NOTES

1. ALL ADOPTABLE SEWERS AND ASSOCIATED WORKS ARE TO COMPLY FULLY WITH 'SEWERS FOR ADOPTION' 7TH EDITION. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE ON-SITE DRAINAGE PRIOR TO UNDERTAKING ANY WORKS AND ANY DISCREPANCIES WITH BOUNDARIES, RENDELINES, EARTHWORKS OR OTHERWISE REPORTED IMMEDIATELY TO THE ENGINEER PRIOR TO WORKS COMMENCING.

2. ALL HIGHWAY AND DRAINAGE WORKS TO BE TO ADOPTABLE STANDARDS AND SHALL COMPLY FULLY WITH THE LOCAL AUTHORITY SPECIFICATION, APPROVED STANDARD DETAILS AND THE RELEVANT SECTIONS OF THE DESIGN MANUAL FOR ROADS AND BRIDGES, SPECIFICATION FOR HIGHWAY WORKS AND BRITISH STANDARDS. CONTRACTOR TO ENSURE POSITIVE DRAINAGE TO ALL CHILLIES PRIOR TO UNDERTAKING ANY PAVEMENT WORKS.

3. ANY PRIVATE WORKS ARE TO COMPLY FULLY WITH THE LATEST EDITIONS OF THE BUILDING REGULATIONS

4. ALL EXISTING STATIONS, INVERT LEVELS AND DRAINAGE NETWORK TO BE CHECKED BY THE CONTRACTOR AT THE START OF WORKS AND ANY DISCREPANCIES NOTIFIED TO THE ENGINEER. ALL LEVELS ARE BASED ON TOPOGRAPHICAL SURVEY INFORMATION PROVIDED BY OTHERS, ANY DISCREPANCIES BETWEEN THIS AND OTHER DRAWINGS TO BE REPORTED TO THE ENGINEER PRIOR TO CONSTRUCTION

5. ALL MATERIALS TO BEAR THE RELEVANT B.S/CTE/MARK AND COMPLY FULLY WITH THE SPECIFICATIONS. ALL MATERIALS TO BE AGREED WITH THE OVERSEEING LOCAL AUTHORITY REPRESENTATIVE PRIOR TO ORDERING. ALL CONCRETE & CONCRETE PRODUCTS MUST USE SULPHATE RESISTANT CEMENT (UNLESS THE SITE INVESTIGATION REPORT PROVES THAT SUCH MATERIALS ARE NOT REQUIRED) AND GROUNDWATER WILL NOT OCCUR.

6. ALL STATUTORY CONSENTS, OPENING NOTICES ETC. AS REQUIRED UNDER HIGHWAYS ACTS AND WATER INDUSTRIES ACTS., ARE TO BE OBTAINED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF THE WORKS (UNLESS OTHERWISE STATED). ALL WORKS ARE TO BE INSPECTED BY L.A., NHBC OR STATUTORY AUTHORITY AS APPLICABLE.

7. CONTRACTOR TO MAKE ADVANCE ALLOWANCE FOR THE MANAGEMENT AND COORDINATION OF STATUTORY UNDERTAKERS EQUIPMENT IN THE HIGHWAY. THE CONTRACTOR SHALL ENSURE THAT ALL STATUTORY UNDERTAKERS EQUIPMENT IN THE HIGHWAY SHOULD BE IDENTIFIED BY THE CONTRACTOR ON SITE PRIOR TO STARTING ANY WORKS. THE LOCATION OF STATUTORY PLANT SHOWN ON ANY PLANS IS INDICATIVE ONLY AND SHOULD NOT BE RELIED UPON FOR THE LOCATION OF ANY PIPEWORK OR CABLING. THE CONTRACTOR SHOULD CONFIRM THE LOCATION OF ALL STATS PLANT BY HAND DUG TRIAL TRENCHES PRIOR TO COMMENCING ANY WORKS. ALLOWANCE FOR THE PRESENCE OF ALL STATS APPROPRIATE PROTECTION / DIVERSION MEASURES (INCORPORATING SPLIT DUCT AND 150MM CONCRETE SURROUND OR SIMILAR STATUTORY APPROVED METHOD) IS TO BE PUT IN PLACE BY THE CONTRACTOR (UNLESS STATED OTHERWISE) WHERE STATS EQUIPMENT ARE FOUND TO BE WITHIN THE AREA OF HIGHWAY WORKS.

