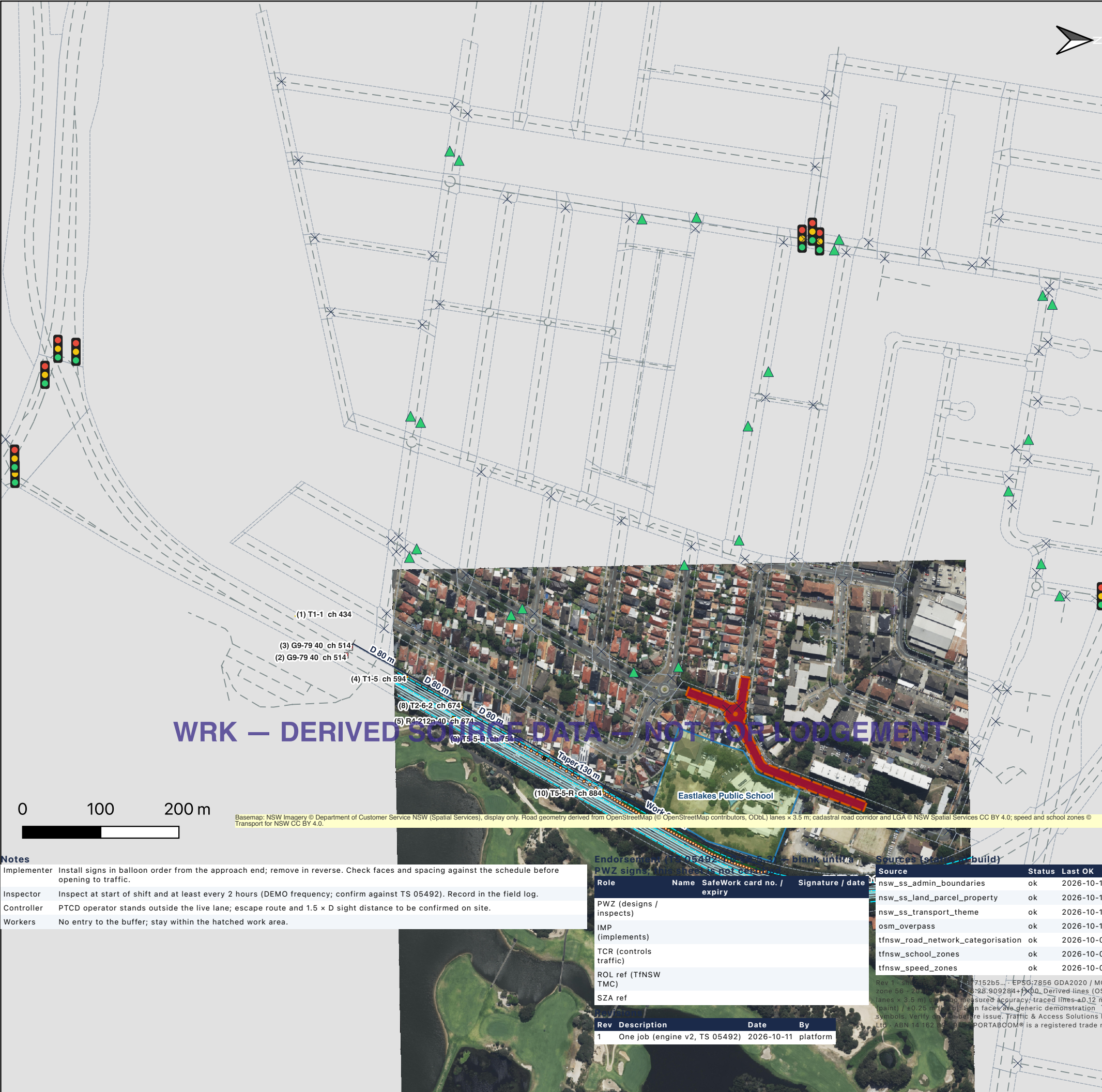




- Notes
- Implementer

Install signs in balloon order from the approach end; remove in reverse. Check faces and spacing against the schedule before opening to traffic.
- Inspector

Inspect at start of shift and at least every 2 hours (DEMO frequency; confirm against TS 05492). Record in the field log.
- Controller

PTCD operator stands outside the live lane; escape route and 1.5 x D sight distance to be confirmed on site.
- Workers

No entry to the buffer; stay within the hatched work area.

Endorsement (TS 05492) — blank until signed

Role	Name	SafeWork card no. / expiry	Signature / date
PWZ (designs / inspects)			
IMP (implements)			
TCR (controls traffic)			
ROL ref (TfNSW TMC)			
SZA ref			

Rev	Description	Date	By
1	One job (engine v2, TS 05492)	2026-10-11	platform

Sources (to be built)

Source	Status	Last OK
nsw_ss_admin_boundaries	ok	2026-10-10
nsw_ss_land_parcel_property	ok	2026-10-10
nsw_ss_transport_theme	ok	2026-10-10
osm_overpass	ok	2026-10-10
tfnswn_road_network_categorisation	ok	2026-10-08
tfnswn_school_zones	ok	2026-10-08
tfnswn_speed_zones	ok	2026-10-08

Rev 1 - signed 2026-10-10 15:28:50Z by 17152b5... - EPSG:7856 GDA2020 / MGA zone 56 - 20 m resolution - 5:28:50Z 284+17000_Derived-lines (OSM lanes x 3.5 m) and measured accuracy; traced lines ±0.12 m (point) / ±0.25 m (line). Sign faces are generic demonstration symbols. Verify and update before issue. Traffic & Access Solutions Pty Ltd - ABN 14 162 85 611 - PORTABOOM® is a registered trade mark

Legend

- Equipment (suggested set-out)
- PORTABOOM® unit (4.0 m boom, to scale)

Sign 0.9 m (face artwork, generic demonstration; to scale, 1 mm floor)

Sign (no artwork; code labelled)

Cone 450 mm (to scale, 1 mm floor)

Flashing arrow sign (trailer, 2.4 m, to scale)

Other equipment

Dimensions (set-out, m)

Direction of travel
- Proposed arrangement
- Work area (green cross-hatch, TCAWS App D.2)

Longitudinal buffer (cone line + dimension, not shaded)

Merge taper (cone line + dimension, not shaded)

Worker protective zone
- Traced from imagery (lane lines, asphalt edges)
- Lane line traced from imagery (±0.12 m)

Asphalt road from imagery (±0.05 m)
- Constraints (OSM, unverified)
- Traffic signals (OSM)

Pedestrian crossing (OSM)

Bus stop (OSM)

School grounds (OSM)

TfNSW school zone (40 km/h, times)

Dividing line (3 m / 9 m, assumed)

Lane line (3 m / 9 m, assumed)

