

DO NOT SCALE: CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ANY OMISSIONS OR ERRORS

- NOTES HIGHWAYS DRAINAGE:**
- ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE.
  - THIS DRAWING TO BE READ IN CONJUNCTION WITH DRAINAGE LONG SECTIONS, MANHOLE SCHEDULES & TYPICAL DRAINAGE DETAILS.
  - ALL MANHOLES AND PIPES TO BE CONSTRUCTED IN ACCORDANCE WITH SEWERS FOR ADOPTION 6th EDITION, AND TO THE SATISFACTION OF SEVERN TREAT WATER.
  - EXISTING SEWERS AND LATERAL CONNECTIONS TO BE ABANDONED SHALL BE GROUDED ALONG THEIR FULL LENGTH IN ACCORDANCE WITH SEWERS FOR ADOPTION 7th EDITION CLAUSE 5.2.11 CEMENT GROUTS.
  - CONNECTIONS TO EXISTING MANHOLES SHALL BE MADE AT THE I.L. EXISTING PCC RINGS AND BENDING SHALL BE MADE GOOD UPON COMPLETION OF THE NEW CONNECTION. ROCKER PIPES MUST BE USED IN ACCORDANCE WITH THE TYPICAL DRAINAGE DETAILS DRAWING.
  - CONTRACTOR TO UNDERTAKE SURVEY OF EXISTING MANHOLES TO CONFIRM COVER AND INVERT LEVELS AND PIPE DIAMETERS. TRIAL HOLE MAY BE REQUIRED TO CONFIRM EXISTING PIPE LEVEL. SURVEY REQUIRED 4 WEEKS PRIOR TO COMMENCING DRAINAGE WORKS FOR ANY DISCREPANCIES TO BE ADDRESSED.
  - ALL PIPES UP TO 300mm DIAMETER TO BE CLAYWARE. ALL PIPES 375mm DIAMETER OR GREATER TO BE CONCRETE.
  - ALL LANDSCAPING AND TREE PLANTING EXISTING OR PROPOSED TO ADHERE TO FIGURE 2.3 SFA 6th EDITION. THE TREES SPECIFIED WILL BE AS PER SEWERS FOR ADOPTION AND POSITIONED ACCORDINGLY.
  - A TEMPORARY SCREEN IS TO BE FITTED OVER THE LAST NEW MANHOLE BEFORE ENTERING THE EXISTING SEWER IN ACCORDANCE WITH SEWER FOR ADOPTION 6TH EDITION. THE SCREEN SHALL ONLY BE REMOVED ONCE ON-SITE CONSTRUCTION HAS BEEN COMPLETED.
  - MANHOLE RINGS SHOULD NOT BE CUT UNDER ANY CIRCUMSTANCES.

- KEY- HIGHWAYS DRAINAGE:**
- PROPOSED S185 ADAPTABLE SURFACE WATER SEWER & MANHOLE WITH PIPE Ø, GRADIENT AND MH CL & IL
  - PROPOSED S185 ADAPTABLE FOUL WATER SEWER & MANHOLE WITH PIPE Ø, GRADIENT AND MH CL & IL
  - PROPOSED S104 ADAPTABLE SURFACE WATER SEWER & MANHOLE WITH PIPE Ø, GRADIENT AND MH CL & IL
  - PROPOSED S104 ADAPTABLE FOUL WATER SEWER & MANHOLE WITH PIPE Ø, GRADIENT AND MH CL & IL
  - PROPOSED S104 ADAPTABLE SURFACE WATER CONTINUATION PIPE
  - PROPOSED HIGHWAY DRAIN
  - EXISTING SURFACE WATER SEWER & MANHOLE WITH MH CL & IL
  - EXISTING FOUL WATER SEWER & MANHOLE WITH MH CL & IL
  - PROPOSED ROAD GULLY
  - EXISTING ROAD GULLY TO BE BACKFILLED / ABANDONED
  - EXISTING SEWER TO BE ABANDONED
  - SEVERN TREAT WATER EASEMENT
  - PROPOSED HIGHWAY CONTOURS
  - RAMP LOCATION (AS SHOWN ON WYG HIGHWAYS DRAWINGS)
  - PROPOSED PRIVATE SURFACE WATER DRAIN
  - PROPOSED PRIVATE FOUL WATER DRAIN
  - PRIVATE ACC CHANNEL - PARADRAIN OR SIMILAR APPROVED
  - PRIVATE GULLY
  - RODDING EYE CONNECTIONS
  - PRIVATE DRAIN CONNECTION (SURFACE / FOUL)
  - PRIVATE TYPE 3 SURFACE / FOUL WATER INSPECTION CHAMBER
  - PRIVATE TYPE 4 SURFACE / FOUL WATER INSPECTION CHAMBER
  - TEMPORARY TRASH SCREEN / GRILL LOCATION (DURING CONSTRUCTION WORKS)
  - WEHM APPLICATION SITE BOUNDARY
  - FINISHED FLOOR LEVEL

