

Public Document Pack

Southend-on-Sea Borough Council

Legal & Democratic Services

Strategic Director: John Williams

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02 November 2020

Dear Councillor

TRAFFIC REGULATIONS WORKING PARTY & CABINET COMMITTEE - MONDAY, 2ND NOVEMBER, 2020

Please find enclosed, for consideration at this evening's meetings of the Traffic Regulations Working Party and Cabinet Committee, the following report that was unavailable when the agenda was printed.

Agenda No Item

12. **Eastern Esplanade Speed Cameras (Pages 1 - 2)**

Please also find enclosed, for consideration at this evening's meetings the following additional report that that the Chair has agreed to be considered as an urgent additional item.

13. **Traffic Regulation Order (Waiting Restriction, No U-Turn Restriction) (Pages 3 - 26)**

TO: The Chair & Members of Traffic Regulations Working Party and Cabinet Committee:

Councillor R Woodley (Chair)*,

Councillors K Robinson (Vice-Chair)*, K Buck, P Collins, D Cowan, T Cox, D Garston, D Jarvis, A Moring, C Nevin, M Terry* and S Wakefield

(*Denotes Cabinet Committee Member)

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Southend-on-Sea Borough Council

Agenda
Item No.

12

Report of Executive Director
(Neighbourhoods & Environment)

to

**Traffic Regulations Working Party
and Cabinet Committee**

on

2nd November 2020

Report prepared by: Sharon Harrington,
Head of Traffic Management & Highways Network

Petition – Eastern Esplanade (extension of 20mph)

**Cabinet Member: Councillor Woodley
Part 1 Public Agenda Item**

1. Purpose of Report

- 1.1 For the Traffic Regulations Working Party and the Cabinet Committee to consider the extension of the 20mph zone along Eastern Esplanade and the introduction of average speed camera enforcement.

2. Recommendation

- 2.1 That further monitoring of traffic speeds and accidents in Eastern Esplanade be undertaken and the submission of a feasibility report, with recommendations, be submitted to the Working Party and Cabinet Committee for consideration in 6 months.

3. Background

- 3.1. At its meeting on 24th February 2020, the Working Party and Cabinet Committee considered a report on a petition that had been submitted by Councillor Woodley on behalf of local residents requesting the introduction of more formal pedestrian crossings and the extension of the average speed monitoring scheme, with the installation of additional speed monitoring cameras, on Eastern Esplanade.

- 3.2. At that meeting (Minute 851 refers), it was resolved in respect of the installation of average speed cameras in Eastern Esplanade:

“1. That the petitioner be thanked for taking the time to compile the petition.

2. That the request relating to the extension of the average speed monitoring scheme, with the installation of additional speed monitoring cameras, on Eastern Esplanade, be referred to the Essex Safety Camera Partnership for consideration.”

- 3.3. The average speed camera system along Marine Parade between Southchurch Avenue and the Pier was installed in 2012. The system is a first-generation system which is no longer available and is coming towards the end of its supported life. At the time of the installation, extension further east was identified as extremely problematic due to the presence of the significant

number of side roads. This rendered the scheme as potentially unviable at that time.

4. Considerations

- 4.1 A feasibility report will be required to investigate the technical and financial viability of an eastern extension to the existing system along with upgrading the current cameras to the latest generation digital technology.

5. Financial Implications

- 5.2.1 Feasibility report to include whole life financial considerations.

5.3 Legal Implications

- 5.3.1 Legal implications of retaining the existing system and an eastern extension will be considered in the feasibility report.

5.4 People Implications

- 5.4.1 There are no staff implications as a result of this recommendation.

5.5 Property Implications

- 5.5.1 None

5.6 Equalities and Diversity Implications

- 5.6.1 There are no implications as a result of this recommendation.

5.7 Risk Assessment

- 5.7.1 A full risk assessment will be included in the feasibility report.

5.8 Value for Money

- 5.8.1 There are financial implications relating to value for money.

5.9 Community Safety Implications

- 5.9.1 Community safety implications will be included in the feasibility report.

5.11 Environmental Impact

- 5.11.1 Environmental impact will be included in the feasibility report.

5. Background papers

None

6. Appendices

None

Southend-on-Sea Borough Council

Agenda
Item No.

13

Report of Executive Director
(Neighbourhoods & Environment)

to

**Traffic Regulations Working Party
and Cabinet Committee**

on

2nd November 2020

Report prepared by: Ed Brown,
Engineer - Civil Engineering

Traffic Regulation Order (Waiting Restriction, No U-Turn Restriction)

**Cabinet Member: Councillor Woodley
Part 1 Public Agenda Item**

1. Purpose of Report

- 1.1 The Chair has agreed that this item be considered at this meeting as an urgent additional item on the basis that a decision is required on the progression of the installation of the traffic controlled junction scheme at this location at the earliest opportunity on the grounds of highway safety.
- 1.2 For the Traffic Regulations Working Party and the Cabinet Committee to agree to the commencement of consultation and implementation of Traffic Regulation Orders in Bournemouth Park Road and Eastern Avenue in accordance with the statutory processes.

2. Recommendation

- 2.1. **That the Traffic Regulations Working Party approve the commencement of the consultation and implementation of the no waiting restriction referred to in Appendix 1 on Bournemouth Park Road and No U-Turn restrictions on Eastern Avenue and recommend the Cabinet Committee to:**
 - (a) **Agree to the commencement of the statutory consultation process for the introduction of waiting restrictions referred to in Appendix 1 and, subject to there being no objections received following statutory notice, implement the waiting restriction. Any unresolved objections will be referred back to the Working Party and Cabinet Committee for consideration; and**
 - (b) **Agree to the commencement of the statutory consultation process for the introduction of the no U-Turn restrictions on Eastern Avenue to referred to in Appendix 1 and, subject to there being no objections received following statutory notice, implement the no U-Turn restrictions. Any unresolved objections will be referred back to the Working Party and Cabinet Committee for consideration.**

3. Background

- 3.1 The Cabinet Committee periodically agrees to advertise proposals to implement traffic regulation orders that are required for various highway network improvement schemes across the borough. The Bournemouth Park Road Junction Improvement scheme would assist in improving traffic flows by signalling the junction with Eastern Avenue. It will also make the current banned right turn movement from Bournemouth Park Road to Eastern Avenue. This scheme will improve and regulate traffic flows through the junction whilst assisting in unlocking a number of development opportunities in the area. Provision has been made for the proposed Southend United Football Club Stadium development at Fossetts Way. If this development were to be constructed then the proposed signal arrangement at the Bournemouth Park Road junction will compliment the proposed stadium access signalised junction which is in close proximity.
- 3.2 All requests are assessed and investigated against the policy criterion agreed criteria by the Cabinet Committee in November 2018.

