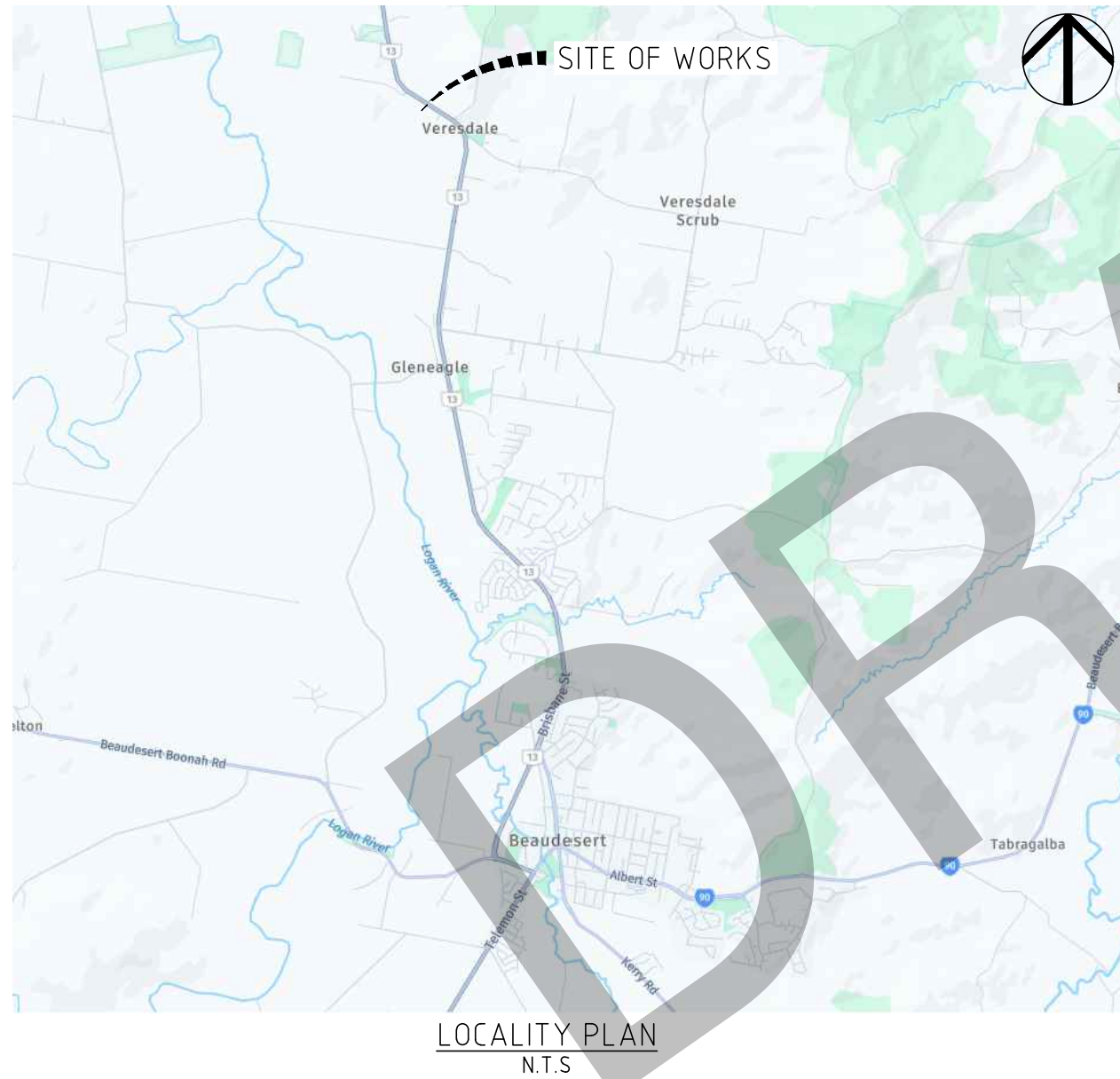


THE WALTON HOTEL - CARPARK DESIGN
6202 MOUNT LINDESAY HIGHWAY, VERESDALE QLD 4285



SHEET NO.	SHEET TITLE	REVISION
01	COVER SHEET	1
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				SURVEY DATA		ACE CIVIL CONSTRUCTIONS		COVER SHEET				PO Box 554 Beaudesert QLD 4285		ACS Engineers CIVIL ENVIRONMENTAL PROJECT MANAGEMENT				
				DATUM		WOODHILL, QLD 4285												
				MAP GRID		THE WALTON HOTEL - CARPARK DESIGN		ENGINEERING CERTIFICATION (RPEQ)				DRAWING NUMBER		REVISION				
				HEIGHT ORIGIN				#		FIELD		NAME		SIGNATURE		DATE		
				SURVEY BOOKS														
1	PRELIMARY		MLS	10/12/25			6202 MOUNT LINDESAY HIGHWAY, VERESDALE QLD 4285								ACS-250126-GEN-01		1	
REVISION/DETAILS				DWN		DATE		DES		DATE								
FILE: C:\1205\DATA\ACSSYN\250126 - THE WALTON HOTEL - CARPARK DESIGN_994\DESIGN\DRAWING FILES\ACS-250126-GEN.DWG PLOT TIME: 15/12/2025 - 5:19PM BY USER: JONATHANOPPERMANN																		

GENERAL NOTES

1. THE BILL OF QUANTITIES (BOQ) IS PROVIDED AS A GUIDE ONLY. THE CONTRACTOR IS TO REVIEW THIS BOQ AGAINST THE PLANS AND VERIFY QUANTITIES AS A PART OF THEIR DUE DILIGENCE IN TENDERING. ANY DISCREPANCIES ARE TO BE REFERRED TO ACS ENGINEERS FOR CLARIFICATION.
2. THE CONTRACTOR IS RESPONSIBLE FOR ACCURATELY ASCERTAINING THE LOCATION OF EXISTING UNDERGROUND AND OVERHEAD SERVICES PRIOR TO THE COMMENCEMENT OF WORKS.
3. REFER ANY DISCREPANCY TO THE PRINCIPLE ENGINEER BEFORE PROCEEDING WITH THE WORK.
4. PRIOR TO CONSTRUCTION LOCATE ALL EXISTING SERVICES IN THE VICINITY THAT MAY BE AFFECTED BY THE PROPOSED CONSTRUCTION.
5. DESIGN LEVELS TO BE CONFIRMED ON SITE PRIOR TO COMMENCING CONSTRUCTION.
6. CONCRETE ELEMENTS INCLUDING KERBS, FOOTPATHS, DRIVEWAYS ETC. SHALL BE SAW CUT WHERE REQUIRED AND SHALL BE REPLACED WITH MATCHING SURFACE TEXTURE AND TREATMENT AS ADJOINING SURFACES OR AS SPECIFIED IN THE DRAWINGS. NEW SURFACE SHALL MATCH SMOOTHLY WITH ADJOINING SURFACES.

