

# HIGHLAND - WALLOON - STAGE 1C

197 TAYLORS ROAD

## CIVIL WORKS - OPERATIONAL WORKS PACKAGE



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LOCALITY PLAN  
SCALE 1:2000 (A1)

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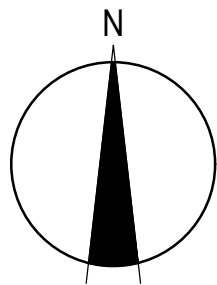

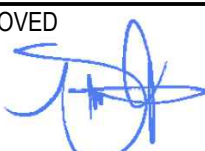
### PROJECT SUMMARY INFORMATION

NUMBER OF PROPOSED LOTS	12
AREA OF PROPOSED SITE	0.85ha
REAL PROPERTY DESCRIPTION	LOT 555 ON M33493
PERMANENT SURVEY MARK	PM67024, AHD 67.357
	GDA2020 LAT/LONG: -27.592705853, 152.644298479
	GDA1994 LAT/LONG: -27.592718445, 152.644292419
ALL DRAWING COORDINATES TO GDA1994	

Pursuant to the Planning Act  
2016, this plan forms part of  
Council's approval for

Approval No: 11153/2022/OW

Date: 12/03/2024

REV	DATE	AMENDMENT / REVISION DESCRIPTION	DRAFT	DESIGN	WVR No.	STATUS	 Member of the Surbana Jurong Group © ABN 47 065 475 149	 Scale 1:2000		CLIENT HIGHLAND - WALLOON STAGE 1C 197 TAYLORS ROAD, WALLOON IPSWICH CITY COUNCIL	PROJECT NAME HIGHLAND - WALLOON STAGE 1C 197 TAYLORS ROAD, WALLOON IPSWICH CITY COUNCIL	DRAWING TITLE GENERAL COVER SHEET	PROJECT/DRAWING No 30032066-01C-100	REVISION 01
01	26.09.22	ISSUED FOR APPROVAL	KG	AY	0015	<div>SUBJECT TO APPROVAL</div> <div>APPROVED  PAMELA ARCONADO DATE 26.09.2022</div>								



GENERAL NOTES:

1. CONTRACT DOCUMENTATION  
ALL DRAWINGS UNDER THIS CONTRACT ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATION.
2. SURVEY INFORMATION  
CONTROL SURVEY INFORMATION WILL BE ESTABLISHED ON SITE BY THE PRINCIPAL'S SURVEYOR. SETOUT INFORMATION SHALL NOT BE OBTAINED BY SCALING FROM THESE DRAWINGS.
3. DATUM  
ALL LEVELS SHOWN ON DRAWINGS ARE A.H.D. (DERIVED).
4. EXISTING SURVEY CONTROL STATIONS  
THE CONTRACTOR IS TO ENSURE THAT SURVEY CONTROL STATIONS ARE NOT DAMAGED OR DISTURBED IN ANY WAY BY CONSTRUCTION ACTIVITIES.
5. EXISTING SERVICES  
EXISTING SERVICES LOCATIONS WHERE SHOWN ON THE DRAWINGS ARE INDICATIVE ONLY. THE CONTRACTOR SHALL CONTACT THE RELEVANT AUTHORITIES 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 SERVICES.
6. 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 AT ALL TIMES.
7. 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.
8. WORK BOUNDARIES  
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.
9. SITE CLEARING  
CLEARING AND GRUBBING SHALL BE CARRIED OUT TO ALL WORK AREAS AS SPECIFIED AND SHALL INCLUDE THE REMOVAL OF ALL EXISTING TREES (UNLESS NOMINATED TO BE PRESERVED), EXISTING VEGETATION, TIMBER, FENCES AND ANY OTHER DEBRIS.
10. TOPSOIL STRIPPING  
ALL TOPSOIL STRIPPED FROM WORK AREAS SHALL BE STOCKPILED FOR LATER RE-SPREADING TO ALL FOOTPATHS, BATTERS AND FILL AREAS.
11. COMPACTION STANDARDS  
ALL FILL MATERIAL PLACED UNDER THIS CONTRACT SHALL BE COMPACTED IN ACCORDANCE WITH THE IPSWICH CITY COUNCIL STANDARD SPECIFICATION.
12. TOPSOIL REPLACEMENT AND GRASSING  
FOLLOWING COMPLETION OF ROADWORKS CONSTRUCTION AND BULK EARTHWORKS OPERATIONS THE FULL EXTENT OF FOOTPATHS, BATTERS AND FILL AREAS IS TO BE RE-TOPSOILED TO A MINIMUM DEPTH OF 75mm AND GRASSED AS FURTHER DETAILED IN THE SPECIFICATION.
13. TESTING  
ALL TESTING SHALL BE CARRIED OUT BY AN APPROVED N.A.T.A. TESTING AUTHORITY IN ACCORDANCE WITH THE PROJECT SPECIFICATION.
14. AS CONSTRUCTED" SURVEY "  
AS CONSTRUCTED" SURVEY SHALL BE CARRIED OUT BY THE PRINCIPAL'S SURVEYOR AS WORK PROCEEDS.
15. 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 IPSWICH CITY COUNCIL.