4. Scheme Proposals

- 4.1 This scheme seeks to address the issues highlighted in section 3 by signalling the Eastern Avenue/Bournemouth Park Road junction.
- 4.2 There is currently a ban on right turning traffic from Bournemouth Park Road to Eastern Avenue. This scheme will allow this vehicle movement as traffic models indicate this will be a requirement following the implementation of the Queensway Regeneration Scheme. In order to achieve this, several physical changes to the highway are required which are explained in sections 4.3-4.7 and the drawings in Appendix 11.1
- 4.3 Kerb realignment to the central reserve on the eastbound approach to Bournemouth Park Road to allow the construction of an extended right turn lane to the junction.
- 4.4 Installation of traffic signals and associated ducting at the junction with Bournemouth Park Road to ensure the safety of right turning vehicles both in and out of Bournemouth Park Road and to maintain traffic flows preventing excessive queuing at the junction.
- 4.5 Kerb realignment on Bournemouth Park Road at the junction with Eastern Avenue to allow for the construction of a traffic island to assist pedestrians crossing the junction and to provide an additional lane on approach to the traffic signals.
- 4.6 There are associated changes to traffic signs, street lighting and road markings as shown in the drawings in section 12. Background Information.
- 4.7 To allow the above changes to the highway, some alterations to Statutory Undertakers Plant are required on Eastern Avenue both at the junction with Bournemouth Park Road and transversely across the east and westbound carriageways of Eastern Avenue. Cadent (Formerly National Grid) and UK Power Networks apparatus is affected.

5. Corporate Implications

5.1 Contribution to the Southend 2050 Road Map

- 5.1.1 Ensure the highway network is effectively managed while maintaining safety and improving traffic flows. This is consistent with the Council's Vision and Corporate Priorities of Opportunity & Prosperity and Connected & Smart.

5.2 Financial Implications

- 5.2.1 Funding for this scheme comes from the successful National Productivity Investment Fund bid secured in 2018.

5.3 Legal Implications

- 5.3.1 The formal statutory consultative process for Traffic Regulation Orders will be followed.

5.4 People Implications

- 5.4.1 Works required to implement the agreed scheme will be undertaken by existing staff resources.

5.5 Property Implications

- 5.5.1 None

5.6 Consultation

- 5.6.1 Formal consultation will be undertaken including advertisement of the proposals in the local press and on street as appropriate.

5.7 Equalities and Diversity Implications

- 5.7.1 Any implications have been taken into account in designing the scheme.

5.8 Risk Assessment

- 5.8.1 The proposals are designed to improve highway safety and traffic flows and as such, are likely to have a positive impact. Works are however proposed in potentially sensitive area given existing traffic flows and the proposed SUFC development, which will require support from residents, commuters, and business owners. Effective communication with all Stakeholders through multiple channels clearly identifying the benefits of the proposals and the resultant positive impact on traffic flows will mitigate this risk. Another potential risk is traffic delays during construction. Well planned traffic management operating at off peak times outside of high seasonal periods will limit traffic delays during construction.

5.9 Value for Money

5.9.1 All works resulting from the scheme design are to be undertaken by term contractors appointed through a competitive tendering process.

5.10 Community Safety Implications

5.10.1 The proposals in **Appendix 1m**, if implemented, is likely to lead to no change in community safety.

5.11 Environmental Impact

5.11.1 There is no significant environmental impact as a result of introducing this Traffic Regulation Order.

6. Background papers

None

7. Appendices

Appendix 1 – List of requests

Appendix 2 – Scheme plans

APPENDIX 1

Item	1
Location	Bournemouth Park Road
Proposed by	Ed Brown
What is this request for	Measures to prevent the additional lane from becoming blocked by parked cars which would reduce capacity of the improved junction.
Proposal	To extend the existing No Waiting at Any Time parking restriction, on the northbound carriageway, for a further 43m to the south of the junction with Eastern Avenue
Current Restrictions (if any)	No Waiting at any time parking restriction of junction protection both sides at its junction with Eastern Avenue. 30m on the western side and 46m on the eastern side to the existing bus stop.
Reason for request	To Facilitate the signalisation of the Bournemouth Park Road junction with Eastern Avenue.
Has this request been made previously (if so when)	No
If this request was made previously what was the outcome	-
Who will be consulted	All Councillors, Statutory Consultees and affected Residents.
When will consultation take place	If agreed it will processed immediately to allow the construction works to commence early in the new year.
Officer Comments	Bournemouth Park Road is on a bus route and if the proposed Southend United Football Club stadium development is constructed it is in very close proximity to this junction and parking could become a significant problem with increased congestion due to parking in nearby roads. This restriction if implemented will ensure that the carriageway is unobstructed and reduce the potential for congestion in the area. If this restriction were implemented then 3 half on carriageway parking bays will have to be removed.
Officer Recommendations	Recommend to proceed to statutory advertisement and implementation subject you objections
Any other information	None

Item	2
Location	Eastern Avenue
Proposed by	Ed Brown
What is this request for	Measures to prevent causing their vehicle to make a U-Turn from the westbound carriageway to the eastbound carriageway through the central reserve.
Proposal	To introduce a No U-Turn from the westbound carriageway to the eastbound carriageway through the central reserve order on Eastern Avenue
Current Restrictions (if any)	There is currently a No U-Turn TRO in place for traffic travelling on the eastbound carriageway to the westbound carriageway through the central reserve on Eastern Avenue.
Reason for request	To Facilitate the signalisation of the Bournemouth Park Road junction with Eastern Avenue.
Has this request been made previously (if so when)	No
If this request was made previously what was the outcome	-
Who will be consulted	All Councillors, Statutory Consultees and affected Residents.
When will consultation take place	If agreed it will processed immediately to allow the construction works to commence early in the new year.
Officer Comments	Should this restriction not be implemented when the scheme is constructed there is a risk of collisions due to motorists making this manoeuvre.
Officer Recommendations	Recommend to proceed to statutory advertisement and implementation subject you objections
Any other information	None



