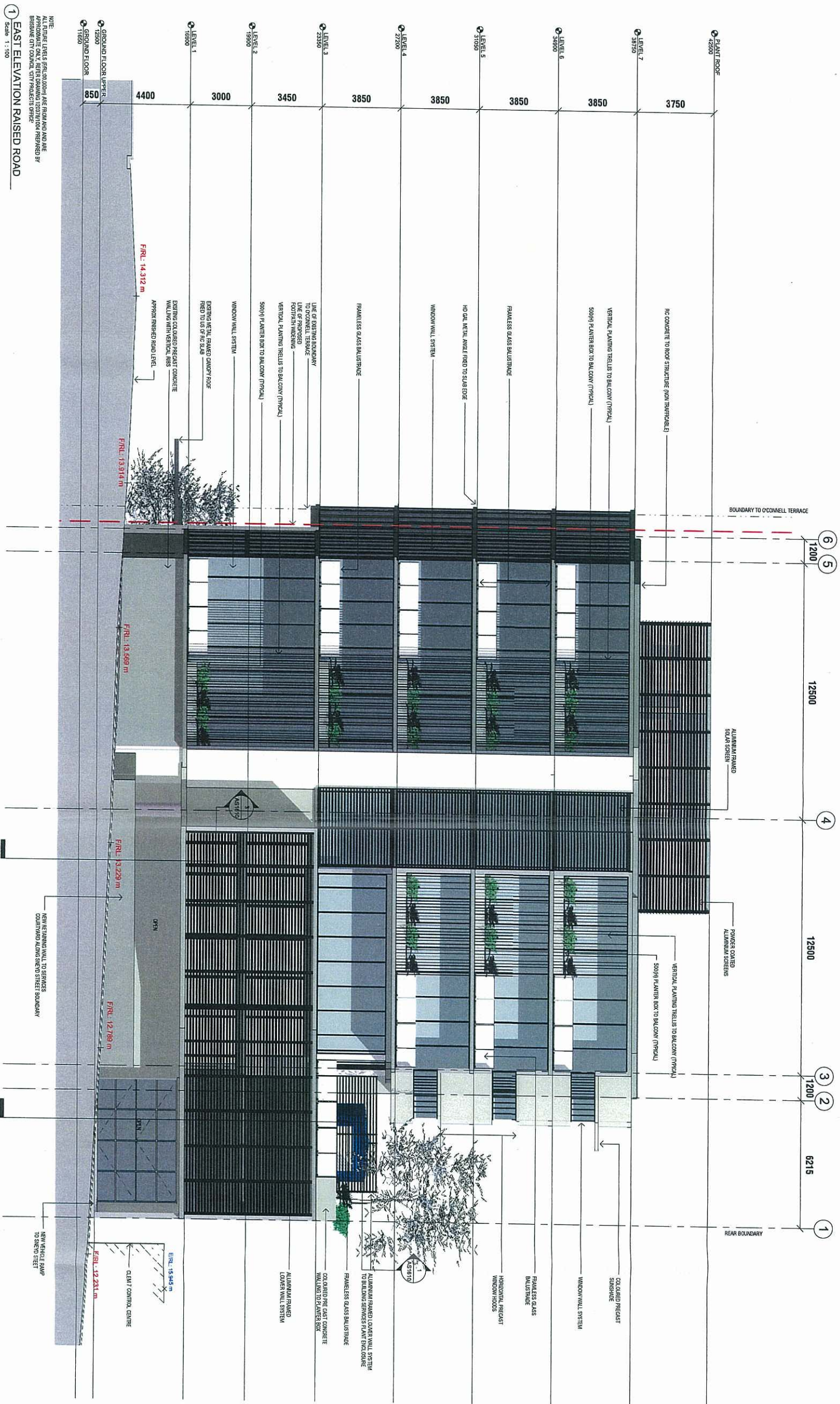




PLANS AND DOCUMENTS
referred to in the ULDA
APPROVAL dated 19/3/12

EVANS STREET
(INNER CITY BY PASS TUNNEL)