EARTHWORKS NOTES

1. EARTHWORKS FOR CURRENT STAGE WORKS COMPLETED AS PART OF STAGE 1A OPERATIONAL WORKS.  
REFER 30032066-01A-120 AND 140 SERIES FOR EARTHWORKS INFORMATION.

EROSION AND SEDIMENT CONTROLS NOTES

1. EROSION AND SEDIMENT CONTROLS FOR CURRENT STAGE WORKS COMPLETED AS PART OF STAGE 1A OPERATIONAL WORKS. REFER 30032066-01A-160 & 180 SERIES FOR EROSION AND SEDIMENT CONTROLS INFORMATION.

RETAINING WALL NOTES

1. 30032066-01A-120 TO 140 SERIES IS TO BE READ IN CONJUNCTION WITH CURRENT STAGE (1C) PLANS TO DETERMINE LOCATIONS OF 1 IN 2 INTERIM BATTERS.
2. ALL PROPOSED RETAINING WALL LOCATIONS IN CURRENT STAGE (1C) PLANS ARE TO BE CONSTRUCTED WHERE PREVIOUS STAGE 1A BATTERS ARE LOCATED.

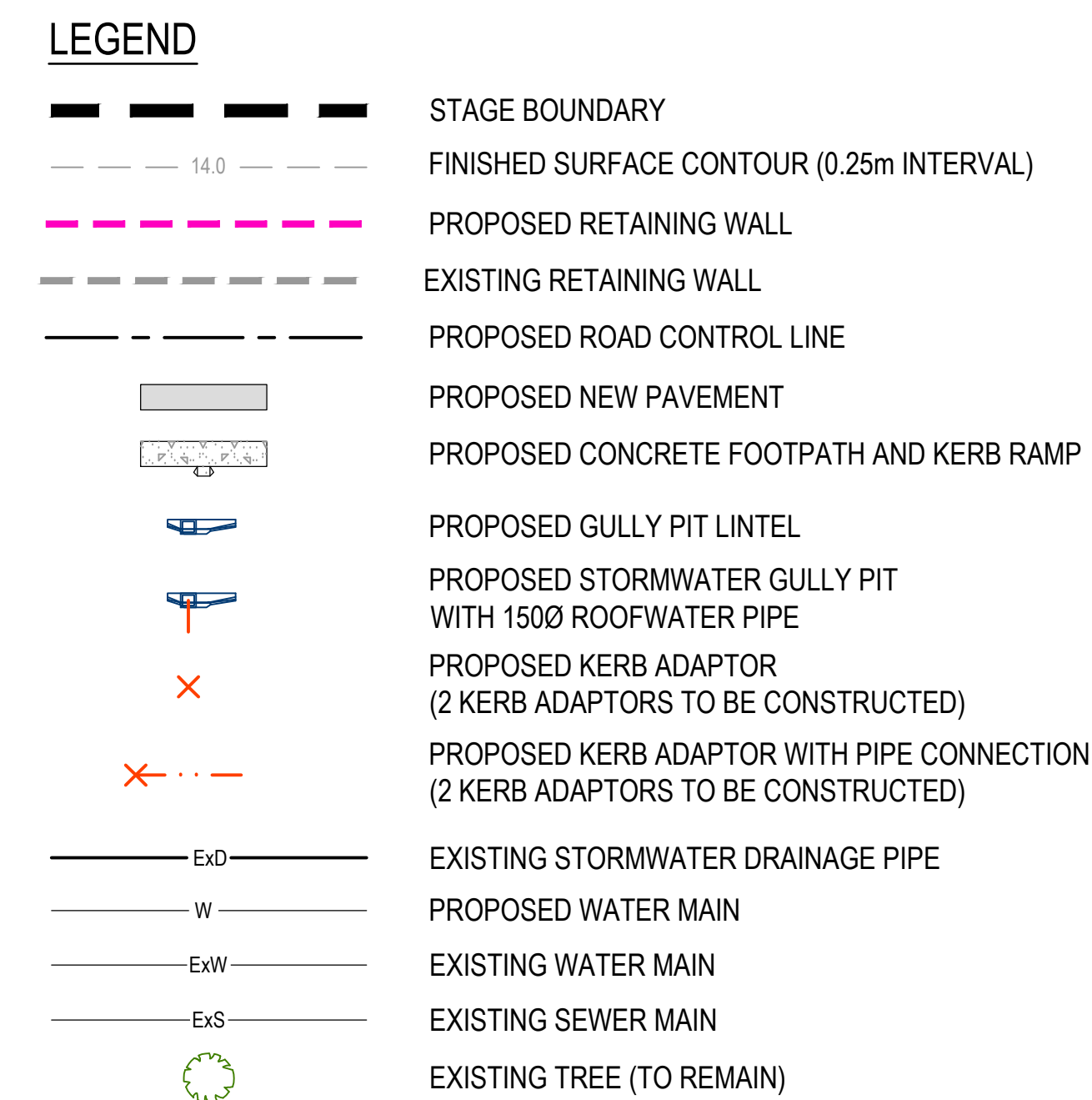
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01	26.09.22	ISSUED FOR APPROVAL	KG	AY	0015	SUBJECT TO APPROVAL		LENNIUM GROUP		HIGHLAND - WALLOON STAGE 1C 197 TAYLORS ROAD, WALLOON IPSWICH CITY COUNCIL	GENERAL NOTES	
						APPROVED RPEQ:10082				DATUM	SCALE	SIZE
						PAMELA ARCONADO DATE 26.09.2022				AHD	AS SHOWN	A1
										PROJECT/DRAWING No		REVISION
										30032066-01C-110		01








1. REFER 30032006-01C-220 FOR ROAD LONGITUDINAL AND CROSS SECTIONS.
2. REFER 30032006-01C-330 FOR DRAINAGE LONGITUDINAL SECTIONS AND SETOUT DETAILS.