Revisions

Rev	Details	Auth	Date
A	Original Issue.	-	Jan-17

Key

- Take up and remove off site to tip Precast Concrete Kerb.
- Take up and set aside for reuse Granite Kerb.
- Take up and remove to tip combined drainage kerb
- Take up and remove off site to tip Precast Concrete Edging.
- RB Take up and set aside for reuse retroreflective Bollard.
- MHX Raise/lower Manhole Cover and Frame.
- EX Take up and remove off site to tip Gully Grate and Frame. Existing outfall connection to be retained. Void to be backfilled with suitable fill materials.
- ESXS Take down and remove off site to tip off site Sign Plate.
- Take up and remove off site to tip Sign Post with Illumination electrical connection made safe where applicable.
- ESXS Take down and set aside for reuse Sign Plate.
- Take up and remove off site to tip Non-Illuminated Sign Post.
- Take up and remove off site to tip Block Paving.
- Tree removed by SBC parks department.
- Take down and remove to tip off site Lighting Column and remove to SBC store LED lantern and LCU.
- P99 Take down Lighting Column and set aside for re-use.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risk normally associated with the types of work detailed on this drawing, note the following significant residual risks

Construction	Maintenance/Cleaning	Use	Discommissioning/Demolishing
None.	None.	None.	None.

Southend-on-Sea Borough Council

Department for Place

PO Box 5560, Civic Centre
Victoria Avenue, Southend on Sea,
SS2 6ZQ

Project Title

Eastern Avenue Junction Improvement

Drawing Title

Site Clearance

Drawn	Date	Scale
ETB	26/06/2020	@ A1
Checked	Date	1:200
Review	Date	
Approved	Date	Revision
		A

Drawing Status		
Preliminary	Construction	<input checked="" type="checkbox"/>
Tender	As Constructed	<input type="checkbox"/>

Drawing Number
SBCC10384-128-SBC-BPR-C-0201



- Notes
- For details of earthworks and hard breakout refer to drawings: SBCC10384-128-SBC-BPR-C-0601.
 - Items are to be disposed to the Contractors tip unless otherwise stated in Appendix 2.3.
 - For details of Manhole covers to be raised see Appendix 5.
 - All Manhole covers and frames are to be raised or lowered to suit proposed footway and pavement levels. See Appendix 7 and Appendix 11 for details.
 - For details of the signs refer to drawing: SBCC10384-128-SBC-BPR-C-0211.
 - All sign lighting units are detailed in the Existing Sign Schedule.
 - Positions of existing street furniture are indicative only.
 - All redundant services are to be made safe.
 - Any sign plates, gully pots, gratings & leads to be re-used are subject to a condition assessment and compliance with current standards.
 - Some vegetation cutting will be required on the northern verge of Eastern Avenue to allow visibility of the new traffic signals. To be agreed on site with SBC Engineer.

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Existing Sign Schedule

Sign Ref	Sign Description	Pre-2016 Diagram No.	Posts Details	Illuminated	Location	Comments	Site Clearance
ES001	ADS	N/A	Double 76mm CHS post	No	Eastern Avenue eastbound carriageway on central reserve	ADS stack sign for Shoebury and Seaside Attractions	Sign to be set aside for reuse, posts removed to tip
ES002	Series of road humps ahead	557.1	Single 76mm CHS post	No	Eastern Avenue eastbound carriageway on central reserve	-	Signs to be taken down and set aside for reuse. Post to be removed to tip
ES003	Subplate for ES002	606				Mounted on sign post below ES002	
ES004	No U-Turn	614	Single 76mm CHS post	Yes	Eastern Avenue eastbound carriageway on central reserve	-	Signs, Post and Lantern to be taken down and removed to tip.
ES005	30mph repeater	670		No		Mounted on sign post below ES004	
ES006	Give Way	602	Single 76mm CHS post	Yes	Central reserve at the junction with Bournemouth Park Road	-	Signs to be taken down and removed to store, Post to be taken down and removed to tip
ES007	No Entry	616				Mounted on sign post behind ES006	
ES008	Left Turn Arrow	606				Mounted on sign post below ES007	
ES009	Give Way	602	Single 76mm CHS post	Yes	Central reserve at the junction with Bournemouth Park Road	-	Sign to be taken down and removed to store, post and Lantern to be taken down and removed to tip.
ES010	30 MPH speed limit	670	Single 76mm CHS post	No	Bournemouth Park Road at the junction with Eastern Avenue	-	Post and Lantern to be taken down and removed to tip. Sign faces to be set aside for re-use.
ES011	40 MPH speed limit	670				Mounted on sign post opposite ES011	
ES012	30 MPH speed limit	670	Single 76mm CHS post	No	Bournemouth Park Road at the junction with Eastern Avenue	-	Post and Lantern to be taken down and removed to tip. Sign faces to be set aside for re-use.
ES013	40 MPH speed limit	670				Mounted on sign post opposite ES013	
ES014	Give Way	602	Single 76mm CHS post	Yes	Bournemouth Park Road at the junction with Eastern Avenue	-	Sign, Post and Lantern to be taken down and removed to store.
ES015	Dual carriageway	608				Mounted on sign post behind ES014	
ES016	Left Turn Arrow	609	Single 76mm CHS post	Yes	Bournemouth Park Road	-	Post and Lantern to be taken down and removed to tip. Left Turn sign face to be removed to store.
ES017	Dual carriageway	608				Mounted below ES016	
ES018	ADS	N/A	Double 76mm CHS post	No	Bournemouth Park Road	ADS sign for London, Basildon, Chelmsford and Rochford	Sign and posts to be removed to tip

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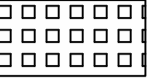
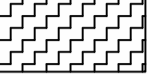


Existing Sign Schedule

Sign Ref	Sign Description	Pre-2016 Diagram No.	Posts Details	Illuminated	Location	Comments	Site Clearance
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Revisions			
Rev	Details	Auth	Date
A	Original Issue.	-	Jun-20

Key

	Area of hard excavation
	Area of excavation in unmade ground
	Grading from proposed kerb levels to existing ground levels at a slope of 1:2.
	Existing concrete bed and backing to be broken out.