**IMPORTANT CDM / H/S NOTE**

THE DESIGNERS WOULD DRAW THE READERS ATTENTION TO KEY RESIDUAL CONSTRUCTION HEALTH AND SAFETY HAZARDS THAT HAVE NOT BEEN ELIMINATED FROM THE DESIGNS SHOWN ON THE DRAWINGS BY THE DESIGN PROCESS. THESE HAZARDS ARE IDENTIFIED BELOW:

003	INTERFERENCE WITH THE PUBLIC
004	SITE SECURITY
005/07	LOVE SERVICES
008/10	GENERAL/DEEP EXCAVATION FOR DRAINAGE
0021	LOCALISED AREAS OF CONTAMINATED GROUND

ANY CONSTRUCTION PERSONNEL, INCLUDING OPERATIVES INTENDING TO CONSTRUCT THE DESIGNS SHOWN ON THIS DRAWING SHOULD ENSURE THAT THEY HAVE BEEN THOROUGHLY BRIEFED BY THE PRINCIPAL CONTRACTOR ON ALL HEALTH AND SAFETY MATTERS AND HAVE SIGHT OF THE FULL DESIGNERS AND CONTRACTORS HAZARD AND RISK ASSESSMENTS AND RISK REGISTER.

THE DEVELOPER CONSTRUCTION PHASE HEALTH AND SAFETY PLAN - THE CONTRACTORS CONSTRUCTION METHOD STATEMENTS.

**FOR APPROVAL**

REV	DESCRIPTION	BY	CHK	APP	DATE
I	MASTERPLAN UPDATED	AS	IJ	ID	20/12/18
H	SEE SCHEDULE OF CHANGES	SM	IJ	PC	02/11/18
G	MASTERPLAN UPDATED	SM	IJ	PC	18/06/18
F	GEOCELLULAR STORAGE ADJACENT PLOT 15 MOVED	SM	IJ	PC	18/05/18
E	NOTE 10. ADDED	SM	IJ	PC	09/09/17
D	2x900mm PIPES REPLACE LARGE DIA. STORAGE	SM	IJ	PC	23/08/17
B	DRAINAGE AMENDED TO SUIT NEW MASTERPLAN	SM	IJ	PC	20/03/17
A	FIRST ISSUE	SM	IJ	PC	21/10/16

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Project:  
WEHM - PHASE 4  
COVENTRY

