



- NOTES:**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ALL OTHER RELATED DRAWINGS ISSUED BY THE ENGINEER.
  - DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
  - ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
  - ALL DIMENSIONS, LEVELS AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED ON SITE AND THE ENGINEER NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF THE WORKS.
  - NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT PRIOR PERMISSION FROM THE ENGINEER.
  - ALL MATERIALS AND WORKMANSHIP SHALL COMPLY FULLY WITH THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS, VOLUME ONE, SPECIFICATION FOR HIGHWAY WORKS AND THE LOCAL AUTHORITY ESSEX COUNTY COUNCIL SPECIFICATION FOR ROAD CONSTRUCTION AND STANDARD DETAILS.
  - THE CONTRACTOR SHALL UNDERTAKE SUCH MATERIALS TESTING AS INDICATED IN THE SPECIFICATIONS AND SHALL INCLUDE THE COST OF TESTING IN THE TENDER.
  - UNLESS STATED OTHERWISE, ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF AT AN APPROVED TYP OFF-SITE.
  - THE PUBLIC HIGHWAY AND WORKS WILL BE KEPT CLEAN AND FREE OF DEBRIS BY USE OF WHEEL WASHING FACILITIES AND ROAD SWEEPERS TO THE COUNCIL'S SATISFACTION.
  - ALL SETTING OUT SHALL BE AGREED ON-SITE WITH THE ENGINEER, PRIOR TO THE COMMENCEMENT OF THE WORKS.
  - THIS DRAWING HAS BEEN BASED UPON A TOPOGRAPHICAL SURVEY PRODUCED BY SURVEY SOLUTIONS.
  - UPON COMPLETION OF THE WORKS, THE CONTRACTOR SHALL UNDERTAKE ALL NECESSARY MAINTENANCE REPAIRS TO RETURN THE HIGHWAY TO ITS FORMER CONDITION.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS FROM THE LOCAL AUTHORITY PRIOR TO COMMENCING WORKS ON THE HIGHWAY.

- COM NOTES:**
- THE ATTENTION OF THE CLIENT AND THE PRINCIPAL CONTRACTOR IS DRAWN TO THE FOLLOWING POTENTIAL RISKS IN CONJUNCTION WITH THE PROPOSED ON-SITE AND OFF-SITE WORKS AS DESIGNED FOR THIS PROJECT.
  - WORKS IN THE VICINITY OF LIVE SERVICES INCLUDING GAS, ELECTRICITY AND BT WILL BE NECESSARY AND THE ADVICE OF ALL STATUTORY SERVICE COMPANIES MUST BE SOUGHT BEFORE ANY WORKS COMMENCE.
  - WORKS WITHIN AND ADJUTING THE EXISTING HIGHWAY WILL ENTAIL TRAFFIC HAZARDS AND ALL APPROPRIATE SAFETY MEASURES INCLUDING BARRIERS, SIGNS AND LIGHTING MUST BE UNDERTAKEN TO THE APPROVAL OF THE LOCAL AUTHORITY, THE HIGHWAY AUTHORITY AND THE POLICE DEPARTMENT.
  - HAZARDOUS MATERIALS INCLUDING CEMENT AND BITUMINOUS MATERIALS ARE SPECIFIED AND THE MANUFACTURERS ADVICE ON SAFE HANDLING PROCEDURES MUST BE OBTAINED AND MADE CLEAR TO ALL OPERATIVES.
  - THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES WITHIN THE VICINITY OF THE WORKS HAND DUG AND ENSURE THESE ARE PROTECTED THROUGHOUT THE DURATION OF THE WORKS. ALL UTILITY PLANT SHOULD BE CLEARLY MARKED ON THE GROUND PRIOR TO COMMENCEMENT OF THE WORKS.
  - THE CONTRACTOR MUST ENSURE ALL WORKING AREAS ARE FULLY SECURE.

- ROAD MARKING NOTES:**
- ALL ROAD MARKINGS AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS 2016, TRAFFIC SIGN MANUAL 2018 AND TO THE REQUIREMENTS OF THE LOCAL AUTHORITY.
  - ALL SURFACE MARKINGS SHALL BE REFLECTORISED BY MEANS OF SPHERICAL GLASS BEADS TO BS4243, CLASS A, PREMIXED DURING COMPOUNDING AT A RATE OF 20% BY WEIGHT AND ADDITIONALLY BY SPHERICAL GLASS BEADS TO BS4243, CLASS B, SURFACE APPLIED DURING APPLICATION AT A RATE OF 400-500G/M<sup>2</sup>.
  - THE SKID RESISTANCE OF ALL SURFACE MARKINGS SHALL NOT BE LESS THAN 55.
  - EXACT LOCATIONS OF THE SURFACE MARKINGS SHALL BE AGREED ON SITE WITH THE ENGINEER PRIOR TO THEIR PERMANENT APPLICATION.

