6-8 MALTON ROAD, BEECROFT NSW 2119 PUBLIC DOMAIN - CIVIL WORKS PACKAGE

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LOCALITY PLAN



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PROJE	ECT	
6- Pl	8 MALTON ROA JBLIC DOMAIN PACKA	AD, BEECROFT - CIVIL WORKS AGE
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	PROJECTS	PTY LTD
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1. GENERAL NOTES

1. GENERAL NOTES 1. DIMENSIONS ON PLANS & SECTIONS SHOWN IN METRES AND DIMENSIONS ON DETAILS SHOWN IN MILLIMETRES U.N.O. 2. ALL EVELS ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D.). CIVIL WORKS SHALL BE DESIGNED AND CONSTRUCTED (BUT NOT LIMITED TO JIN ACCORDANCE WITH THE FOLLOWING AUSTRALIAN STANDARDS:

AS 1289 METHODS OF TESTING SOILS FOR ENGINEERING PURPOSES AS 3798 GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND

- RESIDENTIAL DEVELOPMENTS AUSTROADS GUIDE TO TRAFFIC ENGINEERING PRACTICE AS 2890.1 2004 PARKING FACILITIES - OFF STREET PARKING AS 1348 GLOSSARY OF TERMS ROADS AND TRAFFIC ENGINEERING
- AS 3600 CONCRETE STRUCTURES AS 3500 NATIONAL PLUMBING AND DRAINAGE CODE
- AS 4678 FARTH RETAINING STRUCTURES

WORK SHALL BE IN ACCORDANCE WITH PROJECT SPECIFICATIONS. UNI ESS NOTED OTHERWISE 0. IF EXISTING SITE CONDITIONS DIFFER FROM THE DESIGN PARAMETERS. TEKCIVIL SHALL BE NOTIFIED IMMEDIATELY. TEKCIVIL SHALL

VERIEY AND APPROVE THE WORKS PRIOR TO CONSTRUCTION

 ALL MATERIALS SHALL COMPLY WITH WHAT IS SHOWN ON THE PROJECT DRAWINGS AND IN THE PROJECT SPECIFICATIONS. THE CONTRACTOR SHALL VERIEV THE LOCATIONS OF ALL EXISTING SERVICES WITH ALL RELEVANT SERVICE ALTHORITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, A COPY OF THE LOCATIONS OF THE EXISTING SERVICES IS TO BE PROVIDED TO THE SUPERINTENDENT BY THE SERVICES ENGINEER. CONTRACTOR TO NOTIFY SUPERINTENDENT OF

ANY POTENTIAL CLASHES. THE CONTRACTOR SHALL VERIEV OFFSET PEGS AND RENCHMARK

ANY POTENTIAL CLASHES. THE CONTRACTOR SHUPLY OFFSET PEGS AND BENCHMARK IT DE COMMENCING CONSTRUCTION. TO SAVE DESCRIPTION OF ANY DISCREPANCY PRIOR TO COMMENCING CONSTRUCTION. TO THE CONTRACTOR SHALL VERITY THE EXSTING TO RES, AND ADVISE THE NEW WORKS ARE TO JOINT OE NISTING WORKS, AND ADVISE THE SUPERINTENDENT OF ANY DISCREPANCY PRIOR TO COMMENCING COMMENCING CONSTRUCTION STRUCTION. TO ADVISE THE SAVE TO ADVISE THE ALL TIMES, SUPERINTENDENCE COMPTON OF OPPROVED TRAININGS AND ANY APPROVAL CONDITIONS AND TO EXISTING WORKS, AND ANY APPROVAL TO ADVISE ANY ATTIMES AND ADVISE AND ANY APPROVAL TO EXOLUTION SUPERIOR AND ANY APPROVAL TO EXOLUTION SUPERIOR AND ANY APPROVAL TO EXOLUTION THE EXISTING WORKS, AND ANY APPROVAL TO EXOLUTION THE SUPERIOR AND ANY APPROVAL TO EXOLUTION TO ANY SUBLY DISPLAY THE CONTRACTORS AND AND CONTACT DETAILS FOR COMPLIANT RESPONSE. AND CONTACT DETAILS FOR EMERGENCY CONTACT. ANY SIGNAGE SHALL BE ERECTED IN ACCORDANCE WITH RELEVANT ALTORYTH RELIGNATIONS AND ANY APPROVAL SUPERIOR AND ANY APPROVALING AND ANY APPROVAL SUPERIOR AND ANY APPROVALING AND ANY APPROVAL SUPERIOR AND ANY APPROVALING AND ANY APPROVAL TO EXOLUTION AND ANY APPROVALING AND ANY APPROVAL TO EXOLUTION AND ANY APPROVALING AND ANY APPROVAL TO EXOLUTION AND ANY APPROVALING AND ANY APPROVALING AND ANY APPROVALING TO EXOLUTION AN

THE SPECIFICATIONS. 14. EROSION AND SEDIMENT CONTROL MEASURES AND WATER MANAGEMENT WORKS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE LANDCOM - MANAGING URBAN STORMWATER: SOIL AND

CONSTRUCTION 4th EDITION MARCH 2004 GUIDELINES

SURVEY THE SURVEY INFORMATION USED IN THESE PLANS HAVE BEEN OBTAINED FROM BEE & LETHBRIDGE PTY LTD – CONSULTING SURVEYORS REFERENCE: DRAWING NO. 20048D (15/03/2019).

EXISTING SERVICES 1. THE LOCATIONS OF UNDERGROUND SERVICES SHOWN IN THIS SET OF DRAWINGS HAVE BEEN PLOTTED FROM SURVEY INFORMATION ONLY. THE SERVICE INFORMATION HAS BEEN PREPARED ONLY TO SHOW THE

WITHIN FOOTPATH AREAS. 4. CONTRACTORS ARE TO CONTRACT THE RELEVANT SERVICE AUTHORITY PRIOR TO COMMENCEMENT OF EXCAVATION WORKS INCLUDING:

- JEMENA

AUSGRID PIPE NETWORKS ENERGY AUSTRALIA

- HORNSBY SHIRE COUNCIL
- SYDNEY WATER TELSTRA AND OPTUS

CONTRACTORS ARE TO UNDERTAKE A SERVICE SEARCH PRIOR TO COMMENCEMENT OF WORKS ON SITE. SEARCH RESULTS ARE TO BE KEPT ON SITE AT ALL TIMES. SITE AT ALL TIMES. WHERE SERVICES PROTECTION IS REQUIRED, THE CONTRACTOR IS

TO NOTIEV THE SITE SUPERINTENDENT WHO WILL REQUEST ADVICE FROM TEKCIVIL OR OTHERS.

EARTHWORKS

ORIGIN OF LEVELS: REFER SURVEY NOTES. EARTHWORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH

STRIP ALL TOPSOIL / ORGANIC MATERIAL FROM CONSTRUCTION AREAS AND STOCKPILE ON SITE TO BE USED LATER SPREAD OR REMOVED FROM SITE AS DIRECTED BY THE SUPERINTENDENT.

EXCAVATED MATERIAL TO BE USED AS STRUCTURAL FILL PROVIDED THE PLACEMENT MOISTURE CONTENT OF THE FILL IS +/- 2% OF THE OPTIMUM MOISTURE CONTEN

COMPACT IMPORTED FILL AREAS AND SUBGRADE TO NOT LESS

LOCATION	STANDARD MAXIMUM
	DRY DENSITY (SMDD)
	(AS1289)

UNDER BUILDINGS ON GROUND 100% UNDER ROADS AND CAR PARKS 100% LANDSCAPED AREAS 85%

6. FOR NON-COHESIVE MATERIAL COMPACT TO EQUIVALENT DENSITY BEFORE PLACING FILL, PROOF ROLL EXPOSED SURFACE WITH A 10

TONNE MINIMUM ROLLER TO DETECT AND THEN REMOVE ANY SOFT SPOTS (AREAS WITH MORE THAN 2MM INDENT OR MOVEMENT UNDER THE

IF ANY SOFT OR UNSUITABLE SUBGRADE MATERIAL IS FOUND. THEN

THESE SHOULD BE LOCALLY EXCAVATED TO A SOUND BASE AND REPLACED WITH SELECT FILL AND COMPACTED IN LAYERS TO ACHIEVE THE DESIGN SUBGRADE DENSITY. 9. SELECT FILL SHALL CONSIST OF WELL GRADED GRANULAR MATERIAL AND HAVING A MAXIMUM PARTICLE SIZE OF 75mm AND A LOW

PLASTICITY INDEX LESS THAN 15%. 10 FREQUENCY OF COMPACTION TESTING SHALL BE NOT LESS THAN: 1 TEST PER 500M3/ OF FILL PLACED PER 200mm LAYER OF FILL. B. 1 TEST PER 2500M2/ OF EXPOSED SURFACE.

