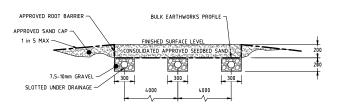
FLUSHING POINT 1.5m FROM GREEN EDGE APPROVED ROOT NON-SLOTTED COLLECTOR DRAIN

TEE SUBSOIL DRAINAGE LAYOUT

APPROVED PLAN Brisbane City Council 30/03/2022 APPROVED PLAN ONLY REFERS TO: Earthworks Stormwater Roadworks Traffic Functional Layout Traffic Signals Construction Management Plan WSUD Device(s) Signs and Linemarking Other:



TYPICAL UNDER DRAINAGE SECTION

SCALE 0.2 0 0.2 0.4 0.6 0.8 1.0 (metres) 1 : 20 (FULL SIZE)

INDOOROOPILLY GOLF CLUB

STAGE 1 WORKS

Plans/Documents RECEIVED 11/03/2022 APPLICATION REF A005911581

FOR

INDOOROOPILLY GOLF CLUB

A ISSUE FOR APPROVAL 25-12-25
VER. DESCRIPTION DATE

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PROJECT:

GOLF COURSE REDEVELOPMENT

DRAWING TITLE :

TYPICAL PUTTING GREEN DETAIL

DEVEL, APPLIC, No. :		DATE: 21-12-21
PROJECT LEADER:	DAVID WILLIAMS	
DESIGNER:	LIONEL LETCHER	
DRAFTSPERSON:	LIONEL LETCHER	
CHECKED:	DAVID WILLIAMS	
APPROVED FOR AND ON BEHALF OF		

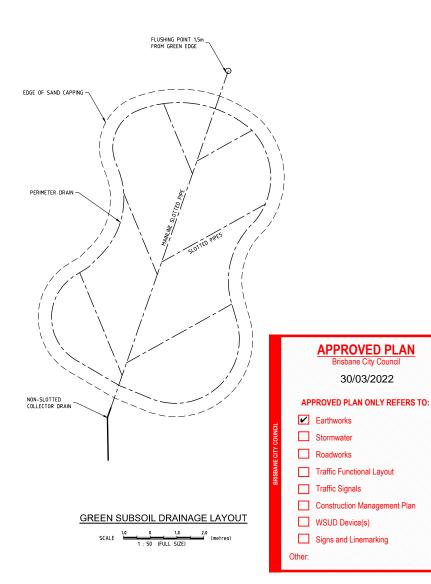
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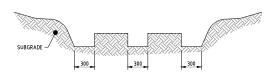
 SCALE: AS NOTED
 DATUM: AHD
 FULL SIZE: A1

 PROJECT No.:
 DRAWING No.:
 VERSION:

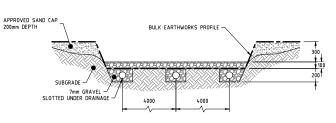
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 C101
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NOTE:
FOR SPECIFICATIONS REFER TO INDOOROOPILLY GOLF COURSE REDEVELOPMENT SPECIFICATIONS.

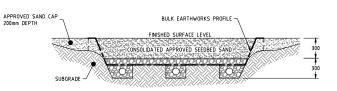




PHASE 1 GREEN BASIN AND DRAINAGE TRENCH



PHASE 2 DRAINAGE INSTALLATION



PHASE 3 FINISHED PROFILE

TYPICAL SECTION THROUGH GREENS

SCALE 0.2 0 0.2 0.4 0.6 0.8 1.0 (metres)

NOTE: FOR SPECIFICATIONS REFER TO INDOOROOPILLY GOLF COURSE REDEVELOPMENT SPECIFICATIONS.

Brisbane City Council

30/03/2022

INDOOROOPILLY **GOLF CLUB**

STAGE 1 WORKS

11/03/2022 APPLICATION REF A005911581

FOR

INDOOROOPILLY GOLF CLUB

	A1 ORIGINAL SIZE BEFORE R	EDUCTION
A	ISSUE FOR APPROVAL	21-12
VED	DESCRIPTION	DAT



Level 2, Connaught Centre 26 Marine Parade, Southport QLD 4215 PO Box 3766, Australia Fair, Southport QLD 4215 Phone: +61 7 5509 6400 Fax: +61 7 5509 6411 Email: admin@burchills.com.au Coote Burchills Engineering Pty Ltd ABN 76 166 942 365

PROJECT:

GOLF COURSE REDEVELOPMENT

DRAWING TITLE :

TYPICAL TEE DETAIL

DEVEL, APPLIC, No. :		DATE: 21-12-21	
PROJECT LEADER:	DAVID WILLIAMS		
DESIGNER:	LIONEL LETCHER		
DRAFTSPERSON:	LIONEL LETCHER		
CHECKED:	DAVID WILLIAMS		
APPROVED FOR AND ON BEHALF OF BURCHILLS ENGINEERING SOLUTIONS ABN 76 166 942 3			