SITE ACCESS:

1. PRIOR TO THE COMMENCEMENT OF SITE WORKS, THE LOCATION OF THE SITE ACCESS POINT MUST BE VERIFIED WITH RELEVANT AUTHORITY.
2. SITE ACCESS IS RESTRICTED TO ONE LOCATION.
3. SITE EXIT POINT MUST BE APPROPRIATELY MANAGED TO MINIMISE THE RISK OF SEDIMENT BEING TRACKED ONTO SEALED PUBLIC ROADWAYS.
4. STORMWATER RUNOFF FROM ACCESS ROADS AND STABILISED ENTRY/EXIT POINTS MUST DRAIN TO AN APPROPRIATE SEDIMENT CONTROL DEVICE.

EARTHWORKS - GENERAL

1. THE CONTRACTOR IS TO STRIP THE CONSTRUCTION AREA OF ALL GRASS, SHRUBS, RUBBISH, DELETERIOUS MATERIAL AND UNSUITABLE TOPSOIL AS NOMINATED BY THE ENGINEER.
2. DISPOSAL OF UNSUITABLE MATERIAL IS TO BE ONSITE. TOPSOIL APPROVED BY THE CLIENT FOR REUSE, IS TO BE STOCKPILED ON SITE AS DIRECTED.
3. BULK EARTHWORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH COUNCIL STANDARDS AND THE REQUIREMENTS OF AS3798.
4. ALL FILL UNDER FOOTINGS AND SLABS SHALL BE COMPACTED IN LAYERS NOT GREATER THAN 200mm TO 98% STANDARD COMPACTION FOR COHESIVE MATERIALS OR A DENSITY INDEX OF NOT LESS THAN 70% FOR NON COHESIVE MATERIALS.
5. ALL EARTHWORKS ARE TO BE UNDERTAKEN UNDER THE LEVEL 1 INSPECTION AND TESTING REQUIREMENTS OUTLINED IN AS3798.
6. THE CONTRACTOR SHALL PROVIDE DETAILS OF ALL TESTING TO THE SUPERVISING ENGINEER PROGRESSIVELY THROUGH THE WORKS AND NOTIFY THE ENGINEER OF ANY NON-CONFORMANCES. ALL NON CONFORMING WORK IS TO BE RECTIFIED.
7. PRIOR TO WORKS PROCEEDING, REMOVE SOFT AND OR COMPRESSIBLE ZONES AND REPLACE WITH SELECT SITE MATERIAL COMPACTED TO A DENSITY CONSISTENT WITH THAT NOTED FOR THE PROPOSED FILLING.
8. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT THE SITE AND SURROUNDING AREAS FROM DAMAGE RESULTING FROM STORMWATER RUNOFF. TEMPORARY DIVERSION DRAINS AND OR OTHER DRAINAGE CONTROL DEVICES ARE TO BE IMPLEMENTED BY THE CONTRACTOR DURING CONSTRUCTION TO MINIMISE THE EFFECTS OF WEATHER.
9. ALL FILL MATERIAL PLACED ON THE SITE COMPRISING ONLY NATURAL EARTH AND ROCK IS TO BE FREE OF CONTAMINANTS (AS DEFINED BY SECTION 11 OF THE ENVIRONMENTAL PROTECTION ACT (EPA) 1994), NOXIOUS, HAZARDOUS, DELETERIOUS AND ORGANIC MATERIALS.
10. IMPORTED FILL FOR BUILDING PAD SHALL MEET THE REQUIREMENTS OF AS3798 FOR IMPORTED FILL.
11. BUILDING PAD TO BE KEYED INTO NATURAL SURFACE AFTER TOPSOIL STRIP.

EARTHWORKS - ROADWAYS

1. CLEARING AND GRUBBING SHALL BE LIMITED TO THOSE AREAS REQUIRED TO CONSTRUCT THE WORKS AND/OR MEET VISIBILITY REQUIREMENTS.
2. CLEARED AND GRUBBED MATERIAL OTHER THAN THAT MULCHED SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH ALL RELEVANT STATUTORY REQUIREMENTS.
3. WHERE WHEREVER PRACTICAL TOPSOIL SHALL BE TRANSFERRED DIRECTLY TO PLACEMENT AS PLANTING MEDIA. WHERE STOCKPILING OF TOPSOIL IS REQUIRED, IT SHALL BE CARRIED OUT IN A MANNER WHICH ENSURES THE PROPERTIES OF THE TOPSOIL ARE NOT PERMITTED TO DEGRADE SUCH THAT IT BECOMES UNSUITABLE AS PLANTING MEDIA.
4. WHERE UNSUITABLE MATERIAL IS ENCOUNTERED ONSITE, THE FOREMAN SHALL NOTIFY THE PROJECT ENGINEER BEFORE PROCEEDING TO REMOVE OR COVER SUCH MATERIAL.
5. MATERIAL USED FOR CONSTRUCTION OF SUBGRADE IN ROAD EMBANKMENT, WHERE DIRECTED, SHALL BE GENERAL FILL MATERIAL SUITABLE FOR PLACEMENT USING THE COMPACTED LAYER METHOD AND HAS A MAXIMUM STONE SIZE OF 75mm.

EXCAVATION ADJACENT TO POWER POLES:

1. POSSIBLE TRENCH SHORING REQUIREMENTS NEAR POWER POLES TO BE COORDINATED WITH ENERGEX AND THE APPROPRIATE APPROVALS TO BE OBTAINED FROM ENERGEX PRIOR TO CONSTRUCTION COMMENCEMENT.
2. ANY TRENCHING REQUIREMENTS ADJACENT TO EXISTING POWER POLES SHALL HAVE THE POWER POLES ADEQUATELY SUPPORTED DURING TRENCHING AND BACKFILLING OPERATIONS. A CERTIFIED ENGINEERING ASSESSMENT OF THE COMPACTION OF BACKFILL MATERIAL IS TO BE PROVIDED TO AND ASSESSED BY ENERGEX TO ENSURE POLE STABILITY BEFORE REMOVAL OF ADDITIONAL SUPPORT.
3. ALL CONSTRUCTION WITHIN 3m OF OVERHEAD POWER LINES REQUIRE 'SAFETY ADVICE ON WORKING AROUND ELECTRICAL POSTS' FORM BS00014.05F108 FROM ENERGEX.

CONSTRUCTION NOTES

1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ENGINEERS AND OTHER CONSULTANT'S DRAWINGS AND SPECIFICATIONS AND WITH OTHER SUCH WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCIES SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
2. NO RESPONSIBILITY WILL BE TAKEN FOR DIMENSIONS OBTAINED BY SCALING THESE DRAWINGS.
3. ALL DIMENSIONS SHALL BE VERIFIED ON SITE BY THE CONTRACTOR WHO SHALL BE RESPONSIBLE FOR THEIR CORRECTNESS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STRUCTURE AND NEIGHBOURING STRUCTURES IN A SAFE AND STABLE CONDITION DURING CONSTRUCTION. NO PART SHALL BE OVER STRESSED.
5. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT S.R.R.C SPECS AND THE BY-LAWS AND ORDINANCES OF THE RELEVANT GOVERNMENT AUTHORITY.
6. THE CONTRACTOR SHALL PROVIDE TRAFFIC MANAGEMENT FOR THE DURATION OF CONSTRUCTION IN ACCORDANCE WITH "THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES - PART 3 2017", IF REQUIRED.
7. THE CONTRACTOR IS TO LOCATE, IDENTIFY AND ESTABLISH THE CONNECTIVITY OF ALL EXISTING SERVICES WITHIN THE LIMITS OF THE WORKS AND CONFIRM THIS INFORMATION WITH THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
8. PROPERTY BOUNDARIES ARE SUBJECT TO CONFIRMATION BY FIELD SURVEY CARRIED OUT BY A REGISTERED SURVEYOR.
9. ALL WORK SHALL BE JOINED NEATLY TO EXISTING FEATURES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MEASURING DEVICES, SAFETY EQUIPMENT AND MACHINERY REQUIRED TO CARRY OUT INSPECTIONS AS SPECIFIED OR REQUESTED.
11. THE CONTRACTOR SHALL RESTORE ALL EXTERNAL AREAS TO THE SITE, TO THEIR ORIGINAL CONDITION UPON COMPLETION OF THE WORKS.

