NSW HEALTH INFRASTRUCTURE
BATESMAN BAY COMMUNITY HEALTH
CIVIL WORKS
12611726

IMAGE SOURCE: NEARMAP

LOCALITY PLAN
N.T.S

DRAWING INDEX

DRG No.	DRAWING TITLE
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12611726-GHD-00-00-DRG-CI-00011	CIVIL WORKS SEDIMENT EROSION CONTROL NOTES AND DETAILS

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Project No. 12611726

Client NSW HEALTH INFRASTRUCTURE

Project BATEMANS BAY COMMUNITY HEALTH

Status PRELIMINARY

Drawing Title CIVIL WORKS
LOCALITY PLAN
AND DRAWING INDEX

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A. GENERAL NOTES:

A.1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE EUROBODALLA SHIRE COUNCIL SPECIFICATION AND WITH ANY OTHER WRITTEN INSTRUCTIONS THAT SHALL BE ISSUED DURING THE COURSE OF CONSTRUCTION. ANY DISCREPANCY OR VARIATION SHALL BE REFERRED TO THE SUPERINTENDENT BEFORE PROCEEDING WITH WORK. PRIOR TO THE COMMENCEMENT OF WORKS THE CONTRACTOR SHALL MEET ON SITE WITH COUNCIL'S REPRESENTATIVE TO REVIEW THE SCOPE OF WORKS, SOIL AND WATER MANAGEMENT CONTROL MEASURES AND THE INSPECTION AND TESTING REGIME.

A.2. THE DRAWINGS ARE A DIAGRAMMATIC REPRESENTATION OF THE WORK TO BE CARRIED OUT ONLY AND DIMENSIONS SHALL NOT BE OBTAINED BY SCALING.

A.3. THE CONTRACTOR SHALL NOT DISTURB NOR OBLITERATE ANY SURVEY MARK. SHOULD ANY SURVEY MARK BE DISTURBED OR OBLITERATED, THE CONTRACTOR SHALL NOTIFY THE SUPERINTENDENT IMMEDIATELY AND THE SURVEY MARK SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

A.4. ALL LEVELS SHALL BE OBTAINED FROM ESTABLISHED BENCHMARKS ONLY.

A.5. ALL LEVELS SHOWN ARE FINISHED SURFACE LEVELS. WHERE APPLICABLE THE CONTRACTOR SHALL ALLOW FOR THE THICKNESS OF THE VARIED SPECIFIED FINISHES.

A.6. ALL WORKS SHALL BE DONE IN ACCORDANCE WITH THE FOLLOWING,
- a. DRAWINGS SET
- b. THE STANDARDS AND REQUIREMENTS OF EUROBODALLA SHIRE COUNCIL
- c. EUROBODALLA SHIRE COUNCIL CONSTRUCTION SPECIFICATION CURRENT AS OF 27 OCTOBER 2015.

A.7. ALL TREES SHALL BE RETAINED WITHIN THE ALLOTMENTS AND RESERVES UNLESS SHOWN OTHERWISE OR DIRECTED OTHERWISE BY THE SUPERINTENDENT. NO CLEARING WORKS SHALL COMMENCE PRIOR TO COUNCIL INSPECTION, WHICH SHALL BE ARRANGED BY THE CONTRACTOR. ALL TREES APPROVED TO BE FELLED SHALL BE CHIPPED AND STOCKPILED ON-SITE AS DIRECTED BY THE SUPERINTENDENT.

A.8. SERVICE CONDUITS FOR ROAD CROSSINGS SHALL BE LAID IN POSITIONS BY THE CONTRACTOR AS DIRECTED BY THE RELEVANT AUTHORITIES. WHERE NOTED ON THE DRAWINGS THAT WORKS ARE TO BE CARRIED OUT BY OTHERS (EG. ADJUSTMENT OF SERVICES). COORDINATION OF THESE WORKS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

A.9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURTHER DEVELOPMENT OF THE SOL AND WATER MANAGEMENT PLAN INCLUDED IN THIS SUBMISSION TO PREPARE AN EFFECTIVE SOIL AND WATER MANAGEMENT PLAN IN CONFORMITY WITH EUROBODALLA SHIRE COUNCIL'S DESIGN AND CONSTRUCTION SPECIFICATIONS. THIS PLAN WILL BE ALIGNED WITH THE CONTRACTORS STAGING OF WORKS AND SHALL BE APPROVED BY COUNCIL PRIOR TO THE COMMENCEMENT OF ANY WORKS ON THE SITE, THE CONTRACTOR SHALL MAINTAIN THE CONTROL MEASURES UNTIL AFTER THE AFFECTIVE STABILISATION AND REVEGETATION OF THE SITE.

A.10. THE SUBGRADE PREPARATION SHALL INCLUDE THE FOLLOWING:
- a. STRIP TOPSOIL OF AVERAGE DEPTH AND STOCKPILE IN APPROVED LOCATION FOR REUSE.
- b. EXCAVATE AREAS OF PROPOSED CUT TO DESIGN SUBGRADE LEVEL AND PROOF-ROLL THE EXPOSED SURFACE.
- c. CONDUCT TESTS REQUIRED UNDER THE CONTRACT AND THE COUNCIL SPECIFICATION AND THOSE WITHIN THE SITE GEOTECH REPORT.
- d. TYNE THE SURFACE IN CUT AREAS WHERE SUB-BASE IS TO BE PLACED AND RECOMPACT TO AT LEAST 95% MMDD AT A MOISTURE CONTENT WITHIN THE RANGE FROM OMC -3 TO OMC -1 PERCENTAGE POINTS.
- e. IN FILL AND CUT AREAS WHERE SELECT SUBGRADE IS PROPOSED, OR FOUND BY SUBSEQUENT INSPECTION TO BE REQUIRED, RESTRICT ACCESS TO THE SUBGRADE TO TRACKED VEHICLES ONLY (ie. NO WHEELS). PLACE THE SELECT SUBGRADE MATERIAL AND COMPACT TO AT LEAST 95% MMDD.

A.11. THE CONTRACTOR IS TO ENSURE THAT WORK ON THE DEVELOPMENT SITE BY ALL PERSONS USING POWER TOOLS AND EQUIPMENT IS LIMITED TO THE FOLLOWING HOURS:
- a. MONDAY TO FRIDAY: 7:00 AM TO 6:00 PM
- b. SATURDAY: 7:00 AM TO 5:00 PM
- c. SUNDAY: NO WORK
- d. PUBLIC HOLIDAYS: NO WORK

A.12. PRIOR TO THE COMMENCEMENT OF WORKS FOR EACH STAGE, A CLASS A TEMPORARY HOARDING MUST APPROVED UNDER SECTION 138 AND ERECTED BETWEEN THE WORK SITE AND ADJOINING LANDS IN ACCORDANCE WITH SAFEWORK NSW GUIDELINES AND AS 2601 DEMOLITION OF STRUCTURES. THE HOARDING MUST BE KEPT IN PLACE UNTIL COMPLETION OF THE WORKS.

A.13. PRIOR TO THE COMMENCEMENT OF SITE WORKS, RUNOFF AND EROSION CONTROLS MUST BE IMPLEMENTED AND MAINTAINED DURING CONSTRUCTION TO PREVENT SOIL EROSION, WATER POLLUTION OR THE DISCHARGE OF LOOSE SEDIMENT ON THE SURROUNDING LAND BY:
- a. DIVERTING UNCONTAMINATED RUNOFF AROUND CLEARED OR DISTURBED AREAS.
- b. ERECTING A SILT FENCE AND PROVIDING ANY OTHER NECESSARY SEDIMENT CONTROL MEASURES THAT WILL PREVENT DEBRIS ESCAPING INTO DRAINAGE SYSTEMS, WATERWAYS OR ADJOINING PROPERTIES.
- c. PREVENTING THE TRACKING OF SEDIMENT BY VEHICLES ONTO ROADS.
- d. STOCKPILING TOPSOIL, EXCAVATED MATERIALS, CONSTRUCTION AND LANDSCAPING SUPPLIES AND DEBRIS WITHIN THE LOT.

A.14. IF ANY OBJECT HAVING INTEREST DUE TO ITS AGE OR ASSOCIATION WITH THE PAST IS UNCOVERED DURING THE COURSE OF WORK:
- a. ALL WORK MUST STOP IMMEDIATELY IN THAT AREA
- b. IN ACCORDANCE WITH THE HERITAGE ACT 1997, THE OFFICE OF ENVIRONMENT AND HERITAGE MUST BE ADVISED OF THE DISCOVERY.

A.15. DURING WORKS, THE FOLLOWING MAINTENANCE REQUIREMENTS MUST BE COMPLIED WITH:
- a. ALL MATERIALS AND EQUIPMENT MUST BE STORED WHOLLY WITHIN THE WORK SITE UNLESS AN APPROVAL TO STORE THEM ELSEWHERE IS HELD.
- b. WASTE MATERIALS (INCLUDING EXCAVATION, DEMOLITION AND CONSTRUCTION WASTE MATERIALS) MUST BE MANAGED ON THE SITE AND THEN DISPOSED OF AT A WASTE MANAGEMENT FACILITY.
- c. WHERE TREE OR VEGETATION PROTECTION MEASURES ARE IN PLACE, THE PROTECTED AREA MUST BE KEPT CLEAR OF MATERIALS AND/OR MACHINERY.
- d. THE DEVELOPER MUST MAINTAIN THE APPROVED SOIL WATER MANAGEMENT MEASURES TO THE SATISFACTION OF THE CERTIFIER FOR THE LIFE OF THE CONSTRUCTION PERIOD AND UNTIL RUNOFF CATCHMENTS ARE STABILISED.
- e. DURING CONSTRUCTION:
  - I. ALL VEHICLES ENTERING OR LEAVING THE SITE MUST BE HAVE THEIR LOADS COVERED, AND
  - II. ALL VEHICLES, BEFORE LEAVING THE SITE, MUST BE CLEANED OF DIRT, SAND AND OTHER MATERIALS, TO AVOID TRACKING THESE MATERIALS ONTO PUBLIC ROADS.
- f. AT THE COMPLETION OF THE WORKS, THE WORK SITE MUST BE LEFT CLEAR OF WASTE AND DEBRIS.

A.16. PRIOR TO COMPLETION OF WORKS, THE DEVELOPER MUST ENSURE THAT THE FOLLOWING REQUIREMENTS ARE MET IN RELATION TO LOT FILLING:
- a. THE SITE SUPERVISOR MUST ENSURE THAT ALL FILL OUTSIDE THE ALLOTMENT AREAS MUST BE PLACED IN ACCORDANCE WITH COUNCIL'S ENGINEERING CONSTRUCTION SPECIFICATION.
- b. PERFORMED UNDER LEVEL 1 SUPERVISION BY A PROFESSIONAL ENGINEER, (AS DEFINED IN THE NATIONAL CONSTRUCTION CODE).
- c. A LEVEL 1 SUPERVISION REPORT IS TO BE APPROVED BY COUNCIL PRIOR TO THE RELEASE OF THE SUBDIVISION CERTIFICATE.