BE190133-101 C102

GENERAL EARTHWORKS NOTES:

- 1. ALL EARTHWORKS CONSTRUCTION UNDER THIS CONTRACT IS TO BE PERFORMED STRICTLY IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT, PREPARED BY THE PRINCIPAL'S GEOTECHNICAL CONSULTANT.
- 2. ALL COMPACTION TESTING UNDER THIS CONTRACT IS TO BE CARRIED OUT TO AS3798 LEVEL 1 STANDARD BY A NATA-ACCREDITED TESTING AUTHORITY. CERTIFICATION FOR ALL FARTHWORKS CONSTRUCTION AND TESTING IS TO BE PROVIDED BY A REGISTERED PROFESSIONAL ENGINEER QUEENSLAND (RPEQ) ENGAGED BY THE CONTRACTOR
- 3. ALL DESIGN LEVELS SHOWN ON THE CONTRACT DRAWINGS ARE FINISHED SURFACE LEVELS FOLLOWING TOPSOIL REPLACEMENT.
- ALL STRUCTURAL FILL MATERIAL PLACED SHALL BE COMPACTED TO THE FOLLOWING MINIMUM DENSITY IN ACCORDANCE WITH THE SPECIFICATION AND THE GEOTECHNICAL REPORT
- a) 95% DENSITY RATIO FOR GENERAL STRUCTURAL FILL
- (COHESIVE MATERIAL)
 b) 98% DENSITY RATIO FOR THE TOP 300mm DEPTH BELOW PAVEMENT SUBGRADE LEVEL (COHESIVE MATERIAL)
- 5. FILL MATERIAL USED IN BIO-BASIN BATTERS IS TO BE STIFF TO HARD CLAYS OR OTHER SUITABLE MATERIAL AS DIRECTED BY GEOTECHNICAL ENGINEER.
- 6. ALL EARTHWORKS BATTERS STEEPER THAN 1 IN 4 ARE TO BE LANDSCAPED IN
- EXISTING DAMS ARE TO BE DE-WATERED AND CLEANED-OUT. ALL UNSUITABLE OR SATURATED MATERIAL IS TO BE REMOVED AND REPLACED WITH SELECTED ON-SITE STRUCTURAL FILL MATERIAL AND COMPACTED AS SPECIFIED.
- PROVIDE CONDITION SURVEY OF ADJACENT RESIDENTIAL BUILDINGS FOR ALL PROPERTIES IF REQUIRED LOCATED WITHIN NOMINAL 100m OF EARTHWORKS OPERATIONS WHERE VIBRATORY EQUIPMENT IS TO BE USED. CONDITION SURVEY TO BE UNDERTAKEN BY QUALIFIED PERSONNEL WITH BUILDING

TYPICAL EARTHWORKS SEQUENCE NOTES:

- CONSTRUCT DIVERSION DRAINS AS DIRECTED TO DIVERT SITE RUNOFF AWAY FROM CONSTRUCTION AREAS. ESTABLISH DE-WATERING CONTROLS TO ENSURE THAT THE CONSTRUCTION AREAS REMAIN FREE OF SURFACE WATER AND PONDING.
- 2. FOLLOWING COMPLETION OF CLEARING OPERATIONS AND REMOVAL OF RESIDUAL VEGETATION AND DEBRIS STRIP TOPSOIL TO A NOMINAL 150mm DEPTH AND PLACE IN TEMPORARY STOCKPILES IN LOCATIONS APPROVED BY THE SUPERINTENDENT.
- PROOF-ROLL AND COMPACT THE PROPOSED FILL AREAS FOLLOWING TOPSOIL STRIPPING, TO THE SATISFACTION OF THE SUPERINTENDENT.
- ANY STRIPPED AREAS WHICH DEMONSTRATE EXCESSIVE MOVEMENT OR DO NOT IMPROVE SUFFICIENTLY UNDER PROOF-ROLLING ARE TO BE REMOVED, REPLACED WITH APPROVED SITE MATERIAL AND COMPACTED IN ACCORDANCE WITH THE RECOMMENDATIONS BY THE PRINCIPAL'S GEOTECHNICAL CONSULTANT.
- ANY UNSUITABLE MATERIAL ENCOUNTERED, INCLUDING SILTY MATERIAL AND UN-CONTROLLED FILL IS TO BE EXCAVATED TO THE EXTENTS AND DEPTHS NOMINATED BY THE PRINCIPAL'S GEOTECHNICAL CONSULTANT, REMOVED TO NON-STRUCTURAL FILL AREAS OR TAKEN OFF-SITE AS DIRECTED AND REPLACED WITH APPROVED, COMPACTED FILL MATERIAL. REFER DRG. BE190133-C201-C209 FOR UN-CONTROLLED FILL EXTENTS.
- 6. PLACE STRUCTURAL FILL MATERIAL FROM SITE EXCAVATIONS TO NOMINATED SITE FILL AREAS. INCLUDING BENCHING AND COMPACTION IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND TRIMMING AND FINAL PROFILING OF BATTERS.
- 7. PROVIDE GRASSING TO TOPSOILED AREAS AS DIRECTED.

