

MIN 6M WIDE MAINTENANCE CORRIDOR ADJACENT TO BYPASS CHANNEL TO ACCOMMODATE ACCESS AND SILT DEPOSITION

NEW 5m WIDE ACCESS TRACK TO NEW POND ONLY

PROPOSED 1 IN 245 BYPASS CHANNEL TO PROVIDE ROUTE FOR FISH AND EXTREME RAINFALL

4No. OVERDEEP SECTIONS 2000mm LONG BY 500mm DEEP BELOW NORMAL CHANNEL BED TO PROVIDE REFUGE DURING DRY PERIODS

OVERHEAD POWER LINES PRESENT ABOVE THE PROPOSED POND

FLOW CONTROL STRUCTURE (SEE INSET A ON DRG 0481/GA/101) TO ROUTE FLOWS AS FOLLOWS:
 LOW FLOW TO PERMANENT WATER AND BYPASS CHANNEL
 MEDIUM FLOW TO BYPASS CHANNEL
 EXTREME FLOW OVERFLOW TO STORAGE AREA

500mm WIDE SHELF AT WATER LEVEL TO EXTEND AROUND POND

EXISTING WATERCOURSE INTERCEPTED INTO LOW FLOW CHANNEL TO PERMANENT WATER

MIN 9m WIDE MAINTENANCE CORRIDOR ABOVE PERMANENT WATER TO ACCOMMODATE ACCESS AND SILT DEPOSITION

MINIMUM OF 50No. WATER VOLE REFUGES SPREAD OVER THE LENGTH OF THE BYPASS CHANNEL

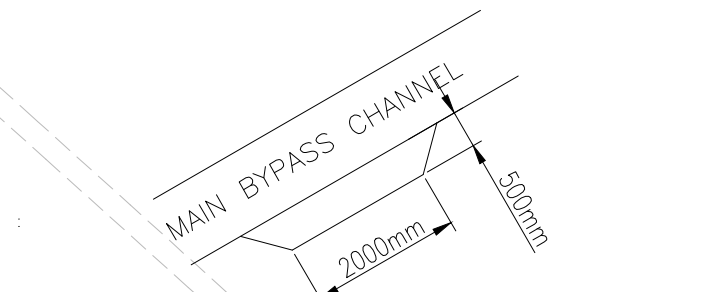
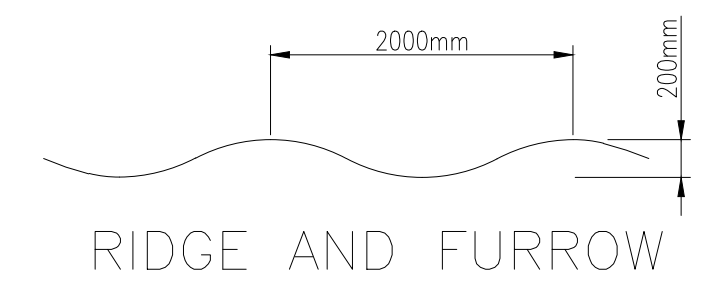
MINIMUM OF 100No. WATER VOLE LEDGES SPREAD OVER THE LENGTH OF THE BYPASS CHANNEL

GRASSED FLOOD STORAGE AREA SLOPED AT 1:500 TOWARD PERMANENT WATER

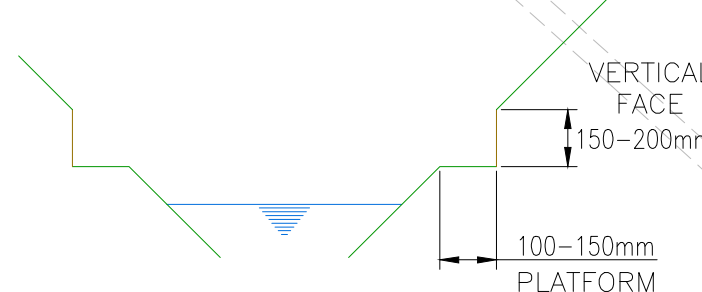
AREA OF RIDGE AND FURROW

1 IN 20 ACCESS SLOPE DOWN TO BASE OF POND FOR MAINTENANCE

MIN 6M WIDE MAINTENANCE CORRIDOR ABOVE DRY SECTION OF POND TO ACCOMMODATE ACCESS AND SILT DEPOSITION



WATER VOLE REFUGE
 SMALL CUT BACKS INTO BANK 300mm BELOW THE BASE OF THE BYPASS CHANNEL TO REMAIN UNDRAGED DURING CHANNEL MAINTENANCE