PAVEMENT NOTES:

1. BASE GRAVEL TO BE TYPE 2 MATERIAL WITH MINIMUM CBR80 AND SUB-BASE GRAVEL TO BE TYPE 2 MATERIAL WITH MINIMUM CBR45 IN ACCORDANCE WITH MAIN ROADS SPECIFICATION MRTS05 UNBOUND PAVEMENTS.
2. COMPACTION STANDARD OF SUB-BASE & BASE PAVEMENTS SHALL ACHIEVE A CHARACTERISTIC VALUE OF THE RELATIVE DRY DENSITY NOT LESS THAN 100%.
3. THE PAVEMENT SHALL BE CONSTRUCTED SO AS NOT TO DEPART FROM THE WIDTHS, LENGTHS, HEIGHTS AND SHAPES SPECIFIED IN THESE PLANS UNLESS AUTHORISED BY PROJECT ENGINEER. THE WIDTHS, HEIGHTS AND SHAPES OF LAYERS OTHER THAN THE FINAL LAYER SHALL BE CALCULATED USING THE COMPLETED PAVEMENT SURFACE AND THE DEPTH TO SURFACE OF THE PARTICULAR LAYER WITHIN THE PAVEMENT.
4. COMPACTED LAYER THICKNESS SHALL NOT BE GREATER THAN 200mm OR LESS THAN 100mm.
5. ROAD SURFACE TO BE CLEAN AND DRY PRIOR TO PLACING SEAL.
6. SEAL TO CONSIST OF TWO COATS C170 BITUMEN WITH 14mm COVER AGGREGATE APPLIED TO FIRST COAT AND 7mm COVER AGGREGATE TO SECOND COAT. SPRAY RATES AND AGGREGATE SPREAD RATES TO BE CONFIRMED BY PROJECT ENGINEER.

DELINEATION:

1. WHERE PAVEMENT IS 6.8m WIDE OR GREATER, GUIDE POSTS SHALL BE USED ON UNDIVIDED RURAL ROADS AT, OR NEAR, THE EDGE OF FORMATION AND AT A CONSTANT DISTANCE (GENERALLY BETWEEN 1.2m AND 3.0m) FROM THE PAVEMENT EDGE.
2. NOMINAL SPACING OF GUIDE POSTS ON A STRAIGHT SECTION OF ROAD SHALL BE 150m, WITH THE POSTS IN PAIRS, ONE EACH SIDE OF THE FORMATION. THE SPACING MAY BE REDUCED TO 75M IN AREAS SUBJECT TO FREQUENT FOGS.
3. THE SPACING OF GUIDE POSTS ON CURVES SHALL BE AS GIVEN IN THE TABLE 4.1 ON THIS SHEET.

ENVIRONMENTAL:

1. THE EXTENT OF CLEARING OF VEGETATION SHALL BE KEPT TO THE ABSOLUTE MINIMUM NECESSARY TO UNDERTAKE THE WORKS.
2. SILTATION CONTROLS, SITE REVEGETATION AND ENVIRONMENTAL REQUIREMENTS SHALL BE CARRIED OUT TO THE SATISFACTION OF THE PRINCIPAL.

OTHER:

1. THE CONTRACTOR IS TO TAKE ALL NECESSARY PRECAUTIONS TO CONTROL EROSION AND DOWNSTREAM SEDIMENTATION DURING ALL STAGES OF CONSTRUCTION INCLUDING THE MAINTENANCE PERIOD.
2. ALL SEDIMENT CONTROL DEVICES SHALL BE MONITORED, CLEANED AND/OR REPAIRED WHENEVER THE ACCUMULATED SEDIMENT REDUCES THE CAPACITY BY 50%.
3. THE EXTENT OF GRASSING SHALL BE DETERMINED BY THE SUPERINTENDENT AND SHALL BE SEED, AS SPECIFIED, WITHIN SEVEN DAYS OF FINAL TRIMMING.
4. EXTENT AND POSITION OF SILT FENCE CONTROL MEASURES TO BE DETERMINED ON SITE BY SUPERINTENDENT.
5. MEASURES SHOWN ON THIS DRAWING ARE MINIMUM REQUIREMENTS ONLY.
6. SCOUR PROTECTION AND SILT MANAGEMENT MEASURES TO BE PROVIDED AT STORMWATER OUTLET HEADWALLS.
7. PROVISION TO BE MADE FOR DIRT/SAND REMOVAL FROM CONSTRUCTION VEHICLES PRIOR TO TRAVEL ON PUBLIC ROADS. METHOD TO BE APPROVED BY SUPERINTENDENT PRIOR TO COMMENCEMENT OF WORK.
8. ANY SILT OR SEDIMENT CAUSED BY CONSTRUCTION TRAFFIC ON EXISTING ROADS IS TO BE REMOVED DAILY.
9. THE CONTRACTOR SHALL IMPLEMENT EROSION AND SEDIMENT CONTROL PROCEDURES DURING CONSTRUCTION AND MAINTENANCE STAGES OF THE DEVELOPMENT AND SHALL TAKE ALL NECESSARY ACTIONS TO COMPLY WITH THE POLICY OBJECTIVES OF COUNCIL'S LOCAL PLANNING POLICY - EROSION AND SEDIMENT CONTROL.
10. A SCHEDULE SHALL BE SUBMITTED FOR THE APPROVAL OF COUNCIL'S REPRESENTATIVE AT THE PRE-START MEETING FOR THE FIELD IMPLEMENTATION OF EROSION AND SEDIMENT CONTROL, DETAILING THE STAGES AT WHICH VARIOUS MANAGEMENT TECHNIQUES WOULD BE IN PLACE AND AUDITING PROCEDURES.
11. FINAL FORM OF SEDIMENT EROSION CONTROL TO BE DECIDED ON SITE BY THE SUPERINTENDENT.
12. THE CONTRACTOR IS TO ENSURE THAT NO SILT REACHES THE DOWNSTREAM WATER COURSE AND IS TO PROVIDE ADEQUATE PROTECTION TO PREVENT THIS OCCURRING.

