

4.

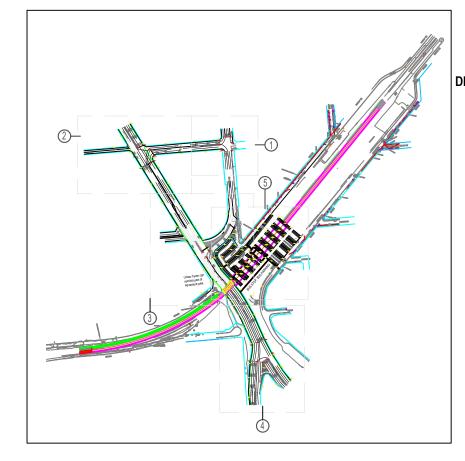
5.

DRAWING DETAILS

- 1. TRANSPORTATION DRAWINGS
- 2. STRUCTURAL DRAWINGS
- 3. GEOTECHNICAL DRAWINGS
 - SERVICES DRAWINGS
 - **URBAN DRAWINGS**
- 6. ENVIRONMENTAL DRAWINGS



TRANSPORTATION DEPARTMENT



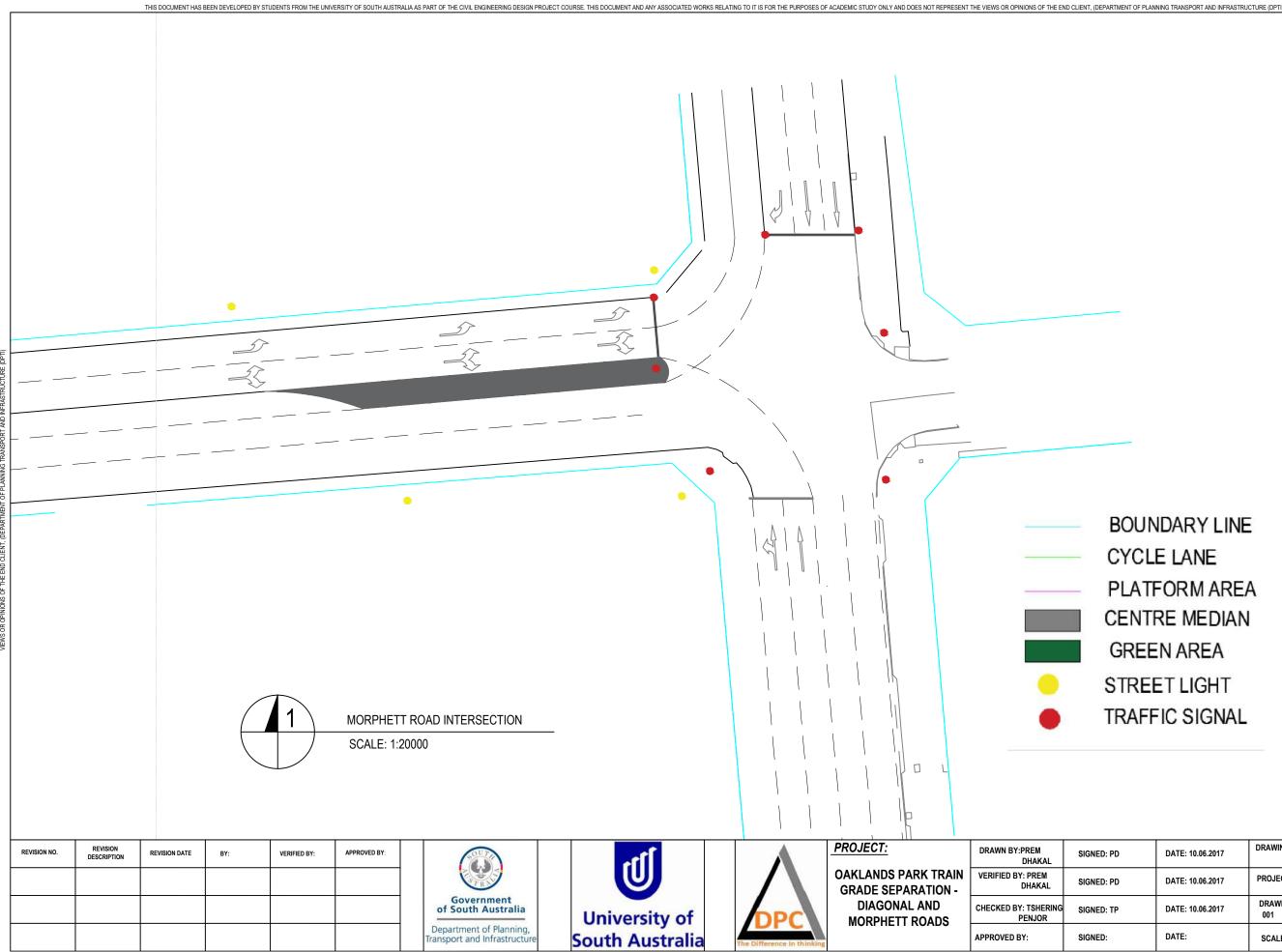
\square	CAR PARK DETAILS
	SCALE: 1:20000

RAWING NUMBER	NAME OF DRAWING	DRAWN BY			
	PACKAGE ONE: ROAD ALIGNMENT				
001	MORPHETT ROAD INTERSECTION	PREM DHAKAL			
002	PRUNUS STREET INTERSECTION	PENGFEI WANG			
003	COLES INTERSECTION	RAZA JAMALE			
004	NORTHERN SWIMMING POOL INTERSECTION	CHIZHENGPING YANG			
005	CAR PARK DETAILS	PREM DHAKAL			
	PACKAGE TWO: PLATFORM AND RAIL TRACK				
006	WEST END RAILWAY TRACK	HAYELOM	1		
007	PLATFORM AND RAILWAY TRACK DETAILS	KAVVITHIRAN S R			

REVISION NO.	REVISION DESCRIPTION	REVISION DATE	BY:	VERIFIED BY:	APPROVED BY:		etf		PROJECT:	DRAWN BY: TSHERING PENJOR	SIGNED:
						TRAIN	U		OAKLANDS PARK TRAIN GRADE SEPARATION -	VERIFIED BY:PREM DHAKAL	SIGNED: PD
						Government of South Australia	University of	DPC	DIAGONAL AND MORPHETT ROADS	CHECKED BY: TSHERING PENJOR	SIGNED: TP
						Department of Planning, Transport and Infrastructure	South Australia	The Difference In thinking	MORTHETTROADO	APPROVED BY:	SIGNED:

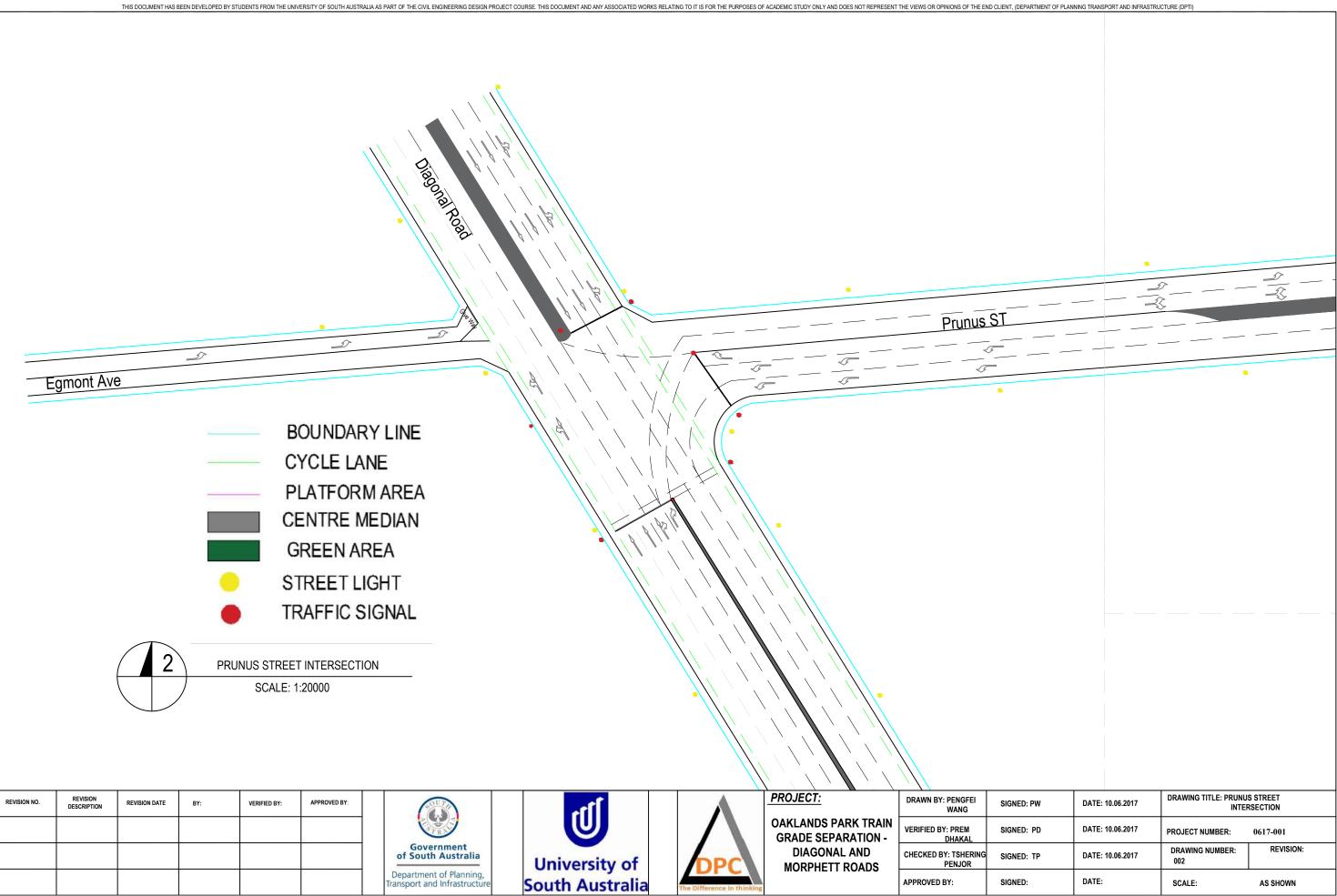


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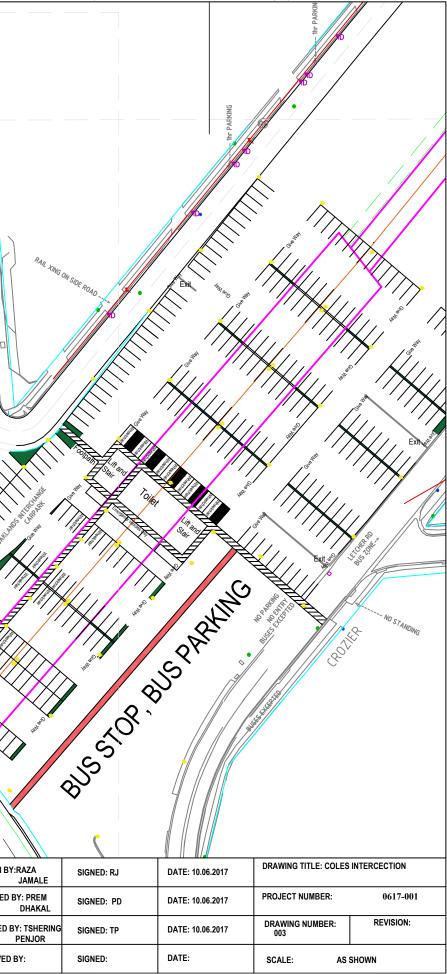


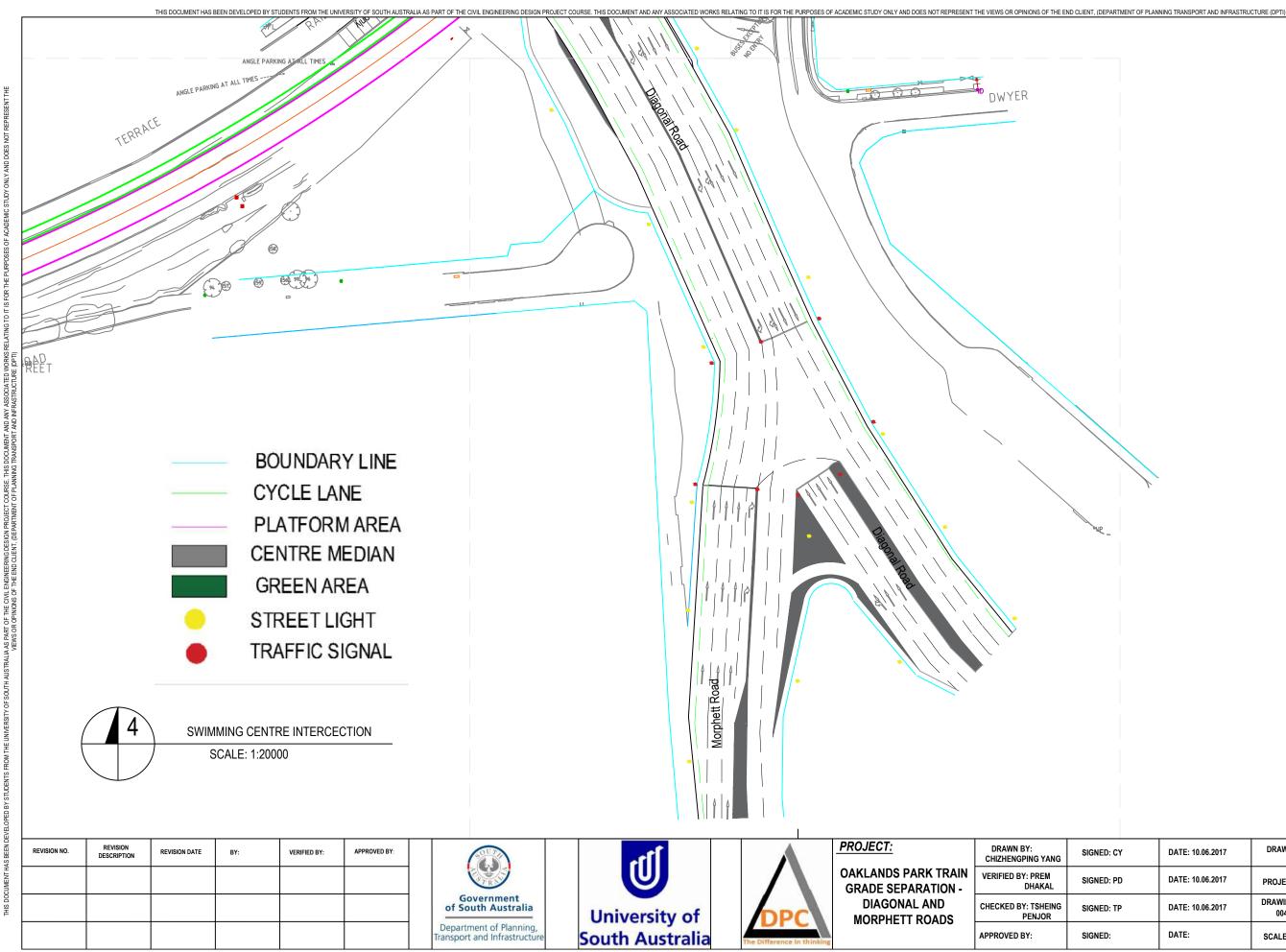
BOUNDARY LINE CYCLE LANE PLATFORM AREA **CENTRE MEDIAN GREEN AREA** STREET LIGHT TRAFFIC SIGNAL

