

~~YW REF: H-3-263-726~~

DESIGNERS HAZARD IDENTIFICATION

IT IS ASSUMED THAT ALL WORKS WILL BE UNDERTAKEN BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT. IN ADDITION TO THE HAZARDS TYPICALLY ASSOCIATED WITH THE TYPES OF CONSTRUCTION DETAILED ON THIS DRAWING, ANY KNOWN ABNORMAL HAZARDS SPECIFIC TO THIS DRAWING HAVE BEEN IDENTIFIED.

**ABNORMAL
HAZARD
REFERENCE**

Notes

YORKSHIRE WATER GENERAL NOTES

1. ALL ADAPTABLE SEWER WORKS MATERIAL TO BE IN ACCORDANCE WITH SPECIFICATIONS FOR ADOPTION 6TH EDITION THE RELEVANT BRITISH /EUROPEAN AND YORKSHIRE WATERS STANDARDS/REQUIREMENTS/ADDENDUM TO THE MECHANICAL AND ELECTRICAL SPECIFICATION AND KITEMARKING IN ANY.
2. MANHOLE COVERS SHALL MUST HAVE A CLEAR OPENING 600mm AND BE CLASS 4/500 OR 124 TO 124 WITH A MINIMUM 100mm RISE IN ANY.
3. FILLED GROUND MUST BE FILLED AND CONSOLIDATED UNDER THE SUPERVISION, AND TO THE SATISFACTION YORKSHIRE WATER BEFORE ANY SEWER WORKS ARE CARRIED OUT.
4. ALL CVL SLS TO BE CLASSED TO EN 1916 BS EN5911-1:2002.
5. COVER SLABS MUST CARRY THE BS1 KITEMARK OR WILL BE REJECTED BY YORKSHIRE WATER INSPECTOR. WHERE THE CLEAR OPENING OF THE KITEMARKED PRODUCT IS DIFFERENT TO THAT THE COVER AND FRAME, A LOADING RATED SLAB SHOULD BE USED TO COVER THE COVER. THE COVER SHOULD BE DOWN TO 600mm x 600mm FOR THE YORKSHIRE WATER SPECIFIED COVER TYPE. PLEASE REFER TO TV C SYSTEMS ASSOCIATION (CPSA), TECHNICAL BULLETIN ISSUED AUTUMN 2004 FOR KITEMARKED COVER SLAB OPENING SIZES.
6. THE ADAPTABLE SEWER PIPES SHOULD BE A MINIMUM 1m FROM KERBS AND MANHOLES 0.5m FROM KERB FACES AND SERVICE MARCHES IN ANY.
7. SEWERS MUST HAVE 6 METERS CLEARANCE FROM TREES AND HEDGES, PLEASE ALSO REF TO PD 333 2.3 ON PAGE 39 IN SEWERS FOR ADOPTION 4TH EDITION FOR RESTRICTIONS ON TREE PLANNING (ADD TO SEWERS).
8. SEWERS TO BE LAID IN CLASS "B" BEDDING (150mm GRANULAR BED AND SURROUND), WHERE DEPTH COVER TO TOP OF THE SEWER IS LESS THAN 1.2m IN HIGHWAYS AND VERGES OR LESS THAN 900mm IN PESTERDIAL ONLY AREAS) THEN A COVERED SLAB SHOULD BE PROVIDED ABOVE THE GRANULAR BED AND SURROUND.
9. ALL ADAPTABLE SEWERS TO BE BS1 KITEMARK (CERTIFIED TO BS 54-35:01).
10. ADAPTABLE SEWER PIPES TO BE LAID IN MAXIMUM 3 METRE LENGTHS UNLESS THERE IS A SPECIFIC OPERATIONAL NEED TO LAY LONGER.
11. BEDDING AND BACKFILL MATERIAL TO CONFORM TO THE REQUIREMENTS WATER INDUSTRY SPECIFICATION 4-08-02 (TABLE A2).
