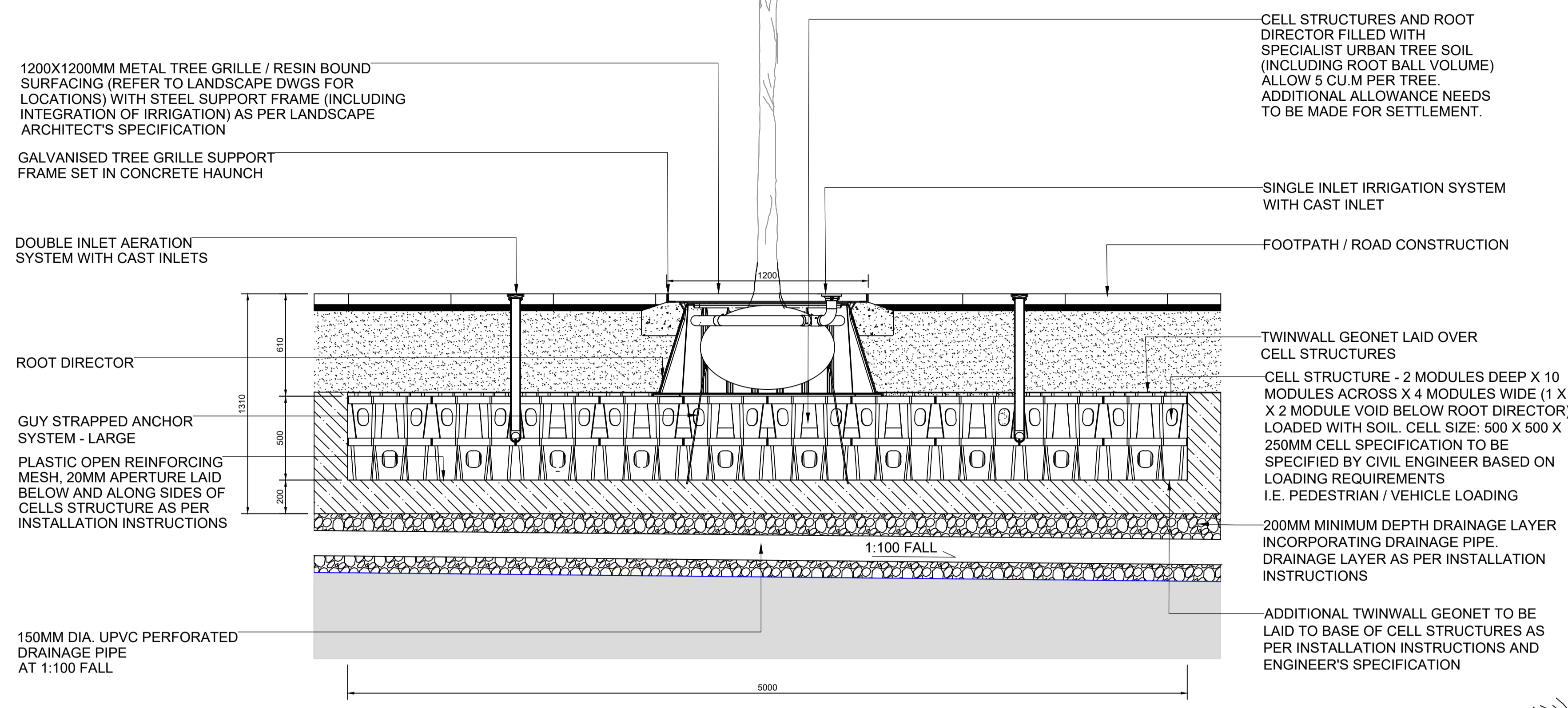


Last saved by: SANGHERA/2024-09-19 | Last Plotted: 2024-09-19 | File name: \\NA.AECOM\NET.COM\LS\EME\AD\BUBLIN\IEDBL\LEGACY\IEDBL\1FP001-V1\PC\DP\TECH\AECOM\PROJECTS\2020\LDA_DUNDRUM\900_CAD_GIS\906-HARD_LANDSCAPE_TREE_PIT\ACM-00-ST-DR-L-7000.dwg | Plotter: HP DesignJet 4000 | Plot Scale: 1:20 @ A1 | ISO A1 594mm x 841mm | DUNDRUM CENTRAL DEVELOPMENT | DUNDRUM ROAD, DUBLIN 14 | PROJECT NUMBER: 60588099 | SHEET TITLE: TYPICAL SOFTSCAPE DETAILS 1/3 | SHEET NUMBER: DSRM-ACM-00-ST-DR-L-7000 | AECOM | 01 7000 | SCALE 1:20 @ A1 |

NOTE:
STRUCTURAL ENGINEER'S NOTE:
 CBR OF FORMATION LEVEL TO BE APPROVED BY ENGINEER.