SECURITY
FENCE

SECURITY
GATE

BINS

FIRE SER

RAMP UP TO TCC GARAGE

TCC GARAGE

TCC SPARES STORE

DEEP PLANTING
SCREEN PLANTING TO
SUBSTATION FACADE

TCC WORKSHOP

TCC LV SWITCH ROOM

TCC LV SWITCH ROOM

SERVICES LOBBY

ENERGEX SUBSTATION

ENERGEX SUBSTATION

SMALL SUBTROPICAL
STREET TREE PLANTING

TENNANCY SR

LOBBY
X: 10.12300 m

LIFT 1
LIFT 2
LIFT 3

STAIR 2

MDF

END OF TRIP FACILITIES

CAFE

INSITU CONCRETE SEATING
WALL ALIGNED ON FUTURE ROAD
WIDENING BOUNDARY

CAFE WITH BENCH SEATING

O'CONNELL TERRACE

ARCHITECTURAL AWNING/
VINE ARBOR OVER PLANTED
SUBTROPICAL VINES TO CREATE
DAPPLED SHADE

EQUITABLE ACCESS RAMP.
S.S. HANDRAILS
FRAMELESS GLASS
TACTILE INDICATORS

EXPOSED AGGREGATE
CONCRETE FOOTPATH TO
BCC STREETSCAPE DESIGN
GUIDELINES

PLANS AND DOCUMENTS
referred to in the ULDA
APPROVAL dated 19 / 3 / 12
LOW MAINTENANCE SUBTROPICAL PLANTING
TEXTURAL/ARCHITECTURAL FOLIAGE TO
SOFTEN SOLID BUILDING FACADE



New Tunnel Control Centre O'Connell Terrace Bowen Hills
Landscape Concept - Ground Floor

FOR DEVELOPMENT APPLICATION

Scale 1:100 @ A1 | 22 November 2011 | Drawing No. TC-10 (6-SK-00-0025)

RPS

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900mm HIGH RAISED PLANTERS WITH LOW MAINTENANCE
SUBTROPICAL PLANTING. TEXTURAL/ARCHITECTURAL FOLIAGE
TO SOFTEN VIEW TO ADJACENT CLEM 7 VENT BUILDING

ARCHITECTURAL SCREEN TO
NON ACCESSIBLE DECK

ARCHITECTURAL FENCE TO
EDGE OF PODIUM PLANTER

GRAVEL PAVING TO
NON ACCESSIBLE DECK

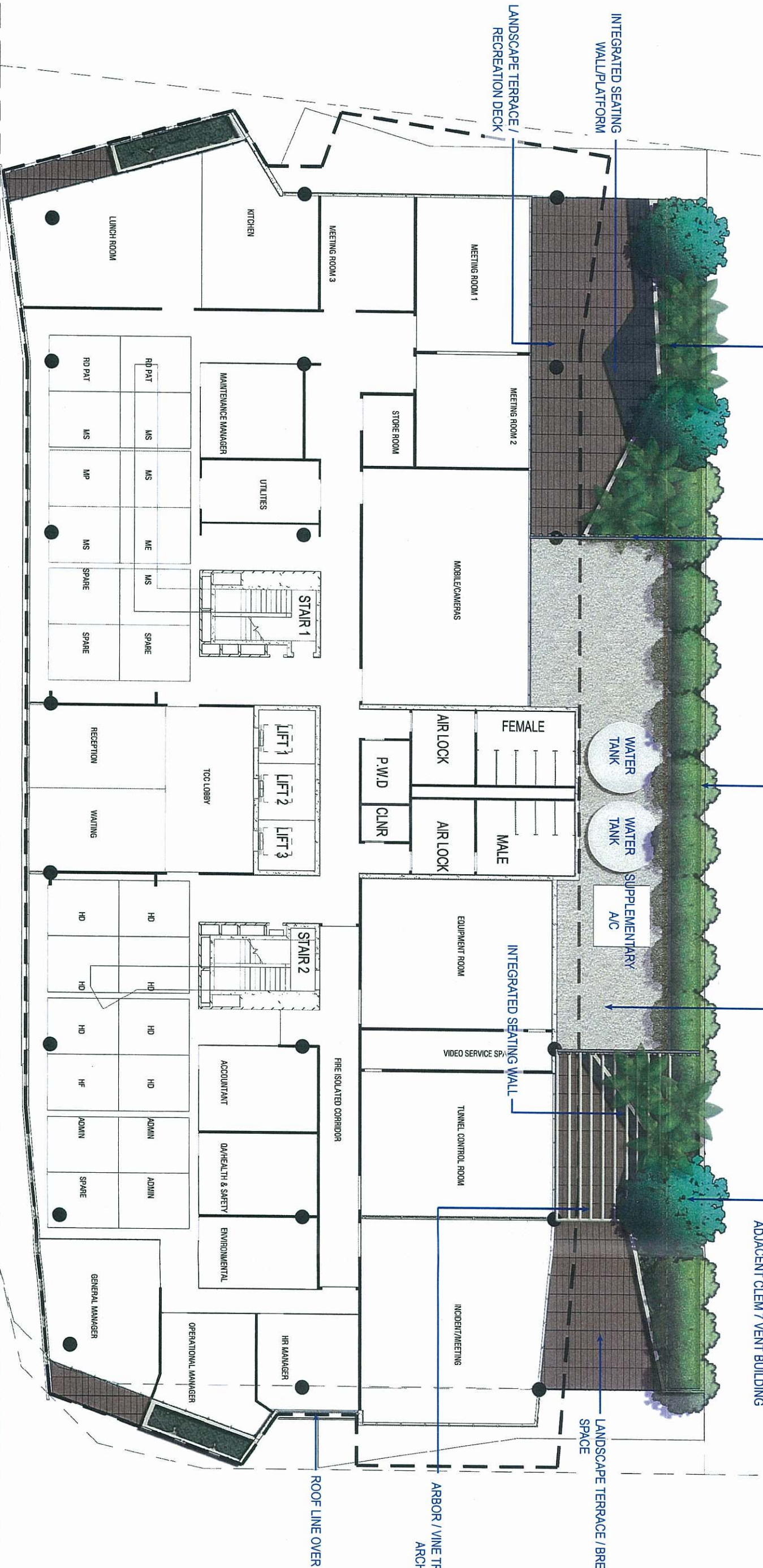
900mm HIGH RAISED PLANTERS WITH LOW MAINTENANCE
SUBTROPICAL PLANTING.
TEXTURAL/ARCHITECTURAL FOLIAGE TO SOFTEN VIEW TO
ADJACENT CLEM 7 VENT BUILDING

