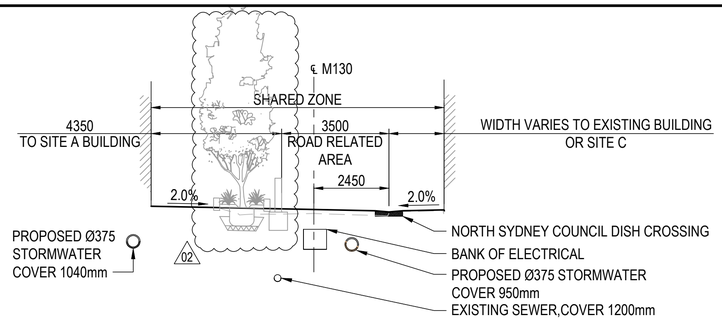
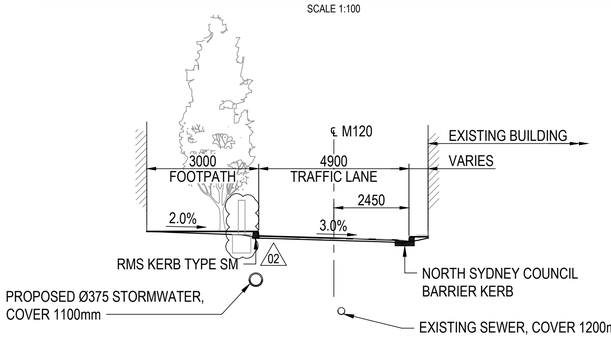


