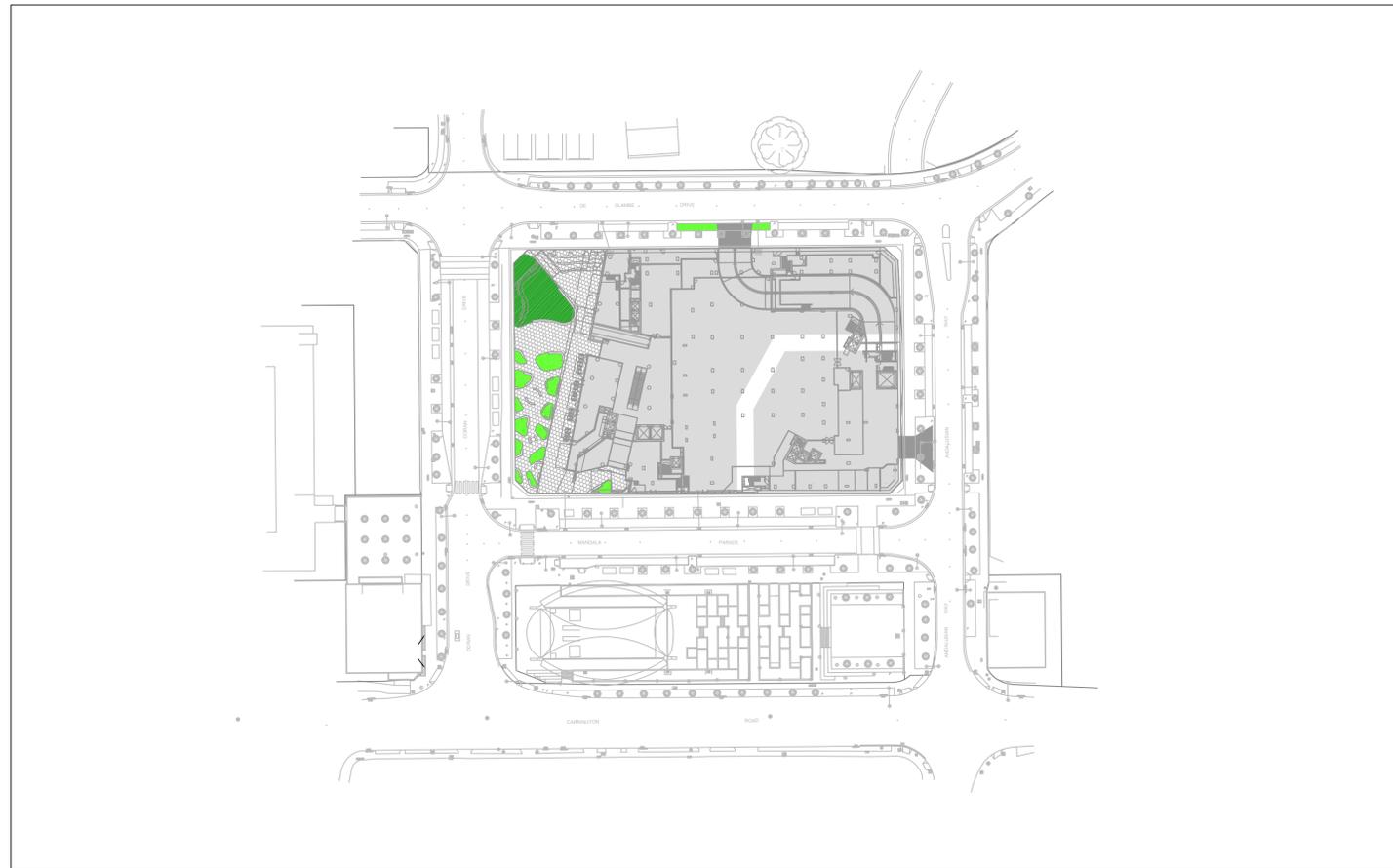


DORAN DRIVE PRECINCT

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

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PROJECT

**DORAN DRIVE
PRECINCT**

CLIENT



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	BO	GR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	SURVEY

ISSUE/REVISION

I/R	DATE	DESCRIPTION
04	13.04.2022	DA REISSUE
03	30.06.2021	DA ISSUE
02	01.06.2021	DRAFT ISSUE
01	21.05.2021	COORDINATION ISSUE