- Notes
1. Refer to Appendix 6/3 for details on excavation, deposition and compaction.
 2. Refer to Appendix 6/7 for details on sub-formation.
 3. All excavated materials that are not topsoil or hard excavation are to be considered unacceptable class U1.
 4. Refer to Appendix 6/8 for topsoil requirements.
 5. This drawing is to be read in conjunction with all other scheme drawings, specification and contract documents.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risk normally associated with the types of work detailed on this drawing, note the following significant residual risks

Construction	None.
Maintenance/Cleaning	None.
Use	None.
Decommissioning/Demolishing	None.

Southend-on-Sea Borough Council

Department for Place

PO Box 5560, Civic Centre
Victoria Avenue, Southend on Sea,
SS2 6ZQ

Project Title

Bournemouth Park Road Junction Improvement

Drawing Title

Earthworks

Drawn	Date	Scales @ A1
ETB	17/06/2020	
Checked	Date	
Review	Date	
Approved	Date	Revision
		A

Drawing Status		
Preliminary	Construction	<input checked="" type="checkbox"/>
Tender	As Constructed	<input type="checkbox"/>

Drawing Number

SBCC10384-128-SBC-BPR-C-0601

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Revisions			
Rev	Details	Auth	Date
A	Original Issue.	-	Jun-20

Key

	Type T1 Treatment (A1-A2)
	Type T2 Treatment (B1-B3)
	Type P1 Construction (C1-C2)
	Type P2 Construction (D1-D3)
	Area and Depth of Cold Milling in millimetres
	Asphalt Reinforcement Grid

- Notes
- For details of pavement construction types refer to Appendix 7/1.
 - The Contractor shall make suitable temporary ramps to ensure suitable vehicle 'run-ons' and 'run-offs' of pavement, frames and covers during construction.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risk normally associated with the types of work detailed on this drawing, note the following significant residual risks

Construction	None.
Maintenance/Cleaning	None.
Use	None.
Decommissioning/Demolishing	None.

Southend-on-Sea Borough Council

Department for Place

PO Box 5560, Civic Centre
Victoria Avenue, Southend on Sea,
SS2 6ZQ

Project Title

Bournemouth Park Road Junction Improvement

Drawing Title

Proposed Pavement Treatment

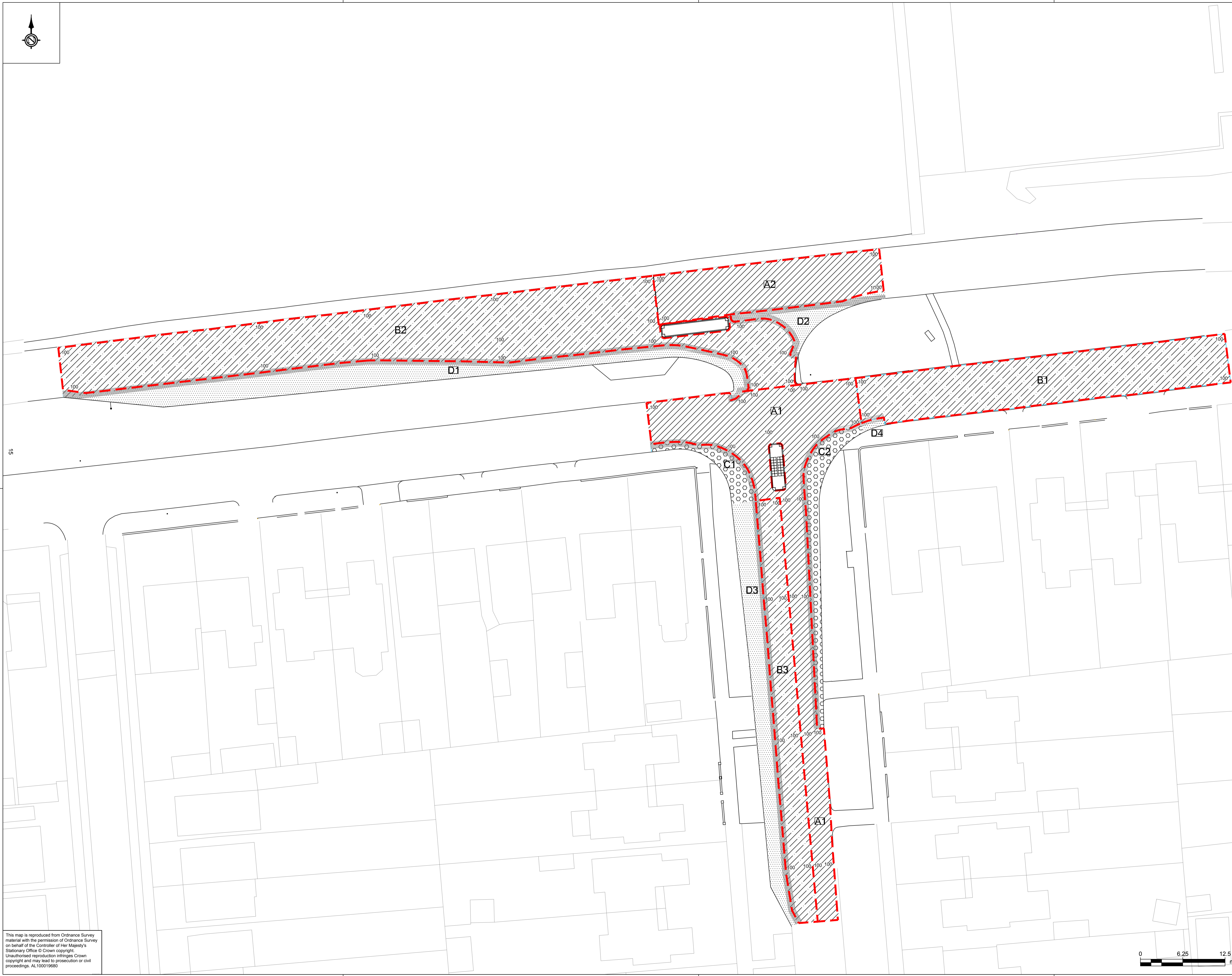
Drawn	Date	Scale
ETB	12/06/2020	@ A1
Checked	Date	1:250
Review	Date	
Approved	Date	Revision
		A

Drawing Status

Preliminary	Construction	<input checked="" type="checkbox"/>
Tender	As Constructed	<input type="checkbox"/>

