

# AVEO BAYVIEW

## 36-42 CABBAGE TREE RD, BAYVIEW NSW 2014



LOCALITY PLAN  
SOURCE: GOOGLE MAPS - 19.08.2024  
NOT TO SCALE

DRAWING SCHEDULE	
DRAWING NO.	DRAWING NAME
CE000	COVER SHEET
CE001	GENERAL NOTES
CE100	GENERAL ARRANGEMENT PLAN
CE101	STORMWATER PLAN 1
CE102	STORMWATER PLAN 2
CE200	CIVIL DETAILS
CE300	SEDIMENT AND EROSION CONTROL PLAN
CE301	SEDIMENT AND EROSION CONTROL PLAN 2
CE350	SEDIMENT AND EROSION CONTROL DETAILS

PRINTING NOTE:  
THIS DRAWING TO BE  
PRINTED IN COLOUR.



100% TENDER

Revision	Description	Initial	Date	Client
B	ISSUE FOR 100% TENDER			<b>AVEO GROUP</b> LEVEL 11/36 CLARENCE STREET, SYDNEY, NSW.2000
A	ISSUE FOR 75% TENDER			Architect <b>BOKER</b> LEVEL 1/88 FOVEAUX STREET SURRY HILLS, NSW, 2010

Building Services Consultants

Consulting : Engineering

Melbourne

Sydney

Brisbane

www.adpconsulting.com.au    adpconsulting@adpconsulting.com.au

Project
<b>AVEO BAYVIEW</b> 36-42 CABBAGE TREE ROAD, BAYVIEW NSW 2014

Drawing Title
<u>CIVIL ENGINEERING SERVICES</u> COVER SHEET

Drafted	Designed	Approved	Date	Scale	Sheet Size
HI	HI	AA	SEP 2024	NTS	@ A1
Job Number		Drawing Number		Revision	
SYD2940		CE000		B	
North Point					



## GENERAL

- ALL DIMENSIONS SHOWN ON THE DRAWINGS ARE IN MILLIMETERS AND ALL LEVELS ARE IN METRES (U.N.O.)
- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL AND OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ALL DISCREPANCIES SHALL BE REFERRED TO THE ARCHITECT AND ENGINEER BEFORE PROCEEDING WITH THE WORK.
- DIMENSIONS SHALL NOT BE OBTAINED BY SCALING OF THESE DRAWINGS. USE FIGURED DIMENSIONS ONLY.
- SETTING OUT DIMENSIONS AND LEVELS SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR.
- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT EDITIONS, INCLUDING AMENDMENTS OF THE RELEVANT STANDARDS AND CODES OF PRACTICE EXCEPT AS VARIED BY THE CONTRACT DOCUMENTS AND THE LAWS AND REQUIREMENTS OF THE STATUTORY AUTHORITIES.
- ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH ALL THE WORKCOVER REQUIREMENTS AND OCCUPATIONAL HEALTH AND SAFETY ACT REGULATIONS
- WHERE THE ENGINEERS ARE ENGAGED FOR INSPECTIONS AND/OR SUPERVISION A MINIMUM OF 24 HOURS NOTICE SHALL BE GIVEN.
- DURING CONSTRUCTION, THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVER-STRESSED. TEMPORARY STRUCTURES, FORMWORK, FALSEWORK, TEMPORARY BRACING, SHORING AND THE LIKE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- CONSTRUCTION USING THESE DRAWINGS SHALL NOT COMMENCE UNTIL A CONSTRUCTION CERTIFICATE IS ISSUED BY THE PRINCIPAL CERTIFYING AUTHORITY

## GROUND PREPARATION:

- EXCAVATION AND GROUND PREPARATION SHALL BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION FOLLOWING THE RECOMMENDATIONS OF THE GEOTECHNICAL REFERENCES AND ANY ADDITIONAL INSTRUCTIONS THAT MAY BE PROVIDED BY A GEOTECHNICAL ENGINEER DURING THE COURSE OF THE PROJECT.

## STORMWATER DRAINAGE

- SELECTION AND INSTALLATION OF PITS, PIPES, TANKS AND TRENCHES SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF AS/NZS3500, LOCAL AND STATUTORY REQUIREMENTS (U.N.O.)
- THE CONTRACTOR SHALL IDENTIFY AND LOCATE ALL SERVICES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- SEDIMENT AND EROSION CONTROLS TO BE PROVIDED IN ACCORDANCE WITH ALL LOCAL AND STATUTORY REGULATIONS.
- WHERE REQUIRED, STORMWATER EASEMENTS SHALL BE OBTAINED BY THE OWNER. ALL NEGOTIATIONS/COMPENSATION PAYMENTS AND THE INTEGRATION OF ANY EASEMENTS INTO THE TITLE DOCUMENTS SHALL BE BY THE OWNER UNLESS AGREED OTHERWISE.
- REFER TO ARCHITECT FOR BUILDING AND DRIVEWAY SETOUT.
- PIPE POSITIONS ARE INDICATIVE ONLY. FINAL POSITIONS TO BE DETERMINED ON-SITE AND SHALL CONFORM WITH THE INTENT OF THE DESIGN.
- THE ENGINEER SHALL BE ADVISED IF ANY EXISTING STRUCTURES ARE WITHIN THE ZONE OF INFLUENCE OF AN EXCAVATION. ANY REQUIRED UNDER-PINNING OR PIERING SHALL BE PROVIDED.
- WHERE EXCAVATING ADJACENT TO BOUNDARIES, ADEQUATE SHORING SHALL BE PROVIDED.
- THE CONTRACTOR SHALL ENSURE THAT ALL NEW STRUCTURES ARE FOUNDED BELOW THE ZONE OF INFLUENCE OF ANY EXCAVATIONS WHETHER THEY BE FOR PIPELINES, TANKS OR OTHER DRAINAGE FACILITIES.
- UNLESS NOTED OTHERWISE, THE MAXIMUM DEVIATION FROM NOMINATED LEVELS SHALL BE  $\pm 10\text{mm}$ , EXCEPT IN INSTANCES WHERE SUCH A DEVIATION COULD HAVE ADVERSE EFFECTS, IN WHICH CASE THE ENGINEER SHALL BE CONSULTED.
- LOAD CLASS FOR COVERS/GRATES SHALL BE IN ACCORDANCE WITH AS3996 - 2019. COMMON CASES ARE SUMMARISED IN THE FOLLOWING TABLE:-

CLASS	LOADING	DESCRIPTION
A	10kn	INACCESSIBLE TO VEHICLES, PEDESTRIAN TRAFFIC ONLY
B	80kn	FOR USE ON FOOTWAYS WHERE IT IS POSSIBLE FOR LIGHT VEHICLES OR LIVESTOCK TO USE THE PEDESTRIAN FACILITY
C	150kn	FOR USE IN PEDESTRIAN ACCESS INCLUDING OCCASIONAL MOTOR VEHICLES WITH WHEEL LOADS NOT EXCEEDING 3.7 TONNES OR FOR USE IN MINOR RESIDENTIAL ROADS & CUL-DE-SACS CARRYING SLOW MOVING COMMERCIAL VEHICLES (GENERATING NO IMPACT LOADING) WHERE WHEEL LOADS WILL NOT EXCEED 7.5 TONNES
D	210kn	FOR USE IN CARRIAGEWAYS OF ROADS WHICH CARRY FAST MOVING HEAVY VEHICLES WITH WHEEL LOADS NOT EXCEEDING 5.2 TONNES OR FOR USE IN AREAS TRAFFICKED BY SLOW MOVING HEAVY VEHICLES WITH WHEEL LOADS NOT EXCEEDING 10.5 TONNES

- UNTIL COMPLETION OF ALL WORKS, THE CONTRACTOR SHALL FIRSTLY FILTER ALL STORMWATER IN ACCORDANCE WITH APPROVED DETAILS TO ENSURE THE REMOVAL OF ALL CONCRETE AND PLASTERING FINES, AND OTHER BUILDING SITE POLLUTANTS.
- THE CONTRACTOR SHALL SEEK DIRECTION BEFORE COMMENCING ANY EXCAVATION THAT MAY RESULT IN DAMAGE TO ANY EXISTING TREES.
- RETAINING STRUCTURES SHALL BE PROVIDED AS REQUIRED IN ORDER TO ACHIEVE THE LEVELS NOMINATED ON THE DRAWINGS. THESE STRUCTURES SHALL COMPLY WITH ALL LOCAL AND STATUTORY REGULATIONS, AND MAY REQUIRE DESIGN BY AN ENGINEER.
- UNLESS NOTED OTHERWISE, WHERE A PIT INVERT IS BELOW THE INVERT OF THE LOWEST OUTLET PIPE, THE CONTRACTOR SHALL EITHER PROVIDE DRAINAGE HOLES IN THE BASE OF THE PIT OR ELSE FILL THE BASE OF THE PIT WITH MASS CONCRETE TO THE INVERT OF THE LOWEST OUTLET PIPE.
- WHERE REQUIRED BY REGULATIONS, STEP IRONS IN ACCORDANCE WITH AS1657 SHALL BE INSTALLED IN DEEP PITS/TANKS TO ALLOW ACCESS FOR MAINTENANCE. PIT COVERS OVER DEEP PITS SHALL BE 'CHILD-PROOFED' BY BOLTING THEM DOWN, EXCEPT WHERE THE COVER WEIGHS OVER 30kg.
- ALL IMPERVIOUS SURFACES SHALL BE GRADED SUCH THAT THEY ARE FREE DRAINING.
- YARD PITS SHALL BE PROVIDED AS REQUIRED. YARDS SHALL BE GRADED TO FALL TO PITS UNLESS INDICATED OTHERWISE (eg. BY DESIGN CONTOURS, SPOT LEVELS OR A NOTE).