NED: PD	DATE: 10.06.2017	DRAWING TITLE: MORPHETT ROAD INTERSECTION			
NED: PD	DATE: 10.06.2017	PROJECT NUMBER:	0617-001		
NED: TP	DATE: 10.06.2017	DRAWING NUMBER: 001	REVISION:		
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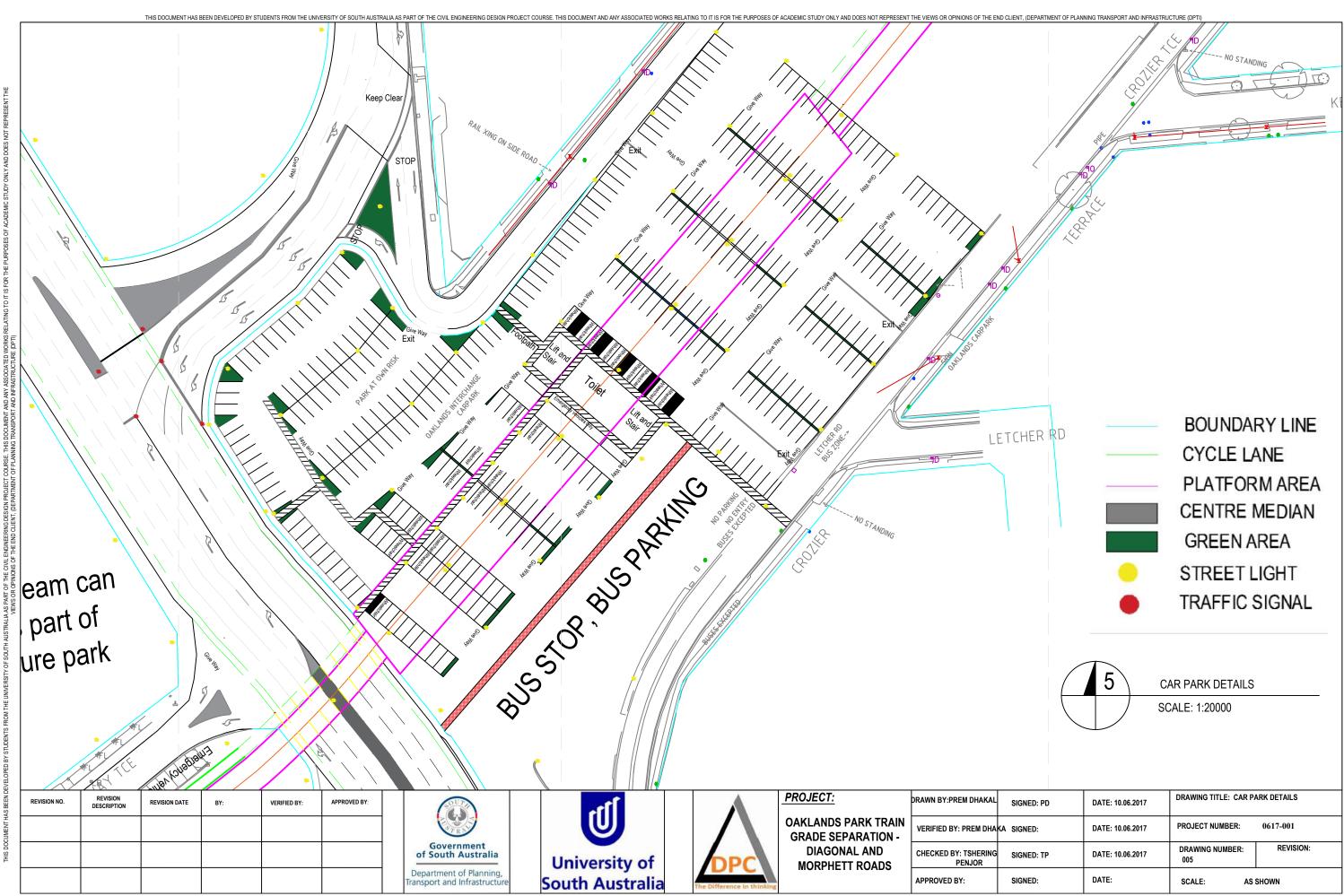


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THIS DOCUMENT HAS BEEN DEVELOPED BY STUDENTS FROM THE UNIVERSITY OF SOUTH AUSTRALIA AS PART OF THE CIVIL ENGINEERING DESIGN PROJECT COURSE. THIS DOCUMENT AND ANY ASSOCIATED WORKS RELATING TO IT IS FOR THE PURPOSES OF ACADEMIC STUDY ONLY AND DOES NOT REPRESENT THE VIEWS OR OPINIONS OF THE END CLIENT, DEPARTMENT OF PLANNING TRANSPORT AND INFRASTRUCTURE (DPTI)		BOUND CYCLE I PLATFO CENTRE GREEN STREET TRAFFIC	ARY LIN LANE RM ARE MEDIA AREA LIGHT SIGNA	E A N		RALIA AS PART OF THE CIVIL ENGINEERING DESIGN PR	Urban Team can use this part of Adventure park		FACADEMIC STUDY ONLY AND DOES NOT REPRESENT Keep C	Bear Parts Anno 1	
IENT HAS							U		OAKLANDS PARK TRAIN	VERIFIED BY: PREM	SIGNE
S DOCUME						Government			GRADE SEPARATION - DIAGONAL AND	DHAKAL	
SIHL						of South Australia	University of	DPC	MORPHETT ROADS	CHECKED BY: TSHERING PENJOR	SIGNE
						Department of Planning, Transport and Infrastructure	South Australia	The Difference in thinking		APPROVED BY:	SIGNE
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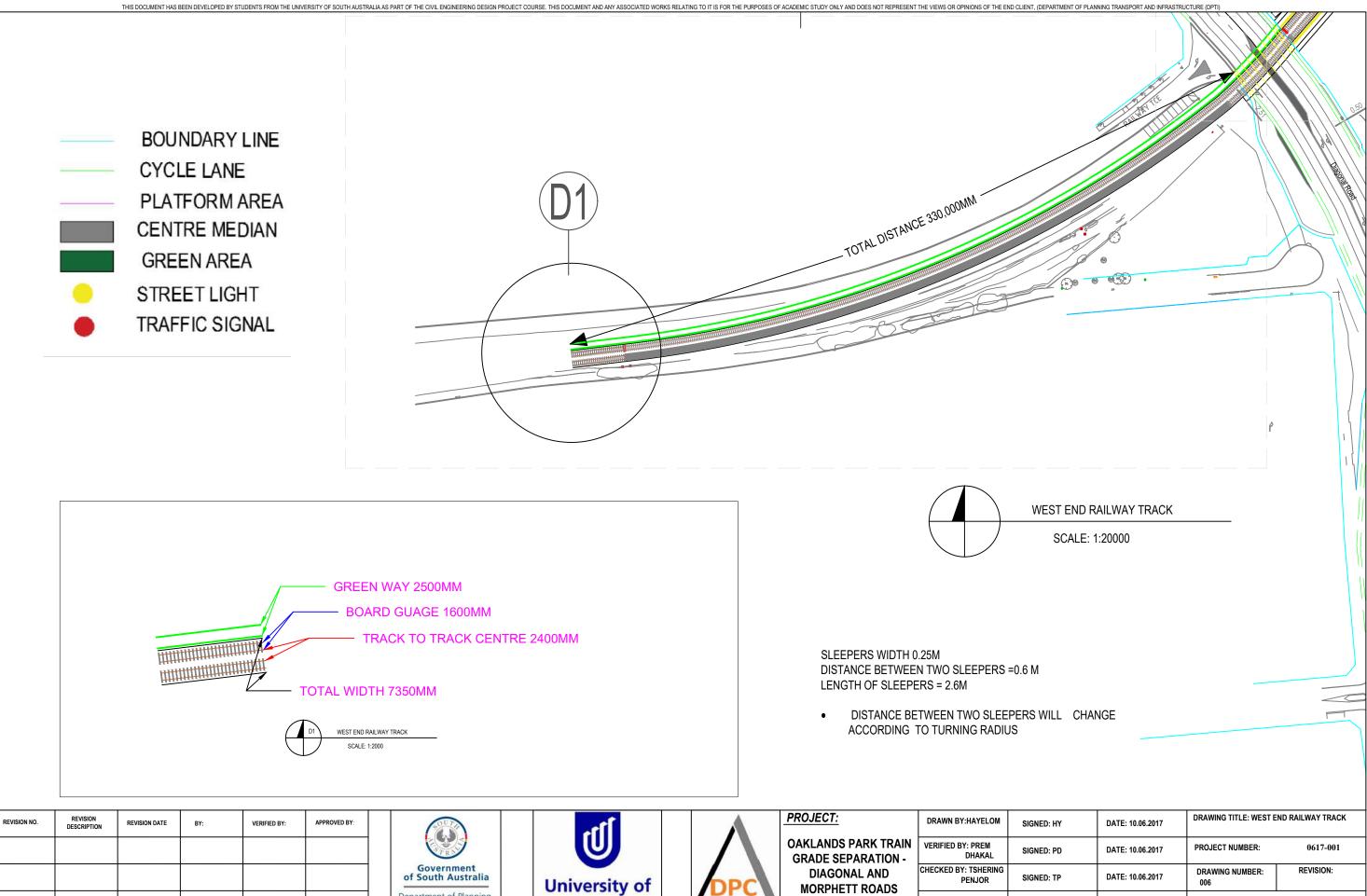




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NED: PD	DATE: 10.06.2017	DRAWING TITLE: CAR PARK DETAILS				
NED:	DATE: 10.06.2017	PROJECT NUMBER:	0617-001			
NED: TP	DATE: 10.06.2017	DRAWING NUMBER: 005	REVISION:			
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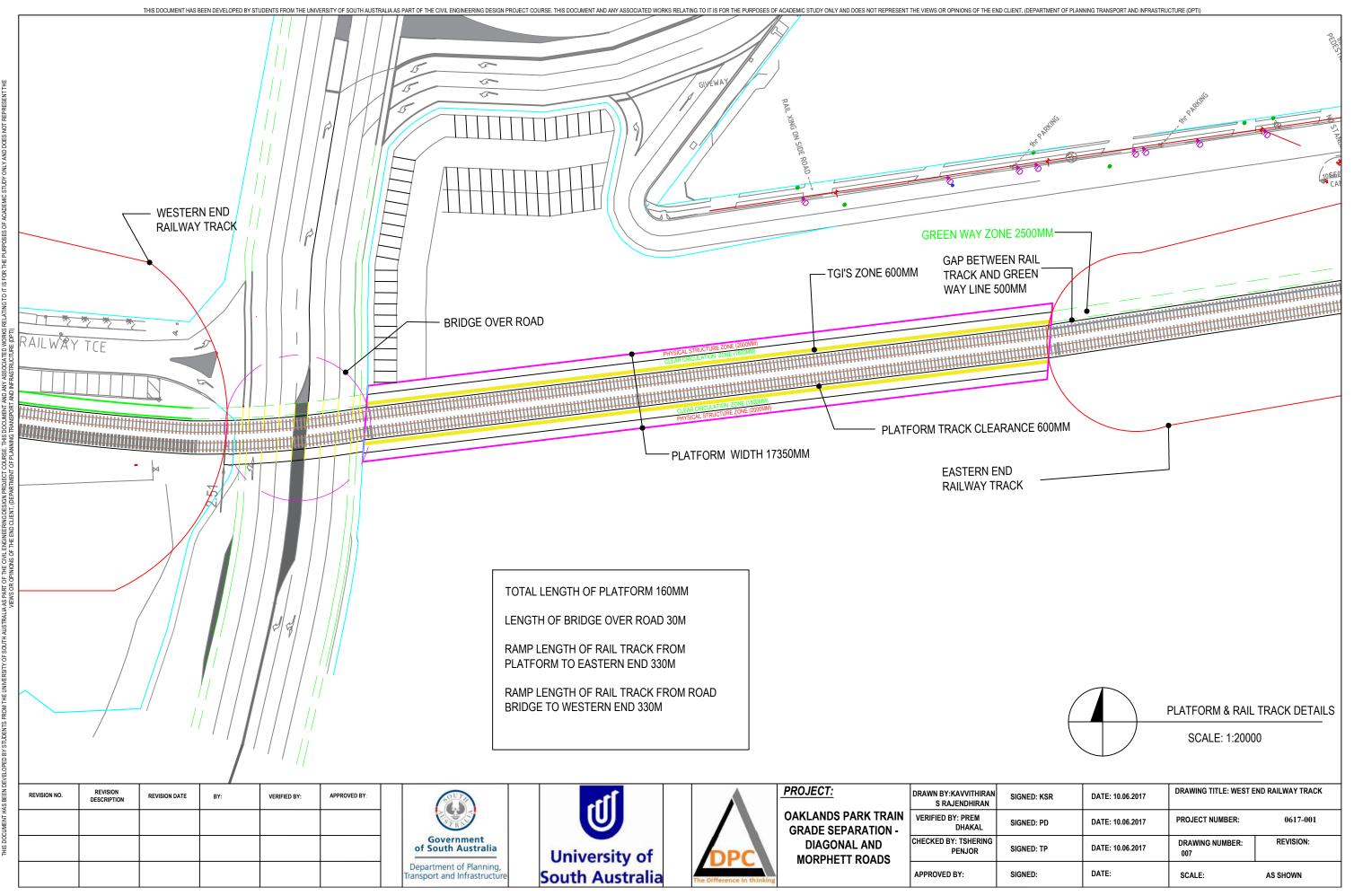
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South Australia

SIGNED: PD	DATE: 10.06.2017	PROJECT NUMBER:	0617-001
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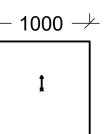
DRAWING NUMBER	NAME OF DRAWING	DRAWN BY	DRAWN BY			
	PACKAGE ONE: RAIL BRIDGE					
0102 0103 0106 0107 0108	PLAN VIEW TYPICAL CROSS SECTION COLUMNS HEADSTOCK SUPER-TEE	SAM VINI SAM JIA	NC NC COMPLETED COMPLETED COMPLETED			
0109	DECK REINFORCEMENT	AMIRUL	NC			
0110	PARAPETS	AMIRUL	NC			
	PACKAGE TWO: RAIL PLATFORM	1				
		<u>_</u>				
0202 0203 0204 0205 0206 0207 0208 0209 0210	PLAN VIEW TYPICAL CROSS SECTION ELEVATION VIEW SLAB TOP & BOTTOM REINFORCEMENT SLAB CROSS SECTION BEAM REINFORCEMENT COLUMNS FOOTINGS FOOTING/COLUMN CONNECTION	WILL WILL PARIN PARIN PARIN PARIN WILL SAM	COMPLETED COMPLETED COMPLETED COMPLETED COMPLETED COMPLETED COMPLETED NC			
	PACKAGE THREE: ARCHITECTU	RE SCREENS				
0301 0302	TITLE NOTES ARCHITECTURE SCREENS	OTHER OTHER	NA NA			
	PACKAGE FOUR: ACCESS STRU					
0401	TITLE NOTES	VINI	NA			
	PACKAGE FIVE: CENTRE MEDIA	N BARRIERS				
0501	CENTRE MEDIAN BARRIERS	VINI	COMPLETED			
	PACKAGE SIX: ELECTRIFICATIO	N STRUCTURES				
0601 0602	TITLE NOTES TYPICAL DETAILS	AMIRUL AMIRUL	NA NC			

