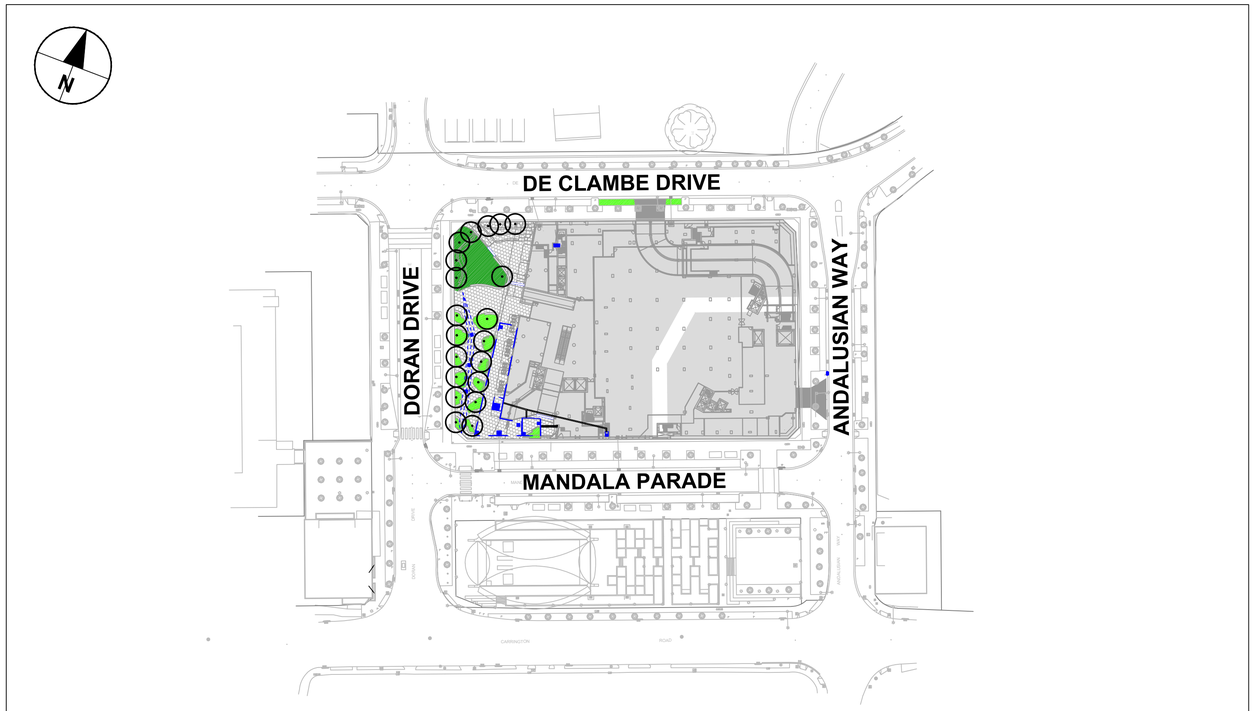
ISO A1 594mm x 841mm

DORAN DRIVE PRECINCT

LOT 55 DP 1253217
No.2 MANDALA PARADE, CASTLE HILL

- FOR DEVELOPMENT APPLICATION -



SITE LAYOUT PLAN
SCALE 1:1000

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

CONSULTANT
AECOM Australia Pty Ltd
A.B.N 20 093 846 925
www.aecom.com

PROJECT
DORAN DRIVE PRECINCT

CLIENT
DEICORP

SCALE BAR
0 25 50 m
1:1000

KEY PLAN

SAFETY IN 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	CR	GR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM		SURVEY	

ISSUE/REVISION

I/R	DATE	DESCRIPTION
06	10.06.2022	DA REISSUE
05	02.06.2022	DA REISSUE
04	08.07.2021	DA REISSUE
03	30.06.2021	DA ISSUE
02	01.06.2021	DRAFT ISSUE
01	21.05.2021	COORDINATION ISSUE