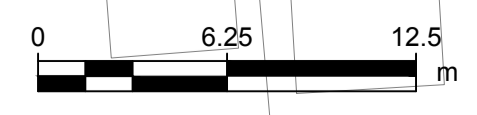
Drawing Number

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Revisions

Rev	Details	Auth	Date
A	Original Issue.	-	Jun-20

- Notes:
- All dimensions in metres.
 - For standard kerbing details, refer to drawing sheet numbers FW001, FW002 & FW003.
 - For details of kerbing and footway types, refer to Appendix 11/1.
 - Refer to 0500 series appendices for drainage specification.
 - Any differences in kerb upstand at the tie-in between proposed and existing are to be taken out over a 3m transition length. Upstands at this point are to match existing.
 - Existing carriageway to be saw cut to accept new kerb. Any void between kerb face and existing pavement to be filled with bituminous sealant.
 - Where mortar bed exceeds 50mm thick, ST1 concrete is to be used.
 - Where ST1 or ST4 concrete is used, it is to be in accordance with BS EN 8500-1 & 2, BS EN 206-1 SHW Cl. 1101 & 2602.
 - For details of new road gullies refer to Appendix 5/1 and MCHW HCD drawing F13.
 - Road gully grating frames shall be set 0-10mm below finished carriageway surface level.
 - Gully leads that cross the carriageway shall have a minimum cover of 750mm.
 - Maintenance bay to have a 2.5% crossfall toward the carriageway.
 - Do NOT scale this drawing.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risk normally associated with the types of work detailed on this drawing, note the following significant residual risks

Construction	Maintenance/Cleaning	Use	Decommissioning/Demolishing
None.	None.	None.	None.

Southend-on-Sea Borough Council

Department for Place

PO Box 5560, Civic Centre
Victoria Avenue, Southend on Sea,
SS2 6ZQ

Project Title

Bournemouth Park Road Junction Improvement

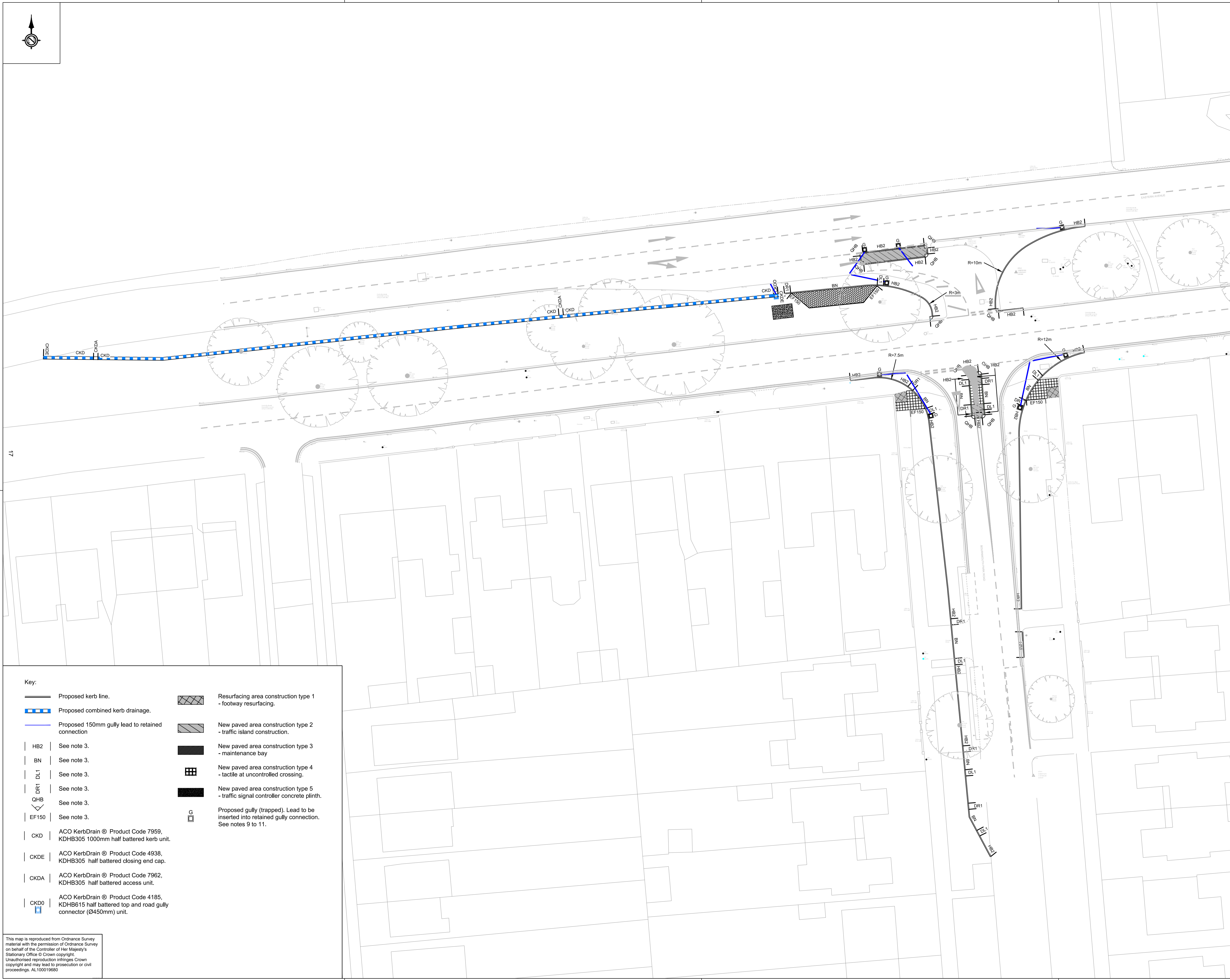
Drawing Title

Proposed footway, kerbing & drainage details

Drawn	Date	Scales @ A1	
ETB	12/06/2020	1:250	
Checked	Date		
Review	Date		
Approved	Date	Revision	A

Drawing Status		
Preliminary	Construction	<input checked="" type="checkbox"/>
Tender	As Constructed	<input type="checkbox"/>

Drawing Number
SBCC10384-128-SBC-BPR-C-1101



Key:

	Proposed kerb line.		Resurfacing area construction type 1 - footway resurfacing.
	Proposed combined kerb drainage.		New paved area construction type 2 - traffic island construction.
	Proposed 150mm gully lead to retained connection		New paved area construction type 3 - maintenance bay
	See note 3.		New paved area construction type 4 - tactile at uncontrolled crossing.
	See note 3.		New paved area construction type 5 - traffic signal controller concrete plinth.
	See note 3.		Proposed gully (trapped). Lead to be inserted into retained gully connection. See notes 9 to 11.
	See note 3.		
	See note 3.		
	See note 3.		
	ACO KerbDrain® Product Code 7959, KDHB305 1000mm half battered kerb unit.		
	ACO KerbDrain® Product Code 4938, KDHB305 half battered closing end cap.		
	ACO KerbDrain® Product Code 7962, KDHB305 half battered access unit.		
	ACO KerbDrain® Product Code 4185, KDHB615 half battered top and road gully connector (Ø450mm) unit.		