01
7000 TYPICAL TREE PIT IN HARD LANDSCAPE DETAIL
 SCALE 1 : 20@A1

CELL STRUCTURES AND ROOT DIRECTOR FILLED WITH SPECIALIST URBAN TREE SOIL (INCLUDING ROOT BALL VOLUME) ALLOW 5 CU.M PER TREE. ADDITIONAL ALLOWANCE NEEDS TO BE MADE FOR SETTLEMENT.

SINGLE INLET IRRIGATION SYSTEM WITH CAST INLET

FOOTPATH / ROAD CONSTRUCTION

TWINWALL GEONET LAID OVER CELL STRUCTURES

CELL STRUCTURE - 2 MODULES DEEP X 10 MODULES ACROSS X 4 MODULES WIDE (1 X 2 X 2 MODULE VOID BELOW ROOT DIRECTOR) LOADED WITH SOIL. CELL SIZE: 500 X 500 X 250MM CELL SPECIFICATION TO BE SPECIFIED BY CIVIL ENGINEER BASED ON LOADING REQUIREMENTS I.E. PEDESTRIAN / VEHICLE LOADING

200MM MINIMUM DEPTH DRAINAGE LAYER INCORPORATING DRAINAGE PIPE. DRAINAGE LAYER AS PER INSTALLATION INSTRUCTIONS

ADDITIONAL TWINWALL GEONET TO BE LAID TO BASE OF CELL STRUCTURES AS PER INSTALLATION INSTRUCTIONS AND ENGINEER'S SPECIFICATION

