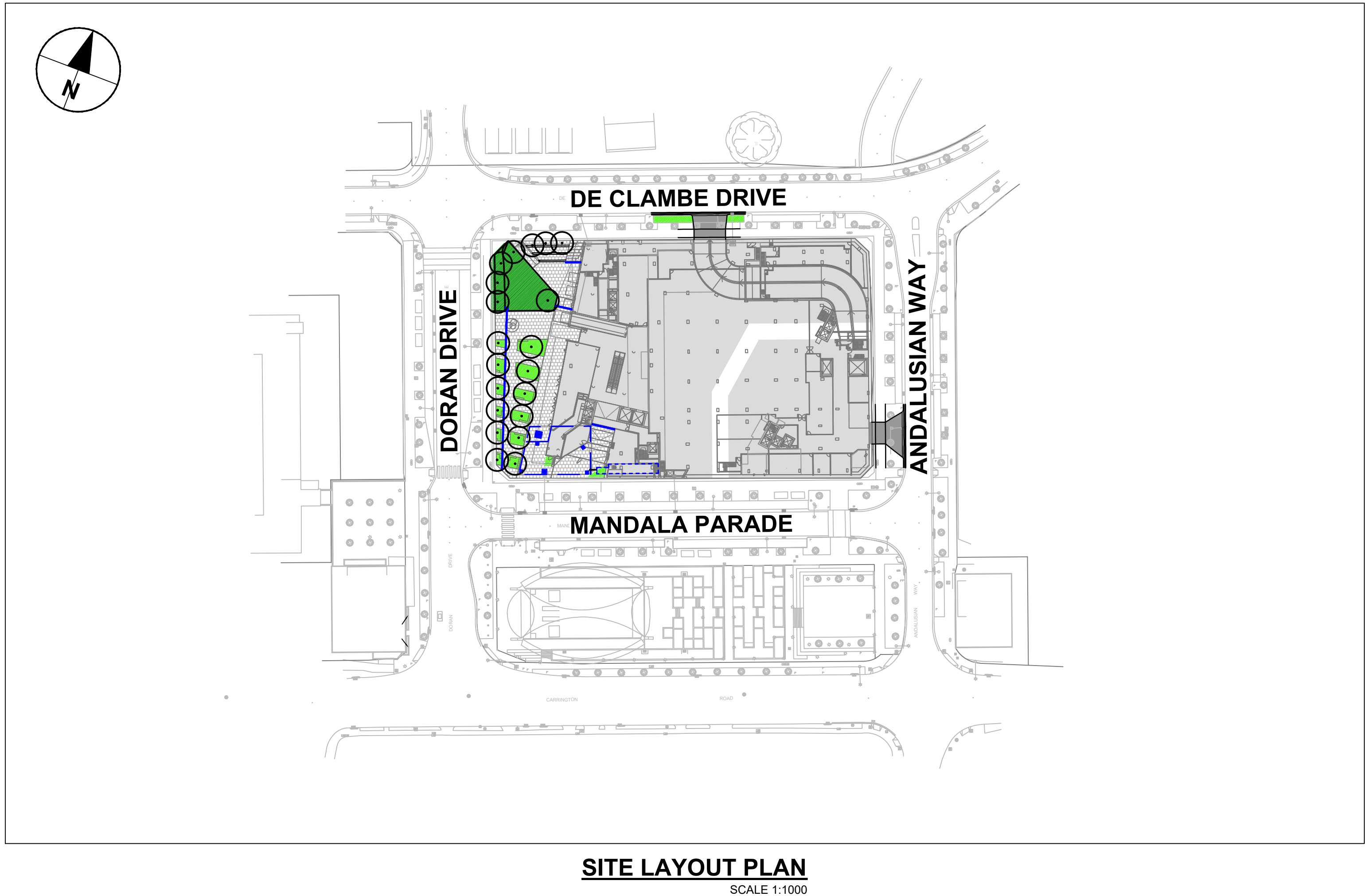


DORAN DRIVE PRECINCT

LOT 55 DP 1253217

No.2 MANDALA PARADE, CASTLE HILL

- FOR DEVELOPMENT APPLICATION -



DRAWING LIST

DRAWING NUMBER	DRAWING TITLE
60618532-SHT-00-1000-CI-0001	COVER SHEET AND DRAWING INDEX
60618532-SHT-00-1000-CI-0031	EROSION AND SEDIMENT CONTROL PLAN
60618532-SHT-00-1000-CI-0101	GENERAL ARRANGEMENT PLAN
60618532-SHT-00-1000-CI-0621	STORMWATER DRAINAGE PLAN
60618532-SHT-00-1000-CI-0901	DETAILS - EROSION AND SEDIMENT CONTROL
60618532-SHT-00-1000-CI-0951	DETAILS - STORMWATER DRAINAGE
60618532-SHT-00-1000-CI-0952	DETAILS - STORMWATER DRAINAGE

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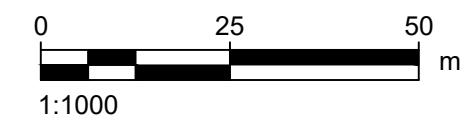
PROJECT

DORAN DRIVE
PRECINCT

CLIENT



SCALE BAR



KEY PLAN

REVISION DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS NOT NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING?

☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	BO	GR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM		SURVEY	
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ISSUE/REVISION

