



RISK ASSESSMENT: SIGNIFICANT RISKS THAT CANNOT BE DESIGNED OUT	SUGGESTED ACTION
RISK	LEVEL OF RISK (Y/N/A)
DEEP EXCAVATIONS ASSOCIATED WITH DEEP DRAINAGE WORKS	HIGH ENSURE ALL EXCAVATIONS HAVE ADEQUATE TRENCH SUPPORTS AND ARE FENCED OFF TO PROTECT FROM FALLS.
HANDLING LARGE DIAMETER MANHOLE AND SOAKAWAY RINGS	HIGH USE CORRECT LIFTING EQUIPMENT AND ENSURE OPERATIVES WEAR THE CORRECT PERSONAL PROTECTIVE EQUIPMENT.
CONTACT WITH SERVICING/WORKING IN CONFINED SPACES	MEDIUM USE GAS DETECTOR/BREATHING EQUIPMENT AND ENSURE OPERATIVES WEAR THE CORRECT PERSONAL PROTECTIVE EQUIPMENT.
NOISE FROM MACHINERY	MEDIUM OPERATIVES TO WEAR THE CORRECT EAR PROTECTION.
EXCAVATIONS NEAR TO UTILITIES	HIGH UTILITY MAPS TO BE INSPECTED AND APPARATUS LOCATED USING APPROPRIATE EQUIPMENT PRIOR TO EXCAVATION.
EXCAVATIONS IN PUBLIC HIGHWAY	HIGH ENSURE ALL EXCAVATIONS HAVE ADEQUATE TRENCH SUPPORTS AND ARE FENCED OFF TO PROTECT FROM FALLS. ENSURE THE CORRECT SIGNAGE/TRAFFIC CONTROL IS USED.

KEY

- Existing Public sewer to be abandoned
- Existing Public foul sewers to remain
- Existing Public surface water sewer to remain
- Proposed adoptable surface water sewer
- Proposed adoptable foul sewer
- Proposed foul lateral
- Proposed surface water lateral
- Proposed gully
- Existing gully

NOTES

All drainage connection points to be located and checked for position and level prior to the commencement of any works.
STN GSM1
Ordnance Survey Grid & Datum
(Trimble GPS System GSW102)

- Sewers For Adoption Under a Section 104 Agreement
- All adoptable sewer works and material to be in accordance with the requirements of the Water Resources Act 1991 and the Water Industry Act 2004 and the Water (Effluent) Regulations 2003 and the Water (Effluent) Regulations 2003 and the Water (Effluent) Regulations 2003.
 - Manhole covers must have a clear opening of 600mm and shall be Class D400 to BS EN 124 with 150mm deep frames in highways.
 3. All gullies must be fitted and constructed under the supervision of a competent person.
 - Yorksline Water is not obliged to accept filter drainland drainage runoff into the public sewer network or adoptable drainage system directly or indirectly. An alternative method of disposal of land drainage runoff will be required. Please consult with the Local Authority and drainage Section.
 - Cover slabs must carry the BS1 Manufacturer or will be rejected by Yorksline Water. Where the clear opening of the filter drain product is different to that of the cover and frame, a locking sealing slab should be fitted above the cover slab to cover site. Please refer to CPSA Technical Bulletin Issued Autumn 2004 for Klemmated cover slab opening sizes.
 - Subsidence resistant current (C20-C25) and precast concrete products must be used or a laboratory report provided proving that such precasters are not.
 - The adoptable sewers should be a minimum of 7m and manholes 0.5m from kerb faces and service margins.
 - Sewers must have 5 metres clearance from trees and hedges, (please also refer to figure 2.3 page 35 in Sewers for Adoption 6th Edition for details).
 - Sewers to be laid in Class 'S' bedding (150mm granular bed & surround) and verges (or less than 500mm in non vehicular areas) then a concrete 10. Bedding and backfill material to conform to the requirements of Water Industry Specification 4-08-02 (Table A2)
 - The diameter size of manholes with more than one connection may and bands.
 - Yorksline Water policy is not to accept 'Type C' brick manholes and 1050mm dia manhole rings. Instead it is preferred that you use a 'Type B' over the standard where depth of cover to pipe outlet is 1.0-1.5m
 - Stone backfill is required to all sewer trenches under vehicular areas. As dug material may be used on other areas subject to the written approval of the drainage authority.
 - All pipework must be installed in accordance with the relevant requirements of BS EN 295-1: 1991
 - Minimum 300mm dia and above to be concrete pipe to comply with requirements of BS EN 295-1: 1991
 - Where a B125 cover and frame has been approved, this must not be coated in plastic and must have lifting eyes suitably sized to accommodate standard lifting keys. Screw down covers are not acceptable.

