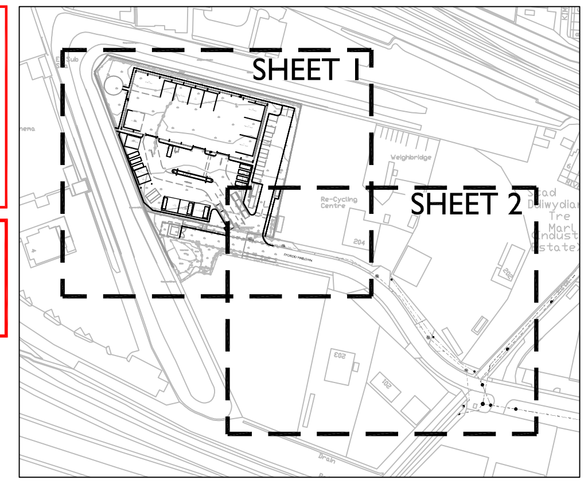
NOTE
THE EXISTING DRAINAGE AND CONNECTIONS AS SHOWN HAVE BEEN TAKEN FROM A NUMBER OF SOURCES INCLUDING CCTV DRAINAGE SURVEY UNDERTAKEN BY METROROD AND SITE SURVEY UNDERTAKEN BY JP STRUCTURAL DESIGN AND WILL NEED TO BE VERIFIED.

NOTE
** IT MUST BE CONFIRMED PRIOR TO THE ABANDONMENT OF ANY EXISTING DRAIN THAT THE DRAINAGE DOES NOT SERVE ANY AREA TO REMAIN.



SITE PLAN
SCALE 1:2500

Re-Cycling Centre

FFORDD MAELGWN

CL 7.580
IL 5.915
RG
FMH 1.2
CL 7.580
IL 6.430
FO
3.993 11m 300Ø @ 1:238
1.003 30m 300Ø @ 1:21
RG 20m 150Ø @ 1:21
DUCT
RG
x 2750(h)
INLET LEVEL 6.360
OUTLET LEVEL 6.300
WITH CONTROL PANEL KIOSK
WITH SOLAR POWERED HIGH
LEVEL ALARM WARNING
BEACON
'SPEL PURACEPTOR' CLASS 1
FULL RETENTION SEPARATOR
MODEL P065/1C/SC
4810(l) x 2700(Ø) x 3050(h)
INLET LEVEL 5.865
OUTLET LEVEL 5.765
WITH CONTROL PANEL KIOSK
WITH SOLAR POWERED HIGH
LEVEL ALARM WARNING
BEACON
SMH 1.4
CL 7.130
IL 5.785
SCP 1.5
CATCHPIT WITH WITH VORTEX
FLOW CONTROL DEVICE TO
LIMIT FORWARD FLOW TO 6.6l/s
AT 1.3m
CL 7.200
L 5.710
BL 5.210 (500mm SUMP)
1.004 9m 300Ø @ 1:221
7.5m 150Ø @ 1:100
1.005 5.2m 300Ø @ 1:223
8m 150Ø @ 1:100
FMH 1.4
CL 7.100
IL 6.180
EX MH 5
CL 6.800
IL UNK
300Ø
FMH 1.5
CL 6.950
IL 6.100
EX MH 4
CL 6.990
IL 5.690
50.6m 150Ø @ 1:84
CONTRACTOR TO DETERMINE EXACT LINE AND LEVEL OF EXISTING 300Ø SURFACE WATER DRAIN PRIOR TO THE COMMENCEMENT OF THE WORK AND REPORT FINDINGS TO THE ENGINEER
PROPOSED MANHOLE TO BE CONSTRUCTED ON LINE OF EXISTING SURFACE WATER DRAIN. ASSUMED IL 5.710
SCP 1.6
CATCHPIT WITH WITH VORTEX FLOW CONTROL DEVICE TO LIMIT FORWARD FLOW TO 6.9l/s AT 1.2m HEAD
CL 7.000
IL 5.710
BL 5.210 (500mm SUMP)
FMH 1.6
CL 6.500
IL 5.500
EX MH 6
CL 6.400
IL UNK
24.2m 150Ø @ 1:97
FMH 1.7
CL 6.400
IL 5.250
EX MH 9
CL 6.400
IL 6.100
24.2m 150Ø @ 1:100
300Ø
150Ø
FMH 1.8
CL 6.200
IL 5.000
EX MH 7
CL 5.400
IL UNK
EX MH 8
CL 5.400
IL UNK
34.5m 150Ø @ 1:72
150Ø
300Ø
FMH 1.9
CL 5.200
IL 4.520
32m 150Ø @ 1:100
EX MH 9
CL 5.300
IL UNK
150Ø
300Ø
DCWW
REF: SH79777501
CL 5.300
IL UNK
DCWW
REF: SH79777550
CL 4.700
IL 4.200 (ASSUMED)
BREAK INTO EXISTING MANHOLE TO FACILITATE CONNECTION OF NEW 150Ø FOUL SEWER ASSUMED IL 4.200
EXISTING HEADWALL
IL UNK
DCWW
REF: SH79778501
DCWW
REF: SH79778505
EXISTING PUMP STATION
DCWW REF: 3116
TREMARL
EXISTING COMBINED SEWER OVERFLOW
IL UNK
FWS
PM
UNKØ
204
203
202
201