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							University of	DPC	MORPHETT ROADS	VERIFIED BY: VINI TANDEL	SIGNED
						Government of South Australia				CHECKED BY: TSHERING PENJOR	SIGNED
						Department of Planning, Transport and Infrastructure	South Australia	A Difference in Thinking		APPROVED BY:	SIGNED

NS: NOT AVAILABLE NC: NOT COMPLETED

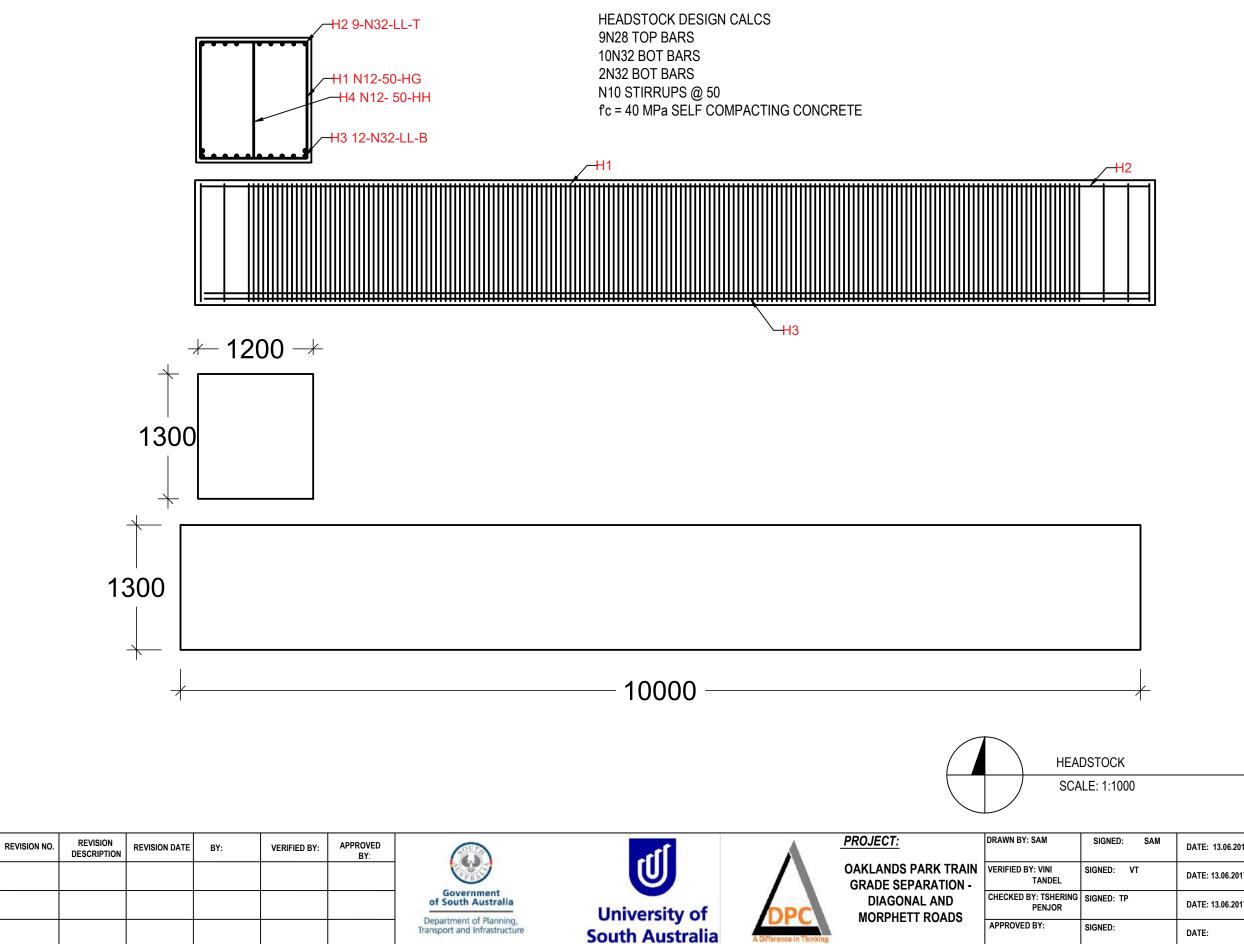
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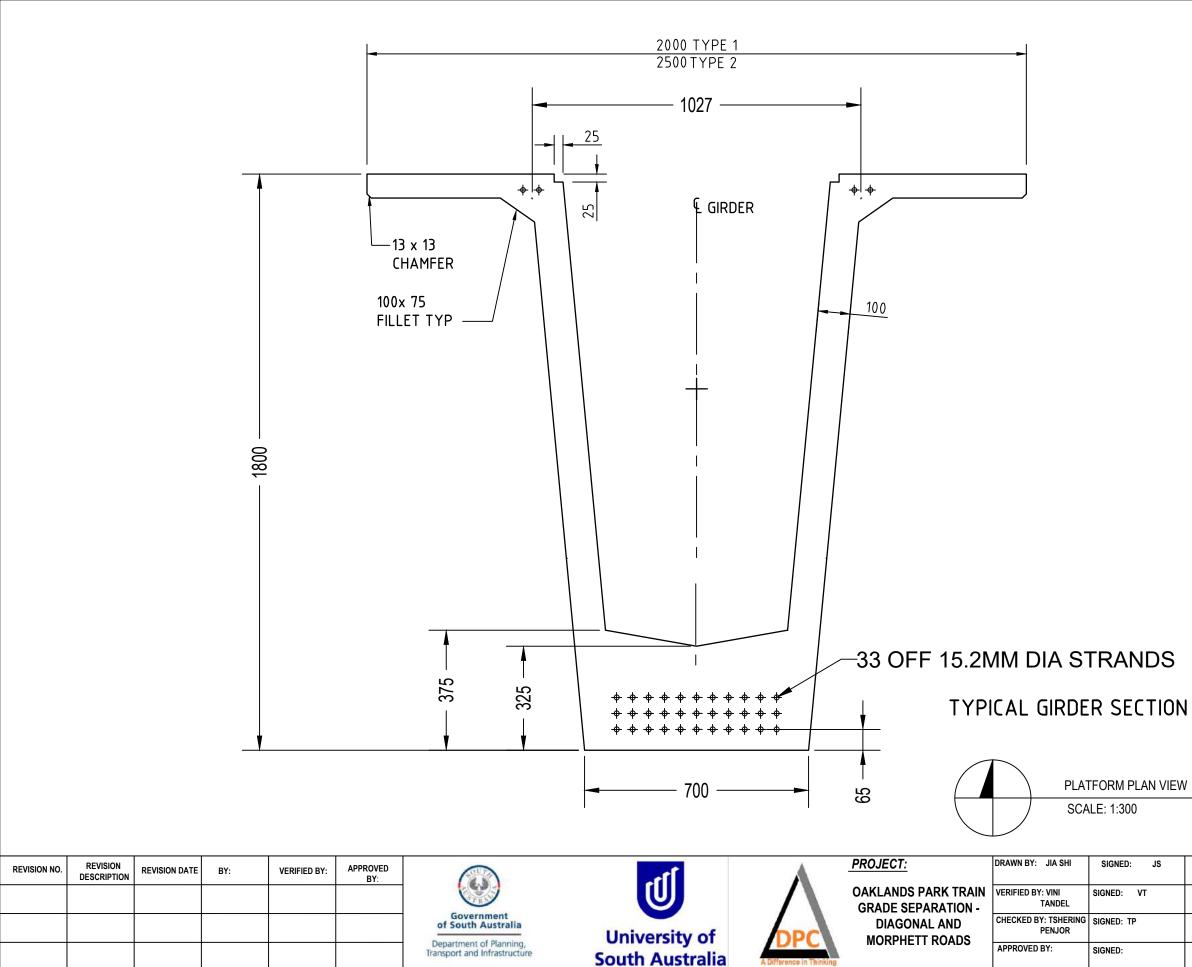


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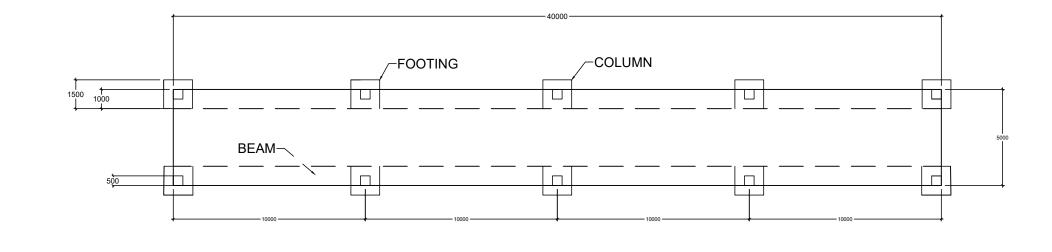
IED: SAM	DATE: 13.06.2017	DRAWING TITLE: HEAD	STOCK
D: VT	DATE: 13.06.2017	PROJECT NUMBER:	0617-001
): TP	DATE: 13.06.2017	DRAWING NUMBER: 0106	REVISION:
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IED: SAM	DATE: 13.06.2017	DRAWING TITLE: HEAD STOCK		
D: VT	DATE: 13.06.2017	PROJECT NUMBER:	0617-001	
D: TP	DATE: 13.06.2017	DRAWING NUMBER: 0107	REVISION:	
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IED: JS	DATE: 09.06.2017	DRAWING TITLE: SUPPER - TEE		
D: VT	DATE: 12.06.2017	PROJECT NUMBER:	0617-001	
D: TP	DATE: 12.06.2017	DRAWING NUMBER: 0108	REVISION:	
D:	DATE:	SCALE: AS SHOWN		



NOTE: TOTAL LENGTH OF THE PLATFORM WILL BE 160M. THE DRAWING HERE HAS CONSIDERED 40M LENGTH OF THE PLATFORM, OTHER PARTS FOR THE PLATFORM WOULD BE SAME.

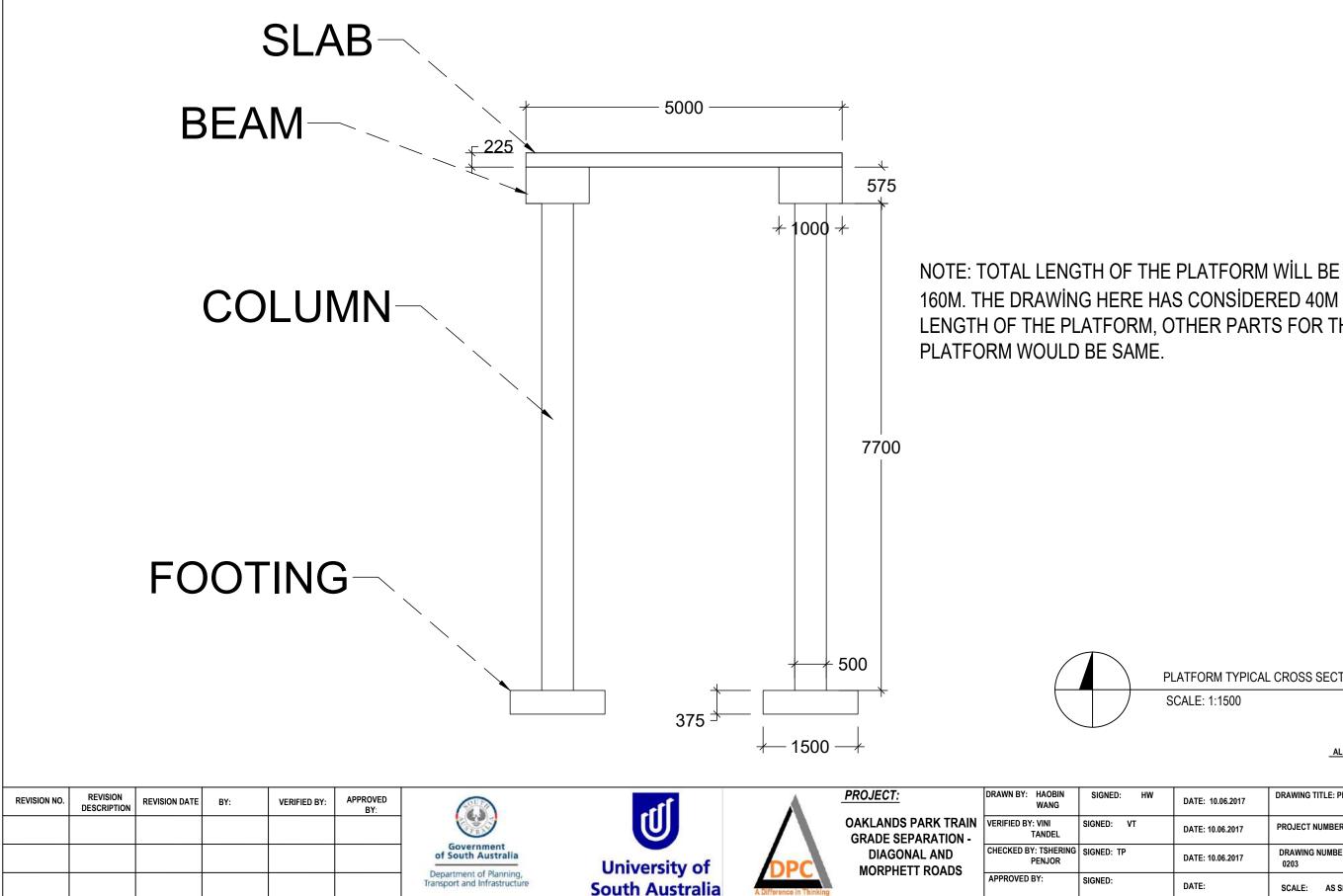
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						Government of South Australia	University of	DPC	DIAGONAL AND MORPHETT ROADS	CHECKED BY: TSHERING PENJOR	SIGNED: TP
						Department of Planning, Transport and Infrastructure	South Australia	A Difference in Thinking		APPROVED BY:	SIGNED:

ED: HW	DATE: 10.06.2017	DRAWING TITLE: PLATFO	ORM PLAN VIEW
: VT	DATE: 10.06.2017	PROJECT NUMBER:	0617-001
: TP	DATE: 10.06.2017	DRAWING NUMBER: 0202	REVISION:
:	DATE:	SCALE: AS SHOWN	I

