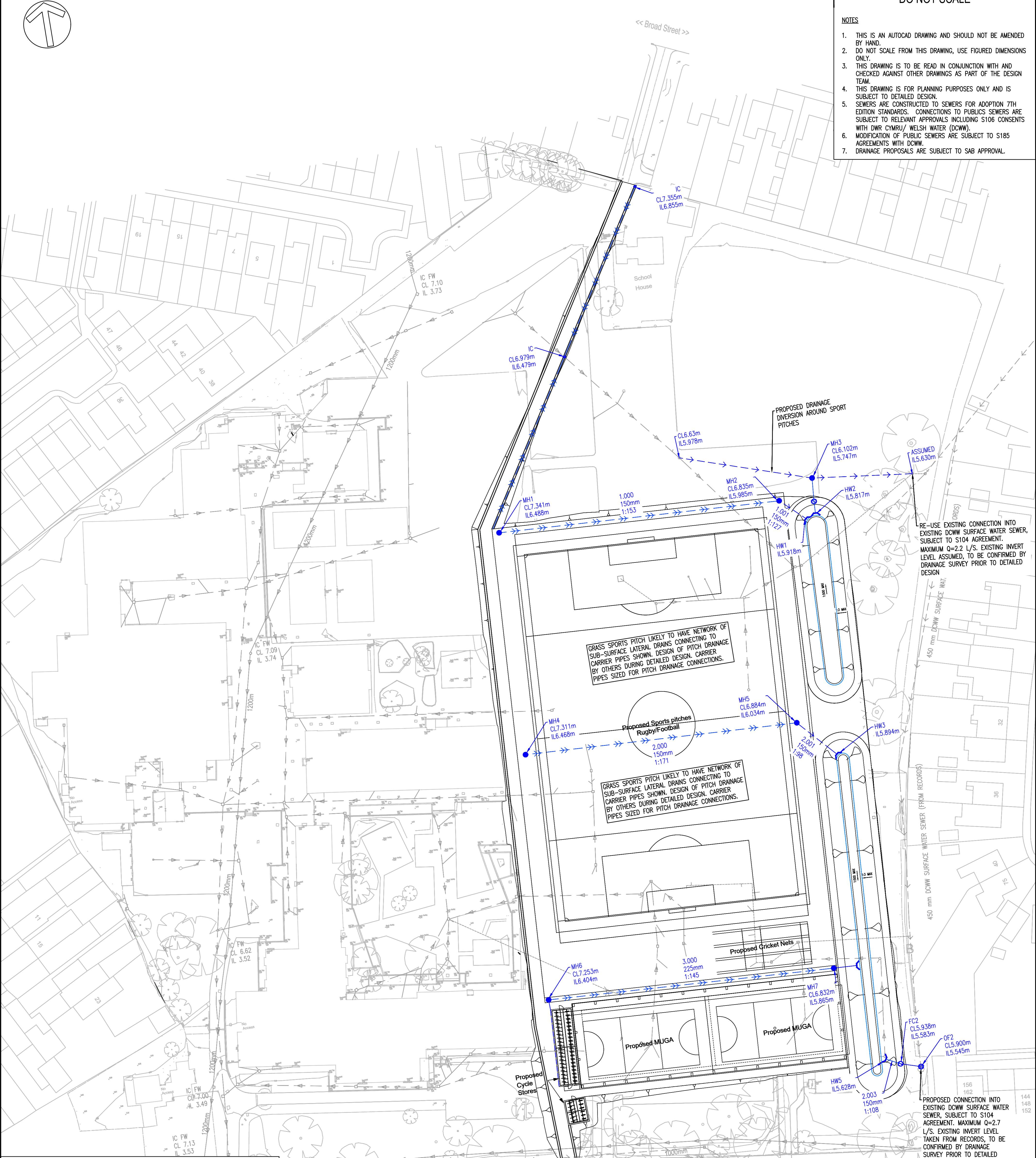


- NOTES**
1. THIS IS AN AUTOCAD DRAWING AND SHOULD NOT BE AMENDED BY HAND.
 2. DO NOT SCALE FROM THIS DRAWING, USE FIGURED DIMENSIONS ONLY.
 3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH AND CHECKED AGAINST OTHER DRAWINGS AS PART OF THE DESIGN TEAM.
 4. THIS DRAWING IS FOR PLANNING PURPOSES ONLY AND IS SUBJECT TO DETAILED DESIGN.
 5. SEWERS ARE CONSTRUCTED TO SEWERS FOR ADOPTION 7TH EDITION STANDARDS. CONNECTIONS TO PUBLICS SEWERS ARE SUBJECT TO RELEVANT APPROVALS INCLUDING S106 CONSENTS WITH DWR CYMRU/ WELSH WATER (DCWW).
 6. MODIFICATION OF PUBLIC SEWERS ARE SUBJECT TO S185 AGREEMENTS WITH DCWW.
 7. DRAINAGE PROPOSALS ARE SUBJECT TO SAB APPROVAL.



RE-USE EXISTING CONNECTION INTO EXISTING DCWW SURFACE WATER SEWER, SUBJECT TO S104 AGREEMENT. MAXIMUM Q=2.2 L/S. EXISTING INVERT LEVEL ASSUMED, TO BE CONFIRMED BY DRAINAGE SURVEY PRIOR TO DETAILED DESIGN

PROPOSED CONNECTION INTO EXISTING DCWW SURFACE WATER SEWER, SUBJECT TO S104 AGREEMENT. MAXIMUM Q=2.7 L/S. EXISTING INVERT LEVEL TAKEN FROM RECORDS, TO BE CONFIRMED BY DRAINAGE SURVEY PRIOR TO DETAILED DESIGN

NORTH SWALE - DESIGN SUMMARY		SOUTH SWALE - DESIGN SUMMARY	
ACCESS TRACK	2m	ACCESS TRACK	2m
SIDE SLOPES	1:3	SIDE SLOPES	1:3
LOW FLOW CHANNEL/ FOREBAY	NO	LOW FLOW CHANNEL/ FOREBAY	NO
IMPERMEABLE LINER	NO	IMPERMEABLE LINER	NO
