



No Dimensions are to be scaled from this drawing.

- NOTES**
- All works carried out in the Public Highway are to be carried out in accordance with the London Borough of Havering specification to the satisfaction of the Highways Engineer.
 - The contractor is responsible for obtaining all necessary licences for works in the Public Highway.
 - If the CBR value for the sub grade is found to be less than 2%, the in situ measured value must be reported to Persimmon Homes Technical Dept for further advice.
 - For details of all on site works refer to the Overall External Works Plan, No. 16-011/330 and associated Construction Details provided on Drg. Nos. 16-011/316-318.
 - All necessary pedestrian and traffic management to be employed and agreed with the highway authority prior to works and be in accordance with Chapter 8 of the Traffic Signs Manual.
 - Footway levels to follow the existing road channel profile.
 - Continuity of access to occupied areas to be maintained to the satisfaction of the London Borough of Havering during any works within the Public Highway.
 - The Developer/Contractor is to provide suitable and effective means of wheel washing facilities to prevent mud from being conveyed on to the Public Highway and to provide the means to clean the highway to the satisfaction of the London Borough of Havering Engineer.
 - Any soft spots within the proposed highway shall be cut out and backfilled with Type 1 granular sub base material in 150mm (max.) compacted layers.
 - Any damage caused to the existing highways during the course of construction works to be repaired as directed by and to the satisfaction of the London Borough of Havering Engineer.
 - No concrete to be poured or laid at temperatures below 2°C on a falling maximum thermometer or before temperatures reaches 2°C on a rising maximum thermometer.
 - No works shall commence within the existing public highway until the agreement is signed.
 - All fill material up to foundation level of the proposed highways to be approved and compacted in layers as directed and to the satisfaction of the Highways Inspector.
 - Any existing live drains, sewers, ducts, cables etc. that will pass under the proposed highway shall be surveyed, probed, traced, rodded, jetted, CCTV etc. to ascertain their structural condition and suitability to fall within the new highway. If deemed necessary, special protection and/or replacement may be required as directed and to the satisfaction of the Highways Inspector, Area Engineer and/or Utility Company involved.
 - Any existing live manholes, chambers, boxes etc. that will be located within the proposed highway shall be surveyed to ascertain their structural condition and suitability to fall within the new highway. If deemed necessary, special protection and/or replacement may be required as directed and to the satisfaction of the Highways Inspector, Area Engineer and/or Utility Company involved.
 - All work within the carriageway to have 150mm deep frame. (manhole covers, gully gratings etc.)

Legend

- Proposed Tactile Paving
- Contour Paving (footway)
- Contour Paving (Cycleway)
- Road Traffic Signs (refer to sign schedule on drg 16-011/329)
- Existing Street Lighting Column
- Proposed Street Lighting Column
- Proposed Emergency Link
- Proposed Footway (and Footway/Cycleway) Construction
- Proposed Verge Construction
- Highway Boundary
- Existing Aquadrian Kerb along Bridge Deck
- Existing Asphalt construction over the Bridge Deck
- Existing Pedestrian Deterrant Paving
- Extent of Existing Bridge Deck (NO EXCAVATION WITHIN THIS AREA)

REVISIONS

NO	REVISION	DATE
T1	Tender Issue	21/09/16
T2	Road marking (Drg. No. 1040) added.	31/10/16
T3	S278 area levels revised, emergency access proposed levels added, proposed shared footway/cyclway marking revised, street lighting column relocated and associated notes revised, and legend revised, as per LB of Havering comments.	26/02/18
T4	Shared footpath revised to 3m, street lighting column relocated, WDAL logo revised.	08/06/18
T5	Existing aquadrian kerb, asphalt construction, pedestrian deterrant and Bridge deck details added as well as associated note revised. Additional legend added, as per LB of Havering comments.	24/10/18
T6	Toucan Crossing relocated to the west to avoid shallow bridge deck as per LB of Havering comments.	08/02/19
T7	Proposed tactile paving construction note to the south added/ revised. Extent of Existing Bridge deck legend staling. "No excavation within this area" added, as per LB of Havering comments.	01/03/19

SUBJECT TO SECTION 278 APPROVAL BY LONDON BOROUGH OF HAVERING

WITHERS
DESIGN ASSOCIATES

CIVIL ENGINEERING & INFRASTRUCTURE DESIGN

Unit 12, Wakes Hall Business Centre
Wakes Colne, Colchester, Essex
CO6 2DY
01206 247081

PROJECT
DOVERS CORNER RAINHAM

CLIENT
PERSIMMON HOMES (ESSEX) LTD

DRAWING TITLE
SECTION 278 GENERAL ARRANGEMENT - TOUCAN CROSSING

SCALE	DATE	INIT	CHKD
1:200 @ A1	08/16	nas	maw

STATUS
TENDER

DRG NO
16-011/326

REVISION
T7