DRAWING LIST:

DRAWING NO. C012042.00-(C012042.00-C 200 C 100 DRAWING TITLE
DRAWING LIST **EROSION & SEDIMENT CONTROL PLAN AND DETAILS** ∞ GENERAL NOTES

C012042.00-C 400 C012042.00-C 410 C012042.00-C 440 C012042.00-C 441 C012042.00-C 450 CHANNEL REALIGNMENT PLAN
CHANNEL CROSS SECTIONS - SHEET 1
CHANNEL CROSS SECTIONS - SHEET 2
CHANNEL DETAILS

GENERAL NOTES:

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- 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. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK
- <u>G</u>2 ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT STANDARDS AUSTRALIA CODES AND WITH THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES EXCEPT WHERE VARIED BY THE PROJECT SPECIFICATION.
- Ω ALL DIMENSIONS SHOWN SHALL BE VERIFIED BY THE BUILDER ON SITE. ENGINEER'S DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS. ENGINEER'S DRAWINGS ISSUED IN ANY ELECTRONIC FORMAT MUST NOT BE USED FOR DIMENSIONAL SETOUT. REFER TO THE ARCHITECT'S DRAWINGS FOR ALL DIMENSIONAL SETOUT INFORMATION.
- **G**4 DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED. TEMPORARY BRACING SHALL BE PROVIDED BY THE BUILDER TO KEEP THE WORKS AND EXCAVATIONS STABLE AT ALL TIMES.
- 95 UNLESS NOTED OTHERWISE ALL LEVELS ARE IN METRES AND ALL DIMENSIONS MILLIMETRES.
- ALL WORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH ACCEPTABLE SAFETY STANDARDS & APPROPRIATE SAFETY SIGNS SHALL BE INSTALLED AT ALL TIMES THE PROGRESS OF THE JOB. DURING
- **G7** WORKS ARE TO IMMEDIATELY HALT IN AREAS WHERE ABORIGINAL OBJECTS OR ARCHAEOLOGICAL RELICS ARE FOUND, AND RELATIVE AUTHORITIES CONSULTED
- 85 TREE FELLING AND RELOCATION OF FAUNA TO BE IN ACCORDANCE WITH THE BIO REPORT DIVERSITY
- G9 PROVIDE SECURITY/CONSTRUCTION FENCING TO ALL CONSTRUCTION WORKS

ELECTRONIC INFORMATION NOTES:

- THE ISSUED DRAWINGS IN HARD COPY OR PDF FORMAT TAKE PRECEDENCE OVER ANY ELECTRONICALLY ISSUED INFORMATION, LAYOUTS OR DESIGN MODELS.
- THE CONTRACTOR'S DIRECT AMENDMENT OR MANIPULATION OF THE DATA OR INFORMATION THAT MIGHT BE CONTAINED WITHIN AN ENGINEER-SUPPLIED DIGITAL TERRAIN MODEL AND ITS SUBSEQUENT USE TO UNDERTAKE THE WORKS WILL BE SOLELY AT THE DISCRETION OF AND THE RISK OF THE CONTRACTOR.
- THE CONTRACTOR IS REQUIRED TO HIGHLIGHT ANY DISCREPANCIES BETWEEN THE DIGITAL TERRAIN MODEL AND INFORMATION PROVIDED IN THE CONTRACT AND/OR DRAWINGS AND IS REQUIRED TO SEEK CLARIFICATION FROM THE SUPERINTENDENT.
- THE ENGINEER WILL NOT BE LIABLE OR RESPONSIBLE FOR THE POSSIBLE ON-GOING NEED TO UPDATE THE DIGITAL TERRAIN MODEL, SHOULD THERE BE ANY AMENDMENTS OR CHANGES TO THE DRAWINGS OR CONTRACT INITIATED BY THE CONTRACTOR.

