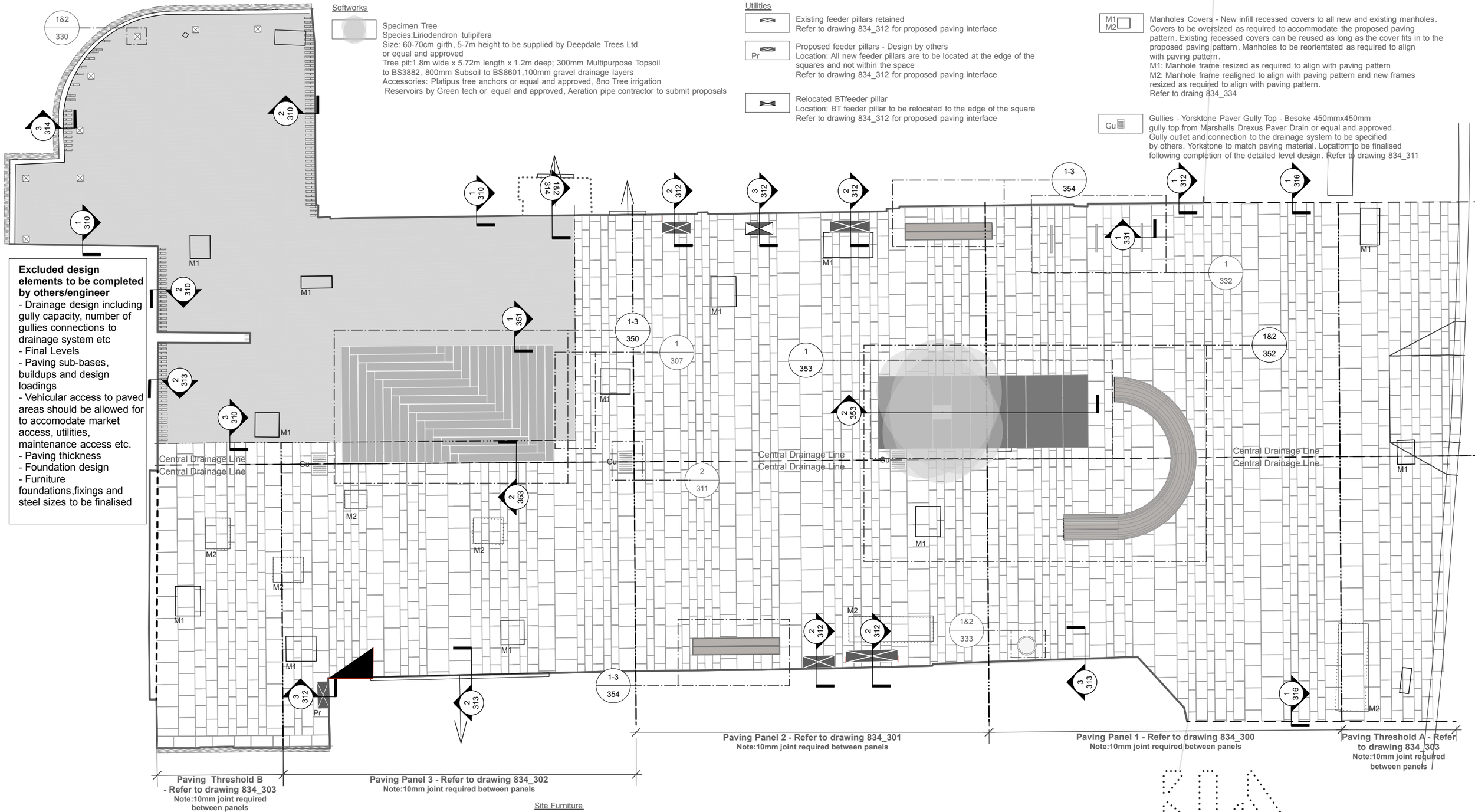
APPENDIX 2:
PENGE - EMPIRE SQUARE AND ARPLEY SQUARE
IMPROVEMENTS STAGE 4 DRAWINGS



Excluded design elements to be completed by others/engineer
- Drainage design including gully capacity, number of gullies connections to drainage system etc
- Final Levels
- Paving sub-bases, buildups and design loadings
- Vehicular access to paved areas should be allowed for to accomodate market access, utilities, maintenance access etc.
- Paving thickness
- Foundation design
- Furniture foundations,fixings and steel sizes to be finalised