FILLING TO BE PLACED AND COMPACTED IN LAYERS NOT EXCEEDING

NO FILLING SHALL TAKE PLACE TO EXPOSED SUBGRADE LINTIL THE 12. NO FILLING SHALL TARE PLACE TO EXPOSED SUBGRADE ON AREA HAS BEEN PROOF ROLLED IN THE PRESENCE OF THE GEOTECHNICAL AND DESIGN ENGINEER AND APPROVAL GIVEN IN WRITING THAT FILLING CAN PROCEED

SITEWORKS: 2 CONTRACTOR MUST VERIEVALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK ANY DISCREPANCIES TO BE REPORTED TO THE SUPERINTENDENT

MAKE SMOOTH CONNECTION WITH EXISTING WORKS ALL SERVICE TRENCHES UNDER VEHICULAR PAYMENTS SHALL BE BACKFILLED WITH SAND OR AN APPROVED GRANULAR MATERIAL AND COMPACTED TO MINIMUM 98% STANDARD DENSITY IN ACCORDANCE WITH AS1289 5 1 1

PROVIDE 10mm WIDE EXPANSION IOINTS BETWEEN BUILDINGS AND ALL CONCRETE OR UNIT PAVEMENTS

ALL CONCRETE OR UNIT PAVEMENTS. 6. ASPHATIC CONCRETE SHALL CONFORM TO RMS FORM R116. 7. ALL BASECOURSE MATERIAL SHALL BE IGNEOUS ROCK QUARRIED MATERIAL TO COMPLY WITH RMS FORM 3051 (UNBOUND), RMS FORM 3052 (BOUND) COMPACT TO MINIMUM 89% MODIFIED DENSITY IN ACCORDANCE

IEOUNDICOMPACT TO IMINIUM BISH MODIFIED DENETTY IN ACCORDANCE WITH ASIZBAS 2: THEROLIENCY OF COMPACITON TEST SHALL NOT BE LESS THAN I TEST PER 20m3/OF BASECOURSE MATERIAL PLACED. 8. ALL SUB BASE COURSE MATERIAL SHALL BE OLVARIED MATERIAL TO COMPLY WITH RMS FORM 3051 AND COMPACTED TO IMINIUM 95% MODIFIED DENITY IN ACCORDANCE WITH ASIZBAS 2:1. 9. THE CONTRACTORS IS TO ASCERTIAN ALL AFFECTED SERVICES AND ALLOW FOR THE RELOCATION AND CA BULDSTMENTS INCLUDING PITS , VALVES, PLLARS, POLES ETC. WALVES, PLLARS, POLES ETC. WALVES, PLLARS, POLES ETC.

STORMWATER SUBSOIL:

1. PROVIDE FLUSHING POINTS ON SUBSOIL DRAINAGE PIPES AT 30m CENTRES, SIGNIFICANT CHANGES IN DIRECTION AND AT THE END OF PIPES

2. AT EACH PIT, INSTALL 3.0m LENGTH OF 100DN SUBSOIL DRAINAGE PIPE WRAPPED IN GEOTEXTILE FABRIC SOCK TO UPSTREAM OF PIT.

KERBS

ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENGTH OF

 ALL CONCRETE TO HAVE A MINIMUM COMPRESSIVE STRENSTH OF Mark LLCS Mark LLCS Mark LLCS CONSTRUCTED CON 150mm GRANILAR BASECOURSE COMPACTED TO 98% MAXIMUM MCONTED DRY OBSTYLY (452385.2.1) 3. EVPANSION JOINTS (E.) TO BE FORMED 10mm COMPRESSIBLE ABLE EXC OR SIMILAR POR THE FULL DEPTH OF THE SECTION AND CUT TO THEX OR SIMILAR POR THE FULL DEPTH OF THE SECTION AND CUT TO PROFILE EXPANSION JOINTS TO BE LOCATED AT DRAINAGE PITS. ON TANGENT POINTS OF CURVES AND ELSEWHERE AT MAX 6M CENTRES. 4. WEAKENED PLANE JOINTS TO BE MIN 3mm WIDE AND LOCATED 3n

CENTRE EXCEPT FOR INTEGRAL KERBS WHERE THE WEAKENED PLANE IOINTS ARE TO MATCH THE JOINTS LOCATIONS IN THE SLARS

 BROOMED FINISH TO ALL RAMPED AND VEHICULAR CROSSINGS. ALL OTHER KERBING OR DISH DRAINS TO BE STEEL FLOATED FINISH. EXISTING KERB AND GUTTERING IS TO BE COMPLETELY REMOVED WHERE NEW KERB AND GUTTERING IS SHOWN

PAVEMENTS

PAVEMENT 3 GENERAL 1. THESE NOTES SHALL BE READ IN CONJUNCTION WITH: A. GENERAL NOTES AND DISCLAMERS FOR THE PROJECT B. ROADWORKS NOTES FOR THE PROJECT

PAVEMENT SHALL BE BOXED OUT TO THE DEPTHS HAS SHOWN ON 2. PARLIMENT DRAWINGS, AND SUBGRADE TESTING IS TO BE UNDERTAKEN. SUBGRADE TESTING RESULTS ARE TO BE FORWARDED TO THE SUPERINTENDENT FOR DETERMINATION OF FINAL PAVEMENT DEPTH. PAVEMENT CONSTRUCTION IS TO HOLD UNTIL FINAL PAVEMENT DEPTH HAS BEEN DETERMINED BY THE ENGINEER, AND APPROVED BY THE RELEVANT AUTHORITY. 3. THE PAVEMENT SUBGRADE SHALL EXTEND 100mm MINIMUM BELOW,

AND 150mm BEHIND THE REAR OR ANY KERB / KERB AND GUTTER ON ALL PAVEMENTS A CALIFORNIA BEARING RATIO (CBR) OF 4.0% HAS BEEN ADOPTED

FOR THE PAVEMENT DESIGN. 5. ALL NEW WORK SHALL NEATLY JOIN TO AND MATCH EXISTING WORK.

PEDESTRIAN PAVEMENTS: ALL PEDESTRIAN PAVEMENTS ARE TO BE JOINTED AS FOLLOWS

UNO. EXPANSION JOINTS ARE TO BE LOCATED WHERE POSSIBLE AT

TANGENTS TO CURVES AND ELSEWHERE AT MAXIMUM 6m CENTRES WEAKENED PLANE JOINTS, TOOLED JOINTS OR SAWN JOINTS ARE TO BE LOCATED AT MAXIMUM SPACING OF 1.5 TIMES THE WIDTH OF THE PAVEMENT

WHERE POSSIBLE JOINTS SHALL BE LOCATED TO MATCH KERBING AND / OR AD IACENT PAVEMENTS

MATERIAL REQUIREMENTS FOR PAVEMENT WHICH WILL BE BITUMEN

SURFACED BASE AND SUB-BASE PAVEMENT COURSE SHALL MEET THE REQUIREMENTS OF NSW RMS SPECIFICATION No.3051 (BASE AND SUB-BASE MATERIALS FOR SURFACED ROAD PAVEMENTS)

IN REFERENCE TO SPECIFICATION No.3051, THE FOLLOWING ADDITIONAL INFORMATION IS PROVIDED:

THE BASE COURSE SHALL BE DGB20 AND SUB-BASE COURSE SHALL BE DGS40 UNO. SOAKED CBR FOR DGS40 SUB-BASE MATERIAL SHALL BE

MINIMUM 30% (IN ACCORDANCE WITH RMS TEST METHOD T

RESPONSIBILITY FOR PREPARATION OF ANY STOCKPILE SITE RESTS WITH THE CONTRACTOR

PREPARATION OF SELECTED SUBGRADE LAYER THE SELECTED SUBGRADE LAYER IS DEFINED AS THE UPPER 300mm OF THE FORMATION UPON WHICH THE ROAD PAVEMENT IS TO BE CONSTRUCTED. THE UPPER SURFACE OF THE SUBGRADE LAYER IS DEFINED AS THE DESIGN SUBGRADE LEVEL.

2. THE SELECTED SUBGRADE LAYER SHALL BE FREE FROM ALL POCKETS OF SOFT COMPRESSIBLE MATERIAL, FREE FROM STONE WITH A MAXIMUM DIMENSION LARGER THAN 50mm, AND HAVE A MINIMUM SOAKED CBR AS SPECIFIED ON DRAWINGS

THE DETAILS OF AGGREGATE PRECOATING.
 THE DESIGN SUBMISSION SHALL BE IN AN APPROVED ELECTRONIC
FILE FORMAT. REVIEW BY THE SUPERINTENDENT OF THE DESIGN WILL

NOT RELIEVE THE CONTRACTOR OF ANY OF ITS DESIGN RESPONSIBILITY

CONCRETE 1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3600 CURRENT EDITION WITH AMENDMENTS, EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.

1. ALL REQUIREMENTS OF THE CURRENT ACSE CONCRETE SPECIFICATION DOCUMENT 1 SHALL APPLY TO THE FORM WORK AND CONCRETE UNLESS NOTED OTHERWISE.

