

PAVING WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT LOCAL DESIGN GUIDE AND SPECIFICATION
CUTAWAYS BELOW PROPOSED AND EXISTING HIGHWAYS TO BE BACK FILLED WITH TYPE 1 SUB BASE AND WELL COMPACTED IN LAYERS NOT EXCEEDING 150MM, THEREAFTER AGREED.
LOCAL AUTHORITY TO BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT

LAND DRAINAGE
 POTABLE DRINKING WORKS AND MATERIALS TO BE IN ACCORDANCE WITH "SEWERAGE AND DRAINAGE ACTS" THE RELEVANT BRITISH / EUROPEAN AND YORKSHIRE WATER REQUIREMENTS AND CODES AND NITAMATED
 COVERED SHALL BE MADE HAVE A CLEAR OPENING OF 600MM AND SHALL BE CLASS 1 EN 124 WITH 150MM DEEP FURROWS IN HIGHWAYS.
 GROUND MUST BE FILLED AND CONSOLIDATED UNDER THE SUPERVISION AND TO THE SATISFACTION OF YORKSHIRE WATER. BEFORE ANY SEWERS WORKS ARE CARRIED OUT
 ANY WATER IS NOT OBLIGED TO ACCEPT FILTER DRAIN / LAND DRAINAGE RUNOFF IN
 A SEWER NETWORK OR ADAPTABLE DRAINAGE SYSTEM (DIRECTLY OR INDIRECTLY).
 THE BEST METHOD OF DISPOSAL OF THE LAND DRAINAGE RUNOFF WILL THEREFORE BE
 DETERMINED BY THE LOCAL AUTHORITY. THE LOCAL AUTHORITY WILL
 AND YOU WILL HAVE TO LIAISE WITH THE LOCAL AUTHORITY. LAND DRAINAGE SECTIONS
 SHALL CARRY THE 30 KITEMARK OR WILL BE SELECTED BY YORKSHIRE WATER.

WHERE THE CLEARING OF THE KITEMARKED PRODUCT IS DIFFERENT TO THE COVER AND FRAME, A LOADING BEARING SLAB SHOULD BE FITTED ABOVE THE COVER, REDUCING THE SIZE DOWN TO 600X900MM FOR THE YORKSHIRE WATER SPECIFIED COVER SIZE. REFER TO CONCRETE PIPE SYSTEMS ASSOCIATION (CPSA) TECHNICAL BULLETIN TBM 2004 FOR KITEMARKED COVER SLAB OPENING SIZES.

MANHOLE ACCESS COVER SLABS ARE NOW AVAILABLE WHICH MUST BE KITEMARKED FOR YORKSHIRE WATERS NETWORK.

PRECAST CONCRETE (PCC) AND PRECAST CONCRETE PRODUCTS MUST BE USED. LABORATORY REPORT PROVIDED PROVING THAT SUCH PRECASTS ARE NOT

ADDITIONAL NOTES:
1. ACCEPTABLE SEWERS SHOULD BE A MINIMUM OF 1M AND MANHOLES 0.5M FROM KERB OR PROPERTY MARGINS.
2. SEWERS MUST HAVE 6 METRES CLEARANCE FROM TREES AND HEDGES, REFER TO SFA FIGURE 10.1 FOR FURTHER RESTRICTIONS (ON TREE PLANTING) ADJACENT TO SEWERS.
3. SEWERS Laid IN CLASS "S" BEDDING (150MM GRANULAR BED AND SURROUND) WHERE DEPTH TO TOP OF SEWER IS LESS THAN 1.2M IN HIGHWAY AND VERGES (OR LESS THAN 0.6M IN OTHER VEHICULAR ACCESS AREAS) THEN A CONCRETE SLAB SHOULD BE PROVIDED IMMEDIATELY AROUND AND SURROUND.

TABLE SEWERS TO 850 KITEMARK: (CERTIFIED TO W64-4300).
 TABLE SEWER PIPES TO BE Laid IN MAXIMUM 3M LENGTHS UNLESS THERE IS A SPECIFIC
 NEED TO LAY LONGER LENGTHS. 12 BEDDING AND BACKFILL MATERIAL TO
 TO THE REQUIREMENT OF WATER INDUSTRY SPECIFICATION 4-08-02 (TABLE A2).
 CHANNEL SECTIONS IN MANHOLES ARE NOT ACCEPTABLE AND YORKSHIRE WATER
 FOR CLAYWARE CHANNEL IN MANHOLES. WE HAVE FOUND THAT PLASTIC CHANNEL
 SPLIT TO SET IN CONCRETE BECAUSE THEY FLOAT AND A SATISFACTORY FINISH
 OBTAINED ON THE BEDDING.
 MEMBER SIZE OF MANHOLES WITH MORE THAN ONE CONNECTION IN THEM MAY NEED

MADE AN INCREASE TO ACCOMMODATE THE CONNECTIONS AND RINGS.
HIRE WATER POLICY IS NOT TO ACCEPT TYPE "C" BRICK MANHOLES AND 1060MM Ø
RINGS. INSTEAD IT IS PREFERRED THAT YOU USE A TYPE "R" MANHOLE WITH 1200MM
Ø RINGS, WITH THE OPENING SITED OVER THE CHANNEL, WHERE DEPTH OF COVER
IS 1.5M.