Softworks

Specimen Tree
Species:Liriodendron tulipifera
Size: 60-70cm girth, 5-7m height to be supplied by Deepdale Trees Ltd or equal and approved
Tree pit:1.8m wide x 5.72m length x 1.2m deep; 300mm Multipurpose Topsoil to BS3882, 800mm Subsoil to BS8601,100mm gravel drainage layers
Accessories: Platipus tree anchors or equal and approved, 8no Tree irrigation Reservoirs by Green tech or equal and approved, Aeration pipe contractor to submit proposals

Utilities

Existing feeder pillars retained
Refer to drawing 834_312 for proposed paving interface

Pr
Proposed feeder pillars - Design by others
Location: All new feeder pillars are to be located at the edge of the squares and not within the space
Refer to drawing 834_312 for proposed paving interface

Relocated BTfeeder pillar
Location: BT feeder pillar to be relocated to the edge of the square
Refer to drawing 834_312 for proposed paving interface

M1 M2
Manholes Covers - New infill recessed covers to all new and existing manholes. Covers to be oversized as required to accommodate the proposed paving pattern. Existing recessed covers can be reused as long as the cover fits in to the proposed paving pattern. Manholes to be reorientated as required to align with paving pattern.
M1: Manhole frame resized as required to align with paving pattern
M2: Manhole frame realigned to align with paving pattern and new frames resized as required to align with paving pattern.
Refer to draing 834_334

Gu
Gullies - Yorkstone Paver Gully Top - Besoke 450mmx450mm gully top from Marshalls Drexus Paver Drain or equal and approved. Gully outlet and connection to the drainage system to be specified by others. Yorkstone to match paving material. Location to be finalised following completion of the detailed level design. Refer to drawing 834_311

Key

Hardworks

Moseldon Yorkstone Paving - Staggered bond in rows of varying width on a rigid construction in the following sizes; Joints:10mm joints
Refer to drawings 834_300/301/302/303 for paving layout and 834_311 for row arrangements
Subase Design by others

Clay Pavers - Murcia Nostalgie 205mm x 50mm x 85mm laid on end in a linear staggered arrangement Joint:10mm
Refer to drawings 834_307 for paving layout

Durbar finish to tree pit - 10mm steel durbar plate 2m x 5.94m rusted and treated with rust inhibitor
Refer to drawings 834_352/353

Crossing Point - Design by others as part of the Highway Design. Crossing to be integrated into the paving pattern.

Making Good - Existing surface to be reapired as required and made good to create a flush interface with the proposed hardworks

Site Furniture

Bespoke Timber Stage Construction -
Refer to drawing 834_350/351

Bespoke Timber Curved Seat Construction -
(Refer to drawing 834_352

BespokeTimber Bench -
Refer to drawing 834_354

3 no Existing Cycle parking - Existing cycle stands removed from Empire Square, cleaned and reinstalled with a concrete foundation set below the paving. Foundation design by others.
Refer to drawings 834_331/332

8 no Timber Bollards
Specification:Hardwood Square Timber Bollard by Woodscape of equal and approved
Size: 175mmx175mm , 1050mm above aground
Foundation:Concrete foundation root design set below the paving, foundation design by others
Refer to drawings 834_330

1 no Galvanized Steel Litter Bin
Specification:Halls Litter Bin by Artform or equal and approved
Size: 90litre, 520mm wide and 990mm high; Material: Galvanized steel with polyester powder coated in RAL9005 Jet Black
Fixing: Hidden fixing resined in to concrete foundation to manufacturer's recommendation; Refer to drawings 834_333