PROJECT NUMBER

60618532

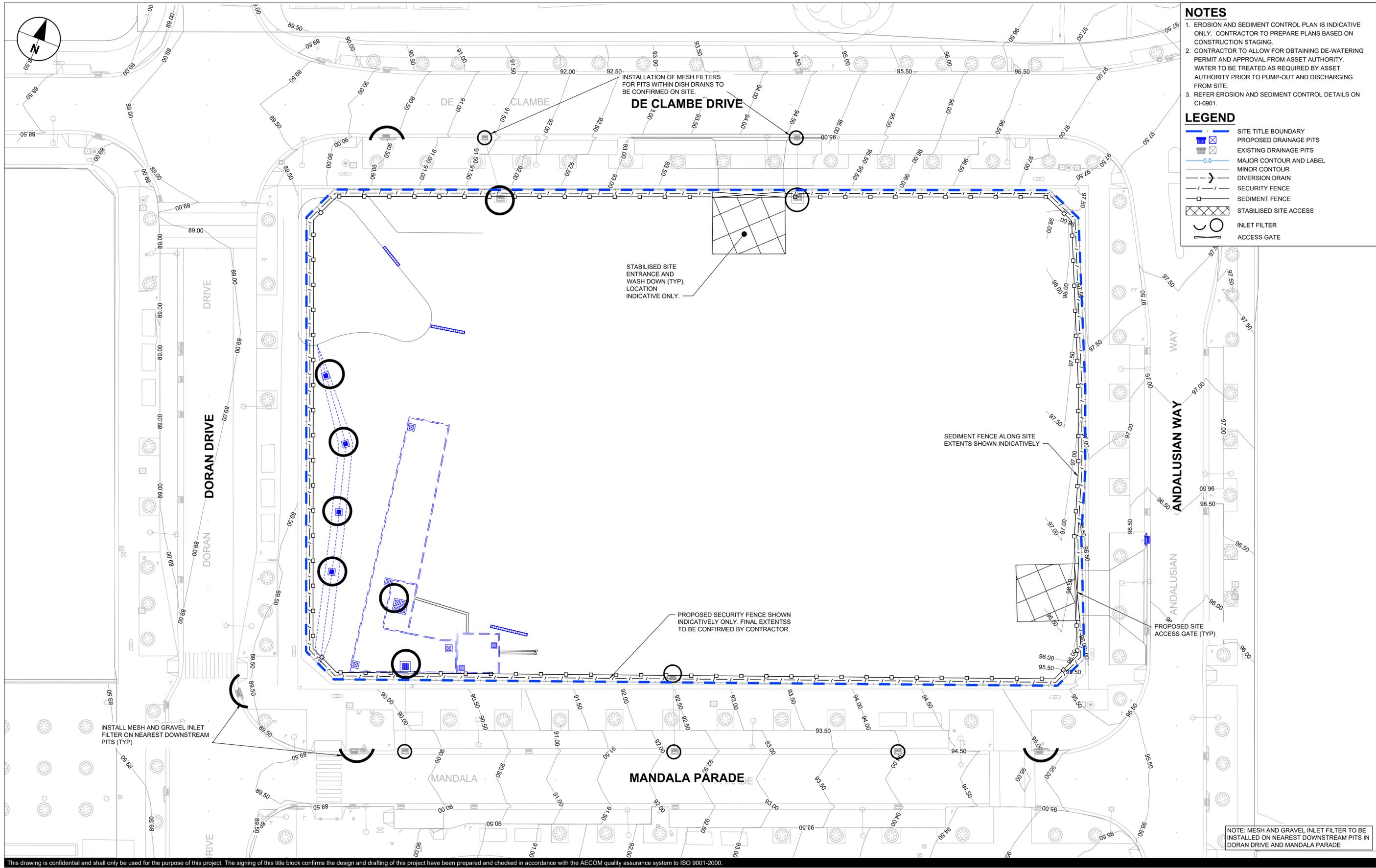
SHEET TITLE

COVER SHEET AND
DRAWING INDEX

SHEET NUMBER

60618532-SHT-00-1000-CI-0001

FOR INFORMATION ONLY



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.

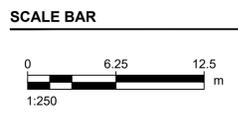
LEGEND

- [Blue dashed line] SITE TITLE BOUNDARY
- [Blue square with 'X'] PROPOSED DRAINAGE PITS
- [Grey square with 'X'] EXISTING DRAINAGE PITS
- [Blue line with '0.0'] MAJOR CONTOUR AND LABEL
- [Thin blue line] MINOR CONTOUR
- [Blue line with arrow] DIVERSION DRAIN
- [Dashed line with 'X'] SECURITY FENCE
- [Dashed line] SEDIMENT FENCE
- [Cross-hatched box] STABILISED SITE ACCESS
- [Circle with 'O'] INLET FILTER
- [Circle with 'G'] ACCESS GATE