THE PIPES SHOULD BE CLASS 120 TO EN 196 / BS 6911-1: 2002
SITION, LINE AND DIAMETER OF ALL EXISTING DRAINAGE APPARATUS SHOULD BE
ON SITE PRIOR TO THE COMMENCEMENT OF THE WORKS. ANY DISCREPANCIES
REPORTED TO THE ENGINEER IMMEDIATELY.

CONNECTION OF FLOOD SURFACE WATER DRAINAGE TO THE EXISTING PUBLIC SEWERAGE SYSTEM SHALL BE SUBJECT TO THE APPROVAL OF THE LOCAL SEWERAGE UNDERTAKER. THE CONTRACTOR IS EXPECTED TO APPLY FOR RELEVANT PERMITS PRIOR TO COMMENCING THE WORKS.

CHAMBER RINGS ARE ALLOWED ON THE ADOPTABLE NETWORK AND ARE TO BE USED WHERE APPROPRIATE.

THE LOCATION, LINE AND DIAMETER OF ALL EXISTING DRAINAGE APPARATUS SHOULD BE DETERMINED AND REPORTED TO THE COMMENCEMENT OF THE WORKS. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ENGINEER IMMEDIATELY.

THE COMMENCEMENT OF ANY WORKS UNDER GROUND MAPPING SURVEYS AND
PLANS IS TO BE REFERRED TO ANY DISCREPANCIES ARE TO BE REPORTED TO

AND SERVICES WHICH MAY BE AFFECTED BY THE PROPOSED WORKS SHOULD BE BY MEANS OF A HAND-TO-GLASS LIAISON WITH THE STATUTORY SERVICE. THE CONTRACTOR SHALL INFORM THE DEVELOPER OF ANY SERVICES THAT MAY BE AFFECTED BY THE PROPOSED WORKS. THE CONTRACTOR SHALL NOTIFY THE STATUTORY SERVICE AUTHORITIES OF THE COMMENCEMENT OF WORK. AS CONSTRUCTED INFORMATION IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE FOLLOWING AS CONSTRUCTED DRAWINGS TO THE DEVELOPER UPON THE COMPLETION OF THE WORKS COVERED BY THE CONTRACT. -

LEGEND

LEGEND

Drainage

Proposed adoptable Foul manhole

Proposed adoptable Storm manhole

F1

S1

ing adopted Storm manhole

di Drainage

te storm rodding eye

m dia. private inspection

ber. To be used where depth to
is 600mm or less

100mm dia. private inspection chamber.
Used where depth to invert is 1000mm or less. Reduced access fitting used at depths greater than 1200mm

225mm dia. Inspection manhole
Depth to invert is 1000 - 3000mm
To have a 600mm opening

Private drainage to be 100mm rigid pipe or 110mm flexible pipe unless
also shown Where 5 or more properties connect to the same private storm
sewer it should be marked by yellow circles unless the following are shown:

ALL PIPES SHOULD BE SPECIFIED FOR 200mm DIA. SLOPE SHALL BE 1% MINIMUM. PROVIDE TO LAYOUT TO SEE PIPES THAT MAY BE AFFECTED. ALL PRIVATE DRAINAGE TO HAVE A MINIMUM FALL OF 1:70. BEDDING SHOULD BE GRANULAR MATERIAL TO BS 882 : Part 2 of 1990 nominal single sized aggregate. RIGID PIPES OF NOMINAL SIZE 150mm AND SOFT FLEXIBLE PIPES SHOULD HAVE GRANULAR MATERIAL BEDDING TO BS 882 : Part 2 of 1990 nominal single sized aggregate or 14mm to 5mm graded aggregate.

OWNER LEVELS PROVIDE ARE FOR GUIDANCE AND ARE SUBJECT TO FINISHED

GROUND LEVELS

[illegible]

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KEEPMOAT HOMES

THURNSCOE PHASE 3

PRIVATE DRAINAGE

SHEET 2		
B	Checked ND	Date 15.09.2020

Scale	1:200 - A0	Rev.	-
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