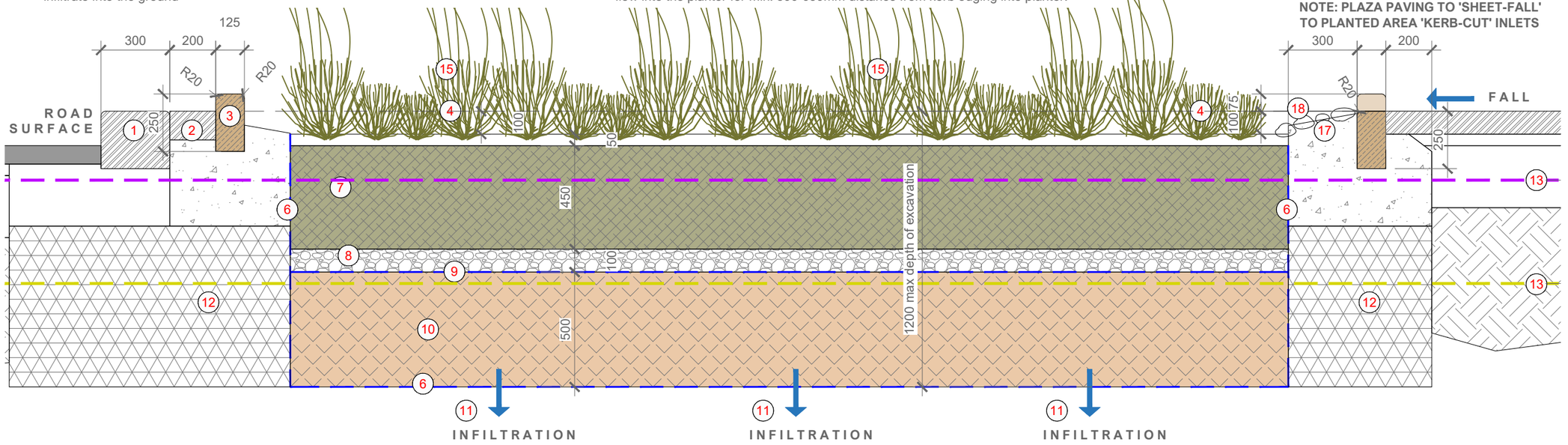
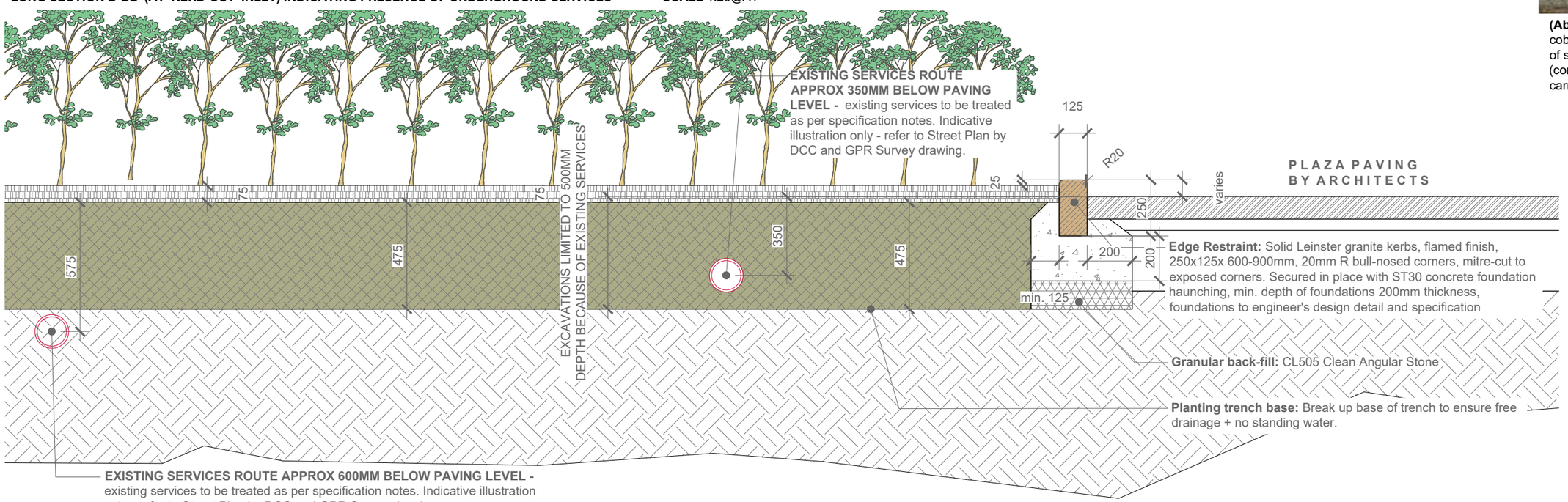
1. Roadside kerb to DCC specification
2. 200mm width area paved in Leinster granite setts to DCC specification
3. **Edge Restraint:** Solid Leinster granite kerbs, flamed finish, 250x125x600-900mm, 20mm R bull-nosed corners, mitre-cut to exposed corners. Secured in place with ST30 concrete foundation haunching, min. depth of foundations 200mm thickness.
4. **Freeboard:** min. depth 100mm measured from the carriageway or footpath level to the top of the top soil to provide potential water storage during 'cloud-burst' events
5. **Non-organic mulch layer:** 50mm depth washed and dried angular aggregate, e.g. locally sourced sandstone/granite. Sample to be approved by DCC/Landscape architect. Plants to be part-planted into mulch layer, part-planted into filter layer.
6. **Filter fabric:** geotextile separator layer to line excavated bio-retention area
7. **Filter Growing media layer:** refer to detailed specification notes for rain-garden soils
8. **Transition layer:** filter layer of pea gravel to prevent the washing of fines from the filter medium into the drainage layer
9. **Filter fabric:** non-woven geotextile fabric separator layer to prevent granular materials and fines mixing with the drainage layer
10. **Drainage layer:** refer to detailed specification notes for rain garden sub-soil
11. **Ground:** Free-draining and un-compacted sub-soil to ensure that water can soak or infiltrate into the ground
12. **Granular back-fill:** CL505 Clean Angular Stone to engineer's design detail and specification
13. **EXISTING SERVICES ROUTES APPROX 300mm 750mm and 1900mm BELOW PAVING LEVEL -** existing services to be treated as per specification notes. Indicative illustration only - refer to Street Plan by DCC and GPR Survey drawing.
14. KERB-CUT TO ALLOW OVERSPILL OF INUNDATION WATER DURING CLOUDBURST
15. **Vegetation:** mix of native and exotic species of shrubs, grasses and ground cover plants suitable for bio-retention at density 9/m²; bulbs at 10/m² density.
16. **Kerb-Cut Inlet Detail/Edge Restraint:** Solid Leinster granite kerb, flamed finish, 250x125x600-900mm, 20mm R bull-nosed corners, mitre-cut to exposed corners. Secured in place with ST30 concrete foundation haunching, min. depth of foundations 200mm thickness.
17. **Side slope gradient from kerb-cut inlet:** 8-10° gradient slope down to filter medium to provide 'freeboard' storage in inundations, planted with vegetation; at kerb-cut inlet slope to be hard-landscaped with cobbles/setts to slow surface water ingress speed/scour/erosion.
18. **Stone cobbles or setts:** Leinster granite rounded pebbles or salvaged cobbles (in varying heights and sizes) set in C30/35 concrete on 8-10% slope to slow surface water flow into the planter for min. 300-650mm distance from kerb edging into planter.