WATER VOLE LEDGE
 LENGTH OF LEDGE TO BE 1600mm (THE SIZE OF A STANDARD TOOTHLESS DITCHING BUCKET)
 VERTICAL FACES TO BE EXPOSED EARTH

Notes

- DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT SCHEME DRAWINGS AND SPECIFICATIONS.
- THIS DRAWING IS NOT TO BE REPRODUCED IN ANY PART OR FORM WITHOUT CONSENT OF WSP DEVELOPMENT AND TRANSPORTATION LTD. ALL COPYRIGHT RESERVED.
- TOPOGRAPHICAL SURVEY UNDERTAKEN BY OTHERS. SURVEY STATION LOCATIONS AND COORDINATES TO BE CONFIRMED ON SITE PRIOR TO THE COMMENCEMENT OF SETTING OUT.
- EXISTING ROAD LEVELS AND DRAINAGE INVERT LEVELS SHALL BE CHECKED PRIOR TO CONSTRUCTION COMMENCEMENT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER.
- THE LOCATION AND DEPTHS OF ALL EXISTING SERVICE APPARATUS SHOULD BE CONFIRMED WITH THE SERVICE AUTHORITIES PRIOR TO ANY EXCAVATION WORKS TAKING PLACE.
- FOR SECTION REFER TO DRAWING 0481/GA/104
- THERE IS TO BE A 10-50mm MIXED GRADE GRAVEL BASE TO THE BYPASS CHANNEL TO PROVIDE A NEW NATURALISTIC RIVER BED.
- LAND DRAINS SEVERED DURING THESE WORKS ARE TO BE CONNECTED TO EITHER THE PROPOSED POND OR BYPASS CHANNEL VIA GRAVEL-FILLED TRENCH.
- REFER TO WSP DRAWING SK-006 FOR FURTHER DETAILS OF HATTONS ROAD SOUTH POND.

REV	DATE	BY	DESCRIPTION	CHK	APP
L	27/02/2015	RCG	ACCESS TRACK REVISED AT NORTHERN OUTFALL	AMC	AMC
K	17/12/2014	RJ	DETAILS AND NOTES AMENDED	AMC	AMC
J	10/12/2014	ACM	DRAWING STATUS UPDATED	AMC	AMC
I	07/07/2014	DSF	AMENDED DEPTH OF OVER DEEP SECTIONS FROM 300mm TO 500mm. AMENDED STATUS TO PLANNING.	RAH	AMC
H	02/05/2014	RAH	POND SHAPE AMENDED TO AVOID UNDERGROUND ELECTRICITY CABLES	RAH	AMC
G	23/04/2014	RJ	AMENDMENTS MADE TO NOTES	RAH	AMC
F	28/03/2014	RAH	AMENDMENTS FOLLOWING COMMENT FROM ECOLOGIST	RAH	AMC
E	17/03/2014	RAH	LOCATION OF ACCESS AMENDED	RAH	AMC
D	07/02/2014	RAH	WATER VOLE LEDGES AND KINGFISHER BANK ADDED, RIDGE AND FURROWS ADDED	RAH	AMC
C	16/12/2013	RAH	POND AND ACCESS GEOMETRY AMENDED, SECTIONS REMOVED TO DRAWING GA-103	RAH	AMC
B	02/12/2013	RAH	POND LAYOUT AMENDED	RAH	AMC
A	27/11/2013	RAH	FIRST ISSUE	RAH	AMC

DRAWING STATUS: PLANNING APPLICATION

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CLIENT: GALLAGHER ESTATES

ARCHITECT:

PROJECT: NORTHSTOWE PHASE 1 CAMBRIDGE
 TITLE: HATTON'S ROAD PONDS SOUTH POND GENERAL ARRANGEMENT

SCALE @ A1: 1:1000 CHECKED: RAH APPROVED: AMC
 CAD FILE: 0481-GA-102 DESIGN/DRAWN: RAH DATE: November 2013

PROJECT No: 50600481 DRAWING No: 0481-GA-102 REV: L

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Health and Safety Symbols Legend

- INDICATES A RESIDUAL RISK REQUIRING A COMPULSORY ACTION
- INDICATES A RESIDUAL RISK FOR INFORMATION
- INDICATES A RESIDUAL RISK REQUIRING A PROHIBITIVE ACTION
- INDICATES A RESIDUAL RISK AS A WARNING

Y:\0600481 - NORTHSTOWE PHASE 1 - DETAILED DESIGN\MODELS AND DRAWINGS\DEVELOPMENT\AUTOCAD\GA GENERAL ARRANGEMENT\0481-GA-102.DWG 27/02/2015 14:19:25 Gill, Rob