A.17. TREES APPROVED FOR REMOVAL MUST BE FELLED INTO THE DEVELOPMENT AREA CAREFULLY SO AS NOT TO DAMAGE TREES TO BE RETAINED IN OR BEYOND THE DEVELOPMENT FOOTPRINT.

A.18. THE CONTRACTOR IS TO GAIN APPROVAL UNDER SECTION 138 OF THE ROADS ACT 1993 PRIOR TO COMMENCING CONSTRUCTION WITHIN ALL ROAD RESERVES. TRAFFIC CONTROL PLAN IS TO BE SUBMITTED WITH SECTION 138 APPLICATION PRIOR TO CONSTRUCTION WORK COMMENCING.

A.19. TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH AS 1742.3 ARE TO BE IN PLACE AND MAINTAINED AT ALL TIME.

A.20. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE WORK HEALTH AND SAFETY ACT OF 2011, WHICH REQUIRES EMPLOYERS TO ENSURE THE HEALTH, SAFETY AND WELFARE OF EMPLOYEES AND PERSONS IN THE VICINITY OF THE WORK SITE.

A.21. ALL SITE FILLING SHALL BE UNDERTAKEN AS PER THE SPECIFICATION AND THE SITE GEOTECHNICAL REPORT AND SHALL BE PLACED IN ACCORDANCE WITH AS 3798 GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS AND COMPACTED AT LEAST TO THE MINIMUM RELATIVE COMPACTION LISTED IN THE STANDARD APPLICABLE TO THE TYPE OF DEVELOPMENT / SUBDIVISION.

A.22. ESSENTIAL ENERGY'S RECORDS INDICATE THERE IS ELECTRICITY INFRASTRUCTURE LOCATED WITHIN THE PROPERTY. ANY ACTIVITIES WITHIN THIS LOCATION MUST BE UNDERTAKEN IN ACCORDANCE WITH THE LATEST INDUSTRY GUIDELINE CURRENTLY KNOWN AS ISSC 20 GUIDELINE FOR THE MANAGEMENT OF ACTIVITIES WITHIN ELECTRICITY EASEMENTS AND CLOSE TO INFRASTRUCTURE. IT IS THE RESPONSIBILITY OF THE PERSON/S COMPLETING ANY WORKS AROUND POWERLINES TO UNDERSTAND THEIR SAFETY RESPONSIBILITIES. SAFEWORK NSW (www.safework.nsw.gov.au) HAS PUBLICATIONS THAT PROVIDE GUIDANCE WHEN WORKING CLOSE TO ELECTRICITY INFRASTRUCTURE. THESE INCLUDE THE CODE OF PRACTICE - WORK NEAR OVERHEAD POWER LINES AND CODE OF PRACTICE - WORK NEAR UNDERGROUND ASSET.

B. SURVEY NOTES:

B1. COORDINATE INFORMATION IS TO CORSnet-NSW MGA 2020.

B2. DATUM FOR ALL LEVELS IS AUSTRALIAN HEIGHT DATUM (AHD).

B3. REFER SURVEY BY RAMGATE AND WEST ISSUED 14 MAY 2024 (FILE U22426_DET_C). REFER DETAIL SURVEY PLAN FOR SURVEY NOTES, SURVEY CONTROL AND EXISTING SERVICES INFORMATION.

B4. TREE HEIGHTS AND SHAPES ARE INDICATIVE ONLY.

C. DEMOLITION

C1. AT LEAST FIVE WORKING DAYS PRIOR DEMOLITION COMMENCING , THE DEVELOPER OR DEMOLITION CONTRACTOR MUST NOTIFY ADJOINING RESIDENTS ADVISING THE FOLLOWING:
- a. THE DATE WHEN DEMOLITION WILL COMMENCE
- b. DETAILS OF THE NAME, ADDRESS AND BUSINESS HOURS CONTACT TELEPHONE NUMBER OF THE DEMOLISHER, CONTRACTOR OR DEVELOPER
- c. THE TELEPHONE NUMBER OF WORK COVER'S HOTLINE (02) 8260 5885

C2. THE DEMOLISHER SHALL CAUSE MOTOR VEHICLES LEAVING THE SITE WITH DEMOLITION MATERIAL AND THE LIKE TO HAVE THEIR LOADS COVERED.

C3. HAZARDOUS AND/OR INTRACTABLE WASTES ARISING FROM THE DEMOLITION PROCESS SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH THE REQUIREMENTS OF THE RELEVANT STATUTORY AUTHORITIES, TOGETHER WITH THE RELEVANT REGULATIONS, NAMELY:
- a. THE NEW SOUTH WALES OCCUPATIONAL HEALTH AND SAFETY ACT 2000
- b. OCCUPATIONAL HEALTH AND SAFETY REGULATION 2001

C4. IN ADDITION TO THE PROVISIONS, ANY WORK CARRIED OUT ON ASBESTOS CEMENT PRODUCTS MUST BE IN ACCORDANCE WITH THOSE PROVISIONS RELATING TO ASBESTOS CEMENT WITHIN THE NSW CONSTRUCTION SAFETY ACT 1912 REGULATIONS 84A-J CONSTRUCTION WORK INVOLVING ASBESTOS OR ASBESTOS CEMENT 1983, AS AMENDED 1984.

C5. ANY ASBESTOS CONTAINING BUILDING MATERIALS REMOVED FROM THE BUILDING, OR OTHER ASBESTOS RELATED MATTER, SHALL BE REMOVED AND TREATED IN ACCORDANCE WITH THE MINIMUM SAFE HANDLING REQUIREMENTS OF THE NSW WORK COVER. DISPOSAL OF SUCH MATERIAL SHALL BE CARRIED OUT TO THE SATISFACTION OF THE PCA AND A COPY OF THE DISPOSAL RECEIPT IS TO BE SUBMITTED TO THE PCA.

C6. DEMOLITION WORKS INVOLVING THE REMOVAL AND DISPOSAL OF ASBESTOS CEMENT MUST BE UNDERTAKEN BY CONTRACTORS WHO HOLD A CURRENT WORK COVER DEMOLITION LICENCE AND A CURRENT WORK COVER CLASS 2 (RESTRICTED) ASBESTOS LICENCE.

C7. PRIOR TO COMMENCEMENT OF ANY DEMOLITION WORKS THE SITE SHALL BE SECURED TO THE SATISFACTION OF THE COUNCIL.

C8. ALL POSSIBLE AND PRACTICABLE STEPS SHALL BE TAKEN TO PREVENT NUISANCE TO THE INHABITANTS OF THE SURROUNDING NEIGHBOURHOOD FROM WIND-BLOWN DUST, DEBRIS, NOISE AND THE LIKE.

C9. SHOULD THE DEMOLITION PROCESS REQUIRE A BUILDING WASTE CONTAINER(S) (BUILDER'S SKIP), THEN SUCH CONTAINER MUST NOT BE PLACED OR LEFT UPON THE PUBLIC ROAD, FOOTPATH, RESERVE OR THE LIKE.

C10. NO DEMOLITION MATERIALS SHALL BE BURNT ON THE SITE AND OPEN BURNING OF ANY KIND IS PROHIBITED.

C11. NO DEMOLITION MATERIALS SHALL BE BURIED ON THE SITE.

D . INSPECTION AND TESTING

D1. CONTRACTOR TO OBTAIN CLEARANCES AND CO-ORDINATE WORK WITH THE RELEVANT AUTHORITIES PRIOR TO COMMENCEMENT.

D2. TESTING, INSPECTIONS AND CONSTRUCTION QUALITY RECORDS TO BE UNDERTAKEN AS PER THE EUROBODALLA CITY COUNCIL CURRENT SPECIFICATION AVAILABLE FROM THEIR WEBSITE.

D3. THE CONTRACTOR SHALL PROVIDE COUNCIL WITH A COMPLETE SET OF PLANS OF THE WORKS AS CONSTRUCTED, DETAILING ALL VARIATIONS FROM THE APPROVED PLANS AND TO THE ACCEPTANCE OF THE COUNCIL'S DEVELOPMENT ENGINEER. THE WORKS-AS-EXECUTED PLANS SHALL BE SUBMITTED TO COUNCIL IN ELECTRONIC FORMAT (.pdf) AND MUST BE PREPARED AND CERTIFIED BY A REGISTERED SURVEYOR OR CHARTERED PROFESSIONAL ENGINEER AND DEFINE THE LOCATION OF ALL WATER SUPPLY, SEWERAGE AND STORMWATER INFRASTRUCTURE TO THE ACCEPTANCE OF THE COUNCIL'S DEVELOPMENT ENGINEER.

E. SERVICES

E1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRENCHING AND BACKFILL FOR UTILITY SERVICES (POWER/COMMUNICATIONS/GAS), CONDUITS FOR ROAD CROSSINGS AND LIAISON AND COORDINATION WITH THE RELEVANT AUTHORITIES. REFER AUTHORITY DESIGN DRAWINGS.

E2. EXISTING SERVICES HAVE BEEN PLOTTED FROM SUPPLIED DATA. THE ACCURACY OR COMPLETENESS OF THE DATA IS NOT GUARANTEED AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO COMMENCING WORK. PRIOR TO CARRYING OUT ANY WORKS, A "BEFORE YOU DIG AUSTRALIA" ENQUIRY SHOULD BE UNDERTAKEN IN ACCORDANCE WITH THE REQUIREMENTS OF PART 5E (PROTECTION OF UNDERGROUND ELECTRICITY POWER LINES) OF THE ELECTRICITY SUPPLY ACT 1995 (NSW). IN ADDITION THE BEFORE YOU DIG AUSTRALIA ENQUIRY MUST BE CURRENT AT THE TIME OF UNDERTAKING THE CONSTRUCTION ACTIVITY IN ACCORDANCE WITH THE REQUIREMENTS OF THE INFRASTRUCTURE ASSET OWNER".

F. CONCRETE NOTES

F1. COMPLY WITH AS3600 CURRENT EDITION WITH AMENDMENTS AND THE COUNCIL SPECIFICATION.

G. WATER MAINS

G1. EXISTING WATER MAINS SHOWN ON THESE PLANS ARE INDICATIVE ONLY. NO WORK IS TO BE COMMENCED WITHIN 4.0m OF ANY EXISTING WATER MAINS WITHOUT FIRST CONSULTING COUNCIL. CONNECTION TO COUNCIL MAINS IS TO BE CARRIED OUT BY COUNCIL AT CONTRACTOR'S EXPENSE.

H. STORMWATER

H1. ROAD DRAINAGE PIPES SHALL BE REINFORCED CONCRETE PIPES (RRJ) CLASS 4 WITH HS3 SUPPORT AND AS PER COUNCIL STANDARDS UNLESS NOTED OTHERWISE ON THE DRAWINGS. THE BEDDING SHALL BE 250mm BELOW PIPE WHERE LOCATED IN ROCK.