SITE PREI PARATION NOTES:

- HWORKS SHALL BE COMPLETED GENERALLY IN ACCORDANCE GUIDELINES SPECIFIED BY THE GEOTECHNICAL REPORT '25265AA-AB PROVIDED BY COFFEY GEOTECHNICS DATED
- GEOTLCOV 24.12.14 EXISTING TITLED PL 2015 STRII BATTER T COMPLETE AS INDICA ING LEVELS ARE BASED ON INFORMATION PROVIDED BY BOXALL
 D PLAN OF SITE DETAIL AND LEVELS-10116-003 DATED 13 NOVEMBER
 STRIP ANY TOP SOIL OR DELETERIOUS MATERIAL AND BLEND INTO
 ER TOPSOIL MATERIAL OR STORE AS DIRECTED.
 LETE CUT TO FILL EARTHWORKS TO ACHIEVE THE REQUIRED LEVELS
 DICATED ON THE DRAWINGS WITHIN A TOLERANCE OF +0mm/-10mm
 UGH BUILDING PADS/PAVEMENTS AND +0mm/-20mm ELSEWHERE.
 000mm ROCK BELOW BULK EARTHWORKS LEVEL (BEL) IN AREAS OF
 O BE RIPPED AND RECOMPACTED IN ACCORDANCE WITH
 ECHNICAL ADVICE AS 'SITE WON FILL'.
 EAS OF FILL, THE TOP 500mm IS TO COMPRISE OF SELECT CRUSHED
 SITE WON FROM AREAS OF CUT IN ROCK.
 STO RECEIVE FILL (THAT ARE NOT ON BENCHED BATTERS) AND
 S TO RECEIVE FILL (THAT ARE NOT ON BENCHED BATTERS) AND
 S IN CUT SHALL BE PROOF ROLLED TO IDENTIFY ANY SOFT HEAVING
 RIAL. SOFT MATERIAL SHALL BE BOXED OUT AND REMOVED PRIOR
 I DIAGRMENT

 - CUT TO BE
 GEOTECHNIC
 IN AREAS O
 ROCK, SITE

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- TO FACILIT.
 AREAS TO
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 AREAS IN C
 MATERIAL.
 TO FILL PL,
 SITE WON F
 COMPACTEI
- CONTENT. L TO BE PLACED IN MAXIMUM 300mm LOOSE LAYERS AND TO 100% STANDARD AND WITHIN 2% OF OPTIMUM MOISTURE
- 9. CONTENT.
 MAXIMUM To SHALL BE PLACED IN MAXIMUM 300mm LOOSE LAYERS AND 100% STANDARD AND WITHIN 2% OF OPTIMUM MOISTURE
- 10. PARTICLE SIZE TO BE THE SMALLER OF 150mm OR HALF THE AYER THICKNESS
- 12. **≓** (LOOSE) L.
 AFTER CO
 ALL EART
 ACCORDAN
 PRIOR TO HWORKS SHALL BE COMPLETED UNDER LEVEL 1 CONTROL IN NCE WITH AS 3798-2007.
 ANY EARTHWORKS, EROSION CONTROL AS OUTLINED IN THE AND SEDIMENTATION CONTROL PLAN SHALL BE COMPLETED.
 ROCK, IF ANY, SHALL BE REMOVED BY HEAVY ROCK BREAKING
- <u>;</u> EXISTING
- OR RIPPIN
 MATCH EX
 CONTRACT
 EARTHWO
 NO RETAIN AND EXIST OR ADJUS HEXISTING LEVELS AT BATTER INTERFACE.
 RACTOR TO MATCH EXISTING LEVELS AT THE INTERFACE OF HWORKS AND EXISTING SURFACE AT BATTER LOCATIONS OR WHERE TAINING WALLS ARE PRESENT. ANY DISCREPANCY BETWEEN DESIGN XISTING LEVELS TO BE REFERRED TO THE ENGINEER FOR DIRECTION JUSTMENTS TO DESIGN LEVELS.