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				MAP GRID													
				HEIGHT ORIGIN													
				SURVEY BOOKS		THE WALTON HOTEL - CARPARK DESIGN		ENGINEERING CERTIFICATION (RPEQ)				DRAWING NUMBER		REVISION			
								#	FIELD	NAME	SIGNATURE	DATE	ACS-250126-GEN-02		1		
1	PRELIMARY			MLS	10/12/25												
REVISION/DETAILS				DWN	DATE	DES	DATE										
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LEGEND:

-  PROPOSED BUILDING
 DESIGN LINEMARKING
 DESIGN STORMWATER DEVICES
 EXISTING SEALED AREA
 BIO-DETENTION GARDEN BED
 CONCRETE
 GRAVEL ROADBASE WITH DECO

PARKING NOTES:

176x PARKING SPACES
(INCL. 2 PWD SPACES)
1x LOADING ZONE
1x DROP OFF/PICK UP ZONE

DROP OFF/PICK UP ZONE
(TO BE SIGNED POSTED)

2x DISABILITY PARKING SPACES

THE WALTON HOTEL
L1 RP25747

LOADING ZONE
SUITABLE FOR SRV
(TO BE SIGNED POSTED

PROPOSED CARPORT
AREA FOR DRIVE THRU
BOTTLE SHOP

BOTTLE SHOP

DRIVE TH
BROWSING

BIORETENTION GARDEN
(1.0m WIDE)

'STAFF ONLY PARKING'
SIGN

4m WIDE ACCESS GATE

MT LINDESAY HIGHWAY

— EXISTING
SEALED AREA

45mPa CONCRETE SLAB
(5.8m WIDE x 33.4m LONG)

GRAVEL ROADBASE WITH DECO
(REFER TO PAVEMENT DETAIL)

PARKING BAYS TO BE DELINEATED
WITH PINNED MARKER DISCS AND
TIMBER WHEELSTOPS

L2
RP2574

BIORETENSION GARDEN
(0.3m WIDE)

28.6m

MT LINDESAY HIGHWAY

L4
RP864273

L2
RP25771

L4
RP864273

GRAPHIC SCALE (m)

				SURVEY DATA		ACE CIVIL CONSTRUCTIONS		LAYOUT PLAN				PO Box 554 Beaudesert QLD 4285		ACS Engineers (07) 5541 3500 www.acsengineers.com.au CIVIL ENVIRONMENTAL PROJECT MANAGEMENT					
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				MAP GRID								(07) 5541 3500 www.acsengineers.com.au							
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				SURVEY BOOKS				#	FIELD	NAME	SIGNATURE	DATE	ACS-250126-GEN-03		1				
1	PRELIMARY	MLS	10/12/25			6202 MOUNT LINDESAY HIGHWAY, VERESDALE QLD 4285													
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1. SUBGRADE TO BE PROOF ROLLED BEFORE PLACEMENT OF SUBGRADE GRAVEL.
2. DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
3. GRAVEL SUB-GRADE SUBJECT TO TESTING MIN. 150mm CBR 15 U.N.O.
4. THICKNESS OF CONCRETE IS STRUCTURAL THICKNESS. ALL CONCRETE FINISHES SHALL BE ALLOWED FOR ADDITIONAL eg. DEPTH OF CONCRETE STAMPING.
5. JOINTS TO BE PLACED AT MAXIMUM SPACINGS UNLESS NOTED OTHERWISE.
6. CONCRETE, APART FROM SMOOTH TROWLED JOINTS AND EDGE TREATMENTS TO HAVE BROOM FINISH.

CONCRETE NOTES (ROADS)

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS.3600, CURRENT EDITION WITH AMENDMENTS.
2. CONCRETE QUALITY (UNLESS SHOWN OTHERWISE):
 - CEMENT SHALL BE TYPE 'A' NORMAL PORTLAND CEMENT.
 - MAXIMUM SIZE OF COARSE AGGREGATE SHALL BE 20 mm.
 - CONCRETE SHALL HAVE THE FOLLOWING SLUMP DURING PLACING:

- BEAMS, SLABS AND FOOTINGS	80 mm.
- COLUMNS AND WALLS	80 mm.

ADMIXTURES SHALL NOT BE USED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.

ELEMENT	ROAD
CONCRETE STRENGTH	N32
SPECIAL REQUIREMENTS	NIL

STRENGTH SHALL BE VERIFIED BY PROJECT
CONTROL TESTING.

3. CLEAR CONCRETE COVER TO REINFORCEMENT INCLUDING TIES AND STIRRUPS, UNLESS SHOWN OTHERWISE, SHALL BE:

ELEMENT	SLABS
FORMED & SHELTERED	30mm
FORMED & EXPOSED	40mm
NO FORMWORK	40mm

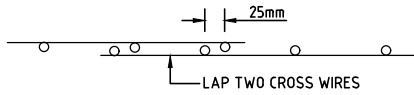
COVER TO REINFORCEMENT SHALL BE OBTAINED BY THE USE OF PLASTIC BAR CHAIRS. ALL CHAIRS SHALL BE SPACED AT MAXIMUM 800mm CENTRES EACH WAY.

4. REINFORCEMENT SYMBOLS:
- "S" :GRADE 230S HOT ROLLED DEFORMED BAR TO AS.1302
- "Y" :GRADE 410Y HOT ROLLED DEFORMED BAR TO AS.1302
- "R" :GRADE 230R HOT ROLLED PLAIN BAR TO AS.1303
- "W" :HARD DRAWN PLAIN WIRE TO AS.1303

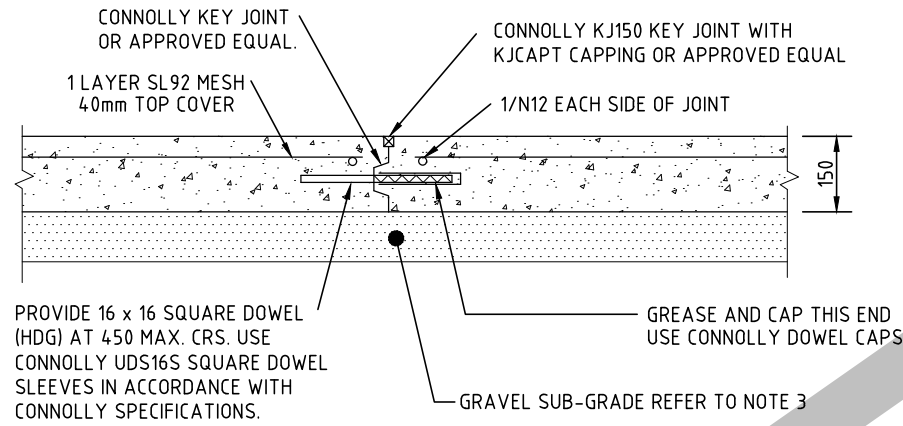
5. REINFORCEMENT IS REPRESENTED
DIAGRAMMATICALLY AND IS NOT NECESSARILY
SHOWN IN TRUE PROJECTION.