ALL DIMENSIONS IN MM

PLATFORM PLAN VIEW

SCALE: 1:5000

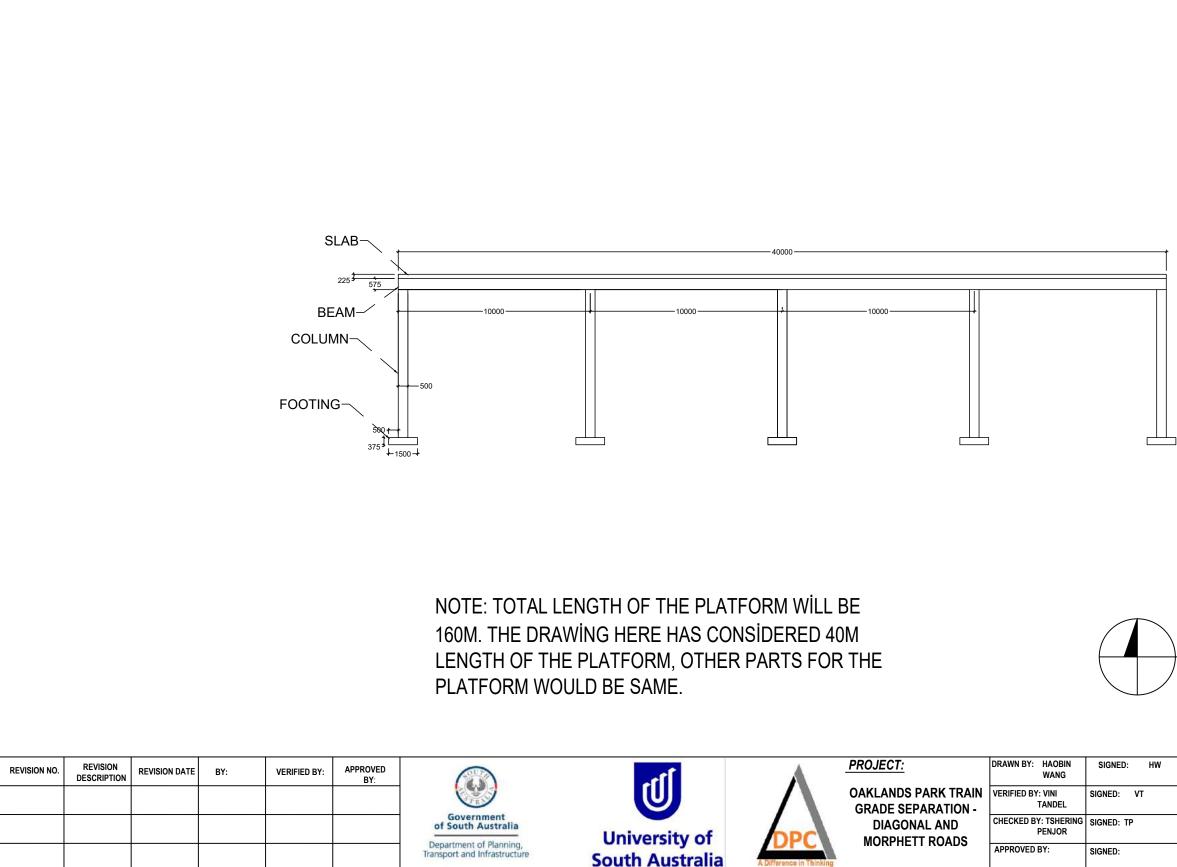


160M. THE DRAWING HERE HAS CONSIDERED 40M LENGTH OF THE PLATFORM, OTHER PARTS FOR THE

PLATFORM TYPICAL CROSS SECTION

SCALE: 1:1500

IED: HW	DATE: 10.06.2017	DRAWING TITLE: PLATFORM TYPICAL CROSS SECTION		
D: VT	DATE: 10.06.2017	PROJECT NUMBER:	0617-001	
): TP	DATE: 10.06.2017	DRAWING NUMBER: 0203	REVISION:	
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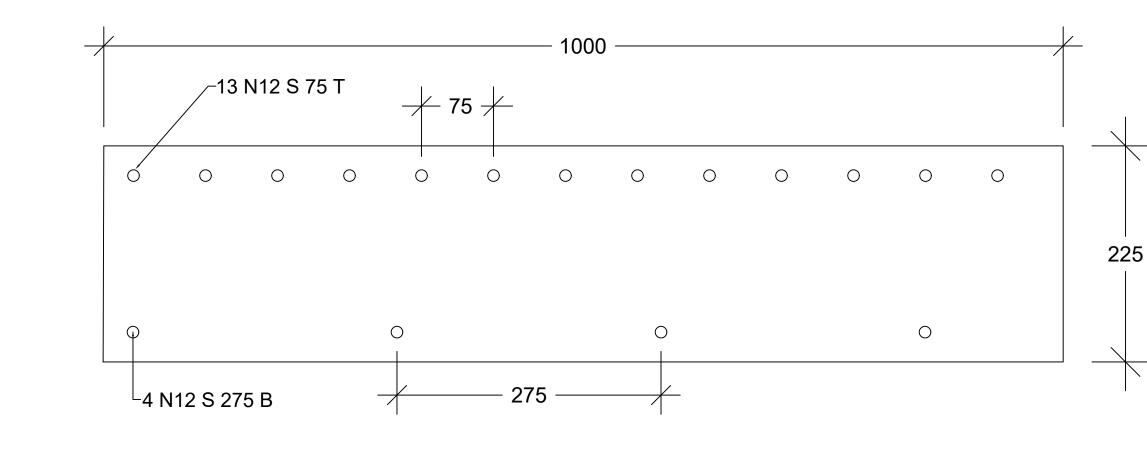


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PLATFORM ELEVATION VIEW

SCALE: 1:5000

IED: HW	DATE: 10.06.2017	DRAWING TITLE: PLATFORM TYPICAL CROSS SECTION		
D: VT	DATE: 10.06.2017	PROJECT NUMBER:	0617-001	
D: TP	DATE: 10.06.2017	DRAWING NUMBER: 0204	REVISION:	
D:	DATE:	SCALE: AS SHOWN		



NOTE: THE DRAWING SHOWS A CROSS SECTION VIEW OF SLAB REINFORCEMENT FOR 100MM WIDTH

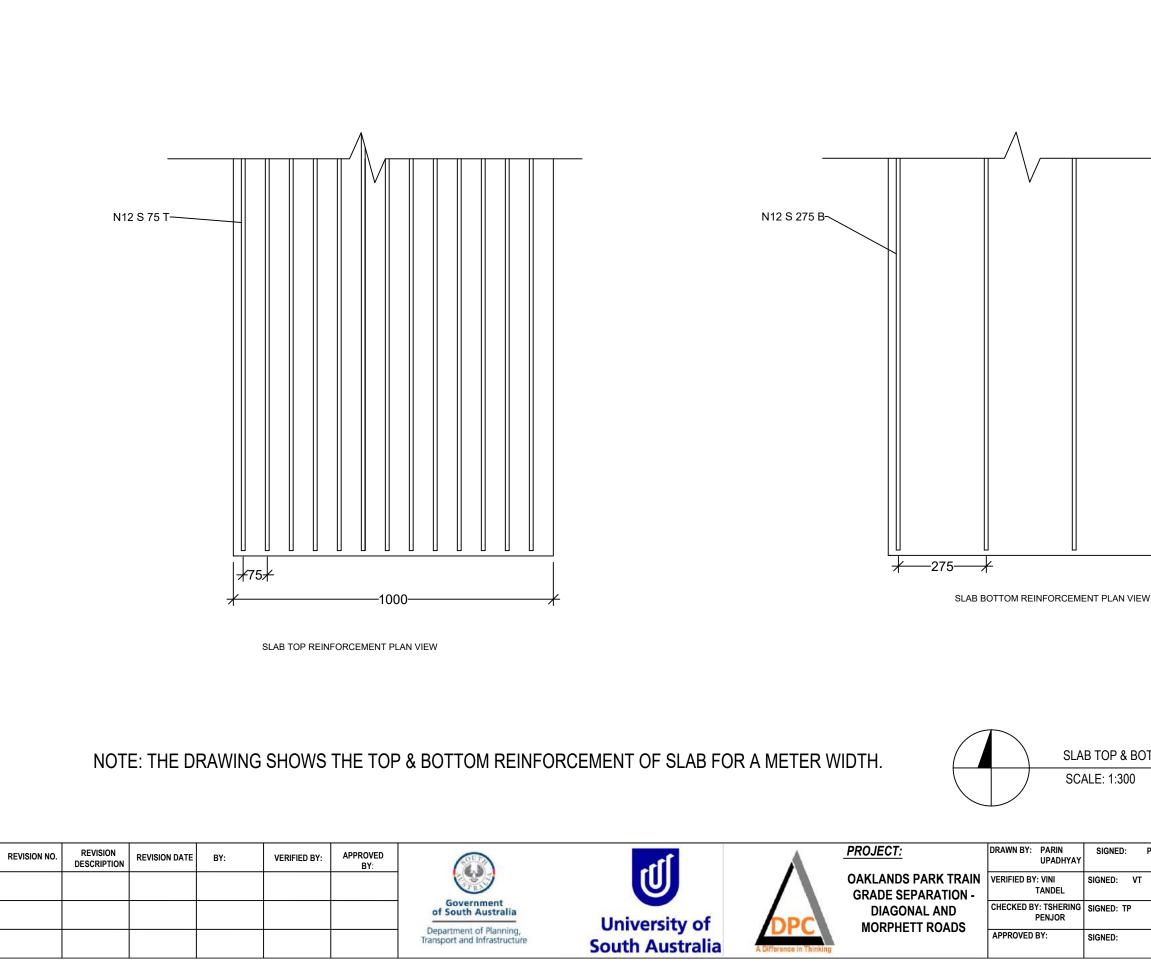
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						Government of South Australia	University of	DPC	DIAGONAL AND MORPHETT ROADS	CHECKED BY: TSHERI PENJOR	NG SIGNED
						Department of Planning, Transport and Infrastructure	South Australia	A Difference in Thinking	MORTHETTROADS	APPROVED BY:	SIGNED

ED: PARIN	DATE: 10.06.2017	DRAWING TITLE: SLAB C	ROSS-SECTION VIEW
): VT	DATE: 10.06.2017	PROJECT NUMBER:	0617-001
): TP	DATE: 10.06.2017	DRAWING NUMBER: 005	REVISION:
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ALL DIMENSIONS IN MM

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SLAB CROSS-SECTION VIEW

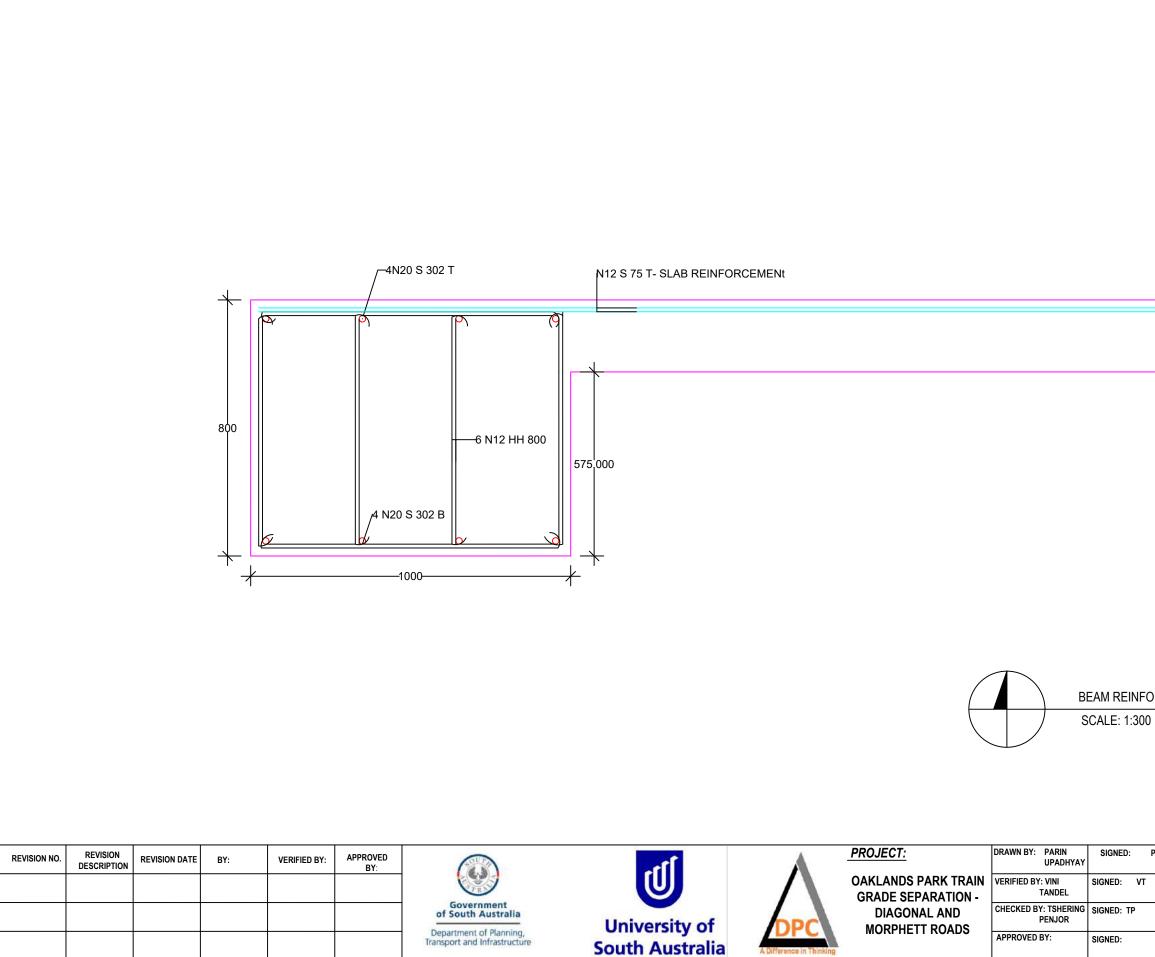


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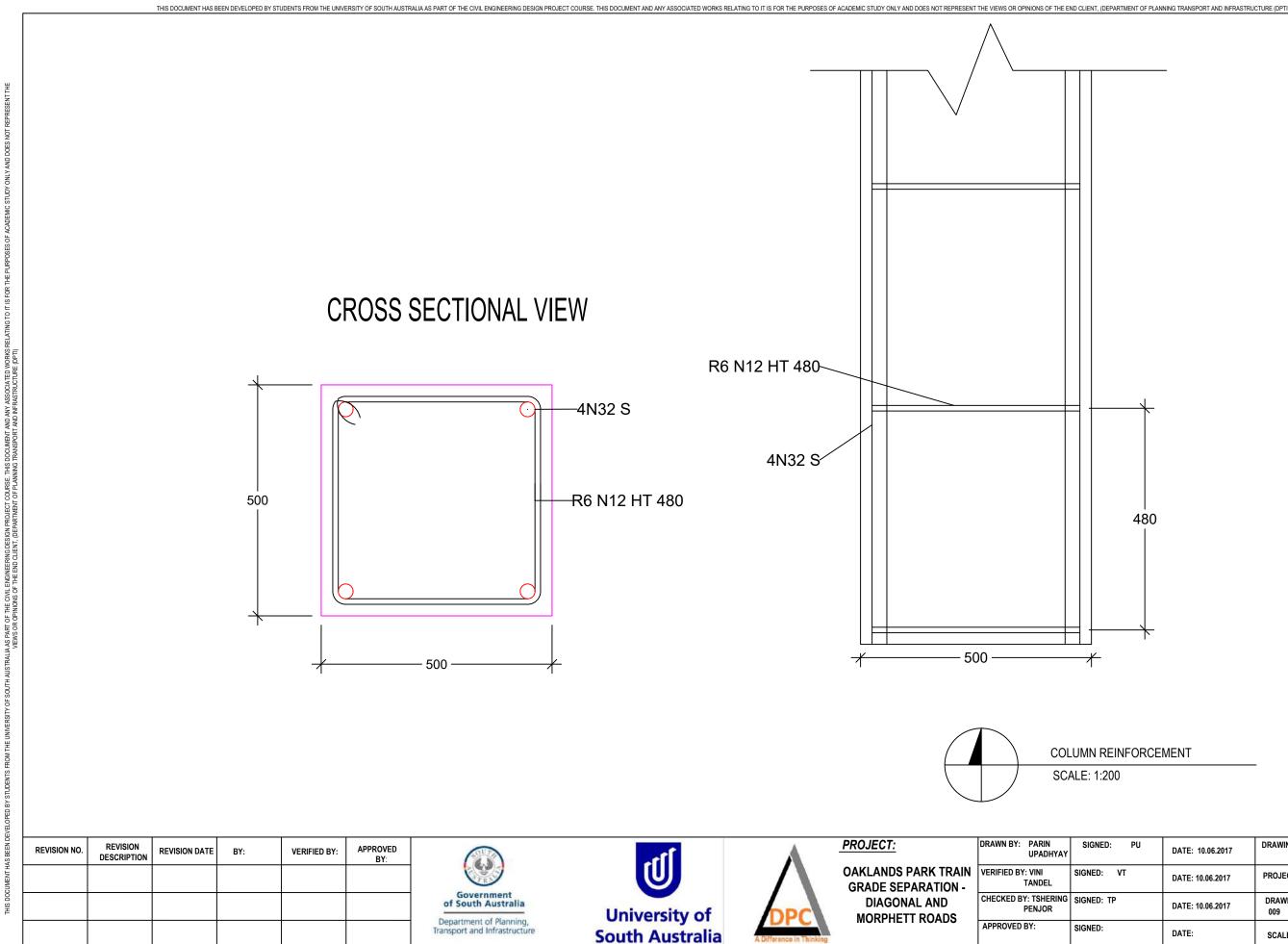
SLAB TOP & BOTTOM REINFORCEMENT