I. HERITAGE

I1. IF AN ABORIGINAL OBJECT(S) IS DISCOVERED AND/OR HARMED IN, OR, UNDER THE LAND, WHILE UNDERTAKING THE PROPOSED DEVELOPMENT ACTIVITIES, THE CONTRACTOR MUST:
- a. NOT FURTHER HARM THE OBJECT(S).
- b. IMMEDIATELY CEASE ALL WORK AT THE PARTICULAR LOCATION.
- c. SECURE THE AREA SOP AS TO AVOID FURTHER HARM TO THE ABORIGINAL OBJECT(S)
- d. NOTIFY HERITAGE NSW AS SOON AS PRACTICAL BY CALLING 131 555 OR EMAILING: info@environment.nsw.gov.au, PROVIDING ANY DETAILS OF THE ABORIGINAL OBJECT(S) AND ITS LOCATION

I2. ALL ABORIGINAL CULTURAL HERITAGE ITEMS MUST BE MAPPED AS POLYGONS ON ALL SUBDIVISION AND OPERATIONAL PLANS TO ENSURE THESE AREAS ARE NOT INADVERTENTLY IMPACTED.

I3. IF HARM TO ABORIGINAL OBJECTS CANNOT BE AVOIDED, AN APPLICATION FOR AN ABORIGINAL HERITAGE IMPACT PERMIT (AHIP) MUST BE PREPARED AND SUBMITTED TO HERITAGE NSW BEFORE WORK MAY CONTINUE.

J. SOIL AND WATER MANAGEMENT

J1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THE SITE AND SURROUNDING AREA FROM DAMAGE RESULTING FROM STORMWATER RUNOFF.

J2. ALL EROSION AND SEDIMENTATION CONTROL MEASURES IMPLEMENTED ON SITE DURING CONSTRUCTION WORKS ARE TO BE SELECTED AND INSTALLED IN ACCORDANCE WITH THE GUIDELINES AND PRINCIPLES AS OUTLINED IN MANAGING URBAN STORMWATER - SOILS & CONSTRUCTION Volume 1 2004 (LANDCOM) "THE BLUE BOOK" AND ENVIRONMENTAL PROTECTION GUIDELINES.

J3. REFER TO DRAWING Nos.CI-00008 AND CI-00009 FOR CONCEPT EROSION AND SEDIMENT CONTROL MANAGEMENT PLAN AND DETAILS.

J4. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IMPLEMENTED AND MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION TO MINIMISE THE EFFECTS OF WEATHER TO THE SATISFACTION OF THE SUPERINTENDENT.

K. DUST CONTROL

K1. ADEQUATE MEASURES WILL BE TAKEN TO PREVENT DUST FROM AFFECTING THE AMENITY OF THE NEIGHBOURHOOD DURING CONSTRUCTION. IN PARTICULAR, THE FOLLOWING MEASURES MUST BE ADOPTED:
- a. PHYSICAL BARRIERS WILL BE ERECTED AT RIGHT ANGLES TO THE PREVAILING WIND DIRECTION OR WILL BE PLACED AROUND OR OVER DUST SOURCES TO PREVENT WIND OR ACTIVITY FROM GENERATING DUST EMISSIONS.
- b. EARTHWORKS AND SCHEDULING ACTIVITIES WILL BE MANAGED TO COINCIDE WITH THE NEXT STAGE OF DEVELOPMENT TO MINIMISE THE AMOUNT OF TIME THE SITE IS LEFT CUT OR EXPOSED. ALL MATERIALS WILL BE STORED OR STOCKPILED AT THE BEST LOCATIONS.
- c. THE SURFACE SHOULD BE DAMPENED SLIGHTLY TO PREVENT DUST FROM BECOMING AIRBORNE BUT SHOULD NOT BE WET TO THE EXTENT THAT RUN-OFF OCCURS.
- d. ALL VEHICLES CARRYING SPOIL OR RUBBLE TO OR FROM THE SITE WILL AT ALL TIMES BE COVERED TO PREVENT THE ESCAPE OF DUST OR OTHER MATERIAL.
- e. ALL EQUIPMENT WHEELS WILL BE WASHED BEFORE EXITING THE SITE USING MANUAL OR AUTOMATED SPRAYERS AND DRIVE- TROUGH WASHING BAYS.
- f. GATES WILL BE CLOSED BETWEEN VEHICLE MOVEMENTS AND WILL BE FITTED WITH SHADE CLOTH AND CLEANING OF FOOTPATHS AND ROADWAYS WILL BE CARRIED OUT REGULARLY.

L. VEGETATION

L1. VISUAL TREE ASSESSMENT AND TREE PROTECTION PLAN PREPARED BY THE PROJECT ARBORIST. REFER REPORT FOR ALL TREE PROTECTION REQUIREMENTS.

L2. ALL REQUIRED TREE PROTECTION MEASURES ARE TO BE MAINTAINED IN GOOD CONDITION FOR THE DURATION OF THE CONSTRUCTION PERIOD IN ACCORDANCE WITH AS 4970-2009 AND THE PROJECT ARBORIST'S CERTIFICATION. EXISTING SOIL GRADES MUST BE MAINTAINED WITHIN THE FENCED TREE PROTECTION ZONES, AND ALL MACHINERY, BUILDERS REFUSE SPOIL AND/OR MATERIALS MUST REMAIN OUTSIDE OF THE FENCED TREE PROTECTION ZONES. COUNCIL CAN REQUIRE AN ARBORIST TO INSPECT, MONITOR AND TREAT TREES BEING RETAINED AT PHASES OF THE PROJECT, AT NO COST TO THE COUNCIL. ALL MONITORING MUST BE RECORDED AND PROVIDED TO THE PRINCIPAL CERTIFIER.

L2. ALL REQUIRED NATIVE VEGETATION MEASURES ARE TO BE MAINTAINED IN GOOD CONDITION FOR THE DURATION OF THE CONSTRUCTION PERIOD AND IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED BIODIVERSITY DEVELOPMENT ASSESSMENT REPORT AND THE GUIDELINES DEVELOPED FOR THE MANAGEMENT OF RETAINED NATIVE VEGETATION REFERRED TO IN SUB_41.

L3. EXCAVATION OPERATOR IS SYMPATHETIC TO THE SITES.

L4. ANY ROOTS LARGER THEN 50mm IN DIAMETER MUST BE CUT CLEANLY WITH A SUITABLE TOOL (LOPPERS OR PRUNING SAW, NOT CHAINSAW PAST THE WALL OF THE EXCAVATION.

L5. FILL TO BE REPLACED AS SOON AS POSSIBLE TO LIMIT THE AMOUNT OF TIME ROOTS ARE EXPOSED TO THE AIR. EXPOSURE INCREASES THE PROBABILITY OF DAMAGE TO THE ROOTS BY MOISTURE LOSS AND THE ENTRY OF PATHOGENS.

L6. IF THERE IS AN EXPECTED TIME DELAY SUCH AS OVER NIGHT BEFORE COVERAGE IS POSSIBLE, IT IS RECOMMENDED THAT THE ROOTS ARE COVERED IN PLASTIC SHEETING.

M. SUBSURFACE DRAINAGE

M1. WHERE DURING CONSTRUCTION THE NEED FOR ADDITIONAL SUBSURFACE OR SUBPAVEMENT DRAINAGE BECOMES APPARENT DUE TO CHANGES IN-SITE MOISTURE CONDITIONS OR TO AREAS OF POORER SUBGRADE BEING UNCOVERED THAT WERE NOT IDENTIFIED IN THE GEOTECHNICAL INVESTIGATION, ADDITIONAL SUBSOIL AND SUBPAVEMENT DRAINAGE WILL BE INSTALLED AS DIRECTED BY SUPERINTENDENT.

M2. MINIMUM LONGITUDINAL SUBSOIL GRADE TO BE 1.0%.

M3. MINIMUM DEPTH BELOW SUBGRADE TO BE 600mm ON EARTH AND 450mm IN ROCK

M4. CLEANOUTS TO BE PROVIDED AT START OR EACH RUN OF DRAIN AND INTERVALS NOT EXCEEDING 80m AND LOCATED AT THE REAR OF KERB OR EDGE OF SHOULDER AS APPLICABLE

M5. OUTLETS TO KERB INLETS OR BATTERS TO BE PROVIDED AT MAXIMUM INTERVAL OF 150m. A SMALL PRECAST HEADWALL TO BE PROVIDED FOR OUTLETS IN BATTERS.

N. TRAFFIC CONTROL

N1. BEFORE COMMENCEMENT OF ANY WORKS ON SITE, THE CONTRACTOR SHALL PROCURE TEMPORARY TRAFFIC MANAGEMENT CONTROL PLAN TO MATCH THE CONSTRUCTION METHODOLOGY AND STAGING TO BE ADOPTED FROM A PERSON HOLDING THE RELEVANT AUTHORISATION AND SHALL OBTAIN NECESSARY APPROVALS.

N2. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN ALL TEMPORARY TRAFFIC MANAGEMENT CONTROL MEASURES AND WARNING SIGNS FOR THE DURATION OF THE WORKS.

N3. THE CONTRACTOR SHALL REGULARLY INSPECT THE TEMPORARY TRAFFIC MANAGEMENT CONTROL MEASURES AND PROMPTLY TAKE ANY REMEDIAL ACTIONS REQUIRED.

NOTES ARE TO BE READ IN CONJUNCTION WITH EUROBODALLA SHIRE COUNCIL ENGINEERING SPECIFICATIONS.

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P01	DETAILED DESIGN	CP	TL	10.06.2024

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Client NSW HEALTH INFRASTRUCTURE