## STORMWATER DRAINAGE CONTINUED

- WHERE REQUIRED BY THE PRINCIPAL CERTIFIER, WORK-AS-EEXECUTED DETAILS SHALL BE PREPARED BY A REGISTERED SURVEYOR/CHARTERED PROFESSIONAL ENGINEER VERIFYING THAT THE DRAINAGE SYSTEM HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE DRAWINGS. ANY DEVIATIONS FROM THE APPROVED PLANS SHALL BE NOTED AND BROUGHT TO THE ATTENTION OF THE ENGINEER. ADEQUATE INSPECTIONS SHOULD BE CARRIED OUT DURING THE COURSE OF CONSTRUCTION.
- WHERE AN ENGINEER'S CERTIFICATE WILL BE REQUIRED, THE ENGINEER SHALL BE CALLED ON TO INSPECT THE WORKS PRIOR TO ANY CONCRETE POURS, PRIOR TO BACKFILLING AROUND ANY TANKS, AND AT THE COMPLETION OF WORKS. THE ENGINEER SHALL BE GIVEN A MINIMUM OF 24 HOURS NOTICE BEFORE AN INSPECTION IS REQUIRED.
- ANY PROPOSED ALTERATIONS TO THE DETAILS SHOWN ON THE DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
- LEAF SCREENS, SILT CONTROLS AND ANY OTHER POLLUTANT CONTROL DEVICES SHALL BE REGULARLY SERVICED TO ENSURE THAT THE DRAINAGE SYSTEM REMAINS UNBLOCKED AND OPERATES AS ORIGINALLY INTENDED.
- OVERLAND FLOW PATHS SHALL BE REGULARLY MAINTAINED AND KEPT FREE OF OBSTRUCTIONS TO THE FLOW OF WATER.
- SUBSOIL DRAINAGE LINES SHALL BE PROVIDED BEHIND RETAINING WALLS AND OTHER AREAS AS REQUIRED TO RELIEVE HYDROSTATIC PRESSURE AND DRAIN GROUND WATERS. CONNECT INTO THE DRAINAGE SYSTEM IN SUCH A WAY AS TO AVOID BACKFLOW OF STORMWATER INTO THE SUBSOIL DRAINAGE LINE. IF IN DOUBT REFER TO ENGINEER.
- NEW FENCES, RETAINING WALLS AND OTHER LANDSCAPING ITEMS SHALL BE DETAILED IN SUCH A WAY SO AS TO AVOID IMPOUNDING OR DIVERTING SURFACE WATERS ON TO ADJOINING PROPERTIES.
- UPON COMPLETION, PIPE/PIT EXCAVATIONS SHALL BE BACKFILLED WITH SUITABLE COMPACTED MATERIAL IN ACCORDANCE WITH NOTES BELOW.
- ALL PVC PIPES ARE TO BE:-
  - SEWER GRADE (U.N.O.)
- INSTALLED AND BACKFILLED IN ACCORDANCE WITH AS2566.1
- ALL CONCRETE PIPES ARE TO BE:-
  - STRENGTH LOAD CLASS 4 (U.N.O.)
  - INSTALLED AND BACKFILLED IN ACCORDANCE WITH AS3725 WITH CLASS H2 BEDDING SUPPORT.
- ALL PIPES ARE TO BE INSTALLED WITH 450mm MINIMUM COVER (U.N.O.), WHERE ADEQUATE COVER CANNOT BE PROVIDED PIPES SHALL BE ENCASED IN CONCRETE. REFER TO ENGINEER FOR DETAILS.
- THE CONTRACTOR SHALL ADEQUATELY SHIELD PIPES AGAINST CONSTRUCTION AND PERMANENT LOADS.
- PIPES HAVE BEEN DESIGNED TO WITHSTAND SM1600 TRAFFIC LOADING IN ACCORDANCE WITH AS5100

## EXISTING SERVICES

- UTILITY INFORMATION SHOWN ON THE PLANS IS NOT INTENDED TO DEPICT MORE THAN THE PRESENCE OF ANY SERVICES. ACTUAL LOCATIONS SHOULD BE VERIFIED BY HAND EXCAVATION PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL ALLOW FOR THE CAPPING OFF, EXCAVATION AND REMOVAL (IF REQUIRED) OF ALL EXISTING SERVICES IN AREAS AFFECTED BY THE WORKS.
- THE CONTRACTOR SHALL ENSURE THAT SERVICES TO ALL BUILDINGS NOT AFFECTED BY THE WORKS ARE NOT DISRUPTED AT ALL TIMES. THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS REMAINING WHERE REQUIRED. ONCE THE WORKS ARE COMPLETE AND COMMISSIONED THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD ALL DISTURBED AREAS.

## EROSION CONTROL

- TEMPORARY PROTECTION FROM WIND AND WATER EROSION WILL BE UNDERTAKEN ON LANDS WHERE WORKS ARE UNLIKELY TO PROCEED FOR PERIODS OF AT LEAST TWO MONTHS AND FINAL SHAPING HAS NOT BEEN COMPLETED (eg. TOPSOIL STOCKPILES). THIS MAY BE ACHIEVED WITH A VEGETATIVE COVER. A RECOMMENDED LISTING OF PLANT SPECIES FOR TEMPORARY COVER IS AS FOLLOWS:-  
SEPTEMBER - MARCH SOWING - JAPANESE MILLET @ 50 KG/HA  
APRIL - AUGUST SOWING - OATS/RYE/CORN @ 50 KG/HA  
- TETILA RYE @ 5 KG/HA  
FOOT AND VEHICULAR TRAFFIC SHOULD BE KEPT AWAY FROM ANY REHABILITATED AREAS WHERE PRACTICAL.
- DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS ARE TO BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER FOR DUST CONTROL.
- FINAL SITE LANDSCAPING WILL BE UNDERTAKEN ON EACH PRECINCT/AREA AS SOON AS POSSIBLE AND WITHIN 20 WORKING DAYS FROM COMPLETION OF CONSTRUCTION ACTIVITIES.

## LAND DISTURBANCE

- THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE AND PRACTICAL. TO THIS END, WORKS IS TO BE UNDERTAKEN IN THE FOLLOWING GENERAL SEQUENCE:-
  - CONSTRUCTION OF SEDIMENT AND EROSION CONTROLS PRIOR TO ANY WORK COMMENCING.
  - REHABILITATION OF ANY DISTURBED LANDS WITHIN 20 WORKING DAYS.
  - UNDERTAKE SITE DEVELOPMENT WORKS IN ACCORDANCE WITH THE ENGINEERING PLANS. WHERE POSSIBLE, PHASE DEVELOPMENT SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF WORKABLE SIZE.
- THE SITE MANAGER (PRINCIPAL CONTRACTOR) IS TO INFORM ALL CONTRACTORS AND SUBCONTRACTORS OF THEIR OBLIGATIONS UNDER THE EROSION AND SEDIMENT CONTROL PLAN.
- TOPSOIL FROM ALL AREAS THAT WILL BE DISTURBED IS TO BE STRIPPED AND STOCKPILED AT THE NOMINATED LOCATION.
- CUT AND FILL BATTER GRADIENTS TO BE 1 VERTICAL (MAX) : 2 HORIZONTAL (MIN).

## INSPECTION AND MAINTENANCE:

- THE SITE MANAGER (PRINCIPAL CONTRACTOR) WILL ENSURE THAT ALL SEDIMENT AND EROSION CONTROL WORKS ARE LOCATED AS INSTRUCTED IN THIS SPECIFICATION OR IN ANY SUBSEQUENT SITE INSTRUCTION
- ALL BUILDERS AND SUB-CONTRACTORS SHALL BE INFORMED OF THEIR RESPONSIBILITIES BY THE SITE MANAGER (PRINCIPAL CONTRACTOR) IN MINIMISING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWNSLOPE LANDS AND WATERWAYS.
- RECEPTORS FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER ARE TO BE EMPTIED AS NECESSARY. DISPOSAL OF WASTE SHALL BE IN A MANNER APPROVED BY THE SITE SUPERINTENDENT AND GENERALLY OFF SITE.
- AT LEAST WEEKLY, THE CONTRACTOR SHALL INSPECT THE SITE AND ENSURE THAT:-
  - DRAINS OPERATE EFFECTIVELY AND INITIATE REPAIR OR MAINTENANCE AS REQUIRED.
  - SPILLED SOIL (OR OTHER MATERIAL) IS REMOVED FROM HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS, GUTTERS, PAVED AREAS AND DRIVEWAYS.
  - SEDIMENT IS REMOVED FROM BASINS AND/OR TRAPS WHEN LESS THAN 20m OF TRAPPING CAPACITY REMAIN PER 1000m<sup>2</sup> OF DISTURBED LANDS, AND/OR LESS THAN 500mm DEPTH REMAINS IN THE SETTLING ZONE. ANY COLLECTED SEDIMENT WILL BE DISPOSED IN AREAS WHERE FURTHER POLLUTION TO DOWNSLOPE LANDS AND WATERWAYS IS UNLIKELY.
  - REHABILITATED LANDS HAVE EFFECTIVELY REDUCED THE EROSION HAZARD AND INITIATE UPGRADING OR REPAIRS AS APPROPRIATE.
- THE CONTRACTOR SHALL PROVIDE A DETAILED 'LOG BOOK' RECORDING INFORMATION & DATA WITH RESPECT TO THE SEDIMENT & EROSION CONTROL PLAN AND TO ENSURE SEDIMENT CONTROL DEVICES ARE FUNCTIONING PROPERLY. THIS IS TO BE KEPT ON SITE AT ALL TIMES AND UPDATED DAILY. INFORMATION RECORDED MUST INCLUDE:-
  - RAINFALL EVENTS
  - RAINFALL IN MILLIMETRES
  - RESULTS OF ANY INSPECTIONS

## SEDIMENT CONTROL

- THE ARRANGEMENT OF SEDIMENT CONTROL MEASURES SHOWN ON THE PLAN ARE INDICATIVE ONLY AND RELATE TO A PARTICULAR STAGE OF THE CONSTRUCTION WORKS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DESIGN, CONSTRUCT AND MAINTAIN ANY ADDITIONAL MEASURES THAT MAY BE REQUIRED FOR THE CONTRACTOR'S CONSTRUCTION METHODOLOGIES, IN ORDER TO MEET ALL CONDITIONS AND REQUIREMENTS IMPOSED BY ANY STATUTORY AUTHORITY.
- ALL SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO ANY SITE DISTURBANCE.
- STOCKPILES ARE NOT TO BE LOCATED WITHIN 2m OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS, PAVED AREAS AND DRIVEWAYS, WHERE THEY ARE BETWEEN 2m AND 5m FROM SUCH AREAS. SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION OF DOWNSLOPE WATERWAYS (eg. THROUGH INSTALLATION OF SEDIMENT FENCING).
- WATER IS TO BE PREVENTED FROM ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS THE CATCHMENT AREA HAS BEEN PERMANENTLY LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN FILTERED THROUGH AN APPROVED STRUCTURE.
- CONSTRUCT SEDIMENT FENCE AS CLOSE AS POSSIBLE TO PARALLEL TO THE CONTOURS OF THE SITE.
- A STRIP OF TURF 600mm WIDE IS TO BE PLACED IMMEDIATELY BEHIND THE KERB ON ALL NEW ROADS TO ACT AS A FILTER TRAP.
- ALL EXPOSED FILL AREAS ARE TO BE LEFT WITH A LIP AT THE TOP OF THE SLOPE AT THE END OF EACH DAYS OPERATION.
- ALL CUT AND FILL SLOPES ARE TO BE SEEDED AND MULCHED WITHIN 10 DAYS OF COMPLETION OF FORMATION.
- ANY SAND USED IN THE CONCRETE CURING PROCESS (SPREAD OVER THE SURFACE) IS TO BE REMOVED AS SOON AS POSSIBLE AND WITHIN 10 WORKING DAYS AFTER PLACEMENT.
- TEMPORARY SEDIMENT AND EROSION CONTROL STRUCTURES ARE TO BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE REHABILITATED AND WHEN REMOVAL IS APPROVED BY THE SITE SUPERINTENDENT.