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PROJECT
 DORAN DRIVE
 PRECINCT



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
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02	01.06.2021	DRAFT ISSUE
01	21.05.2021	COORDINATION ISSUE

PROJECT NUMBER
 60618532

SHEET TITLE
 EROSION AND SEDIMENT CONTROL PLAN

SHEET NUMBER
 60618532-SHT-00-1000-CI-0031

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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



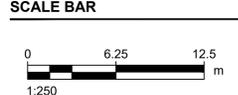
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PROJECT
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KEY PLAN

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
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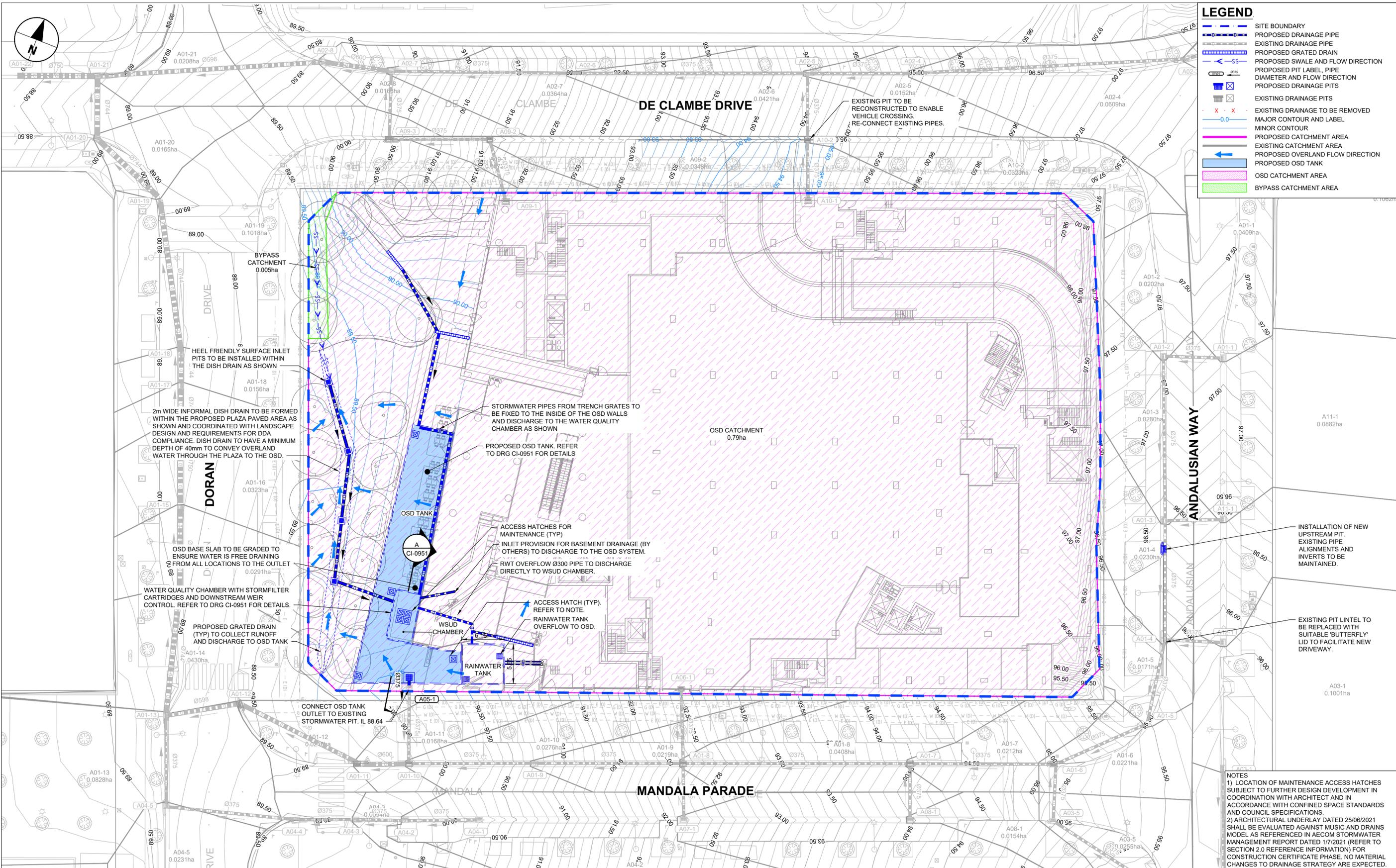
ISSUE/REVISION

I/R	DATE	DESCRIPTION
04	13.04.2022	DA REISSUE
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