Project BATEMANS BAY COMMUNITY HEALTH

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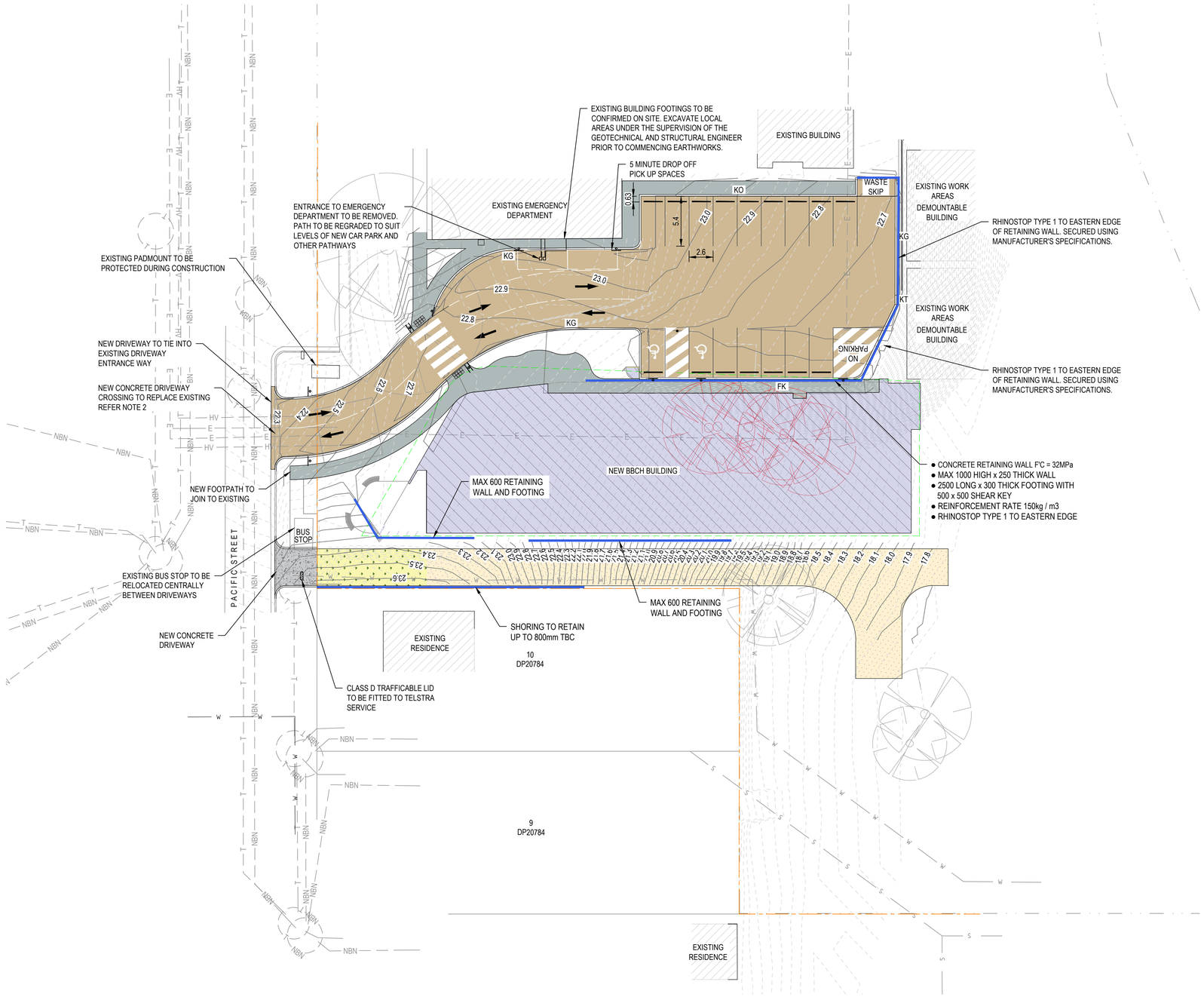

GENERAL ARRANGEMENT PLAN

SCALE 1:250

LEGEND

- PROPOSED BUILDING
- PROPOSED CARPARK AND DRIVEWAY
- PROPOSED FOOTPATH
- UNSEALED PAVEMENT
- CONCRETE
- GRASSCRETE
- 22.0 DESIGN MAJOR CONTOURS
- 22.2 DESIGN MINOR CONTOURS
- 22.0 EXISTING MAJOR CONTOURS
- 22.2 EXISTING MINOR CONTOURS
- EXISTING BOUNDARY
- E EXISTING LV ELECTRICITY
- HV EXISTING HV ELECTRICITY
- NBN EXISTING NBN
- T EXISTING TELSTRA
- S EXISTING SEWER
- W EXISTING WATER
- EXISTING TREES
- EXISTING TREES TO BE REMOVED
- RETAINING WALL
- RAISED PEDESTIAN CROSSING
- WHEEL STOP
- KG KERB AND GUTTER
- KO KERB ONLY
- FK FLUSH KERB
- KT KERB TRANSITION
- PROPOSED SIGN
- BOLLARD
- TRAFFIC FLOW DIRECTION

NOTES:

1. FOOT PATH CONSTRUCTION AS PER EUROBODALLA SHIRE COUNCIL STANDARD DRAWINGS No. 0020-a-2 FROM APPENDIX C OF INFRASTRUCTURE DESIGN STANDARD CODE.
2. DRIVEWAY CROSSING AS PER EUROBODALLA SHIRE COUNCIL STANDARD DRAWINGS No. 001-b-1 FROM APPENDIX C OF INFRASTRUCTURE DESIGN STANDARD CODE.
3. KERB RAMPS AS PER EUROBODALLA SHIRE COUNCIL STANDARD DRAWINGS No. 003-a-1 FROM APPENDIX C OF INFRASTRUCTURE DESIGN STANDARD CODE.
4. SIGN POST FOOTING DETAILS AS PER EUROBODALLA SHIRE COUNCIL STANDARD DRAWINGS NO. 004-A-1 FROM APPENDIX C OF INFRASTRUCTURE DESIGN STANDARD CODE.

ADDITIONAL MATTERS

1. ACCEPTABLE RECEPTORS WILL BE PROVIDED FOR CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHT-WEIGHT WASTE MATERIALS AND LITTER.
2. ANY EXISTING TREES WHICH FORM PART OF THE FINAL LANDSCAPING PLAN ARE TO BE PROTECTED FROM CONSTRUCTION ACTIVITIES BY:
   - PROTECTING THEM WITH BARRIER FENCING OR SIMILAR MATERIALS INSTALLED OUTSIDE THE DRIP LINE.
   - ENSURING THAT NOTHING IS NAILED TO THEM.
   - PROHIBITING PAVING, GRADING, SEDIMENT WASH OR PLACING OF STOCKPILES WITHIN THE DRIP LINE EXCEPT UNDER THE FOLLOWING CONDITIONS:
     a. ENCROACHMENT ONLY OCCURS ON ONE SIDE AND NO CLOSER TO THE TRUNK THAN EITHER 1.5M OR HALF DISTANCE BETWEEN THE OUTER EDGE OF THE DRIP LINE AND THE TRUNK, WHICHEVER IS THE GREATER.
     b. A DRAINAGE SYSTEM THAT ALLOWS AIR AND WATER TO CIRCULATE THROUGH THE ROOT ZONE (EG, A GRAVEL BED) IS PLACED UNDER ALL FILL LAYERS OF MORE THAN 300MMDEPTH.
     c. CARE IS TAKEN NOT TO CUT ROOTS UNNECESSARILY NOR TO COMPACT THE SOIL AROUND THEM.

Rev	Description	Checked	Approved	Date
P03	DETAILED DESIGN (PREVIOUSLY CI-00002)	CP	TL	10.06.2024
P02	DRAFT DETAILED DESIGN			
P01	SCHEMATIC DESIGN	ET	PD	28.02.24

Author L. AQUINO **Drafting Check** G. POCKNEE
Designer E. TRURAN **Design Check** D. NEALON

0 2.5 5 7.5 10 12.5m
SCALE 1:250 AT ORIGINAL SIZE

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Project No. 12611726

Client NSW HEALTH INFRASTRUCTURE

Project BATEMANS BAY COMMUNITY HEALTH

Status PRELIMINARY

Drawing Title CIVIL WORKS
GENERAL ARRANGEMENT PLAN

Drawing No. 12611726-GHD-00-00-DRG-CI-00003

Size A1

Rev P03

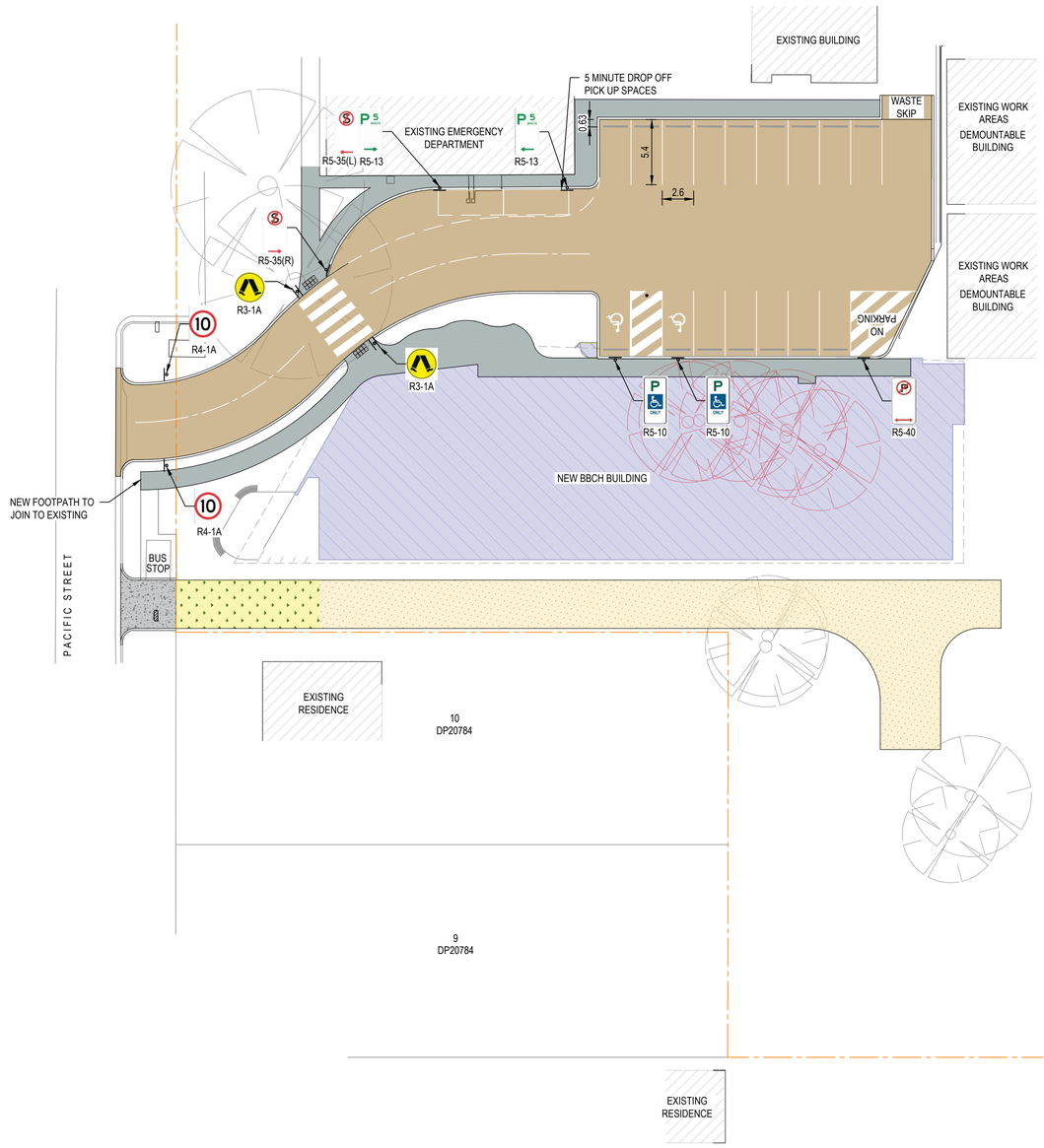
Plot Date: 7 June 2024 - 2:21 PM Plotted by: James Kenneth Pantola File Name: C:\12d\SW\data\P-00-12D-001\23-12611726 - BBCH_2998\CADD\Drawings\12611726-GHD-00-00-DRG-CI-00003.dwg

LEGEND

- RAISED PEDESTIAN CROSSING
- WHEEL STOP (90mm HIGH)
- PROPOSED SIGN
- SIGN REFERENCE (R5-13)
- TACTILE GROUND SURFACE INDICATORS
- BOLLARD

NOTES:

1. REFER SHEET CI-00002 FOR GENERAL NOTES.
2. TACTILE GROUND SURFACE INDICATOR'S (TGI's) TO BE VITRIFIED PORCELAIN TILES OR EQUAL. COLOUR AND OTHER MATERIAL CHARACTERISTIC TO COMPLY WITH AS 1428.4.