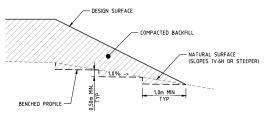
TIP AREA FILL NOTES:

1. REFERENCE TO BE MADE TO THE GEOTECHNICAL REPORT PREPARED BY PACIFIC GEOTECH PG-3259 DATED JANUARY 2020.

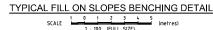
FAIRWAYS - REFER OPTION 2 NOMINALLY COMPACT THE EXISTING GROUND SURFACE, PLACE A GEOGRID OVER THE PREPARED SURFACE AND PLACE AND COMPACT A SUITABLE CAPPING LAYER ABOVE THE GEOGRID.

TEES GREENS & CARPARKS - REFER OPTION 1
COMPACT THE GROUND SURFACE USING A HIGH ENERGY IMPACT ROLLER.
PLACE A GEOGRID/GEOSYNTHETICS OVER THE EXISTING SURFACE AND PLACE A SUITABLE CAPPING LAYER ABOVE THE CURRENT GROUND LEVEL

LIMITS OF REMEDIATION WORKS WITHIN THE TIP SITE SHALL BE DETERMINED BY THE PRINCIPAL'S GEOTECHNICAL CONSULTANT, PACIFIC GEOTECH.



NOTE: FINAL BENCHED PROFILE TO BE VERIFIED BY CERTIFYING GEOTECHNICAL ENGINEER



APPROVED PLAN Brisbane City Council 30/03/2022 APPROVED PLAN ONLY REFERS TO: Earthworks Stormwater Roadworks Traffic Functional Layout Traffic Signals Construction Management Plan WSUD Device(s) Signs and Linemarking Other

GENERAL NOTES:

CONTRACT DOCUMENTATION
ALL DRAWINGS UNDER THIS CONTRACT ARE TO BE READ IN CONJUNCTION WITH THE PROJECT

CONTROL SURVEY INFORMATION WILL BE ESTABLISHED ON SITE BY THE PRINCIPAL'S SURVEYOR.

ALL LEVELS SHOWN ON DRAWINGS ARE A.H.D. (DERIVED).

 EXISTING SURVEY
CONTROL STATIONS THE CONTRACTOR IS TO ENSURE THAT SURVEY CONTROL STATIONS ARE NOT DAMAGED OR DISTURBED IN ANY WAY BY CONSTRUCTION ACTIVITIES.

EXISTING SERVICES
EXISTING SERVICES LOCATIONS WHERE SHOWN ON THE DRAWINGS ARE INDICATIVE ONLY. THE CONTRACTOR SHALL CONTACT THE RELEVANT AUTHORITIES AND UNDERTAKE A DIAL-BEFORE-YOU-DIG SEARCH TO ASCERTAIN THE EXACT LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF WORK AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO EXISTING

SITE ACCESS
THE CONTRACTOR SHALL GAIN ACCESS TO THE SITE AT LOCATIONS APPROVED BY THE SUPERINTENDENT. FREEDOM OF ACCESS TO OTHER WORK AREAS ON THE SITE SHALL BE MAINTAINED

PROVISION FOR TRAFFIC

PROVISION FOR TRAFFIC ON LOCAL ROADS IS TO BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND LOCAL AUTHORITY REQUIREMENTS.

THE CONTRACTOR IS TO RESTRICT ACTIVITIES TO THOSE AREAS DESIGNATED AS WORK AREAS UNDER THIS CONTRACT. AT NO TIME SHALL THE CONTRACTOR ENTER ADJOINING PROPERTIES OR CONTRACT WORK AREAS ON THE SITE WITHOUT WRITTEN AUTHORISATION FROM THE SUPERINTENDENT

SITE CLEARING

GLEARING AND GRUBBING SHALL BE CARRIED OUT TO ALL WORK AREAS AS SPECIFIED AND SHALL INCLUDE THE REMOVAL OF ALL EXISTING TREES. EXISTING VEGETATION. TIMBER, FENCES AND ANY

10. TOPSOIL STRIPPING

TOPSOIL STRIPPED FROM WORK AREAS SHALL BE STOCKPILED FOR LATER RE-SPREADING TO ALL FOOTPATHS, BATTERS AND ALLOTMENTS.