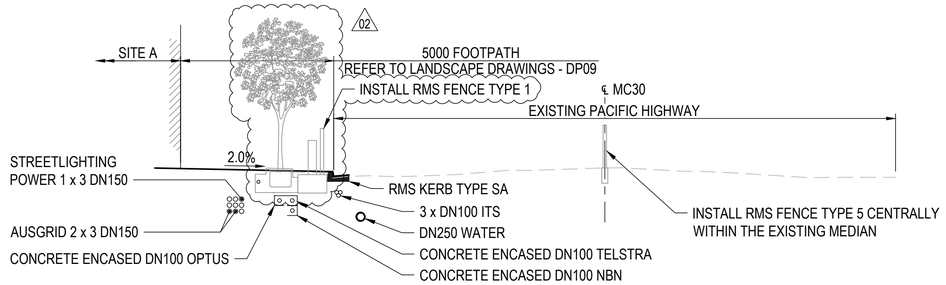
TYPICAL CROSS SECTION - CLARKE LANE - NORTH OF HUME STREET

SCALE 1:100



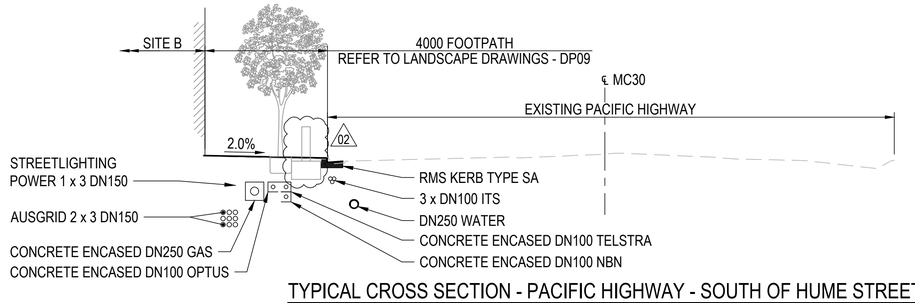
TYPICAL CROSS SECTION - CLARKE LANE - SOUTH OF HUME STREET

SCALE 1:100



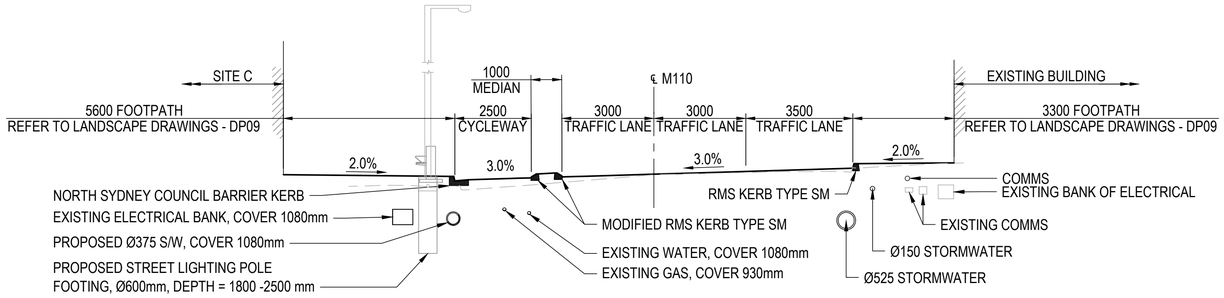
TYPICAL CROSS SECTION - PACIFIC HIGHWAY - NORTH OF HUME STREET

SCALE 1:100



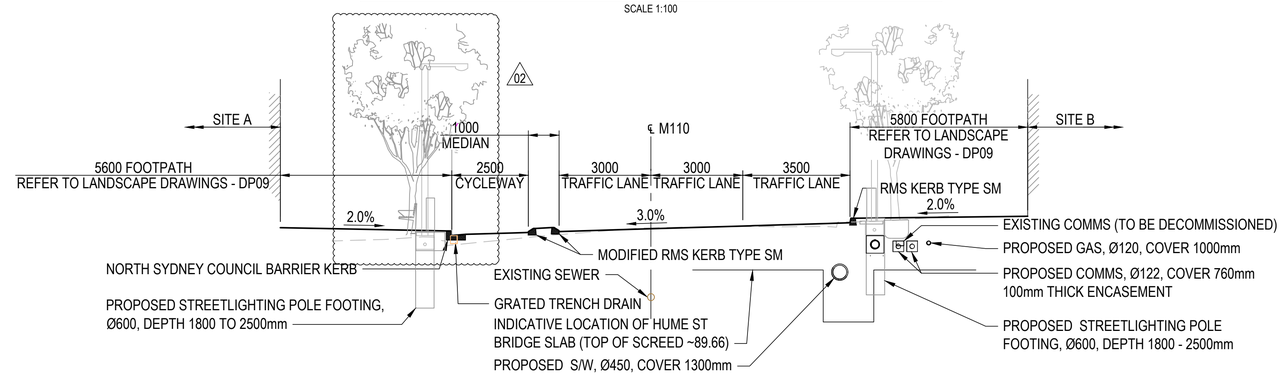
TYPICAL CROSS SECTION - PACIFIC HIGHWAY - SOUTH OF HUME STREET

SCALE 1:100



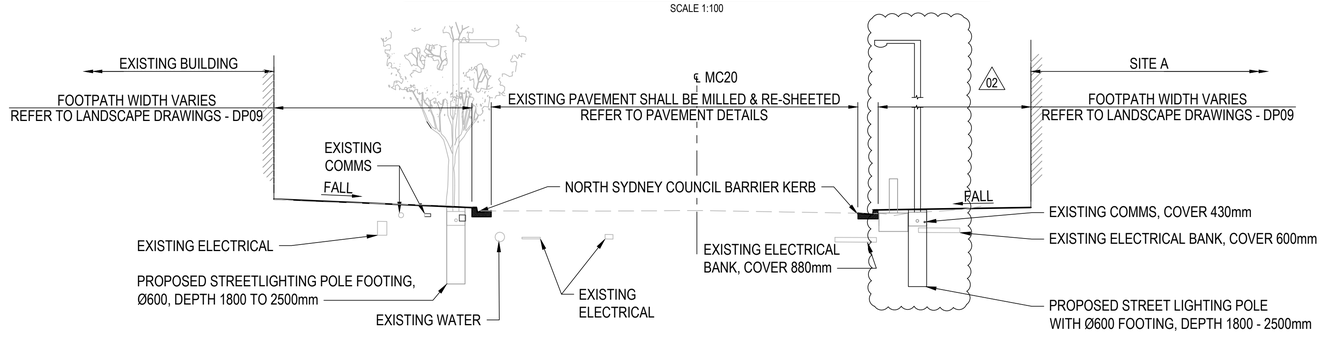
TYPICAL CROSS SECTION - HUME STREET - EAST OF CLARKE LANE

SCALE 1:100



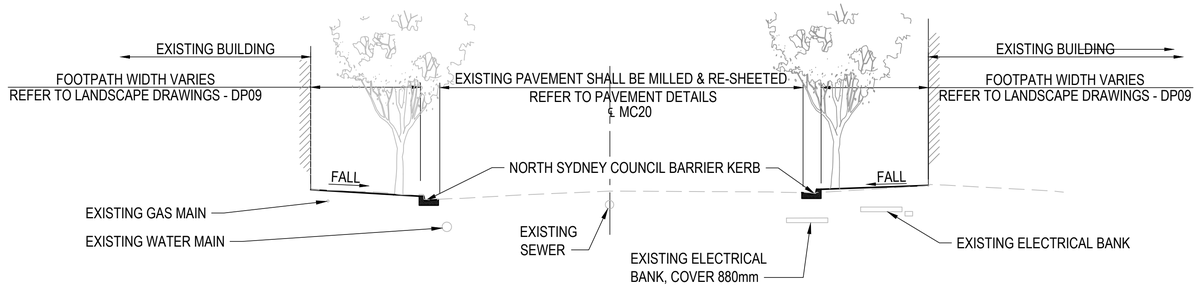
TYPICAL CROSS SECTION - HUME STREET - WEST OF CLARKE LANE

SCALE 1:100



TYPICAL CROSS SECTION - OXLEY STREET (EAST OF PACIFIC HIGHWAY TO CLARKE LANE)

SCALE 1:100



TYPICAL CROSS SECTION - OXLEY STREET (FROM CLARKE LANE TO CLARKE STREET)

SCALE 1:100

APPROVED BY TfNSW: CCR 131203 DATED: 01.04.20

FOR CONSTRUCTION

REV.	BY	DATE	DESCRIPTION	APPD.
02	DW	11.09.20	STREET FURNITURE & PEDESTRIAN CROSSING AMENDED	BW
01	AWB	26.06.20	RMS FENCE TYPE AMENDED	BW
00	MT	07.04.20	APPROVED FOR CONSTRUCTION	BW

SCALES

1:100 — 1 0 1 2 3 4m — FULL SIZE A1

CLIENT

NSW GOVERNMENT | sydney METRO

The information shown on this drawing is for the purposes of the Sydney Metro Project only. No warranty is given or implied as to its suitability for any other purpose. The Service Providers accept no liability arising from the use of this drawing and the information shown thereon for any purpose other than the Sydney Metro Project.