## UTILITIES

- LOCATE ALL PIPES, DUCTS, CABLES, RETAINING WALLS AND EXCAVATIONS OUTSIDE A 1:2 (VERTICAL:HORIZONTAL) ZONE OF INFLUENCE FROM THE BOTTOM EDGE OF THE FOOTING.
- THE CONTRACTOR MUST TAKE EVERY PRECAUTION TO PROTECT EXISTING GAS, WATER, STORMWATER, SEWERAGE, ELECTRICITY, TELEPHONE CONDUITS AND OTHER EXISTING WORKS AND SERVICES.
- CIVIL WORKS REQUIRED TO PROTECT EXISTING SERVICES IS TO BE AT THE FULL COST OF THE CONTRACTOR.

## PAVEMENTS

- WHERE NEW WORKS ARE TO MATCH EXISTING, THE LEVELS GIVEN ARE APPROXIMATE ONLY. ALL NEW WORKS MUST NEATLY JOIN IN WITH EXISTING LEVELS.
- PRIOR TO THE CONSTRUCTION OF NEW ROAD PAVEMENTS, THE SUBGRADE CBR SHALL BE CONFIRMED.
- ADJUST SERVICE COVERS AS NECESSARY TO SUIT PROPOSED LEVELS PROVIDED ON ENGINEERING DRAWINGS.
- ALL JUNCTIONS BETWEEN NEW AND EXISTING PAVEMENT/KERB AND GUTTER WORKS SHALL BE NEATLY SAW CUT.

## EARTHWORKS

- ALL TREES AND SHRUBS (UNLESS NOTED TO BE PROTECTED ON THE LANDSCAPE PLANS), RUBBLE, EXISTING PAVEMENT AND EXISTING STRUCTURES WITHIN THE SITE SHALL BE REMOVED AND REUSED OR RECYCLED WHERE POSSIBLE. WHERE NOT POSSIBLE, THIS MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF AS PART OF THE CONTRACT.
- ANY TREES WITHIN THE WORKS AREA WHICH, IN THE OPINION OF THE CONTRACT ADMINISTRATOR, ARE UNSOUND OR WOULD CONSTITUTE A DANGER, SHALL BE CUT DOWN AND REMOVED (EXCEPT THOSE IDENTIFIED AS BEING PROTECTED). ALL STUMPS OF TREES CUT DOWN WITHIN THE BOUNDS OF THE CONSTRUCTION AREA WHICH ARE LARGER THAN 250mm IN GIRTH, SHALL BE COMPLETELY REMOVED.
- ALL ROOTS SHALL BE REMOVED FOR A DEPTH OF 1m. CAVITIES FORMED BY THE REMOVAL OF ROOTS SHALL BE BACKFILLED AND COMPACTED.
- AFTER CLEARING AND GRUBBING ARE COMPLETE, THE CONTRACTOR SHALL STRIP AND STOCKPILE TOPSOIL FROM THE CLEARED AREA (INCLUDING AREAS THAT HAVE BEEN CLEARED AND GRUBBED). REMOVAL OF TOPSOIL FROM ANY SECTION OF THE WORKS SHALL ONLY COMMENCE AFTER SEDIMENT AND EROSION CONTROLS HAVE BEEN IMPLEMENTED.
- TOPSOIL SHALL BE STRIPPED FROM WITHIN THE FORMATION AREAS OF ROADS, PATHWAYS, BUILDING PADS AND MISCELLANEOUS PAVEMENTS, INCLUSIVE OF BATTERS, AND IS TO BE CONSERVED FOR THE TOP-DRESSING OF FORMED FOOTWAYS, BERMS AND BATTERS TO THE SPECIFIED DEPTH, OR WHERE NO DEPTH IS SPECIFIED TO A MINIMUM DEPTH OF 150mm, OR AS DETERMINED ON-SITE.
- EXCAVATED FILL MATERIAL NOT SUITABLE FOR REUSE ON-SITE MUST BE REMOVED OFF-SITE OR OTHERWISE USED IN LANDSCAPING AREAS WHERE AGREED IN ADVANCE WITH ENGINEER.
- EROSION AND SEDIMENT CONTROL MUST BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL CITY COUNCIL DCP, DA AND CC CONDITIONS, AND BE INSTALLED TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO LIMIT THE CREATION OF DUST NUISANCE, WHICH MIGHT ARISE DURING THE EXECUTION OF THE WORKS.
- FILL MATERIAL MUST BE PLACED IN MAXIMUM LAYERS OF 200mm (LOOSE) AND COMPACTED TO THE LEVELS AS SPECIFIED ON THE DRAWINGS.
- COMPACTED FILL MUST BE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF AS3798 AND AS GIVEN IN THE CIVIL SPECIFICATION.
- THE DESIGN CONTOURS AND LEVELS SHOWN ON THE EARTHWORKS DRAWINGS ARE THE FINISHED SURFACE LEVELS UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL PROOF ROLL THE PREPARED SUBGRADE AND EXCAVATED SURFACES IN THE PRESENCE OF THE CONTRACT ADMINISTRATOR. PROOF ROLLING SHALL COMPRISE 6 PASSES OF A MINIMUM 12 TONNE DEADWEIGHT ROLLER. THE FINAL PASS IS TO BE WITNESSED BY A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER. THERE SHALL BE NO VISIBLE DEFLECTION OF THE SURFACE BEING PROOF ROLLED.

## KERBING

- ALL KERBS, GUTTERS, DISH DRAINS AND CROSSINGS TO BE CONSTRUCTED ON MINIMUM 75mm GRANULAR BASECOURSE COMPACTED TO MINIMUM 98% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS1289 5.2.1.
- EXPANSION JOINTS (EJ) TO BE FORMED FROM 10mm COMPRESSIBLE CORK FILLER BOARD FOR FULL DEPTH OF THE SECTION AND CUT TO PROFILE. EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS, ON TANGENT POINTS OF CURVES AND ELSEWHERE AT 12m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE THE EXPANSION JOINTS ARE TO MATCH THE JOINT LOCATIONS IN SLABS.
- WEAKENED PLANE JOINTS TO BE MINIMUM 3mm WIDE AND LOCATED AT 3m CENTRES EXCEPT FOR INTEGRAL KERBS WHERE WEAKENED PLANE JOINTS ARE TO MATCH THE JOINT LOCATIONS IN SLABS.
- PROVIDE BROOM FINISH TO ALL RAMPS AND VEHICULAR CROSSINGS. ALL OTHER KERBS OR DISH DRAINS TO BE STEEL FLOAT FINISHED.
- WHERE REPLACEMENT OF EXISTING KERBING IS REQUIRED, ROAD PAVEMENT IS TO BE SAWCUT 900mm FROM LIP OF GUTTER. UPON COMPLETION OF NEW KERBS, NEW BASECOURSE AND SURFACE IS TO BE LAID 900mm WIDE. MAKE GOOD ANY DAMAGE TO SURROUNDING KERBING OR PAVEMENT. EXISTING KERBS ARE TO BE COMPLETELY REMOVED WHERE NEW KERBS ARE SHOWN.

## LINE MARKING

- CAR PARK LINE MARKING TO BE IN ACCORDANCE WITH RTA SPEC R141 AND AS1742.2.
- MARKING TO BE WATER BOURNE PAINT 300 MICRON DRY FILM THICKNESS.
- CAR PARK BAY LINE TO BE 100mm WIDE CONTINUOUS WHITE ARROWS. LENGTH AND SHAPE AS PER STANDARDS.

# 100% TENDER

Revision	Description	Initial	Date
B	ISSUE FOR 100% TENDER	HI	20.09.2024
A	ISSUE FOR 75% TENDER	HI	30.08.2024

Client <b>AVEO GROUP</b> LEVEL 11/36 CLARENCE STREET, SYDNEY, NSW, 2000
Architect <b>BOKER</b> LEVEL 1/88 FOVEAUX STREET SURRY HILLS, NSW, 2010