INTEGRATED SEATING
WALL/PLATFORM

LANDSCAPE TERRACE /
RECREATION DECK

LANDSCAPE TERRACE / BREAKOUT
SPACE

ARBOR / VINE TRELLIS OVER TO
ARCHITECT'S DETAIL



LEVEL 3 - LANDSCAPE TERRACE

PLANS AND DOCUMENTS
referred to in the ULDA
APPROVAL dated 19 / 3 / 12



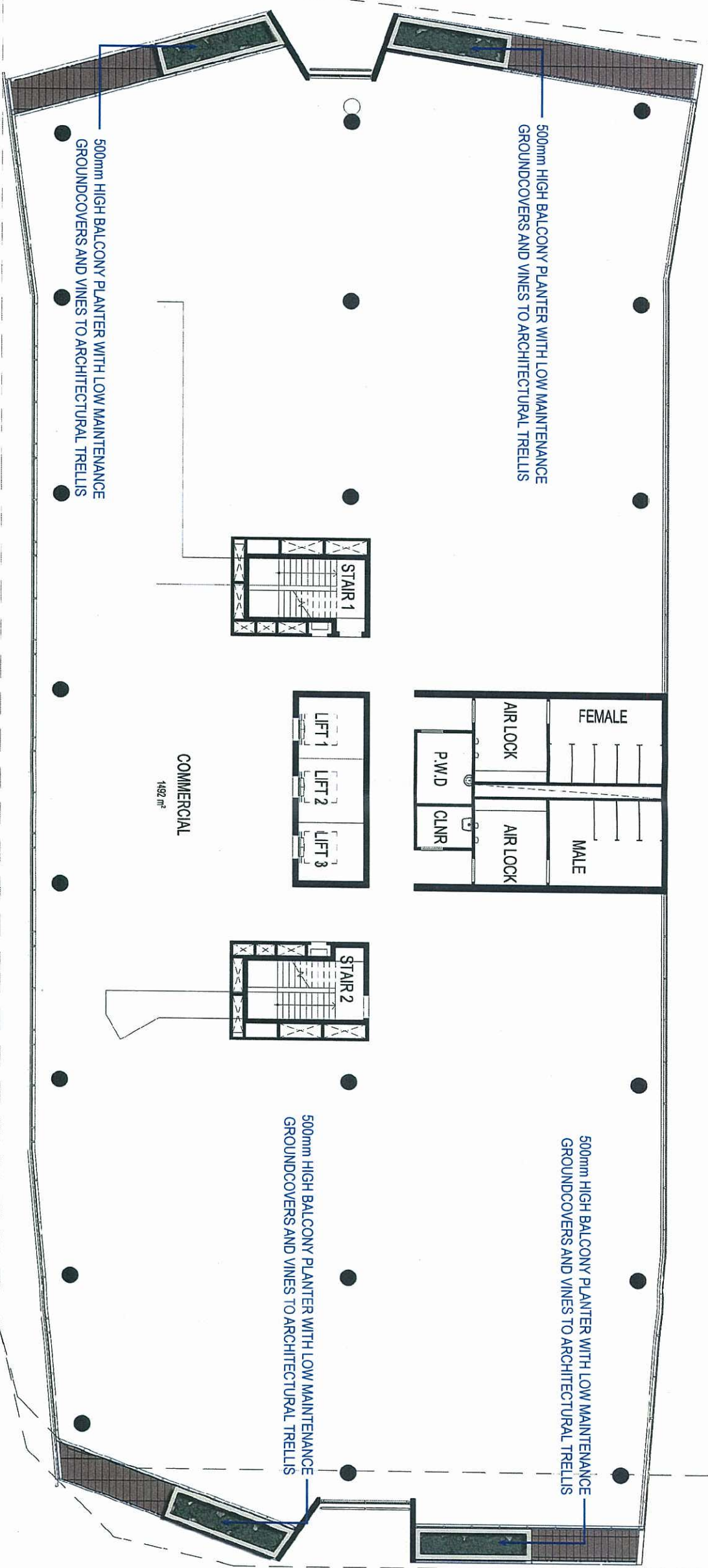
New Tunnel Control Centre O'Connell Terrace Bowen Hills
Landscape Concept - Level 3