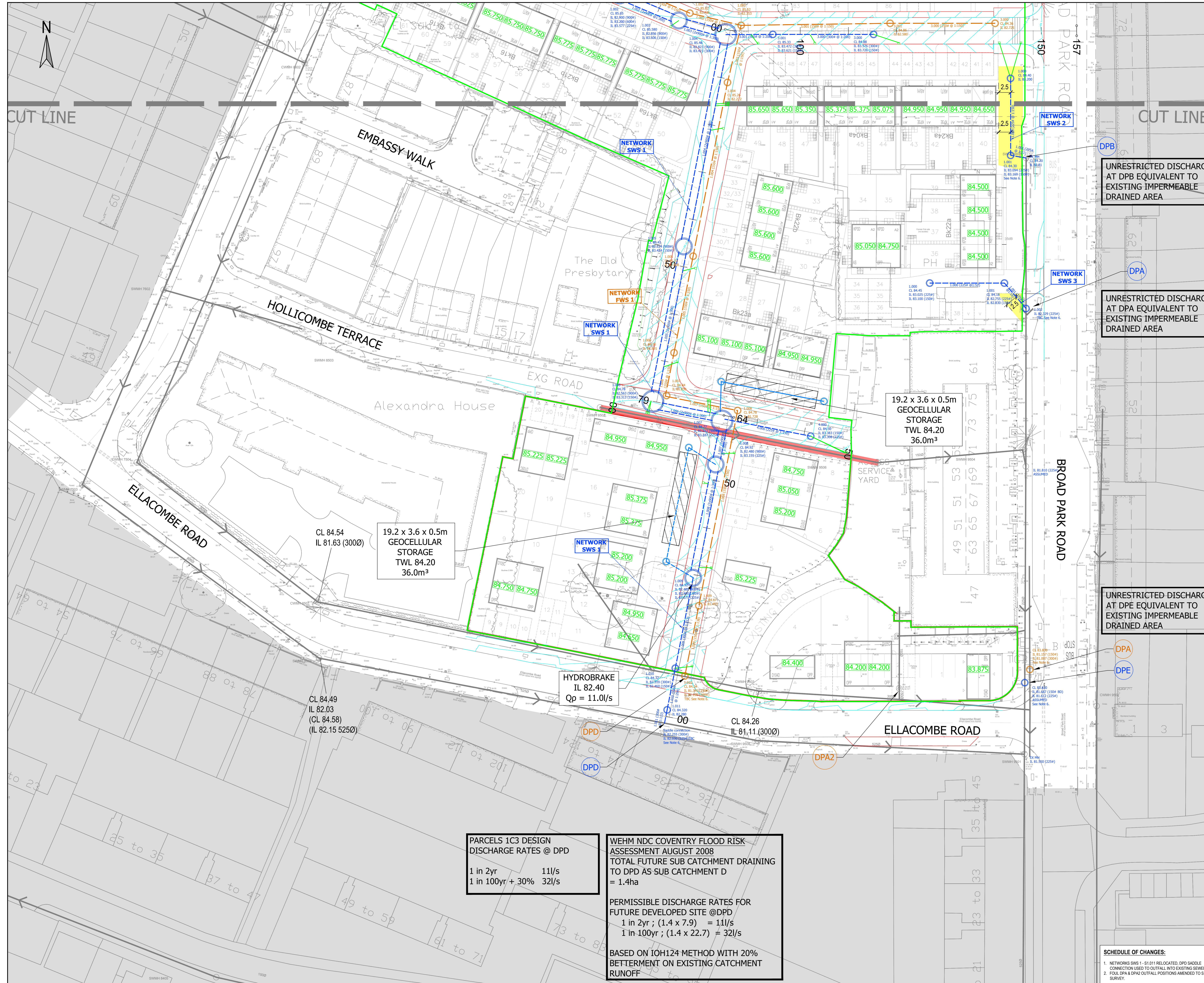
Drawing Title:  
PARCEL 1C3  
S104 DRAINAGE  
SHEET 2 OF 2

Scale @	A0	Drawn	Date	Checked	Date	Approved	Date
1:250	SM	IJ	13/09/16	PC	13/09/16	PC	13/09/16

Project No.	Office	Type	Drawing No.	Revision
A058387-6	35	12	512	I

**SCHEDULE OF CHANGES:**

- NETWORKS SWS 1 - S101 RELOCATED, DPD SADDLE CONNECTION USED TO OUTFALL INTO EXISTING SEWER.
- FOUL DPA & DPA2 OUTFALL POSITIONS AMENDED TO SITE SURVEY.



19.2 x 3.6 x 0.5m  
GEOCELLULAR  
STORAGE  
TWL 84.20  
36.0m<sup>3</sup>

19.2 x 3.6 x 0.5m  
GEOCELLULAR  
STORAGE  
TWL 84.20  
36.0m<sup>3</sup>

HYDROBRAKE  
IL 82.40  
Qp = 11.0l/s

**PARCELS 1C3 DESIGN  
DISCHARGE RATES @ DPD**

1 in 2yr 11l/s  
1 in 100yr + 30% 32l/s

**WEHM NDC COVENTRY FLOOD RISK  
ASSESSMENT AUGUST 2008**

TOTAL FUTURE SUB CATCHMENT DRAINING TO DPD AS SUB CATCHMENT D = 1.4ha

PERMISSIBLE DISCHARGE RATES FOR FUTURE DEVELOPED SITE @ DPD

1 in 2yr; (1.4 x 7.9) = 11l/s  
1 in 100yr; (1.4 x 22.7) = 32l/s

BASED ON IOH124 METHOD WITH 20% BETTERMENT ON EXISTING CATCHMENT RUNOFF