IED: PU	DATE: 10.06.2017	DRAWING TITLE: SLAB TOP & BOTTOM REINFORCEMENT		
D: VT	DATE: 10.06.2017	PROJECT NUMBER:	0617-001	
): TP	DATE: 10.06.2017	DRAWING NUMBER: 006	REVISION:	
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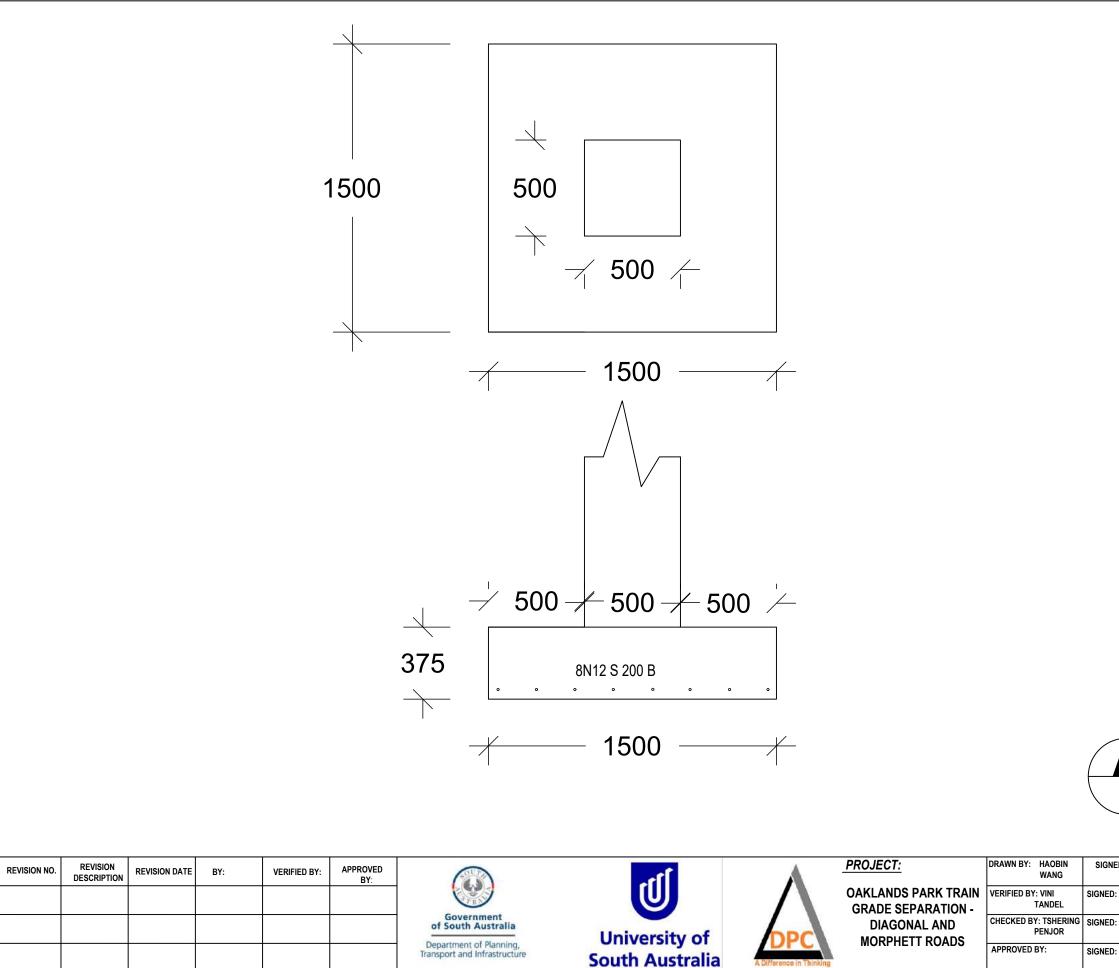


BEAM REINFORCEMENT

IED: PU	DATE: 10.06.2017	DRAWING TITLE: BEAM REINFORCEMENT		
D: VT	DATE: 10.06.2017	PROJECT NUMBER:	0617-001	
): TP	DATE: 10.06.2017	DRAWING NUMBER: RE	VISION:	
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): VT	DATE: 10.06.2017	PROJECT NUMBER:	0617-001	
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	SIGNED: HW	DATE: 10.06.2017	DRAWING TITLE: PLATFORM FOOTING		
	SIGNED: VT	DATE: 10.06.2017	PROJECT NUMBER:	0617-001	
i	SIGNED: TP	DATE: 10.06.2017	DRAWING NUMBER: 0210	REVISION:	
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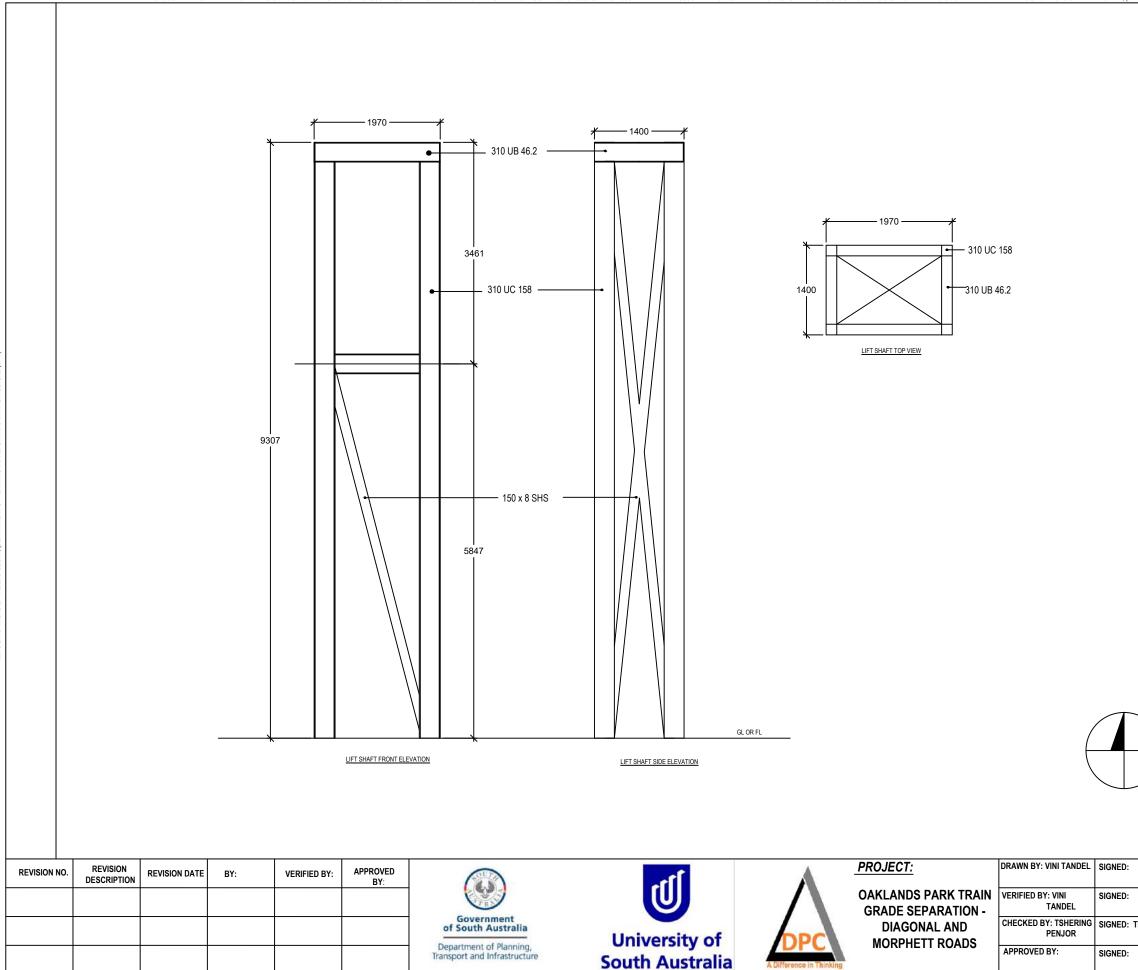


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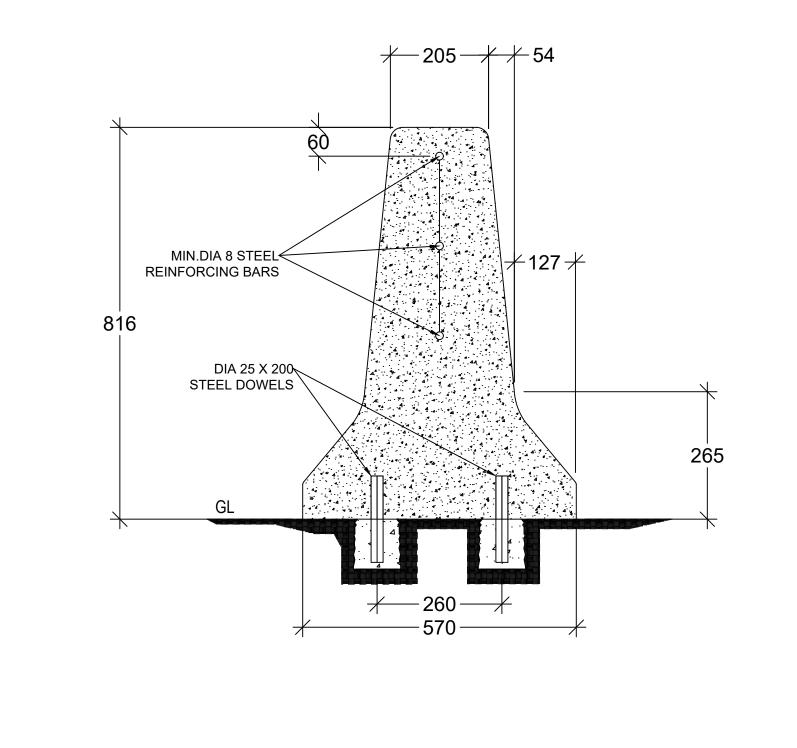
PLATFORM FOOTING



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LIFT SHAFT
SCALE: 1:1500

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D: VT	DATE: 10.06.2017	PROJECT NUMBER: 0617-001
D: TP	DATE: 10.06.2017	DRAWING NUMBER: REVISION: 001
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						Government of South Australia	University of	DPC		CHECKED BY: TSHERING PENJOR	SIGNED
						Department of Planning, Transport and Infrastructure	South Australia	A Difference in Thinking		APPROVED BY:	SIGNED



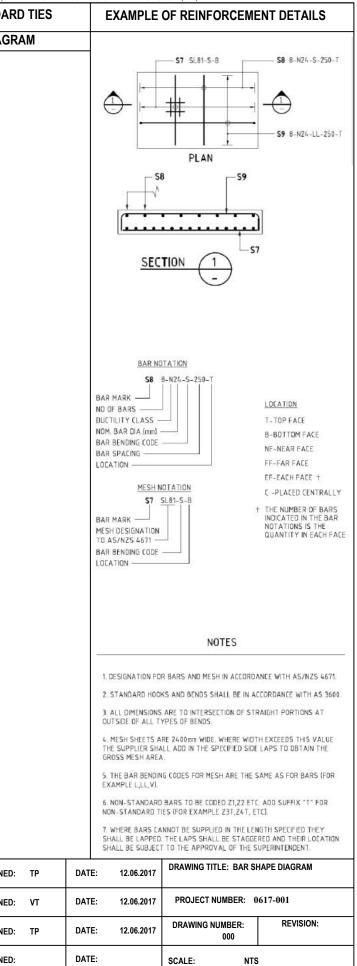
CENTRE MEDIAN BARRIERS

SCALE: 1:200

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D: VT	DATE: 10.06.2017	PROJECT NUMBER:	0617-001
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(DEPARTMENT OF PLANNING TRANSPORT AND INFRASTRUCTURE (DPTI)



PILING NOTES

REFER SHEET

SUPPER - T GIRDER NOTES B1. REFER SHEET

STRUCTURAL STEELWORK

S1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS 5100 AND THE SPECIFICATIONS

S2. WELDING SHALL BE PERFORMED BY A QUALIFIED OPERATORS IN ACCORDANCEWITH AS

- 1554.
- WELDING SYMBOLS ARE TO AS 1101.3 S3.
- BOLTS AND NUTS SHALL BE TO AS 1252 GRADE 8.8/S (UNO). WASHERS SHALL BE TO S4. AS1237
- STEEL PLATES SHALL BE GRADE 350 AND COMPLY WITH AS 3678 (UNO) S5.
- S6. ALL BOLTS, NUTS AND WASHERS TO BE HOT DIP GALVANISED IN ACCORDANCE WITH AS 1214
- ALL WELDS TO BE 6mm CONTINUES FILLETS WELDS (UNO) S7.
- **S**8
- ALL STEELWORKS SHALL BE HOT DIP GALVANISED AFTER FABRICATION (UNO) WELDING SHALL BE CATEGORY SP WITH E49XX ELECTODES COMPLYING WITH AS/NZS S9 1554 - PART 1
- S10. ALL SHARP EDGES AND BURRS RESULTING FROM PUNCHING, CUTTING & DRILLING
- SHALL BE REMOVED PRIOR TO GALVANIZING.
- S11. ANY DAMAGE TO THE GALVANIZING SHALL BE REPAIRED AS PER THE PROJECT SPECIFICATION.

