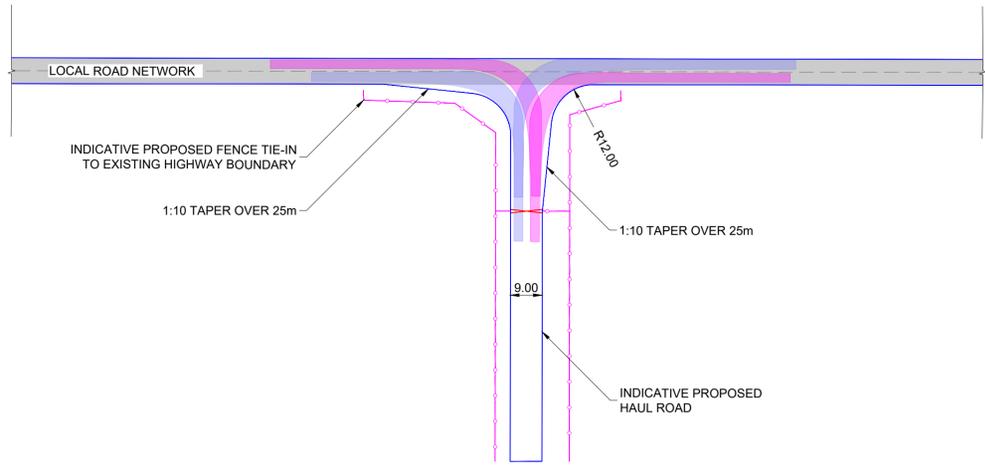
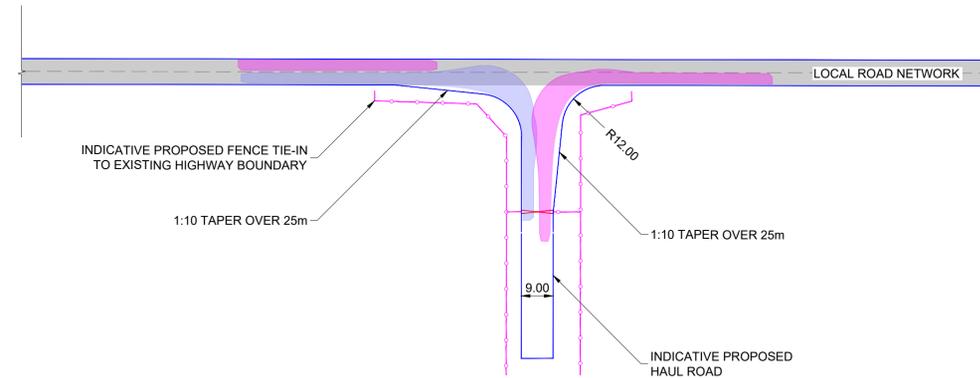


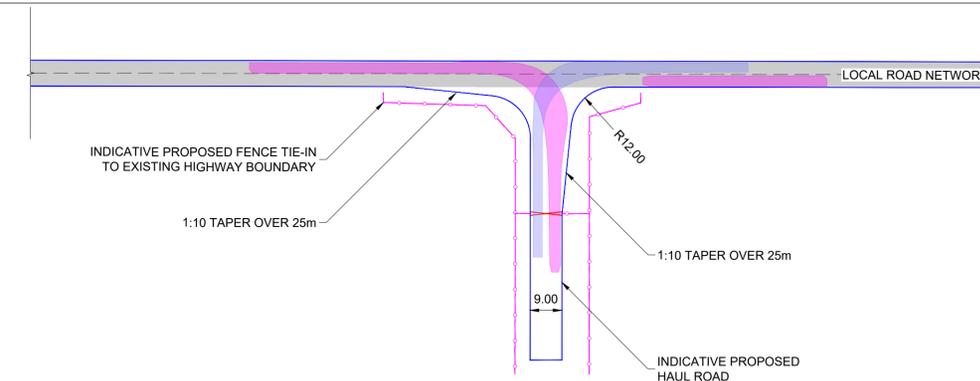
NATIONAL GRID (CHESTERFIELD TO WILLINGTON 400kV OHL) ORDER ILLUSTRATIVE BELLMOUTH & VISIBILITY SPLAY