DUST CO NTROL NOTES:

- IT IS THE CONTROL WITH COU
- THE APPL MUST BE S SUCH MEA HAZARD. LICATION OF LIQUID BASED DUST SUPPRESSION MEASURES SUCH THAT SEDIMENT LADEN RUNOFF RESULTING FROM ASURES DOES NOT CREATE A TRAFFIC OR ENVIRONMENTAL (EG USING HAY BALES)
- DUST GENERATION ASSOCIATED WITH WIND EROSION TO BE CONTROLLED USING WATER TRUCKS, DUST SUPPRESSING FOG, MIST GENERATORS, SEALANT PLACED OVER THE SOIL, SURFACE ROUGHENING OR RE-VEGETATION.
- LIMITING
 REPLACI
 PROGRA
 TEMPOR.
 GRAVELI
 MINIMISIN
 LIMITING
 RETAININ THE FOLLOWING ACTIVITIES SHALL BE ADOPTED, IF MANAGE DUST CONTROL ON SITE: ING THE AREA OF SOIL DISTURBANCE AT ANY GIVEN TIME ACING TOPSOIL AFTER COMPLETION OF EARTHWORKS. FRAMMING WORK TO MINIMISE THE LIFE OF STOCKPILES. ORARILY STABILISING LONG-TERM STOCKPILES. VELLING UNSEALED ACCESS AND HAUL ROADS. IISING TRAFFIC MOVEMENT ON EXPOSED SURFACES. ING VEHICULAR TRAFFIC TO 15km/h.
- FILL GAS CONDENSATE OR ANY CONTAMINATED BE USED FOR DUST SUPPRESSION.

EROSION CONTROL NOTES

CONTROL WORK INCLUDING DIVERSION BANKS AND CATCH DRAINS, V-DRAINS AND SILT ES SHALL BE COMPLETED DIRECTLY FOLLOWING THE COMPLETION OF THE EARTHWORKS.

- SILT FENCES AND SILT FENCE RETURNS SHALL BE ERECTED CONVEX TO THE CONTOUR TO POND WATER.

 HAY BALE BARRIERS AND GEOFABRIC FENCES ARE TO BE CONSTRUCTED TO TOE OF BATTER, PRIOR TO COMMENCEMENT OF EARTHWORKS, IMMEDIATELY AFTER CLEARING OF VEGETATION AND BEFORE REMOVAL OF TOP SOIL.

 ALL TEMPORARY EARTH BERMS, DIVERSION AND SILT DAM EMBANKMENTS ARE TO BE MACHINE COMPACTED, SEEDED AND MULCHED FOR TEMPORARY VEGETATION COVER AS SOON AS THEY HAVE BEEN FORMED.

 CLEAR WATER IS TO BE DIVERTED AWAY FROM DISTURBED GROUND AND INTO THE DRAINAGE SYSTEM
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND PROVIDING ON GOING ADJUSTMENT TO EROSION CONTROL MEASURES AS REQUIRED DURING CONSTRUCTION.

 ALL SEDIMENT TRAPPING STRUCTURES AND DEVICES ARE TO BE INSPECTED AFTER STORMS OR STRUCTURAL DAMAGE OR CLOGGING, TRAPPED MATERIAL IS TO BE REMOVED TO A SAFE, APPROVED LOCATION.

 ALL FINAL EROSION PREVENTION MEASURES INCLUDING THE ESTABLISHMENT OF GRASSING ARE TO BE MAINTAINED UNTIL THE END OF THE DEFECTS LIABILITY PERIOD.

 ALL EARTHWORKS AREAS SHALL BE ROLLED ON A REGULAR BASIS TO SEAL THE SARTHWORKS.
- 9 10.
- 12. 13 ALL FILL AREAS ARE TO BE LEFT WITH A BUND AT THE TOP OF THE SLOPE AT THE END OF EACH DAYS EARTHWORKS. THE HEIGHT OF THE BUND SHALL BE A MINIMUM OF 200MM.

 O. ALL CUT AND FILL SLOPES ARE TO BE SEEDED AND HYDROMULCHED WITHIN 10 DAYS OF COMPLETION OF FORMATION.

 1. AFTER REVEGETATION OF THE SITE IS COMPLETE AND THE SITE IS STABLE IN THE OPINION OF A SUITABLY QUALIFIED PERSON ALL TEMPORARY WORK SUCH AS SILT FENCE, DIVERSION DRAINS ETC SHALL BE REMOVED.