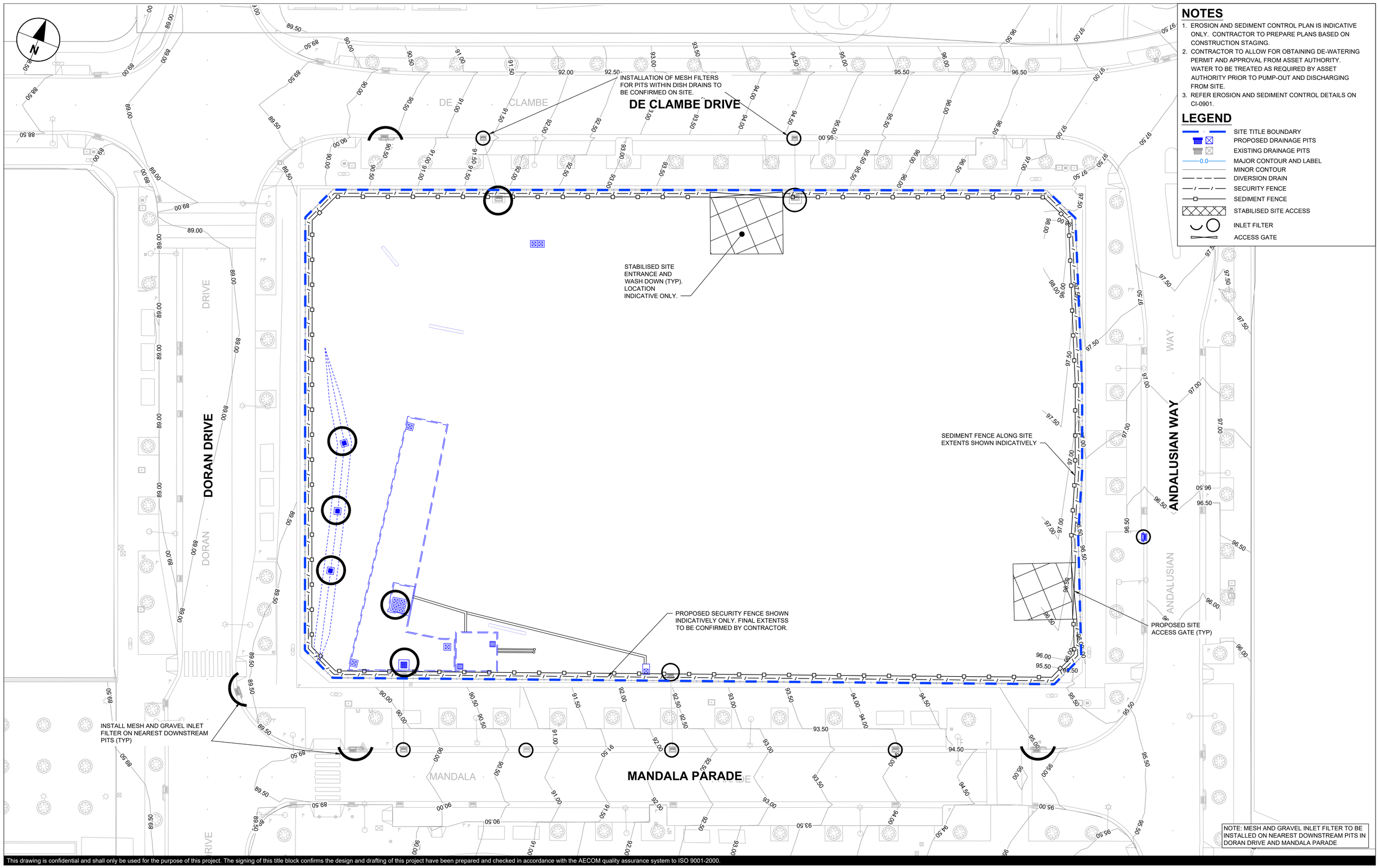
FOR INFORMATION ONLY

PROJECT NUMBER
60618532

SHEET TITLE
COVER SHEET AND DRAWING INDEX

SHEET NUMBER
60618532-SHT-00-1000-CI-0001

ISO A1 594mm x 841mm



NOTES

1. EROSION AND SEDIMENT CONTROL PLAN IS INDICATIVE ONLY. CONTRACTOR TO PREPARE PLANS BASED ON CONSTRUCTION STAGING.
2. CONTRACTOR TO ALLOW FOR OBTAINING DE-WATERING PERMIT AND APPROVAL FROM ASSET AUTHORITY. WATER TO BE TREATED AS REQUIRED BY ASSET AUTHORITY PRIOR TO PUMP-OUT AND DISCHARGING FROM SITE.
3. REFER EROSION AND SEDIMENT CONTROL DETAILS ON CI-0901.