1. ALL STORMWATER CONSTRUCTION IS TO BE AS PER THE IPSWICH CITY COUNCIL DEVELOPMENT MANUAL & STANDARD DRAWINGS.
2. MANHOLES ARE TO HAVE FINISHED LID LEVELS 75mm ABOVE THE FINISHED SURFACE LEVEL ON ALL SIDES EXCEPT IN PAVED AREAS WHERE THEY ARE TO BE FINISHED FLUSH. FINISHED SURFACE LEVELS SHOWN ON THE DRAWINGS MAY BE INTERPOLATED & SHOULD BE CONFIRMED ON SITE PRIOR TO COMPLETING CONSTRUCTION.
3. HEADWALLS ARE TO BE APPROVED PRECAST UNITS U.N.O. SLOPING HEADWALLS ARE TO BE USED IN ACCORDANCE WITH COUNCIL REQUIREMENTS. CAST INSITU HEADWALLS ARE TO BE AS PER QUEENSLAND DEPARTMENT OF MAIN ROADS STANDARD DETAILS & SPECIFICATIONS.
4. SIDE ENTRY PITS ARE TO BE PRECAST SIDE INLET GULLY LIP IN LINE. REFER TO LONGSECTIONS FOR KERB & LINTEL SIZE.
5. SEEPAGE HOLES ARE TO BE PROVIDED IN THE WALL OF ALL PITS TO ACCEPT FLOWS FROM PIPE BEDDING.
6. AN APPROVED CONVERTER SLAB SHALL BE USED UNDER THE CHAMBER FOR SHAFT DIAMETERS LARGER THAN 1050mm.
7. THE GEOMETRIC CENTRE SHALL BE TAKEN AS THE SETOUT POINT FOR ALL STRUCTURES, UNLESS DETAILED OTHERWISE.
8. IN INSTANCES WHERE REAR ALLOTMENT DRAINAGE IS NOT PROVIDED, THE CONTRACTOR SHALL INSTALL A ROOFWATER CONNECTION TO EACH PROPERTY BY ONE OF THE FOLLOWING METHODS, AS SHOWN ON THE LAYOUT PLAN:
  - TWO ROOFWATER KERB ADAPTOR 500mm FROM THE DOWNSTREAM BOUNDARY (UNLESS SHOWN ON A DIFFERENT ALIGNMENT). WHERE THERE IS A CONCRETE FOOTPATH, A ROOFWATER PIPE SHALL BE INSTALLED FROM THE PROPERTY BOUNDARY CONNECTED TO THE KERB ADAPTOR AT 1.25% MINIMUM GRADE IN ACCORDANCE WITH COUNCIL'S STANDARDS.
  - ONE 150Ø ROOFWATER PIPE CONNECTED TO PROPOSED STORMWATER GULLY PIT OR MANHOLE AT MINIMUM 1.0% GRADE WITH 1.0m COVER.
9. ALL PVC PIPES ARE TO BE MINIMUM CLASS SN8.
10. END CAPS SHALL BE INSTALLED ON ENDS OF ALL PIPES AND STUBS.
11. PROPERTY CONNECTIONS SHALL BE 100Ø UNLESS SHOWN OTHERWISE. THE CONTRACTOR SHALL EXTEND CONNECTIONS A MINIMUM OF 1.0m BEYOND ADJACENT SEWER LINES, WHERE APPLICABLE.

**Date: 12/03/2024**

**WARNING**  
**BEWARE OF UNDERGROUND SERVICES**  
The locations of underground services are approximate only and their exact position should be proven on site.  
No guarantee is given that all existing services are shown.  
Locate all underground services before commencement of works  
**DIAL 1100 BEFORE YOU DIG**  
[www.1100.com.au](http://www.1100.com.au)

REV 01	DATE 26.09.22	AMENDMENT / REVISION DESCRIPTION ISSUED FOR APPROVAL	DRAFT KG	DESIGN AY	WVR No. 0015	STATUS <div>SUBJECT TO APPROVAL</div>	<div><div><b>SMEC</b></div><div>Member of the Surbana Jurong Group</div><div>© ABN 47 065 475 149</div></div>	<div><div>0 5 10 20</div><div>Scale 1:500</div></div>	<div><div>CLIENT</div><div><b>LENNIUM</b></div><div>GROUP</div></div>	PROJECT NAME HIGHLAND - WALLOON STAGE 1C 197 TAYLORS ROAD, WALLOON IPSWICH CITY COUNCIL			DRAWING TITLE ROADWORKS AND DRAINAGE LAYOUT PLAN	
					APPROVED  PAMELA ARCONADO DATE 26.09.2022	RPEQ: 10082				DATUM AHD	SCALE AS SHOWN	SIZE A1	PROJECT/DRAWING No 30032066-01C-200	REVISION 01



ROAD	ROAD CLASSIFICATION	ASSUMED CBR	DESIGN ESAs	SURFACING	BASE	UPPER SUB BASE	LOWER SUB BASE	*SUBGRADE REPLACEMENT	TOTAL DEPTH
ROAD 4	ACCESS STREET	3	$1.0 \times 10^5$	35mm AC10	125mm	100mm	165mm	-	425mm

NOTES:

- # REFER TO CULDESAC DETAILS FOR LEVELS.