6. WELDING OF THE REINFORCEMENT WILL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.

7. FABRIC LAP DETAIL:



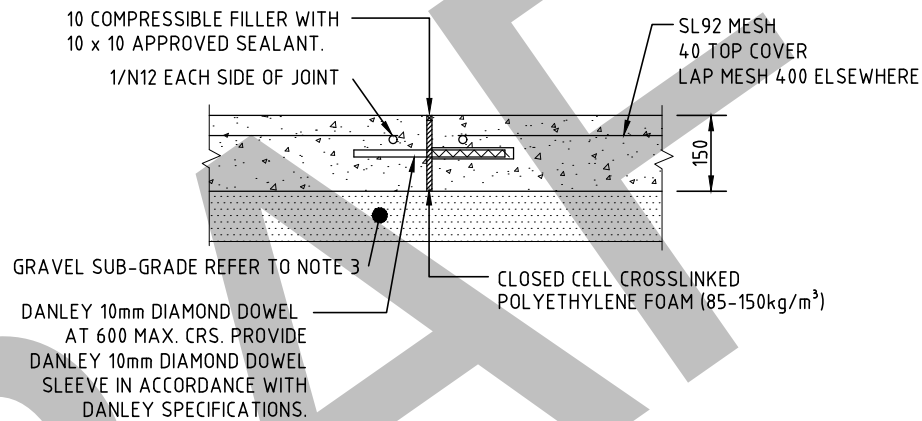
8. ALL TOPSOIL AND UPPER STRATA CONTAINING ORGANIC MATTER SHALL BE REMOVED AND REPLACED BY APPROVED FILLING MATERIAL COMPACTED IN LAYERS NOT GREATER THAN 150mm TO MINIMUM 95% STANDARD COMPACTION.
9. CONCRETE SIZES SHOWN ARE MINIMUM AND NO REDUCTIONS BY DUCTS, PIPES, ETC., SHALL BE MADE WITHOUT THE APPROVAL OF THE SUPERVISING OFFICER. SIZES DO NOT INCLUDE THICKNESS OF APPLIED FINISHES.
10. TRIM ALL PENETRATION WITH 2/Y12 BARS EACH SIDE AND DISPLACE REINFORCEMENT EITHER SIDE. U.N.O.
11. PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE CONCRETE COVER TO REINFORCEMENT WITHOUT THE APPROVAL OF THE ENGINEER.
12. ALL CONCRETE SHALL BE COMPACTED USING HIGH FREQUENCY VIBRATORS.
13. CURINGS OF ALL CONCRETE SURFACES SHALL COMMENCE IMMEDIATELY AFTER SURFACES ARE FINISHED AS SPECIFIED AND SHALL CONTINUE FOR A MINIMUM OF 7 DAYS.
14. SLABS WITH SPECIFIED ROUGH FINISH ARE TO BE KEPT FREE OF BLEED WATER AND FLOATED TO PREVENT THE FORMATION OF PLASTIC SHRINKAGE CRACKS.
15. AN ALIPHATIC ALCOHOL EVAPORATION RETARDANT SHALL BE USED ON ALL SLABS IMMEDIATELY AFTER FIRST SCREED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS. AN ALIPHATIC ALCOHOL SHALL BE USED TO AID THE FINISHING OF THE CONCRETE SURFACE, WATER SHALL NOT BE USED.



DOWEL KEY JOINT (D.K.J.)

SPACING 8.0m
SCALE 1:20

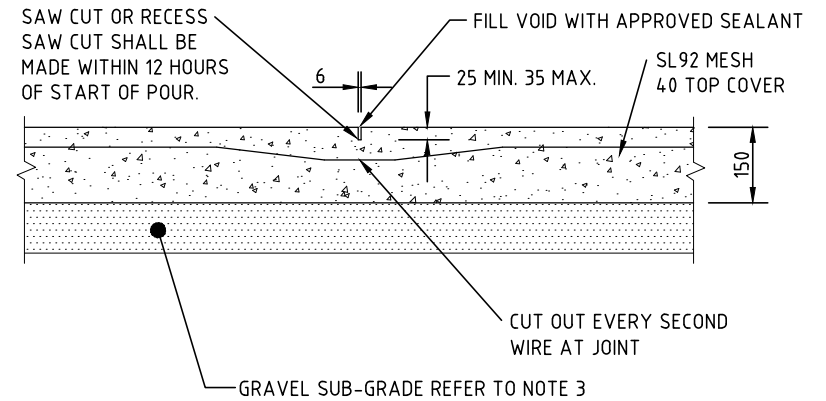
- CONNOLLY SQUARE DOWEL TO BE PLACED IN ACCORDANCE WITH CONNOLLY SPECIFICATIONS, TYPICAL.



EXPANSION DOWEL JOINT (E.D.J.)

SPACING 24m
SCALE 1:20

- DANLEY DIAMOND DOWEL TO BE PLACED IN ACCORDANCE WITH DANLEY SPECIFICATIONS, TYPICAL.
- PROVIDE 24 HOUR MINIMUM BETWEEN ADJACENT POUR BREAKS, TYPICAL.



SAWN JOINT (S.J.)

SPACING 4.0m
SCALE 1:20

JOINT SEALANTS
ALL SLAB SEALANTS SHALL BE SIKAFLEX PRO 2HP POLYURETHANE
JOINT SEALANT OR APPROVED EQUIVALENT.
SEALANT MUST BE APPLIED STRICTLY TO MANUFACTURER'S
SPECIFICATIONS WITH REGARD TO JOINT CONFIGURATION,
SURFACE PREPARATION, PRIMING, DEBONDING, APPLICATION
AND CLEANING.

				SURVEY DATA		ACE CIVIL CONSTRUCTIONS		CONCRETE NOTES & DETAILS				PO Box 554 Beaudesert QLD 4285 (07) 5541 3500 www.acsengineers.com.au		ACS Engineers CIVIL ENVIRONMENTAL PROJECT MANAGEMENT		
				DATUM		WOODHILL, QLD 4285										
				MAP GRID												
				HEIGHT ORIGIN												
				SURVEY BOOKS												
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						6202 MOUNT LINDESAY HIGHWAY, VERESDALE QLD 4285										
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LEGEND:

-  PROPOSED BUILDING
-  DESIGN LINEMARKING
-  DESIGN STORMWATER DEVICES
-  EXISTING SEALED AREA
-  BIO-DETENTION GARDEN BED
-  CONCRETE
-  GRAVEL ROADBASE WITH DECO



				SURVEY DATA		ACE CIVIL CONSTRUCTIONS		STORMWATER MANAGEMENT PLAN				PO Box 554 Beaudesert QLD 4285		ACS Engineers CIVIL ENVIRONMENTAL PROJECT MANAGEMENT		
				DATUM		WOODHILL, QLD 4285										
				MAP GRID												
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								#	FIELD	NAME	SIGNATURE	DATE	ACS-250126-GEN-06		1	
1	PRELIMARY		MLS	10/12/25		6202 MOUNT LINDESAY HIGHWAY, VERESDALE QLD 4285										
REVISION/DETAILS				DWN	DATE	DES	DATE									
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The image contains two technical drawings of bio-retention systems.

BIO-RETENTION GARDEN TYPICAL DETAIL
 NTS
 This cross-section drawing shows a garden bed adjacent to a "CARPARK/HARDSTAND". The garden bed has a width of 1.0m. It features a 150mm layer of vegetation and a 50mm layer of filter material. Below the filter is a layer of "100mm PERFORATED DRAINAGE PIPES AT 350mm CTRS". The total depth of the garden bed is 700mm. A "REFER TO SUITABLE BIORETENTION PLANT SPECIES LIST" points to the vegetation, and a "REFER TO BIO-RETENTION DETAIL BELOW FOR FILTER REQUIREMENTS" points to the filter layer. The "RP_BDY" (Right of Way Boundary) is indicated on the right side.

