

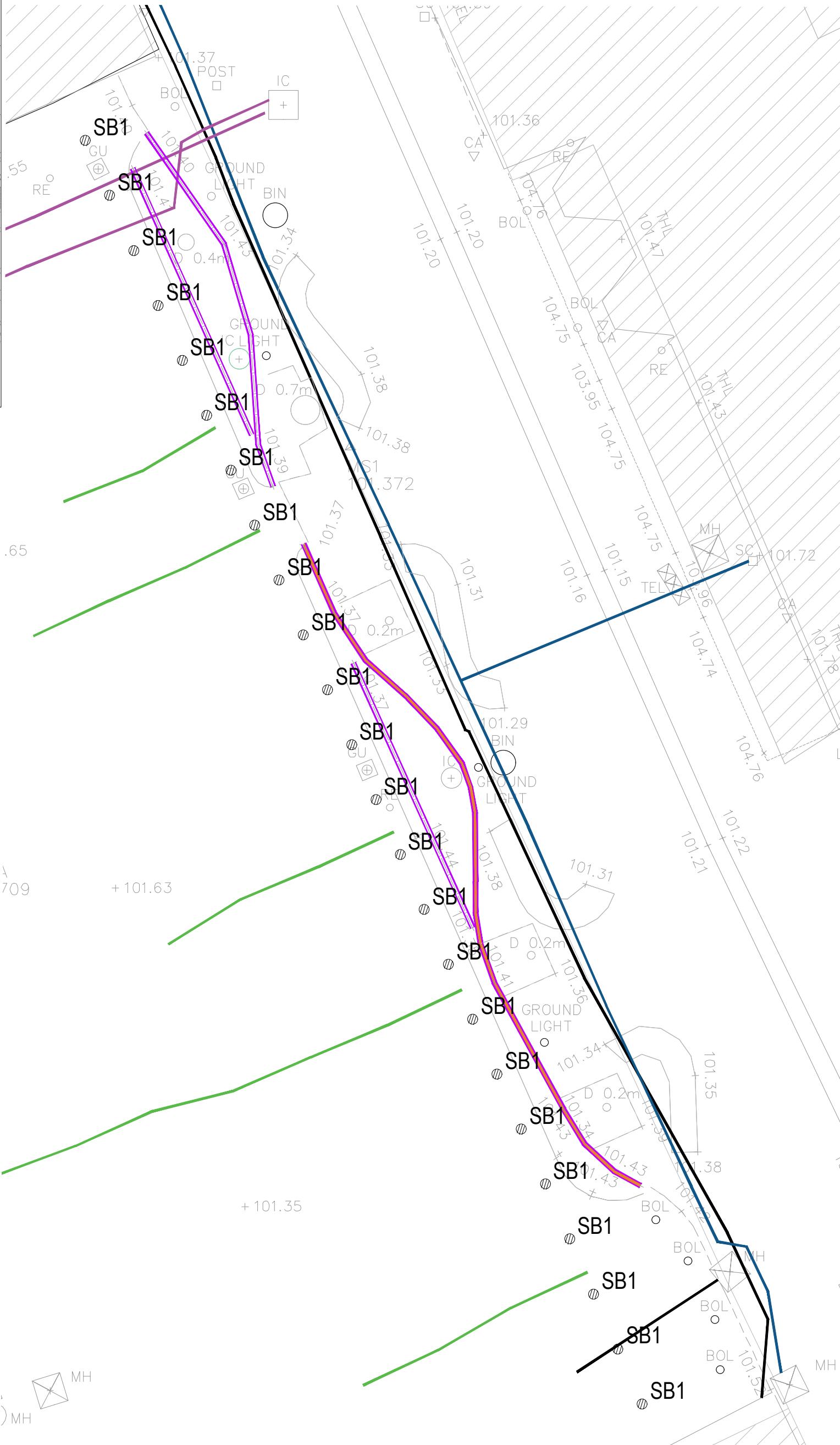
Key Plan



MFD Thornton Tomasetti Vehicle Dynamic Assessment [VDA] Commentary

5	16	1012	Static bollard(s)	N2A	23	Market Street, Wellington House Car Park	Wellington Street	Southbound	32.9	53.0	780	Acceleration	2	Low speed incursion onto Wellington Street from Peel Square, contrary to one-way and running one ATS junction en-route. Turn from offside footway through existing non-crash rated concrete bollards in the car park.
	17			N2A	24		Lower Castlereagh Street via Wellington Street	Southbound	25.8	41.5	478	Both	3	Standing start near dead-end of Lower Castlereagh Street, turn through car park entrance lanes and straight onto Line Of Protection.
	18			N2A	26		Wellington Street	Northbound	30.7	49.5	681	Both	3	Turn from West Way eastbound to turn through car park entrance lanes.
	19			N2A	27		Wortley Street	Eastbound	29.8	48.0	640	Acceleration	4	Standing start near dead-end of Wortley Street (where it has been cut-off by West Way), run through car park entrance lanes and straight onto Line Of Protection. <i>Note all these routes presume low car park occupancy. The concrete bollards on Wellington Street should not be considered a meaningful hindrance to a determinedly driven N2A vehicle. For all routes, the residual trajectory is poor.</i>

Summary of HVM measures needed include;
- 25Nr Static Bollards



- SB1
- SBF1
- W1
- W1 Walls, Clad Granite walls and K2 Kerb type forming planting areas
- S1
- PL1
- Proposed Granite Stone Units [W1] 500mm high as alternative HVM measure
- Existing litter bin
- Existing Traffic Light Location
- Existing post box
- Existing bollard to be retained / removed
- Existing sign to be retained / removed / repositioned
- Existing communication services
- Existing fence line
- Cable TV
- Unidentified
- CATV
- Traffic Light Cables
- Radio
- K Com Cables
- Street Light Cable
- Drains combined
- Electricity
- Gas
- British Telecom cables
- Communication cables
- Possible linear feature
- Water
- Drainage foul
- Street light cables
- Surface drainage
- Empty duct

Notes:

- This drawing is copyright.
- Do not scale dimensions from this drawing.
- This drawing is to be read in conjunction with all other relevant drawings
- All discrepancies on this drawing are to be reported to the architect.
- Do not modify any element of this drawing.
- Use drawing only for purpose(s) issued.

North Sign / Key Plan

The following external model files are included within this drawing:

X	00/00/00		X	X
Rev	Date	Revision Notes	Dn	Rv
Client / Contractor				

Intelligence
Buildings
Infrastructure

www.ibigroup.com

Project

BARNSELY PUBLIC REALM

Drawing Title

HOSTILE VEHICLE MITIGATION MEASURES -
MARKET STREET [CCP079]

Job Number	Drawing Originated Date	PAS 1192 Status Code
51184	02/10/20	-
Scale@A2	Purpose	
1:100	COMMENT AND APPROVAL	

Drawing Number	Revision
BBTC_IBI_N3_L_G700_PL_00_26	-