I/R	DATE	DESCRIPTION
03	30.06.2021	DA ISSUE
02	01.06.2021	DRAFT ISSUE
01	21.05.2021	COORDINATION ISSUE

PROJECT NUMBER

60618532

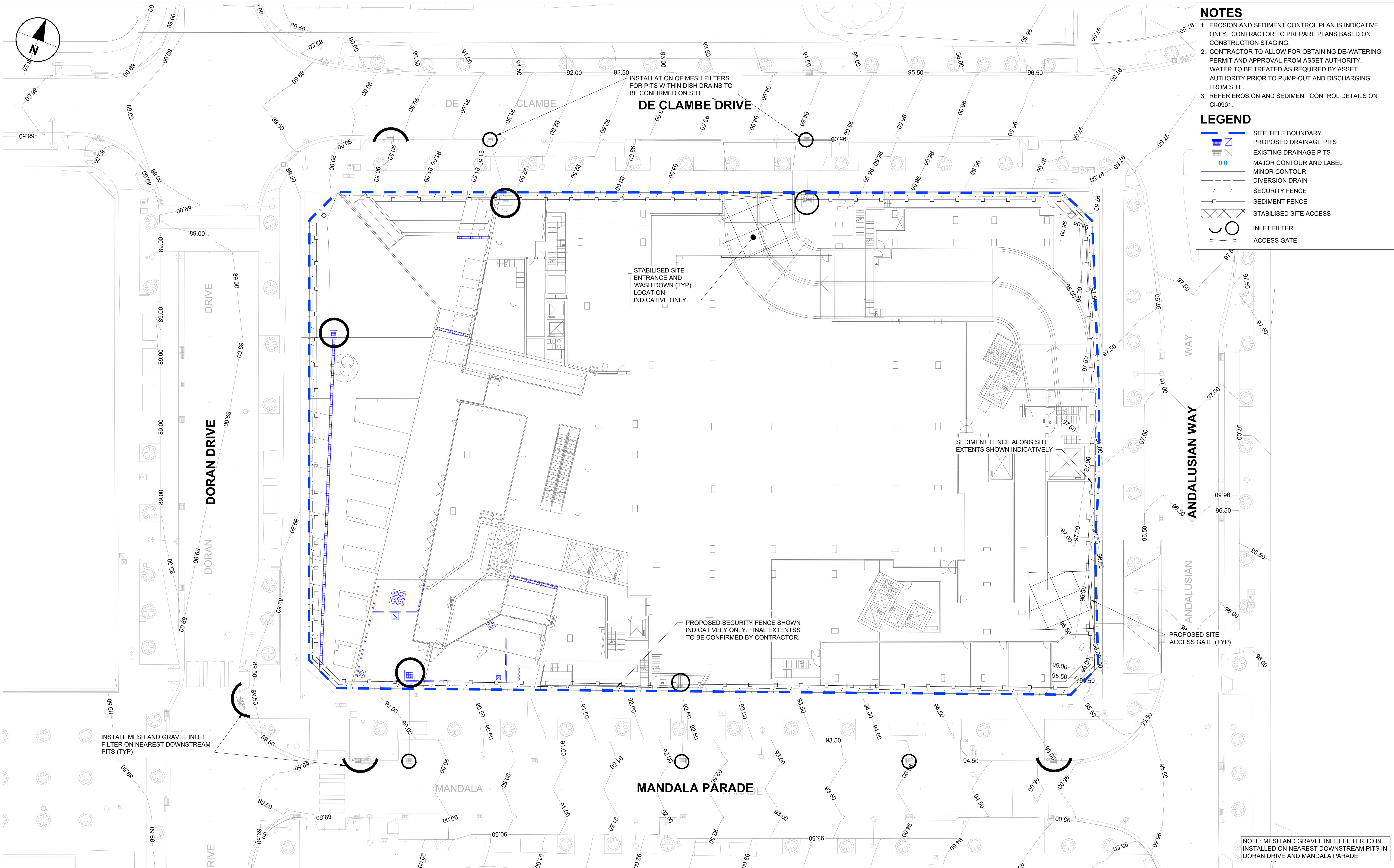
SHEET TITLE

COVER SHEET AND
DRAWING INDEX

SHEET NUMBER

60618532-SHT-00-1000-CI-0001

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PROJECT

DORAN DRIVE
PRECINCT

CLIENT

DEICORP

SCALE BAR

0 6.25 12.5
1:250 m

KEY PLAN

SAFETY IN DESIGN INFORMATION

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OF WORK DETAILED ON THIS DRAWING?

☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

JD	BO	GR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	SURVEY
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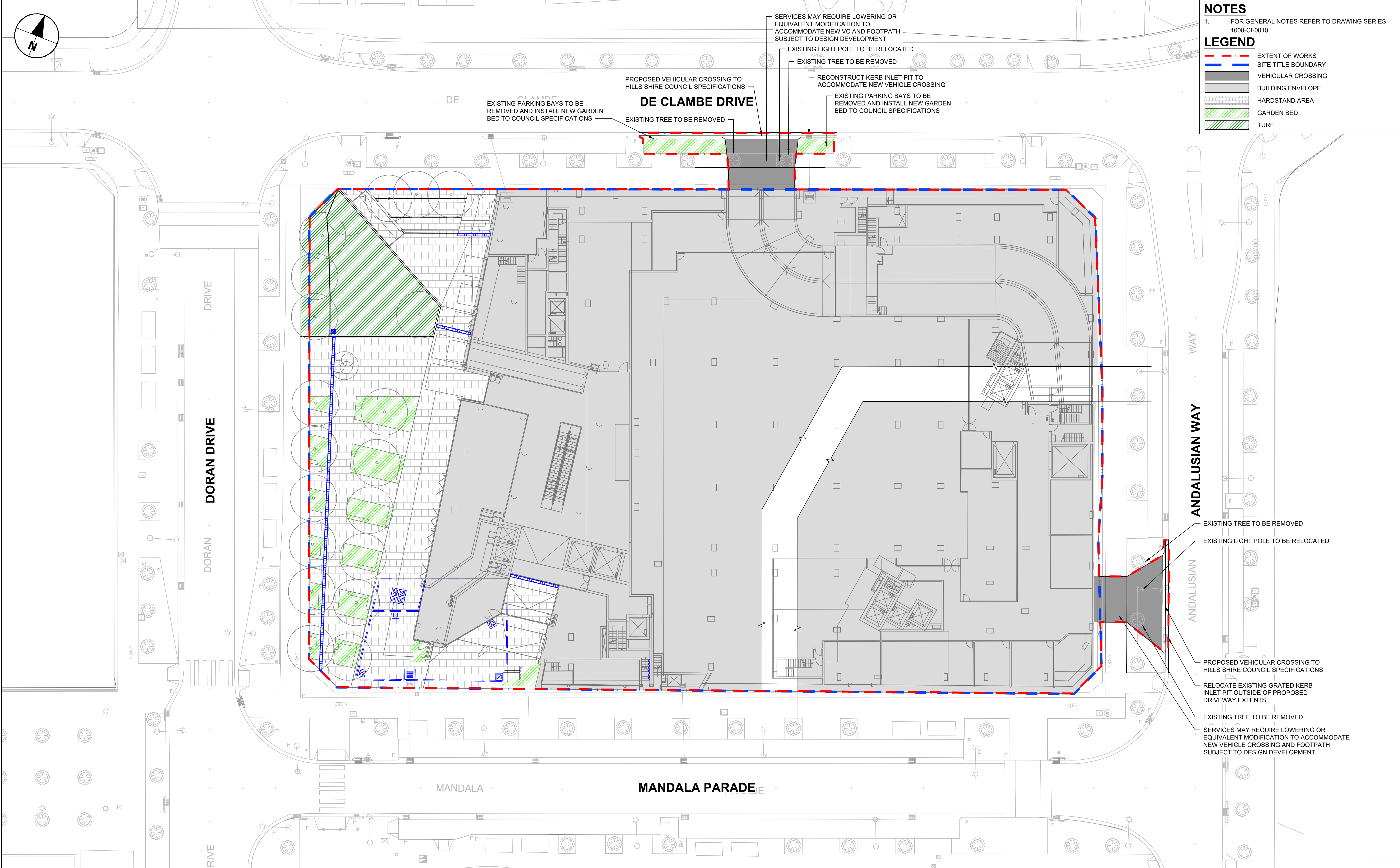
SHEET TITLE

EROSION AND SEDIMENT CONTROL
PLAN

SHEET NUMBER

60618532-SHT-00-1000-CI-0031

FOR INFORMATION ONLY



NOTES

1. FOR GENERAL NOTES REFER TO DRAWING SERIES 1000-CI-0010.

LEGEND

- EXTENT OF WORKS
- SITE TITLE BOUNDARY
- VEHICULAR CROSSING
- BUILDING ENVELOPE
- HARDSTAND AREA
- GARDEN BED
- TURF

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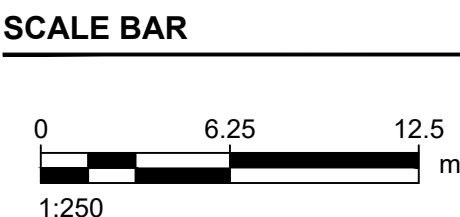
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CLIENT

DEICORP



KEY PLAN

REASON FOR DESIGN INFORMATION

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☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS		
JD	BO	GR
DESIGNER	CHECKED	APPROVED
PROJECT DATA		
DATUM	SURVEY	

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01	21.05.2021	COORDINATION ISSUE
I/R	DATE	DESCRIPTION