LEGEND

- SITE TITLE BOUNDARY
- PROPOSED DRAINAGE PITS
- EXISTING DRAINAGE PITS
- 0.0 MAJOR CONTOUR AND LABEL
- MINOR CONTOUR
- DIVERSION DRAIN
- SECURITY FENCE
- SEDIMENT FENCE
- STABILISED SITE ACCESS
- INLET FILTER
- ACCESS GATE

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PROJECT

DORAN DRIVE PRECINCT

CLIENT

DEICORP

SCALE BAR

0 6.25 12.5 m
1:250

KEY PLAN

SAFETY IN 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	CR	GR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM		SURVEY	

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03	30.06.2021	DA ISSUE
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01	21.05.2021	COORDINATION ISSUE

PROJECT NUMBER

60618532

SHEET TITLE

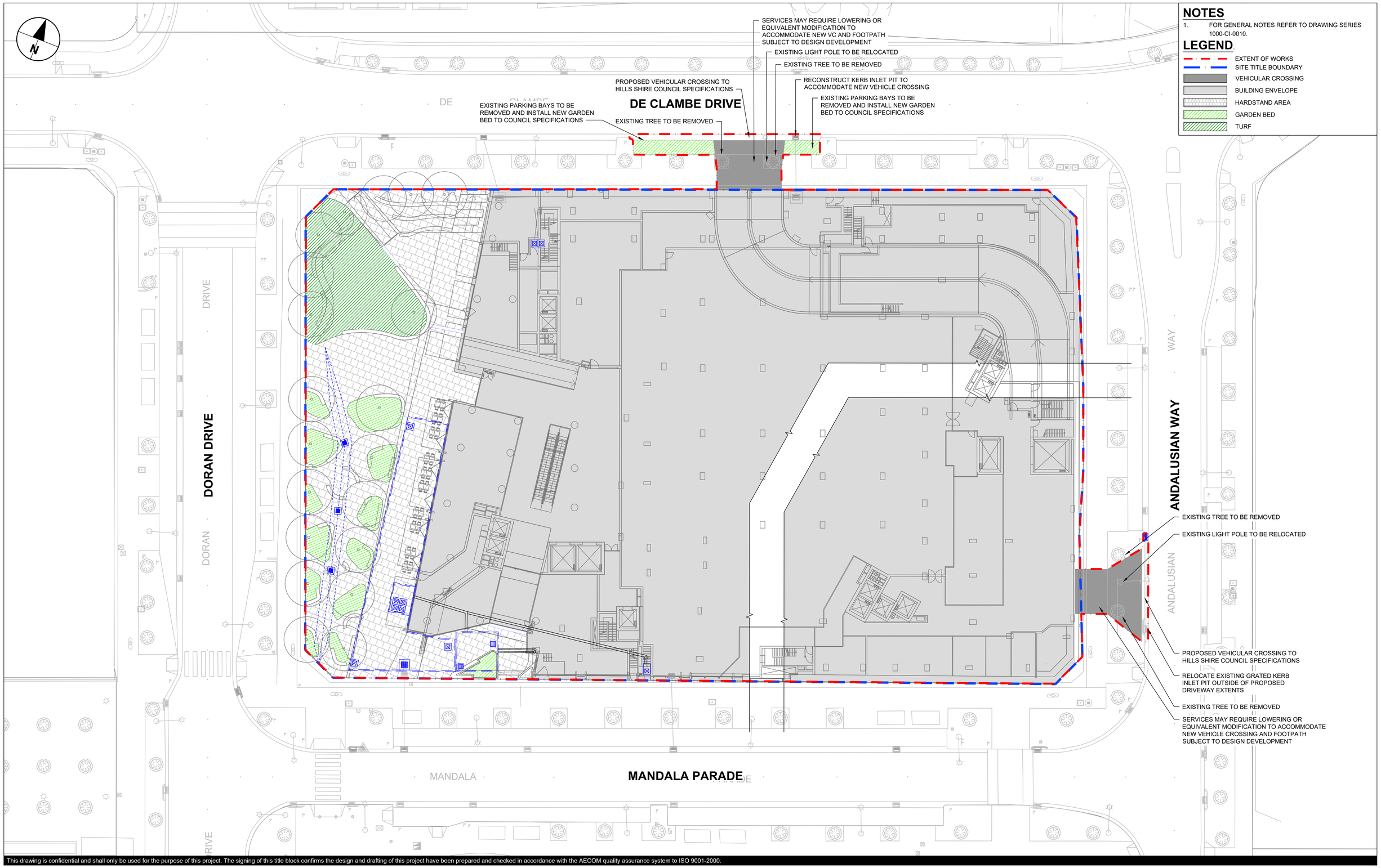
EROSION AND SEDIMENT CONTROL PLAN

SHEET NUMBER

60618532-SHT-00-1000-CI-0031