Building Services Consultants



Project

**AVEO BAYVIEW**

36-42 CABBAGE TREE ROAD,  
BAYVIEW NSW 2014

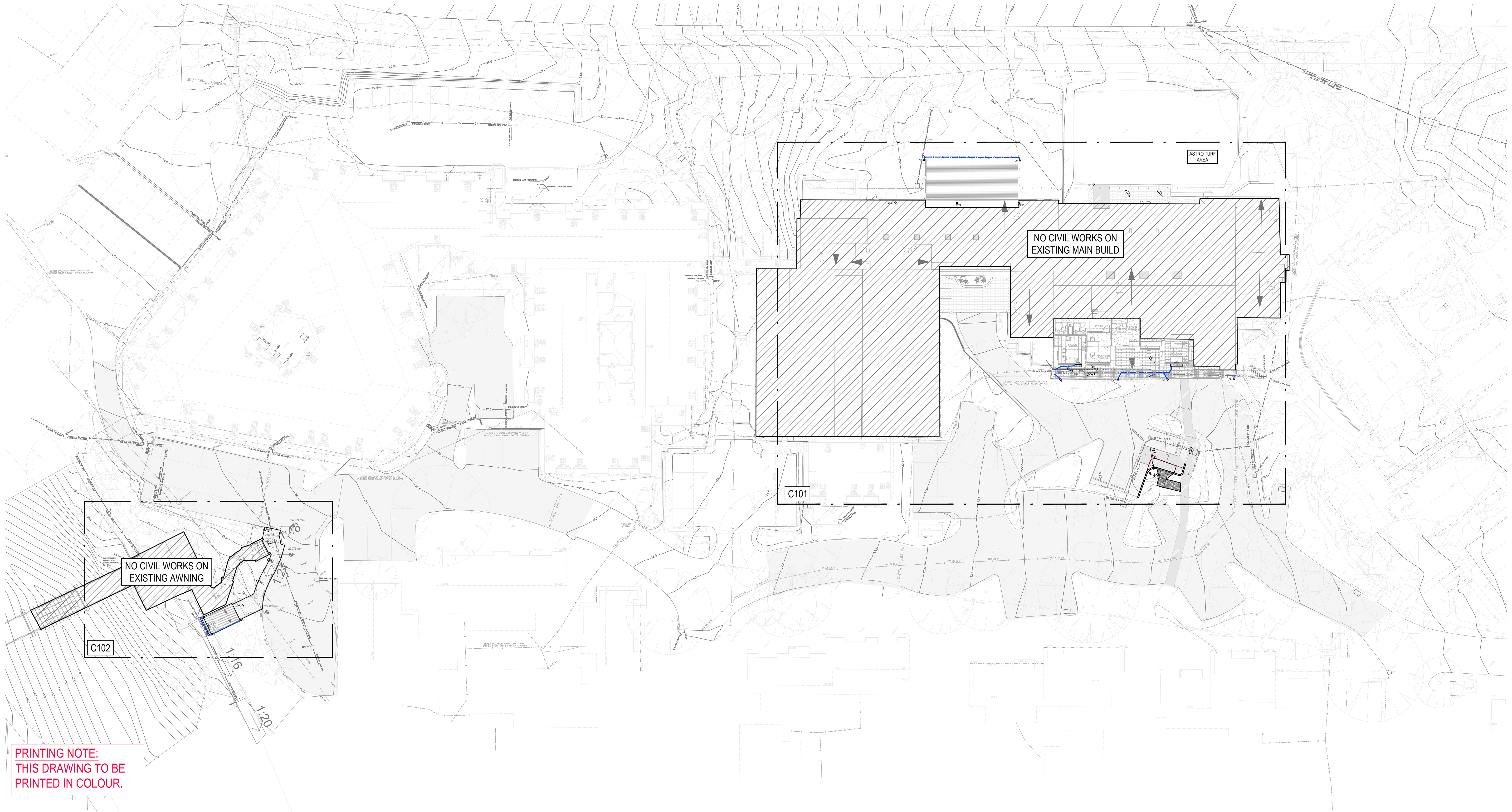
Drawing Title

**CIVIL ENGINEERING SERVICES**

GENERAL NOTES

Drafted	Designed	Approved	Date	Scale	Sheet Size
HI	HI	AA	SEP 2024		@ A1
Job Number	Drawing Number	Revision	North Point		
SYD2940	CE001	B			





**PRINTING NOTE:**  
THIS DRAWING TO BE  
PRINTED IN COLOUR.

**LEGEND**

- SITE BOUNDARY
- EXISTING CONTOUR (0.2m)
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- GRATED SURFACE INLET PIT
- GTD
- STORMWATER PIT NAME
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING ELECTRICAL LINE
- EXISTING TELECOMMUNICATION LINE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- EXISTING ELECTRICAL LINE
- EXISTING TELECOMMUNICATION LINE
- RETAINING WALL
- NO WORK ON EXISTING STRUCTURE

GENERAL ARRANGEMENT PLAN  
SCALE 1:250

- NOTES:**
1. ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE.
  2. ALL REDUCED LEVELS ARE IN mAHD.
  3. SURVEY INFORMATION OBTAINED FROM CMS SURVEYORS PTY LTD'S DRAWING TITLED 'SURVEY PLAN SHOWING DETAIL & LEVELS OVER PART OF LOT 121 IN DP789400 & PART LOT 6 IN DP260157 No.36-42 CABBAGE TREE ROAD, BAYVIEW, NSW, 2104, DATED 20/06/2024.
  4. PROPOSED STORMWATER PIPES TO HAVE MINIMUM PIPE FALLS AS PER BELOW:
    - A. DIAMETER ≤ 150mm: 1.0% FALL
    - B. DIAMETER ≥ 225mm: 0.5% FALL
  5. SLAB/PAVEMENT TO HAVE MINIMUM 1% FALL TOWARDS STORMWATER INLETS AS PER AS2890 REQUIREMENTS.

**100% TENDER**

Revision	Description
B	ISSUE FOR 100% TENDER
A	ISSUE FOR 75% TENDER

Initial	Date	Client
HI	20.09.2024	<b>AVEO GROUP</b> LEVEL 11/35 CLARENCE STREET, SYDNEY, NSW, 2000
HI	30.08.2024	Architect <b>BOKER</b> LEVEL 1/88 FOVEAUX STREET SURRY HILLS, NSW, 2010

Building Services Consultants

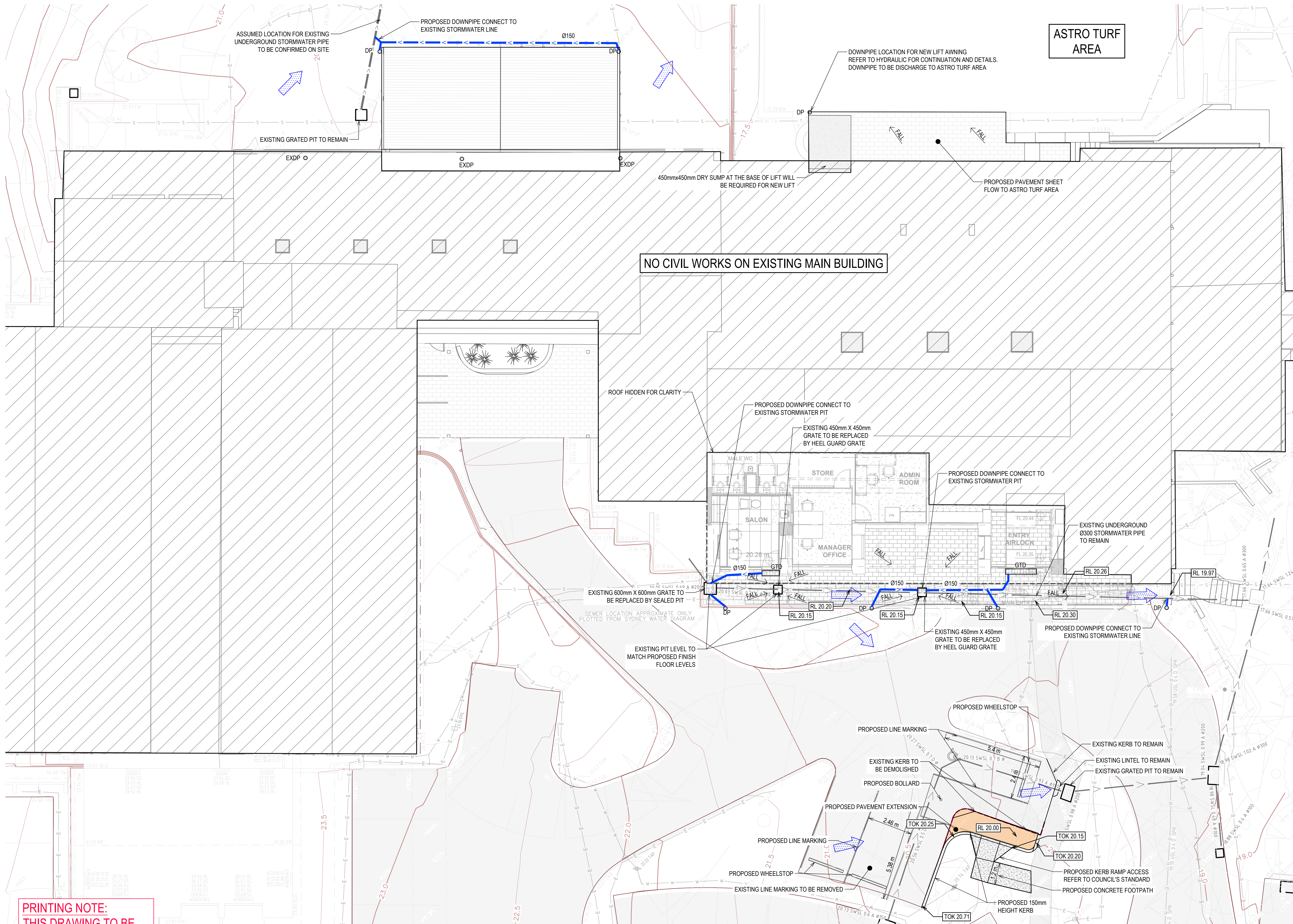
Melbourne Sydney Brisbane  
www.adpconsulting.com.au adpconsulting@adpconsulting.com.au

Project
<b>AVEO BAYVIEW</b> 36-42 CABBAGE TREE ROAD, BAYVIEW NSW 2014

Drawing Title
<b>CIVIL ENGINEERING SERVICES</b> GENERAL ARRANGEMENT PLAN

Drafted	Designed	Approved	Date	Scale	Sheet Size
HI	HI	AA	SEP 2024	1:250 @	A1
Job Number	Drawing Number	Revision	North Point		
SYD2940	CE100	B			





**LEGEND**

- SITE BOUNDARY
- EXISTING CONTOUR (0.3m)
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- [Symbol] GRATED SURFACE INLET PIT
- [Symbol] SEALED JUNCTION PIT
- [Symbol] GRATED DRAIN
- [Symbol] STORMWATER PIT NAME
- [Symbol] FINISHED RL
- [Symbol] OVERLAND FLOW DIRECTION
- EXISTING ELECTRICAL LINE
- EXISTING TELECOMMUNICATION LINE
- EXISTING SEWER LINE
- EXISTING WATER LINE
- [Symbol] NO WORK ON EXISTING STRUCTURE
- [Symbol] PROPOSED PAVEMENT

- NOTES:**
- ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE.
  - ALL REDUCED LEVELS ARE IN mAHD.
  - SURVEY INFORMATION OBTAINED FROM CMS SURVEYORS PTY LTD'S DRAWING TITLED 'SURVEY PLAN SHOWING DETAIL & LEVELS OVER PART OF LOT 121 IN DP789400 & PART LOT 6 IN DP260157 No.36-42 CABBAGE TREE ROAD, BAYVIEW, NSW, 2104', DATED 20/06/2024.
  - PROPOSED STORMWATER PIPES TO HAVE MINIMUM PIPE FALLS AS PER BELOW:
    - A. DIAMETER ≤ 150mm: 1.0% FALL
    - B. DIAMETER ≥ 225mm: 0.5% FALL
  - SLAB/PAVEMENT TO HAVE MINIMUM 1% FALL TOWARDS STORMWATER INLETS AS PER AS2890 REQUIREMENTS.