BIO-RETENTION RUBBLE STRIP
 SCALE 1:50
 This cross-section drawing shows a "RUBBLE STRIP" adjacent to a "CARPARK/HARDSTAND". The strip has a width of 200mm and a depth of 650mm. It contains "100mm PERFORATED DRAINAGE PIPES". The total depth of the strip is 700mm. The "RP_BDY" is indicated on the right side.



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1. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MUST BE IMPLEMENTED AND A REVISED EROSION AND SEDIMENT CONTROL PLAN (ESCP) MUST BE SUBMITTED FOR APPROVAL IN THE EVENT THAT SITE CONDITIONS CHANGE SIGNIFICANTLY FROM THOSE CONSIDERED WITHIN THE CURRENT ESCP.
2. WHERE THERE IS A HIGH PROBABILITY THAT SERIOUS OR MATERIAL ENVIRONMENTAL HARM MAY OCCUR AS A RESULT OF CURRENT SEDIMENT LEAVING THE SITE, APPROPRIATE ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MUST BE IMPLEMENTED SUCH THAT ALL REASONABLE AND PRACTICABLE MEASURES ARE BEING TAKEN TO PREVENT OR MINIMISE SUCH HARM. ONLY THOSE WORKS NECESSARY TO MINIMISE OR PREVENT ENVIRONMENTAL HARM SHALL BE CONDUCTED ON-SITE PRIOR TO APPROVAL OF THE AMENDED EROSION AND SEDIMENT CONTROL PLAN (ESCP).
3. IN CIRCUMSTANCES WHERE IT IS CONSIDERED NECESSARY TO PREPARE AN AMENDED EROSION AND SEDIMENT CONTROL PLAN (ESCP), AND WHERE THE DELIVERY OF SUCH AN AMENDED ESCP IS NOT IMMINENT, THEN ALL NECESSARY NEW OR MODIFIED EROSION AND SEDIMENT CONTROL WORKS MUST BE IN ACCORDANCE TO WITH IECA (2008) BEST PRACTICE EROSION & SEDIMENT CONTROL. UPON APPROVAL OF THE AMENDED ESCP ALL WORKS MUST BE IMPLEMENTED IN ACCORDANCE WITH THE AMENDED PLAN.

1. PRIOR TO THE COMMENCEMENT OF SITE WORKS, THE LOCATION OF THE SITE ACCESS POINT MUST BE VERIFIED WITH RELEVANT LOCAL AUTHORITY.
2. SITE ACCESS IS RESTRICTED TO ONE LOCATION.
3. SITE EXIT POINT MUST BE APPROPRIATELY MANAGED TO MINIMISE THE RISK OF SEDIMENT BEING TRACKED ONTO SEALED PUBLIC ROADWAYS.
4. STORMWATER RUNOFF FROM ACCESS ROADS AND STABILISED ENTRY/EXIT POINTS MUST DRAIN TO AN APPROPRIATE SEDIMENT CONTROL DEVICE.

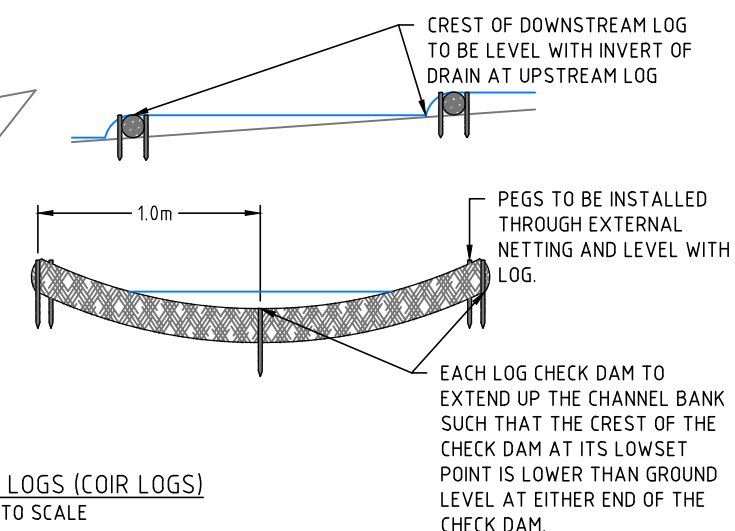
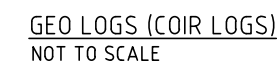
1. LAND CLEARING MUST BE DELAYED AS LONG AS PRACTICABLE AND MUST BE UNDERTAKEN IN CONJUNCTION WITH DEVELOPMENT, UNLESS OTHERWISE APPROVED BY THE SUPERINTENDENT.
2. ALL REASONABLE AND PRACTICABLE EFFORTS MUST BE TAKEN TO DELAY THE REMOVAL OF, OR DISTURBANCE TO, EXISTING GROUND COVER (ORGANIC OR INORGANIC) PRIOR TO LAND-DISTURBING ACTIVITIES.
3. BULK TREE CLEARING MUST OCCUR IN A MANNER THAT MINIMISES DISTURBANCE TO EXISTING GROUND COVER (ORGANIC OR INORGANIC).
4. BULK TREE CLEARING AND GRUBBING OF THE SITE MUST BE IMMEDIATELY FOLLOWED BY SPECIFIED TEMPORARY STABILISATION MEASURES (E.G. TEMPORARY GRASSING, OR MULCHING) PRIOR TO COMMENCEMENT OF EACH STAGE OF CONSTRUCTION WORKS.
5. DISTURBANCE TO NATURAL WATERCOURSES (INCLUDING BED AND BANKS) AND THEIR ASSOCIATED RIPARIAN ZONES MUST BE LIMITED TO THE MINIMUM PRACTICABLE.
6. NO LAND CLEARING SHALL BE UNDERTAKEN UNLESS PRECEDED BY THE INSTALLATION OF ADEQUATE DRAINAGE AND SEDIMENT CONTROL MEASURES, UNLESS SUCH CLEARING IS REQUIRED FOR THE PURPOSE OF INSTALLING SUCH MEASURES, IN WHICH CASE, ONLY THE MINIMUM CLEARING REQUIRED TO INSTALL SUCH MEASURES SHALL OCCUR.
7. LAND CLEARING MUST BE LIMITED TO 5m FROM THE EDGE OF PROPOSED CONSTRUCTED WORKS, 2m OF ESSENTIAL CONSTRUCTION TRAFFIC ROUTES, AND A TOTAL OF 10m WIDTH FOR CONSTRUCTION ACCESS, UNLESS OTHERWISE APPROVED BY THE SUPERINTENDENT.
8. PRIOR TO LAND CLEARING, AREAS OF PROTECTED VEGETATION, AND SIGNIFICANT AREAS OF RETAINED VEGETATION MUST BE CLEARLY IDENTIFIED (E.G. WITH HIGH-VISIBILITY TAPE, OR LIGHT FENCING) FOR THE PURPOSES OF MINIMISING THE RISK OF UNNECESSARY LAND CLEARING.
9. ALL REASONABLE AND PRACTICABLE MEASURES MUST BE TAKEN TO MINIMISE THE REMOVAL OF, OR DISTURBANCE TO, THOSE TREES, SHRUBS AND GROUND COVERS (ORGANIC OR INORGANIC) THAT ARE INTENDED TO BE RETAINED.
10. ALL LAND CLEARING MUST BE IN ACCORDANCE WITH THE FEDERAL, STATE AND LOCAL GOVERNMENT VEGETATION PROTECTION/PRESERVATION REQUIREMENTS AND/OR POLICIES.
11. LAND CLEARING IS LIMITED TO THE MINIMUM PRACTICABLE DURING THOSE PERIODS WHEN SOIL EROSION DUE TO WIND, RAIN OR SURFACE WATER IS POSSIBLE.
12. LAND CLEARING MUST NOT EXTEND BEYOND THAT NECESSARY TO PROVIDE UP TO EIGHT (8) WEEKS OF SITE ACTIVITY DURING THOSE MONTHS WHEN THE ACTUAL OR AVERAGE RAINFALL IS LESS THAN 45mm, SIX (6) IF BETWEEN 45 AND 100mm, FOUR (4) WEEKS IF BETWEEN 100 AND 225mm, AND TWO (2) WEEKS IF GREATER THAN 225mm.