60 80 20 20

2. NO ADMIXTURES SHALL BE USED IN CONCRETE UNLESS APPROVED IN WRITING.

CLEAR CONCRETE COVER TO ALL REINFORCEMENTS FOR

UNLESS NOTED OTHERWISE. 4. ALL REINFORCEMENTS SHALL BE FIRMLY SUPPORTED ON MILD

STEEL PLASTIC TIPPED CHAIRS. PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1m CENTRE BOTH WAYS BARS SHALL BE TIED AT

ALTERNATE INTERSECTIONS. 5. THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS. COMPLETELY FILLID C THE FORWWORK, THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. ALL CONCRETE INCLUDING SLABS ON GROUND SHALL BE COMPACTED AND CURED IN

REINFORCEMENT SYMBOLS S DENOTES GRADE 230 S HOT ROLLED DEFORMED BARS TO

DENOTES 230 R HOT ROLLED PLAN BARS TO AS1302 DENOTES HARD-DRAWN WIRE REINFORCING FABRIC TO

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FOR CONSTRUCTION

CERTIFICATE APPROVAL

6-8 MALTON ROAD, BEECROFT

PUBLIC DOMAIN - CIVIL WORKS

PACKAGE

BELVEDERE

PROJECTS PTY LTD

140 WILLIAM STREET

EAST SYDNEY, NSW, 2010

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GENERAL NOTES

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DENOTES GRADE 450 N BARS TO AS1302 GRADE N

DENOTES HARD-DRAWN PLAN WIRE TO AS1303

THERADE
 T

ELEMENTAS 3600 F'C SPECIFIED NOMINAL AGG. MPA AT 28 SLUMP SIZE

CEMENT TYPE SHALL BE (ACSE SPECIFICATION) TYPE SL. PROJECT CONTROL TESTING SHALL BE CARRIED OUT IN ACCORDANCE WITH AS1379, CLAUSE B7.

DAYS

ACCORDANCE WITH RMS SPECIFICATIONS R83

CONCRETE OUALITY

VEHICULAR BASE 32 KERBS, PATHS, PITS 25 AND DRIVEWAYS

AS1302

451304

W DENOTE EG 17N20-250

CBR AS SPECIFIED ON DRAWINGS. 3. ANY UNSUITABLE LAYER SHALL BE COMPACTED TO A FIELD DRY DENSITY OF NOT LESS THAN 100% AS DETERMINED IN ACCORDANCE WITH RMS TEST WITHON THI1 - STANDARD COMPACTION (FOR A COHESNY SOIL) OR A MINIMUM DENSITY INDEX OF 80% WHEN TESTED IN ACCORDANCE WITH AS 1289.5.6.1 (FOR A COHESIVE LESS SOIL) TESTS FOR COMPACTION OF SELECTED SUBGRADE LAYER SHALL BE

CARRIED OUT BY THE CONTRACTOR AT LOCATIONS APPROVED BY SUPERINTENDENT

PLACEMENT OF PAVEMENT MATERIALS 1. THE PAVEMENT SHALL BE CONSTRUCTED TO THE THICKNESS AS SHOWN ON THE DRAWINGS, PAVEMENT COURSES LESS THAN 150mm IN SHOWN ON THE DRAWINGS. PAVEMENT COURSES LESS THAN 150mm IN COMPACTED THICKNESS SHALL BE SPREAD AND COMPACTED IN TWO OR MORE LAYERS OF NOT LESS THAN 75mm OR MORE THAN 150mm IN COMPACTED THICKNESS

NOT EXCEEDING ITS OPTIMUM MOISTURE CONTENT

NOT EXCREDING ITS OPTIMUM MOISTURE CONTENT. 6. WHERE THE MOISTURE CONTENT OF PAVEMENT MATERIAL IS INSUFFICIENT, WATER SHALL BE ADDED BY APPROVED WATERING EQUIPMENT AND SHALL BE MIXED UNIFORMLY WITH THE MATERIAL BY AN ADDRDUCT DECLANIDAL DECISION APPROVED MECHANICAL DEVICE. 7. WHERE THERE IS EXCESS MOISTURE IN THE PAVEMENT MATERIAL,

T SHALL BE DRIED TO THE REQUIRED MOISTURE CONTENT BY LOOSENING AND AERATING

COMPACTION OF PAVEMENT MATERIALS

AS APPLICABLE.

CUDEDINITENDEN

THF DRAWINGS.

BITUMEN SURFACING

NSW RMS SPECIFICATION No 3261

SUITABLE GRADE OF CUTBACK BITUME

AS EACH LAYER IS BROUGHT TO ITS OPTIMUM MOISTURE CONTENT. IT SHALL BE IMMEDIATELY COMPACTED BY ROLLING

COMPACTION SHALL BE CARRIED OUT USING APPROVED EQUIPMENT OF ADEQUATE CAPACITY TO ACHIEVE THE DEGREE OF COMPACTION SPECIFIED

ANY DEFICIENCIES MADE BY THE SINKING OF THE COMPACTOR WHEN COMPACTING MATERIAL SHALL AT ONCE BE MADE GOOD BY

SCARIFYING THE SURFACE AND ADDING ADDITIONAL MATERIAL AT THE CONTRACTOR 'S EXPENSE TRACTOR 'S EXPENSE. ON THE SECTION OF PAVEMENT HAVING A ONE-WAY CROSS FALL.

COMPACTION SHALL COMMENCE AT THE LOWER EDGE OF THE BASE AND PROGRESS UPWARDS TO THE HIGHER EDGE. 0. ON CROWNED SECTION OF PAVEMENT. COMPACTION SHALL

ROLLERS FACING THE UNCOMPACTED MATERIAL DURING THE INITIAL PUBLY URBATING RALERS ARE USED AS COMPACTION FLANT THE UNBATOR SHALL NOT BE ACTIVATED UNTLA ANIMAM OF TWO "STATC" MASSES HAVE BEEN MADE. IN ADDITION, THE UNBATORS SHALL NOT BE ACTIVATED DURING ANY CHANGE IN DIRECTION OF THE ROLLER. ACTIVATED DURING ANY CHANGE IN DIRECTION OF THE ROLLER. ACTIVATED DURING ANY CHANGE IN DIRECTION OF THE ROLLER. ACTIVATED DURING ANY CHANGE IN DIRECTION OF THE ROLLER. ACTIVATED DURING ANY CHANGE IN DIRECTION OF THE ROLLER. ACTIVATED DURING ANY CHANGE IN DIRECTION OF THE ROLLER. ACTIVATED DURING ANY CHANGE IN DIRECTION OF THE ROLLER. ACTIVATED DURING ANY CHANGE IN DIRECTION OF THE ROLLER. ACTIVATED DURING ANY CHANGE IN DIRECTION OF THE ROLLER. ANY CHANGE AND ANY CHANGE AND ANY CHANGE ANY CHANGE

SURFACE OF THE COMPACTED LAYER SHALL BE KEPT SUFFICIENTLY MOIST TO MAINTAIN THE REQUIRED FIELD MOISTURE CONTENT THROUGHOUT THE FULL DEPTH OF THE LAYER PRIOR TO PLACEMENT OF

SUBSEQUENT LAYERS OR TO THE APPLICATION OF THE SURFACE PRIMER.

COMPACTION SHALL CONTINUE UNTIL THE MATERIAL DOES NOT

CREEP OR WAVE AHEAD OF THE ROLLER, UNTIL THE SURFACE PRESENTS A SMOOTH UNIFORM APPEARANCE AND UNTIL THE MATERIAL HAS BEEN

GENERAL: 1. A BITUMINOUS SEAL COAT SURFACING SHALL BE DESIGNED, SUPPLIED AND LAID ON A PRIMED SURFACE BY THE CONTRACTOR TO THE

PROFILES, CROSS-SECTIONS AND DETAILS AS SHOWN ON THE DRAWINGS

THE TYPE OF SEAL COAT TO BE PROVIDED SHALL BE AS INDICATED ON

FOLLOWED BY A SINGLE APPLICATION OF AGGREGATE, AND THEN THE SURFACE IS ROLLED AND THEN SWEPT AS REQUIRED.

BINDER ONTO A PRIMED SURFACE. THEN AN APPLICATION OF COARSE

REQUIRED THIS IS FOLLOWED BY ANOTHER APPLICATION OF BINDER

THEN APPLICATION OF FINE AGGREGATE. THEN ROLLING OF THE

AGGREGATE THEN ROLLING OF THE SURFACE AND THE SWEEPING AS

SURFACE AND THEN SWEEPING AS REQUIRED. BITLIMEN SHALL COMPLY WITH AS2008 AND CUTBACK BITUMEN SHALL COMPLY WITH AS.2157 OR

PRE-COATING OF AGGREGATES SHALL BE CARRIED OUT WITH A

DESIGN: 1 THE CONTRACTOR SHALL SUBMIT ITS COMPLETE DESIGN TO THE 1 THE CONTRACTOR SHALL SUBMIT ITS COMPLETE DESIGN TO THE

THE CONTRACTOR SHALL SUBMIT ITS COMPLETE DESIGN TO THE SUPERINTENDENT AT LEAST 14 DAYS PRIOR TO THE COMMENCEMENT OF THE WORK. THESE DETAILS SHALL INCLUDE: THE PRIMER TYPE, VISCOSITY AND APPLICATION RATE CONSIDERED SUITABLE FOR THE EXPECTED CONDITION OF THE PREPARED BASE

SUITABLE FOR THE EXPEDITED CONDITION OF THE INFORMATION AND THE APPLICATION RATES AND TYPE OF BINDER FOR EACH COAT. THE APPLICATION RATES AND TYPE OF BINDER FOR EACH COAT. THE SOURCE OF SUPPLY OF COVER AGGREGATE THE COVER AGGREGATE PROPERTIES, SIZE, TYPE, AVERAGE LEAST DIMENSION AND APPLICATION RATES FOR EACH COAT.