**Date:** 12/03/2024





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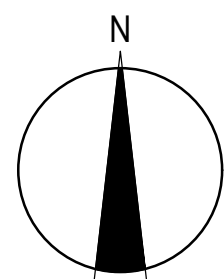
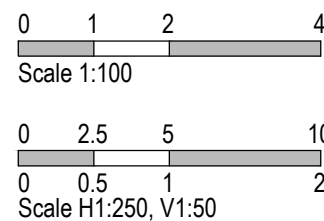
CUT / FILL DEPTH TO EXISTING SURFACE
DESIGN LEVELS
LIP LINE
EXISTING SURFACE LEVELS
CONTROL LINE CHAINAGE LIP LINE



1. ALL SETOUT INFORMATION SHOWN ON THIS DRAWING IS AVAILABLE IN DIGITAL FORMAT UPON REQUEST BY THE CONTRACTOR.
2. PRAM RAMP DETAILS - REFER TO I.C.C. SR.18
3. ALL KERB RADII ARE TO LIP OF KERB LINE UNLESS NOTED OTHERWISE.
4. ALL SETOUT POINTS ARE TO LIP OF KERB LINE UNLESS NOTED OTHERWISE.
5. SIGNAGE TO BE INSTALLED REFER AS PER MUTCD GUIDELINES. REFER AS 1742 & AS 1742.2 FOR ADDITIONAL INFORMATION.

www.1100.com.au

PAMELA ARCONADO DATE 26.09.2022



**LENNIUM**  
GROUP

**HIGHLAND - WALLOON  
STAGE 1C**  
197 TAYLORS ROAD, WALLOON  
IPSWICH CITY COUNCIL

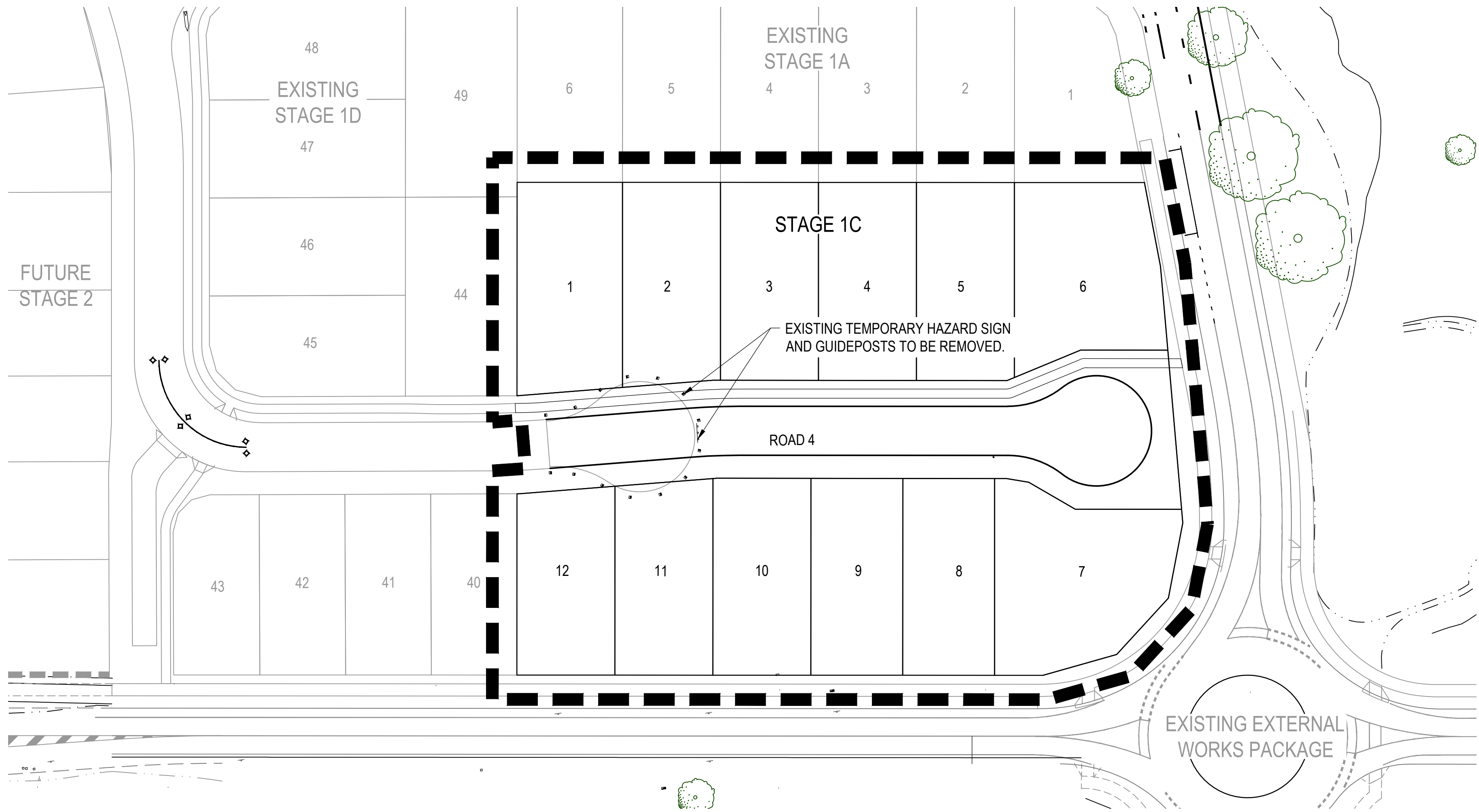
SIZE
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# ROADWORKS CULDESAC DETAILS LAYOUT PLAN