FOR INFORMATION ONLY

ISO A1 594mm x 841mm



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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PROJECT

DORAN DRIVE PRECINCT

CLIENT

DEICORP

SCALE BAR

0 6.25 12.5 m
1:250

KEY PLAN

SAFETY IN 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	CR	GR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM		SURVEY	

ISSUE/REVISION

I/R	DATE	DESCRIPTION
06	10.06.2022	DA REISSUE
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03	30.06.2021	DA ISSUE
02	01.06.2021	DRAFT ISSUE
01	21.05.2021	COORDINATION ISSUE

PROJECT NUMBER

60618532

SHEET TITLE

GENERAL ARRANGEMENT PLAN

SHEET NUMBER

60618532-SHT-00-1000-CI-0101

FOR INFORMATION ONLY

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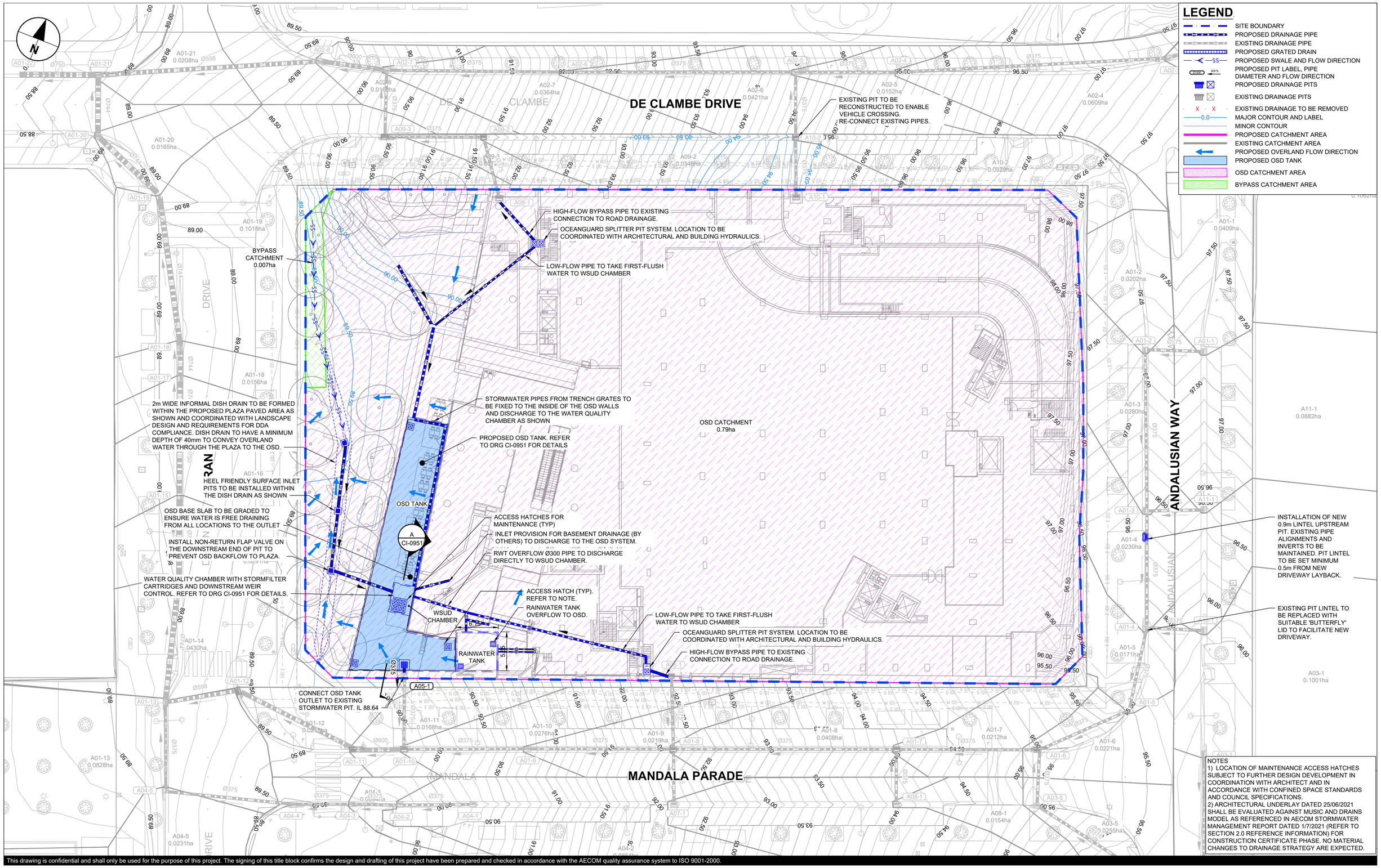
ISO A1 594mm x 841mm