A TWO SEAL COAT IS DEFINED IN SUMMARY AS AN APPLICATION OF

A ONE COAT SEAL IS DEFINED IN SUMMARY AS A SINGLE

APPLICATION OF BINDER ONTO A PRIMED PAVEMENT SURFACE

TESTS FOR COMPACTION OF ROAD PAVEMENT MATERIALS SHALL BE

LEVELLED AND COMPACTED TO THE REQUIREMENTS AND TOLERANCES SPECIFIED ELSEWHERE HEREIN.

CARRIED OUT BY THE CONTRACTOR AT LOCATIONS APPROVED BY





MALTON ROAD - FOOTPATH LONGITUDINAL SECTION

SCALE HORIZONTAL 1:100 VERTICAL 1:50

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TEKCIVL Py LM 50 Carlogae Street Syday NSW 2020 Telephon: -61 2 8188 0968 www.lock/cd.com. Orapy/dd

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C202

6-8 MALTON ROAD, BEECROFT PUBLIC DOMAIN - CIVIL WORKS PACKAGE

> BELVEDERE PROJECTS PTY LTD

140 WILLIAM STREET

EAST SYDNEY, NSW, 2010

CESTORED DRAWN SCALE # AS SHOWN

EE 28.04.19 ESUE



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CH 0.0



DATUM RL 140.0

2.5%

			2.5%	_
DATUM RL 139.0				
DESIGN SURFACE LEVEL	140.196	140.261	140.291	
NATURAL SURFACE LEVEL	140.196	140.261	140.311	
OFFSET	-4.025	0.000	1.200	
		CH 50.0		





			2.5%	
DATUM RL 140.0				
DESIGN SURFACE LEVEL	140.399	140.522	140.552	140.529
NATURAL SURFACE LEVEL	140.399	140.522	140.572	140.529
OFFSET	-3.996	-0.000	1.200	1.750

		2.5%
DATUM RL 140.0		
DESIGN SURFACE LEVEL	140.520	140.721 140.751 140.644
NATURAL SURFACE LEVEL	140.520	140.721 140.766 140.644
OFFSET	-3.997	-0.000 1.763

CH 40.0

			2.5%	
DATUM RL 140.0				
DESIGN SURFACE LEVEL	140.652	140.876	140.906	140.696
NATURAL SURFACE LEVEL	140.652	140.876	140.905	140.696
OFFSET	-3.995	000.0-	1.200	1.776
		CH 35.0		

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NORT	н		
	FOR CONST	RUCTION	
	CERTIFICATE	APPROVA	L
Т	EKC V L	50 Carrington 5 Sydney NSW 3 Telephone: +61 www.tekch/l.co	2000 1 2 8188 0968 m.au
PROJ	ECT		
6-	-8 MALTON ROA	D, BEEC	ROFT
ΡI	UBLIC DOMAIN.		INRKS
1.0			UNKJ
	PACKA	4GE	
CLIEN	(T		
	BELVER	ERE	
			~
	PROJECTS	PIYLI	J
	140 10/11 1 10/14	STREET	
	140 WILLIAM	JIKEEI	
	EAST SYDNEY,	NSW, 2010	
TITLE			
6.8	MALTON POAD - FOO	ТРАТН	
DE	CTIFICATION - CDOSS	SECTIONS	
IL.	CTILICATION CR033	320110113	
and the second			
DESIC	GNED DRAW	v	1:100H

EE

DATE

28.04.19

ISSUE

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		CH 49.9			
				2.5%	_
M RL 140.0			_		
	0.399		0.522	.552	000

CH 45.0

FOR CONS CERTIFICAT	
TEKCVL	
PROJECT	
6-8 MALTON RO	
PUBLIC DOMAIN	
PACK	
CLIENT	
BELVE	
PROJECTS	
140 1000 1140	
EAST SYDNE	
6-8 MALTON ROAD - FO	
RECTIFICATION - CROS	
DESIGNED DRA	

19007

C203





FOOTPATH CENTRELINE LONGITUDINAL SECTION SCALE HORIZONTAL 1:100 VERTICAL 1:50

BUE 2003PT08	BY DATE EE 28.0419 Image: Image of the state
FOR CONSTRUCTION CERTIFICATE APPROVAL	- trot 00 2 8188 0968 n.au
6-8 MALTON ROAD, BEEC PUBLIC DOMAIN - CIVIL W PACKAGE	ROFT ORKS
GEN BELVEDERE PROJECTS PTY LTE 140 WILLIAM STREET EAST SYDNEY, NSW, 2010	þ
WONGALA CRESCENT - FOOTPATH RECTIFICATION - LONG SECTION	SCALE 49 A1
	SHOWN
PROJECT No APPROVED	DATE
19007 FF 3	8 04 19
DRAWING No	ISSUE

		0 <u>.69%</u>	_		_
DATUM RL 147.0					
DESIGN SURFACE LEVEL	147.426	147.419	147.404	147.387	147.446
NATURAL SURFACE LEVEL		147.474	147.467	147.434	147.443
OFFSET	-1.692	-0.600	0.000	0.692	1.067

	ſ	~	 -

D	ATUM RL 147.0							
DI	ESIGN JRFACE LEVEL	147.553	147.528	147.513	147.494	147.576	147.442	
N/ SI	ATURAL JRFACE LEVEL		147.581	147.583	147.487	147.487	147.442	
0	FFSET	606.0-	-0.600	0.000	0.750	0.751	0.923	



CH 3.0

DATUM RL 147.0	
DESIGN SURFACE LEVEL	147.668
NATURAL SURFACE LEVEL	147.667
OFFSET	0.770



					-
DATUM RL 147.0					
DESIGN SURFACE LEVEL	147.637	147.653	147.638	147.622	
NATURAL SURFACE LEVEL	147.637	147.686	147.687	147.672	
OFFSET	-1.188	-0.600	-0.000	0.611	

	i	_		-1
DATUM RL 147.0				
DESIGN SURFACE LEVEL	147.702	147.778	147.763	147.747
NATURAL SURFACE LEVEL	147.702	147.777	147.763	147.747
OFFSET	-1.306	-0.600	-0.000	0.638

CH 1.0

		-4.2%				1.98%	1.57%	-
DATUM RL 146.0					5			_
DESIGN SURFACE LEVEL	146.975	147.003	146.988	146.973	146.851	146.791	146.807	
NATURAL SURFACE LEVEL		146.934	146.902	146.881	146.874	146.820	146.804	
OFFSET	-2.913	-0.600	-0.000	0.600	0.820	2.021	3.025	
			СН	7.0				-

0.8%

47.134

-2.500

-4.91%

146.755

905

146.

3.004

12.9%

146.766

146.916

2.597

OFFSET

147.119 147.104 147.089 146.864

107 059 016 004

147.' 147.' 147. 147.

-0.600 0.600 0.796

CH 6.0

147.219 147.204 147.189 146.943

249 194 149 083

147. 147. 147.

-0.600 -0.000 0.600 1.225

CH 5.0

147.315 147.308 147.304 147.289 147.289

147.351 147.351 147.327 147.290 147.238

-0.605 -0.602 -0.000 0.604 1.589

CH 4.0

2.99%

47.267

-2.198

2.71%

47.353

2.024

DATUM RL 146.0

DESIGN SURFACE LEVEL

NATURAL SURFACE LEVEL

DATUM RL 146.0

DESIGN SURFACE LEVEL

NATURAL SURFACE LEVEL

DATUM RL 146.0

DESIGN SURFACE LEVEL

NATURAL SURFACE LEVEL

OFFSET

OFFSET

OFFSET





CH 11.0











4.043



CH 9.0

		-0.01%	-	-		-0.7	'9%	-18.7%	L
DATUM RL 146.0				L	Ų				_
DESIGN SURFACE LEVEL	146.893	146 Ro3	146.882	146.878	146.863	146.860	146.850	146.623	
NATURAL SURFACE LEVEL		146 784	146.752	146.747	146.728	146.721	146.645	146.599	
OFFSET	-3.104	-0.600	-0.171	-0.000	0.600	0.797	2.000	3.216	
									_

CH 8.0

A ISSUE DESCRIPTION	BY DATE EE 28.04.19
FOR CONS	
CERTIFICATE	APPROVAL
TEKC V L	TEKCIVIL Pty Ltd 50 Carrington Street Sydney NSW 2000 Telephone: +61 2 8188 0968 www.ibkivuli.com.au ©Copyright
PROJECT	
6-8 MALTON ROA PUBLIC DOMAIN PACKA	AD, BEECROFT - CIVIL WORKS AGE
CLIENT	
BELVE	DERE
PROJECTS	PITLID
140 WILLIAM EAST SYDNEY	I STREET ; NSW, 2010
TITLE	FOOTDATU

