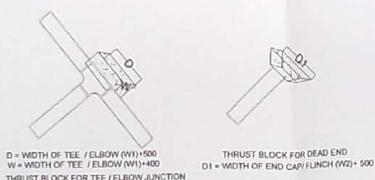
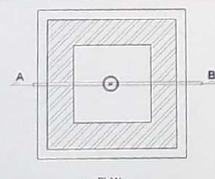
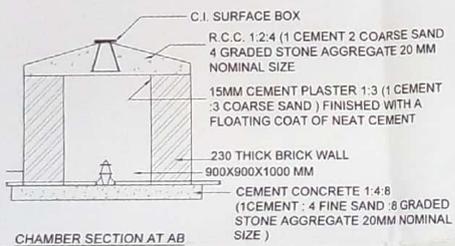
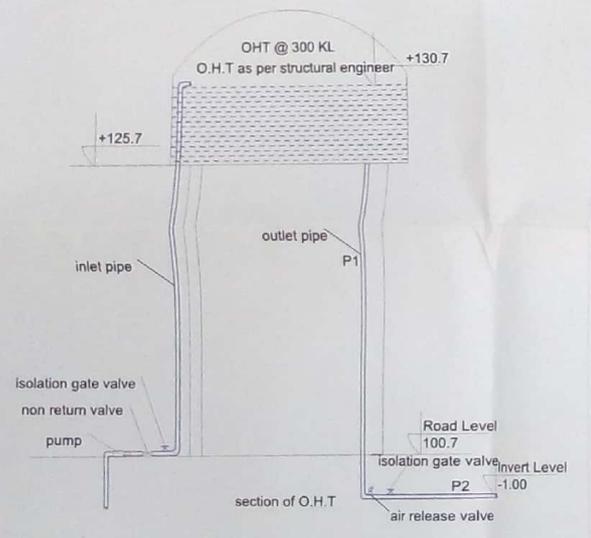


IS CODE 12288 CODE OF PRACTICE FOR LAYING PIPES



Pipe No	Material	Length (Meters)
P1	80 mm cPVC IS 15778	25.0
P2	80 mm cPVC IS 15778	5.0
P3	80 mm cPVC IS 15778	32.4
P4	65 mm cPVC IS 15778	183.7
P5	65 mm cPVC IS 15778	8.1
P6	65 mm cPVC IS 15778	32.4
P7	65 mm cPVC IS 15778	8.6
P8	65 mm cPVC IS 15778	30.4
P9	65 mm cPVC IS 15778	8.6
P10	65 mm cPVC IS 15778	36.4
P11	65 mm cPVC IS 15778	8.6
P12	65 mm cPVC IS 15778	182.7
P13	65 mm cPVC IS 15778	8.6
P14	65 mm cPVC IS 15778	36.4
P15	65 mm cPVC IS 15778	8.6
P16	65 mm cPVC IS 15778	30.4
P17	65 mm cPVC IS 15778	8.6
P18	65 mm cPVC IS 15778	32.4
P19	65 mm cPVC IS 15778	27.7
P20	65 mm cPVC IS 15778	3.0
P21	65 mm cPVC IS 15778	182.7
P22	65 mm cPVC IS 15778	182.7
P23	65 mm cPVC IS 15778	74.8
P24	65 mm cPVC IS 15778	74.8
P25	65 mm cPVC IS 15778	74.8
P26	65 mm cPVC IS 15778	74.8
P27	65 mm cPVC IS 15778	74.8
P28	65 mm cPVC IS 15778	74.8
P29	65 mm cPVC IS 15778	74.8
P30	65 mm cPVC IS 15778	74.8
P31	65 mm cPVC IS 15778	30.5
P32	65 mm cPVC IS 15778	173.9
P33	65 mm cPVC IS 15778	33.4
P34	80 mm cPVC IS 15778	156.4



Brick work in cement mortar 1:5 (1 cement 5 fine sand) 200 mm thick with brick of class 75 sub clause A or
 150mm thick walls of R.C.C. 1:2:4 (1 Cement 2 coarse sand 4 graded stone aggregate 20 mm nominal size) or
 200 mm cast in situ in plain cement conc. walls in 1:2:4 (1 cement 2 coarse sand 4 graded stone aggregate 20 mm nominal size) or
 300 mm thick wall of squared rubble masonry course (2nd sort in cement mortar 1:6 (1 cement 6 coarse sand))

- Note:-
- All dimensions are in metric system unless otherwise stated.
 - Position of valves are indicative in nature only, location is to be selected on required pipe as per site and traffic condition by contractor, in consultation with chief engineer.
 - All cast ends are to be fitted with suitable air release valves as per following up to 153 mm dia pipe 12 mm, from 200 mm & above to 300 mm dia 25 mm air release valves.
 - All all board crossing pipes to be protected by reinforced concrete to sustain 40 ton axle load.
 - All laying of spec. pipe should meet IS 800: 2000.
 - Tracing of pipe line are to be done as 1:1 cm of depth pressure-Lt. 30 m water column or to the satisfaction of the in-charge.

Design of Thrust block at change in alignment up to 90 degree All in kg of each 100 kg/cm²

Nominal Pipe Size (mm)	Outside Diameter (mm)	Width of block (mm)	Height of block (mm)	Length of block (mm)
2	2.375	0.4	0.4	0.6
2.1/2	2.875	0.4	0.4	0.7
3	3.5	0.4	0.4	0.7
4	4.5	0.4	0.4	1.2
6	6.625	0.45	0.45	1.1
8	8.625	0.5	0.5	1.2
10	10.75	0.55	0.55	1.4

Reinforcement required: 10 mm bar at 200 mm c/c

Legend

	Scour Valve	3" cPVC pipe
	Air Release Valve	2 1/2" cPVC pipe
	Gate Valve	2 1/2" cPVC pipe

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Checked By: Anant K. Pandey</p>	<p>Current Version No.:- Version No.:- Ver: 1 Date of version:- 18/04/2017 Description:- Water supply</p>	<p>Technical Notes:- NORTH Drawing Title: WATER SUPPLY Project Name: SANGAR VILLY (PHASE) Signature/Issued By: SANGAR VILLY (PHASE) CONSULTANT: DINKAR SANGAR VILLY CHARTERED ENGINEER</p>
	<p>For engineering details please refer to see attached calculations. All structural detail are suggestive in nature and are need to have revision by structural engineers.</p>	<p>Project Management Consultant (P.M.C.) 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, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 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, </p>		