LEGEND

- SITE BOUNDARY
- PROPOSED DRAINAGE PIPE
- EXISTING DRAINAGE PIPE
- PROPOSED GRATED DRAIN
- PROPOSED SWALE AND FLOW DIRECTION
- PROPOSED PIT LABEL, PIPE DIAMETER AND FLOW DIRECTION
- PROPOSED DRAINAGE PITS
- EXISTING DRAINAGE PITS
- EXISTING DRAINAGE TO BE REMOVED
- MAJOR CONTOUR AND LABEL
- MINOR CONTOUR
- PROPOSED CATCHMENT AREA
- EXISTING CATCHMENT AREA
- PROPOSED OVERLAND FLOW DIRECTION
- PROPOSED OSD TANK
- OSD CATCHMENT AREA
- BYPASS CATCHMENT AREA

NOTES
1) LOCATION OF MAINTENANCE ACCESS HATCHES SUBJECT TO FURTHER DESIGN DEVELOPMENT IN COORDINATION WITH ARCHITECT AND IN ACCORDANCE WITH CONFINED SPACE STANDARDS AND COUNCIL SPECIFICATIONS.
2) ARCHITECTURAL UNDERLAY DATED 25/06/2021 SHALL BE EVALUATED AGAINST MUSIC AND DRAINS MODEL AS REFERENCED IN AECOM STORMWATER MANAGEMENT REPORT DATED 1/7/2021 (REFER TO SECTION 2.0 REFERENCE INFORMATION) FOR CONSTRUCTION CERTIFICATE PHASE. NO MATERIAL CHANGES TO DRAINAGE STRATEGY ARE EXPECTED.

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PROJECT

DORAN DRIVE PRECINCT

CLIENT

DEICORP

SCALE BAR

0 6.25 12.5 m
1:250

KEY PLAN

SAFETY IN 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	

ISSUE/REVISION

07	10.06.2022	DA REISSUE
06	02.06.2022	DA REISSUE
05	03.11.2021	DA REISSUE
04	08.07.2021	DA REISSUE
03	30.06.2021	DA ISSUE
I/R	DATE	DESCRIPTION