**PRINTING NOTE:**  
THIS DRAWING TO BE PRINTED IN COLOUR.

**STORMWATER PLAN 1**  
SCALE 1:100

**100% TENDER**

Revision	Description
C	ISSUE FOR 100% TENDER
B	ISSUE FOR 75% TENDER
A	ISSUE FOR 50% TENDER

Initial	Date	Client
HI	20.09.2024	<b>AVEO GROUP</b> LEVEL 11/35 CLARENCE STREET, SYDNEY, NSW.2000
HI	30.08.2024	Architect <b>BOKER</b> LEVEL 1/88 FOVEAUX STREET SURRY HILLS, NSW, 2010
HI	19.08.2024	

Building Services Consultants

Melbourne Sydney Brisbane  
www.adpconsulting.com.au adpconsulting@adpconsulting.com.au

**ADP**  
Consulting : Engineering

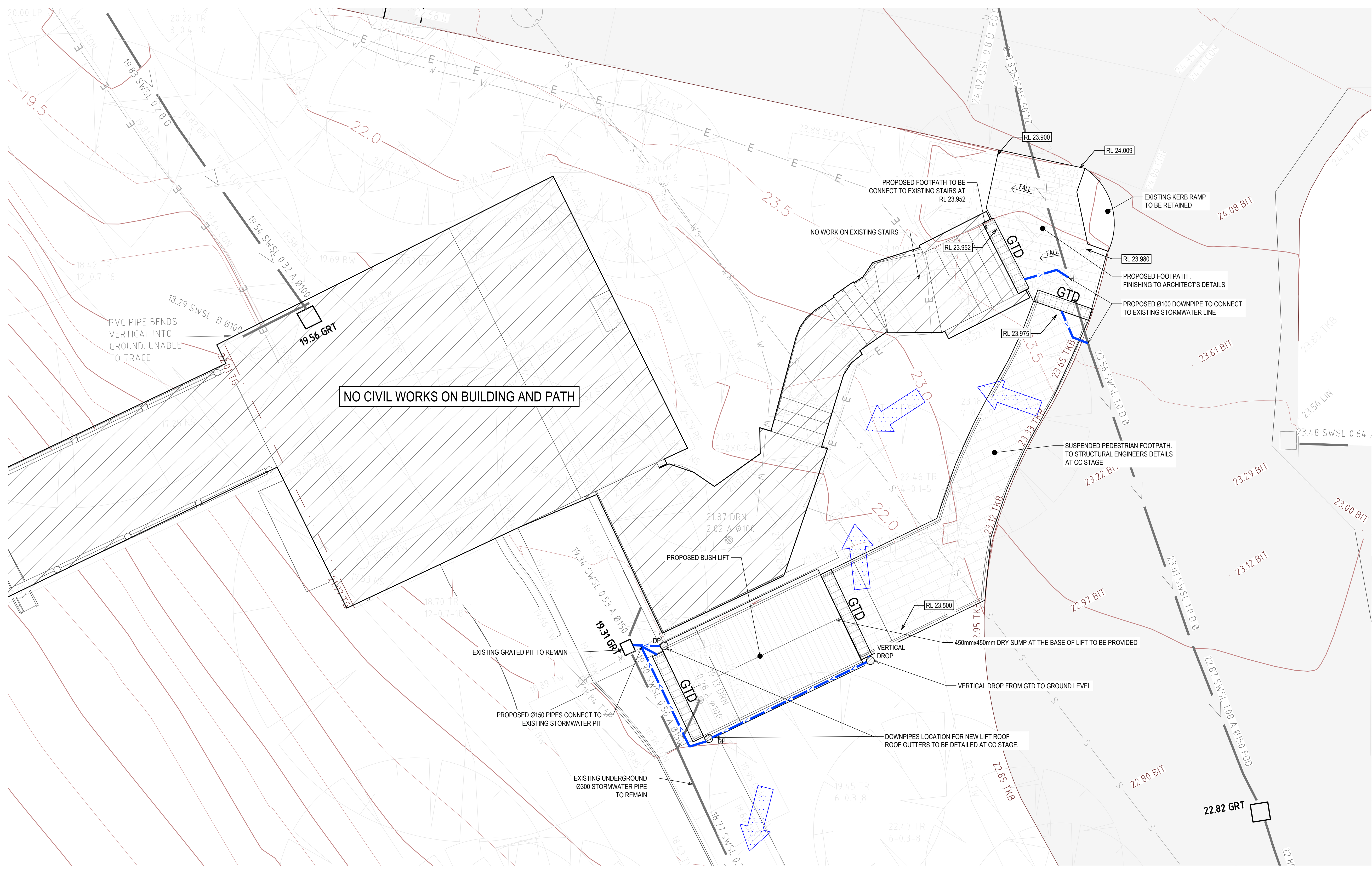
Member Firm

Project
<b>AVEO BAYVIEW</b> 36-42 CABBAGE TREE ROAD, BAYVIEW NSW 2014

Drawing Title
<b>CIVIL ENGINEERING SERVICES</b> STORMWATER PLAN 1

Drafted	Designed	Approved	Date	Scale	Sheet Size
HI	HI	AA	SEP 2024	1:100 @	A1
Job Number	Drawing Number	Revision	North Point		
SYD2940	CE101	C	[North Arrow]		





**LEGEND**

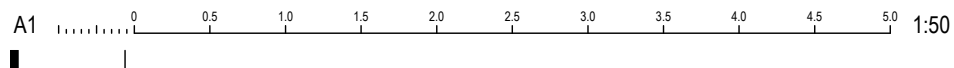
- SITE BOUNDARY
- - - EXISTING CONTOUR (0.3m)
- PROPOSED STORMWATER PIPE
- - - EXISTING STORMWATER PIPE
- [Symbol] GRATED SURFACE INLET PIT
- [Symbol] SEALED JUNCTION PIT
- [Symbol] GRATED DRAIN
- [Symbol] STORMWATER PIT NAME
- [Symbol] FINISHED RL
- [Symbol] OVERLAND FLOW DIRECTION
- - - EXISTING ELECTRICAL LINE
- - - EXISTING TELECOMMUNICATION LINE
- - - EXISTING SEWER LINE
- - - EXISTING WATER LINE
- [Symbol] NO WORK ON EXISTING STRUCTURE

TOTAL INCREASES IN IMPERVIOUS AREA = 38.557 m<sup>2</sup> < 50.00m<sup>2</sup>  
 IN ACCORDANCE WITH NORTHERN BEACHES COUNCIL'S WATER MANAGEMENT FOR DEVELOPMENT POLICY SECTION 9.3.1: OSD IS NOT REQUIRED FOR WORKS WITH INCREASES IN IMPERVIOUS AREA LESS THAN 50.00m<sup>2</sup>

- NOTES:**
- ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE.
  - ALL REDUCED LEVELS ARE IN mAHD.
  - SURVEY INFORMATION OBTAINED FROM CMS SURVEYORS PTY LTD'S DRAWING TITLED 'SURVEY PLAN SHOWING DETAIL & LEVELS OVER PART OF LOT 121 IN DP789400 & PART LOT 6 IN DP260157 No.36-42 CABBAGE TREE ROAD, BAYVIEW, NSW, 2104', DATED 20/06/2024.
  - PROPOSED STORMWATER PIPES TO HAVE MINIMUM PIPE FALLS AS PER BELOW:
    - A. DIAMETER ≤ 150mm: 1.0% FALL.
    - B. DIAMETER ≥ 225mm: 0.5% FALL.
  - SLAB/PAVEMENT TO HAVE MINIMUM 1% FALL TOWARDS STORMWATER INLETS AS PER AS2890 REQUIREMENTS.

**PRINTING NOTE:**  
 THIS DRAWING TO BE PRINTED IN COLOUR.

**STORMWATER PLAN 2**  
 SCALE 1:50



Revision	Description
C	ISSUE FOR 100% TENDER
B	ISSUE FOR 75% TENDER
A	ISSUE FOR 50% TENDER

Initial	Date	Client
HI	20.09.2024	<b>AVEO GROUP</b> LEVEL 11/36 CLARENCE STREET, SYDNEY, NSW, 2000
HI	30.08.2024	Architect <b>BOKER</b> LEVEL 1/88 FOVEAUX STREET SURRY HILLS, NSW, 2010
HI	19.08.2024	

Building Services Consultants

**ADP**  
 Consulting : Engineering

Melbourne Sydney Brisbane  
 www.adpconsulting.com.au adpconsulting@adpconsulting.com.au