SERVICE PROVIDERS

CNDC Crows Nest Design Consortium

DRAWN	MICHAEL TARRANT
DESIGNED	RAMI BESHAY
DRG CHECK	BARRIE EVANS
DESIGN CHECK	BRADLEY WOLFF
APPROVED	WILLEM VAN EDE 26.06.2020

SYDNEY METRO

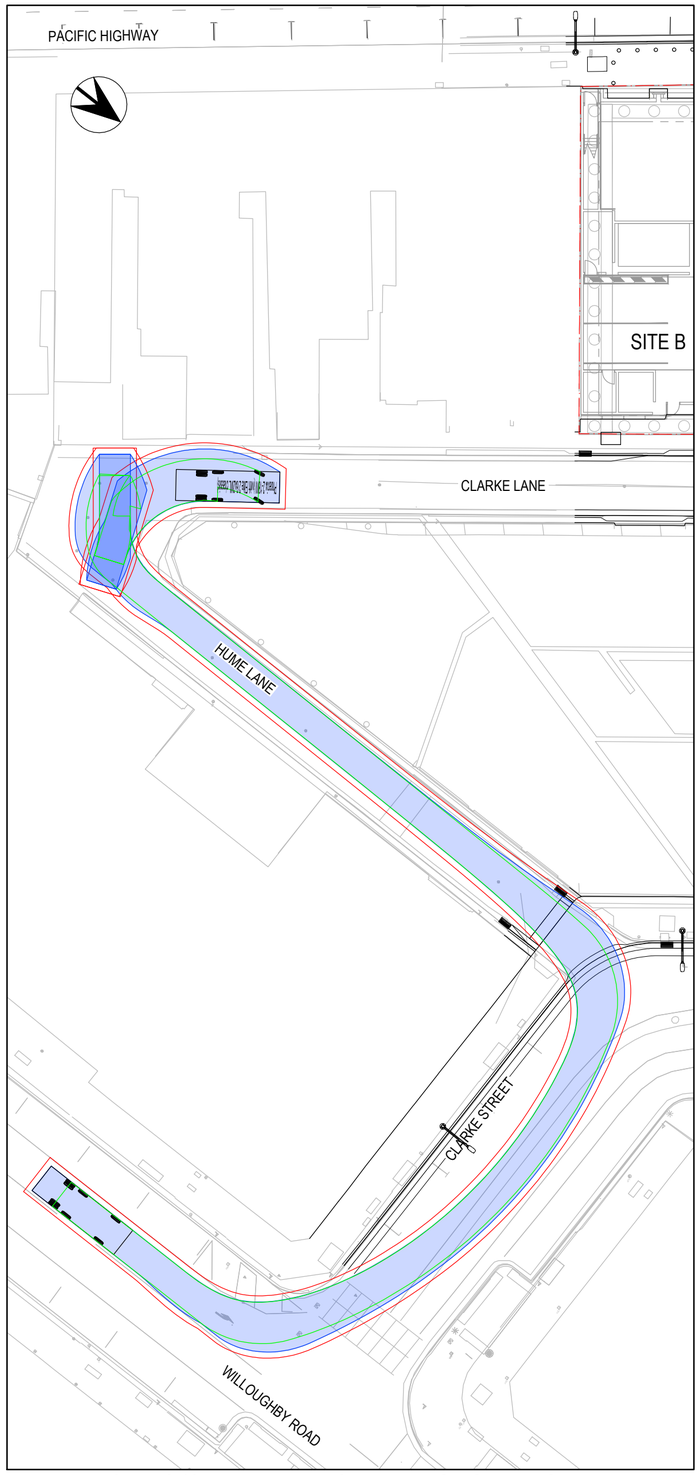
CROWS NEST STATION
CIVIL ENGINEERING
ROAD
TYPICAL CROSS SECTIONS - SHEET 1

A1 Original	Co-ordinate System: MGA Zone 56	Height Datum: A.H.D.
This sheet may be prepared using colour and may be incomplete if copied	NOTE: Do not scale from this drawing.	ALT. DRG No.

STATUS: FOR CONSTRUCTION | SHEET 1 OF 2 | ©

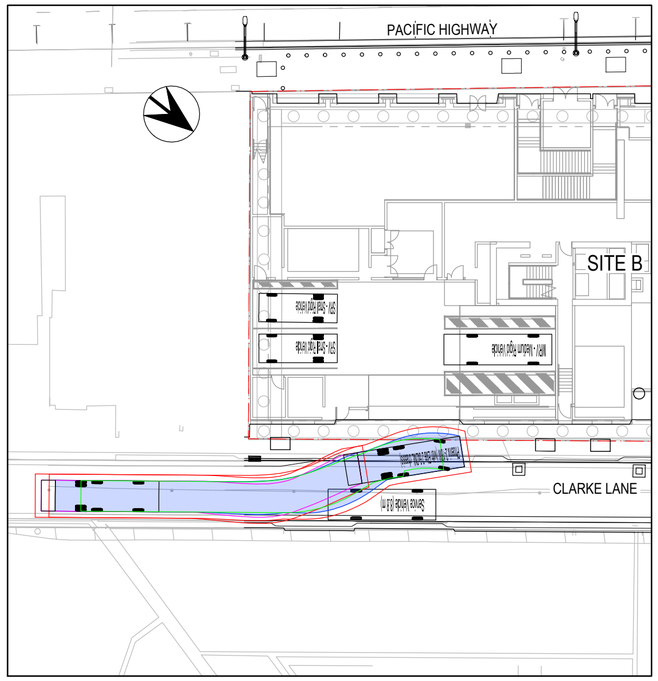
DRG No SMCSWSCN-SMC-SCN-CE-DWG-107001 | REV. 02

Cad File: V:_Vault\Projects\30012631\CADD\WG\CE_CIVIL_ENGINEERING\SMCS\WSCN-SMC-SCN-CE-DWG-107001.dwg
Plot Date: 11/09/20 - 16:41
100mm AT FULL SIZE