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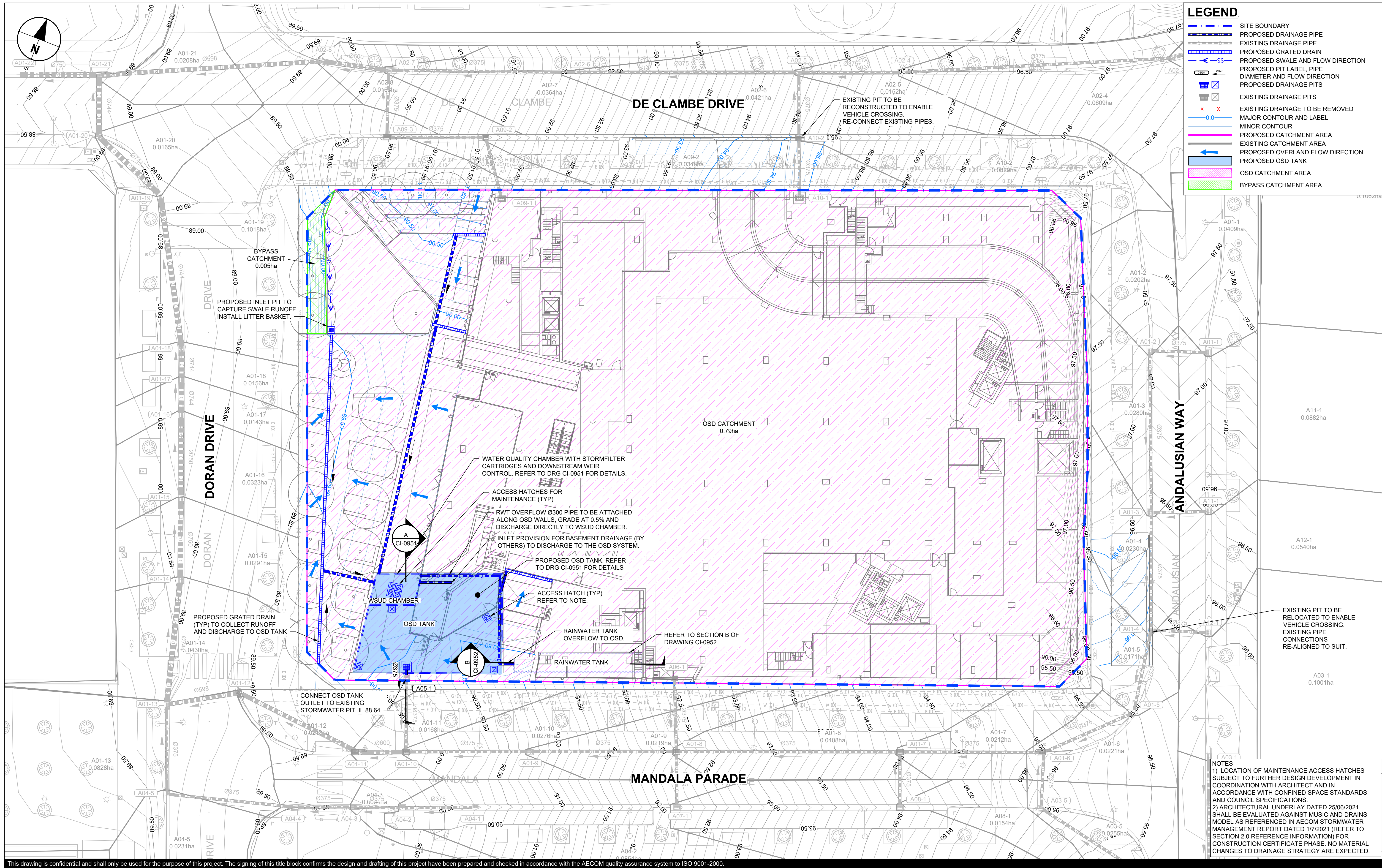
SHEET TITLE

GENERAL ARRANGEMENT PLAN

SHEET NUMBER

60618532-SHT-00-1000-CI-0101

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PRECINCT

CLIENT

DEICORP

SCALE BAR

1:250

KEY PLAN

REASONABLE DESIGN INFORMATION

ARE THERE ANY ADDITIONAL HAZARDS / RISKS
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OF WORK DETAILED ON THIS DRAWING?☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