MINIMUM I.L.	5.817 mAOD	MINIMUM I.L.	5.700 mAOD
MINIMUM BANK LEVEL	6.489 mAOD	MINIMUM BANK LEVEL	6.400 mAOD
MAXIMUM WATER LEVEL (1 in 100 YEAR + CC)	6.097 mAOD	MAXIMUM WATER LEVEL (1 in 100 YEAR + CC)	5.975 mAOD
FREEBOARD MIN	300 mm	FREEBOARD MIN	300 mm
ATTENUATION VOLUME (1 in 100 YEAR + CC)	88.274 m ³	ATTENUATION VOLUME (1 in 100 YEAR + CC)	123.181 m ³
AVAILABLE ATTENUATION VOLUME BELOW FREEBOARD	152.153 m ³	AVAILABLE ATTENUATION VOLUME BELOW FREEBOARD	229.584 m ³
FLOW CONTROL	HYDROBRAKE (CHE-0080-2200-0300-2200)	FLOW CONTROL	HYDROBRAKE (CHE-0086-2700-0400-2700)
DESIGN FLOW	2.2 l/s	DESIGN FLOW	2.7 l/s
DESIGN HEAD	0.3 m	DESIGN HEAD	0.4 m

REV	DATE	BY	DESCRIPTION	CHK	APP
P01	10/11/2023	PM	FIRST ISSUE	WF	WF

KEY

- SITE BOUNDARY
- PROPOSED SURFACE WATER SEWER
- PROPOSED SURFACE WATER CATCHPIT
- PROPOSED FILTERDRAIN
- PROPOSED FLOW CONTROL
- PROPOSED SURFACE WATER MANHOLE
- PROPOSED HEADWALL
- PROPOSED INSPECTION CHAMBER

<p>1 Capital Quarter, Tyndall St, Cardiff, CF10 4BZ, UK T+44 (0) 292 076 9200 wsp.com</p>	CLIENT: CARDIFF CITY COUNCIL	PROJECT: FITZALAN HIGH SCHOOL (LAWRENNY AVENUE) PITCHES	SCALE @ A1: 1:500	CHECKED: WF	APPROVED: WF
	ARCHITECT: STRIDE TREGLOWN	TITLE: PROPOSED SURFACE WATER DRAINAGE STRATEGY	PROJECT No: 70096653	DESIGNED: PM	DRAWN: PM
DRAWING No: 6653-WSP-ZZ-ZZ-DR-CV-05002			REV: P01		
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