Kerb line (derived)

Carriageway (derived)

Footpath (derived 2.0 m)

Road corridor (cadastre)

Other roads (OSM centrelines)

Chainage (m, along OSM way)

Arrangement

TGS type	Site specific, TAS worksite engine (draft)
Works window	14/10/26 09:30 → 14/10/26 14:30
Arrangement	lane_closure
Posted / work zone speed	80 / 40 km/h (TfNSW speed zone; Table 19)
Lanes in direction / closed	3 northbound (OSM lanes tag); kerbside lane closed
Work length	200 m
Dimension D / taper / buffer	80.0 m (\$14.3) / 130.0 m (Table 74) / 30.0 m (\$14.6.2.4)
Worker clearance / night	0.5 m / no
Rule edition	NSW-TS05492-1.0 (TAS working values, unreviewed)

Sign schedule (balloon numbers match the plan; install in order, remove in reverse)

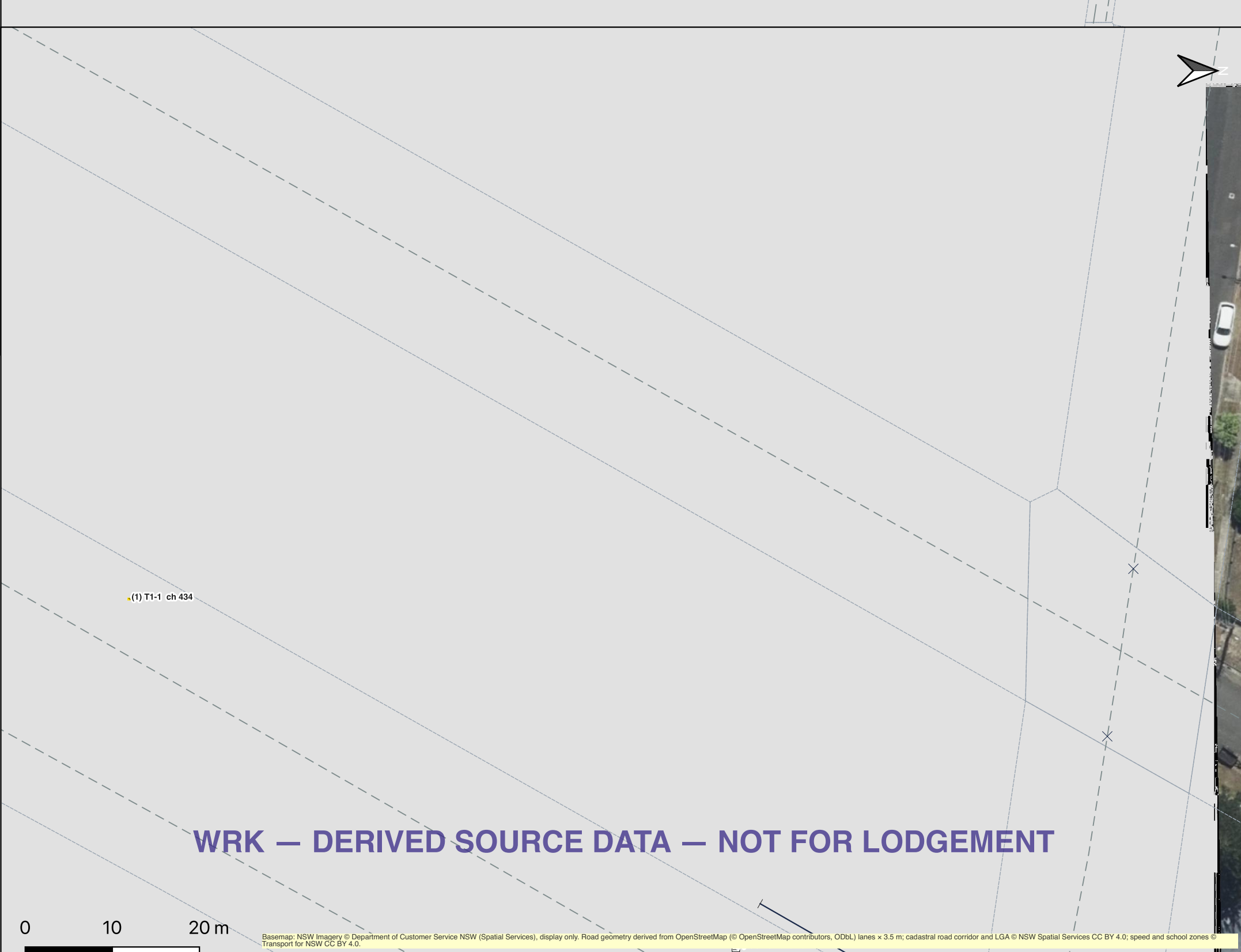
No	Code	Message / role	Ch (m)	State
1	T1-1	Roadwork Ahead	434	suggested
2	G9-79 (40)	Speed Limit Ahead 40 km/h	514	suggested
3	G9-79 (40)	Speed Limit Ahead 40 km/h	514	suggested
4	T1-5	Workers (Symbolic)	594	suggested
5	R4-212n (40)	Speed Limit Road Work 40 km/h	674	suggested
6	R4-212n (40)	Speed Limit Road Work 40 km/h	674	suggested
7	T2-6-2	Left Lane Closed (Symbolic - 2 lanes in direction of travel)	674	suggested
8	T2-6-2	Left Lane Closed (Symbolic - 2 lanes in direction of travel)	674	suggested
9	T5-5-R	Hazard Warning Marker (right)	754	suggested
10	T5-5-R	Hazard Warning Marker (right)	884	suggested
11	R4-1 (80)	Speed Limit (symbolic) 80 km/h	1194	suggested
12	T2-16	End Roadwork	1194	suggested

Quantities (this stage)