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PROJECT NUMBER

60618532

SHEET TITLE

STORMWATER DRAINAGE
PLAN

SHEET NUMBER

60618532-SHT-00-1000-CI-0621

FOR INFORMATION ONLY

SEDIMENT FENCE

SD 6-8

MESH AND GRAVEL INLET FILTER

SD 6-11

STABILISED SITE ACCESS

SD 6-14

Construction Notes

- Construct sediment fences as close as possible to being parallel to the contours of the site, but with small returns as shown in the drawing to limit the catchment area of any one section. The catchment area should be small enough to limit water flow if concentrated at one point to 50 litres per second in the design storm event, usually the 10-year event.
- Cut a 150-mm deep trench along the upslope line of the fence for the bottom of the fabric to be entrenched.
- Drive 1.5 metre long star pickets into ground at 2.5 metre intervals (max) at the downslope edge of the trench.
- Ensure any star pickets are fitted with safety caps.
- Fix self-supporting geotextile to the upslope side of the posts ensuring it goes to the base of the trench. Fix the geotextile with wire ties or as recommended by the manufacturer. Only use geotextile specifically produced for sediment fencing. The use of shade cloth for this purpose is not satisfactory.
- Join sections of fabric at a support post with a 150-mm overlap.
- Backfill the trench over the base of the fabric and compact it thoroughly over the geotextile.

Construction Notes

- Install filters to kerb inlets only at sag points.
- Fabricate a sleeve made from geotextile or wire mesh longer than the length of the inlet pit and fill it with 25 mm to 50 mm gravel.
- Form an elliptical cross-section about 150 mm high x 400 mm wide.
- Place the filter at the opening leaving at least a 100-mm space between it and the kerb inlet. Maintain the opening with spacer blocks.
- Form a seal with the kerb to prevent sediment bypassing the filter.
- Sandbags filled with gravel can substitute for the mesh or geotextile providing they are placed so that they firmly abut each other and sediment-laden waters cannot pass between.

Construction Notes

- Strip the topsoil, level the site and compact the subgrade.
- Cover the area with needle-punched geotextile.
- Construct a 200 mm thick pad over the geotextile using road base or 30 mm aggregate.
- Ensure the structure is at least 15 metres long or to building alignment and at least 3 metres wide.
- Where a sediment fence joins onto the stabilised access, construct a hump in the stabilised access to divert water to the sediment fence

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PROJECT
DORAN DRIVE
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SCALE BAR

KEY PLAN

SAFETY IN DESIGN INFORMATION

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☐ NO
☐ YES

PROJECT MANAGEMENT INITIALS

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DESIGNER	CHECKED	APPROVED

PROJECT DATA

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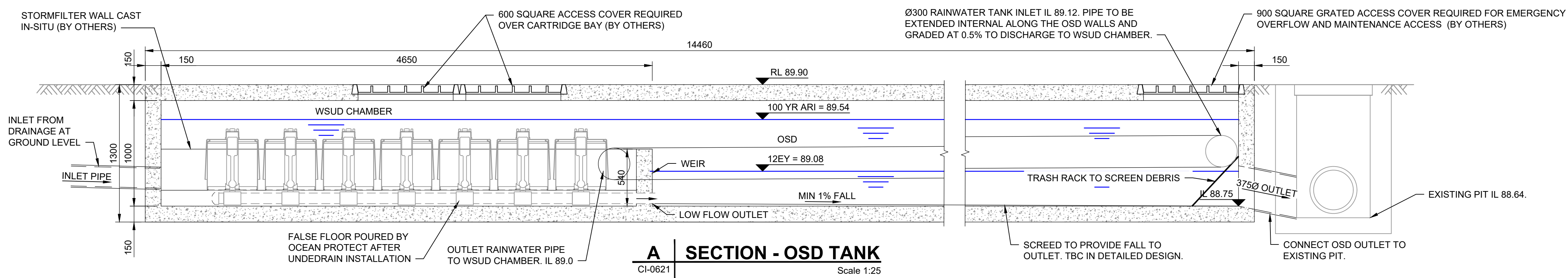
SHEET TITLE