SIGNAGE AND LINEMARKING PLAN

SCALE 1:250

Rev	Description	Checked	Approved	Date
P02	DETAILED DESIGN (PREVIOUSLY CI-00003)	CP	TL	10.06.2024
P01	DRAFT DETIALED DESIGN			

Author L. AQUINO **Drafting Check** G. POCKNEE
Designer E. TRURAN **Design Check** D. NEALON

0 2.5 5 7.5 10 12.5m
SCALE 1:250 AT ORIGINAL SIZE

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Project No. 12611726

Client NSW HEALTH INFRASTRUCTURE

Project BATEMANS BAY COMMUNITY HEALTH

Status PRELIMINARY

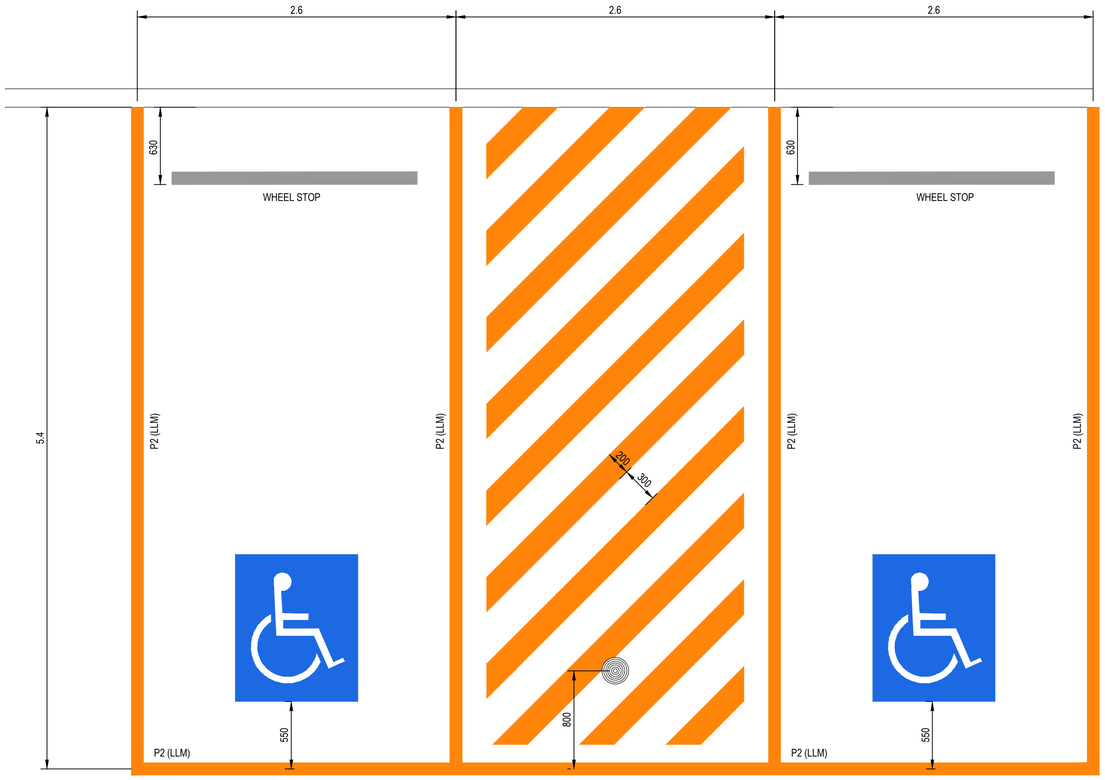
Drawing Title CIVIL WORKS
SIGNAGE AND LINEMARKING PLAN

Size A1

Drawing No. 12611726-GHD-00-00-DRG-CI-00004

Rev P02

Plot Date: 7 June 2024 - 2:21 PM Plotted by: James Kenneth Pantola File Name: C:\12d\SW\data\P-00-12D-001\23-12611726 - BBCH_2998\CADD\Drawings\12611726-GHD-00-00-DRG-CI-00004.dwg



DISABLED LINEMARKING PARKING DETAILS

SCALE 1:25

CAD CODE: WB-ACCESS
COLOR: WHITE ON ULTRAMARINE BLUE

SYMBOL OF ACCESS FOR PAVEMENTS

SCALE 1:10

Rev	Description	Checked	Approved	Date
P01	DETAILED DESIGN	CP	TL	10.06.2024

Author L. AQUINO **Drafting Check** G. POCKNEE
Designer E. TRURAN **Design Check** D. NEALON

0 0.1 0.2 0.3 0.4 0.5m
SCALE 1:10 AT ORIGINAL SIZE

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Project No. 12611726

Client NSW HEALTH INFRASTRUCTURE

Project BATEMANS BAY COMMUNITY HEALTH

Status PRELIMINARY

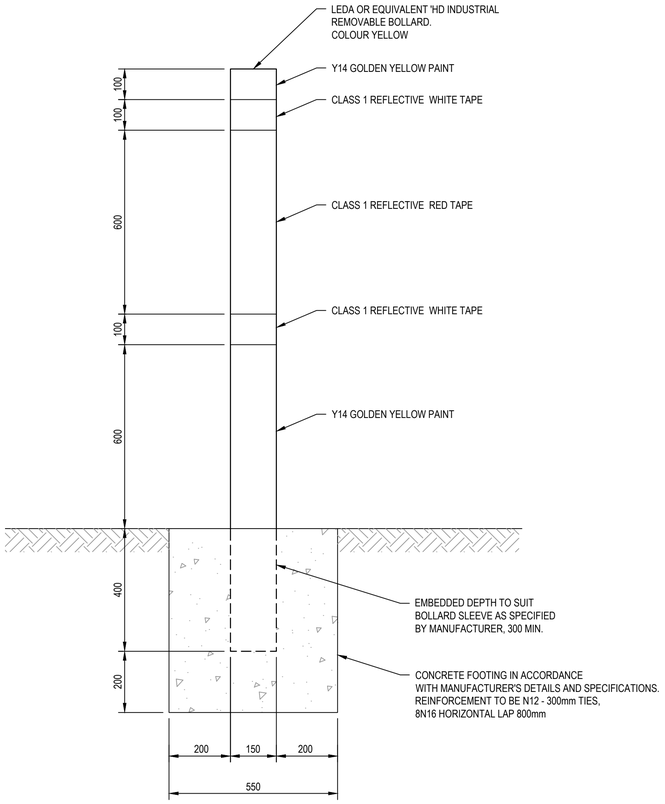
Drawing Title CIVIL WORKS
DISABLED LINEMARKING AND RAISED PEDESTRIAN CROSSING DETAILS

Drawing No. 12611726-GHD-00-00-DRG-CI-00005

Size A1

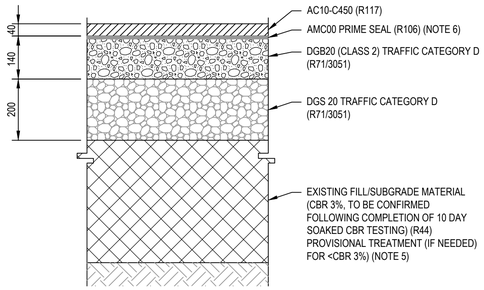
Rev P01

Plot Date: 7 June 2024 - 2:21 PM Plotted by: James Kenneth Pantola File Name: C:\12d\SW\data\P-00-12D-001\23-12611726 - BBCH_2998\CADD\Drawings\12611726-GHD-00-00-DRG-CI-00005.dwg



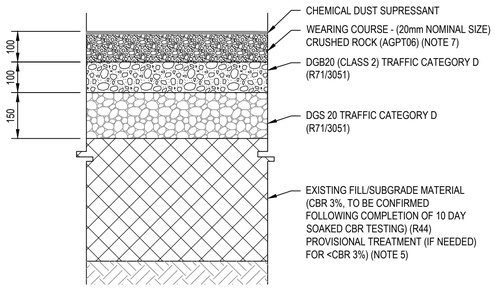
BOLLARD DETAIL

SCALE 1:10



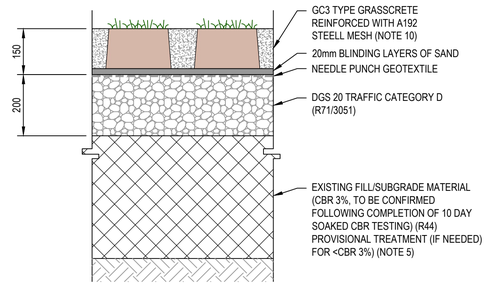
DOUBLE SEALED GRANULAR PAVEMENT

SCALE 1:10



UNSEALED GRANULAR PAVEMENT

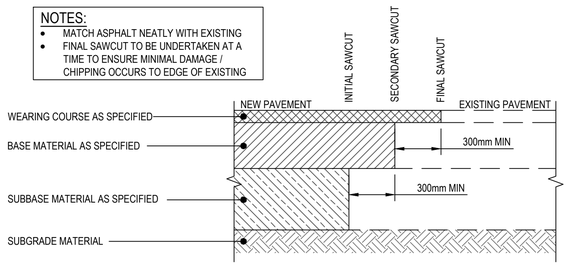
SCALE 1:10



GRASSCRETE PAVEMENT

SCALE 1:10

NOTES:
- MATCH ASPHALT NEATLY WITH EXISTING
- FINAL SAWCUT TO BE UNDERTAKEN AT A TIME TO ENSURE MINIMAL DAMAGE / CHIPPING OCCURS TO EDGE OF EXISTING



EXISTING AC TO NEW GRANULAR PAVEMENT DETAIL

SCALE 1:10

PAVEMENT DETAILS

PAVEMENT NOTES

1. REFER SHEET C-00002 FOR GENERAL NOTES.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
3. ACCESS ROAD PAVEMENT DETAIL AND FINISHED SURFACE LEVEL TO BE CONFIRMED FOLLOWING SITE DRAINAGE DESIGN AND ASSESSMENT OF CONSTRUCTION ACCESS ROAD.
4. ALL TOPSOIL AND ORGANIC MATERIAL SHALL BE STRIPPED FROM THE SIDE PRIOR TO PAVEMENT CONSTRUCTION.
5. AT AREAS OF SOFT SUBGRADE WHERE A PROOF ROLL TEST FAILS (CBR<3%), DYNAMIC CONE PENETROMETER (DCP) TESTING SHALL BE CONDUCTED TO CONFIRM THE SUBGRADE REPLACEMENT. IF THE DESIGN SUBGRADE CBR IS LESS THANK 3%, 300mm INSITU LIME STABILISATION (WHERE FOUND TO BE SUITABLE IN ACCORDANCE TO R71/3051 OR CLASS 3 GRANULAR REPLACEMENT TO THICKNESSES DEFINED IN THE BELOW TABLE.