Item	Qty
Signs	12
Cones (450 mm)	77
Flashing arrow sign (trailer)	1

Findings — planning aids, not a statement of compliance

Rule	Outcome	Detail
SAFETY_BUFFER_30M	OK	safety buffer 30 m
CONE_SPACING_T50	OK	taper cones at most 9 m, lane-line cones at most 4 m (device zone 40 km/h)
SPEED_ZONE_AUTHORISATION	ATTENTION	speed zone authorisation needed for the 40 km/h zone (\$11.7.7)
SCHOOL_200M	ATTENTION	1 school(s) within 200 m (Eastlakes Public School; nearest 8.6 m)
MIN_LIVE_LANE_WIDTH	ATTENTION	remaining lane 0.91 m (median of 3 traced stations, min 0.68 m)
CONE_EDGE_CLEARANCE	OK	cone line 0.5 m inside the lane line (Table 49)
HAZARD_MARKERS	OK	2 x T5-5 on the closed lane at the taper; flashing arrow sign placed (required: motorway or >=90 km/h high volume (\$14.7.3.2.4))
TAPER_LENGTH_T74	OK	merge taper 130 m (Table 74 at 80 km/h)
LANE_STATUS_SIGN	OK	T2-6-2 at 80 m before the taper (D = 80 m)
SIGN_FACES	OK	10 signs, every code named in TS 05492 and its face checked against the name
BUS_STOP_30M	OK	no bus stop within 30 m
SPEED_AHEAD_SIGN	OK	G9-79 placed and duplicated (80 to 40 km/h)
STATE_ROAD_100M	ATTENTION	State road within 100 m (nearest 1.8 m): Road Occupancy Licence likely
TEMP_SPEED_ZONE	ATTENTION	40 km/h zone (Table 19: workers within 1.5 m of the live lane); R4-212n at the zone start, R4-1 80 after the work area
SCHOOL_ZONE_50M	OK	no school zone within 50 m
SIGHT_DISTANCE	NOT CHECKABLE	needs 120 m (1.5 D urban); no elevation model loaded
SIGNALS_100M	NOT CHECKABLE	no OSM signal within 100 m (no open NSW signal data)



Notes

Implementer

Install signs in balloon order from the approach end; remove in reverse. Check faces and spacing against the schedule before opening to traffic.

Inspector

Inspect at start of shift and at least every 2 hours (DEMO frequency; confirm against TS 05492). Record in the field log.

Controller

PTCD operator stands outside the live lane; escape route and 1.5 x D sight distance to be confirmed on site.

Workers

No entry to the buffer; stay within the hatched work area.

Endorsement (TS 05492:1.0 §9.5.3) — blank until a PWZ signs; this sheet is not certified

Role	Name	SafeWork card no. / expiry	Signature / date
PWZ (designs / inspects)			
IMP (implements)			
TCR (controls traffic)			
ROL ref (TfNSW TMC)			
SZA ref			
Revisions			
Rev	Description	Date	By
1	One job (engine v2, TS 05492)	2026-10-11	platform

Sources (status at build)

Source	Status	Last OK
nsw_ss_admin_boundaries	ok	2026-10-10
nsw_ss_land_parcel_property	ok	2026-10-10
nsw_ss_transport_theme	ok	2026-10-10
osm_overpass	ok	2026-10-10
tfnswn_road_network_categorisation	ok	2026-10-08
tfnswn_school_zones	ok	2026-10-08
tfnswn_speed_zones	ok	2026-10-08
Rev 1 / sha256 422635c3377152b5... EPSG:2856 GDA2020 / 1 zone 56 · 2026-10-11T01:26:28.909284+11:00. Derived lines (0 lanes x 3.5 m) carry no measured accuracy; traced lines ±0.12 (point) / ±0.25 m (kerb). Sign faces are generic demonstration symbols. Verify on site before issue. Traffic & Access Solutions Ltd · ABN 14 162 894 975 · PORTABOOM® is a registered trade		

Legend

Equipment (suggested set-out)

PORTABOOM® unit (4.0 m boom, to scale)

Sign 0.9 m (face artwork, generic demonstration; to scale, 1 mm floor)

Sign (no artwork; code labelled)

Cone 450 mm (to scale, 1 mm floor)

Flashing arrow sign (trailer, 2.4 m, to scale)

Other equipment

Dimensions (set-out, m)

Direction of travel

Proposed arrangement

Work area (green cross-hatch, TCAWS App D.2)

Longitudinal buffer (cone line + dimension, not shaded)

Merge taper (cone line + dimension, not shaded)

Worker protective zone

Traced from imagery (lane lines, asphalt edges)

Constraints (OSM, unverified)

Traffic signals (OSM)

Pedestrian crossing (OSM)

Bus stop (OSM)

School grounds (OSM)

TfNSW school zone (40 km/h, time)

Dividing line (3 m / 9 m, assumed)

Lane line (3 m / 9 m, assumed)

Kerb line (derived)

Carriageway (derived)

Footpath (derived 2.0 m)

Road corridor (cadastre)

Other roads (OSM centrelines)

Chainage (m, along OSM way)

Arrangement

TGS type	Site specific, TAS worksite engine (draft)
Works window	14/10/26 09:30 → 14/10/26 14:30
Arrangement	lane_closure
Posted / work zone speed	80 / 40 km/h (TfNSW speed zone; Table 19)
Lanes in direction / closed	3 northbound (OSM lanes tag); kerbside lane closed
Work length	200 m
Dimension D / taper / buffer	80.0 m (§14.3) / 130.0 m (Table 74) / 30.0 m (§14.6.2.4)
Worker clearance / night	0.5 m / no
Rule edition	NSW-TS05492-1.0 (TAS working values, unreviewed)

Sign schedule (balloon numbers match the plan; install in order, remove in reverse)