TITLE		
WONGALA CI	RESCENT - FOOTF	PATH
RECTIFICATION	ON - CROSS SECT	IONS
SHEET 1 OF 1	3	
UNEET TOT	·	
DESIGNED	DRAWN	SCALE @ A
		1.100F
EE	KR	1:50V
PROJECT No	APPROVED	DATE
10007		20.04.10
19007	EE	28.04.19
DRAWING No		ISSUE
C303		Δ

DATUM RL 145.0	
DESIGN SURFACE LEVEL	146.107 146.195 146.180 146.180 146.165 145.913
NATURAL SURFACE LEVEL	146.107 146.018 145.977 145.916
OFFSET	-0.757 -0.600 -0.000 0.600 1.161

					2	L	
DATUM RL 145.0							
DESIGN SURFACE LEVEL	145.676	145.799	145.784	145.769	145.539	145.539	
NATURAL SURFACE LEVEL		145.643	145.603	145.561	145.546	145.539	
OFFSET	-0.833	-0.600	-0.000	0.600	1.146	1.296	

DATUM RL 145.0

CH 20.0

781 898 868 868 633 633

145.1 145.1 145.1 145.1 145.1 145.1

747 704 662 639 633

145.7 145.7 145.6 145.6 145.6

-0.836 -0.600 -0.000 0.600 1.143 1.293

CH 19.0

145.998 146.096 146.081 146.066 145.815 145.815

145.998 145.927 145.886 145.888 145.848 145.822 145.815

-0.789 -0.600 0.600 1.163 1.313

CH 17.0

		1	1		-12.6%
DATUM RL 144.0					
DESIGN SURFACE LEVEL	145.248	145.403	145.388	145.373	145.151
NATURAL SURFACE LEVEL			145.211	145.197	145.141
DFFSET	-0.830	-0.600	-0.000	0.600	2.354

CH 24.0

			/_			>	1_
D	ATUM RL 144.0						
D S	ESIGN URFACE LEVEL	145.360	145.502	145.487	145.472	145.248	145.240
N S	ATURAL URFACE LEVEL		145.331	145.293	145.268	145.246	145.240
0	FFSET	-0.824	-0.600	-0.000	0.600	1.473	1.651

CH 23.0



CH	22

DATUM RL 145.0		F		-	2	Ŀ
DESIGN SURFACE LEVEL	145.571	145.700	145.685	145.670	145.446	145.445
NATURAL SURFACE LEVEL		145.539	145.501	145.461	145.449	145.445
OFFSET	-0.830	-0.600	-0.000	0.600	1.150	1.300

CH	21	1.0

				4.79%
DATUM RL 144.0				
DESIGN SURFACE LEVEL	145.103	145.088	145.073	145.143
NATURAL SURFACE LEVEL	144.961	144.985	145.009	145.133
OFFSET	-0.600	-0.000	0.600	2.072

CH 27.0



CH 26.0

	/	-6.66%			
, in the second s					
145.077	145.303	145.288	145.273	145.165	
	145.115	145.124	145.128	145.156	
-1.365	-0.600	-0.000	0.600	2.222	
	-1.365	-1.365 -0.600 145.077	-1.365 -0.600 145.115 145.077 -0.600 145.124 145.288 -0.000 145.754 145.288	1.365 1.365 0.600 0.145.115 145.28 0.000 0.145.124 145.28 145.273 145.273	

CH 25.0

ISSUE DESCRIPTION	BY DATE
A ISSUED FOR CC	EE28.04.19
I	
NORTH	
FOR CONSTRUC CERTIFICATE APP	CTION PROVAL
TEKCIVL	TEKCIVIL Pty Ltd 10 Carrington Street Sydney NSW 2000 Islephone: +61 2 8188 0968 www.bickdi.com.au Copyright
	TEXCIVIL Pty Ltd 40 Carrington Street bydney NSW 2000 Islephons: +61 2 8188 0%68 www.lskk/ull.com.au Copyright
TEKC VIL 6-8 MALTON ROAD, PUBLIC DOMAIN - CI PACKAGE	rescrive. Py Ltd of Carrington Shoot Systemy NSW 2000 Geographers: 4-12 2188 00x8 Scopyright BEEECROFT VIL WORKS
TEKCIVIL HOUSECT 6-8 MALTON ROAD, PUBLIC DOMAIN - CI PACKAGE CLEMT BELVEDEF PROJECTS PT 140 WILLIAM STR EAST SYDNEY, NSY	TRECORT BY LAI of carring the Short of particular short of particular short of particular short of particular short short of the short BEEECROFT VIL WORKS RE Y LTD EET V, 2010
TEKCIVIL 6-8 MALTON ROAD, PUBLIC DOMAIN - CI PACKAGE CLENT BELVEDEF PROJECTS PT 140 WILLIAM STR EAST SYDNEY, NSV	EECOR Py LM 6 carrying Short 6 carrying Short 0 carrying Short 0 carrying Short 0 carrying Short BEEECROFT VIL WORKS COMPARENT RE Y LTD EET V, 2010 TPATH CTIONS

6-8 MALTO PUBLIC DO	on Road, B Omain - Civ Package	EECROFT 'IL WORKS
CLIENT		
I E	BELVEDER	E
PRO.	JECTS PT	(LTD
		2.2
14	0 WILLIAM STRE	ET
EAST	SYDNEY, NSW,	2010
WONGALA CR RECTIFICATIO SHEET 2 OF 3	ESCENT - FOOT	PATH TIONS
DESIGNED	DRAWN	SCALE @ A1 1·100H
EE	KR	1:50V
PROJECT No	APPROVED	DATE
19007	EE	28.04.19
DRAWING No		ISSUE
C304		A

	CH 16.0						
					_		
DATUM RL 145.0							_
DESIGN SURFACE LEVEL		146.216	146.294	146.279	146.264	146.015	
NATURAL SURFACE LEVEL		146.216	146.108	146.071	146.032	146.019	
OFFSET		0.724	0.600	0.000	.600	.157	









146.216	146.108	146.071	146.032	146.019			DESIGN SURFACE LEVEL
-0.724	-0.600	-0.000	0.600	1.157			NATURAL SURFACE LEVEL
	c	н	15.0)		1	OFFSET
				2	L	-	
200	394	379	364	690			DATUM RL 145.0
j.	146	146	46.	146.0			DESIGN

CH 15.0	OFFSET

							ŀ
DATUM RL	145.0						L
DESIGN SURFACE L	EVEL	145.889	145.997	145.982	145.967	145.722	145.723
NATURAL SURFACE L	EVEL	145.889	145.837	145.794	145.755	145.730	145.723
OFFSET		-0.822	-0.600	-0.000	0.600	1.155	1.305

DATUM RL 145.0

DESIGN SURFACE LEVEL

NATURAL SURFACE LEVEL

OFFSET

CH 18.0



URAL FACE LEVEL		145.435	145.397	145.361	145.346
SET	-0.827	-0.600	-0.000	0.600	1.170
			сн	22.	.0

		-			r	_
	L				L	
145.465	145.601	145.586	145.571	145.342	145.342	
	435	397	361	346	342	

DATUM RL 144.0		
DESIGN SURFACE LEVEL	144.782 144.767	144.797
NATURAL SURFACE LEVEL	144.768 144.767	144.794
OFFSET	-0.600 0.000	1.502

CH 30.2

	_	_		
DATUM RL 144.0				
DESIGN SURFACE LEVEL	144.803	144.788	144.773	144.839
NATURAL SURFACE LEVEL	144.785	144.789	144.795	144.833
OFFSET	0.600	-0.000	0.600	1.491

CH 30.0

	_	
DATUM RL 144.0		
DESIGN SURFACE LEVEL	144.903 144.888	144.873 144.994
NATURAL SURFACE LEVEL	144.832 144.860	144.888 144.984
OFFSET	0000-0-0000-0-0000-0-0-0000-0-0-0-0-0-0-	0.600 1.488

CH 29.0

				8.1%
DATUM RL 144.0				
DESIGN SURFACE LEVEL	145.003	144.988	144.973	145.069
NATURAL SURFACE LEVEL	144.897	144.924	144.948	145.059
OFFSET	009:0-	-0.000	0.600	1.780

