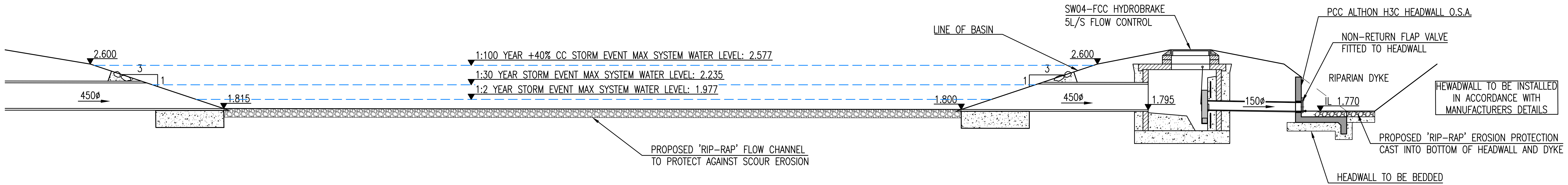
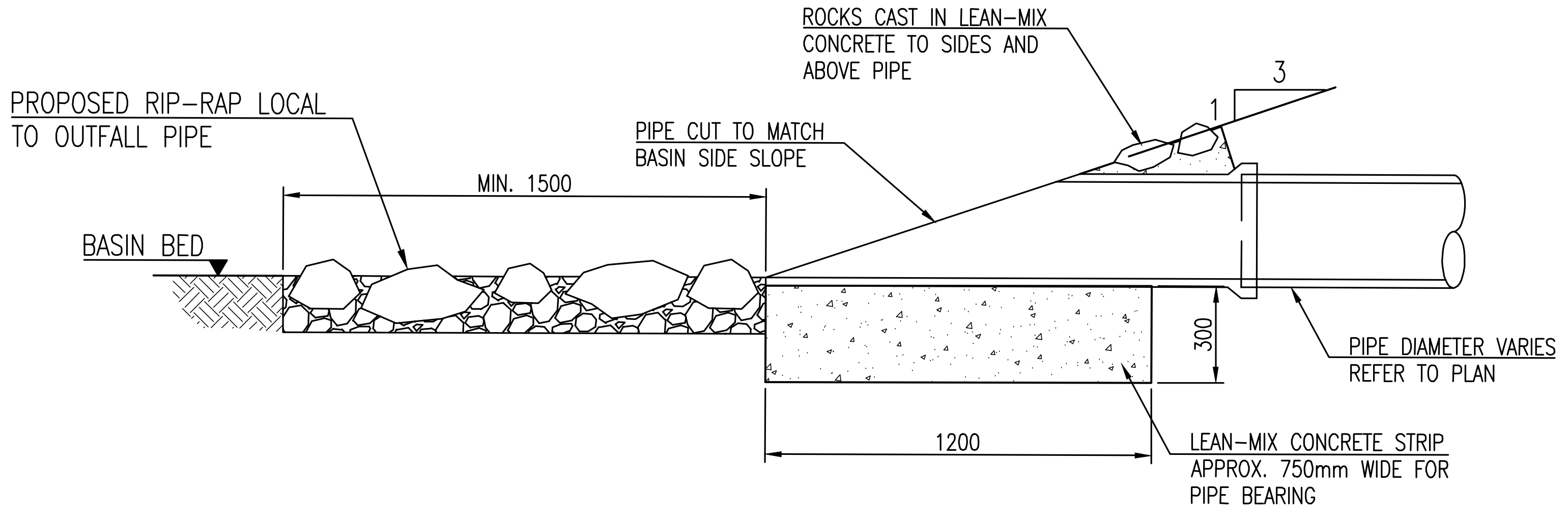

SW04-FCC HYDROBRAKE
5L/S FLOW CONTROL
LINE OF BASIN
PCC ALTHON H3C HEADWALL O.S.A.
NON-RETURN FLAP VALVE
FITTED TO HEADWALL
RIPARIAN DYKE
HEWADWALL TO BE INSTALLED
IN ACCORDANCE WITH
MANUFACTURERS DETAILS
2.600
3
1
1:100 YEAR +40% CC STORM EVENT MAX SYSTEM WATER LEVEL: 2.577
1:30 YEAR STORM EVENT MAX SYSTEM WATER LEVEL: 2.235
1:2 YEAR STORM EVENT MAX SYSTEM WATER LEVEL: 1.977
450ø
1.815
1.800
2.600
3
1
450ø
1.795
150ø
IL 1.770
PROPOSED 'RIP-RAP' EROSION PROTECTION
CAST INTO BOTTOM OF HEADWALL AND DYKE
PROPOSED 'RIP-RAP' FLOW CHANNEL
TO PROTECT AGAINST SCOUR EROSION
HEADWALL TO BE BEDDED
ON LEAN-MIX CONCRETE

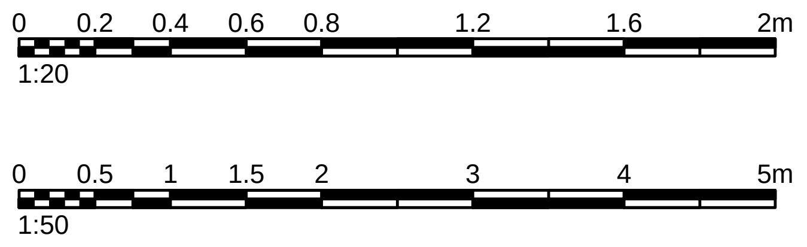
PROPOSED LONG SECTION THROUGH ATTENUATION BASIN/FLOW CONTROL CHAMBER/RIPARIAN DYKE

SCALE 1:50


ROCKS CAST IN LEAN-MIX
CONCRETE TO SIDES AND
ABOVE PIPE
3
1
PROPOSED RIP-RAP LOCAL
TO OUTFALL PIPE
PIPE CUT TO MATCH
BASIN SIDE SLOPE
MIN. 1500
BASIN BED
300
PIPE DIAMETER VARIES
REFER TO PLAN
1200
LEAN-MIX CONCRETE STRIP
APPROX. 750mm WIDE FOR
PIPE BEARING

TYPICAL BASIN INLET/OUTLET PIPE DETAIL

SCALE 1:20


0
0.2
0.4
0.6
0.8
1.2
1.6
2m
1:20
0
0.5
1
1.5
2
3
4
5m
1:50

REV.	DESCRIPTION	DRN.	APP.	DATE
–	FIRST ISSUE – FOR INFORMATION.	MRB	APW	12.09.25

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STRUCTURAL AND CIVIL ENGINEERING

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EAST ANGLIAN CIVILS HOLDINGS LTD.

PROJECT
PROPOSED RE-DEVELOPMENT OF YARD & BUILDINGS
66 BARRIER BANK, COWBIT, SPALDING,
LINCS. PE12 6AQ

TITLE
PROPOSED EXTERNAL WORKS DETAILS

DATE	JUL. '23	SCALE @A1 1:20 1:10	DRAWING NO. SW21-216-130	REV. –
DRAWN	MP			

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