FOR DEVELOPMENT APPLICATION

Scale 1:500 (A1) | 13 November 2011 | Drawing No. TC-1016-SK-00-0026

RPS

RPS Australia Pty Ltd
ABN 48 142 282 782
Suite 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, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

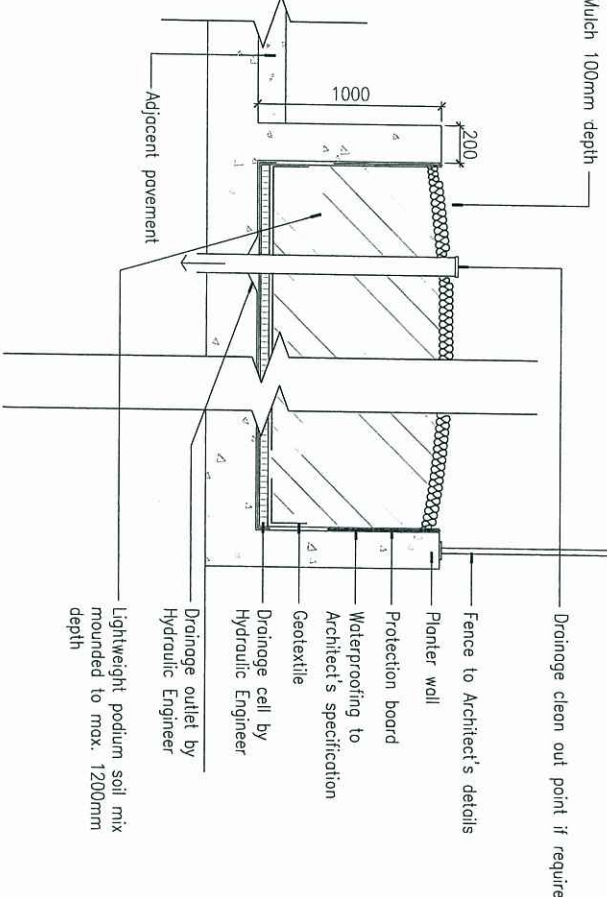


TYPICAL LEVEL 4 - 6 BALCONY PLANTERS

PLANS AND DOCUMENTS
referred to in the ULDA
APPROVAL dated 19/3/12

PLANT SCHEDULE				
SPECIES NAME	COMMON NAME	PROPOSED LOCATION		
TREES		STREETSCAPE	LANDSCAPE TERRACE	BALCONY PLANTERS
AGATHIS ROBUSTA	KAURI PINE	X		
BAMBUSA TEXTILIS VAR GRACILIS	SMALL WEAVERS BAMBOO	X	X	
ELAEOCARPUS EUMUNDII	QUANDONG	X		
ELAEOCARPUS RETICULATUS	BLUEBERRY ASH	X	X	
PLUMERIA OBUSA	EVERGREEN FRANGIPANI	X	X	
PTYCHOSPERMA MACARTHURI	MACARTHUR PALM	X	X	
RIAPHIS EXCELSA	RIAPHIS PALM	X	X	
SYZYGIIUM JAMBOS	ROSE APPLE	X	X	
XANTHOSTEMON CHRYSANTHUS	GOLDEN PENDA	X	X	
SHRUBS				
AGAVE ATTENUATA	AGAVE		X	
ALPYNIA ARUNDELLIANA	NATIVE GINGER		X	
CODIAEUM VARIETES	CROTON		X	