PROJECT\DRAWING No  
30032066-01C-260

VISION





LEGEND

EL

GW

STAGE BOUNDARY  
LINE MARKING - CONTINUOUS  
LINE MARKING - GIVEWAY  
ROAD SIGN  
STREET NAME SIGN - SINGLE  
STREET NAME SIGN - DOUBLE

- NOTES:
1.

ALL SIGNS AND LINEMARKING TO BE IN ACCORDANCE WITH THE MUTCD.
2.

LINE-MARKING AND SIGNAGE IS TO BE CONSTRUCTED IN ACCORDANCE WITH AS1742.2-2009 - PAVEMENT MARKINGS AND AS1742.10-2009 - PEDESTRIAN CONTROL AND PROTECTION.
3.

EXTENT OF LINE-MARKING IS TO BE VERIFIED ON SITE WITH THE SUPERINTENDENT PRIOR TO INSTALLATION.
4.

EXACT LOCATION OF ALL SIGNS IS TO BE VERIFIED ON SITE WITH THE SUPERINTENDENT PRIOR TO INSTALLATION.
5.

INSTALL TACTILE GROUND SURFACE INDICATORS (TGSI'S) TO AS1428 TO ALL NEW KERB RAMPS.
6.

REFER TO IPWEAQ STANDARD DRAWING SEQ R-130 FOR STREET SIGN DETAILS.
7.

REFER TO IPWEAQ STANDARD DRAWING SEQ R-131 FOR TRAFFIC SIGN DETAILS.