1. ALL REASONABLE AND PRACTICABLE MEASURES MUST BE TAKEN TO OBTAIN THE MAXIMUM BENEFIT FROM EXISTING TOPSOIL, INCLUDING:
 - (i) WHERE THE PROPOSED AREA OF SOIL DISTURBANCE DOES NOT EXCEED 2500m², AND THE TOPSOIL DOES NOT CONTAIN UNDESIRABLE WEED SEED, THE TOP 100mm OF SOIL LOCATED WITHIN AREAS OF PROPOSED SOIL DISTURBANCE (INCLUDING STOCKPILE AREAS) MUST BE STRIPPED AND STOCKPILED SEPARATELY FROM THE REMAINING SOIL.
 - (ii) WHERE THE PROPOSED AREA OF SOIL DISTURBANCE EXCEEDS 2500m², AND THE TOPSOIL DOES NOT CONTAIN UNDESIRABLE WEED SEED, THE TOP 50mm OF SOIL MUST BE STRIPPED AND STOCKPILED SEPARATELY FROM THE REMAINING TOPSOIL, AND SPREAD AS A FINAL SURFACE SOIL.
 - (iii) IN AREAS WHERE THE TOPSOIL CONTAINS UNDESIRABLE WEED SEED, THE AFFECTED SOIL MUST BE SUITABLY BURIED OR REMOVED FROM THE SITE.
2. STOCKPILES OF ERODIBLE MATERIAL THAT HAS THE POTENTIAL TO CAUSE ENVIRONMENTAL HARM IF DISPLACED MUST BE:
 - (i) APPROPRIATELY PROTECTED FROM WIND, RAIN, CONCENTRATED SURFACE FLOW AND EXCESSIVE UP-SLOPE STORMWATER SURFACE FLOWS.
 - (ii) LOCATED AT LEAST 2m FROM ANY HAZARDOUS AREA, RETAINED VEGETATION OR CONCENTRATED DRAINAGE LINE.
 - (iii) LOCATED UP-SLOPE OF AN APPROPRIATE SEDIMENT CONTROL SYSTEM.
 - (iv) PROVIDED WITH AN APPROPRIATE PROTECTIVE COVER (SYNTHETIC, MULCH OR VEGETATIVE) IF THE MATERIALS ARE LIKELY TO BE STOCKPILED FOR MORE THAN 28 DAYS.
 - (v) PROVIDED WITH AN APPROPRIATE PROTECTIVE COVER (SYNTHETIC, MULCH OR VEGETATIVE) IF THE MATERIALS ARE LIKELY TO BE STOCKPILED FOR MORE THAN 10 DAYS DURING THOSE MONTHS THAT HAVE A HIGH EROSION RISK.
 - (vi) PROVIDED WITH AN APPROPRIATE PROTECTIVE COVER (SYNTHETIC, MULCH OR VEGETATIVE) IF THE MATERIALS ARE LIKELY TO BE STOCKPILED FOR MORE THAN 5 DAYS DURING THOSE MONTHS THAT HAVE A EXTREME EROSION RISK.
3. A SUITABLE FLOW DIVERSION SYSTEM MUST BE ESTABLISHED IMMEDIATELY UP-SLOPE OF A STOCKPILE OF ERODIBLE MATERIAL THAT HAS THE POTENTIAL TO CAUSE ENVIRONMENTAL HARM IF DISPLACED IF THE UP-SLOPE CATCHMENT AREA DRAINING TO THE STOCKPILE EXCEEDS 1500m².