 2. ALL TOPSOIL STOCKPILES ARE TO BE SUITABLY COVERED TO THE SATISFACTION OF THE SITE MANAGER TO PREVENT WIND AND WATER EROSION.

 3. ANY AREA THAT IS NOT APPROVED BY THE CONTRACT ADMINISTRATOR FOR CLEARING OR DISTURBANCE BY THE CONTRACTOR'S ACTIVITIES SHALL BE CLEARLY MARKED AND SIGN POSTED, FENCED OFF OR OTHERWISE APPROPRIATELY PROTECTED AGAINST ANY SUCH DISTURBANCE
- DISTURBANCE.

 14. ALL STOCKPILE SITES SHALL BE SITUATED IN AREAS APPROVED FOR SUCH USE BY THE SITE MANAGER. A 6m BUFFER ZONE SHALL EXIST BETWEEN STOCKPILE SITES AND ANY STREAM OR FLOW PATH. ALL STOCKPILES SHALL BE ADEQUATELY PROTECTED FROM EROSION AND CONTAMINATION OF THE SURROUNDING AREA BY USE OF THE MEASURES APPROVED IN THE EROSION AND SEDIMENTATION CONTROL PLAN.

 15. ACCESS AND EXIT AREAS SHALL INCLUDE SHAKE-DOWN OR OTHER METHODS APPROVED IN THE SITE MANAGER FOR THE REMOVAL OF SOIL MATERIALS FORM MOTOR VEHICLES.

 16. THE CONTRACTOR IS TO ENSURE RUNOFF FROM ALL AREAS WHERE THE NATURAL SURFACE IS DISTURBED BY CONSTRUCTION, INCLUDING ACCESS ROADS, DEPOT AND STOCKPILE SITES, SHALL BE FREE OF POLLUTANTS BEFORE IT IS EITHER DISPERSED TO STABLE AREAS OR DIRECTED TO NATURAL WATERCOURSES.

 17. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SLOPES, CROWNS AND DRAINS ON ALL EXCAVATIONS AND EMBANKMENTS TO ENSURE SATISFACTORY DRAINAGE AT ALL TIMES WATER SHALL NOT BE ALLOWED TO POND ON THE WORKS UNLESS SUCH PONDING IS PART OF AN APPROVED ESCP / SWMP.

 18. ALL EROSION AND SEDIMENT CONTROL MEASURES TO BE IN ACCORDANCE WITH THE LATEST MANAGING URBAN STORMWATER SOILS AND CONSTRUCTION GUIDELINES.
 - 6. Ÿ
 - 17.

PLAN NOTES:

- LEVELS DATUM IS A.H.D.

 ALL CONTOUR LINES & SPOT LEVELS INDICATE FINISHED LEVELS U.N.O. THE MAJOR CONTOUR INTERVAL IS 0.5m

 THE MINOR CONTOUR INTERVAL IS 0.1m.

 MAXIMUM RAMP GRADES ARE TO BE 1:5 (20%) U.N.O. ON PLAN

 PROVIDE MINIMUM 3.0m LONG TRANSITION WHERE CHANGES GRADE EXCEDING MAXIMUM GRADE OF 1V:00.

 PERMANENT BATTER SLOPES ARE TO HAVE A MAXIMUM GRADE OF 1V:00.

 ALL BATTER SLOPE WITH GRADES AT OR EXCEDING 1V:6H ARE TO BE 10.00.

 APPROPRIATE EROSION CONTROL IS TO BE PROVIDED TO THE SATISFA 1:20 (5%).
- FED IMMEDIATELY OR ON OF THE ENGINEER.

EXISTING SITE LEVELS AND DETAILS BASED ON A PLAN OF SURVEY 10116-003 BY BOXALL SURVEYORS 13/10/15. COORDINATES BASED ON COORDINATES AS NOMINATED ON SURVEY DRAWING.





ISSUED FOR S96 APPLICATION
AMENDMENTS