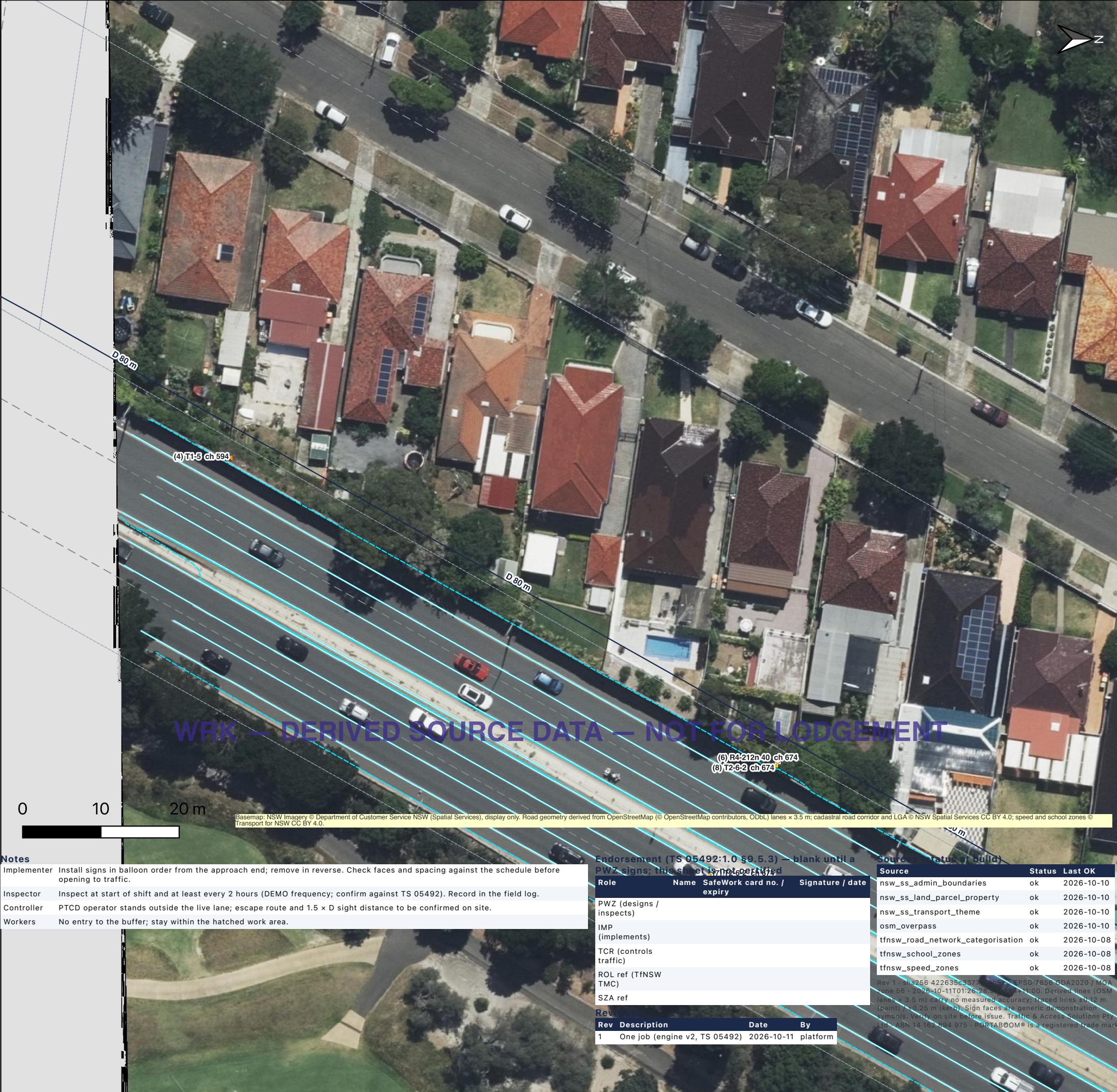
No	Code	Message / role	Ch (m)	State
1	T1-1	Roadwork Ahead	434	suggested
2	G9-79 (40)	Speed Limit Ahead 40 km/h	514	suggested
3	G9-79 (40)	Speed Limit Ahead 40 km/h	514	suggested
4	T1-5	Workers (Symbolic)	594	suggested
5	R4-212n (40)	Speed Limit Road Work 40 km/h	674	suggested
6	R4-212n (40)	Speed Limit Road Work 40 km/h	674	suggested
7	T2-6-2	Left Lane Closed (Symbolic - 2 lanes in direction of travel)	674	suggested
8	T2-6-2	Left Lane Closed (Symbolic - 2 lanes in direction of travel)	674	suggested
9	T5-5-R	Hazard Warning Marker (right)	754	suggested
10	T5-5-R	Hazard Warning Marker (right)	884	suggested
11	R4-1 (80)	Speed Limit (symbolic) 80 km/h	1194	suggested
12	T2-16	End Roadwork	1194	suggested

Quantities (this stage)

Item	Qty
Signs	12
Cones (450 mm)	77
Flashing arrow sign (trailer)	1

Findings — planning aids, not a statement of compliance

Rule	Outcome	Detail
SAFETY_BUFFER_30M	OK	safety buffer 30 m
CONE_SPACING_T50	OK	taper cones at most 9 m, lane-line cones at most 4 m (device zone 40 km/h)
SPEED_ZONE_AUTHORISATION	ATTENTION	speed zone authorisation needed for the 40 km/h zone (§11.7.7)
SCHOOL_200M	ATTENTION	1 school(s) within 200 m (Eastlakes Public School; nearest 8.6 m)
MIN_LIVE_LANE_WIDTH	ATTENTION	remaining lane 0.91 m (median of 3 traced stations, min 0.68 m)
CONE_EDGE_CLEARANCE	OK	cone line 0.5 m inside the lane line (Table 49)
HAZARD_MARKERS	OK	2 x T5-5 on the closed lane at the taper; flashing arrow sign placed (required: motorway or >=90 km/h high volume (§14.7.3.2.4))
TAPER_LENGTH_T74	OK	merge taper 130 m (Table 74 at 80 km/h)
LANE_STATUS_SIGN	OK	T2-6-2 at 80 m before the taper (D = 80 m)
SIGN_FACES	OK	10 signs, every code named in TS 05492 and its face checked against the name
BUS_STOP_30M	OK	no bus stop within 30 m
SPEED_AHEAD_SIGN	OK	G9-79 placed and duplicated (80 to 40 km/h)
STATE_ROAD_100M	ATTENTION	State road within 100 m (nearest 1.8 m): Road Occupancy Licence likely
TEMP_SPEED_ZONE	ATTENTION	40 km/h zone (Table 19: workers within 1.5 m of the live lane); R4-212n at the zone start, R4-1 80 after the work area
SCHOOL_ZONE_50M	OK	no school zone within 50 m
SIGHT_DISTANCE	NOT CHECKABLE	needs 120 m (1.5 D urban); no elevation model loaded
SIGNALS_100M	NOT CHECKABLE	no OSM signal within 100 m (no open NSW signal data)



Notes

Implementer Install signs in balloon order from the approach end; remove in reverse. Check faces and spacing against the schedule before opening to traffic.

Inspector Inspect at start of shift and at least every 2 hours (DEMO frequency; confirm against TS 05492). Record in the field log.

Controller PTCO operator stands outside the live lane; escape route and 1.5 × D sight distance to be confirmed on site.

Workers No entry to the buffer; stay within the hatched work area.

Endorsement (TS 05492:1.0 §9.5.3) — blank until a PWZ sign is not permitted

Role	Name	SafeWork card no. / expiry	Signature / date
PWZ (designs / inspects)			
IMP (implements)			
TCR (controls traffic)			
ROL ref (TfNSW TMC)			
SZA ref			

Rev 1 - 31/02/26 422639c3377 - CHS - EPSG:7856 GDA2020 / MGA zone 56 - 2026-10-11T01:26:28.523Z - 11100. Derived lines (OSM lanes × 3.5 m) carry no measured accuracy; traced lines ±0.12 m (point); ±0.25 m (kerb). Sign faces are generic demonstration symbols. Verify on site before issue. Traffic & Access Solutions Pty Ltd - ABN 14 162 894 975 - PORTABOOM® is a registered trade mark

Rev	Description	Date	By
1	One job (engine v2, TS 05492)	2026-10-11	platform

Source status / build

Source	Status	Last OK
nsw_ss_admin_boundaries	ok	2026-10-10
nsw_ss_land_parcel_property	ok	2026-10-10
nsw_ss_transport_theme	ok	2026-10-10
osm_overpass	ok	2026-10-10
tfnswn_road_network_categorisation	ok	2026-10-08
tfnswn_school_zones	ok	2026-10-08
tfnswn_speed_zones	ok	2026-10-08