CONSULT AUSTRALIA  
 Member Firm

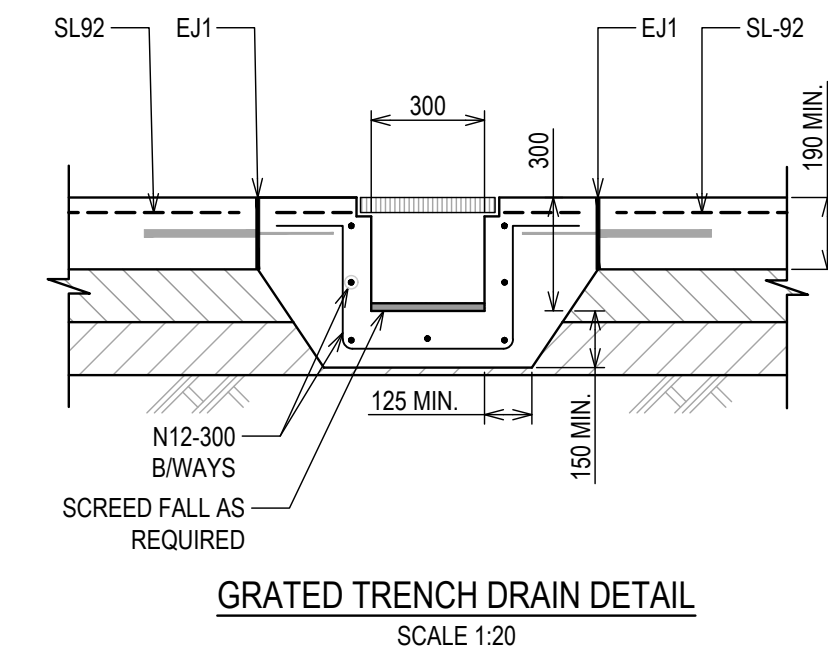
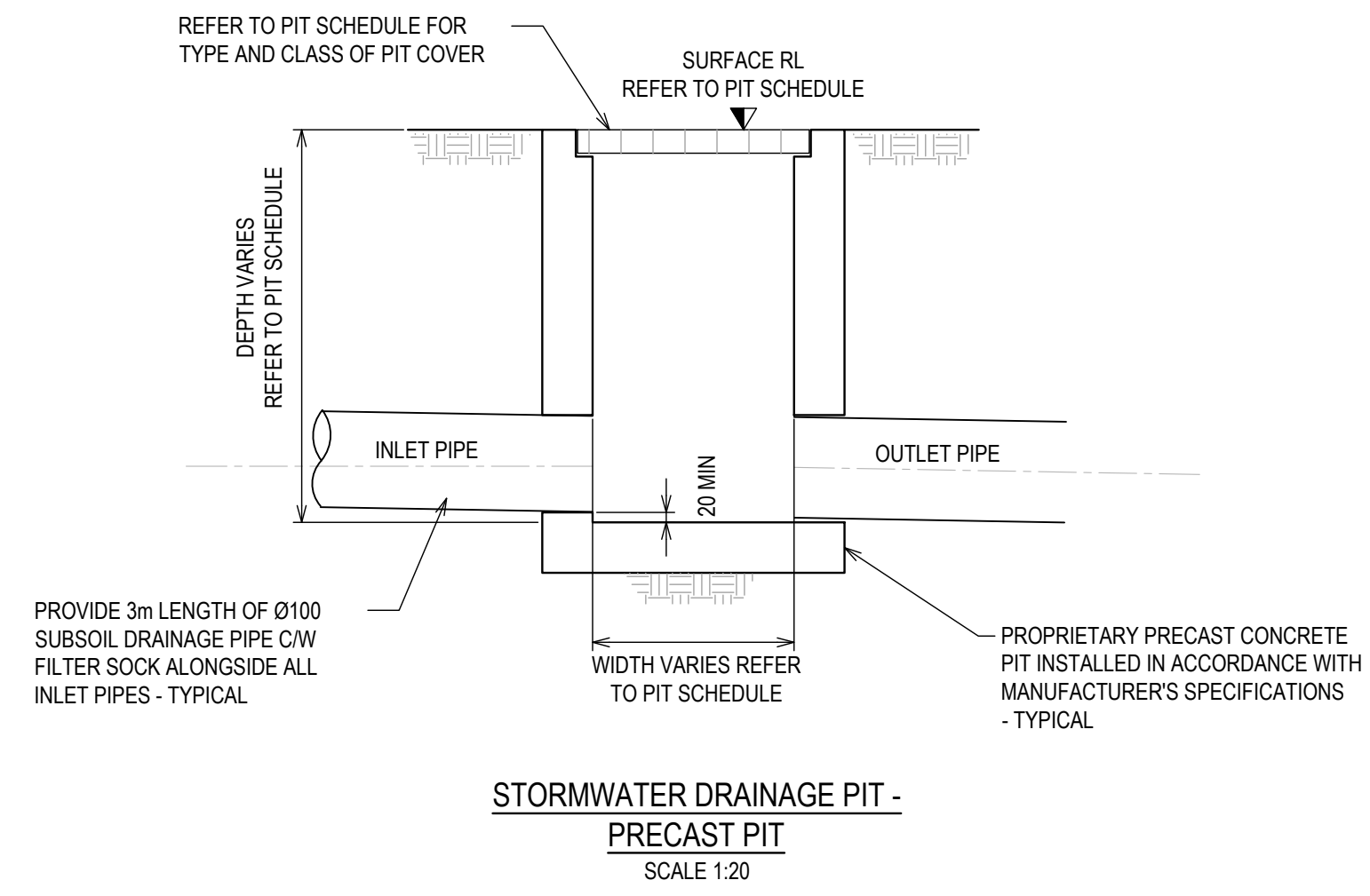
Project  
**AVEO BAYVIEW**  
 36-42 CABBAGE TREE ROAD,  
 BAYVIEW NSW 2014

Drawing Title  
**CIVIL ENGINEERING SERVICES**  
 STORMWATER PLAN 2

Drafted	Designed	Approved	Date	Scale	Sheet Size
HI	HI	AA	SEP 2024	1:50 @	A1
Job Number	Drawing Number	Revision	North Point		
SYD2940	CE102	C			

**100% TENDER**





100% TENDER

Revision	Description
B	ISSUE FOR 100% TENDER
A	ISSUE FOR 75% TENDER

Initial	Date	Client
HI	20.09.2024	<b>AVEO GROUP</b> LEVEL 11/35 CLARENCE STREET, SYDNEY, NSW.2000
HI	30.08.2024	Architect <b>BOKER</b> LEVEL 1/88 FOVEAUX STREET SURRY HILLS, NSW, 2010

Building Services Consultants

**ADP**  
Consulting : Engineering

Melbourne Sydney Brisbane  
www.adpconsulting.com.au adpconsulting@adpconsulting.com.au

CONSULT AUSTRALIA  
Member Firm

CONSULT AUSTRALIA

CONSULT AUSTRALIA

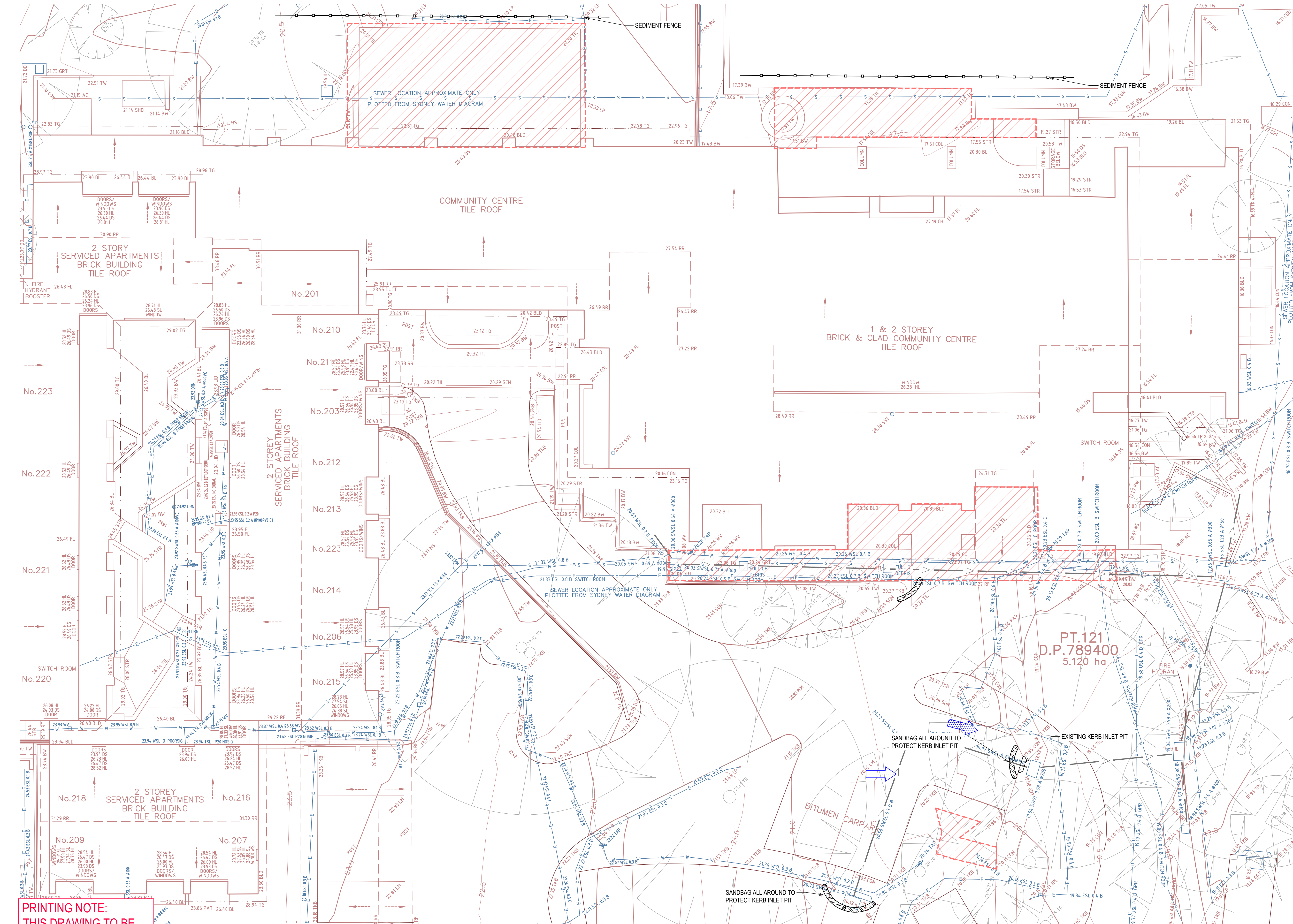
CONSULT AUSTRALIA

Project
<b>AVEO BAYVIEW</b> 36-42 CABBAGE TREE ROAD, BAYVIEW NSW 2014

Drawing Title
<b>CIVIL ENGINEERING SERVICES</b> CIVIL DETAILS

Drafted	Designed	Approved	Date	Scale	Sheet Size
HI	HI	AA	SEP 2024		@ A1
Job Number	Drawing Number	Revision	North Point		
SYD2940	CE200	B			





**LEGEND**

- SITE BOUNDARY
- EXISTING CONTOUR
- DISTURBED AREA
- SAND BAG
- FLOW DIRECTION
- SEDIMENT FENCE

**PRINTING NOTE:**  
THIS DRAWING TO BE  
PRINTED IN COLOUR.

**SEDIMENT AND EROSION CONTROL PLAN 1**  
SCALE 1:100

- NOTES:**
- ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE.
  - ALL REDUCED LEVELS ARE IN mAHD.
  - SURVEY INFORMATION OBTAINED FROM GMS SURVEYORS PTY LTD'S DRAWING TITLED 'SURVEY PLAN SHOWING DETAIL & LEVELS OVER PART OF LOT 121 IN DP789400 & PART LOT 6 IN DP260157 NO.36-42 CABBAGE TREE ROAD, BAYVIEW, NSW, 2104', DATED 20/06/2024.
  - NO WORKS ARE TO OCCUR OUTSIDE THE SITE PROPERTY BOUNDARY UNLESS PRIOR APPROVAL IS PROVIDED BY COUNCIL.
  - REFER TO DRAWING CE350 FOR EROSION AND SEDIMENT CONTROL CONSTRUCTION SEQUENCE AND GENERAL INSTRUCTIONS NOTES.