LONG SECTION B-BB' (AT 'KERB-CUT' INLET) INDICATING PRESENCE OF UNDERGROUND SERVICES **SCALE** 1:20@A1



NOTIONAL SECTIONAL ELEVATION INDICATING PRESENCE OF UNDERGROUND SERVICES (TO HEDGE TRENCH) **SCALE** 1:20@A1

GENERAL 'SOFT' LANDSCAPE MATERIALS - OUTLINE SPECIFICATION KEY

Planting has been specified with a mix of exotic species to respond to climate change issues, occasional inundations and to provide pollinator plants in the urban setting.

PLANTER BEDS GENERALLY

- Excavate trench and pit and place filter media, growing media, drainage layers and sub-soil.
- No bare-root (BR) trees, transplants or hedge plants permitted outside the planting season, October-March.
- Work in 100mm depth multi-purpose organic compost to min. 450mm depth multi-purpose grade topsoil to BS:3882 on min. 450mm depth free-draining subsoil.
- Top with 75mm settled depth mulch topping.

MIX P1 - Rain-garden 6.8m²

MIX P2 - Hedge 18.5m²

Perennial pollinator-friendly planting to planter beds with a diverse mix of ornamental grasses, bulbs, corms, ferns, ground-cover plants, sedums and flowering perennials of both native cultivars and exotic species.

MIX P3 - Bulbs (in area of limited excavations) 2.7m²

INLET DETAIL/EDGE RESTRAINT:
Solid Leinster granite kerb, flamed finish, 250x125x600-900mm, 20mm R bull-nosed corners, mitre-cut to exposed corners. Secured in place with ST30 concrete foundation haunching, min. depth of foundations 200mm thickness. Provide 100mm gap at 900mm centres to create a number of small gap 'kerb-cut' type inlets. Provide Leinster granite rounded pebbles or salvaged cobbles (in varying heights and sizes) at kerb-cut inlet point set in C30/35 concrete on 8-10% slope to slow surface water flow into the planter.

PIT/ TRENCH BACK-FILL SOIL
as per soil specification

PIT/ TRENCH BACK-FILL SUB-SOIL
as per soil specification

(Above) Example of a Kerb-cut Inlet detail, with cobbles embedded in concrete, to slow the speed of surface water draining into the rain garden (coming from a transverse fall across the carriageway), to prevent soil erosion and scouring.

landscape design services

LANDSCAPE ARCHITECTS & CONSULTANTS

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PROJECT	PROPOSED PUBLIC REALM WORKS, LEESON STREET, DUBLIN 2
CLIENT	DUBLIN CITY COUNCIL
PROJECT ARCHITECT	DUBLIN CITY COUNCIL
JOB NO.	19_150
PLANNING REFERENCE	NOT APPLICABLE
DRAWING	LANDSCAPE PLAN, CONSTRUCTION DETAIL - ELEVATION OF HEDGE
DRAWING NO.	19_150_LA_P-03

DRAWN BY	CHECKED	DATE
J COUGHLAN *MILI*	COLM KENNY *MILI*	2022.06.15
STATUS: TENDER	**SCALE** 1:20 @ A3	**REVISION** H

NOTES:
All dimensions are in millimeters unless otherwise stated and shall be checked and confirmed by the contractor on site. Any discrepancies shall be immediately reported to the landscape architects. Work to figured dimensions only - Do not scale from drawing. Do Not Scale. Not for Construction Purposes unless Specifically Marked.