

DO NOT SCALE

NOTES

1. THIS PLAN IS FOR INFORMATION PURPOSES ONLY
2. THIS PLAN SHOULD BE READ IN CONJUNCTION WITH THE WHARF FLOOD RISK ASSESSMENT & DRAINAGE STRATEGY REPORT (DOCUMENT REF: 70100518-WSP-HDG-WW-RP-CD-001)
3. THIS DRAWING SHOWS AN OUTLINE DRAINAGE STRATEGY BASED ON AN OUTLINE HIGHWAY ALIGNMENT DESIGN AND IS THEREFORE SUBJECT TO CHANGE AND DESIGN DEVELOPMENT.
4. EA OPENSOURCE LIDAR INFORMATION HAS BEEN USED TO INFORM THE DRAINAGE DESIGN IN CONJUNCTION WITH SURVEYED WATERCOURSE LEVELS FROM TOPOGRAPHICAL SURVEY REF: 47185 NOLS. ADDITIONAL TOPOGRAPHICAL SURVEYS HAVE BEEN UNDERTAKEN IN BASIN LOCATIONS TO UNDERSTAND LEVEL DIFFERENCES BETWEEN LIDAR AND SURVEYED LEVELS, FINDINGS CAN BE FOUND IN THE DETENTION BASIN SURVEY COMPARISON TECHNICAL NOTE IN APPENDIX N OF THE FLOOD RISK ASSESSMENT. SURVEY EXTENTS CAN BE FOUND WITHIN THE FRA DOCUMENT.
5. ALL BYPASS DRAINAGE TO BE INSTALLED IN ACCORDANCE WITH DMRB AND LOCAL HIGHWAY AUTHORITY STANDARDS.

KEY:

- REDLINE BOUNDARY
- TEMPORARY WORKS BOUNDARY
- PROPOSED ATTENUATION BASIN
- SEDIMENT FOREBAY
- PROPOSED CARRIER DRAIN
- PROPOSED CARRIER FILTER DRAIN
- PROPOSED FILTER DRAIN
- PROPOSED DITCH
- PROPOSED SWALE
- EXISTING DITCH
- DITCH TO BE REMOVED
- C PROPOSED HEADWALL
- PROPOSED GULLY
- PROPOSED CULVERT
- EXISTING DRAINAGE
- ➔ EXCEEDANCE FLOW ARROWS

FOR CONTINUATION SEE DRAWING: 70100518-WSP-HDG-WW-DR-CD-006

FOR CONTINUATION SEE DRAWING: 70100518-WSP-HDG-WW-DR-CD-004

DRAINAGE IN THIS AREA TO BE CONSIDERED AS PART OF FUTURE DEVELOPMENT

RETENTION BASIN 5  
 COVER LEVEL: 11.580  
 BASIN INVERT: 9.580  
 BASIN DEPTH: 1700mm + 300mm FREEBOARD  
 1:3 SIDE SLOPES  
 ATTENUATION VOLUME: 2,135m<sup>3</sup>  
 CATCHMENT AREA: 1.64ha  
 1 IN 100 + 40% CC  
 10% BASE AREA SEDIMENT FOREBAY

FLOW CONTROL DISCHARGE: 3.20l/s

OUTFALL INTO WATERCOURSE I.L. 8.759

OUTFALL INTO WATERCOURSE I.L. 8.900

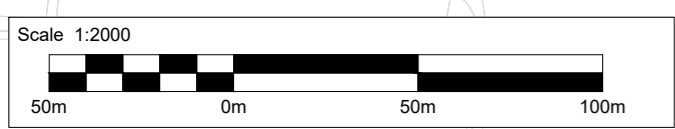
FLOW CONTROL DISCHARGE: 4.70l/s

PROPOSED CULVERT  
 450mm  
 END I.L.: 10.200m  
 PROPOSED CULVERT  
 450mm  
 START I.L.: 11.100m

RETENTION BASIN 6  
 COVER LEVEL: 11.600  
 BASIN LEVEL: 10.000  
 DEPTH: 1500mm + 300mm FREEBOARD  
 1:3 SIDE SLOPES  
 ATTENUATION VOLUME: 3,015m<sup>3</sup>  
 CATCHMENT AREA: 2.38ha  
 1 IN 100 + 40% CC  
 10% BASE AREA SEDIMENT FOREBAY

SEDIMENT FOREBAY AT INLET TO PROVIDE SURFACE WATER PRE-TREATMENT STAGE

POLLUTION CONTAINMENT VALVE 8, TYPE TO BE SPECIFIED



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REV	DATE	BY	DESCRIPTION	CHK	APP
P03	09/02/2024	AN	BASIN EARTHWORKS UPDATED.	JL	AG
P02	19/12/2023	AK	MANHOLES IN CARRIAGEWAY MOVED TO SOFT LANDSCAPE AND DRAWING NOTES UPDATED, OS MAP FILES AND DISCLAIMER UPDATED.	JL	AG
P01	27/11/2023	AK	FIRST ISSUE	FW	AG

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CLIENT: NORFOLK COUNTY COUNCIL

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ARCHITECT:

PROJECT: WEST WINCH HOUSING ACCESS ROAD

TITLE: DRAINAGE STRATEGY SHEET 03 OF 04

SCALE @ A1: 1:2000	CHECKED: DW	APPROVED: AG
PROJECT No: 70100518	DESIGNED: AK	DRAWN: AN
DRAWING No: 70100518-WSP-HDG-WW-DR-CD-005	DATE: February 24	REV: P03

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File name: C:\WPSP\ENGINEERING\DRAWINGS\70100518\WSP-HDG-WW-DR-CD-005.dwg, printed on 09 February 2024 16:43:35, by Name: Admin