   TYPICAL MINIMUM COVER TO PROVIDE A STABLE CONSTRUCTION PLATFORM.

INSITU SUBGRADE CBR (%) AT A TIME OF CONSTRUCTION	TYPICAL MINIMUM COVER OF GRANULAR FILL TO PROVIDE A STABLE CONSTRUCTION PLATFORM
<1	REQUIRES SPECIALIST SUBGRADE TREATMENT, AND TO CONTACT PAVEMENT DESIGNER FOR SUCH INPUT
1.0 - 1.4	400
1.5 - 1.9	300
2.5 - 2.9	200
2.0 - 2.4	150

6. AMC00 PRIME NOMINAL SPRAY RATE 1.0l/m2. SPRAY RATE TO BE CONFIRMED BY THE SUPERENTENDENT PRIOR TO APPLICATION. ALLOW 48 HOURS BETWEEN PRIME AND SEAL.
7. FOR WEARING COARSE MATERIAL:
   MAX PI 12, MAX WPI 250, MIN CBR 40%, SHRINKAGE PRODUCT 100-240, GRADING COEFFICIENT 20-65, TRETON IMPACT 20-65 (FOR MORE DETAILS REFER TO PAVEMENT TECHNICAL NOTE TABLE 4).
8. GRASSCRETE DETAIL DESIGN PREPARED ACCORDING TO GRASSCRETE INSTALLATION GUIDE AND SPECIFICATION FROM "ENVIRO CONCRETE AND CONSTRUCTIONS" TO BE CONFIRMED BY THE SUPERINTENDENT PRIOR TO APPLICATION.
9. EXPANSION JOINTS SHALL BE INCORPORATED AT 10 x 10m CENTRES AND SHALL CONSIST OF 300mm LONG x 20mm DIAMETER DOWELS AT 600mm CENTRES WITH CAP AND DE-BOND TO ONE END WITH JOINT SEALED IRRESPECTIVE OF FILLER TYPE.

Rev	Description	Checked	Approved	Date
P02	DETAILED DESIGN	CP	TL	10.06.2024
P01	DRAFT DETAILED DESIGN			

Author L. AQUINO **Drafting Check** G. POCKNEE
Designer E. TRURAN **Design Check** D. NEALON

0 0.1 0.2 0.3 0.4 0.5m
SCALE 1:10 AT ORIGINAL SIZE

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Project No. 12611726

Client NSW HEALTH INFRASTRUCTURE
Project BATEMANS BAY COMMUNITY HEALTH
Status PRELIMINARY

Drawing Title CIVIL WORKS
PAVEMENT AND BOLLARD DETAILS

Drawing No. 12611726-GHD-00-00-DRG-CI-00006

Size A1
Rev P02

Plot Date: 7 June 2024 - 2:26 PM Plotted by: James Kenneth Pantola File Name: C:\12d\SW\data\P-00-12D-001\23-12611726 - BBCH_2998\CADD\Drawings\12611726-GHD-00-00-DRG-CI-00006.dwg

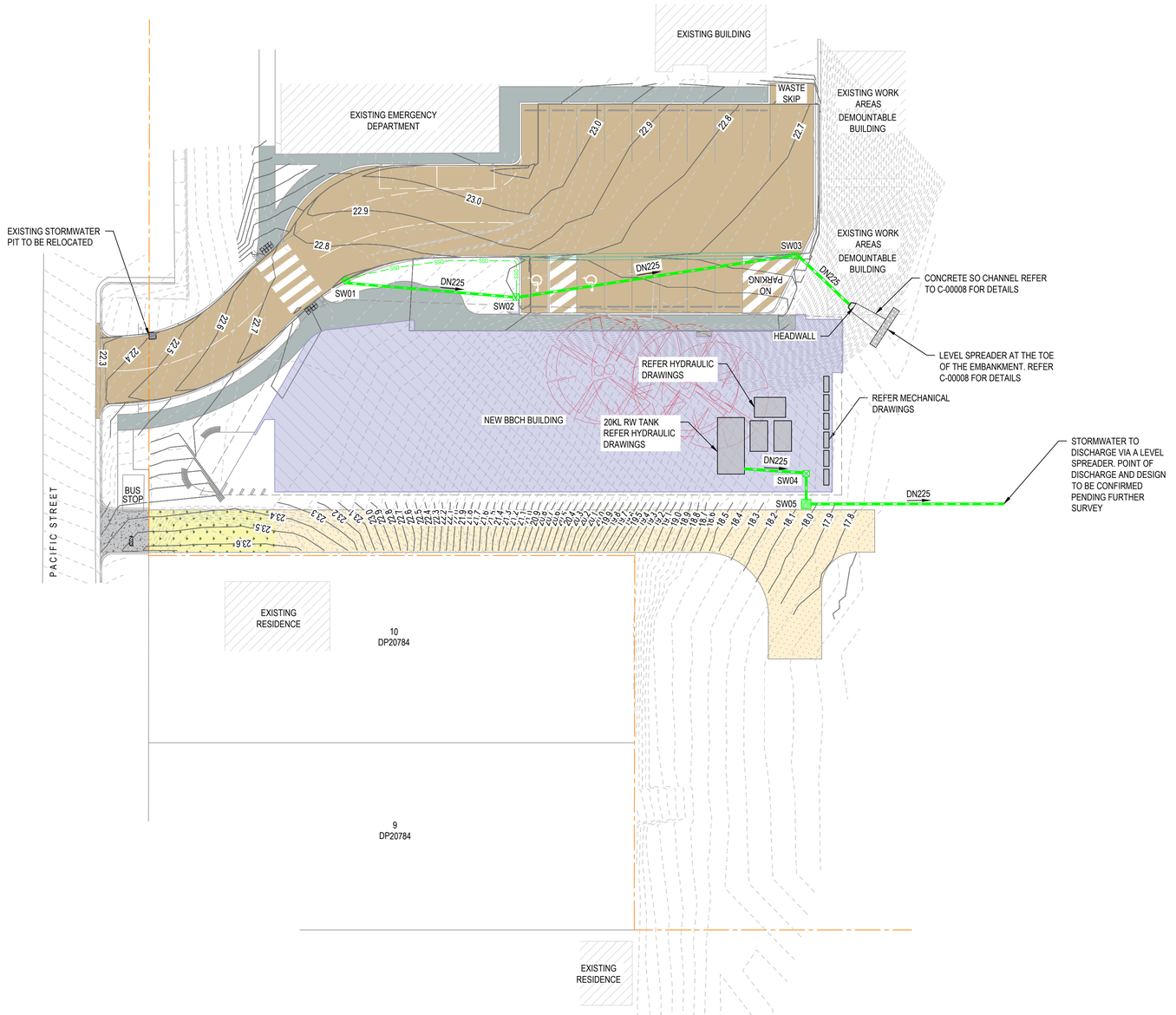
LEGEND

- PROPOSED DRAINAGE NETWORK FLOW AND PIPE DIAMETER - UPVC
- DISH DRAIN
- SUBSOIL DRAIN
- JUNCTION PIT
- GRATED INLET PIT

NOTES:

1. REFER SHEET CI-00002 FOR GENERAL NOTES.
2. STORMWATER TRENCH DETAIL AS PER EUROBODALLA SHIRE COUNCIL STANDARD DRAWINGS No. C-007-1 FROM APPENDIX C OF INFRASTRUCTURE DESIGN STANDARD CODE.
3. SUBSOIL DRAINAGE AS PER EUROBODALLA SHIRE COUNCIL STANDARD DRAWINGS No. 005-b-1 FROM APPENDIX C OF INFRASTRUCTURE DESIGN STANDARD CODE.
4. KERB INLET PIT DETAILS AS PER EUROBODALLA SHIRE COUNCIL STANDARD DRAWING NO. 005-I FROM APPENDIX C OF INFRASTRUCTURE DESIGN STANDARD CODE.

PIT SCHEDULE		
NAME	TYPE	SIZE (mm)
SW01	GRATED KERB INLET	600 x 1200
SW02	JUNCTION	600 x 600
SW03	V-GRATE	600 x 600
SW04	JUNCTION	900 x 900
SW05	GRATED INLET	900 x 900



STORMWATER PLAN

SCALE 1:250

Rev	Description	Checked	Approved	Date
P02	DETAILED DESIGN (PREVIOUSLY CI-00004)	CP	TL	10.06.2024
P01	DRAFT DETAILED DESIGN			

Author L. AQUINO **Drafting Check** G. POCKNEE
Designer E. TRURAN **Design Check** D. NEALON

0 2.5 5 7.5 10 12.5m
SCALE 1:250 AT ORIGINAL SIZE

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Project No. 12611726

Client NSW HEALTH INFRASTRUCTURE

Project BATEMANS BAY COMMUNITY HEALTH

Status PRELIMINARY

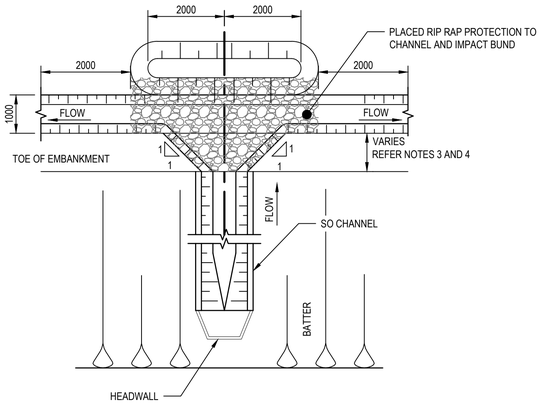
Drawing Title CIVIL WORKS
STORMWATER PLAN