DETAILS
EROSION AND SEDIMENT CONTROL

SHEET NUMBER

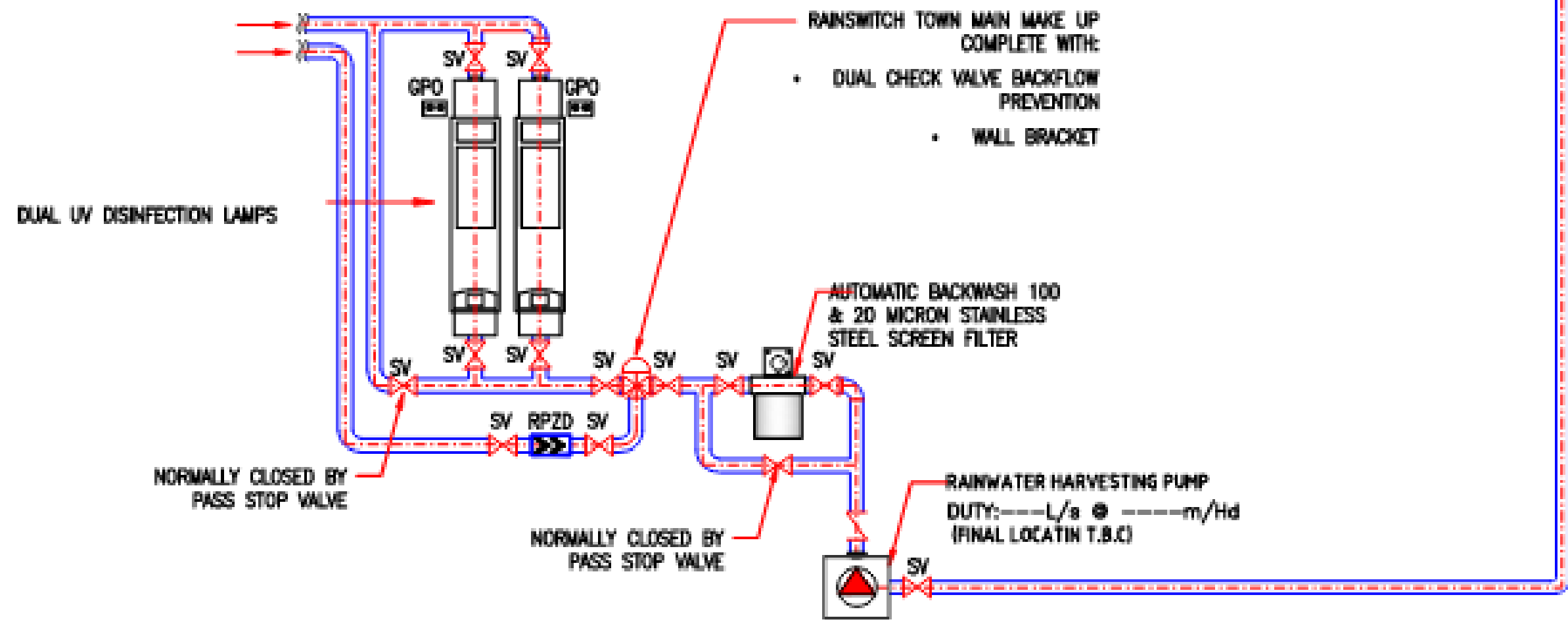
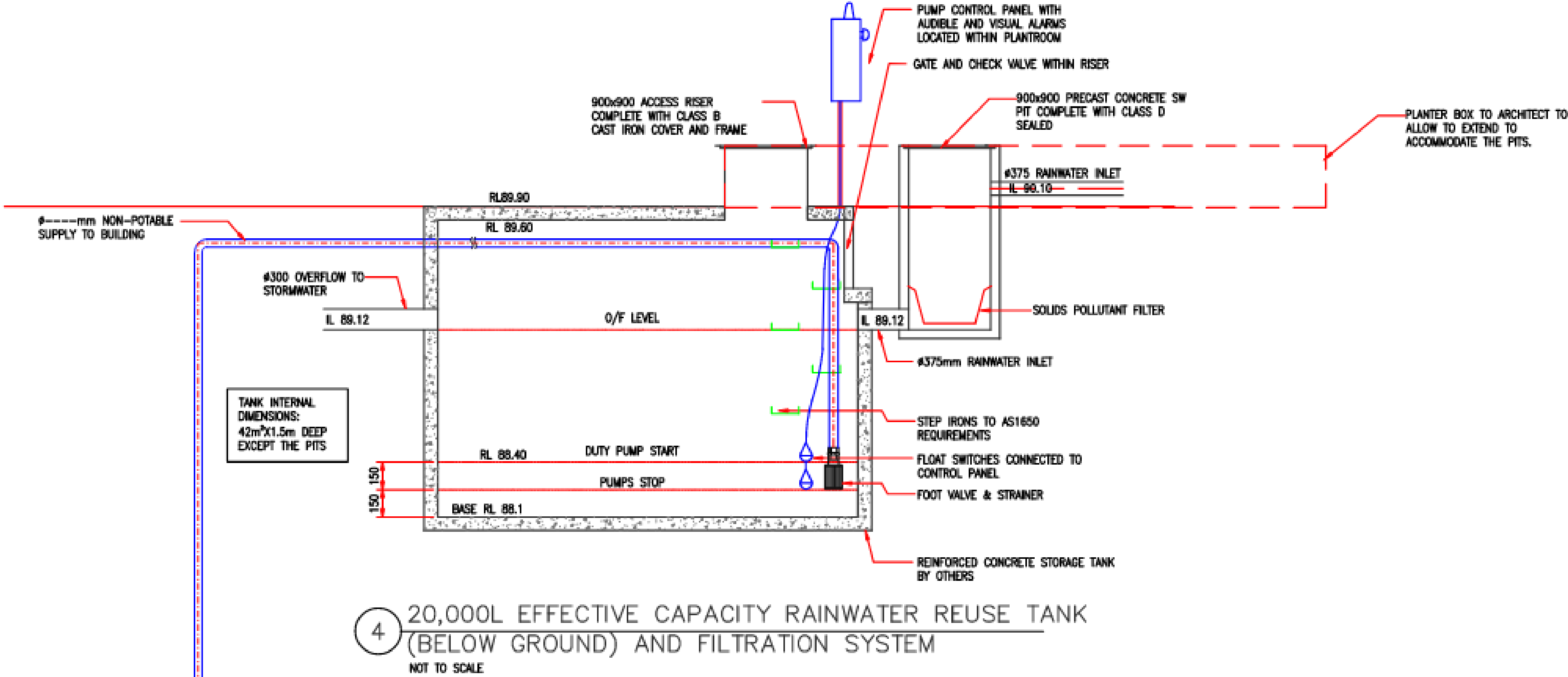
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FOR INFORMATION ONLY



NOTE:

- 1) STRUCTURAL DESIGN OF THE OSD TANK AND WATERPROOFING TO BE UNDERTAKEN BY OTHERS.
- 2) RAINWATER TANK DESIGN, SIZING, CAPACITY CALCULATIONS INCLUDING ROOF CAPTURE AND INTERNAL RETICULATION BY HYDRAULIC CONSULTANT ACE CONSULTING ENGINEERS. DESIGN IS PROVIDED FOR COORDINATION ONLY. AECOM HAVE NOT VERIFIED THE DESIGN.



B | SECTION - RAINWATER TANK
CI-0621 | NTS

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