CH 28.0

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ΤI	EKC	V	L	TEKCIV 50 Carri Sydney I Telephor www.tek	IL Pty Ltd ngton Stres NSW 2000 nc: +61 2 8 civil.com.a ght	21 188 0968 U
PROJEC	т					
6-8	3 MAL	ion f	roai Ain -), BE Civil	ECR WC	
PU	IBLIC I	PA	CKA	GE		
PU	PRO	PA BEL	VED	GE ERE PTY I	TD	
PU	PRO	PA BEL DJEC	VED	GE ERE PTY I	_TD	
PU		PA BEL' DJEC	VED CTS I	GE ERE PTY I STREET	_TD	
CLIENT CLIENT CLIENT CLIENT WC REG SHI		PA BEL DJEC 140 WIL ST SYD CRESCI 10N - C	VED CTS I LIAM S DNEY, M ENT - F CROSS	GE ERE PTY I STREET ISW, 20	_TD 110 TH DNS	
CLIENT CLIENT TITLE WC REG SHI DESIGN	PRC PRC EA DNGALA (CTIFICAT EET 3 OF	PA BEL DJEC 140 WIL ST SYE CRESCI ION - C	CKA VED CTS I LIAM S DNEY, M ENT - F CROSS	GE ERE PTY I STREET ISW, 20 SECTIO	_TD 110 TH DNS	SCALE @
CLIENT CLIENT WC REU SHI DESIGN	PRC PRC T EA DNGALA (CTIFICAT EET 3 OF	PA BEL DJEC 140 WIL ST SYE CRESCI ION - C	VED CTS I LIAM S DNEY, P ENT - F ROSS	GE PTY I STREET STREET STREET STREET	_TD 110 TH DNS	SCALE @ T:100 1:50\
CLIENT CLIENT WC REU SHI DESIGN EE PROJEC	PRC PRC Tho PRC Tho PRC PRC PRC PRC PRC PRC PRC PRC PRC PRC	PA BEL' DJEC 140 WIL ST SYE CRESCI 10N - C	CKA	GE PTY I STREET STREET STREET	_TD 110 TH DNS	SCALE # 1:100 1:501 DATE
CLIENT CLIENT TITLE WC REI DESIGN EE PROJEC	PRC PRC EA DNGALA (CTIFICAT EET 3 OF	PA BEL ¹ DJEC 140 WIL ST SYE CRESCI ION - C	CKA	GE ERE PTY I STREET SW, 20 SECTIO	_TD 110 TH DNS	SCALE # 1:100 1:500 DATE 0.4 19
CLIENT CLIENT TITLE WC REI SH DESIGN EE PROJEC 1900 DRAMIN	PRC PRC EA DNGALA (CTIFICAT EET 3 OF ED T NO DT DT DT DT DT DT DT DT DT	PA BEL ¹ DJEC 140 WIL ST SYE CRESCION - C 3	CKAI VED CTS I LLIAM S ONEY, M ENT - F CROSS	GE ERE PTY I STREET SSECTIC	_TD 110 TH 28	SCALE @ 1:100 1:500 DATE .04.19 ISSUE

28.04.19 ISSUE A







PEDESTRIAN ISLAND NO.1 LONGITUDINAL SECTION @ INVERT OF BARRIER KERB

SCALE HORIZONTAL 1:100

VERTICAL 1:50

PEDESTRIAN ISLAND NO.2 LONGITUDINAL SECTION @ INVERT OF BARRIER KERB SCALE HORIZONTAL 1:100

FOR CONSTRUCTION CERTIFICATE APPROVAL
TEKCVLP/LM S0 Carrison Street System YON 2020 Response Orbayist
6-8 MALTON ROAD, BEECROFT PUBLIC DOMAIN - CIVIL WORKS PACKAGE
BELVEDERE PROJECTS PTY LTD 140 WILLIAM STREET EAST SYDNEY, NSW, 2010
TTLE SUTHERLAND STREET - KERB AND GUTTER AND PEDESTRIAN REFUGE LONG SECTIONS

KR

FF

EE 28.04.19

SCALE (# A1 AS SHOWN

> 28.04.19 ISSUE

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A ISSUE DESCRIPTION

EE

19007

C402

DESIGN	3.764	8.741 8.741 8.591 9.631 3.671	8.712 8.742 9.892 9.892 8.914	3.914 3.766 3.751		5.702
SURFACE LEVEL	143	140041	4 4 4 4 4 4 4 4 4 4 4 4 4 4	141		4
NATURAL	.764	759 759 759 671	.712 .745 .745 .747 .768	751	0	707
SURFACE LEVEL	143	143 143 143 143	143 143 143 143	143		3
CHAINAGE	-2.848	-0.600 -0.460 -0.450 0.900	2.150 3.050 3.200 4.327	4.378 4.484 5.419		a. 130
	CH 14.0					
		-#	T			
VERTICAL GEOMETRY	-0.20%	4.26% 3.30	1.86%	2.57%	-1.78%	
DATUM 142.5						
DESIGN	804	800 800 689 727	769 249 349	975 975 828 805		0
SURFACE LEVEL	143	$\frac{143}{143}$	143 143 143	143		143
NATURAL	804	813 816 817 826 727	769 802 803	945 945 941 805		0
SURFACE LEVEL	143.	143. 143. 143.	143. 143.	143. 143.		-42
CHAINAGE	858	000000000000000000000000000000000000000	00202 20	35		5
	-2	<u> </u>	3.2	5.6		ö
	CH 13.0					

-1.90%

43.724

13.724

2.837

CH 15.0

-1.04%

4.62% 3.35%

143.655

43.655

150

8.13%0.05%

 143.679
 143.679

 143.650
 143.829

 143.650
 143.829

 143.654
 143.829

 143.654
 143.842

 143.6554
 143.842

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 143.6554
 143.842

 143.6564
 143.842

 143.659
 143.656

 143.659
 143.659

 143.659
 143.659

3.050 3.150 3.200 4.119 4.119

4.42% 3.30% 8.32% 1.90% 1.58%

143.742 143.892 143.892 143.914 143.914 143.766 143.751

-1.82%

-1.80%

143.643

143.643

3.139

VERTICAL GEOMETRY

DATUM 142.5

SURFACE LEVEL

SURFACE LEVEL

VERTICAL GEOMETRY

DATUM 142.5

DESIGN

NATURAL

CHAINAGE

VERTICAL GEOMETRY -2.38% -1.90% 4.57% 3.51% 2.33% 1.86% DATUM 142.5
 3.050
 143.619
 143.619

 3.150
 143.621
 143.769

 3.200
 143.621
 143.769

 3.320
 143.621
 143.769

 3.335
 143.625
 143.770

 3.433
 143.625
 143.773

 3.4527
 143.773
 3721

 3.4527
 143.773
 3721

 3.463
 143.648
 143.773
 DESIGN 143.582 623 623 513 513 143.598 43.676 143.6 143.6 143.6 SURFACE LEVEL -0.600 143.634 -0.460 143.637 -0.450 143.637 -0.000 143.648 0.900 143.554 143.582 NATURAL 43.676 43.598 SURFACE LEVEL 338 8.149 CHAINAGE .150

CH 16.0

CH 17.0

			-	1				
VERTICAL GEOMETRY	-2	2.53%	4	.84%	3.33%	2.32%	-0.91%	~
DATUM 142.5			\mathcal{C}	5				
DESIGN SURFACE LEVEL	143.623	143.564	143.564	143.454 143.497	143.549	143.584		143.546
NATURAL SURFACE LEVEL	143.623	143.574	143.577	143.590 143.497	143.549	143.584		143.546
CHAINAGE	-2.914	-0.600	-0.460	000.0	2.455	3.959		8.107

CH 18.0		СН	18.0	
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]	
VERTICAL GEOMETRY		-2.93%	١		3.1	77
DATUM 142.5				Ł	Ļ	5
DESIGN	576		506	506	356	395
SURFACE LEVEL	143.		143.	143	143.	542
NATURAL	576		515	519	519	225
SURFACE LEVEL	143.		143.	143.	143.	54
CHAINAGE	-2.986		-0.600	-0.460	-0.450	0.000