REINFORCEMENT

- R1. REINFORCEMENT STEEL TO BE GRADE D500N TO AS 4671 UNO.
- R2 REINFORCING MESH TO BE GRADE D500L TO AS 4671 UNO.
- R3 ALL LAPS AND SPLICES TO BE AS BELOW UNO.

BAR SIZE	MIN. LAP LENGTH (mm)
N12	500
N16	600
N20	800
N24	1000
N28	1200
N32	1400
N36	1700

- FOR HORIZONTAL BARS WITH > 300mm OF CONCRETE CAST BELOW THE BARS THE R4. ABOVE LENGTHS ARE TO BE INCREASED BY 30%.
- R5. MESH SHALL BE LAPPED AS FOLLOWS:



R6. NOTATION

ES DENOTES EQUALLY SPACED

- NF DENOTES NEAR FACE
- EF DENOTES EACH FACE
- DENOTES TOP FACE DENOTES BOTTOM FACE

Bar Mark	S8	14-N24-S-250-T
NO OF BARS		
GRADE SYMBOL		
NOM BAR DIA (mm)-		
BAR SPACING		
_OCATION		

- ALL LAPS ARE TO BE STAGGERED. WHERE NOT POSSIBLE TO STAGGER THE LAPS THE LAP R7. LENGTH AS SHOWN IN THE ABOVE TABLE SHALL BE INCREASED BY 30%
- TO FACILITATE POSSIBLE FUTURE CATHODIC PROTECTION ALL REINFORCEMENT CAGES ARE R8. TO BE MADE ELECTRICALLY CONTINUES THROUGH EITHER ADDITIONAL TIE WIRES OR TACK WELDS PRIOR TO CASTING IN ACCORDANCE WITH AS2832.5
- DRAWN BY: TSHERING PROJECT: SIGN REVISION REVISION NO **REVISION DATE** VERIFIED BY: APPROVED BY: PENJOR DESCRIPTION BY. 6.3 OAKLANDS PARK TRAIN VERIFIED BY: VINI SIGNED: TANDEL **GRADE SEPARATION** -Governmen CHECKED BY: TSHERING SIGNED DIAGONAL AND of South Australia PENJOR University of MORPHETT ROADS Department of Planning APPROVED BY: SIGNED Transport and Infrastructure South Australia

NOTES

GENERA

- DESIGN SPECIFIC PROJECT SCOPE & TECHNICAL REQUIREMENTS (PSTR), SECTION C DESIGN G1.
- G2. CONSTRUCTION SPECIFICATION - COMPLY WITH THE STANDARD DPTI MASTER SPECIFICATION & ANY PROJECT SPECIFICATION.
- G3. DESIGN STANDARD AUSTRALIAN BRIDGE DESIGN CODE ASS100-2004
- ALL DIMENSIONS ARE IN MILLIMETRES UNO. ALL LEVELS, CHAINAGES AND CO-ORDINATES ARE IN METRES UNO. G4. DIMENSION SHALL NOT BE SCALED FROM THE DRAWINGS.

G5. DI

DESIGN LOADINGS	
(I): ROAD TRAFFIC LOAD	: SM1600, FULL EXTENT OF DECK BETWEEN BARRIERS
FOOTPATH	: PEDESTRIAN LOAD TO AS 5100.2-2004
(II): EARTHQUAKE	: BRIDGE CLASSIFICATION: TYPE II
	a = 0.1
	s = 1.5
	I = 1.00

BFDC - 2 : MEDIUM PERFORMANCE LEVEL

- (III): BRIDGE BARRIERS
- UNO DENOTES UNLESS NOTED OTHERWISE G6
- ALL SERVICES ARE TO BE LOCATED & MARKED ON SITE PRIOR TO COMMENCEMENT OF WORKS. G7 G8. REFER TO THE DESIGN REPORT FOR DETAILS OF THE GEOTECHNICAL MODEL USED IN THE DESIGN

CONCRETE

C1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE SPECIFICATION AND AUSTRALIAN BRIDGE

DESIGN CODE AS5100-2004.

C2. EXPOSURE CLASSIFICATION: B1 (TYPICAL) CONCRETE CLASS AND COVER UNO. C3.

ELEMENT	CONCRETE GRADE	COVER TO REINFORCEMENT
PILES	S40	75
SUPER- T GIRDERS	S40	REFER SHT 0108
ABUTMENT	S40	40
DECK	S40	40 (TOP), 25 (BTM)
PRECAST BARRIERS	S40	40
KERBS & BARRIER STITCH POUR	S40	40

C4. ALL EXTERNAL AND RE-ENTRANT CORNERS TO HAVE 25 x 25 CHAMBER OR FILLETS UNO. C5.

IF ELEMENTS ARE CAST DIRECTLY AGAINST NATURAL GROUND (EXCEPT PILES) THE COVER LISTED IN C3 SHALL

BE INCREASED BY 30mm

C6. ALL EXPOSED SURFACES OF PRECAST BARRIER UNITS (INCLUDING THE LOWERED ROAD SIDE

SLIP FORMED BARRIERS, SHALL BE TREATED WITH ANTI GRAFFITI COATING AS PER THE SPECIFICATION. C7. ALL PRECAST BARRIER UNITS SHALL BE PLACED WITHIN A POSITIONAL TOLERANCE OF + or - 5mm DESIGN LOCATION.

ENVIRONMENTAL AND SUSTAINABLE NOTES

E1. WORKS TO BE ACCORDANCE WITH THE CONSTRUCTION ENVIRONMENT MANAGEMENT PLA

SOIL CONTAMINATION MAY BE PRESENT IN SOME AREAS. SPOIL WILL BE WASTE CLASSIFIED PRIOR TO REMOVAL E2. FROM SITE. EXCAVATION AND DISPOSAL OF MATERIALS ARE TO BE IN ACCORDANCE WITH THE EXCAVATION AND

DISPOSAL PLAN ISSUED FOR THE AREA OF WORKS. E3. VIBRATION LIMITS APPLY AT SENSITIVE LOCATIONS, INCLUDING AT STATE AND LOCAL HERITAGE PLACES AND OTHER NOMINATED SITES.

E4. DAMAGE TO TREES (INCLUDING ROOTS) SHALL BE MINIMISED AND NO TREE REMOVAL OR PRUNING SHALL BE CARRIED OUT WITHOUT ENVIRONMENT TEAM APPROVAL. TREES WILL BE IDENTIFIED ON DRAWINGS IN DESIGN PACKAGES 3A, 3B, &2C AND INCLUDE RETAINED HIGH VALUE TREES; NONDESTRUCTIVE EXCAVATION METHODS IN TREES SHALL BE CONSIDERED FOR THE AVOIDANCE OF ROOT THE TREE PROTECTION ZONE FOR HIGH VALUE DAMAGE

E5. ALL STORMWATER ENTRY POINTS IN THE VICINITY OF THE WORKS SHALL BE PROTECTED FROM DISCHARGE OF SEDIMENT-AFFECTED RUNOFF.

FROM THE

FACE0 AND

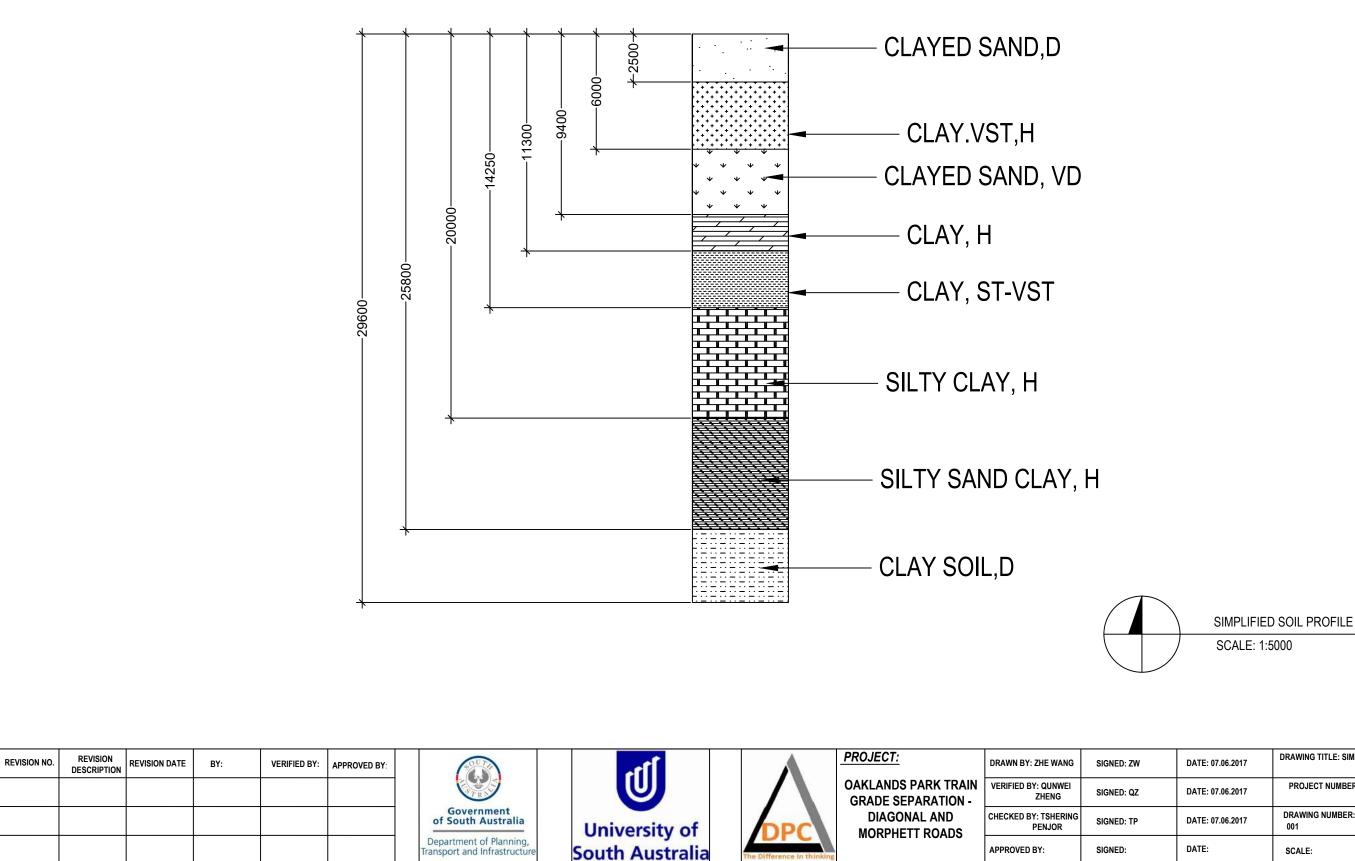
GNED: TP	DATE: 10.06.2017	DRAWING TITLE: CENTRE MEDIAN BARRIERS
D: VT	DATE: 10.06.2017	PROJECT NUMBER: 0617-001
D: TP	DATE: 10.06.2017	DRAWING NUMBER: REVISION: 000
D:	DATE:	SCALE: NTS

GEOTECHNICAL DEPARTMENT

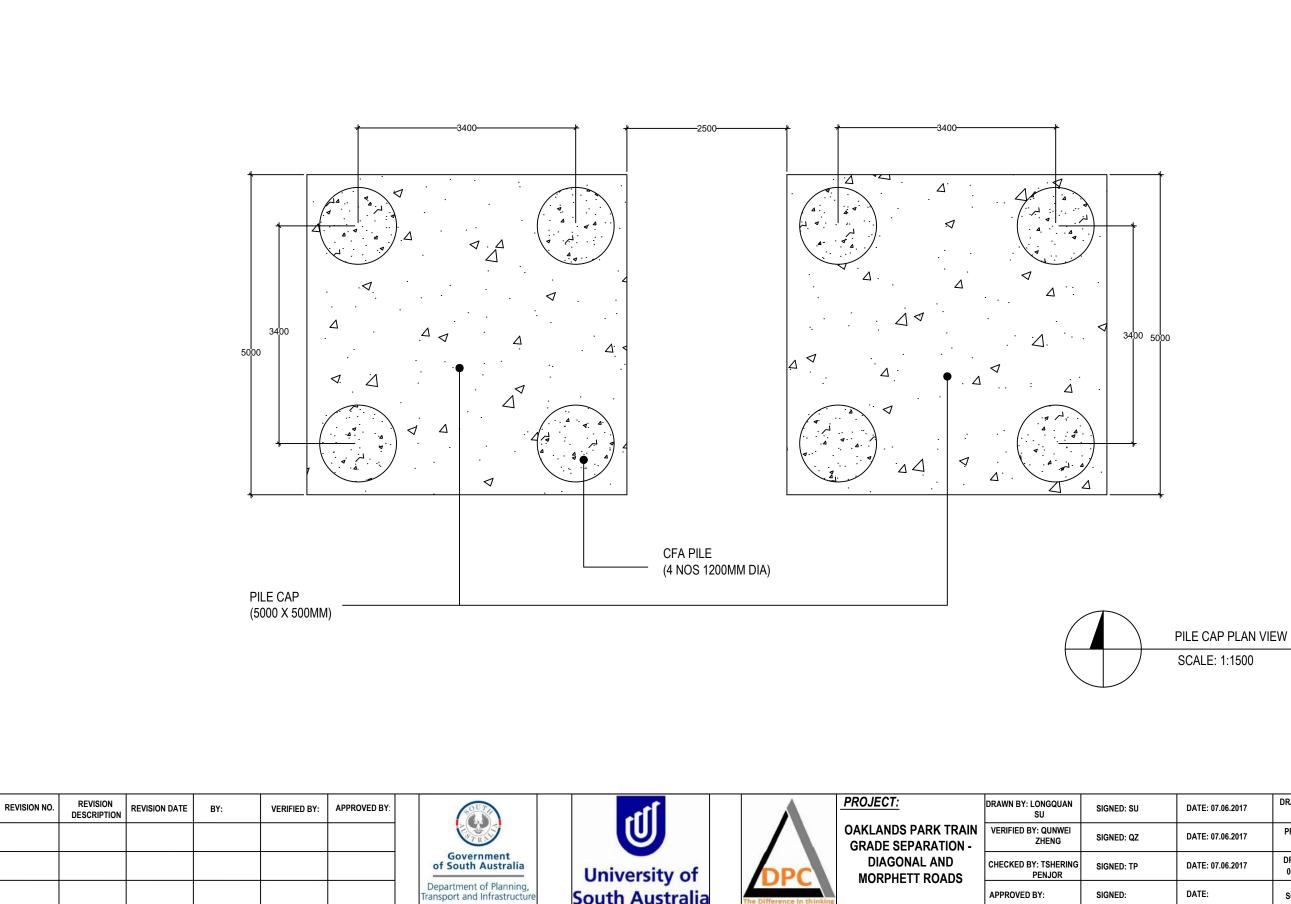
DRAWING NUMBER	NAME OF DRAWING	DRAWN BY
001	SIMPLIFIED SOIL PROFILE	ZHE WANG
002	PILE CAP PLAN VIEW	LONGQUAN SU
003	PILE CAP ELEVATION	QUNWEI ZHENG
004	RETAINING WALL FINAL DESIGN	JULIAN TANG
005	REINFORCEMENT DETAILS FOR RETAINING WALL	QUANG VINH HO
006	PAVEMENT DESIGN LAYERS	VINCENT WONG
007	BALLAST PROFILE	BIYAN DONG
008	PILE CAP TOP AND BOTTOM REINFORCEMENT	QUNWEI ZHENG
009	PILE REINFORCEMENT	QUNWEI ZHENG