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
- x 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



KEY PLAN

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 NO
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PROJECT MANAGEMENT INITIALS

JD	BO	GR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	SURVEY
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ISSUE/REVISION

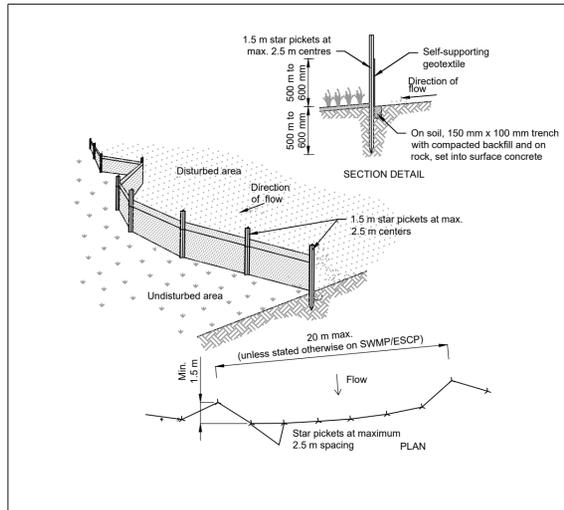
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05	03.11.2021	DA REISSUE
04	08.07.2021	DA REISSUE
03	30.06.2021	DA ISSUE
02	01.06.2021	DRAFT ISSUE

PROJECT NUMBER
60618532

SHEET TITLE
STORMWATER DRAINAGE
PLAN

SHEET NUMBER
60618532-SHT-00-1000-CI-0621

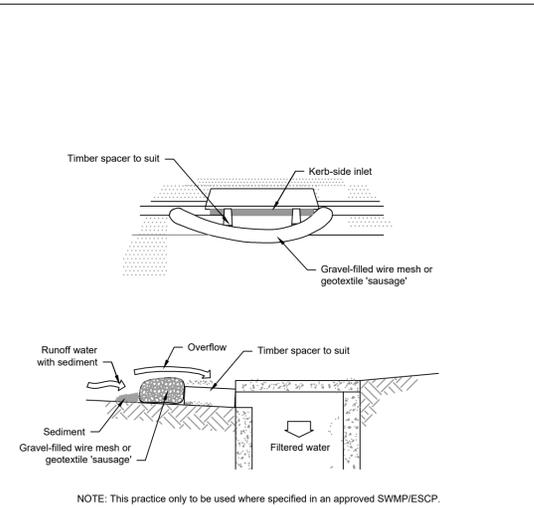
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Construction Notes

- Construct sediment fences as close as possible 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.

SEDIMENT FENCE SD 6-8

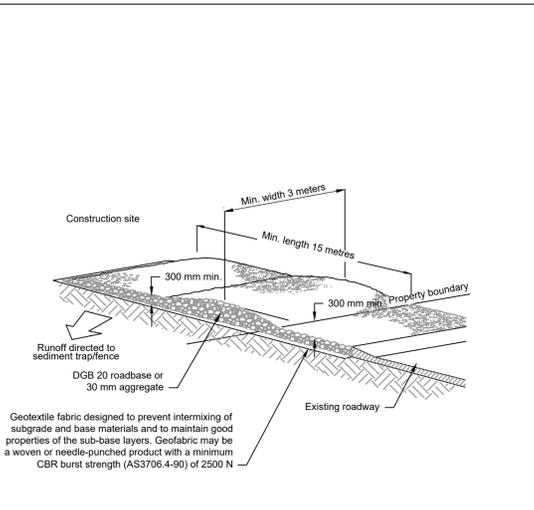


Construction Notes

- 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.

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

MESH AND GRAVEL INLET FILTER SD 6-11



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.

STABILISED SITE ACCESS SD 6-14

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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