11. EARTHWORKS (GENERAL)

ALL FILL MATERIAL PLACED SHALL BE COMPACTED AND TRIMMED TO FINAL EARTHWORKS LEVELS AND PROFILES SHOWN ON THE CONTRACT DRAWINGS AND TESTED IN ACCORDANCE WITH THE PROJECT SPECIFICATION. ALL COMPACTION TESTING UNDER THIS CONTRACT IS TO BE CARRIED OUT TO AS3798 LEVEL 1 STANDARD BY A NATA-ACCREDITED TESTING AUTHORITY. CERTIFICATION FOR ALL EARTHWORKS CONSTRUCTION AND TESTING IS TO BE PROVIDED BY A REGISTERED PROFESSIONAL ENGINEER QUEENSLAND (RPEQ) ENGAGED BY THE CONTRACTOR.

COMPACTION
 STANDARDS ALL FILL MATERIAL PLACED UNDER THIS CONTRACT SHALL BE COMPACTED IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND CURRENT COUNCIL STANDARDS.

13. STORMWATER DRAINAGE

LOCATION AND ALIGNMENT OF ALL STORMWATER DRAINLINES IS TO BE VERIFIED ON SITE WITH THE SUPERINTENDENT PRIOR TO EXCAVATION. THE DESIGN SURFACE LEVELS OF MANHOLES AND OTHER STRUCTURES ARE TO BE VERIFIED ON SITE WITH THE SUPERINTENDENT. ALL DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH COUNCIL STANDARD DRAWINGS AND SPECIFICATION.

14. SEWERAGE RETICULATION
THE DESIGN SURFACE LEVELS OF SEWER MANHOLES ARE TO BE VERIFIED ON SITE WITH THE SUPERINTENDENT PRIOR TO CONSTRUCTION. ALL SEWERAGE RETICULATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT SOUTH EAST QUEENSLAND SEWERAGE CODE (SEQ CODE) AND ASSOCIATED STANDARD DRAWINGS.

15. WATER RETICULATION
ALL WATER RETICULATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT SOUTH EAST QUEENSLAND SEWERAGE CODE (SEQ CODE) AND ASSOCIATED STANDARD DRAWINGS.

16. ELECTRICAL RETICULATION
ALIGNMENTS OF ALL CONDUIT CROSSINGS ARE TO BE VERIFIED ON SITE WITH THE SUPERINTENDENT PRIOR TO EXCAVATION. ALL TRENCHING AND CONDUIT WORKS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE RELEVANT CONSULTANT'S DRAWINGS AND ENERGEX SPECIFICATION "UNDERGROUND DISTRIBUTION CONSTRUCTION."

ALL TESTING SHALL BE CARRIED OUT BY AN APPROVED N.A.T.A. TESTING AUTHORITY IN ACCORDANCE WITH THE PROJECT SPECIFICATION AND COUNCIL STANDARDS

18. "AS CONSTRUCTED" SURVEY
"AS CONSTRUCTED" SURVEY SHALL BE CARRIED OUT BY THE PRINCIPAL'S SURVEYOR AS WORK

19. MAINTENANCE OF SITE CONDITION
AT THE COMPLETION OF WORKS THE SITE IS TO BE LEFT IN A CLEAN AND TIDY CONDITION TO THE SATISFACTION OF THE SUPERINTENDENT AND RELEVANT COUNCIL REPRESENTATIVE.

REFERENCE DOLUMENTS
ALL DRAWINGS TO BE READ IN CONJUNCTION WITH. - LANDSCAPE ARCHITECTS DRAWINGS ELECTRICAL DRAWINGS - VEGETATION MANAGEMENT AND TREE CLEARING REQUIREMENTS

INDOOROOPILLY **GOLF CLUB**

STAGE 1 WORKS

11/03/2022

FOR

INDOOROOPILLY GOLF CLUB

	A 1 ORIGINAL SIZE BEFORE REDUCTION		
A	ISSUE FO	OR APPROVAL	21-12-21
VER.		DESCRIPTION	DATE

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PROJECT

GOLF COURSE REDEVELOPMENT

DRAWING TITLE :

GENERAL EARTHWORKS NOTES AND DETAILS

DEVEL, APPLIC, No. :		DATE: 21-12-21		
PROJECT LEADER:	DAVID WILLIAMS			
DESIGNER:	LIONEL LETCHER			
DRAFTSPERSON:	LIONEL LETCHER			
CHECKED:	DAVID WILLIAMS			
APPROVED FOR AND ON BEHALF OF BURCHILLS ENGINEERING SOLUTIONS ABN 76 166 942 365				
5		RPEQ No.: 23404		

ULL SIZE :

BE190133-101 C103