Legend

Equipment (suggested set-out)

PORTABOOM® unit (4.0 m boom, to scale)

Sign 0.9 m (face artwork, generic demonstration; to scale, 1 mm floor)

Sign (no artwork; code labelled)

Cone 450 mm (to scale, 1 mm floor)

Flashing arrow sign (trailer, 2.4 m, to scale)

Other equipment

Dimensions (set-out, m)

Direction of travel

Proposed arrangement

Work area (green cross-hatch, TCAWS App D.2)

Longitudinal buffer (cone line + dimension, not shaded)

Merge taper (cone line + dimension, not shaded)

Worker protective zone

Traced from imagery (lane lines, asphalt edges)

Constraints (OSM, unverified)

Traffic signals (OSM)

Pedestrian crossing (OSM)

Bus stop (OSM)

School grounds (OSM)

TfNSW school zone (40 km/h, time)

Dividing line (3 m / 9 m, assumed)

Lane line (3 m / 9 m, assumed)

Kerb line (derived)

Carriageway (derived)

Footpath (derived 2.0 m)

Road corridor (cadastre)

Other roads (OSM centrelines)

Chainage (m, along OSM way)

Arrangement

TGS type	Site specific, TAS worksite engine (draft)
Works window	14/10/26 09:30 → 14/10/26 14:30
Arrangement	lane_closure
Posted / work zone speed	80 / 40 km/h (TfNSW speed zone; Table 19)
Lanes in direction / closed	3 northbound (OSM lanes tag); kerbside lane closed
Work length	200 m
Dimension D / taper / buffer	80.0 m (§14.3) / 130.0 m (Table 74) / 30.0 m (§14.6.2.4)
Worker clearance / night	0.5 m / no
Rule edition	NSW-TS05492-1.0 (TAS working values, unreviewed)

Sign schedule (balloon numbers match the plan; install in order, remove in reverse)

No	Code	Message / role	Ch (m)	State
1	T1-1	Roadwork Ahead	434	suggested
2	G9-79 (40)	Speed Limit Ahead 40 km/h	514	suggested
3	G9-79 (40)	Speed Limit Ahead 40 km/h	514	suggested
4	T1-5	Workers (Symbolic)	594	suggested
5	R4-212n (40)	Speed Limit Road Work 40 km/h	674	suggested
6	R4-212n (40)	Speed Limit Road Work 40 km/h	674	suggested
7	T2-6-2	Left Lane Closed (Symbolic - 2 lanes in direction of travel)	674	suggested
8	T2-6-2	Left Lane Closed (Symbolic - 2 lanes in direction of travel)	674	suggested
9	T5-5-R	Hazard Warning Marker (right)	754	suggested
10	T5-5-R	Hazard Warning Marker (right)	884	suggested
11	R4-1 (80)	Speed Limit (symbolic) 80 km/h	1194	suggested
12	T2-16	End Roadwork	1194	suggested

Quantities (this stage)

Item	Qty
Signs	12
Cones (450 mm)	77
Flashing arrow sign (trailer)	1

Findings — planning aids, not a statement of compliance

Rule	Outcome	Detail
SAFETY_BUFFER_30M	OK	safety buffer 30 m
CONE_SPACING_T50	OK	taper cones at most 9 m, lane-line cones at most 4 m (device zone 40 km/h)
SPEED_ZONE_AUTHORISATION	ATTENTION	speed zone authorisation needed for the 40 km/h zone (§11.7.7)
SCHOOL_200M	ATTENTION	1 school(s) within 200 m (Eastlakes Public School; nearest 8.6 m)
MIN_LIVE_LANE_WIDTH	ATTENTION	remaining lane 0.91 m (median of 3 traced stations, min 0.68 m)
CONE_EDGE_CLEARANCE	OK	cone line 0.5 m inside the lane line (Table 49)
HAZARD_MARKERS	OK	2 × T5-5 on the closed lane at the taper; flashing arrow sign placed (required: motorway or >=90 km/h high volume (§14.7.3.2.4))
TAPER_LENGTH_T74	OK	merge taper 130 m (Table 74 at 80 km/h)
LANE_STATUS_SIGN	OK	T2-6-2 at 80 m before the taper (D = 80 m)
SIGN_FACES	OK	10 signs, every code named in TS 05492 and its face checked against the name
BUS_STOP_30M	OK	no bus stop within 30 m
SPEED_AHEAD_SIGN	OK	G9-79 placed and duplicated (80 to 40 km/h)
STATE_ROAD_100M	ATTENTION	State road within 100 m (nearest 1.8 m): Road Occupancy Licence likely
TEMP_SPEED_ZONE	ATTENTION	40 km/h zone (Table 19: workers within 1.5 m of the live lane); R4-212n at the zone start, R4-1 80 after the work area
SCHOOL_ZONE_50M	OK	no school zone within 50 m
SIGHT_DISTANCE	NOT CHECKABLE	needs 120 m (1.5 D urban); no elevation model loaded
SIGNALS_100M	NOT CHECKABLE	no OSM signal within 100 m (no open NSW signal data)



Notes	
Implementer	Install signs in balloon order from the approach end; remove in reverse. Check faces and spacing against the schedule before opening to traffic.
Inspector	Inspect at start of shift and at least every 2 hours (DEMO frequency; confirm against TS 05492). Record in the field log.
Controller	PTCD operator stands outside the live lane; escape route and 1.5 x D sight distance to be confirmed on site.
Workers	No entry to the buffer; stay within the hatched work area.

Endorsement (TS 05492:1.0 §9.5.3) — blank until a PWZ signs; this sheet is not certified			
Role	Name	SafeWork card no. / expiry	Signature / date
PWZ (designs / inspects)			
IMP (implements)			
TCR (controls traffic)			
ROL ref (TfNSW TMC)			
SZA ref			
Rev	Description	Date	By
1	One job (engine v2, TS 05492)	2026-10-11	platform

Source (do not build)			
Source	Status	Last OK	
nsw_ss_admin_boundaries	ok	2026-10-10	
nsw_ss_land_parcel_property	ok	2026-10-10	
nsw_ss_transport_theme	ok	2026-10-10	
osm_overpass	ok	2026-10-10	
tfnswnet_road_network_categorisation	ok	2026-10-08	
tfnswnet_school_zones	ok	2026-10-08	
tfnswnet_speed_zones	ok	2026-10-08	
Rev 1: sha56 422635e3377152b5... · EPSG:7856 GDA2020 / MGA zone 56 422635e3377152b5... · 2026-10-11 01:26:28.909284+11:00 · Derived lines (OSM lanes x 3.5 m) carry no measured accuracy; traced lines ±0.12 m (point) / ±0.25 m (kerb). Sign faces are generic demonstration symbols. Verify on site before issue. Traffic & Access Solutions Pty Ltd · ABN 14 162 894 975 · PORTABOOM® is a registered trade mark			