CYCAS REVOLUTA	CYCAS	X		
DIANELLA STRIPY WHITE	VAREGATED DIANELLA	X		
DIETES BICOLOR	FORTNIGHT LILY	X		
DORYANTHES EXCELSA	GYMEA LILY		X	
DRACEA MARGINATA	DRACEA	X	X	
FURCRAEA FOETIDA	MAURITIUS-HEMP	X	X	
HYMENOCALLIS LITTORALIS	SPIDER LILY	X	X	
LEPTOSPERMUM MADRIDUM	WEEPING TEA TREE		X	
LIRIOPE MUSCARI	TUFF LILY	X		X
MYOPORIUM PARVIFOLIUM	CREEPING BOOBIALLA	X	X	
PHILODENDRON CONGO ROJO	PHILODENDRON	X	X	
PHILODENDRON XANDU	WEEPIING LILLY PILLY	X	X	X
SYZYGIIUM CASCADE		X	X	
TULBAGHIA VIOLACEA	SOCIETY GARLIC	X		
YUCCA ELEPHANTIPES	YUCCA		X	
GROUNDCOVERS				
ANTIGNON LEPTOPUS	CORAL VINE			X
APIANOPELALUM RESINOSUM	GUM VINE			X
CISSUS RHOMBIFOLIA	GRAPE IVY	X		X
IPOMOEIA HORSFALLIAE	WONGA VINE	X		X
PANDOREA JASMINODES		X		X
THUNBERGIA MYSORENSIS	INDIAN CLOCK VINE	X		

PLANS AND DOCUMENTS referred to in the ULDA APPROVAL dated 19 / 3 / 12

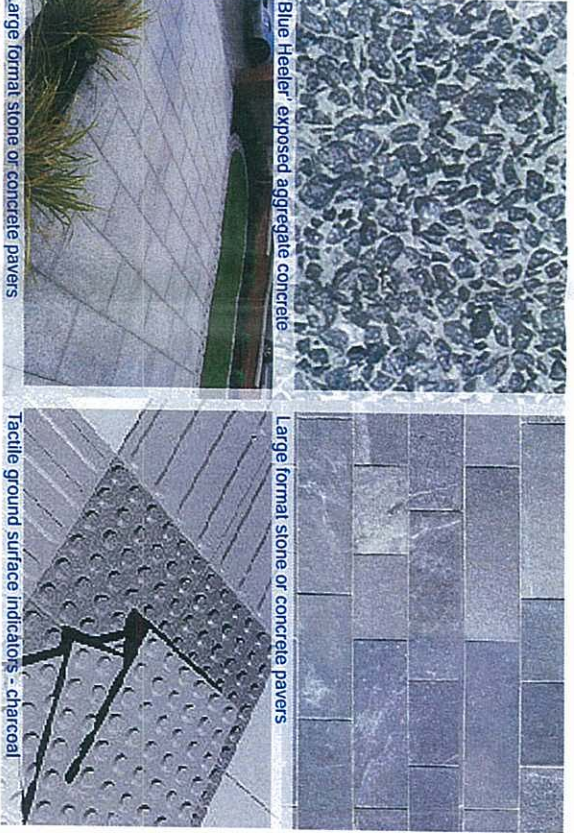


TYPICAL PLANTER DETAIL

New Tunnel Control Centre O'Connell Terrace Bowen Hills Option C Plant Palette and Specifications