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						<div>APPROVED</div> <div></div> <div>PAMELA ARCONADO</div>			
						<div>RPEQ:10082</div>			
						<div>DATE 26.09.2022</div>			
								<div>DATUM AHD</div>	<div>REVISION 01</div>
								<div>SCALE AS SHOWN</div>	
								<div>SIZE A1</div>	
								<div>PROJECT/DRAWING No 30032066-01C-280</div>	

**SMEC**  
Member of the Surbana Jurong Group  
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Scale 1:500

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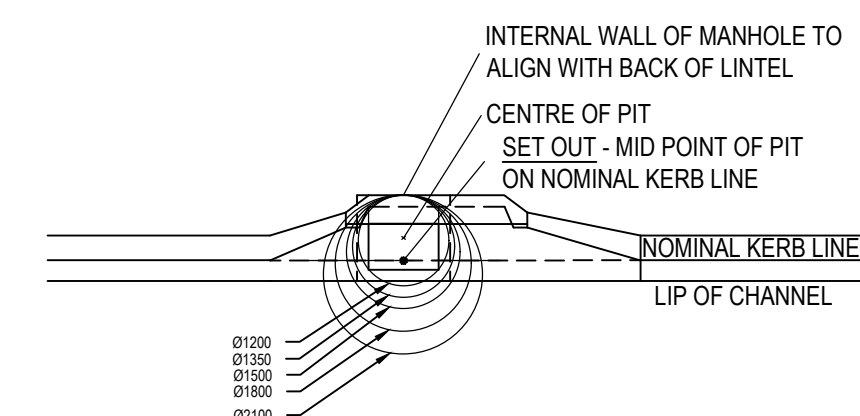


STRUCTURE NAME	8-2	7-2	6-2	5-2	4-2	3-2	2-2	1-2	3-50							
STRUCTURE DESCRIPTION	ICC LIL GULLY 2.4m Lintel; TYPE M1 K&C	ICC MANHOLE 1050mm DIA	ICC LIL GULLY 2.4m Lintel; TYPE M1 K&C	ICC LIL GULLY 2.4m Lintel; TYPE M1 K&C	TEMPORARY 835x930 FIELD INLET 2.4m Lintel; TYPE M1 K&C	TEMPORARY 835x930 FIELD INLET 2.4m Lintel; TYPE M1 K&C ON A 1200 DIA. MH	ICC LIL GULLY 2.4m Lintel; TYPE B1 K&C ON A 1500 DIA. 600 EXTN. MH	ICC TYPE A GULLY (SAG) L.I.L.; 3.6m Lintel; TYPE B1 K&C ON A 1500 DIA. 600 EXTN. MH	ICC TYPE A GULLY (SAG) L.I.L.; 3.6m Lintel; TYPE M1 K&C ON A 1.5 X 3m CUSTOM CHAMBER							
PIPE SIZE (mm)	375	375	375	375	375	600	600	1200x600	1500x600							
PIPE CLASS	2	2	2	2	2	2	2	BC	BC							
PIPE GRADE (%)	0.60%	1.95%	4.55%	4.02%	1.00%	0.50%	0.25%	0.25%								
PIPE SLOPE (1 in X)	167.70	51.40	21.97	24.89	100.00	200.00	400.00	400.00								
FULL PIPE VELOCITY (m/s)	0.88	1.13	1.35	2.02	1.21	1.33	0.55	0.46								
PART FULL VELOCITY (m/s)	1.33	2.23	3.19	3.37	2.23	1.73	1.24	1.21								
DATUM RL	48.0															
H.G.L. IN PIPE & W.S.E IN STRUCTURE (Q2)	64.473	64.179 64.134 64.150	64.023 63.736 63.736	63.632 61.713 61.713	61.531	58.560 58.560	58.487 58.345 58.345	58.267 58.226 58.238	58.202 58.194 58.200	58.171 58.168 58.174	58.075					
PIPE FLOW (Cumecs)		0.097	0.125	0.149	0.223	0.341	0.377	0.394	0.416							
PIPE CAPACITY AT GRADE (Cumecs)		0.135	0.245	0.374	0.352	0.614	0.434	0.947	1.240							
DEPTH TO INVERT	1.395	1.448	1.468	1.437	1.286	1.544	1.617	1.842	1.493	1.513	1.515					
INVERT LEVEL OF DRAIN	63.757	63.668	63.648	63.277	63.257	61.414	61.156	58.112	57.887	57.607	57.554	57.534	57.492	57.472	57.442	57.422
DESIGN SURFACE LEVEL	65.069	64.977	64.554	62.560	59.588	59.110	58.917	58.855	58.885	58.885	58.885	58.885	58.885	58.885	58.885	58.885
SETOUT COORDINATES	E 464955.865 N 6947904.404	E 464959.860 N 6947890.051	E 464978.743 N 6947892.566	E 465018.828 N 6947886.884	E 465094.066 N 6947877.934	E 465118.766 N 6947870.064	E 465129.392 N 6947871.306	E 465128.828 N 6947887.092	E 465140.055 N 6947887.515							
RUNNING CHAINAGE	0.000	14.925	19.068	40.487	75.769	150.248	25.937	10.714	12.070							