- S278 WORKS KEY**
- PROPOSED/EXISTING CARRIAGEWAY
  - PROPOSED RAISED TABLE
  - PROPOSED SURFACE COURSE WITH HIGH PSV SURFACE OF 68 ON APPROACHES TO PEDESTRIAN CROSSING
  - PROPOSED/EXISTING FOOTWAY/CYCLE WAY
  - PROPOSED SEPARATION ISLAND CONSTRUCTION
  - EXISTING VERGE TO BE RETAINED
  - PROPOSED VERGE
  - PROPOSED UNCONTROLLED TACTILE CROSSING
  - PROPOSED CORDUROU TACTILE PAVING
  - 2.4m x 4.3m VISIBILITY SPLAYS
  - ADOPTED HIGHWAY BOUNDARY
  - EXISTING ROAD SIGN LOCATION
  - EXISTING ROAD SIGN TO BE RELOCATED
  - PROPOSED TRAFFIC BOLLARD TO SPLITTER ISLAND
  - HIGH MAST BELISHA BEACON WITHIN SPLITTER ISLAND
  - PROPOSED SIGNED BOLLARD TO CYCLEWAY
  - EXISTING BOLLARD TO BE REMOVED
  - EXISTING TRAFFIC LIGHT / TRAFFIC LIGHT CONTROL TO BE RELOCATED
  - UTILITY COVER / CABINET TO BE RELOCATED
  - EXISTING BT CHAMBER TO BE REPOSITIONED
  - EXISTING OVERHEAD LINES AND POST TO BE RELOCATED
  - PROPOSED YARD GULLY WITHIN FOOTWAY
  - PROPOSED ROAD GULLY & CONNECTION
  - EXISTING GULLY TO BE REMOVED
  - PROPOSED PEDESTRIAN GUARD RAIL
  - PROPOSED S38 STREET LIGHTING - REFER TO RINGWAY JACOBS STREET LIGHTING DESIGN, DRAWING ECC-20-544-4-100-003 FOR DETAILED LIGHTING PLAN & SPECIFICATION
  - EXISTING LIGHTING COLUMN TO BE DISCONNECTED AND REMOVED
  - EXISTING LIGHTING COLUMN TO BE RETAINED
  - PROPOSED HIGHWAY SW DRAIN
  - EXISTING HIGHWAY SW DRAIN TO BE DIVERTED
  - EXISTING HIGHWAY SW DRAIN TO BE RETAINED
  - PROPOSED SW CATCHPIT MH
  - PROPOSED CHANNEL DRAIN WITHIN FOOTWAY/CYCLEWAY
  - GALVANISED STEEL HOOPED BARRIER

FOR DETAILED STREET LIGHTING DESIGN REFER TO RINGWAY JACOBS DRAWING ECC-20-544-4-1300-03

ALL IRONWORKS WITHIN THE WORKS EXTENT TO BE ADJUSTED TO SUIT PROPOSED LEVELS.

ALL GULLIES WITH FOOTWAY SHALL HAVE PEDESTRIAN FRIENDLY COVERS



TENDER ISSUE  
NOT FOR CONSTRUCTION  
SUBJECT TO APPROVAL

Rev	Description	Drn	Chk	App	Date
F	KEEP CLEAR SIGNAGE REMOVED AND YELLOW BOX JUNCTION ADDED	AF	AF	BB	24.10.22
E	TACTILES OMITTED FROM TOLCAN CROSSING SPLITTER ISLAND, EXTENT OF ZIG ZAG ROAD MARKINGS UPDATED	AF	AF	BB	24.08.22
D	PROPOSED HIGHWAY DRAINAGE UPDATED, 20mph ZONE SIGNAGE INDICATED	AF	AF	BB	09.06.22
C	UPDATES FOLLOWING ECC COMMENTS	AF	AF	BB	13.05.22
B	PROPOSED DRIVEWAY ALIGNMENT TO 146 ASHINGDON ROAD ADDED	AF	AF	BB	26.10.21
A	ISSUED FOR TENDER	AMC	AF	BB	22.10.20

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Client: **BLOOR HOMES**

Project Title: **LAND EAST OF ASHINGDON ROAD, ROCHFORD**

Drawing Title: **S278 WORKS ASHINGDON ROAD GENERAL ARRANGEMENT**

A1 Scale	Date	Designed by
1:250	MARCH 2020	AF
Drawn by	Checked by	Approved by
CI	AF	BB

Drawing Number: **EA-PA604-EN-300** Rev **F**

- DRAWING TO BE READ IN CONJUNCTION WITH THE FOLLOWING DRAWINGS:**
- EA-PA604-EN-301 S278 WORKS ASHINGDON ROAD - SITE CLEARANCE AND PAVING CONSTRUCTION PLAN
  - EA-PA604-EN-302 S278 WORKS ASHINGDON ROAD - CONTOURS AND GEOMETRY PLAN
  - EA-PA604-EN-303 S278 WORKS ASHINGDON ROAD - DRAINAGE GENERAL ARRANGEMENT PLAN
  - EA-PA604-EN-304 S278 WORKS ASHINGDON ROAD - DRAINAGE CATCHMENT PLAN
  - EA-PA604-EN-305-306 S278 WORKS ASHINGDON ROAD - CONSTRUCTION DETAILS

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