Size A1

Drawing No. 12611726-GHD-00-00-DRG-CI-00007

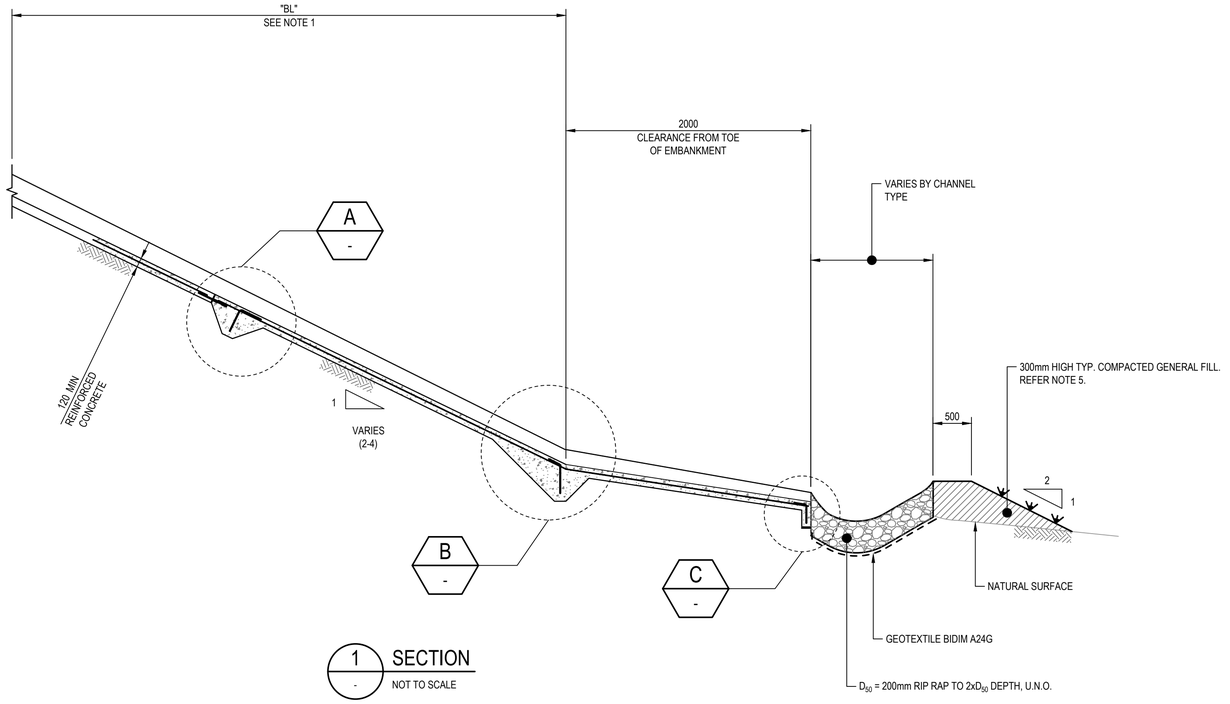
Rev P02

Plot Date: 7 June 2024 - 2:26 PM Plotted by: James Kenneth Pantola File Name: C:\12d\SW\data\P-00-12D-001\23-12611726 - BBCH_2998\CADD\Drawings\12611726-GHD-00-00-DRG-CI-00007.dwg



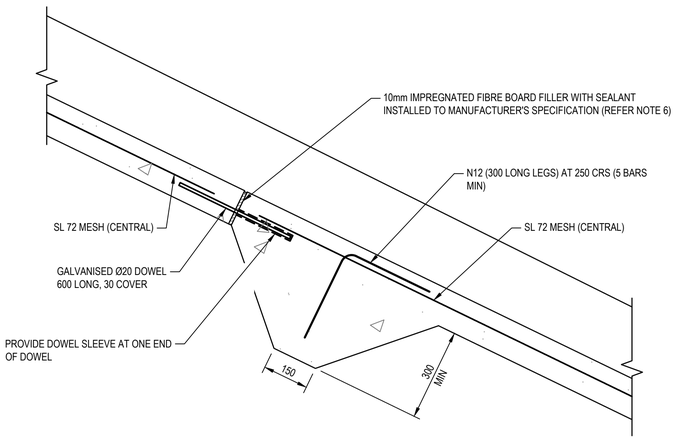
'SO' TURNOUT- TYPE 1
TURNOUT TO BATTER CHUTE TO CHANNEL

NOT TO SCALE



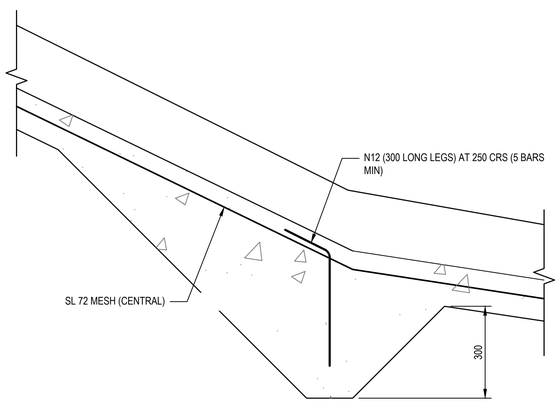
1 - SECTION

NOT TO SCALE



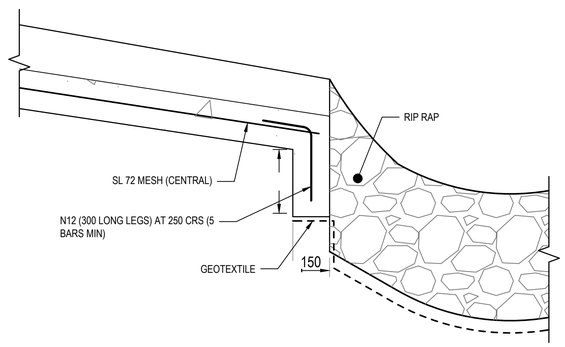
A - DETAIL

SCALE 1 : 10



B - DETAIL

SCALE 1 : 10



C - DETAIL

SCALE 1 : 10

NOTES:

1. DETAIL 'B' APPLIES WHERE "BL"≥ 6m (AT 6m CTRS MAX).
2. GUTTER TRANSITIONS FROM 100mm TO 300mm DEEP.
3. WHERE THE RECEIVING CHANNEL IS LOCATED FURTHER THAN 6m FROM THE TOE OF THE BATTER, THE BATTER CHUTE TO SPREADER DETAIL IS A SUITABLE ALTERNATIVE
4. CONFIRM OFFSET FROM TOE OF BATTER OR CUTTING HINGE POINT BY REFERENCE TO THE FENCING DESIGN. WHERE LOCAL TOPOGRAPHY FALLS TOWARDS TOE OF BATTER PROVIDE LOCAL FILL AT MINIMUM 0.5% GRADE FOR FREE DRAINAGE.
5. WHERE NATURAL SLOPE EXCEEDS 5% INCREASE MOUND HEIGHT TO 1000mm.
6. SEALANT MUST BE IN ACCORDANCE WITH TINSW QA SPECIFICATION B312.
7. RIP RAP TO BE CONSTRUCTED IN ACCORDANCE WITH TINSW SPECIFICATION R11.

Rev	Description		Checked	Approved	Date
P01	DETAILED DESIGN		CP	TL	10.06.2024
Author	L. AQUINO	**Drafting Check**	G. POCKNEE		
Designer	E. TRURAN	**Design Check**	D. NEALON		

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Project No. 12611726

Client: NSW HEALTH INFRASTRUCTURE

Project: BATEMANS BAY COMMUNITY HEALTH

Status: PRELIMINARY

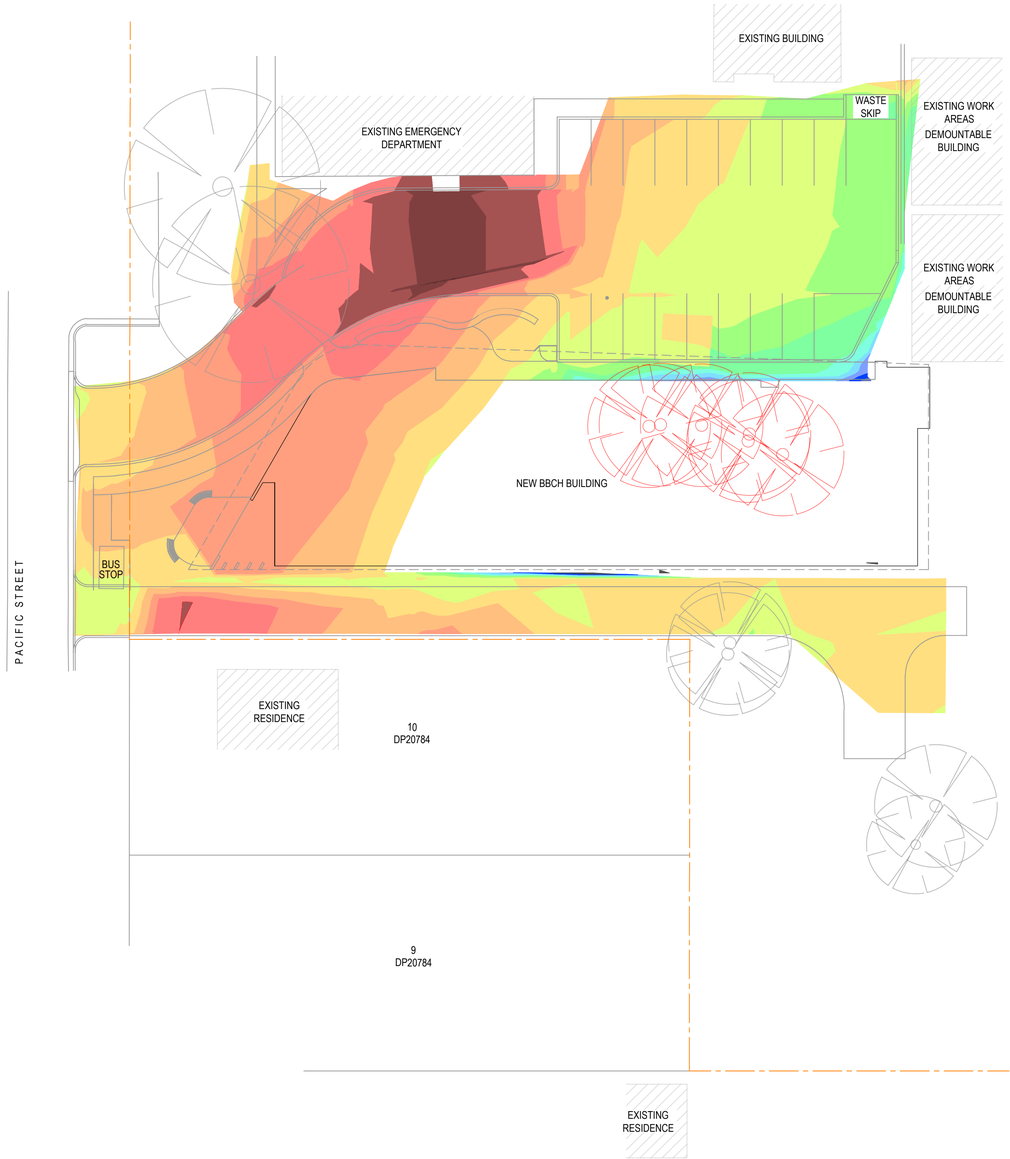
Drawing Title: CIVIL WORKS
STANDARD DRAINAGE DETAILS

Size: A1

Drawing No.: 12611726-GHD-00-00-DRG-CI-00008

Rev: P01

Plot Date: 7 June 2024 - 2:27 PM Plotted by: James Kenneth Pantola File Name: C:\12d\SW\data\P-00-12D-001\23-12611726 - BBCH_2998\CADD\Drawings\12611726-GHD-00-00-DRG-CI-00008.dwg



LEGEND

- -1.2m TO -1.0m
- -1.0m TO -0.8m
- -0.8m TO -0.6m
- -0.6m TO -0.4m
- -0.4m TO -0.2m
- -0.2m TO 0.0m
- 0.0m TO 0.2m
- 0.2m TO 0.4m
- 0.4m TO 0.6m
- 0.6m TO 0.8m
- 0.8m TO 1.0m
- 1.0m TO 1.2m
- 1.2m TO 1.4m
- 1.4m TO 1.6m
- 1.6m TO 1.8m
- 1.80m TO 2.0m