FOR INFORMATION ONLY

PROJECT NUMBER

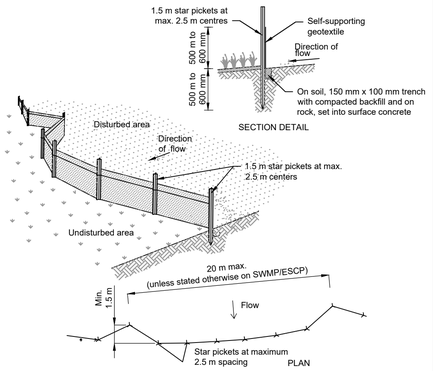
60618532

SHEET TITLE

STORMWATER DRAINAGE PLAN

SHEET NUMBER

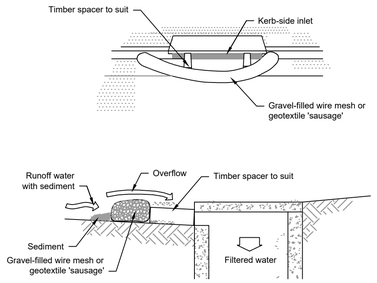
60618532-SHT-00-1000-CI-0621



Construction Notes

1. 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.
2. Cut a 150-mm deep trench along the upslope line of the fence for the bottom of the fabric to be entrenched.
3. 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.
4. 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.
5. Join sections of fabric at a support post with a 150-mm overlap.
6. Backfill the trench over the base of the fabric and compact it thoroughly over the geotextile.

SEDIMENT FENCE **SD 6-8**

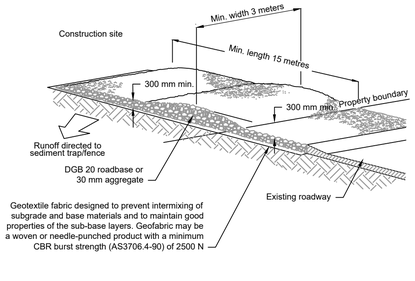


NOTE: This practice only to be used where specified in an approved SWMP/ESCP.

Construction Notes

1. Install filters to kerb inlets only at sag points.
2. 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.
3. Form an elliptical cross-section about 150 mm high x 400 mm wide.
4. 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.
5. Form a seal with the kerb to prevent sediment bypassing the filter.
6. 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.

MESH AND GRAVEL INLET FILTER **SD 6-11**



Construction Notes

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

STABILISED SITE ACCESS **SD 6-14**

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PROJECT
DORAN DRIVE PRECINCT

CLIENT
DEICORP

SCALE BAR

KEY PLAN

SAFETY IN 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	CR	GR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM		SURVEY	

ISSUE/REVISION

05	02.06.2022	DA REISSUE
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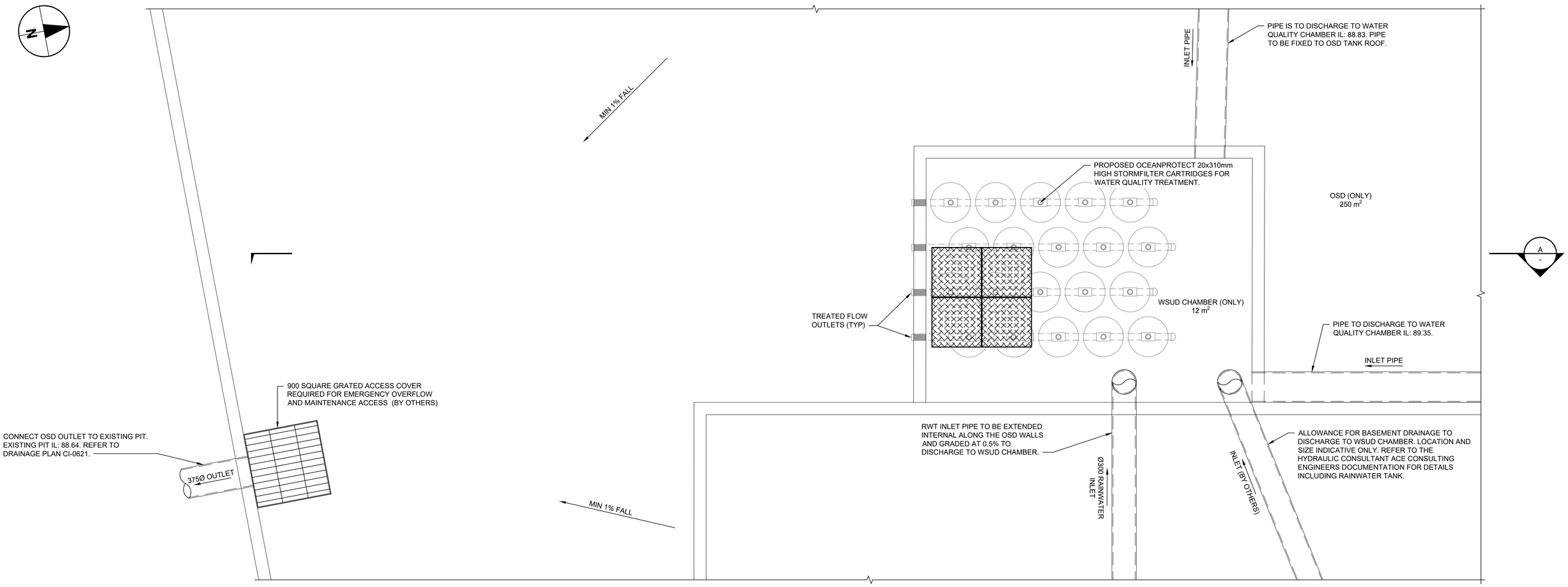
01	21.05.2021	COORDINATION ISSUE
I/R	DATE	DESCRIPTION