REVISION NO.	REVISION DESCRIPTION	REVISION DATE	BY:	VERIFIED BY:	APPROVED BY:	(CUT	.eff		PROJECT:	DRAWN BY: ALL	SIGN
						A RANGE	U		OAKLANDS PARK TRAIN GRADE SEPARATION -	VERIFIED BY: QUNWEI ZHENG	SIGN
						Government of South Australia	University of	DPC		CHECKED BY: TSHERING PENJOR	SIGN
						Department of Planning, Transport and Infrastructure	South Australia	The Difference In thinking		APPROVED BY:	SIGN

GNED:	DATE: 07.06.2017	DRAWING TITLE: CONTEI	NT
GNED: QZ	DATE: 07.06.2017	PROJECT NUMBER:	0617-001
GNED: TP	DATE: 07.06.2017	DRAWING NUMBER: 000	REVISION:
GNED:	DATE:	SCALE: NTS	3



NED: ZW	DATE: 07.06.2017	DRAWING TITLE: SIMPLIFIED SOIL PROFILE	
NED: QZ	DATE: 07.06.2017	PROJECT NUMBER:	0617-001
NED: TP	DATE: 07.06.2017	DRAWING NUMBER: REVISION: 001	
NED:	DATE:	SCALE: AS	SHOWN

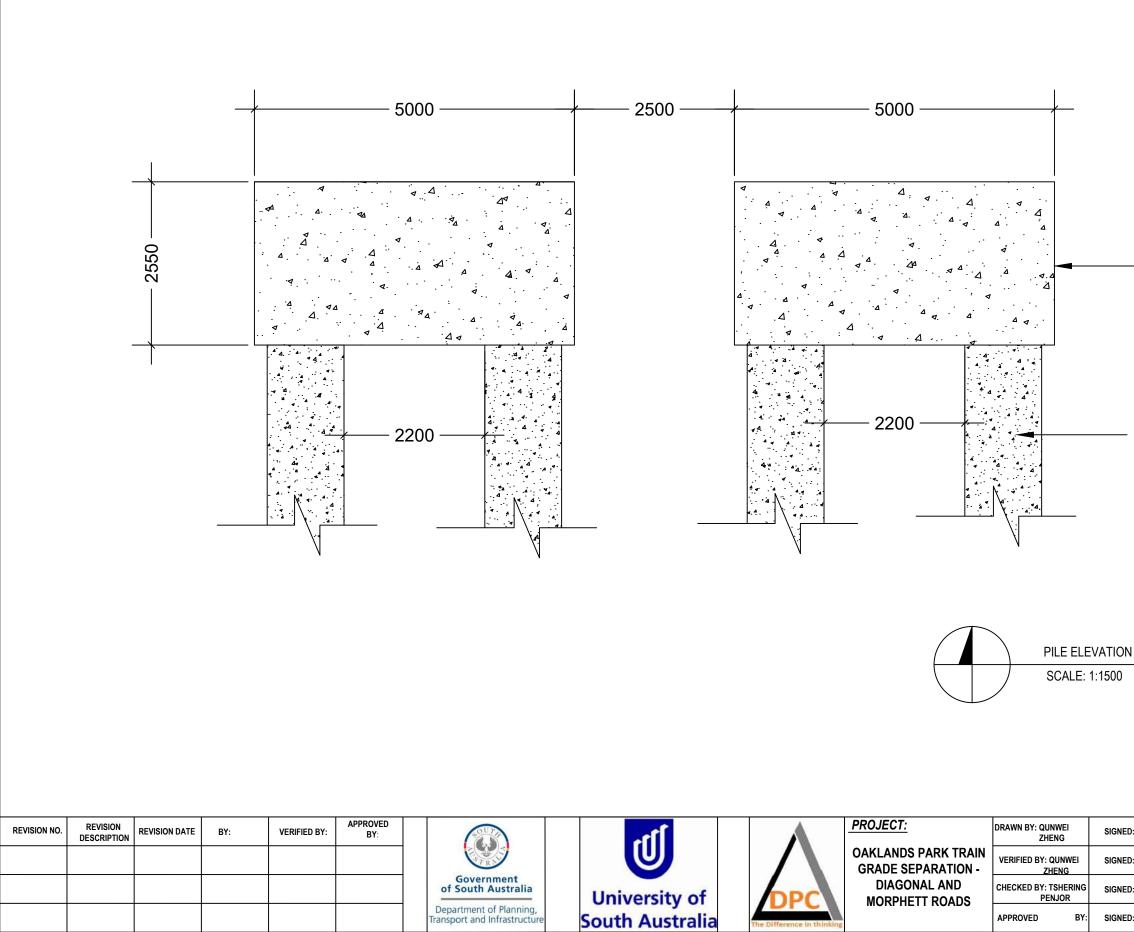


South Australia

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APPROVED BY:

SIGNED: SU	DATE: 07.06.2017	DRAWING TITLE: PILE CAP PLAN VIEW	
SIGNED: QZ	DATE: 07.06.2017	PROJECT NUMBER:	0617-001
SIGNED: TP	DATE: 07.06.2017	DRAWING NUMBER: 002	REVISION:
SIGNED:	DATE:	SCALE: AS	SHOWN

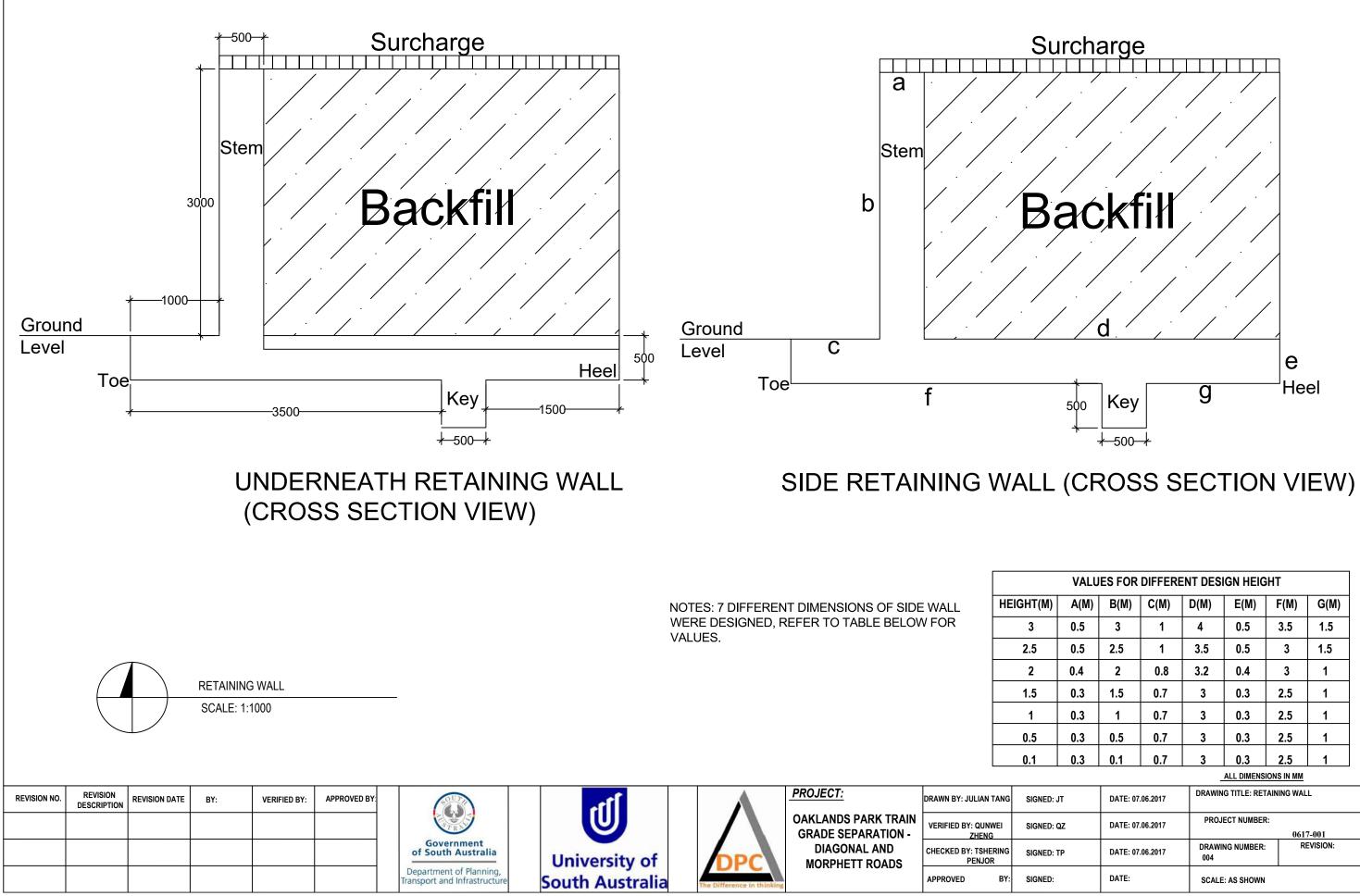


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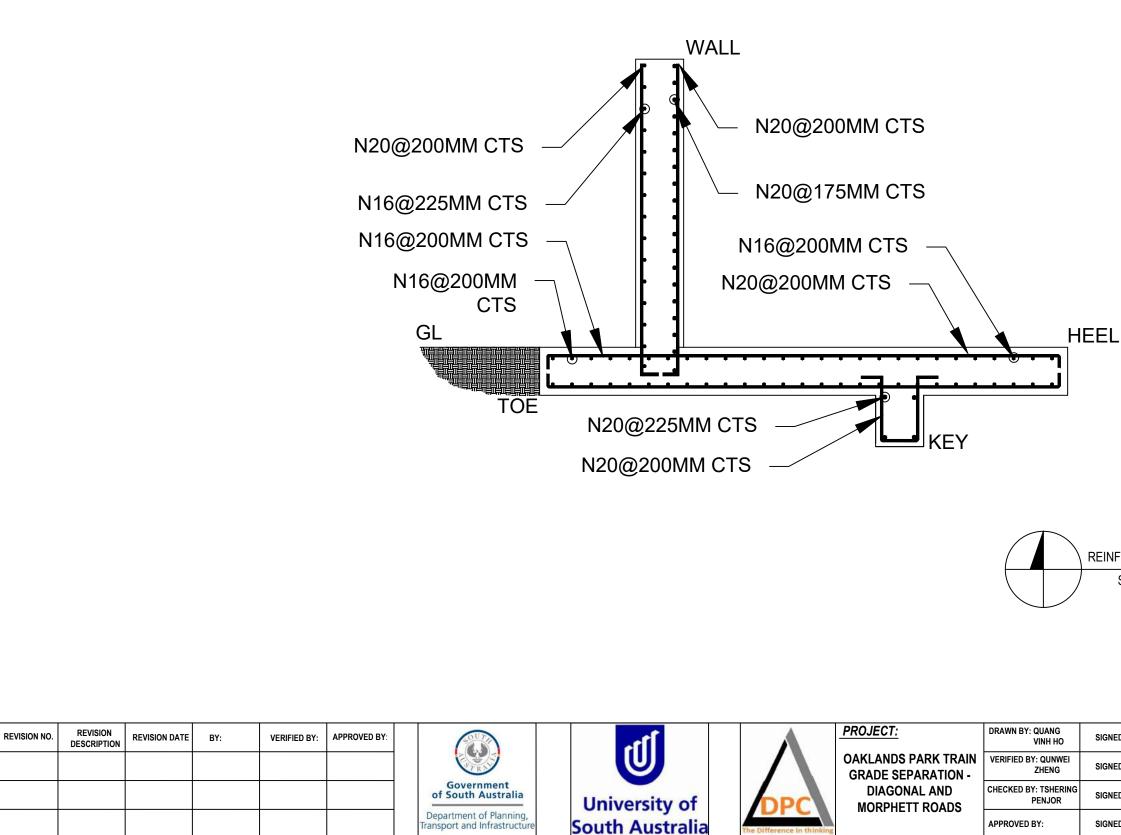
PILE CAP 5000 X 5000MM **40MPA CONCRTE**

1200MM DIA PILE, 20000MM DEPTH (40 MPA CONCRETE)

NED: QZ	DATE: 07.06.2017	DRAWING TITLE: PILE ELEVATION	
NED: QZ	DATE: 07.06.2017	PROJECT NUMBER: 0617-001	
NED: TP	DATE: 07.06.2017	DRAWING NUMBER: 003	REVISION:
NED:	DATE:	SCALE: AS SHOWN	



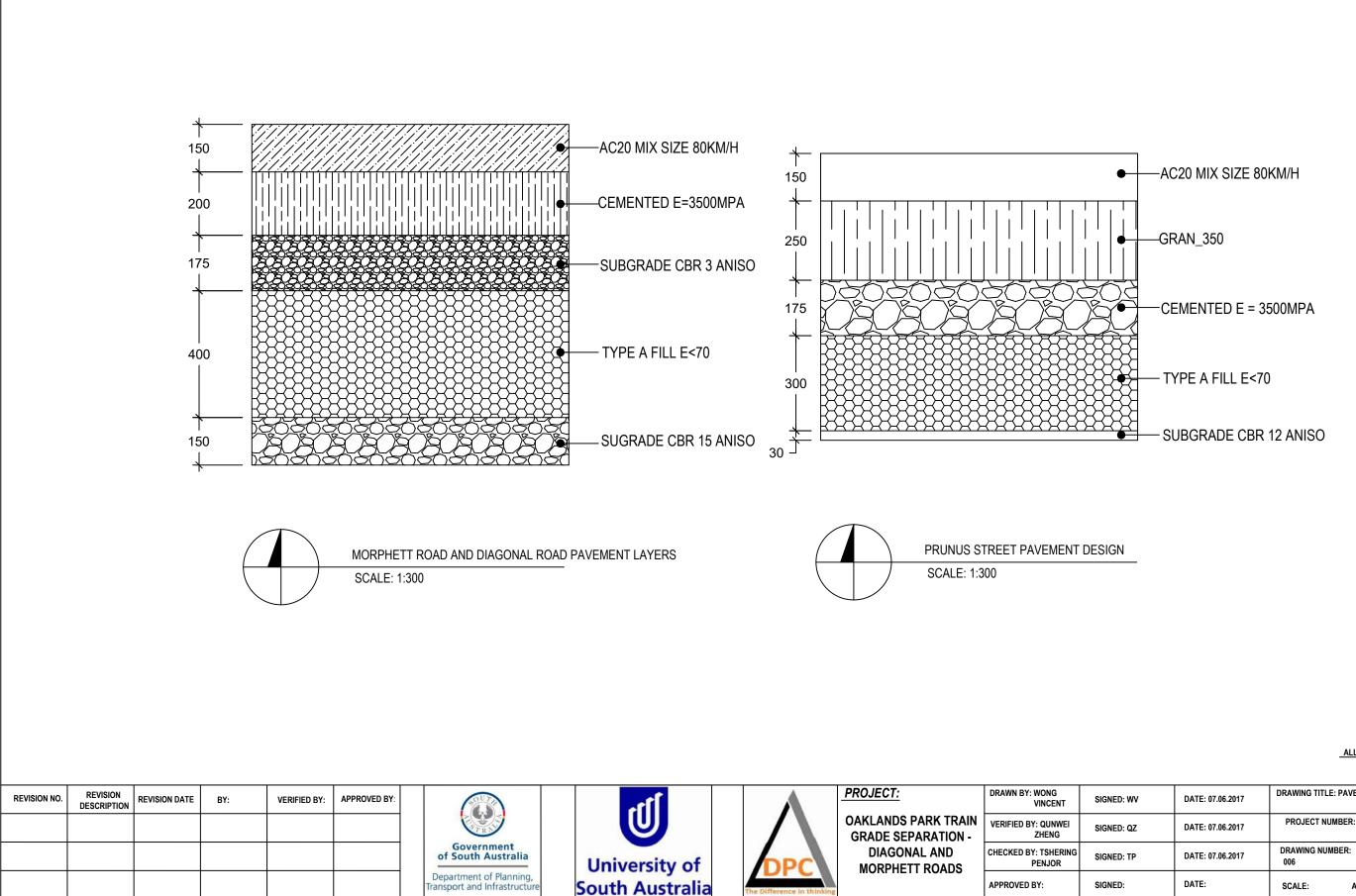
VALUES FOR DIFFERENT DESIGN HEIGHT							
(M)	A(M)	B(M)	C(M)	D(M)	E(M)	F(M)	G(M)
	0.5	3	1	4	0.5	3.5	1.5
	0.5	2.5	1	3.5	0.5	3	1.5
	0.4	2	0.8	3.2	0.4	3	1
	0.3	1.5	0.7	3	0.3	2.5	1
	0.3	1	0.7	3	0.3	2.5	1
	0.3	0.5	0.7	3	0.3	2.5	1
	0.3	0.1	0.7	3	0.3	2.5	1
				-	ALL DIMENS	IONS IN MM	
NED: .	JT	DATE: 07	.06.2017	DRAWIN	G TITLE: RET	AINING WAL	L
NED: QZ DATE: 07.06.2017			PROJ	PROJECT NUMBER: 0617-001			
NED: TP DATE: 07.06.2017		DRAWI 004	NG NUMBER:		EVISION:		
NED:		DATE:		SCALE	: AS SHOWN	•	