NOTES:

1. REFER SHEET CI-00002 FOR GENERAL NOTES.

BULK EARTHWORKS PLAN

SCALE 1:250

Rev	Description	Checked	Approved	Date
P02	DETAILED DESIGN (PREVIOUSLY CI-00005)	CP	TL	10.06.2024
P01	DRAFT DETAILED DESIGN			

Author L. AQUINO **Drafting Check** G. POCKNEE
Designer E. TRURAN **Design Check** D. NEALON

0 2.5 5 7.5 10 12.5m
SCALE 1:250 AT ORIGINAL SIZE

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Project No. 12611726

Client NSW HEALTH INFRASTRUCTURE
Project BATEMANS BAY COMMUNITY HEALTH
Status PRELIMINARY

Drawing Title CIVIL WORKS
BULK EARTHWORKS PLAN

Size A1
Drawing No. 12611726-GHD-00-00-DRG-CI-00009
Rev P02

Plot Date: 7 June 2024 - 2:26 PM Plotted by: James Kenneth Pantola File Name: C:\12d\SW\data\P-00-12D-001\23-12611726 - BBCH_2998\CADD\Drawings\12611726-GHD-00-00-DRG-CI-00009.dwg

SEDIMENT EROSION CONTROL PLAN

SCALE 1:250

LEGEND

- SF — SILT FENCE
- SITE FENCE
- STABILISED SITE ACCESS
- STRAW BALE SEDIMENT FILTER
- POSSIBLE CONTRACTOR LAYDOWN AND AND STOCKPILE AREA
- 22.0 — DESIGN MAJOR CONTOURS
- 22.2 — DESIGN MINOR CONTOURS
- 22.0 — EXISTING MAJOR CONTOURS
- 22.2 — EXISTING MINOR CONTOURS

NOTES:

1. REFER SHEET C-00002 FOR GENERAL NOTES.

Rev	Description	Checked	Approved	Date
P02	DETAILED DESIGN (PREVIOUSLY CI-00007)	CP	TL	10.06.2024
P01	DRAFT DETAILED DESIGN			

Author L. AQUINO **Drafting Check** G. POCKNEE

Designer E. TRURAN **Design Check** D. NEALON

0 2.5 5 7.5 10 12.5m

SCALE 1:250 AT ORIGINAL SIZE

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Project No. 12611726

Client NSW HEALTH INFRASTRUCTURE

Project BATEMANS BAY COMMUNITY HEALTH

Status PRELIMINARY

Drawing Title CONCEPT
SEDIMENT EROSION CONTROL PLAN

Size A1

Drawing No. 12611726-GHD-00-00-DRG-CI-00010

Rev P02

Plot Date: 7 June 2024 - 2:26 PM Plotted by: James Kenneth Pantola

File Name: C:\12d\SW\data\P-00-12D-001\23-12611726 - BBCH_2998\CADD\Drawings\12611726-GHD-00-00-DRG-CI-00010.dwg

GENERAL INSTRUCTIONS

1. THE CONCEPT SEDIMENT AND EROSION CONTROL PLAN SHOWS THE CONTROL OBJECTIVES, PHILOSOPHY AND KEY CONTROL WORKS FOR THE SITE. THE CONTRACTOR SHALL PROVIDE SUPPLEMENTARY WORKS THAT REFLECT THE ADOPTED CONSTRUCTION PROGRAM AND PRACTICES TO ENSURE THAT EROSION AND SEDIMENT MOVEMENT ARE MANAGED IN ACCORDANCE WITH THE OBJECTIVES OF THIS PLAN.
2. EROSION AND SEDIMENT HAZARD AREAS INCLUDE STOCKPILES, EXPOSED GROUND, EMBANKMENTS, CUTTINGS CONCENTRATED FLOW PATHS AND WATERWAYS.
3. ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AND STRUCTURES SHALL BE LOCATED AS SHOWN ON SEDIMENT AND EROSION CONTROL PLAN AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE GUIDELINES AND PRINCIPLES AS OUTLINED IN 'THE BLUE BOOK'.
4. THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING PLANS, AND ANY OTHER PLANS OR WRITTEN INSTRUCTIONS THAT MAY BE ISSUED BY THE SITE SUPERINTENDENT RELATING TO DEVELOPMENT OF THE SUBJECT SITE.
5. THE SITE SUPERINTENDENT WILL ENSURE THAT ALL SEDIMENT AND EROSION CONTROL WORKS ARE LOCATED AS INSTRUCTED.
6. ALL BUILDERS AND SUB-CONTRACTORS WILL BE INFORMED OF THEIR RESPONSIBILITIES BY THE SITE SUPERINTENDENT IN MINIMISING THE POTENTIAL FOR SOIL EROSION AND POLLUTION TO DOWNSLOPE LANDS AND WATERWAYS.
7. REFER SHEET C-00002 FOR GENERAL NOTES.

LAND DISTURBANCE

1. THE SOIL EROSION HAZARD ON THE SITE WILL BE KEPT AS LOW AS POSSIBLE AND PRACTICAL. TO THIS END, WORKS SHOULD BE UNDERTAKEN IN THE FOLLOWING GENERAL SEQUENCE.

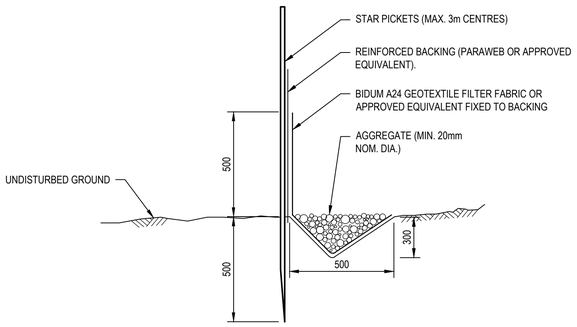
   - CONSTRUCTION OF SEDIMENT AND EROSION CONTROLS.
   - REHABILITATION OF ANY DISTURBED LANDS WITHIN 20 WORKING DAYS.
   - UNDERTAKE SITE DEVELOPMENT WORKS IN ACCORDANCE WITH THE ENGINEERING PLANS. WHERE POSSIBLE, PHASE DEVELOPMENT SO THAT LAND DISTURBANCE IS CONFINED TO AREAS OF WORKABLE SIZE.

SEDIMENT CONTROL

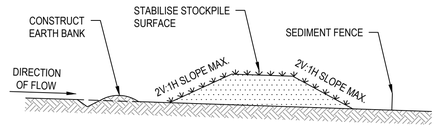
1. STOCKPILES ARE NOT TO BE LOCATED WITHIN 20m OF HAZARD AREAS, INCLUDING LIKELY AREAS OF CONCENTRATED OR HIGH VELOCITY FLOWS SUCH AS WATERWAYS, PAVED AREAS AND DRIVEWAYS. WHERE THEY ARE BETWEEN 2 AND 5m FROM SUCH AREAS, SPECIAL SEDIMENT CONTROL MEASURES SHOULD BE TAKEN TO MINIMISE POSSIBLE POLLUTION TO DOWNSLOPE WATERS, EG, THROUGH INSTALLATION OF "SILT" FENCING.
2. 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 FROM PLACEMENT.
3. 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.
4. CLEAN WATER SHALL BE DIVERTED AROUND THE WORKS TO PREVENT CONTAMINATION BY SEDIMENTS.
5. 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.
6. DURING WINDY WEATHER, LARGE, UNPROTECTED AREAS ARE TO BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER FOR DUST CONTROL.

INSPECTION AND MAINTENANCE

1. 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.
2. AT LEAST WEEKLY, THE CONTRACTOR WILL 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 50% OF TRAPPING CAPACITY REMAIN 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.
3. THE CONTRACTOR SHALL PROVIDE & MAINTAIN A 'LOG BOOK' TO RECORD INFORMATION & DATA WITH RESPECT TO THE SEDIMENT & EROSION CONTROL PLAN. INFORMATION RECORDED MUST INCLUDE:
   - RAINFALL EVENTS
   - RAINFALL IN MILLIMETRES
   - RESULTS OF ANY INSPECTIONS



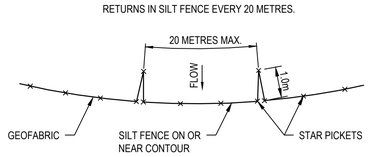
SILT FENCE
NTS



GENERAL CONSTRUCTION NOTES

1. LOCATE STOCKPILE AT LEAST 5m FROM EXISTING VEGETATION, CONCENTRATED WATER FLOWS, ROADS AND HAZARD AREAS
2. CONSTRUCT ON THE CONTOUR AS A LOW, FLAT, ELONGATED MOUND
3. WHERE THERE IS SUFFICIENT AREA TOPSOIL STOCKPILES SHALL BE LESS THAN 2m IN HEIGHT
4. REHABILITATE IN ACCORDANCE WITH THE SWMP/ESCP
5. CONSTRUCT EARTH BAN (SD 5-2) ON THE UPSLOPE SIDE TO DIVERT RUN OFF AROUND THE STOCKPILE FENCE (SD 6-7) 1 TO 2m SOWNSLOPE OF STOCKPILE

STOCKFILES SD 4-1
NTS



GEOFABRIC SILT FENCE FLOW BARRIERS
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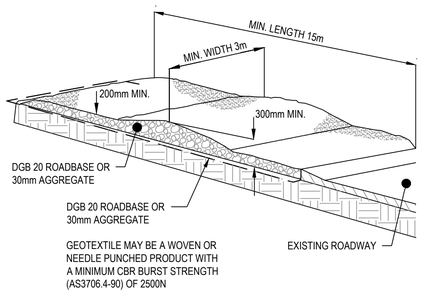

STABILISED SITE ACCESS
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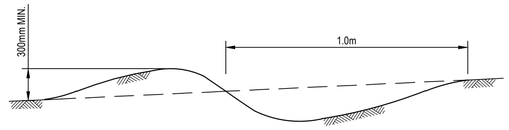

DIVERSION BANK
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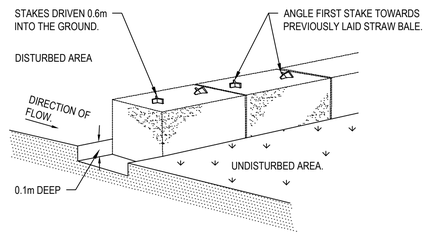
DRAINAGE AREA 0.4ha MAX. SLOPE GRADIENT 1:2 MAX.
SLOPE LENGTH 40m MAX.



STRAW BALE SEDIMENT FILTER
NTS

Rev	Description	Checked	Approved	Date
P02	DETAILED DESIGN (PREVIOUSLY CI-00008)	CP	TL	10.06.2024
P01	DRAFT DETAILED DESIGN			

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Project BATEMANS BAY COMMUNITY HEALTH

Status PRELIMINARY

Drawing Title CIVIL WORKS
SEDIMENT EROSION CONTROL
NOTES AND DETAILS

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Rev P02

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