1200

610

5000

1:100 FALL

150MM DIA. UPVC PERFORATED DRAINAGE PIPE AT 1:100 FALL

DOUBLE INLET AERATION SYSTEM WITH CAST INLETS

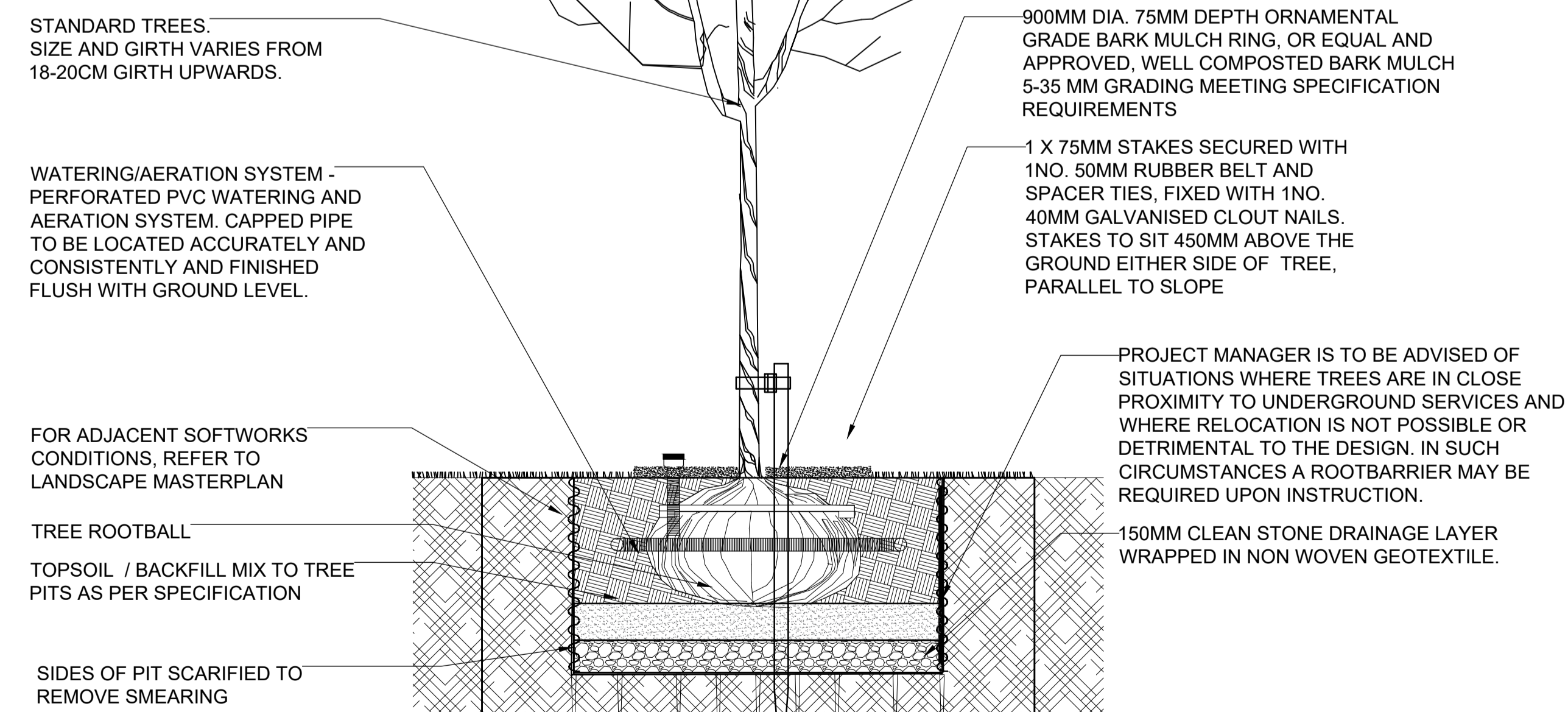
GALVANISED TREE GRILLE SUPPORT FRAME SET IN CONCRETE HAUNCH

1200X1200MM METAL TREE GRILLE / RESIN BOUND SURFACING (REFER TO LANDSCAPE DWGS FOR LOCATIONS) WITH STEEL SUPPORT FRAME (INCLUDING INTEGRATION OF IRRIGATION) AS PER LANDSCAPE ARCHITECT'S SPECIFICATION

ROOT DIRECTOR

GUY STRAPPED ANCHOR SYSTEM - LARGE

PLASTIC OPEN REINFORCING MESH, 20MM APERTURE LAID BELOW AND ALONG SIDES OF CELLS STRUCTURE AS PER INSTALLATION INSTRUCTIONS



02
7000 TYPICAL TREE PIT IN SOFT LANDSCAPE DETAIL
 SCALE 1 : 20@A1

STANDARD TREES. SIZE AND GIRTH VARIES FROM 18-20CM GIRTH UPWARDS.

WATERING/AERATION SYSTEM - PERFORATED PVC WATERING AND AERATION SYSTEM. CAPPED PIPE TO BE LOCATED ACCURATELY AND CONSISTENTLY AND FINISHED FLUSH WITH GROUND LEVEL.

FOR ADJACENT SOFTWARES CONDITIONS, REFER TO LANDSCAPE MASTERPLAN

TREE ROOTBALL

TOPSOIL / BACKFILL MIX TO TREE PITS AS PER SPECIFICATION

SIDES OF PIT SCARIFIED TO REMOVE SMEARING

900MM DIA. 75MM DEPTH ORNAMENTAL GRADE BARK MULCH RING, OR EQUAL AND APPROVED. WELL COMPOSTED BARK MULCH 5-35 MM GRADING MEETING SPECIFICATION REQUIREMENTS

1 X 75MM STAKES SECURED WITH 1NO. 50MM RUBBER BELT AND SPACER TIES, FIXED WITH 1NO. 40MM GALVANISED CLOUT NAILS. STAKES TO SIT 450MM ABOVE THE GROUND EITHER SIDE OF TREE, PARALLEL TO SLOPE

PROJECT MANAGER IS TO BE ADVISED OF SITUATIONS WHERE TREES ARE IN CLOSE PROXIMITY TO UNDERGROUND SERVICES AND WHERE RELOCATION IS NOT POSSIBLE OR DETRIMENTAL TO THE DESIGN. IN SUCH CIRCUMSTANCES A ROOTBARRIER MAY BE REQUIRED UPON INSTRUCTION.

150MM CLEAN STONE DRAINAGE LAYER WRAPPED IN NON WOVEN GEOTEXTILE.



PROJECT
 Proposed Part 10 Residential Development,
 Dundrum Central Development, Dundrum
 Road, Dublin 14

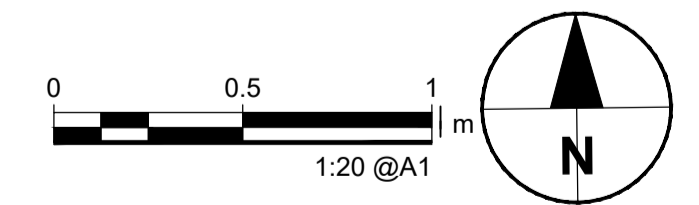
APPLICANT DETAILS
 Dun Laoghaire-Rathdown County Council



AGENT DETAILS
 Land Development Agency

CONSULTANT
 AECOM Ireland Limited
 Regus House, Harcourt Centre,
 Block 4 Harcourt Rd, Saint Kevin's,
 Dublin, D02 HW77
 01 676 3671 tel

ISSUE/REVISION		
I/R	DATE	DESCRIPTION
P5	19.09.24	Final Planning Issue/LDA comments
P4	04.09.24	Final Planning Issue
P3	02.08.24	Draft Issue for LDA Comment
P2	11.07.24	Draft for DLRC Comment
P1	07.06.24	Draft For Comment
I/R	DATE	DESCRIPTION



PROJECT NUMBER
 60588099

SHEET TITLE
 TYPICAL SOFTSCAPE DETAILS 1/3

SHEET NUMBER
 DSRM-ACM-00-ST-DR-L-7000

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