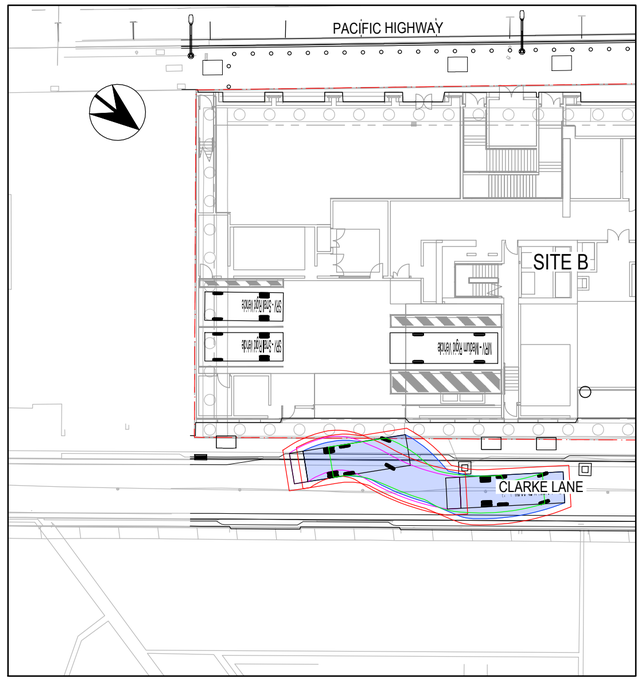
PHOENIX2-18W - ENTRY MANOEUVRE FROM CLARKE STREET TO LOADING ZONE (SITE B) THROUGH CLARKE LN (THREE POINTS RETURN)

SCALE 1:250



PHOENIX2-18W - ENTRY MANOEUVRE FROM CLARKE ST AT LOADING ZONE (SITE B) THROUGH CLARKE LN

SCALE 1:250

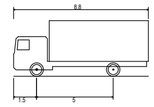


PHOENIX2-18W - EXIT MANOEUVRE TO CLARKE LN AT LOADING DOCK (SITE B)

SCALE 1:250

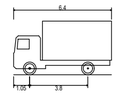
LEGEND

- VEHICLE BODY CLEARANCE
- VEHICLE BODY LINE
- TYRE LINE



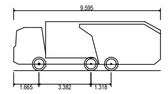
MRV - MEDIUM RIGID VEHICLE

OVERALL LENGTH	8.800m
OVERALL WIDTH	2.500m
OVERALL BODY HEIGHT	3.633m
MIN BODY GROUND CLEARANCE	0.428m
TRACK WIDTH	2.500m
LOCK-TO-LOCK TIME	4.00s
CURB TO CURB TURNING RADIUS	10.000m



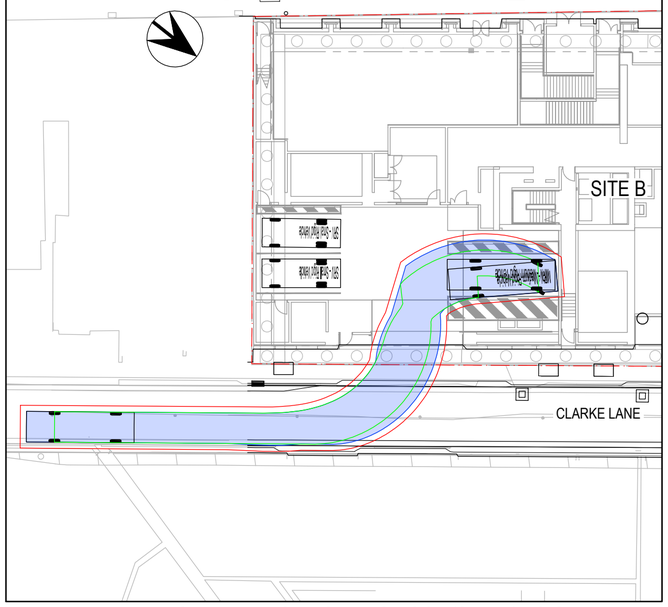
SRV - SMALL RIGID VEHICLE

OVERALL LENGTH	6.400m
OVERALL WIDTH	2.330m
OVERALL BODY HEIGHT	3.500m
MIN BODY GROUND CLEARANCE	0.398m
TRACK WIDTH	2.330m
LOCK-TO-LOCK TIME	4.00s
CURB TO CURB TURNING RADIUS	7.100m



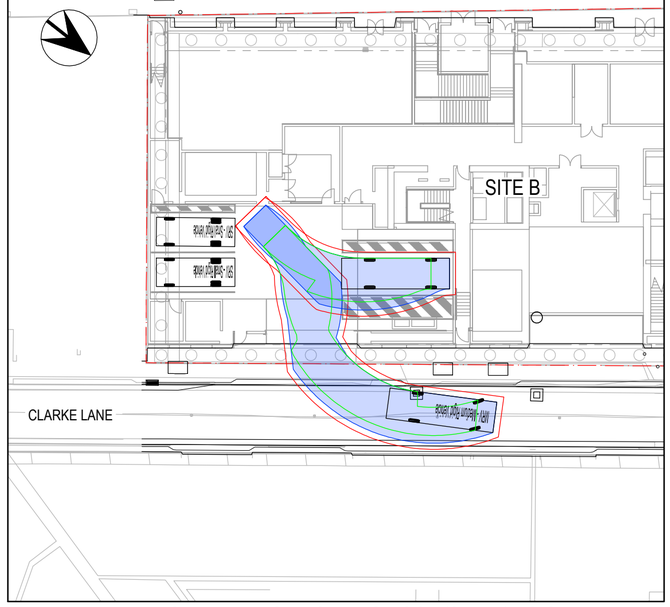
PHOENIX 2-18W (WITH ELITE 2 6X2ML CHASSIS)

OVERALL LENGTH	9.595m
OVERALL WIDTH	2.530m
OVERALL BODY HEIGHT	3.205m
MIN BODY GROUND CLEARANCE	0.410m
TRACK WIDTH	2.500m
LOCK-TO-LOCK TIME	4.00s
CURB TO CURB TURNING RADIUS	8.950m