				==
				==
				=
NORTH				
	FOR (CONSTR	RUCTION	
	CERTIF	ICATE A	PPROVA	L
			TEKCIVIL Pty	LIE
TEL	CN	-	50 Carrington	Street
			Telephone: +6	1 2 8188 0968
			wwwi.tekchvil.co ©Copyright	om.au
project 6-8 N	IALTON	ROAL	o ^{Copyrigh} , BEEC	ROFT
PROJECT 6-8 M PUBL	ialton IC Don P	Roae Main - Acka), BEEC CIVIL W GE	ROFT
PROJECT 6-8 M PUBL	ialton IC Don P	Roae Main - Ackad	o, BEEC CIVIL W GE	ROFT ORKS
PROJECT 6-8 M PUBL	IALTON IC DON P. BE	I ROAE NAIN - ACKA(o, BEEC CIVIL W GE	ROFT IORKS
PROJECT 6-8 M PUBL	IALTON IC DON P BE	I ROAE IAIN - ACKA(), BEEC CIVIL W GE	ROFT /ORKS
PROJECT 6-8 M PUBL	IALTON IC DOM P BE PROJE	I ROAE IAIN - ACKA(LVEDI	occopydar), BEEC CIVIL W GE ERE PTY LTI	ROFT /ORKS
PROJECT 6-8 N PUBL	IALTON IC DON P BE PROJE	I ROAE AAIN - ACKAG	o, BEEC CIVIL M GE ERE FTY LTI	ROFT /ORKS
PROJECT 6-8 M PUBL	IALTON IC DON P BE PROJE	I ROAE AAIN - ACKA LVEDI CTS F	D, BEEC CIVIL W GE ERE FTY LTI	ROFT /ORKS
PROJECT 6-8 M PUBL	IALTON IC DON P BE PROJE	I ROAE AAIN - ACKA LVEDI CTS F	Civities Civities CIVIL W GE ERE PTY LTI TREET ISW, 2010	ROFT /ORKS
PROJECT 6-8 M PUBL	IALTON IC DOM P BE PROJE	I ROAE IAIN - ACKAG CTS F VILLIAM S VDNEY, N	D, BEEC CIVIL W GE ERE PTY LTI	ROFT /ORKS
PROJECT 6-8 M PUBL CLIENT	IALTON IC DOM P BE PROJE	I ROAE MAIN - ACKAG CTS F VILLIAM S VDNEY, N	ocovytyt	ROFT /ORKS
PROJECT 6-8 M PUBL CLIENT TITLE SUTTHE	IALTON IC DON P BE PROJE 140 W EAST S'	I ROAE MAIN - ACKAG CTS F MILLIAM S YDNEY, N	Civity of Constraints	ROFT /ORKS
CLIENT PUBL CLIENT	IALTON IC DON P BE PROJE 140 W EAST S' RLAND ST R AND PE	I ROAE MAIN - ACKAG LVEDI CTS F MILLIAM S YDNEY, N TREET - F	Cicyright	ROFT /ORKS D
PROJECT 6-8 M PUBL CLENT CLENT	IALTON IC DON P BE PROJE 140 W EAST S ¹ RLAND ST R AND PEI S SECTION	I ROAE AAIN - ACKAG LVEDI CTS F /ILLIAM S YDNEY, N DESTRIA	Civicity of the second	ROFT /ORKS D
CLENT FROJECT G-8 M PUBL CLENT	IALTON IC DON P BE PROJE 140 W EAST S' RLAND ST R AND PEI S SECTION	I ROAE AAIN - ACKAG CTS F /ILLIAM S YDNEY, N IREET - K DESTRIA IS SHEET	Conversal Conversal CONTRACTOR CONTRACT CO	ROFT /ORKS D
CLIENT TITLE SUTTRE GUTTE CROSS DESIGNED	IALTON IC DON P BE PROJE 140 W EAST S ¹ RLAND ST R AND PEIS SECTION	I ROAE AAIN - ACKAG LVEDI CCTS F VILLIAM S YDNEY, N TREET - K DESTRIA IS SHEET	Covered and the second	ROFT /ORKS D
CLENT CLENT TITLE SUTHE GUTTE CROSS DESIGNED EE	IALTON IC DON P BE PROJE 140 W EAST S' RLAND ST S SECTION	I ROAE AAIN - ACKAG UVEDI CCTS I VILLIAM S YDNEY, N DESTRIA IS SHEET DRAWN	Conversion of the second secon	E E E E E E E E E E E E E E E E E E E
CLENT CLENT TITLE SUTTHE GUTTE CROSS DESIGNE PROJECT NO	IALTON IC DOM P BE PROJE 140 W EAST SY RLAND ST R AND PEIS S SECTION	I ROAE AAIN - ACKAG LVEDI CTS I ILLIAM S YDNEY, N ILLIAM S YDNEY, N IREET - K DESTRIA IS SHEET DRAW APPROVE	D, BEEC CIVIL W GE ERE PTY LTI TREET ISW, 2010 REFUGE 2 OF 4	E E E E E E E E E E E E E E E E E E E
CLENT TITLE SUTTHE GUTTE CROSS DESIGNED EFROLECT NO 19007	IALTON IC DON P BE PROJE 140 W EAST S ¹ RLAND ST R AND PE S SECTION	I ROAE MAIN - ACKAN LVEDI CCTS I ICLIAM S VILLIAM S VILL	Conversion of the second secon	EROFT /ORKS D 51100H 1:200 MATE 28.04.19
PROJECT 6-8 M PUBL CLEMT ITTLE SUTHE GUTTE CROSS DESIGNED EE PROJECT NO 19007 DEMONIC TO DEMONIC TO DEMONICIÓN DEMONICIÓ	IALTON IC DON PROJE 140 W EAST SY RLAND ST R AND PE S SECTION	I ROAE MAIN - ACKAG UVEDI CCTS F //ILLIAM S VONEY, N //ILLIAM S CTS F //ILLIAM S //ILLIAM S //ILLIA	D, BEEC CCIVIL W GE ERE ERE TY LTI TREET ISW, 2010 ERB AND N REFUGE 2 OF 4	ROFT /ORKS D 504684 1:20V 1:20V 1:20V 1:20V 1:20V 1:20V 1:20V 1:20V 1:20V 1:20V 1:20V 1:20V
PROJECT 6-8 M PUBL CLENT TITLE SUTHE GUTTE CROSS CESIMO CROSS DE FROMCT NO COMMONT NO COMUNICA NO CO	IALTON IC DON PROJE 140 W EAST SY RLAND ST R AND PE S SECTION	I ROAL MAIN - ACKA(CTS I ILLIAM S VDNEY, N ILLIAM S VDNEY, N ILLI	D, BEEC CIVIL W GE ERE PTY LTI TREET ISW, 2010 ERB AND N REFUGE 2 OF 4	ROFT /ORKS D = :: :2000H :220V :0014 :220V :0014 :2304 :2304 :2304 :2304 :2304 :2304 :2304 :2304 :2304 :2304 :2304 :2304 :2305 :230

BY DATE EE 28.04.19

143.271 143.271 143.121 143.161 143.184

81389108

43.1 43.1 43.1

8004480 8004480

43.379

CH 22.0

DESIGN

NATURAL

CHAINAGE

SURFACE LEVEL

SURFACE LEVEL

		<pre>//</pre>		F	7	1
VERTICAL GEOMETRY		-4.55%		4.9	55%	6
DATUM 142.0			К	Ł	2	
DESIGN	160	035	035	<u>885</u>	996	
SURFACE LEVEL	143.	143	143.	142	4	
NATURAL	160	833	839	839	000	
SURFACE LEVEL	143.	142.	142.	142.	142	
CHAINAGE	-3.344	0.09.0-	-0.460	-0.450	0.900	

CH 25.0

ISSUE DESCRIPTION			BY D
A ISSUED FOR CC			EE 28
NORTH			
FOF	R CONSTR	RUCTION	
CERT	IFICATE A	PPROVA	L
		TEKCIVIL Pty	Ltd
TEVCIN	/=	50 Carrington	Street
	VIL	Telephone: +6	1 2 8188 096
	V IL	Telephone: +6 www.tekchvil.co	1 2 8188 096 m.au
PROJECT	VIL	Telephone: +6 www.tekchvil.co ©Copyright	1 2 8188 096 m.au
PROJECT	V : L	Copyright	1 2 8188 096 m.au
PROJECT 6-8 MALTO	V IL	Copyright Copyr	ROF
PROJECT 6-8 MALTO		Copyright Copyright Copyright	ROF
PROJECT 6-8 MALTO PUBLIC DO	V IL In Roae Main -), BEEC	ROF
PROJECT 6-8 MALTO PUBLIC DO	V IL N ROAE MAIN - PACKAG), BEEC CIVIL W GE	ROF
PROJECT 6-8 MALTO PUBLIC DC	V IL In Roae Dmain - Packa	D, BEEC CIVIL W GE	:ROF /ORK
PROJECT 6-8 MALTO PUBLIC DO	v ∎ L Din Roae Dimain - Packae	D, BEEC CIVIL W GE	ROF
PROJECT 6-8 MALTO PUBLIC DO	VIROAE DMAIN - PACKA), BEEC CIVIL W GE	ROF /ORK
PROJECT 6-8 MALTO PUBLIC DO	VIROAE DMAIN - PACKA	o, BEEC CIVIL W GE	:ROF /ORK
PROJECT 6-8 MALTO PUBLIC DC CLENT B PROJ	VIROAE DMAIN - PACKAG ELVEDI), BEEC CIVIL W GE ERE ERE	ROF /ORK
PROJECT 6-8 MALTO PUBLIC DC CLENT B PROJ	VIROAE DMAIN - PACKAC ELVEDI IECTS F	o, BEEC CIVIL W GE ERE PTY LTI	ROF /ORK
GLENT PROJECT 6-8 MALTO PUBLIC DC CLENT B PROJ	VILLIAM S	D, BEEC CIVIL W GE ERE PTY LTI TREET	ROF /ORK
PROJECT 6-8 MALTO PUBLIC DC CLEMT B PROJ 140 EAST	VILLIAM S SYDNEY, N	Caylor Caylor Caylor CIVIL W GE ERE PTY LTI TREET ISW, 2010	ROF /ORK
PROJECT 6-8 MALTO PUBLIC DC CLEMT B PROJ 140 EAST 140	VILLIAM S SYDNEY, N	Caylest Caylest CIVIL W GE ERE PTY LTI TREET ISW, 2010	ROF /ORK
PROJECT 6-8 MALTO PUBLIC DC CLEMT B PROJ 140 EAST 141 EAST 141 EAST	VILLIAM S SYDNEY, N	Covid Covid Clavity CCVIL W GE ERE PTY LTI TREET ISW, 2010	ROF /ORK
PROJECT 6-8 MALTO PUBLIC DC CLEMT B PROJ 140 EAST TITLE SUTHERLAND SUTHERLAND	V IL IN ROAE DMAIN - PACKAG ELVEDI IECTS F I WILLIAM S SYDNEY, N STREET - N	D, BEEC CIVIL W GE ERE PTY LTI TREET ISW, 2010	ROF /ORK
CLENT PROJECT 6-8 MALTO PUBLIC DC CLENT B PROJ 140 EAST SUTHERLAND GUITER AND F	V ILIAN SYDNEY, N PACKAG ELVEDI JECTS F WILLIAM S SYDNEY, N STREET - F PEDESTRIA	Covide Covide COVIDE CIVIL W GE ERE PTY LTI TREET ISW, 2010 CERB AND N REFUGE	:ROF /ORK D
PROJECT 6-8 MALTO PUBLIC DC PUBLIC DC CARNT B PROJ 140 EAST 140 EAS	VILLIAM S SYDNEY, N STREET - N PACKAG	Covid Covid COVID	:ROF /ORK D
REALCT 6-8 MALTO PUBLIC DC CARNT B PROJ 140 EAST SUTHERIAND GUTTER AND F CROSS SECTION TELESAND	V IL IN ROAE DMAIN - PACKAG ELVEDI JECTS I WILLIAM S SYDNEY, N STREET - & PEDESTRIA DNS SHEET	Covid Covid COVID	ROF /ORK
PROJECT 6-8 MALTO PUBLIC DC CLEAT B PROJ 140 EAST MILE SUTHERLAND SUTHERLAND SUTHERLAND SUTHERLAND EE	VILLIAM S SYDNEY, N STREET - K PACKAG ULLIAM S SYDNEY, N STREET - K PEDESTRIA DNS SHEET DOWNW KR	Covid Covid Clavid CIVIL W CE ERE PTY LTI TREET ISW, 2010 ERB AND N REFUGE '3 OF 4	ROF /ORK D
ROLECT 6-8 MALTO PUBLIC DC PUBLIC DC UBLIC DC CLEAT B PROJ 140 EAST CLEAT C	VILLIAM S SYDNEY, N PACKAG ELVEDI JECTS F WILLIAM S SYDNEY, N STREET - F PEDESTRIA DNS SHEET DRAWN APPROVE	Conjugation Conju	CROF (ORK D SCALE 1:1(1:2(1:2) IX
ILENCE I VIEWERS IN A CONTRACT INT A CONTRAC	VILLIAM S SYDNEY, N STREET - F POLS SHEET DRAWN KR APPROVEE EE	Conversion of the second secon	EROF /ORK
CLENT ARGUECT 6-8 MALTO PUBLIC DC PUBLIC DC CLENT B PROJ 140 EAST E	VILIANS ELVEDI JECTS F WILLIANS SYDNEY, N STREET - N PEDESTRIA DNS SHEET ORIAN APPROVEC EE	CONTRACTOR CONTRA	SCALE CALL CALL CALL CALL CALL CALL CALL