Legend

Equipment (suggested set-out)

 PORTABOOM® unit (4.0 m boom, to scale)

 Sign 0.9 m (face artwork, generic demonstration; to scale, 1 mm floor)

 Sign (no artwork; code labelled)

 Cone 450 mm (to scale, 1 mm floor)

 Flashing arrow sign (trailer, 2.4 m, to scale)

 Other equipment

 Dimensions (set-out, m)

 Direction of travel

Proposed arrangement

 Work area (green cross-hatch, TCAWS App D.2)

 Longitudinal buffer (cone line + dimension, not shaded)

 Merge taper (cone line + dimension, not shaded)

 Worker protective zone

 Traced from imagery (lane lines, asphalt edges)

Constraints (OSM, unverified)

 Traffic signals (OSM)

 Pedestrian crossing (OSM)

 Bus stop (OSM)

 School grounds (OSM)

 TfNSW school zone (40 km/h, time)

 Dividing line (3 m / 9 m, assumed)

 Lane line (3 m / 9 m, assumed)

 Kerb line (derived)

 Carriageway (derived)

 Footpath (derived 2.0 m)

 Road corridor (cadastre)

 Other roads (OSM centrelines)

 Chainage (m, along OSM way)

Arrangement	lane_closure
Posted / work zone speed	80 / 40 km/h (TfNSW speed zone; Table 19)
Lanes in direction / closed	3 northbound (OSM lanes tag); kerbside lane closed
Work length	200 m
Dimension D / taper / buffer	80.0 m (§14.3) / 130.0 m (Table 74) / 30.0 m (§14.6.2.4)
Worker clearance / night	0.5 m / no
Rule edition	NSW-TS05492-1.0 (TAS working values, unreviewed)

No	Code	Message / role	Ch (m)	State
1	T1-1	Roadwork Ahead	434	suggested
2	G9-79 (40)	Speed Limit Ahead 40 km/h	514	suggested
3	G9-79 (40)	Speed Limit Ahead 40 km/h	514	suggested
4	T1-5	Workers (Symbolic)	594	suggested
5	R4-212n (40)	Speed Limit Road Work 40 km/h	674	suggested
6	R4-212n (40)	Speed Limit Road Work 40 km/h	674	suggested
7	T2-6-2	Left Lane Closed (Symbolic - 2 lanes in direction of travel)	674	suggested
8	T2-6-2	Left Lane Closed (Symbolic - 2 lanes in direction of travel)	674	suggested
9	T5-5-R	Hazard Warning Marker (right)	754	suggested
10	T5-5-R	Hazard Warning Marker (right)	884	suggested
11	R4-1 (80)	Speed Limit (symbolic) 80 km/h	1194	suggested
12	T2-16	End Roadwork	1194	suggested

Item	Qty
Signs	12
Cones (450 mm)	77
Flashing arrow sign (trailer)	1

Rule	Outcome	Detail
SAFETY_BUFFER_30M	OK	safety buffer 30 m
CONE_SPACING_T50	OK	taper cones at most 9 m, lane-line cones at most 4 m (device zone 40 km/h)
SPEED_ZONE_AUTHORISATION	ATTENTION	speed zone authorisation needed for the 40 km/h zone (§11.7.7)
SCHOOL_200M	ATTENTION	1 school(s) within 200 m (Eastlakes Public School; nearest 8.6 m)
MIN_LIVE_LANE_WIDTH	ATTENTION	remaining lane 0.91 m (median of 3 traced stations, min 0.68 m)
CONE_EDGE_CLEARANCE	OK	cone line 0.5 m inside the lane line (Table 49)
HAZARD_MARKERS	OK	2 x T5-5 on the closed lane at the taper; flashing arrow sign placed (required: motorway or >=90 km/h high volume (§14.7.3.2.4))
TAPER_LENGTH_T74	OK	merge taper 130 m (Table 74 at 80 km/h)
LANE_STATUS_SIGN	OK	T2-6-2 at 80 m before the taper (D = 80 m)
SIGN_FACES	OK	10 signs, every code named in TS 05492 and its face checked against the name
BUS_STOP_30M	OK	no bus stop within 30 m
SPEED_AHEAD_SIGN	OK	G9-79 placed and duplicated (80 to 40 km/h)
STATE_ROAD_100M	ATTENTION	State road within 100 m (nearest 1.8 m): Road Occupancy Licence likely
TEMP_SPEED_ZONE	ATTENTION	40 km/h zone (Table 19: workers within 1.5 m of the live lane); R4-212n at the zone start, R4-1 80 after the work area
SCHOOL_ZONE_50M	OK	no school zone within 50 m
SIGHT_DISTANCE	NOT CHECKABLE	needs 120 m (1.5 D urban); no elevation model loaded
SIGNALS_100M	NOT CHECKABLE	no OSM signal within 100 m (no open NSW signal data)



Legend

- Equipment (suggested set-out)
- PORTABOOM® unit (4.0 m boom, to scale)
 - Sign 0.9 m (face artwork, generic demonstration; to scale, 1 mm floor)
 - Sign (no artwork; code labelled)
 - Cone 450 mm (to scale, 1 mm floor)
 - Flashing arrow sign (trailer, 2.4 m, to scale)
 - Other equipment
 - Dimensions (set-out, m)
 - Direction of travel
- Proposed arrangement
- Work area (green cross-hatch, TCAWS App D.2)
 - Longitudinal buffer (cone line + dimension, not shaded)
 - Merge taper (cone line + dimension, not shaded)
 - Worker protective zone
 - Traced from imagery (lane lines, asphalt edges)
- Constraints (OSM, unverified)
- Traffic signals (OSM)
 - Pedestrian crossing (OSM)
 - Bus stop (OSM)
 - School grounds (OSM)
 - TfNSW school zone (40 km/h, time)
 - Dividing line (3 m / 9 m, assumed)
 - Lane line (3 m / 9 m, assumed)
 - Kerb line (derived)
 - Carriageway (derived)
 - Footpath (derived 2.0 m)
 - Road corridor (cadastre)
 - Other roads (OSM centrelines)
 - Chainage (m, along OSM way)