MRV - ENTRY MANOEUVRE FROM LOADING DOCK (SITE B) TO CLARKE LN

SCALE 1:250



MRV - EXIT MANOEUVRE FROM LOADING DOCK (SITE B) TO CLARKE LN

SCALE 1:250

FOR INFORMATION

REV.	BY	DATE	DESCRIPTION	APPD.
C	AWB	23.04.20	RE-ISSUED FOR INFORMATION	
B	AWB	05.02.20	RE-ISSUED FOR INFORMATION	
A	MT		ISSUE FOR INFORMATION	

VOID - IN PROGRESS

SCALES: 2.5 0 2.5 5 7.5m — 1:250 FULL SIZE A1

CHECK PRINT — PRELIM. ☐ FINAL ☐

	INITIAL	DATE
DISCIPLINE		
DISCIPLINE		
DISCIPLINE		
BACKDRAFTED/CORRECTED		
CONFIRMED		

CLIENT: NSW GOVERNMENT | sydney METRO

The information shown on this drawing is for the purposes of the Sydney Metro Project only. No warranty is given or implied as to its suitability for any other purpose. The Service Providers accept no liability arising from the use of this drawing and the information shown thereon for any purpose other than the Sydney Metro Project.

SERVICE PROVIDERS: CNDC Crows Nest Design Consortium

DRAWN MICHAEL TARRANT
DESIGNED RAMI BESHAY
DRG CHECK
DESIGN CHECK
APPROVED

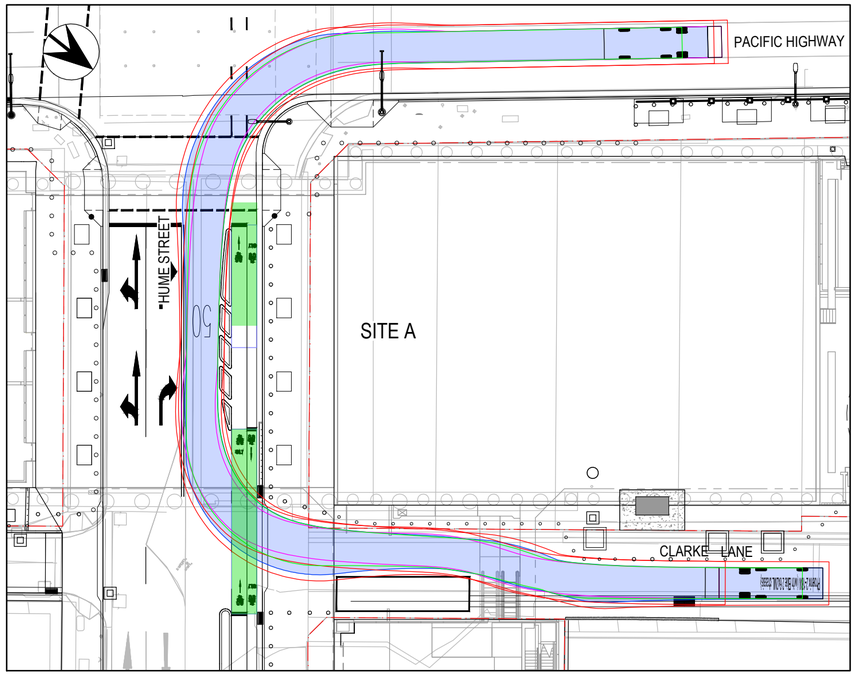
SYDNEY METRO
CROWS NEST STATION
CIVIL ENGINEERING
VEHICLE TURNING MANOEUVRE - LOADING DOCK (SITE B)
PLAN

STATUS: FOR INFORMATION | SHEET 9 OF 14 | ©

DRG No SMCSWSCN-SMC-SCN-CE-SKE-607009 | REV. C

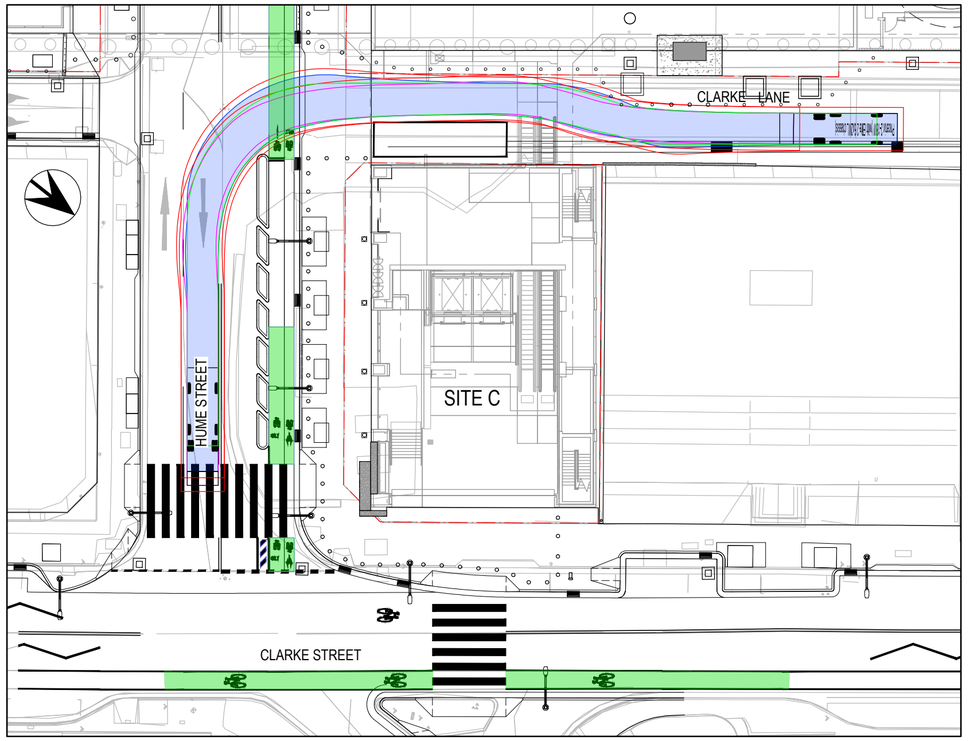
A1 Original | Co-ordinate System: MGA Zone 56 | Height Datum: A.H.D. | This sheet may be prepared using colour and may be incomplete if copied | NOTE: Do not scale from this drawing. | ALT. DRG No.