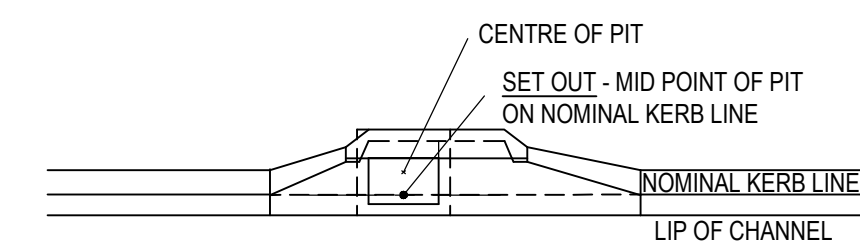
Stationing		Elevation		Width		Slope		Notes	
0.000	E 465092.580	59.592		58.297	1.426	0.061	0.374	58.823	<p>TEMPORARY 835x930 FIELD INLET 2.4m Inlet; TYPE M1 K&amp;C</p>
8.588			58.672					58.672	
8.588	N 6947869.476							58.560 58.560	
8.588	E 465094.066	59.588		57.907	1.822			58.487	<p>TEMPORARY 835x930 FIELD INLET 2.4m Inlet; TYPE M1 K&amp;C</p>
	N 6947877.934			57.887	1.842			56.487	

## NOTES

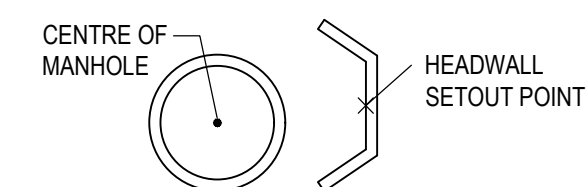
1. REFER PROJECT DRAWING 200 FOR STORMWATER DRAINAGE LAYOUT PLAN.
2. REFER PROJECT DRAWING 300 FOR STORMWATER OVERALL STAGE CATCHMENT PLAN.
3. 2 YEAR MINOR STORM EVENT FOR ACCESS STREETS AND 10 YEAR MINOR STORM EVENT FOR COLLECTOR STREETS & 100 YEAR MAJOR STORM EVENT HAVE BEEN ADOPTED.
4. STRUCTURE LOCATION CO-ORDINATES FOR ALL "SIDE ENTRY" PITS HAVE BEEN TAKEN ON THE NOMINAL KERB LINE AT THE PITS MID POINT. REFER DETAIL BELOW.
5. STRUCTURE LOCATION CO-ORDINATES FOR ALL "SIDE ENTRY PITS ON CIRCULAR MANHOLES HAVE BEEN TAKEN ON THE NOMINAL KERB LINE AT THE INLET PITS MID POINT. MANHOLES TO BE OFFSET TOWARD PAVEMENT. REFER DETAILS BELOW.
6. STRUCTURE LOCATION CO-ORDINATES FOR ALL MANHOLES HAVE BEEN TAKEN ON THE CENTRE OF EACH PIT. REFER DETAIL BELOW.
7. STRUCTURE LOCATION CO-ORDINATES FOR ALL HEADWALLS HAVE BEEN TAKEN AT THE DOWNSTREAM INVERT OF THE PIPE. REFER DETAIL BELOW.



### SIDE ENTRY PIT ON CIRCULAR MANHOLE SETOUT POINT






SIDE ENTRY PIT SETOUT POINT



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