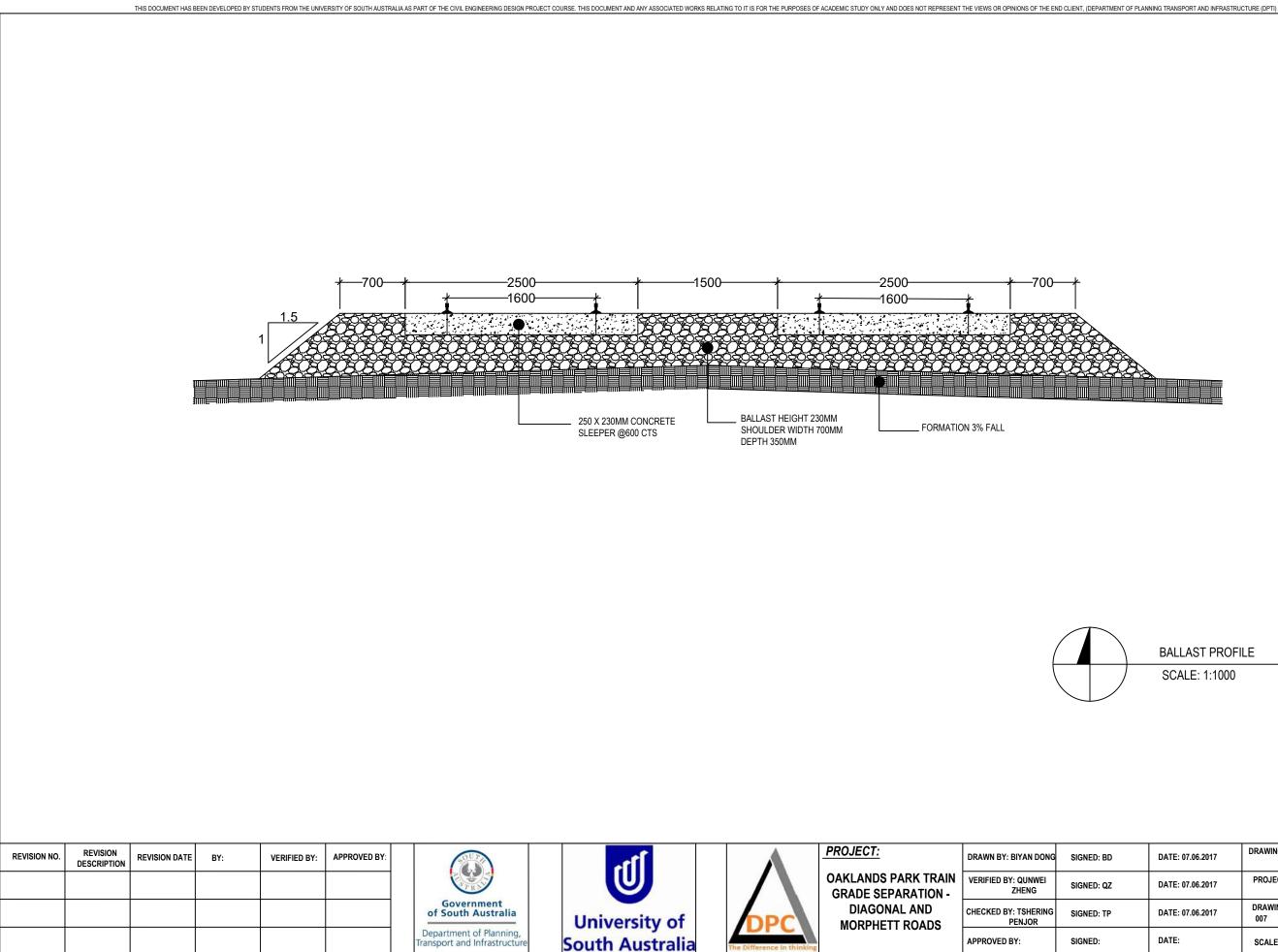
REINFORCEMENT DETAILS FOR RETAINING WALL

SCALE: 1:1000

NED: QVH	DATE: 07.06.2017	DRAWING TITLE: REINFORCEMENT DETAILS RETAINING WALL	
NED: QZ	DATE: 07.06.2017	PROJECT NUMBER:	
			0617-001
NED: TP	DATE: 07.06.2017	DRAWING NUMBER: REVISION: 005	
NED:	DATE:	SCALE: AS	SHOWN

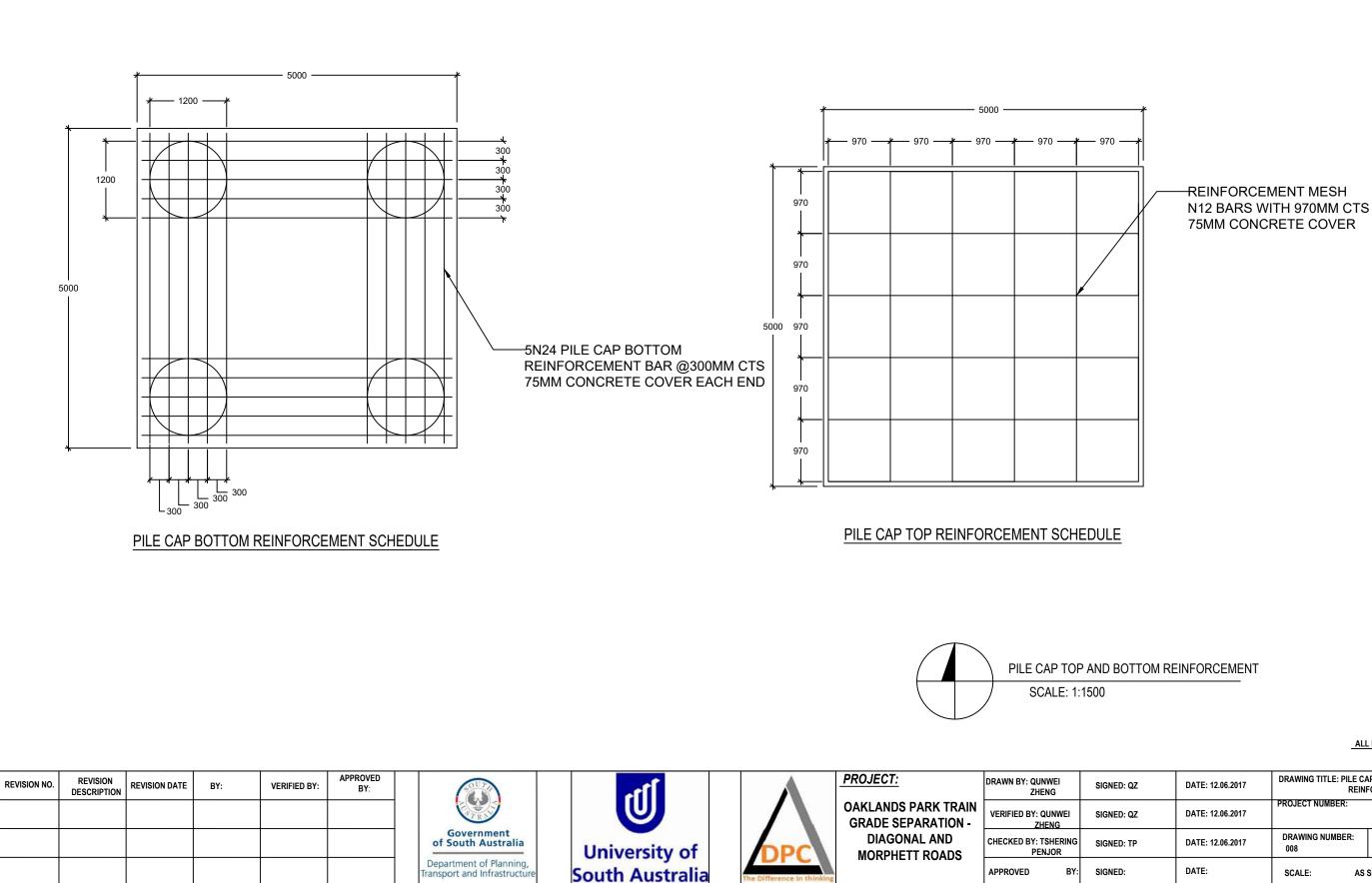


NED: WV	DATE: 07.06.2017	DRAWING TITLE: PAVEMENT LAYERS	
NED: QZ	DATE: 07.06.2017	PROJECT NUMBER:	0617-001
NED: TP	DATE: 07.06.2017	DRAWING NUMBER: 006	REVISION:
NED:	DATE:	SCALE: AS	SHOWN



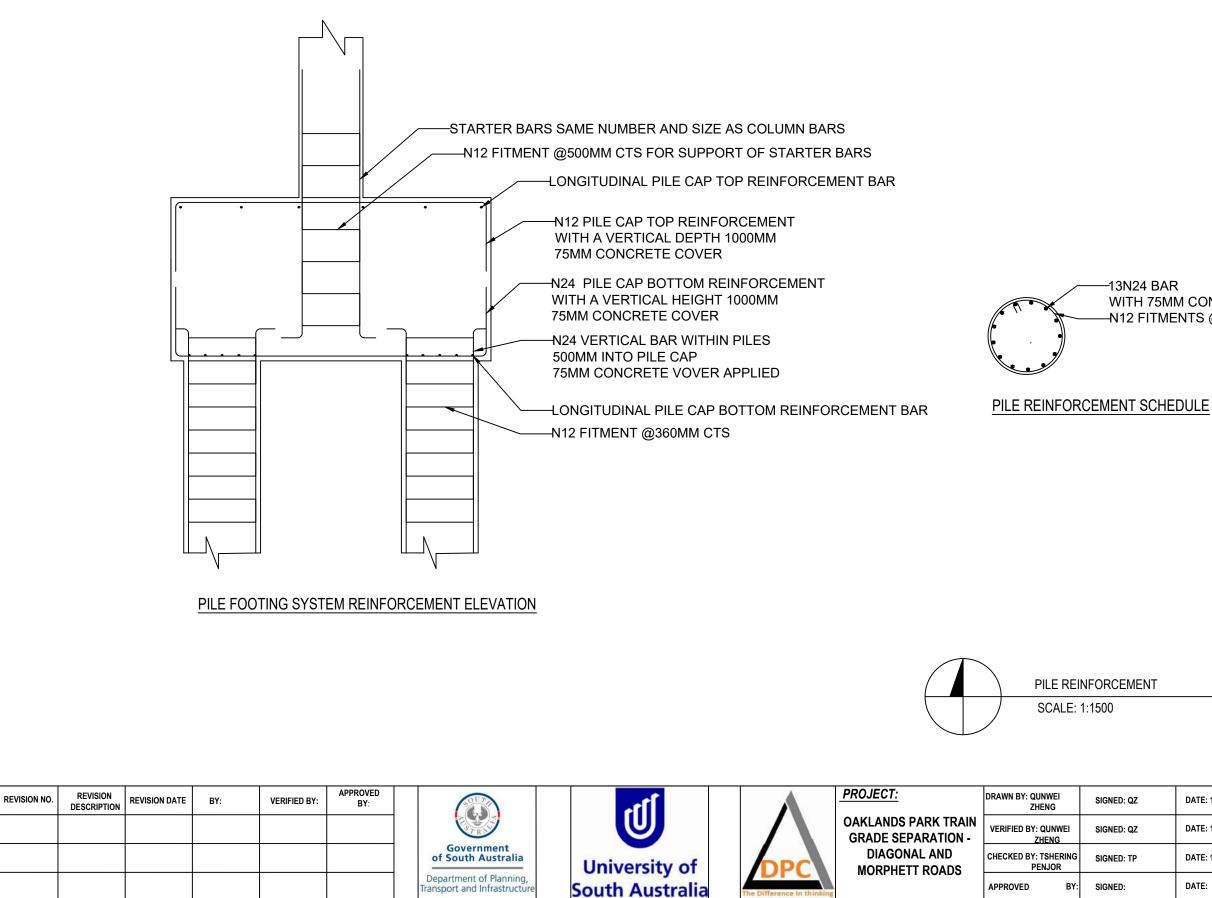
BALLAST PROFILE

NED: BD	DATE: 07.06.2017	DRAWING TITLE: BALLAST PROFILE	
NED: QZ	DATE: 07.06.2017	PROJECT NUMBER:	0617-001
NED: TP	DATE: 07.06.2017	DRAWING NUMBER: 007	REVISION:
NED:	DATE:	SCALE: AS	SHOWN



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NED: QZ	DATE: 12.06.2017	DRAWING TITLE: PILE CAP TOP AND BOTTOM REINFORCEMENT	
NED: QZ	DATE: 12.06.2017	PROJECT NUMBER: 0617-001	
NED: TP	DATE: 12.06.2017	DRAWING NUMBER: 008	REVISION:
NED:	DATE:	SCALE: AS	SHOWN



-13N24 BAR WITH 75MM CONCRETE COVER -N12 FITMENTS @360MM CTS

NED: QZ	DATE: 12.06.2017	DRAWING TITLE: PILE REINFORCEMENT	
NED: QZ	DATE: 12.06.2017	PROJECT NUMBER: 0617-001	
NED: TP	DATE: 12.06.2017	DRAWING NUMBER: 09	REVISION:
NED:	DATE:	SCALE: AS SHOWN	