Plot Date: 06/11/20 - 06:52 Cad File: V:\..\Vault\Projects\30012631\CAD\Sketches\SMCSWSCN-SMC-SCN-CE-SKE-607009.dwg 100mm AT FULL SIZE



PHOENIX2-18W - LEFT TURN FROM PACIFIC HWY TO HUME ST

SCALE 1:250

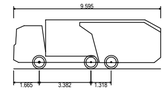


PHOENIX2-18W - ENTRY MANOEUVRE TO CLARKE LN

SCALE 1:250

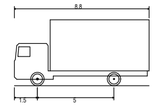
LEGEND

- VEHICLE BODY CLEARANCE
- VEHICLE BODY LINE
- TYRE LINE



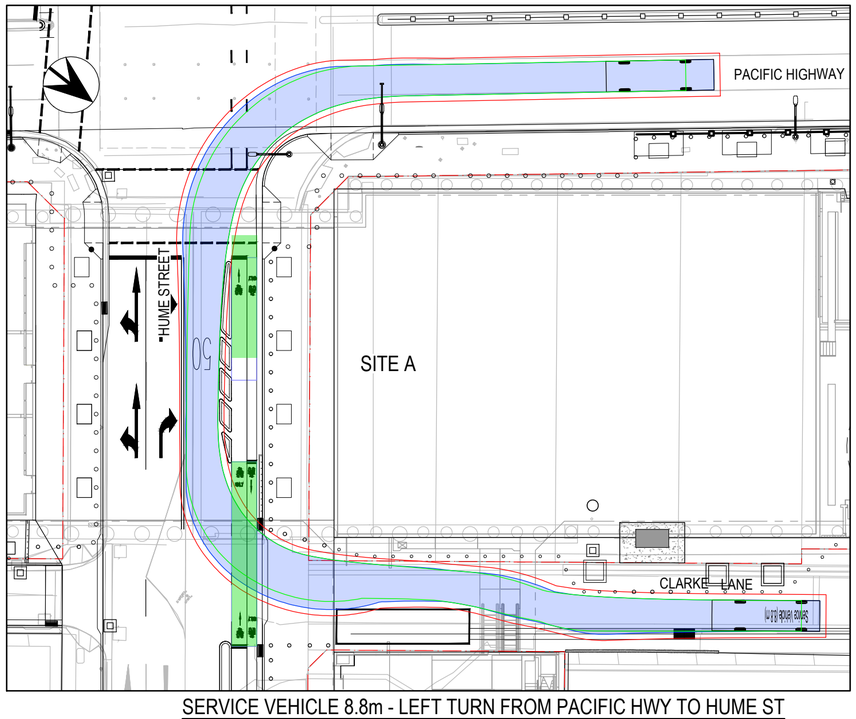
PHOENIX 2-18W (WITH ELITE 2 6X2ML CHASSIS)

OVERALL LENGTH	9.595m
OVERALL WIDTH	2.530m
OVERALL BODY HEIGHT	3.205m
MIN BODY GROUND CLEARANCE	0.410m
TRACK WIDTH	2.500m
LOCK-TO-LOCK TIME	4.00s
CURB TO CURB TURNING RADIUS	8.950m



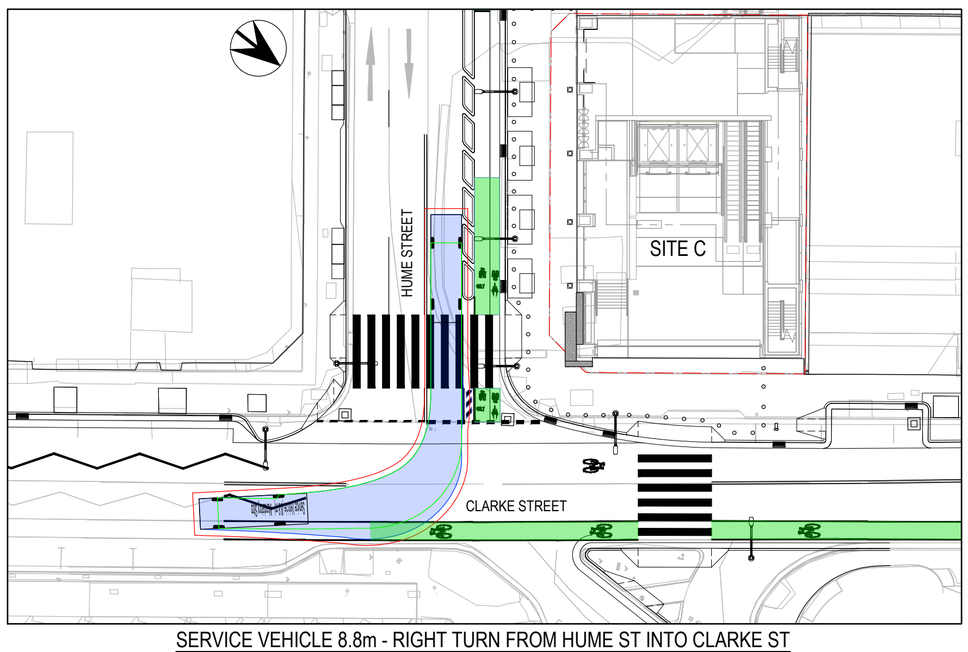
SERVICE VEHICLE (8.8 m)