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Revisions			
Rev	Details	Auth	Date
A	Original Issue.	-	Jun-20

- Notes:
- All signs and road markings are to be in accordance with the Traffic Signs Regulations & General Directions 2016 (TSRGD) and Traffic Signs Manual chapters 1, 3 and 4.
 - All sign locations indicated are approximate and must be agreed on site with the supervisor prior to erection.
 - Where proposed road markings tie into existing road markings they shall be correctly aligned with existing road markings in accordance with dimensions shown in the TSRGD.
 - Any road markings removed or covered outside the extents of the main works for traffic management purposes are to be reinstated as existing upon scheme completion.
 - Where road markings are to be laid on existing pavements, redundant road markings are to be removed by appropriate methods.
 - For details of sign faces, posts and bases refer to document sheet number SBCC10384-128-SBC-BPR-C-1211 and Proposed sign schedule in Appendix 12/1.
 - All temporary signs are required to have a date on their reverse by which they should be removed (to be 3 months after installation on site). Text to measure 50mm height and label to be manufactured from one piece of U.V. stabilised self-adhesive vinyl.
 - Do NOT scale this drawing.

Key:

Sch14, 2, 46 1001 200	Road marking detail.
→	Directional road sign (non-illuminated).
→	Regulatory/Warning/Informatory road sign plate only.
→	Regulatory/Warning road sign (non-illuminated).
→	Temporary road sign (see note 7).
□	Traffic Bollards.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risk normally associated with the types of work detailed on this drawing, note the following significant residual risks

Construction	None.
Maintenance/Cleaning	None.
Use	None.
Decommissioning/Demolishing	None.

Southend-on-Sea Borough Council

Department for Place

PO Box 5560, Civic Centre
Victoria Avenue, Southend on Sea,
SS2 6ZQ

Project Title

Bournemouth Park Road Junction Improvement

Drawing Title

Proposed Road Markings & Signs

Drawn	Date	Scale
ETB	09/07/2020	@ A1
Checked	Date	1:500
Review	Date	
Approved	Date	Revision
		A

Drawing Status		
Preliminary	Construction	<input checked="" type="checkbox"/>
Tender	As Constructed	<input type="checkbox"/>

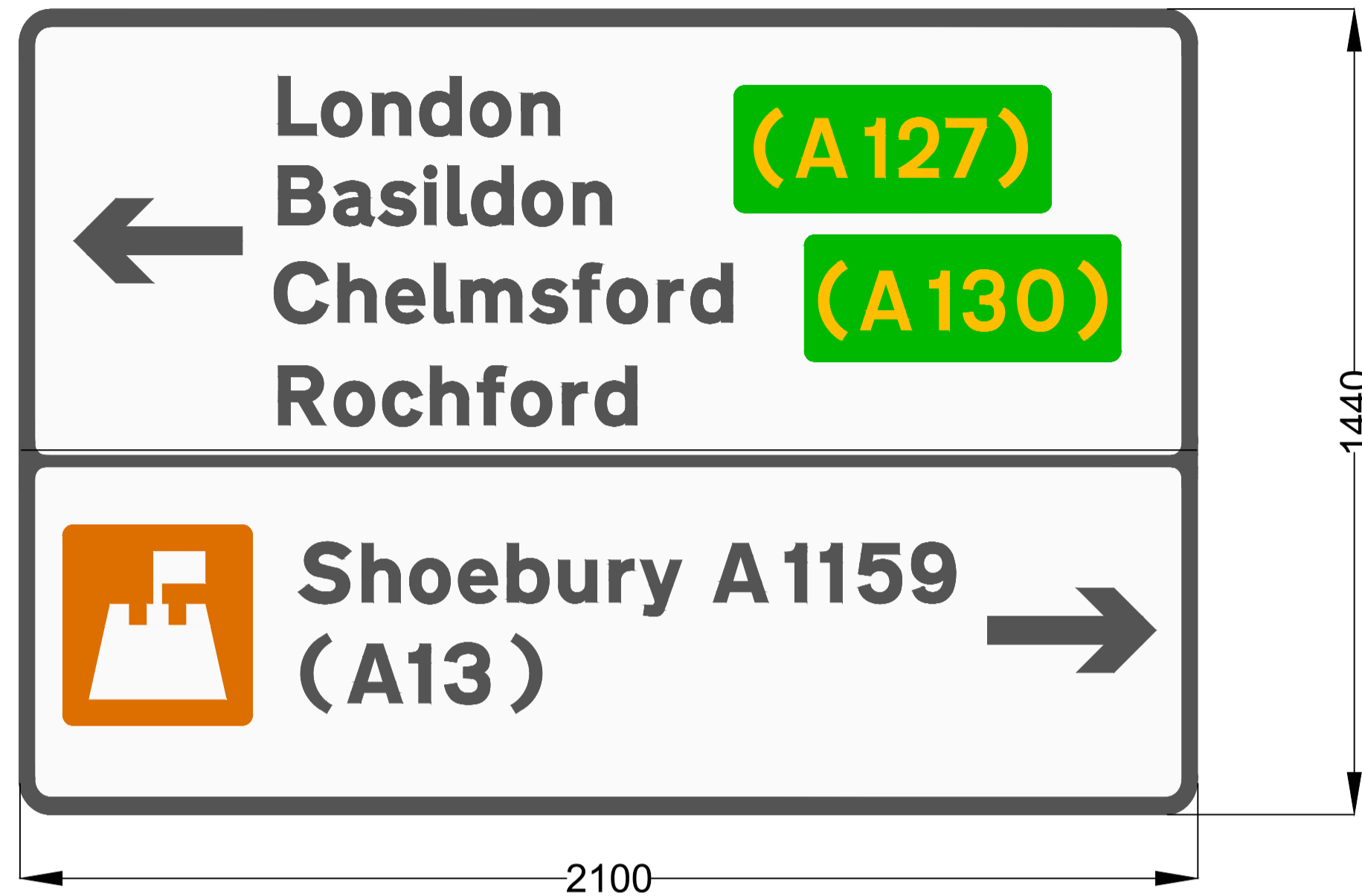
Drawing Number
SBCC10384-128-SBC-BPR-C-1201



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Revisions			
Rev	Details	Auth	Date
A	Original Issue.	-	Jun-20

Notes

1. Refer to document SBCC10384-128-SBC-BPR-C-1221 for details of signs posts and foundations
2. Refer to drawing SBCC10384-128-SBC-BPR-C-1201 for proposed sign locations.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risk normally associated with the types of work detailed on this drawing, note the following significant residual risks

Construction
None.
Maintenance/Cleaning
None.
Use
None.
Decommissioning/Demolishing
None.