FOR INFORMATION ONLY

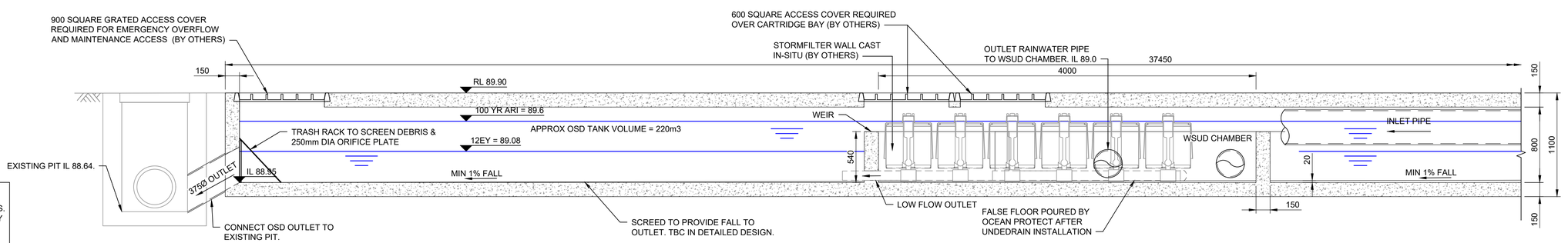
PROJECT NUMBER
60618532

SHEET TITLE
DETAILS
EROSION AND SEDIMENT CONTROL

SHEET NUMBER
60618532-SHT-00-1000-CI-0901



- | PLAN LAYOUT
- | Scale 1:25



A | SECTION - OSD TANK
CI-0621 | Scale 1:25

NOTE:
1) STRUCTURAL DESIGN OF THE OSD TANK AND WATERPROOFING TO BE UNDERTAKEN BY OTHERS. OSD VOLUME ESTIMATE ONLY WITH CONTINGENCY PROVIDED. FUTURE DETAILED DESIGN TO CONSIDER STRUCTURAL VOLUME TAKE UP INCLUDING COLUMNS AND SCREED.
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.

AECOM

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PROJECT

DORAN DRIVE PRECINCT

CLIENT

DEICORP

SCALE BAR

0 0.625 1.25 m
1:25

KEY PLAN

SAFETY IN 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

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DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM		SURVEY	

ISSUE/REVISION

05	10.02.2022	DA REISSUE
04	02.06.2022	DA REISSUE
03	08.07.2021	DA REISSUE
02	30.06.2021	DA ISSUE
01	01.06.2021	COORDINATION ISSUE
I/R	DATE	DESCRIPTION

FOR INFORMATION ONLY

PROJECT NUMBER

60618532

SHEET TITLE

DETAILS
STORMWATER DRAINAGE

SHEET NUMBER

60618532-SHT-00-1000-CI-0951