OVERALL LENGTH	8.800m
OVERALL WIDTH	2.500m
OVERALL BODY HEIGHT	4.300m
MIN BODY GROUND CLEARANCE	0.427m
TRACK WIDTH	2.500m
LOCK-TO-LOCK TIME	4.00s
CURB TO CURB TURNING RADIUS	12.500m



SERVICE VEHICLE 8.8m - LEFT TURN FROM PACIFIC HWY TO HUME ST

SCALE 1:250



SERVICE VEHICLE 8.8m - RIGHT TURN FROM HUME ST INTO CLARKE ST

SCALE 1:250

FOR INFORMATION

REV.	BY	DATE	DESCRIPTION	APPD.
C	AWB	23.04.20	RE-ISSUED FOR INFORMATION	
B	AWB	05.02.20	RE-ISSUED FOR INFORMATION	
A	MT		ISSUE FOR INFORMATION	

WORK IN PROGRESS

SCALES: 2.5 0 2.5 5 7.5m — 1:250 FULL SIZE A1

CHECK PRINT — PRELIM. INITIAL / FINAL DATE

DISCIPLINE		
DISCIPLINE		
DISCIPLINE		
BACKDRAFTED/CORRECTED		
CONFIRMED		

CLIENT: NSW GOVERNMENT — sydney METRO

SERVICE PROVIDERS: CNDC Crows Nest Design Consortium

The information shown on this drawing is for the purposes of the Sydney Metro Project only. No warranty is given or implied as to its suitability for any other purpose. The Service Providers accept no liability arising from the use of this drawing and the information shown thereon for any purpose other than the Sydney Metro Project.

DRAWN MICHAEL TARRANT
DESIGNED RAMI BESHAY
DRG CHECK
DESIGN CHECK
APPROVED

SYDNEY METRO

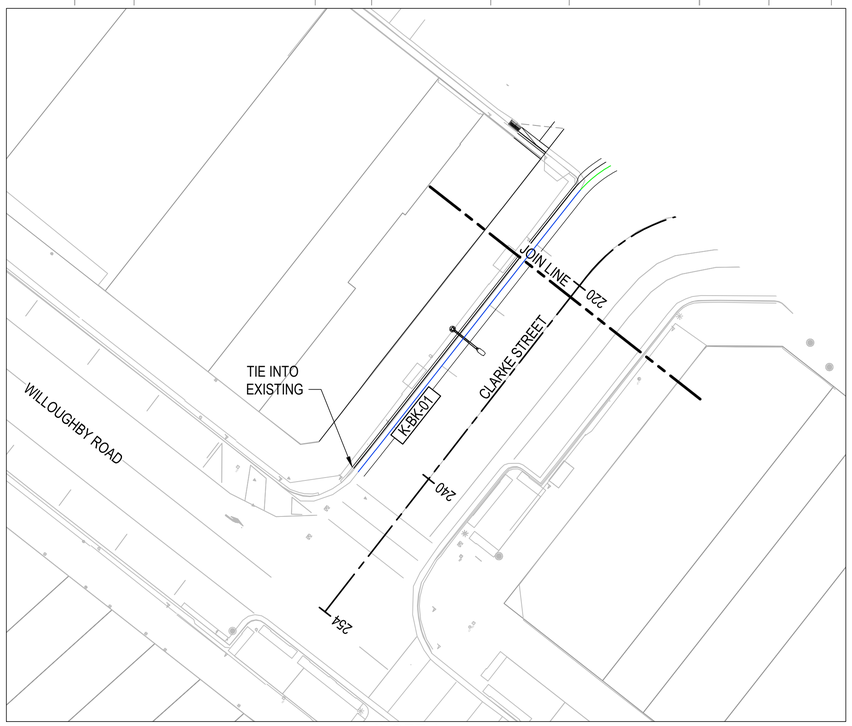
CROWS NEST STATION
CIVIL ENGINEERING
VEHICLE TURNING MANOEUVRE
HUME STREET SOUTH OF PACIFIC HIGHWAY - PLAN

STATUS: FOR INFORMATION | SHEET 4 OF 14 | ©

DRG No SMCSWSCN-SMC-SCN-CE-SKE-607004 | REV. C

A1 Original | Co-ordinate System: MGA Zone 56 | Height Datum: A.H.D. | This sheet may be prepared using colour and may be incomplete if copied | NOTE: Do not scale from this drawing. | ALT. DRG No.

Cad File: V:_Vault\Projects\30012631\CAD\Sketches\SMCSWSCN-SMC-SCN-CE-SKE-607004.dwg
Plot Date: 06/11/20 - 06:51
100mm AT FULL SIZE



INSET A
SCALE 1:250

LEGEND

- PROJECT BOUNDARY
- KR KISS AND RIDE BAY
- AKR ACCESSIBLE KISS AND RIDE BAY
- TAXI TAXI BAY
- PROPOSED NSC BARRRIER KERB
- PROPOSED NSC LAYBACK
- PROPOSED MODIFIED BARRIER KERB
- PROPOSED MODIFIED DISH DRAIN
- PROPOSED MODIFIED SM KERB
- PROPOSED RMS KERB TYPE SA
- PROPOSED RMS KERB TYPE SF
- PROPOSED RMS KERB TYPE SM
- PROPOSED TRENCH DRAIN
- PROPOSED STORMWATER PITS
- DOWNPIPES (INDICATIVE)
- T DENOTES KERB TRANSITION
- PROPOSED BOLLARD
- PROPOSED RMS FENCE TYPE 5 03
- PROPOSED RMS FENCE TYPE 1
- PROPOSED RETAINING WALL
- PROPOSED STREET LIGHT
- EXISTING STREET LIGHT
- PROPOSED TRAFFIC SIGNAL POST
- PROPOSED TCS PIT
- PROPOSED ELECTRICAL PIT
- PROPOSED STREET LIGHTING PIT
- PROPOSED COMMS PIT
- PROPOSED EARTH ELECTRODE PIT