Arrangement

TGS type	Site specific, TAS worksite engine (draft)
Works window	14/10/26 09:30 → 14/10/26 14:30
Arrangement	lane_closure
Posted / work zone speed	80 / 40 km/h (TfNSW speed zone; Table 19)
Lanes in direction / closed	3 northbound (OSM lanes tag); kerbside lane closed
Work length	200 m
Dimension D / taper / buffer	80.0 m (§14.3) / 130.0 m (Table 74) / 30.0 m (§14.6.2.4)
Worker clearance / night	0.5 m / no
Rule edition	NSW-TS05492-1.0 (TAS working values, unreviewed)

Sign schedule (balloon numbers match the plan; install in order, remove in reverse)

No	Code	Message / role	Ch (m)	State
1	T1-1	Roadwork Ahead	434	suggested
2	G9-79 (40)	Speed Limit Ahead 40 km/h	514	suggested
3	G9-79 (40)	Speed Limit Ahead 40 km/h	514	suggested
4	T1-5	Workers (Symbolic)	594	suggested
5	R4-212n (40)	Speed Limit Road Work 40 km/h	674	suggested
6	R4-212n (40)	Speed Limit Road Work 40 km/h	674	suggested
7	T2-6-2	Left Lane Closed (Symbolic - 2 lanes in direction of travel)	674	suggested
8	T2-6-2	Left Lane Closed (Symbolic - 2 lanes in direction of travel)	674	suggested
9	T5-5-R	Hazard Warning Marker (right)	754	suggested
10	T5-5-R	Hazard Warning Marker (right)	884	suggested
11	R4-1 (80)	Speed Limit (symbolic) 80 km/h	1194	suggested
12	T2-16	End Roadwork	1194	suggested

Quantities (this stage)

Item	Qty
Signs	12
Cones (450 mm)	77
Flashing arrow sign (trailer)	1

Findings — planning aids, not a statement of compliance

Rule	Outcome	Detail
SAFETY_BUFFER_30M	OK	safety buffer 30 m
CONE_SPACING_T50	OK	taper cones at most 9 m, lane-line cones at most 4 m (device zone 40 km/h)
SPEED_ZONE_AUTHORISATION	ATTENTION	speed zone authorisation needed for the 40 km/h zone (§11.7.7)
SCHOOL_200M	ATTENTION	1 school(s) within 200 m (Eastlakes Public School; nearest 8.6 m)
MIN_LIVE_LANE_WIDTH	ATTENTION	remaining lane 0.91 m (median of 3 traced stations, min 0.68 m)
CONE_EDGE_CLEARANCE	OK	cone line 0.5 m inside the lane line (Table 49)
HAZARD_MARKERS	OK	2 x T5-5 on the closed lane at the taper; flashing arrow sign placed (required: motorway or >=90 km/h high volume (§14.7.3.2.4))
TAPER_LENGTH_T74	OK	merge taper 130 m (Table 74 at 80 km/h)
LANE_STATUS_SIGN	OK	T2-6-2 at 80 m before the taper (D = 80 m)
SIGN_FACES	OK	10 signs, every code named in TS 05492 and its face checked against the name
BUS_STOP_30M	OK	no bus stop within 30 m
SPEED_AHEAD_SIGN	OK	G9-79 placed and duplicated (80 to 40 km/h)
STATE_ROAD_100M	ATTENTION	State road within 100 m (nearest 1.8 m): Road Occupancy Licence likely
TEMP_SPEED_ZONE	ATTENTION	40 km/h zone (Table 19: workers within 1.5 m of the live lane); R4-212n at the zone start, R4-1 80 after the work area
SCHOOL_ZONE_50M	OK	no school zone within 50 m
SIGHT_DISTANCE	NOT CHECKABLE	needs 120 m (1.5 D urban); no elevation model loaded
SIGNALS_100M	NOT CHECKABLE	no OSM signal within 100 m (no open NSW signal data)



Notes	
Implementer	Install signs in balloon order from the approach end; remove in reverse. Check faces and spacing against the schedule before opening to traffic.
Inspector	Inspect at start of shift and at least every 2 hours (DEMO frequency; confirm against TS 05492). Record in the field log.
Controller	PTCD operator stands outside the live lane; escape route and 1.5 x D sight distance to be confirmed on site.
Workers	No entry to the buffer; stay within the hatched work area.

Endorsement (TS 05492-1.0 v2, 5/5) — Blank until 3 PWZ signs, this sheet is not endorsed

Role	Name	SafeWork card no. / expiry	Signature / date
PWZ (designs / inspects)			
IMP (implements)			
TCR (controls traffic)			
ROL ref (TfNSW TMC)			
SZA ref			

Revisions

Rev	Description	Date	By
1	One job (engine v2, TS 05492)	2026-10-11	platform

Sources (status at build)

Source	Status	Last OK
nsw_ss_admin_boundaries	ok	2026-10-10
nsw_ss_land_parcel_property	ok	2026-10-10
nsw_ss_transport_theme	ok	2026-10-10
osm_overpass	ok	2026-10-10
tfnswnet_road_network_categorisation	ok	2026-10-08
tfnswnet_school_zones	ok	2026-10-08
tfnswnet_speed_zones	ok	2026-10-08

Rev 1 · sha256 42263... 14/26
zone 56 · 2026-10-11 14/26 26.90926
lanes x 3.5 m) data, no measured accuracy (point) / ±0.25 m (point). Sign faces are generic demonstration symbols. Verify on site before issue. Traffic & Access Solutions Ltd · ABN 14 162 894 975 · PORTABOOM® is a registered trade mark

Legend

Equipment (suggested set-out)

- PORTABOOM® unit (4.0 m boom, to scale)
- Sign 0.9 m (face artwork, generic demonstration; to scale, 1 mm floor)
- Sign (no artwork; code labelled)
- Cone 450 mm (to scale, 1 mm floor)
- Flashing arrow sign (trailer, 2.4 m, to scale)
- Other equipment
- Dimensions (set-out, m)
- Direction of travel

Proposed arrangement

- Work area (green cross-hatch, TCAWS App D.2)
- Longitudinal buffer (cone line + dimension, not shaded)
- Merge taper (cone line + dimension, not shaded)
- Worker protective zone

Traced from imagery (lane lines, asphalt edges)

Constraints (OSM, unverified)

- Traffic signals (OSM)
- Pedestrian crossing (OSM)
- Bus stop (OSM)
- School grounds (OSM)
- TfNSW school zone (40 km/h, time)
- Dividing line (3 m / 9 m, assumed)
- Lane line (3 m / 9 m, assumed)
- Kerb line (derived)
- Carriageway (derived)
- Footpath (derived 2.0 m)
- Road corridor (cadastre)
- Other roads (OSM centrelines)
- Chainage (m, along OSM way)