FOR DEVELOPMENT APPLICATION

INDICATIVE PAVEMENT PALETTE



TREES & PALMS



SHURBS, GROUNDCOVERS & CLIMBERS



OUTLINE SOFT LANDSCAPE SPECIFICATION NOTES

1. GENERAL
Scope of works as shown on drawings. All work to be carried out by suitably qualified tradesmen with experience in Landscape Construction works. All planting works are to be carried out by a QAL1 Registered Landscape Contractor.
2. CULTIVATION
All at grade garden areas cultivated to a depth of 150mm prior to the spreading of topsoil.
3. TOPSOIL
Standards: To AS 4419-2003 'Soils for landscaping and garden use'.
Minimum depths:
To raised garden bed planters - min. 900mm depth. Lightweight podium soil mix.
To balcony planters - 400mm depth. Lightweight podium soil mix.
To garden beds - 300mm depth.
To tree holes and pits - 1.5 x rootball diameter and 2 x rootball depth.
4. MULCHING
Standards: to AS4454 'Composts, soil conditions and mulches'.
Provide 25mm graded Hoop Pine mulch from an accredited mulch supplier. Place mulch to the required depth, clear of plant stems, and rake to an even surface flush with the surrounding finished levels. Spread and roll mulch so that after settling, or after rolling, it is smooth and evenly graded between design surface levels sloped towards the base of plant stems in plantation beds, and not closer to the stem than 50mm. Mulch depth to be 100mm.
5. PLANTING
Supply plants in weed-free containers of the required size. Open rooted stock is not to be supplied. All plants are to be healthy, vigorous, and hardened off suitable for planting in the climatic conditions prevailing at the site.
6. SHRUBS AND GROUNDCOVERS
Shrubs and groundcovers shall provide complete coverage of planting areas at maturity Minimum sizes:

Shrubs	- 200mm stock
Groundcovers & vines	- 140mm stock
Specimen and screening plants	- 300mm stock
7. TREE SUPPLY
Selection, installation and maintenance of all trees will be of the highest quality. All trees will be obtained from a QAL1 registered supplier with an Australian Standards Approved Quality Assurance System. Trees will conform with Natspec Guidelines of Growing Trees. Tree will conform to the requirements of 'PLANTING'. Trees are to be single trunked with a vigorous central leader, and health branching structure, consistent with the species or variety.

Staking: Provide stakes and ties as required to support and protect trees.	
25L trees - 1no. 25 x 25 x 2100mm hardwood stakes	45L trees - 2no. 25 x 25 x 2100mm hardwood stakes
100L tree - 3no. 50 x 50 x 2100mm hardwood stakes	Stakes to be embedded 600mm into the ground as per details
400L / ex ground trees - subsurface guying system	Platipus anchor system or similar
8. DRAINAGE
All garden beds and planting beds shall be drained with a sub-surface drainage layer connected to the stormwater network.
Surface runoff shall be directed towards garden beds, where water quality is conducive to plant growth.
9. IRRIGATION
Design, documentation and installation will incorporate all the relevant Australian and industry standards to provide to the Client a professional standard, full operational, and industry compliant irrigation system. The water supply for the irrigation system will be a dedicated storage tank and pressure pump located in accordance with the Hydraulic Engineer's drawings. The automatic irrigation system is designed as a system of separate zones to achieve a more accurate level of watering. Where applicable the use of pressure compensated subsurface drip irrigation will be utilised to minimise water wastage via evaporation and/or runoff. It is anticipated that the irrigation controls package will be coupled with a variety of sensors which will allow for control of the irrigation system utilising up to date weather information, such as rain fall volumes, wind and evaporation rates.
10. SAMPLES
Provide representative samples of all materials to be used in the landscape works (soil and mulch) a minimum of 15 working days prior to their incorporation into the works. All plant material is to be available for inspection and approval prior to delivery to site.
11. ESTABLISHMENT AND DEFECTS LIABILITY
An establishment period of 12 weeks from the date of practical completion shall apply to landscape softworks. Throughout the planting establishment period, carry out maintenance work including, watering, weeding rubbish removal, fertilising, pest and disease control, staking and tying, replanting, cultivating, pruning, hedge clipping, reinstatement of mulch, renovating, and keep the site clean and tidy. A defects liability period of 12 months from the date of practical completion shall apply to all landscaped works.

Scale: 1:100@A1 | 15 November 2011 | Drawing No.: TC-1016 SK-00-0028