**100% TENDER**

Revision	Description
B	ISSUE FOR 100% TENDER
A	ISSUE FOR 50% TENDER

Initial	Date	Client
		<b>AVEO GROUP</b> LEVEL 11/36 CLARENCE STREET, SYDNEY, NSW.2000
		Architect <b>BOKER</b> LEVEL 1/88 FOVEAUX STREET SURRY HILLS, NSW, 2010

Building Services Consultants

Melbourne Sydney Brisbane

www.adpconsulting.com.au adpconsulting@adpconsulting.com.au

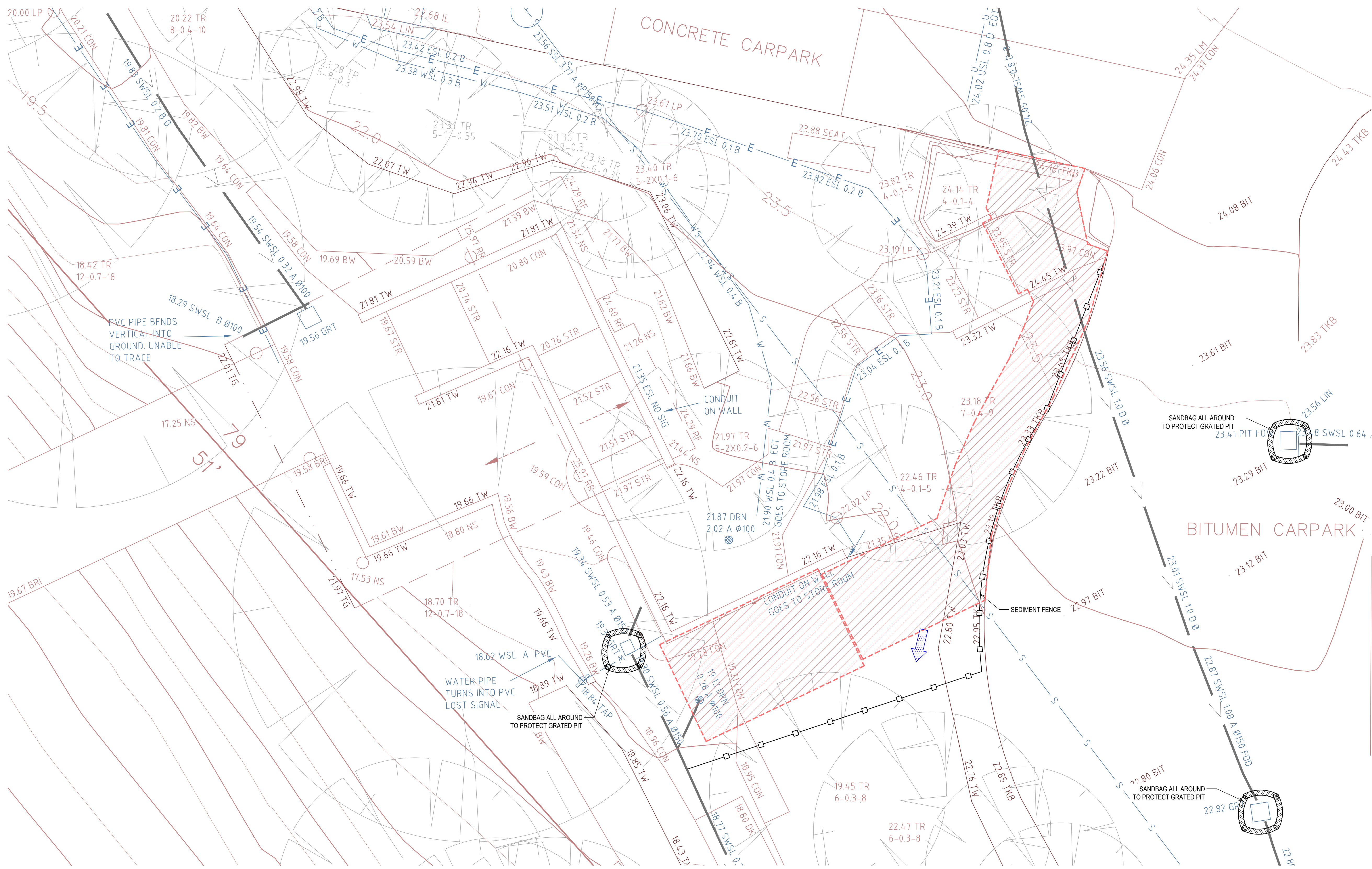
**ADP**  
Consulting : Engineering

Project
<b>AVEO BAYVIEW</b> 36-42 CABBAGE TREE ROAD, BAYVIEW NSW 2014

Drawing Title
<b>CIVIL ENGINEERING SERVICES</b> SEDIMENT AND EROSION CONTROL PLAN

Drafted	Designed	Approved	Date	Scale	Sheet Size
HI	HI	AA	SEP 2024	1:100 @	A1
Job Number	Drawing Number	Revision	North Point		
SYD2940	CE300	B			





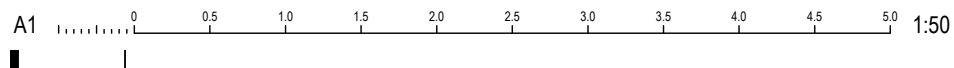
**LEGEND**

- SITE BOUNDARY
- 34.5 EXISTING CONTOUR
- DISTURBED AREA
- SAND BAG
- FLOW DIRECTION
- SEDIMENT FENCE

- NOTES:**
1. ALL DIMENSIONS ARE IN mm UNLESS NOTED OTHERWISE.
  2. ALL REDUCED LEVELS ARE IN mAHD.
  3. SURVEY INFORMATION OBTAINED FROM GMS SURVEYORS PTY LTD'S DRAWING TITLED 'SURVEY PLAN SHOWING DETAIL & LEVELS OVER PART OF LOT 121 IN DP789400 & PART LOT 6 IN DP260157 NO.36-42 CABBAGE TREE ROAD, BAYVIEW, NSW, 2104', DATED 20/06/2024.
  4. NO WORKS ARE TO OCCUR OUTSIDE THE SITE PROPERTY BOUNDARY UNLESS PRIOR APPROVAL IS PROVIDED BY COUNCIL.
  5. REFER TO DRAWING CE350 FOR EROSION AND SEDIMENT CONTROL CONSTRUCTION SEQUENCE AND GENERAL INSTRUCTIONS NOTES.

**SEDIMENT AND EROSION CONTROL PLAN 2**  
SCALE 1:50

**PRINTING NOTE:  
THIS DRAWING TO BE  
PRINTED IN COLOUR.**



Revision	Description
B	ISSUE FOR 100% TENDER
A	ISSUE FOR 50% TENDER

Initial	Date	Client
		<b>AVEO GROUP</b> LEVEL 11/36 CLARENCE STREET, SYDNEY, NSW, 2000
		<b>Architect</b> <b>BOKER</b> LEVEL 1/88 FOVEAUX STREET SURRY HILLS, NSW, 2101

Building Services Consultants

**ADP**  
Consulting : Engineering

Melbourne Sydney Brisbane

www.adpconsulting.com.au adpconsulting@adpconsulting.com.au

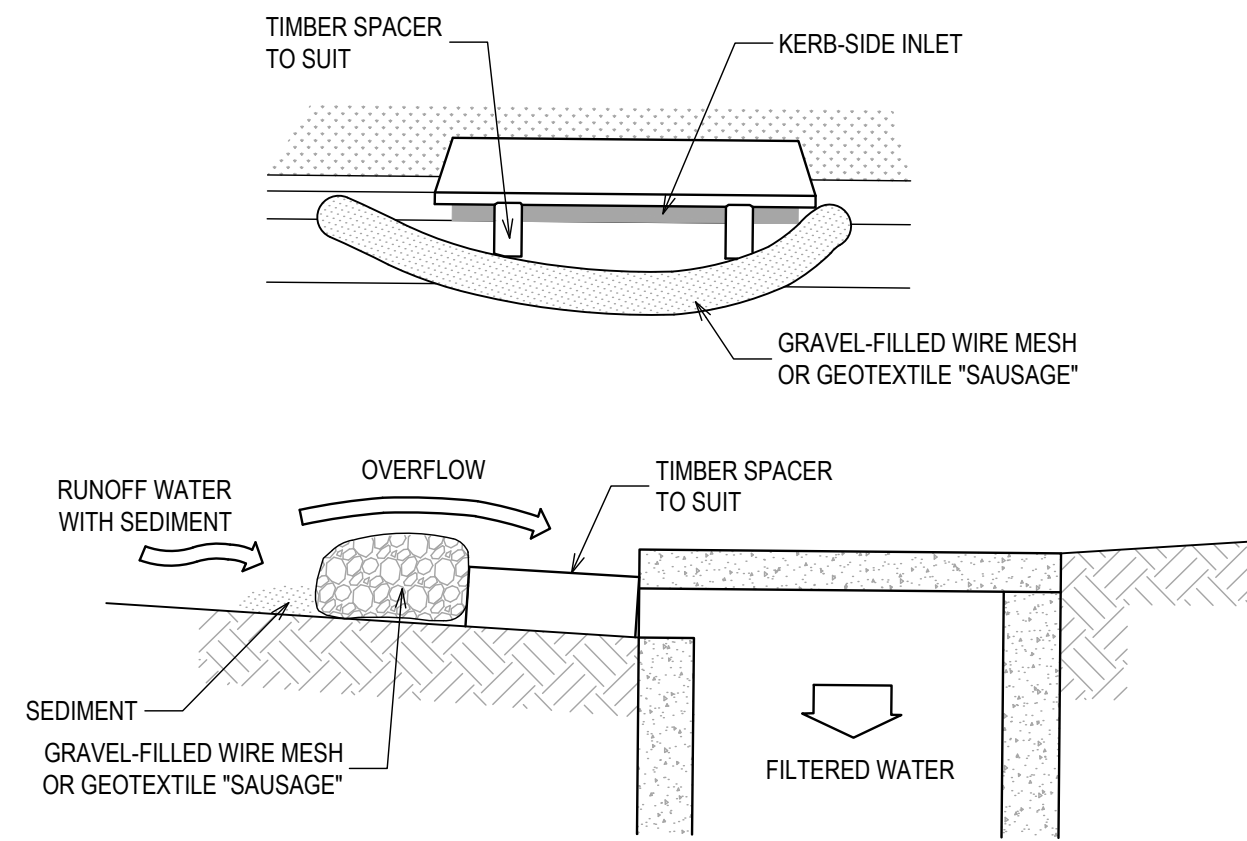
**Project**  
**AVEO BAYVIEW**  
36-42 CABBAGE TREE ROAD,  
BAYVIEW NSW 2014

**Drawing Title**  
**CIVIL ENGINEERING SERVICES**  
**SEDIMENT AND EROSION CONTROL PLAN 2**

Drafted	Designed	Approved	Date	Scale	Sheet Size
HI	HI	AA	SEP 2024	1:50 @	A1
<b>Job Number</b>		<b>Drawing Number</b>	<b>Revision</b>	<b>North Point</b>	
SYD2940		CE301	B		