JD	BO	GR
DESIGNER	CHECKED	APPROVED

PROJECT DATA

DATUM	SURVEY
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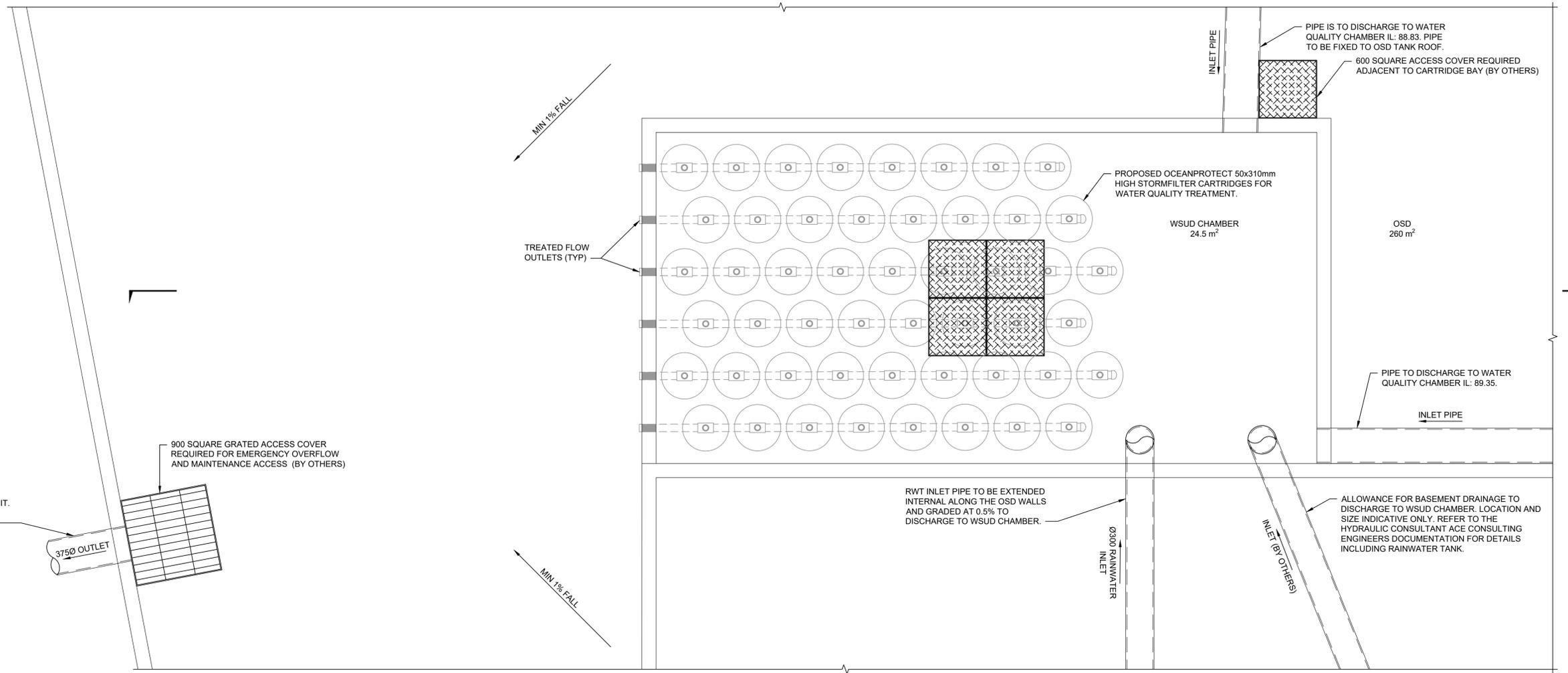
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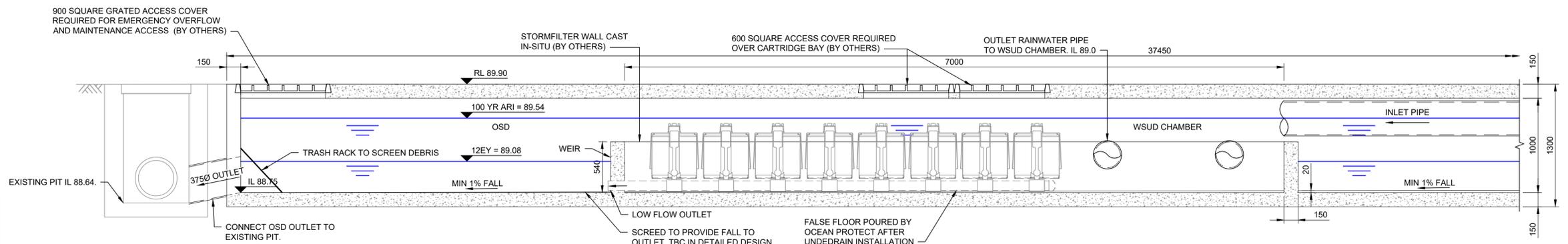
SHEET TITLE
DETAILS
EROSION AND SEDIMENT CONTROL

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

FOR INFORMATION ONLY



- 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.
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.

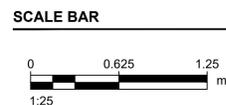
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PROJECT
DORAN DRIVE
PRECINCT



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01	01.06.2021	COORDINATION ISSUE

PROJECT NUMBER
60618532
SHEET TITLE
DETAILS
STORMWATER DRAINAGE

SHEET NUMBER
60618532-SHT-00-1000-CI-0951

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