Southend-on-Sea Borough Council

Department for Place

PO Box 5560, Civic Centre
Victoria Avenue, Southend on Sea,
SS2 6ZQ

Project Title

Bournemouth Park Road Junction Improvement

Drawing Title

Proposed sign face

Drawn	Date	Scales @ A1
ETB		
Checked	Date	
Review	Date	
Approved	Date	Revision
		A

Drawing Status		
Preliminary	<input checked="" type="checkbox"/>	Construction
Tender	<input type="checkbox"/>	As Constructed

Drawing Number

SBCC10384-128-SBC-BPR-C-1211

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ALL SIGNS TO THE TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS 2016.
Steel post specification: Circular Hollow Section (CHS), 43 Grade steel, unless otherwise specified
Concrete: ST2

Sign face of plastic coating type, Microprismatic Retroreflective material to BSI BS 8408

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Retroreflective sign face Class RA2 to BS EN 12899-1:2007 unless otherwise specified

Any road markings removed or covered outside the extents of the main works for traffic management purposes are to be reinstated as existing upon scheme completion.

Vertical spacing of 50mm to be allowed when signs mounted above each other of same post

For details of sign faces see drg. no.

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For details of signfaces locations see drg. nos.

SBCC10384-128-SBC-EA-C-1201

Sign Ref.	Description	Pre-2016 Diagram No.	Schedule (s)	Parts(s)	Item(s)	Size (mm)	"x" ht (mm)	Area (sq.m)	Illuminated	Post Details					Foundation Details			Minimum C/way Clearance (mm)	Comments
										Post Type	No. & Dia. (mm)	Thickness (mm)	Max length (mm)	Mtg. Ht. (mm)	Depth of cover (mm)	Length and Width of Concrete Surround to Post (mm)	D (mm)		
ES001	Advance Directional Stack Sign	N/A	N/A	N/A	N/A	Existing	Existing	Existing	N/A	CHS	2 x 88.9	4	4000	4350	150	800 x 600	600	450	-
ES002	Series of road humps ahead	557.1	10	2	1	600 dia	N/A	0.28274	N/A	CHS	1 x 88.9	4	3550	2800	150	800 x 600	600	450	-
ES003	Subplate for ES002	606	11	2	5	Existing	Existing	Existing	N/A	N/A	N/A	N/A	2100	N/A	N/A	N/A	N/A	450	Mounted below ES002
ES010	30mph Speed Limit	670	10	2	1	600 dia	N/A	0.28274	N/A	CHS	1 x 88.9	4	3550	2800	150	800 x 600	600	450	-
ES011	40mph Speed Limit	670	10	2	1	600 dia	N/A	0.28274	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	450	Mounted back to back with ES010
ES012	30mph Speed Limit	670	10	2	1	600 dia	N/A	0.28274	N/A	CHS	1 x 88.9	4	3550	2800	150	800 x 600	600	450	-
ES013	40mph Speed Limit	670	10	2	1	600 dia	N/A	0.28274	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	450	Mounted back to back with ES012
SS001	Keep Left Bollard	610	3.13	2.6	3.11	300 dia	N/A	0.0707	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	450	-
SS002	Keep Left Bollard	610	3.13	2.6	3.11	300 dia	N/A	0.0707	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	450	-
SS003	Plain Face Bollard	N/A	N/A	N/A	N/A	300 dia	N/A	0.0707	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	450	-
SS004	No U-Turns	614	3	2	6	300 dia	N/A	0.07069	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	450	To be mounted on Traffic signal
SS005	No U-Turns	614	3	2	6	300 dia	N/A	0.07069	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	450	To be mounted on traffic signal
SS006	No Entry	616	3	2	10	600 dia	N/A	0.2827	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	450	To be mounted on rear of traffic signal
SS007	No Entry	616	3	2	10	600 dia	N/A	0.2827	Yes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	450	To be mounted on rear of traffic signal
NS001	40mph Speed Limit	670	10	2	1	300dia	N/A	0.0707	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	450	Mounted below ES003
NS002	Advance Directional Stack Sign	N/A	N/A	N/A	N/A	1440 x 2100	75	3.024	N/A	CHS	2 x 88.9	4	4.3	2100	150	1200 x 800	600	450	-
TS001	New Traffic Signals Ahead	7014	13	6	37	N/A	62.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	450	To be mounted on existing street furniture and have a label on the back with removal date 3 months after installation
TS002	New Traffic Signals Ahead	7014	13	6	37	N/A	62.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	450	To be mounted on existing street furniture and have a label on the back with removal date 3 months after installation
TS003	New Traffic Signals Ahead	7014	13	6	37	N/A	62.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	450	To be mounted on existing street furniture and have a label on the back with removal date 3 months after installation

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Revisions			
Rev	Details	Auth	Date
A	Original Issue.	-	Aug-20