Preliminary

Avant Homes	25-26 10-12 15-17 18-19 20-21 22-23 24-25 26-27 28-29 30-31 32-33 34-35 36-37 38-39 40-41 42-43 44-45 46-47 48-49 50-51 52-53 54-55 56-57 58-59 60-61 62-63 64-65 66-67 68-69 70-71 72-73 74-75 76-77 78-79 80-81 82-83 84-85 86-87 88-89 90-91 92-93 94-95 96-97 98-99 100-101 102-103 104-105 106-107 108-109 110-111 112-113 114-115 116-117 118-119 120-121 122-123 124-125 126-127 128-129 130-131 132-133 134-135 136-137 138-139 140-141 142-143 144-145 146-147 148-149 150-151 152-153 154-155 156-157 158-159 160-161 162-163 164-165 166-167 168-169 170-171 172-173 174-175 176-177 178-179 180-181 182-183 184-185 186-187 188-189 190-191 192-193 194-195 196-197 198-199 200-201 202-203 204-205 206-207 208-209 210-211 212-213 214-215 216-217 218-219 220-221 222-223 224-225 226-227 228-229 230-231 232-233 234-235 236-237 238-239 240-241 242-243 244-245 246-247 248-249 250-251 252-253 254-255 256-257 258-259 260-261 262-263 264-265 266-267 268-269 270-271 272-273 274-275 276-277 278-279 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530-531 532-533 534-535 536-537 538-539 540-541 542-543 544-545 546-547 548-549 550-551 552-553 554-555 556-557 558-559 560-561 562-563 564-565 566-567 568-569 570-571 572-573 574-575 576-577 578-579 580-581 582-583 584-585 586-587 588-589 590-591 592-593 594-595 596-597 598-599 600-601 602-603 604-605 606-607 608-609 610-611 612-613 614-615 616-617 618-619 620-621 622-623 624-625 626-627 628-629 630-631 632-633 634-635 636-637 638-639 640-641 642-643 644-645 646-647 648-649 650-651 652-653 654-655 656-657 658-659 660-661 662-663 664-665 666-667 668-669 670-671 672-673 674-675 676-677 678-679 680-681 682-683 684-685 686-687 688-689 690-691 692-693 694-695 696-697 698-699 700-701 702-703 704-705 706-707 708-709 710-711 712-713 714-715 716-717 718-719 720-721 722-723 724-725 726-727 728-729 730-731 732-733 734-735 736-737 738-739 740-741 742-743 744-745 746-747 748-749 750-751 752-753 754-755 756-757 758-759 760-761 762-763 764-765 766-767 768-769 770-771 772-773 774-775 776-777 778-779 780-781 782-783 784-785 786-787 788-789 790-791 792-793 794-795 796-797 798-799 800-801 802-803 804-805 806-807 808-809 810-811 812-813 814-815 816-817 818-819 820-821 822-823 824-825 826-827 828-829 830-831 832-833 834-835 836-837 838-839 840-841 842-843 844-845 846-847 848-849 850-851 852-853 854-855 856-857 858-859 860-861 862-863 864-865 866-867 868-869 870-871 872-873 874-875 876-877 878-879 880-881 882-883 884-885 886-887 888-889 890-891 892-893 894-895 896-897 898-899 900-901 902-903 904-905 906-907 908-909 910-911 912-913 914-915 916-917 918-919 920-921 922-923 924-925 926-927 928-929 930-931 932-933 934-935 936-937 938-939 940-941 942-943 944-945 946-947 948-949 950-951 952-953 954-955 956-957 958-959 960-961 962-963 964-965 966-967 968-969 970-971 972-973 974-975 976-977 978-979 980-981 982-983 984-985 986-987 988-989 990-991 992-993 994-995 996-997 998-999 1000-1001 1002-1003 1004-1005 1006-1007 1008-1009 1010-1011 1012-1013 1014-1015 1016-1017 1018-1019 1020-1021 1022-1023 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