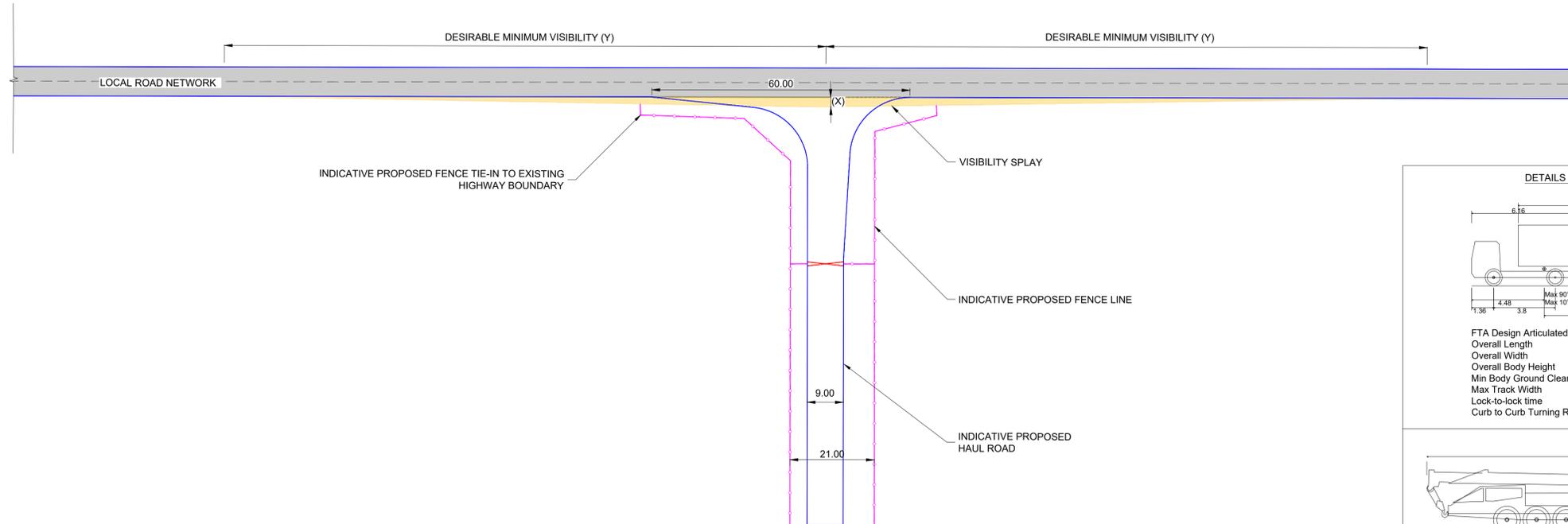
TYPICAL BELLMOUTH ARRANGEMENT- ARTICULATED VEHICLE SWEEP PATH



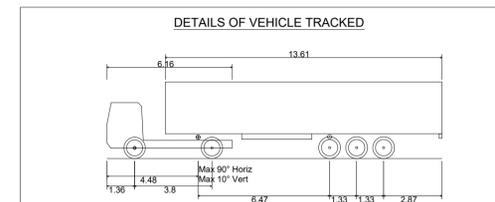
TYPICAL BELLMOUTH ARRANGEMENT-400T MOBILE CRANE SWEEP PATH



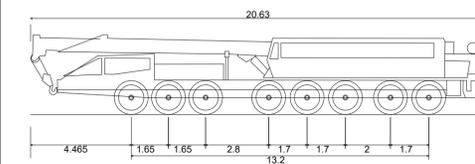
TYPICAL BELLMOUTH ARRANGEMENT-400T MOBILE CRANE SWEEP PATH



TYPICAL BELLMOUTH ARRANGEMENT - VISIBILITY SPLAY



FTA Design Articulated Vehicle (1998)	
Overall Length	16.480m
Overall Width	2.550m
Overall Body Height	3.870m
Min Body Ground Clearance	0.515m
Max Track Width	2.470m
Lock-to-lock time	3.00s
Curb to Curb Turning Radius	6.550m



400T Mobile Crane	
Overall Length	20.630m
Overall Width	3.000m
Overall Body Height	3.536m
Min Body Ground Clearance	0.740m
Max Track Width	3.000m
Lock-to-lock time	5.00s
Wall to Wall Turning Radius	16.500m

NOTES:

- THIS DRAWING IS FOR INFORMATION ONLY.
- DO NOT SCALE FROM THIS DRAWING.
- ALL DIMENSIONS ARE SHOWN IN METRES UNLESS OTHERWISE STATED.
- THESE DRAWINGS ARE TO BE PRINTED IN COLOR.
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH SPECIFICATION FOR HIGHWAY WORKS, SERIES DRAWINGS, STANDARD DETAILS AND ANY OTHER RELEVANT DOCUMENTATION.
- REFER TO MANUAL OF CONTRACTS DOCUMENTS FOR HIGHWAY WORKS(MCHW) H SERIES FOR DETAILS OF FENCES AND GATES.
- ACCESS POINTS HAVE BEEN DESIGNED IN ACCORDANCE WITH DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB).
- THE PROPOSED ARRANGEMENT IS SHOWN FOR INDICATIVE PURPOSES ONLY. DIMENSIONS AND DESIGN MAY VARY ACCORDING TO SITE CONDITIONS AND CONSTRUCTION ACCESS REQUIREMENTS.
- DETAILED DESIGN OF BELLMOUTHS WILL BE SUBJECT TO TECHNICAL APPROVAL FROM THE RELEVANT LOCAL HIGHWAY AUTHORITY PRIOR TO CONSTRUCTION INCLUDING DETAILS OF ANY SIGNAGE, LINING, SURFACING OR OTHER HIGHWAYS INFRASTRUCTURE ASSOCIATED.
- CARRIAGEWAY WIDTH MEASUREMENTS ARE INDICATIVE AND SUBJECT TO VALIDATION THROUGH FURTHER ENGINEERING SURVEYS.
- FENCE ALIGNMENT MUST ENSURE UNOBSTRUCTED VISIBILITY SPLAYS FROM MINOR ROADS IN ACCORDANCE WITH CD123 CLAUSE 3.1 AND 3.2.
- VEGETATION CLEARANCE AND/OR GROUNDWORK MAY BE REQUIRED TO FACILITATE MINIMUM SIGHT DISTANCES, DEPENDING ON EXISTING SITE CONDITIONS.
- REFER DESIGN PARAMETERS TABLE FOR GEOMETRIC DETAILS OF JUNCTION AND VISIBILITY SPLAY.
- DURING 400 TONNE CRANE MOVEMENT IT IS ANTICIPATED THAT OTHER VEHICULAR MOVEMENT WILL BE CONTROLLED/MANAGED.
- VISIBILITY ENVELOPE AND LAND TAKE REQUIRED FOR VISIBILITY SPLAY WILL BE INCLUDED WITHIN RED LINE BOUNDARY. THIS CHANGES BETWEEN LOCATIONS.
- FENCE LINE SHOWN IS INDICATIVE WITH THE TYPE AND SPECIFICATION SUBJECT TO CHANGE DEPENDING ON LOCATION AND SITE CONDITION.
- SITE SPECIFICATION PROVISION WILL BE MADE FOR MANAGEMENT/CONTROL OF ANY FOOTPATH INTERFACE WITHIN THE DETAILED DESIGN.

KEY:

- EDGE OF CARRIAGEWAY
- CENTER LINE OF CARRIAGEWAY
- INDICATIVE PROPOSED FENCE
- INDICATIVE PROPOSED GATE
- VISIBILITY SPLAY
- PROPOSED VEHICLE TRACKING (ENTRY)
- PROPOSED VEHICLE TRACKING (EXIT)

DESIGN PARAMETERS AS PER DMRB	
CORNER RADII AND TAPERS	CD123, CLAUSE 5.6
Y- VISIBILITY DISTANCE REQUIRED (m)	CD 109, TABLE 2.10
X- DISTANCE USED (m)	CD 123, CLAUSE 3.4
ROAD SPEED LIMIT (mph)	AS PER EXISTING CONDITION

ISSUE	DATE	COMMENTS	DRAW	CHK'D	APP'D
P02	16/01/2026	DRAWING TITLE ADDED TO TOP OF DRAWING FRAME	SS	PR	JS
P01	14/08/2025	FOR PRELIMINARY	NA	AV/TM	RV

Title

NATIONAL GRID
(CHESTERFIELD TO WILLINGTON 400kV OHL)
ORDER ILLUSTRATIVE BELLMOUTH &
VISIBILITY SPLAY

nationalgrid

NG INVESTMENT No.	APPLICATION No.	GIS
		A1
FIGURE No.	DRAWING No.	SCALE
	EDN2-WSP-ZZZZ-ZZZZZZ-DRW-HT-000001	NTS
SHEET 1 of 1		ISSUE P02