NOTES

1. THE WORKS SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, NATIONAL BUILDING SPECIFICATION (NBS) AND SEWERS FOR ADOPTION, 7TH EDITION.

2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS DRAWINGS, ARCHITECTS DRAWINGS, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.

3. THE LOCATION, LINE & LEVEL OF ALL KNOWN EXISTING BURIED SERVICE MAINS AND DRAINAGE PIPEWORK INDICATED ON THE DRAWINGS ARE APPROXIMATE AND FOR GUIDANCE PURPOSES ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THEIR EXACT LINE & LEVEL, BY WAY OF HAND EXCAVATED TRIAL PITS, PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION WORKS ON SITE. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN THE STRUCTURAL INTEGRITY OF ALL ABOVE AND BELOW GROUND SERVICE MAINS / DRAINAGE INSTALLATIONS.

4. THE CONTRACTOR MUST COMPLY WITH ALL CURRENT LEGISLATION RELATING TO HEALTH & SAFETY.

5. THE MAIN CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF ALL TEMPORARY WORKS, AND IS ALSO RESPONSIBLE FOR THE SAFE MAINTENANCE AND STABILITY OF EXISTING BUILDINGS AT ALL TIMES.

6. THE MAIN CONTRACTOR IS RESPONSIBLE FOR THE MITIGATION OF ALL OCCURRENCES OF GROUND WATER DURING THE CONSTRUCTION PERIOD.

7. THE CONTRACTOR SHALL MAKE ALLOWANCE FOR RAISING / LOWERING ALL EXISTING ACCESS COVERS & FRAMES TO SUIT NEW FINISHED LEVELS.

8. ALL SOFT / HARD PAVED AREAS AFFECTED BY THE WORKS SHALL BE FULLY REINSTATED UPON COMPLETION OF THE WORKS. ALL SURFACE MARKINGS DAMAGED BY THE WORKS SHALL BE FULLY REINSTATED.

9. ALL SURPLUS EXCAVATED MATERIAL SHALL BE DISPOSED OF OFF SITE.

10. ALL LEVELS ARE TO ORDNANCE DATUM

KEY

- FWS — EXISTING FOUL WATER SEWER
- EXISTING SW DRAIN
- EXISTING FOUL WATER DRAIN
- PM — EXISTING PUMP MAIN
- RG — EXISTING ROAD GULLY
- **EXISTING DRAIN TO BE ABANDONED
- PROPOSED FOUL SEWER
- PROPOSED SW SEWER
- PROPOSED FILTER DRAIN
- PROPOSED ATTENUATION CRATES
- PROPOSED PERMEABLE PAVING
- LINEAR DRAINAGE CHANNEL CHANNEL (SU - UNIVERSAL SUMP UNIT WITH AIR TRAP)
- RG — PROPOSED TRAPPED ROAD GULLY (150Ø OUTLET)
- RWP — PROPOSED RAIN WATER DOWN PIPE (100Ø OUTLET)
- FO — PROPOSED FOUL OUTLET (100Ø OUTLET)

REV	DESCRIPTION	BY	CHK	APR	DATE
-	-	-	-	-	-

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PURPOSE OF ISSUE: PRELIMINARY	STATUS: P
PROJECT: LLANDUDNO JUNCTION WASTE TRANSFER SITE	
TITLE: DRAINAGE SCHEME PROPOSED LAYOUT 2 OF 2	
CLIENT: CONWY COUNTY BOROUGH COUNCIL	
DRAWN BY: JR	CHECKED BY: RH	APPROVED BY: JP
DATE: 27.06.2023	SCALE (@ A1): 1:250	PROJECT NUMBER: 16019
DRAWING NUMBER: LJW-JPS-XX-XX-DR-C-0503	REV: P01