Arrangement

TGS type	Site specific, TAS worksite engine (draft)
Works window	14/10/26 09:30 → 14/10/26 14:30
Arrangement	lane_closure
Posted / work zone speed	80 / 40 km/h (TfNSW speed zone; Table 19)
Lanes in direction / closed	3 northbound (OSM lanes tag); kerbside lane closed
Work length	200 m
Dimension D / taper / buffer	80.0 m (§14.3) / 130.0 m (Table 74) / 30.0 m (§14.6.2.4)
Worker clearance / night	0.5 m / no
Rule edition	NSW-TS05492-1.0 (TAS working values, unreviewed)

Sign schedule (balloon numbers match the plan; install in order, remove in reverse)

No	Code	Message / role	Ch (m)	State
1	T1-1	Roadwork Ahead	434	suggested
2	G9-79 (40)	Speed Limit Ahead 40 km/h	514	suggested
3	G9-79 (40)	Speed Limit Ahead 40 km/h	514	suggested
4	T1-5	Workers (Symbolic)	594	suggested
5	R4-212n (40)	Speed Limit Road Work 40 km/h	674	suggested
6	R4-212n (40)	Speed Limit Road Work 40 km/h	674	suggested
7	T2-6-2	Left Lane Closed (Symbolic - 2 lanes in direction of travel)	674	suggested
8	T2-6-2	Left Lane Closed (Symbolic - 2 lanes in direction of travel)	674	suggested
9	T5-5-R	Hazard Warning Marker (right)	754	suggested
10	T5-5-R	Hazard Warning Marker (right)	884	suggested
11	R4-1 (80)	Speed Limit (symbolic) 80 km/h	1194	suggested
12	T2-16	End Roadwork	1194	suggested

Quantities (this stage)

Item	Qty
Signs	12
Cones (450 mm)	77
Flashing arrow sign (trailer)	1

Findings — planning aids, not a statement of compliance

Rule	Outcome	Detail
SAFETY_BUFFER_30M	OK	safety buffer 30 m
CONE_SPACING_T50	OK	taper cones at most 9 m, lane-line cones at most 4 m (device zone 40 km/h)
SPEED_ZONE_AUTHORISATION	ATTENTION	speed zone authorisation needed for the 40 km/h zone (§11.7.7)
SCHOOL_200M	ATTENTION	1 school(s) within 200 m (Eastlakes Public School; nearest 8.6 m)
MIN_LIVE_LANE_WIDTH	ATTENTION	remaining lane 0.91 m (median of 3 traced stations, min 0.68 m)
CONE_EDGE_CLEARANCE	OK	cone line 0.5 m inside the lane line (Table 49)
HAZARD_MARKERS	OK	2 x T5-5 on the closed lane at the taper; flashing arrow sign placed (required: motorway or >=90 km/h high volume (§14.7.3.2.4))
TAPER_LENGTH_T74	OK	merge taper 130 m (Table 74 at 80 km/h)
LANE_STATUS_SIGN	OK	T2-6-2 at 80 m before the taper (D = 80 m)
SIGN_FACES	OK	10 signs, every code named in TS 05492 and its face checked against the name
BUS_STOP_30M	OK	no bus stop within 30 m
SPEED_AHEAD_SIGN	OK	G9-79 placed and duplicated (80 to 40 km/h)
STATE_ROAD_100M	ATTENTION	State road within 100 m (nearest 1.8 m): Road Occupancy Licence likely
TEMP_SPEED_ZONE	ATTENTION	40 km/h zone (Table 19: workers within 1.5 m of the live lane); R4-212n at the zone start, R4-1 80 after the work area
SCHOOL_ZONE_50M	OK	no school zone within 50 m
SIGHT_DISTANCE	NOT CHECKABLE	needs 120 m (1.5 D urban); no elevation model loaded
SIGNALS_100M	NOT CHECKABLE	no OSM signal within 100 m (no open NSW signal data)



Notes	
Implementer	Install signs in balloon order from the approach end; remove in reverse. Check faces and spacing against the schedule before opening to traffic.
Inspector	Inspect at start of shift and at least every 2 hours (DEMO frequency; confirm against TS 05492). Record in the field log.
Controller	PTCD operator stands outside the live lane; escape route and 1.5 x D sight distance to be confirmed on site.
Workers	No entry to the buffer; stay within the hatched work area.

Engine v2, 2026-10-09 09:30 — Work on a live road. This is a demo frequency.

Role	Name	SafeWork card no. / expiry	Signature / date
PWZ (designs / inspects)			
IMP (implements)			
TCR (controls traffic)			
ROL ref (TfNSW TMC)			
SZA ref			

Revisions			
Rev	Description	Date	By
1	One job (engine v2, TS 05492)	2026-10-11	platform

Source (status at issue)

Source	Status	Last OK
nsw_ss_admin_boundaries	ok	2026-10-10
nsw_ss_land_parcel_property	ok	2026-10-10
nsw_ss_transport_theme	ok	2026-10-10
osm_overpass	ok	2026-10-10
tfnswnet_road_network_categorisation	ok	2026-10-08
tfnswnet_school_zones	ok	2026-10-08
tfnswnet_speed_zones	ok	2026-10-08

Rev 1 - sha256 422635c3377152b5... - EPSG:7856 GDA2020 / MGA zone 56 - 2026-10-11 10:26:26 909284+11:00. Derived lines (OSM lanes x 3.5 m) carry no measured accuracy; traced lines ±0.12 m (main) / ±0.25 m (kerb). Sign faces are generic demonstration symbols. Verify on site before issue. Traffic & Access Solutions Pty Ltd - ABN 14 162 899 975 - PORTABOOM® is a registered trade mark

Legend

Equipment (suggested set-out)		Constraints (OSM, unverified)	
	PORTABOOM® unit (4.0 m boom, to scale)		Traffic signals (OSM)
			Pedestrian crossing (OSM)
	Sign 0.9 m (face artwork, generic demonstration; to scale, 1 mm floor)		Bus stop (OSM)
	Sign (no artwork; code labelled)		School grounds (OSM)
	Cone 450 mm (to scale, 1 mm floor)		TfNSW school zone (40 km/h, time)
	Flashing arrow sign (trailer, 2.4 m, to scale)		Dividing line (3 m / 9 m, assumed)
	Other equipment		Lane line (3 m / 9 m, assumed)
	Dimensions (set-out, m)		Kerb line (derived)
	Direction of travel		Carriageway (derived)
Proposed arrangement			Footpath (derived 2.0 m)
	Work area (green cross-hatch, TCAWS App D.2)		Road corridor (cadastre)
	Longitudinal buffer (cone line + dimension, not shaded)		Other roads (OSM centrelines)
	Merge taper (cone line + dimension, not shaded)		Chainage (m, along OSM way)
	Worker protective zone		
Traced from imagery (lane lines, asphalt edges)			

Arrangement	
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SIGNALS_100M	NOT CHECKABLE	no OSM signal within 100 m (no open NSW signal data)