100% TENDER

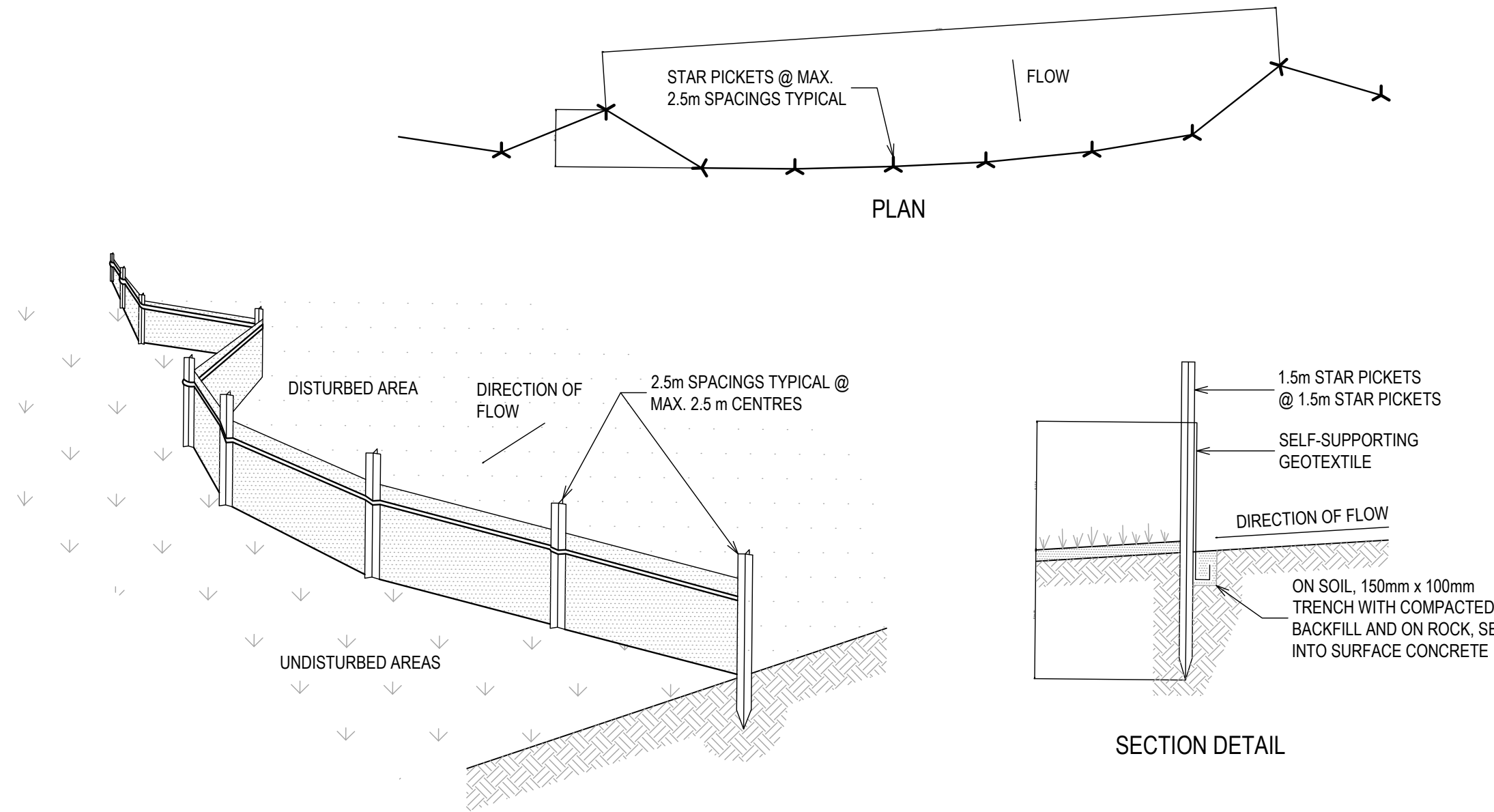




- MESH & GRAVEL INLET FILTER CONSTRUCTION NOTES:**
1. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
  2. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
  3. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
  4. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
  5. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY CAN FIRMLY ABUT EACH OTHER AND SEDIMENT / LADEN WATERS CANNOT PASS BETWEEN.

**MESH & GRAVEL INLET FILTER**

SCALE N.T.S.

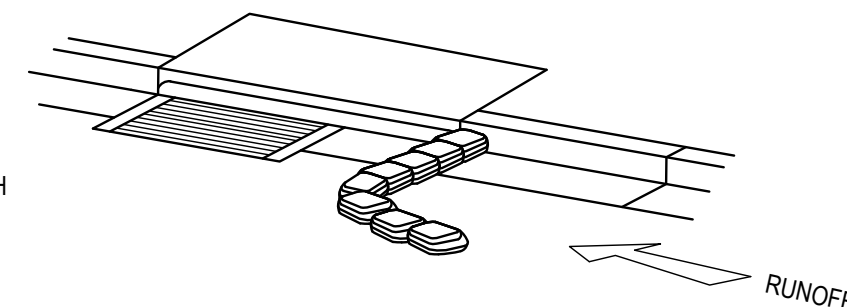


**SEDIMENT FENCE**

SCALE N.T.S.

**NOTES:**

1. PROVIDE THREE LAYERS OF SANDBAGS WITH THEIR ENDS OVERLAPPED AND ALSO OVERLAPPING ONTO THE KERB.
2. CREATE A GAP IN THE SANDBAGS TO ACT AS A SPILLWAY.
3. SANDBAG BARRIER TO BE MIN. 2m FROM THE INLET AND EXTEND MIN. 0.9m OUT FROM THE KERB.



**GULLY INLET SANDBAG PROTECTION DETAIL**

SCALE N.T.S.

**SEDIMENT FENCE 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 m LONG STAR PICKETS INTO GROUND @ 2.5 m 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.

**GENERAL INSTRUCTIONS:**

1. THIS SEDIMENT AND EROSION CONTROL WORKS FOR THE SITE SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION, 4TH EDITION (2004)" BY LANDCOM.
2. AS REQUIRED BY COUNCIL, SEDIMENT CONTROL MEASURES WILL BE REQUIRED DURING THE CONSTRUCTION OF ALL DEVELOPMENTS/BUILDING WORKS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY THAT THE WORKS ARE CARRIED OUT IN ACCORDANCE WITH THE SEDIMENT AND EROSION CONTROL PLAN AND COUNCIL'S REQUIREMENTS.
3. THE CONTRACTOR SHALL ENSURE THAT ALL SUBCONTRACTORS ARE INFORMED OF THEIR RESPONSIBILITIES IN MINIMISING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWNSLOPE AREAS.
4. THE NON-DISTURBED PORTION OF THE CATCHMENT OUTSIDE OF OPERATING AREA IS TO BYPASS THE BASINS BY MEANS OF LINED CATCH DRAINS.
5. WHERE PRACTICABLE, THE SOIL EROSION HAZARD SHALL BE KEPT AS LOW AS POSSIBLE. LIMITATIONS TO ACCESS ARE TO BE VIA STANLEY LANE UNLESS OTHERWISE APPROVED BY COUNCIL.
6. ENSURE THAT ALL DRAINS ARE OPERATING EFFECTIVELY AND SHALL MAKE ANY NECESSARY REPAIRS. REMOVE TRAPPED SEDIMENT WHERE THE CAPACITY OF THE TRAPPING DEVICE FALLS BELOW 60%.
7. CONSTRUCT ADDITIONAL EROSION OR SEDIMENT CONTROL WORKS AS MAY BE APPROPRIATE TO ENSURE THE PROTECTION OF DOWNSLOPE LANDS AND WATERWAYS.
8. MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES IN A FULLY FUNCTIONING CONDITION AT ALL TIMES UNTIL THE SITE IS REHABILITATED.
9. REMOVE TEMPORARY SOIL CONSERVATION STRUCTURES AS THE LAST ACTIVITY IN THE REHABILITATION PROGRAM.

**CONSTRUCTION SEQUENCE:**

WORKS SHALL BE UNDERTAKEN IN THE FOLLOWING SEQUENCE:

1. INSTALL SEDIMENT FENCING AND CUT DRAINS TO MEET THE REQUIREMENTS OF THE SEDIMENT AND EROSION CONTROL PLAN. WASTE COLLECTION BINS SHALL BE INSTALLED ADJACENT TO SITE OFFICE.
2. CONSTRUCT STABILISED SITE ACCESS IN ACCORDANCE WITH COUNCIL'S REQUIREMENTS.
3. REDIRECT CLEAN WATER AROUND THE CONSTRUCTION SITE.
4. INSTALL SEDIMENT CONTROL PROTECTION MEASURES AT ALL NATURAL AND MAN-MADE DRAINAGE STRUCTURES. MAINTAIN UNTIL ALL THE DISTURBED AREAS ARE STABILISED.
5. CLEAR AND STRIP THE WORK AREAS. MINIMISE THE DAMAGE TO THE GRASS AND LOW GROUND COVER OF NON-DISTURBED AREAS.
6. ANY DISTURBED AREAS, OTHER THAN BUILDING PAD AREAS, SHALL IMMEDIATELY BE COVERED WITH SITE TOPSOIL WITHIN 7 DAYS OF CLEARING. BUILDING PAD AREAS SHALL BE COVERED WITH BITUMEN EMULSION AS SPECIFIED.
7. APPLY PERMANENT STABILISATION TO SITE (LANDSCAPING).

**100% TENDER**

Revision	Description	Initial	Date	Client
B	ISSUE FOR 100% TENDER			AVEO GROUP LEVEL 11/36 CLARENCE STREET, SYDNEY, NSW, 2000
A	ISSUE FOR TENDER	HI	20.09.2024	Architect BOKER LEVEL 1/88 FOVEAUX STREET SURRY HILLS, NSW, 2010
		HI	30.08.2024	

Building Services Consultants

Melbourne Sydney Brisbane  
www.adpconsulting.com.au adpconsulting@adpconsulting.com.au

CONSULT AUSTRALIA  
Member Firm

**ADP**  
Consulting : Engineering

Project

**AVEO BAYVIEW**  
36-42 CABBAGE TREE ROAD,  
BAYVIEW NSW 2014

Drawing Title

**CIVIL ENGINEERING SERVICES**  
SEDIMENT AND EROSION CONTROL DETAILS

Drafted	Designed	Approved	Date	Scale	Sheet Size
HI	HI	AA	SEP 2024	NTS	@ A1
Job Number	Drawing Number	Revision	North Point		
SYD2940	CE350	B			