12. PLASTIC CHANNEL SECTIONS IN MANHOLES ARE NOT ACCEPTABLE AND YORKSHIRE WATER WOULD PREFER CLAYWARE CHANNEL IN MANHOLES. YORKSHIRE WATER HAVE FOUND THAT PLASTIC CHANNELS ARE DIFFICULT TO SET IN CONCRETE BECAUSE THEY FLOAT AND A SATISFACTORY FINISH CANNOT BE OBTAINED ON THE BENCHING.
13. THE CHAMBER SIZE MANHOLES WITH MORE THAN ONE CONNECTION IN THEM MAY NEED AN INCREASED AN INCREMENT TO ACCOMMODATE THE CONNECTIONS AND BENDS.
14. YORKSHIRE WATER POLICY IS TO NOT ACCEPT TYPE "C" BRICK MANHOLES AND 1050mm DIA MANHOLE RINGS. INSTEAD IT IS PREFERRED THAT YOU USE TYPE "B" MANHOLES WITH 1200mm DIA OR 1050mm DIA RINGS, WITH THE OPENING SIZED OVER THE CHANNEL. WHERE DEPTH COVER TO PIPE SOFFIT IS 1.1-1.5m.
15. IF PLASTIC PIPES ARE USED TO NOT THEN THE FOLLOWING SHOULD APPLY:
A) ALL ADAPTABLE SEWERS TO BE BS1 KITEMARK (CERTIFIED TO BS EN 13476-1 AND BS 435-01 AND BS EN 13476-2 OR BS EN 13476-3).
B) PIPES LESS THAN OR EQUAL TO 5000 SHALL HAVE NOMINAL SHORT-TERM RING STRENGTH LESS THAN 20kN.
16. BEDDING AND BACKFILL MATERIAL TO CONFORM TO THE REQUIREMENTS WATER INDUSTRY SPECIFICATION 4-08-02 (TABLE A2).
17. YORKSHIRE WATER IS NOT OBLIGED TO ACCEPT FILTER DRAINLAND DRAINAGE RUN-OFF INTO THE PUBLIC SEWER NETWORK OR ADAPTABLE DRAINAGE SYSTEM (DRAINAGE INFLECTION) AND IF YOU DO NOT HAVE A PROPER DISPOSAL OF THE LAND DRAINAGE RUN-OFF WILL THEREFORE BE REQUIRED AND YOU WILL HAVE TO LIAISE WITH THE LOCAL AUTHORITY. LAND DRAINAGE SECTION WITH REGARDS TO THE CONSTRUCTION OF FILTER DRAIN AND DRAINLAND DRAINAGE.
18. SULPHATE RESISTANT CEMENT (C20/C25) AND PRECAST CONCRETE PRODUCTS MUST BE USED OR A LABORATORY REPORT PROVING THAT SUCH PRECAUTIONS ARE NOT NECESSARY.

GENERAL NOTES

19. ALL CONNECTIONS TO PROPOSED PUBLIC SEWERS TO BE A MINIMUM 150Ø.
20. ALL MANHOLES WITHIN DRIVES TO HAVE 8125 COVERS WITH CONCRETE COLLAR. MANHOLES LOCATED WITHIN THE HIGHWAY TO HAVE D400 COVERS.
21. ALL PRIVATE DRAINAGE WITHIN 1m TREES TO HAVE 150mm CONCRETE BED AND SURROUND.
22. ALL SURFACE WATER PIPEWORK TO BE 150Ø UNLESS NOTED OTHERWISE.
23. ALL FOUL WATER PIPEWORK TO BE 100Ø UNLESS NOTED OTHERWISE.

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13/02/17	PRELIMINARY ISSUE	KB	VB	P
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Project
**ST MARY'S AVE,
NETHERTHONG,
JONES HOMES**
Title
**PLOT DRAINAGE
(SHEET 1 OF 4)**

Scale	1:100	Drawn	KB	Checked	VB
Date	FEB'17	Status	PRELIMINARY		
Drg. No.	16293/011			Rev.	P3