- Key
- Proposed (450mm x 450mm) duct access drawpit chamber
 - Proposed (650mm x 450mm) duct access drawpit chamber
 - Proposed single loop duct (50mm)
 - Proposed single signal duct (100mm)
 - Proposed 2-way signal duct (100mm)
 - Proposed 4-way signal duct (100mm)
 - Proposed 6-way signal duct (100mm)
 - Proposed 2-way UKPN electricity duct (125mm)
 - Proposed 4-way UKPN electrical duct (125mm)
 - Proposed tubular steel lighting column with UKPN connection to be transferred from existing
 - Proposed traffic signal controller box
 - Proposed NAL socket
 - Proposed mini feeder pillar
- Notes
- All dimensions in millimetres unless otherwise noted.
 - This drawing is to be read in conjunction with the 1300 series specification appendices
 - For details of proposed duct chambers, refer to SBC Folio Drawing DR-011
 - For details of proposed ducts, refer to Appendix 6/2.
 - Service duct pipe structure to comply with MCHW, SHW Clause 501.
 - Draw cords are to be inserted into service ducts and are to be tested in accordance with MCHW, SHW Clause 509 to allow pulling of cables between duct chambers.
 - For details of loop cable entry beneath kerbs, refer to MCHW, HCD Drawing No. G24 - Option 2.
 - Refer to drawing no. SBCC10384-128-SBC-BPR-C-1101 and Appendix 11/1 for tactile paving locations, details of the maintenance bay and hard standing for controller.
 - Signal pole socket to be NAL RS115 Retention Socket with Duckfoot Bend, laid to a depth of 150mm.
 - For signal pole locations refer to drawing no. SBCC10384-128-SBC-BPR-C-1302.
 - Proposed ducting between feeders pillars are for power supply cables only and must NOT pass through traffic signal chambers.
 - Permanent UKPN power connection to be supplied to the feeder pillar on Eastern Avenue on the southern footway.
 - For UKPN ducting requirements refer to drawing no. 8500110756 Proposal Plan@A3
 - Do NOT scale this drawing.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
In addition to the hazards/risk normally associated with the types of work detailed on this drawing, note the following significant residual risks	
Construction	None.
Maintenance/Cleaning	None.
Use	None.
Commissioning/Demolishing	None.

Southend-on-Sea Borough Council

Department for Place

PO Box 5560, Civic Centre
Victoria Avenue, Southend on Sea,
SS2 6ZQ

Project Title

Bournemouth Park Road Junction Improvement

Drawing Title

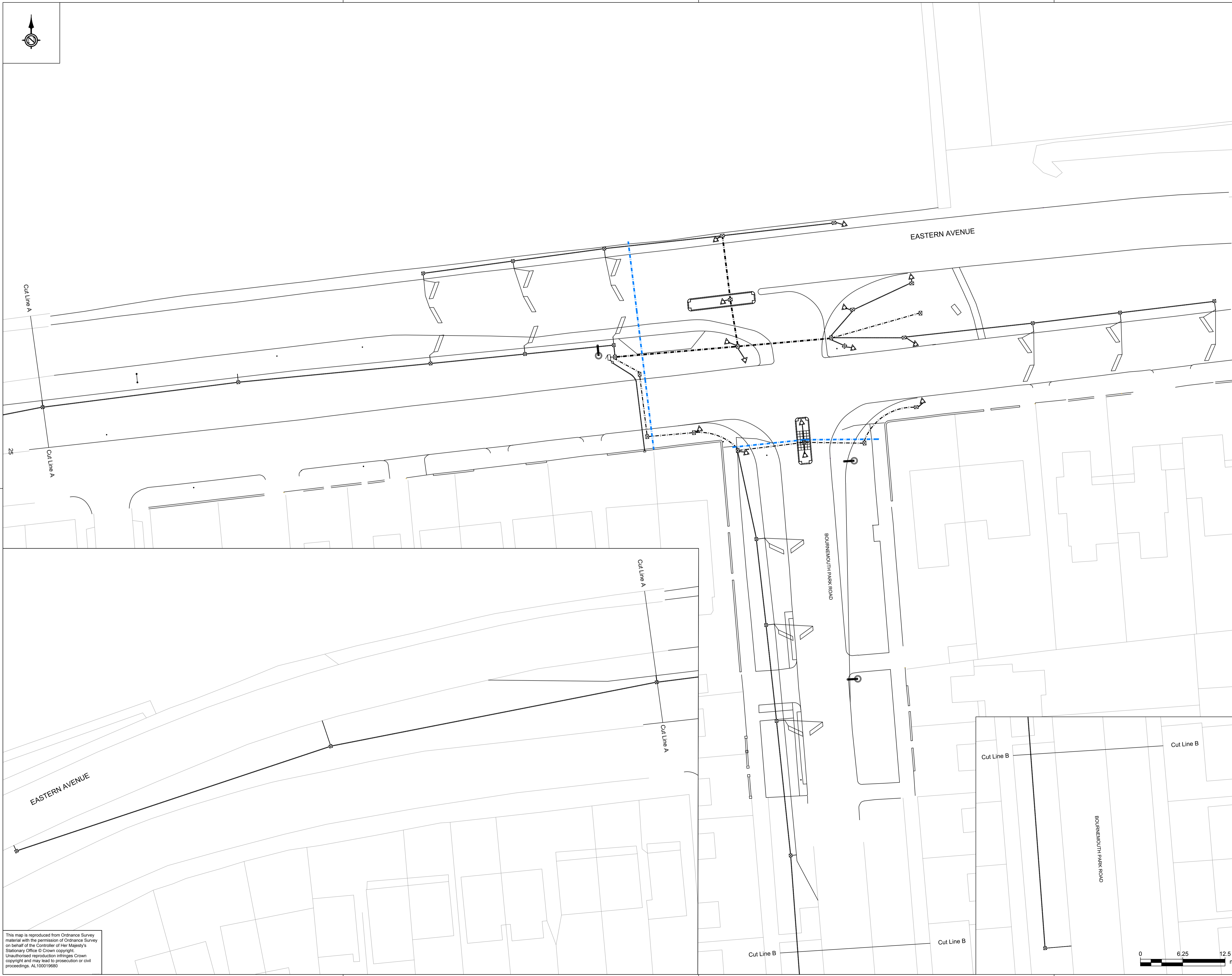
Traffic Signals Ducting, Chambers, Sockets and Street Lighting

Drawn	Date	Scales @ A1
ETB	13/07/2020	
Checked	Date	1:250
Review	Date	
Approved	Date	Revision
		A

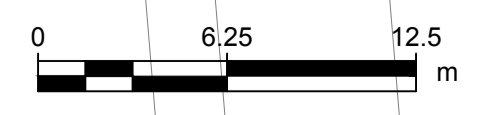
Drawing Status		
Preliminary	Construction	<input checked="" type="checkbox"/>
Tender	As Constructed	<input type="checkbox"/>

Drawing Number

SBCC10384-128-SBC-BPR-C-1301



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