FOR CONTINUATION SEE DRAWING EC-RJ504876-101

R8 - RE-PROFILE ROAD OR PROVIDE GULLIES. POOR VISIBILITY AND HOLDING WATER ON INSIDE EDGE. SUBSTANTIAL DAMAGE TO HEDGE AND VERGE DUE TO WATER SPLASH DAMAGE

R10 - IMPROVE FLOW ROUTE THROUGH THESE SECTIONS TO DRAINS DOWN FURTHER. ACCESS TO PRIVATE LAND REQUIRED

R9 - DITCHES AND GRIPS TO BE RE-CUT

GOLF PUTTING GREEN

HOUSE ACCESS OVER DRY STREAM BED

SUMP AND PIPE HERE FROM FIELD

END OF DITCH

CONCRETE ROAD EDGE OPEN CULVERT

THROUGH WALL

R11 - IMPROVE FLOW ROUTE THROUGH THESE SECTIONS TO DRAINS DOWN FURTHER. ACCESS TO PRIVATE LAND REQUIRED

R13 - REGRADE STREAM BED TO IMPROVE FLOW

NO FLOODING

F(95)

1200Ø OUTLET

R14 - EXTEND HIGHWAY DRAINAGE SYSTEM TO DISCHARGE DOWNSTREAM OF CURRENT OUTFALL

R12 - LEVEL SURVEY REQUIRED. ACCESS TO PRIVATE LAND REQUIRED. OUTFALL APPEARS TO BE GOING UP HILL

FLOODED 3 TIMES BUT NOT 13/14. PUMPING?

BEYOND THIS POINT NO REAL ISSUE. FLOODED BUT NOT THAT PROBLEMATICAL

TANKED, FD AND PUMPED. SHOULD NOW BE OK

UPTON

IBTHORPE

FLOOD EFFECTS

- ROADS RUNNING FULL WIDTH AT VARYING DEPTH.
- MANY BUILDINGS AFFECTED BY RISING GROUNDWATER.
- SOME BUILDINGS LOCATED ON THE LINE OF EMERGING GROUNDWATER.
- NO CONTRIBUTING FLOW FROM RIVERS AND STREAMS.
- HIGHWAY DRAINS OVERWHELMED DUE TO OUTFALLS (SOAKAWAY) LEASING TO BE EFFECTIVE.

SUMMARY

- OVERWHELMINGLY A GROUNDWATER FLOODING ISSUE.
- POOR MAINTENANCE MAY HAVE CONTRIBUTED TO SOME SURFACE FLOWS BUT WOULD NOT HAVE PREVENTED GROUND WATER FLOODING EVEN IF CLEAR.
- PROPERTY LEVEL PROTECTION IS THE SOLUTION TO BUILDING FLOODING.
- INCREASING THE SPEED THAT FLOW CAN PASS THROUGH VERNHAM DEAN WILL REDUCE DEPTH OF STANDING WATER IN ROADS AND GARDENS.
- DRAINAGE UNDER NORMAL CONDITIONS IS VIA INFILTRATION.

ACTIONS

- REMOVE OBSTRUCTIONS TO NATURAL FLOW.
- CHECK LEVEL ON STABLE COTTAGE OUTFALL.
- CHASE EA/TVBC FOR LEVELS AROUND UPTON.

R14A - SILTED CULVERT TO BE CLEANED OUT

EMERGENCE OF GROUND WATER STREAM FLOWING FROM THIS POINT 04-02-16

PROPOSED BUND

R15 - CREATE FLOW ROUTE BY REDUCING LEVELS

R16 - PROPOSED FLOOD STORAGE

PROPOSED SLUICE

PROPOSED BUND

PROPOSED BUND

R17 - PROPOSED FLOOD STORAGE

PROPOSED SLUICE

PROPOSED BUND

FOR CONTINUATION SEE DRAWING EC-RJ504876-103

NOTES

1. DO NOT SCALE FROM THIS DRAWING, REFER TO FIGURED DIMENSIONS ONLY.
2. ALL DIMENSIONS IN MILLIMETRES AND ALL LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.

LEGEND

- **HIGH RISK** - CHANCE OF FLOODING 1 IN 30 YEAR (ANNUAL PROBABILITY IS 3.3% CHANCE OF FLOODING)
- **MEDIUM RISK** - CHANCE OF FLOODING BETWEEN 1 IN 100 AND 1 IN 30 YEAR (ANNUAL PROBABILITY IS BETWEEN 1% AND 3.3% CHANCE OF FLOODING)
- **LOW RISK** - CHANCE OF FLOODING BETWEEN 1 IN 1000 AND 1 IN 100 YEAR (ANNUAL PROBABILITY IS BETWEEN 0.1% AND 1% CHANCE OF FLOODING)
- EXISTING SOUTHERN WATER FOUL WATER SEWER AND MANHOLE
- EXISTING HIGHWAY SURFACE WATER DRAIN
- EXISTING CULVERT, DITCH AND GRIPS
- PROPOSED EARTH BUND
- PROPOSED CULVERT
- PROPOSED HIGHWAY DRAIN
- PROPOSED TEMPORARY FLOOD BARRIER
- PROPOSED NEW CUT DITCH
- 10m CONTOURS
- T+P TANKING AND PUMPING
- P HOUSE PUMPING
- F HOUSE FLOODED
- S SPRING (GROUNDWATER EMERGENCE)
- STF SEPTIC TANK FLOODING
- G PROPOSED GULLY
- R# COST REFERENCE. REFER TO SCHEDULE OF COSTS.

DRAFT

0 10 20 30 40 50 60 70 80 90 100 150
SCALE @ A0 1:2500 METRES
SCALE @ A2 1:5000

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ORDNANCE SURVEY 100019180

PARTS OF THIS DRAWING SHOULD BE IN COLOUR
IF THIS NOTE IS NOT RED, PLEASE CONTACT
simon.fryer@hants.gov.uk FOR COLOUR COPIES.

REV	AMENDMENTS	DATE	CAD	CHKD	APPD

CLIENT
HAMPSHIRE COUNTY COUNCIL
ECONOMY, TRANSPORT AND ENVIRONMENT DEPARTMENT
STRATEGIC TRANSPORT

CONSULTANT
Hampshire County Council Engineering Consultancy
STUART JARVIS BSc DipTP FCIHT MRTPI: DIRECTOR OF ECONOMY, TRANSPORT & ENVIRONMENT

DESIGNER	SF
CAD	MJL
CHECKED	
APPROVED	
SCHEME	BOURNE VALLEY FLOOD MANAGEMENT
JOB No. R_J504876.01	
SCALE @ A0	1:2500
DATE	07.04.2016
SHEET NUMBER	
DRAWING TITLE	GENERAL ARRANGEMENT SHEET 2 OF 4
HCC CAD PLOT: 03/5/2016 11:45:20	
DRAWING NUMBER	EC-RJ504876-102
REV	

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