REV.	DESCRIPTION	BY	CHK	DATE
00	Stage 4	KLT	KLT	23.06.17

STAGE 4

KINNEAR LANDSCAPE ARCHITECTS
3rd Floor West, 1-3 Coate Street, London E2 9AG
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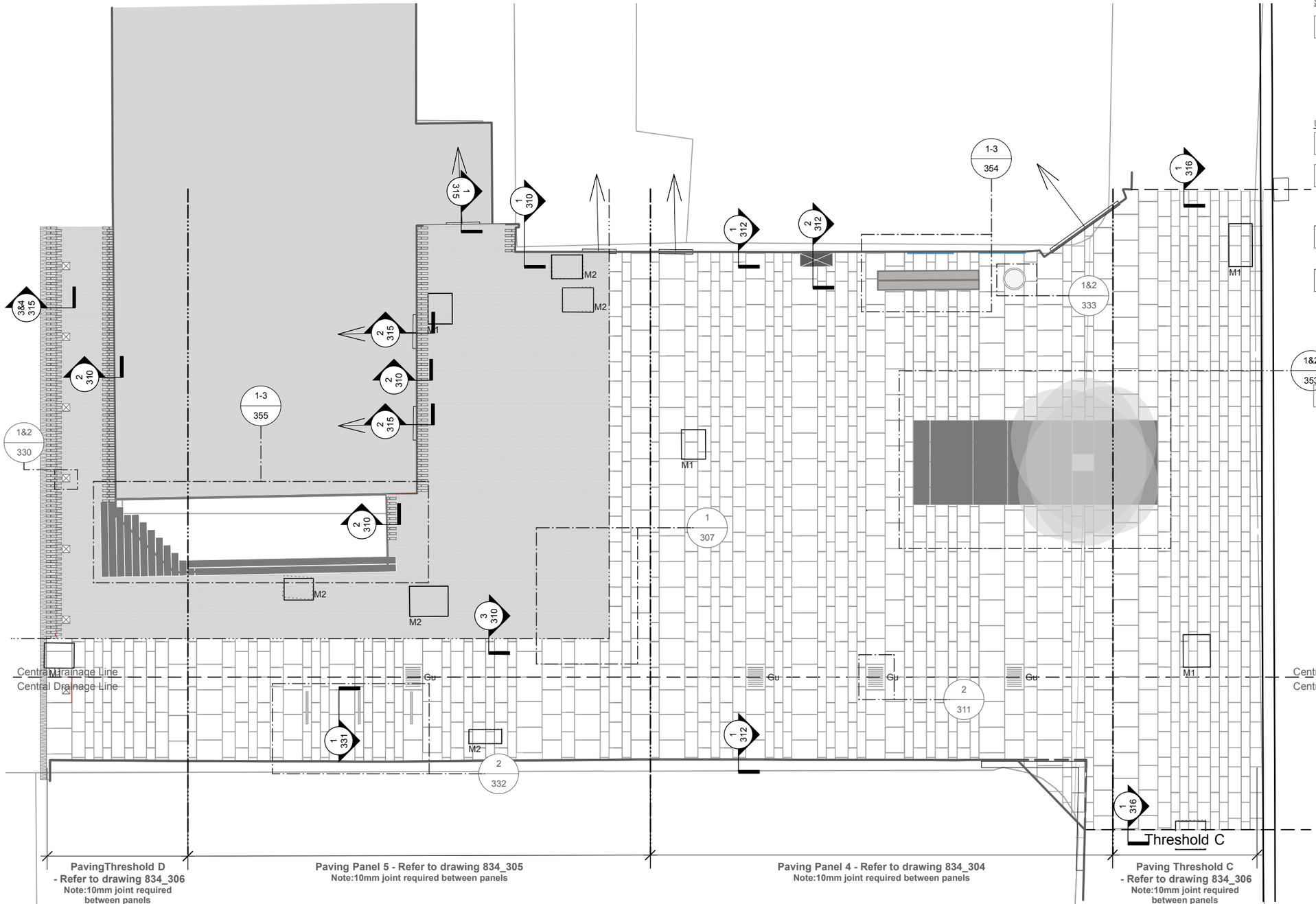
JOB 834_Penge Squares

TITLE Stage 4: Empire Square General Arrangement Plan

SCALE 1:100@A3 **DRAWING NO.** 834_110 **REV.** 00



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gully top from Marshalls Drexus Paver Drain or equal and approved.
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Refer to drawings 834_353

Making Good - Existing surface to be reapired as required and made good to create a flush interface with the proposed hardworks

Site Furniture

Bespoke Timber/Corten Planter Construction -
Refer to drawing 834_355

BespokeTimber Bench -
Refer to drawing 834_354

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JOB 834_Penge Squares

TITLE Stage 4: Arpley Square General Arrangement Plan

SCALE 1:100@A3 **DRAWING NO.** 834_111 **REV.** 00