NOTES:

1. NSC DENOTES NORTH SYDNEY COUNCIL.
2. ALL NEW KERB RAMPS SHALL BE A MINIMUM WIDTH OF 1.50m UNLESS NOTED OTHERWISE.
3. ALL DRAINAGE OUTLETS FOR THE TREE PITS AS PER NSC STANDARD DRG No S604 SHALL BE CONNECTED INTO THE STORMWATER DRAINAGE SYSTEM USING A MINIMUM DN50 PVC, CLASS PN9, PIPE OR APPROVED EQUIVALENT. 03
5. BOLLARD FOOTINGS AND TSE PILE CAP HAVE BEEN REMOVED FOR CLARITY.

EXISTING BUS STOP ON THE PACIFIC HIGHWAY ADJACENT TO HUME STREET INTERSECTION, BUS STOP ID:206512, SHALL BE RELOCATED CLOSE TO THE OXLEY STREET INTERSECTION

JOINS DRG No SMCSWSCN-SMC-SCN-CE-DWG-207013

PACIFIC HIGHWAY

K-SF-02 TIE INTO EXISTING

MULTIFUNCTIONAL POLE

Kerbed median
new street light pole
new tree
tree
K-SA-03
Pram ramp moved

TIE INTO EXISTING

EXISTING LINEMARKING FOR CAR PARKING BAYS ON THE SOUTHBOUND CARRIAGEWAY OF THE PACIFIC HWY SHALL BE REMOVED BETWEEN CH55 TO CH260

SITE B

BI-DIRECTIONAL CYCLEWAY

SELECTED GREEN COLOURED SURFACE COATING FOR BI-DIRECTIONAL CYCLEWAY AS PER SPECIFICATION CST R110

TIE INTO EXISTING

Extent of rolled kerb

LOADING DOCK SITE B

K-MBK-01 K-MVC-01 K-MSM-04 K-MVC-02 K-MSM-05 K-MBK-04 K-MVC-03 K-MBK-03 K-MVC-04 CLARKE LANE

K-MBK-02 TIE INTO EXISTING

K-MSM-12 K-MSM-13 K-MSM-14 K-MSM-15 K-MSM-16 K-BK-07 K-SM-26 K-VC-03 K-VC-04

K-MSM-19 K-MSM-20 K-MSM-21 K-BK-04 K-SM-27 K-VC-02 K-MSM-22 K-MSM-23 K-MSM-24 K-MSM-25 K-SM-28

HUME STREET

JOINS DRG No SMCSWSCN-SMC-SCN-CE-DWG-207012

SELECTED GREEN COLOURED SURFACE COATING FOR BI-DIRECTIONAL CYCLEWAY AS PER SPECIFICATION CST R110

HUME LANE

TRANSITION TO EXISTING KERBS

K-VC-01 K-BK-02

FOR CONTINUATION REFER TO INSET A

CLARKE STREET

K-BK-01

HUME LANE

APPROVED BY TfNSW: CCR 131203 DATED: 01.04.20

FOR CONSTRUCTION

REV.	BY	DATE	DESCRIPTION	APPD.
03	DW	11.09.20	STREET FURNITURE & PEDESTRIAN CROSSING AMENDED	BW
02	DW	20.08.20	APPROVED FOR CONSTRUCTION	BW
01	AWB	26.06.20	LEGEND, KERBS- K-SA-03 & K-MSM-12 & L/MARKING- HUME ST AMENDED	BW
00	MT	07.04.20	APPROVED FOR CONSTRUCTION	BW

SCALES
2.5 0 2.5 5 7.5m
1:250 FULL SIZE A1

KEY PLAN
207013 207011 207012

CLIENT
NSW GOVERNMENT | sydney METRO

The information shown on this drawing is for the purposes of the Sydney Metro Project only. No warranty is given or implied as to its suitability for any other purpose. The Service Providers accept no liability arising from the use of this drawing and the information shown thereon for any purpose other than the Sydney Metro Project.

SERVICE PROVIDERS
CNDC Crows Nest Design Consortium

DRAWN MICHAEL TARRANT
DESIGNED RAMI BESHAY
DRG CHECK BARRIE EVANS
DESIGN CHECK BRADLEY WOLFF
APPROVED WILLEM VAN EDE 26.06.2020

SYDNEY METRO
CROWS NEST STATION
CIVIL ENGINEERING
GENERAL ARRANGEMENT
PLAN SHEET 1

STATUS: FOR CONSTRUCTION | SHEET 1 OF 3 | ©
DRG No SMCSWSCN-SMC-SCN-CE-DWG-207011 | REV. 03

A1 Original | Co-ordinate System: MGA Zone 56 | Height Datum: A.H.D. | This sheet may be prepared using colour and may be incomplete if copied | NOTE: Do not scale from this drawing. | ALT. DRG No.

Cad File: V:\...\Vault\Projects\30012631\CAD\DWG\CE_CIVIL_ENGINEERING\SMCSWSCN-SMC-SCN-CE-DWG-207011.dwg
Plot Date: 11/09/20 - 16:42
100mm AT FULL SIZE