	CH 29.0
VERTICAL GEOMETRY DATUM 141.5	-4.50% 5.79%
DESIGN	057 918 860 860
SURFACE LEVEL	142 142 142 142
NATURAL	057 7728 860
SURFACE LEVEL	1422. 1422. 1422.
CHAINAGE	-3.685 -0.600 -0.450 -0.450 0.300
	CH 28.0

VERTICAL GEOMETRY

DATUM 141.5 DESIGN

SURFACE LEVEL

SURFACE LEVEL

VERTICAL GEOMETRY

DATUM 141.5

SURFACE LEVEL NATURAL SURFACE LEVEL CHAINAGE

DESIGN

NATURAL

CHAINAGE

-4.07%

CH 30.0

-4.43%

6.79%

800 800 650 751

42.6

645 646 646 632 632

0 142.6 0 142.6 1 142.6 1 142.6 1 142.7

-0.600 -0.460 -0.450 -0.000 0.900

6.41%

 0.600
 142.703
 142.859

 -0.460
 142.702
 142.859

 -0.460
 142.702
 142.859

 -0.000
 142.691
 142.749

 -0.000
 142.897
 142.749

 0.900
 142.807
 142.807

CH 32 0	
002.0	

				ľ	
VERTICAL GEOMETRY		-3.42%		7.1	5%
DESIGN	97		83	होर	32
SURFACE LEVEL	142.7	142 6	142.6	142.5 142.5	142.6
NATURAL	797	510	517	517	637
SURFACE LEVEL	142.	140	142.	142	142
CHAINAGE	-3.957	-0600	-0.460	-0.450	0.900

-4.(
CH 33.0

VERTICAL GEOMETRY		-3.11%	7.38%
DATUM 141.5			
DESIGN	730	624	624 514 580
SURFACE LEVEL	142.	142	142
NATURAL	730	465	580 580
SURFACE LEVEL	142.	142.	142.
CHAINAGE	-4.025	0.60.0-	-0.460 -0.450 -0.000 0.900

	CH 35.0	
VERTICAL GEOMETRY		-
	-2.81%	1%
DATUM 141.5		_
DESIGN	865 565 415 565 565 565 565 565 565 565 565 565 5	524
SURFACE LEVEL	142 142 142	142.
NATURAL	963 117 117 117 117 117 117 117 117 117	524
SURFACE LEVEL	142.4 142.4 142.4	142.5
CHAINAGE	4.092 -0.600 -0.460 -0.460 -0.000	0.900
	CH 34.0	

25	^	

VERTICAL GEOMETRY		-2.52%			7.8	344
DESIGN	96		90	90	20	
SURFACE LEVEL	142.5		142.5	142.5	142.3	145.0
NATURAL	596		371	375	376	167
SURFACE LEVEL	142.		142	142.	142	140
CHAINAGE	-4.160		-0.600	-0.460	-0.450	2000

NURTH	
FOR CONST	RUCTION
CERTIFICATE	APPROVAL
TEVCIVI	TEKCIVIL Pty Ltd 50 Carrington Street Switney NSW 2000
I EKC V L	Telephone: +61 2 8188 0968 www.tekcivil.com.au
PROJECT	Coshida
	U, DEEUKUFI
	- CIVIL WORKS
PUBLIC DOMAIN	- CIVIL WORKS AGE
PUBLIC DOMAIN - PACKA	- CIVIL WORKS AGE
	- CIVIL WORKS
PUBLIC DOMAIN PACKA CLENT BELVEE PROJECTS	- CIVIL WORKS AGE DERE PTY LTD
PUBLIC DOMAIN PACKA CLENT BELVED PROJECTS	- CIVIL WORKS AGE DERE PTY LTD
PUBLIC DOMAIN PACKA BELVEL PROJECTS 140 WILLIAM EAST SYNDRY	CIVIL WORKS AGE DERE PTY LTD STREET NSW 2010
CLENT CLEAT	CIVIL WORKS AGE DERE PTY LTD STREET NSW, 2010
PUBLIC DOMAIN PACKA BELVED PROJECTS 140 WILLIAM EAST SYDNEY.	CIVIL WORKS AGE DERE PTY LTD STREET NSW, 2010
PUBLIC DOMAIN PACKA BELVED PROJECTS 140 WILLIAM EAST SYDNEY, SUTHERIAND STREET - GUITTER AND PEPESTR	- CIVIL WORKS AGE DERE PTY LTD STREET NSW, 2010 KERB AND IAN REFLIGE
PUBLIC DOMAIN PACKA BELVEC PROJECTS 140 WILLIAM EAST SYDNEY, WILL SUTHERLAND STREET. SUTHERLAND STREET. GUTTER AND PEDESTR CROSS SECTIONS SHEE	CIVIL WORKS AGE DERE PTY LTD STREET NW, 2010 KERBAND AN REFUGE ET 40 F4
CLENT CLENT	CIVIL WORKS AGE DERE PTY LTD STREET NSW, 2010 KERB AND ANA REFUGE ET 40 F 4
PUBLIC DOMAIN PACKA BELVED PROJECTS 140 WILLIAM EAST SYDNEY. WINE SUTTER AND PEDESTR CROSS SECTIONS SHEE DESISTOR	CIVIL WORKS AGE DERE PTY LTD STREET NSW, 2010 KERB AND HAN REFUCE ET 4 OF 4
PUBLIC DOMAIN PACKA BELVED PROJECTS 140 WILLIAM EAST SYDNEY. 1140 WILLIAM EAST SYDNEY. 1140 WILLIAM EAST SYDNEY. 1140 WILLIAM ELSTAND STREET- CROSS SECTIONS SHE UITER AND PEDESTR CROSS SECTIONS SHE PROJECT IN AMAGE	CIVIL WORKS AGE DERE PTY LTD STREET NSW. 2010 KERB AND MAN REFUGE ET 4 OF 4 TYPOOL 1200 20 10 20 10
PUBLIC DOMAIN PACKA CUBY BELVED PROJECTS 140 WILLIAM EAST SYDNEY, SUFFERAND STREET CROSS SECTIONS SHEE CUTTER AND PEDESTR CROSS SECTIONS SHEE RESEARD DUBAN PROJECTING APPENDING TEMPENDING APPENDING RESEARD DUBANG	CIVIL WORKS AGE DERE PTY LTD STREET NSW, 2010 KERB AND KERB AND KERB AND MAR FEUGE ET 4 OF 4 * * * * * * * * * * * *

A ISSUE DESCRIPTION

BY DATE EE 28.04.19