1. ALL OFFICE FACILITIES AND OPERATIONAL ACTIVITIES MUST BE LOCATED SUCH THAT ANY LIQUID EFFLUENT (E.G. PROCESS WATER, WASH-DOWN WATER, EFFLUENT FROM EQUIPMENT CLEANING, OR PLANT WATERING), CAN BE TOTALLY CONTAINED AND TREATED WITHIN THE SITE.
2. THE CONSTRUCTION SCHEDULE MUST AIM TO MINIMISE THE DURATION THAT ANY AND ALL AREAS OF SOIL ARE EXPOSED TO THE EROSION EFFECTS OF WIND, RAIN AND SURFACE WATER.
3. LAND-DISTURBING ACTIVITIES MUST BE UNDERTAKEN IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN (ESCP) AND ASSOCIATED DEVELOPMENT CONDITIONS.
4. LAND-DISTURBING ACTIVITIES MUST BE UNDERTAKEN IN SUCH A MANNER THAT ALLOWS ALL REASONABLE AND PRACTICABLE MEASURES TO BE UNDERTAKEN TO:
 - (i) ALLOW STORMWATER TO PASS THROUGH THE SITE IN A CONTROLLED MANNER AND AT NON-EROSIVE FLOW VELOCITIES UP TO THE SPECIFIED DESIGN STORM DISCHARGE;
 - (ii) MINIMISE SOIL EROSION RESULTING FROM RAIN, WATER FLOW AND/OR WIND;
 - (iii) MINIMISE ADVERSE EFFECTS OF SEDIMENT RUNOFF, INCLUDING SAFETY ISSUES;
 - (iv) PREVENT OR AT LEAST MINIMISE, ENVIRONMENTAL HARM RESULTING FROM WORK-RELATED SOIL EROSION AND SEDIMENT RUNOFF;
 - (v) ENSURE THAT THE VALUE AND USE OF LAND/PROPERTIES ADJACENT TO THE DEVELOPMENT (INCLUDING ROADS) ARE NOT DIMINISHED AS A RESULT OF THE ADOPTED ESC MEASURES.
5. ALL EROSION AND SEDIMENT CONTROL MEASURES MUST CONFORM TO THE STANDARDS AND SPECIFICATIONS CONTAINED IN:
 - (i) THE DEVELOPMENT APPROVAL CONDITION ISSUED BY RELEVANT LOCAL AUTHORITY; AND/OR
 - (ii) THE APPROVED ESCP AND SUPPORTING DOCUMENTATION; OR
 - (iii) THE LATEST VERSION OF IECA (2008) BEST PRACTICE EROSION & SEDIMENT CONTROL IF THE STANDARDS AND SPECIFICATIONS ARE NOT CONTAINED IN THE APPROVED ESCP.
6. ANY WORKS THAT MAY CAUSE SIGNIFICANT SOIL DISTURBANCE AND ARE ANCILLARY TO ANY ACTIVITY FOR WHICH REGULATORY BODY APPROVAL IS REQUIRED, MUST NOT COMMENCE BEFORE THE ISSUE OF THAT APPROVAL.
7. ADDITIONAL AND/OR ALTERNATIVE ESC MEASURES MUST BE IMPLEMENTED IN THE EVENT THAT THE RELEVANT AUTHORITY IDENTIFIES THAT UNACCEPTABLE OFF-SITE SEDIMENTATION IS OCCURRING AS A RESULT OF THE WORK ACTIVITIES.
8. LAND-DISTURBING ACTIVITIES MUST NOT CAUSE UNNECESSARY SOIL DISTURBANCE IF AN ALTERNATIVE CONSTRUCTION PROCESS IS AVAILABLE THAT ACHIEVES THE SAME OR EQUIVALENT OUTCOMES AT AN EQUIVALENT COST.
9. SEDIMENT (INCLUDING CLAY, SILT, SAND, GRAVEL, SOIL, MUD, CEMENT AND CERAMIC WASTE) DEPOSITED OFF THE SITE AS A DIRECT RESULT OF AN ON-SITE ACTIVITY, MUST BE COLLECTED AND THE AREA APPROPRIATELY CLEANED/REHABILITATED AS SOON AS REASONABLE AND PRACTICABLE, AND IN A MANNER THAT GIVES APPROPRIATE CONSIDERATION TO THE SAFETY AND ENVIRONMENTAL RISKS ASSOCIATED WITH THE SEDIMENT DEPOSITION.
10. ALL WASTE INCLUDING PETROLEUM AND OIL-BASED PRODUCTS, MUST BE PREVENTED FROM ENTERING AN INTERNAL WATER BODY, OR AN EXTERNAL DRAIN, STORMWATER SYSTEM, OR WATER BODY.
11. ALL FLAMMABLE AND COMBUSTIBLE LIQUIDS, INCLUDING ALL LIQUID CHEMICALS IF SUCH CHEMICALS COULD POTENTIALLY BE WASHED OR DISCHARGED FROM THE SITE, ARE STORED AND HANDLED ON-SITE IN ACCORDANCE WITH RELEVANT STANDARDS SUCH AS AS1940 THE STORAGE AND HANDLING OF FLAMMABLE AND COMBUSTIBLE LIQUIDS.
12. NO MORE THAN 150m OF A STORMWATER, SEWER LINE OR OTHER SERVICE TRENCH MUST TO BE OPEN AT ANY ONE TIME.
13. SITE SPOIL MUST BE LAWFULLY DISPOSED OF IN A MANNER THAT DOES NOT RESULT IN ONGOING SOIL EROSION OR ENVIRONMENTAL HARM.
14. ALL FILL MATERIAL PLACED ON SITE MUST COMPRISE ONLY NATURAL EARTH AND ROCK, AND IS TO BE FREE OF CONTAMINANTS, BE FREE DRAINING, AND BE COMPACTED IN LAYERS NOT EXCEEDING 300mm TO 90% MODIFIED MAXIMUM DRY DENSITY IN ACCORDANCE WITH AS1289.

1. ALL DRAINAGE CONTROL MEASURES MUST BE APPLIED AND MAINTAINED IN ACCORDANCE WITH THE CONSTRUCTION PLANS.
2. WHEREVER REASONABLE AND PRACTICABLE, STORMWATER RUNOFF ENTERING THE SITE FROM EXTERNAL AREAS, AND NON-SEDIMENT LADEN (CLEAN) STORMWATER RUNOFF ENTERING A WORK AREA OR AREA OF SOIL DISTURBANCE, MUST BE DIVERTED AROUND OR THROUGH THAT AREA IN A MANNER THAT MINIMISES SOIL EROSION AND THE CONTAMINATION OF THAT WATER FOR ALL DISCHARGES UP TO THE SPECIFIED DESIGN STORM DISCHARGE.
3. DURING THE CONSTRUCTION PERIOD, ALL REASONABLE AND PRACTICABLE MEASURES MUST BE IMPLEMENTED TO CONTROL FLOW VELOCITIES IN SUCH A MANNER THAN PREVENTS SOIL EROSION ALONG DRAINAGE PATHS AND AT THE ENTRANCE AND EXIT OF ALL DRAINS AND DRAINAGE PIPES DURING ALL STORMS UP TO THE RELEVANT DESIGN STORM DISCHARGE.
4. TO THE MAXIMUM DEGREE REASONABLE AND PRACTICABLE, ALL WATERS DISCHARGED DURING THE CONSTRUCTION PHASE MUST DISCHARGE ONTO STABLE LAND, IN A NON-EROSIVE MANNER, AND AT A LEGAL POINT OF DISCHARGE.
5. WHEREVER REASONABLE AND PRACTICABLE, "CLEAN" SURFACE WATERS MUST BE DIVERTED AWAY FROM SEDIMENT CONTROL DEVICES AND ANY UNTREATED, SEDIMENT-LADEN WATERS.
6. DURING THE CONSTRUCTION PERIOD, ROOF WATER MUST BE MANAGED IN A MANNER THAT MINIMISES SOIL EROSION THROUGHOUT THE SITE, AND SITE WETNESS WITHIN ACTIVE WORK AREAS.
7. DRAINS ARE TO BE SIZED AND CONSTRUCTED TO ALLOW WATER TO DRAIN. THIS MAY INCLUDE CUTTING INTO THE EARTH TO OBTAIN THE REQUIRED FALL TO PERMIT DRAINAGE. DIMENSIONS GIVEN ARE A MINIMUM.

					SURVEY DATA		ACE CIVIL CONSTRUCTIONS			ESC NOTES - PAGE 1 OF 2				PO Box 554 Beaudesert QLD 4285		ACS Engineers CIVIL ENVIRONMENTAL PROJECT MANAGEMENT		
					DATUM		WOODHILL, QLD 4285											
					MAP GRID													
					HEIGHT ORIGIN		THE WALTON HOTEL - CARPARK DESIGN			ENGINEERING CERTIFICATION (RPEQ)				DRAWING NUMBER		REVISION		
					SURVEY BOOKS					#	FIELD	NAME		SIGNATURE		DATE		
1	PRELIMARY			MLS	10/12/25		6202 MOUNT LINDESAY HIGHWAY, VERESDALE QLD 4285								ACS-250126-GEN-08		1	
REVISION/DETAILS				DWN	DATE		DES		DATE									
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	LANDSCAPED EARTH BUND
	SEDIMENT FENCE
	FLOW ARROW
	LEVEL SPREADER
	COIR LOGS



				SURVEY DATA		ACE CIVIL CONSTRUCTIONS		ESC LAYOUT PLAN				P0 Box 554 Beaudesert QLD 4285		ACS Engineers CIVIL ENVIRONMENTAL PROJECT MANAGEMENT					
				DATUM		WOODHILL, QLD 4285													
				MAP GRID															
				HEIGHT ORIGIN															
				SURVEY BOOKS		THE WALTON HOTEL - CARPARK DESIGN		ENGINEERING CERTIFICATION (RPEQ)				DRAWING NUMBER		REVISION					
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1	PRELIMARY		MLS	10/12/25			6202 MOUNT LINDESAY HIGHWAY, VERESDALE QLD 4285												
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