8. PRIOR TO ORDERING THE CONTRACTOR IS TO AGREE ALL SIGN POST/LIGHTING COLUMN MATERIALS AND FINISHES WITH THE LOCAL AUTHORITY. ALL SIGNS TO COMPLY WITH BS EN 12899:2007 AND ITS NATIONAL ANNEX. TYPE OF POSTS, FINISHES AND LIGHTING UNITS/COLUMNS TO BE AGREED WITH LA STREETLIGHTING ENGINEER PRIOR TO ORDERING. CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE PROVISION OF ALL REQUIRED EQUIPMENT AND ELECTRICAL FEEDS TO LIGHTING AND ANY SIGNALS PRIOR TO WORKS COMMENCING. CONTRACTOR TO MAKE ALLOWANCE FOR ANY LEAD INS WITHIN THEIR PROGRAMME.

9. ALL ROADMARKINGS TO BE LAID IN ACCORDANCE WITH THE REQUIREMENTS OF THE TRAFFIC SIGNS MANUAL CHAPTER 5 AND THE DIAGRAMS AND GENERAL DIRECTIONS. ROADMARKING MATERIALS, LAYING AND PERFORMANCE TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF BS EN 1436:ALL ACCESS COVERS WITHIN THE VICINITY OF THE WORKS TO HAVE HIGH FRICTION COVERS AND AGREED WITH LA ENGINEER. FSV OF ALL LIVING AND COVERS TO SUIT ADJACENT SURFACING.

10. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL ADVANCE NOTICES ARE IN PLACE AND TRAFFIC MANAGEMENT AGREED FOR THE WORKS PRIOR TO COMMENCING. THE CONTRACTOR IS TO MAKE ALLOWANCE FOR THE ADVANCE PROVISION OF ALL ELECTRICAL WORKS AND EQUIPMENT FOR SIGNALS AND STREETLIGHTING WITHIN THEIR PROGRAMME OF WORKS

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IN LINE WITH THE ABOVE REGULATIONS WE ARE OBLIGED TO INFORM THE CLIENT OF THE RISKS THAT MAY BE ENCOUNTERED IN THE CONSTRUCTION OF THESE WORKS. WHEREVER POSSIBLE RISKS HAVE BEEN ELIMINATED FROM THE DESIGN, HOWEVER DUE TO THE VERY NATURE OF THIS TYPE OF WORK IT IS NOT POSSIBLE TO REMOVE ALL RISKS. IT IS THE CLIENTS DUTY TO ENSURE THAT ALL CONTRACTORS WHO ARE TENDERING FOR THE WORKS TAKE ALL REASONABLE STEPS IN ENSURING THAT ONLY COMPETENT CONTRACTORS WHO HAVE A VALID SAFETY POLICY ARE EMPLOYED. THEY SHOULD ALSO PROVIDE SATISFACTORY RESPONSES AT TENDER STAGE AS TO THE MANNER IN WHICH THEY WILL DEAL WITH THE ELEMENTS OF RISK INVOLVED IN THIS TYPE OF WORK AND IN PARTICULAR THOSE HIGHLIGHTED BY CROFT BELOW:-

1. TRENCH EXCAVATIONS IN EXCESS OF 1.2M DEEP.
2. GUARDING TO EDGES OF EXCAVATIONS TO PREVENT PEOPLE, MATERIALS AND VEHICLES FALLING INTO EXCAVATIONS.
3. GUARDING OF EXCAVATIONS OUTSIDE WORKING HOURS TO PREVENT UNAUTHORISED ACCESS.
4. UNDERMINING TO ADJACENT ROADS OR STRUCTURES.
5. CONFINED SPACE OPERATIONS.
6. DEALING WITH EXISTING SERVICES.
7. TRAFFIC MANAGEMENT ON EXISTING HIGHWAYS AND PROTECTION OF SITE PERSONNEL AND MEMBERS OF THE PUBLIC.
8. PROCEDURE TO BE FOLLOWED IN EVENT OF ACCIDENT OR EMERGENCY.
9. METHOD OF WORKING WHERE CONTAMINATED GROUND IS PRESENT ON SITE.
10. CONFIRMATION WILL BE REQUIRED THAT ALL OPERATIVES ARE ADEQUATELY TRAINED, COPIES OF RELEVANT CERTIFICATES TO BE SUBMITTED.
11. ANY CONSTRUCTION PERSONNEL, INCLUDING OPERATIVES INTENDING TO CONSTRUCT THE DESIGNS SHOWN ON THIS DRAWING SHOULD ENSURE THAT THEY
HAVE BEEN REGULARLY AND THOROUGHLY BRIEFED BY THE PRINCIPAL CONTRACTOR ON ALL HEALTH AND SAFETY MATTERS AND HAVE HAD SIGHT OF:

i) THE FULL DESIGNERS AND CONTRACTORS RISK ASSESSMENTS AND RISK REGISTERS.
ii) THE DEVELOPED CONSTRUCTION HEALTH AND SAFETY PLAN
iii) THE CONTRACTORS CONSTRUCTION METHOD STATEMENTS.

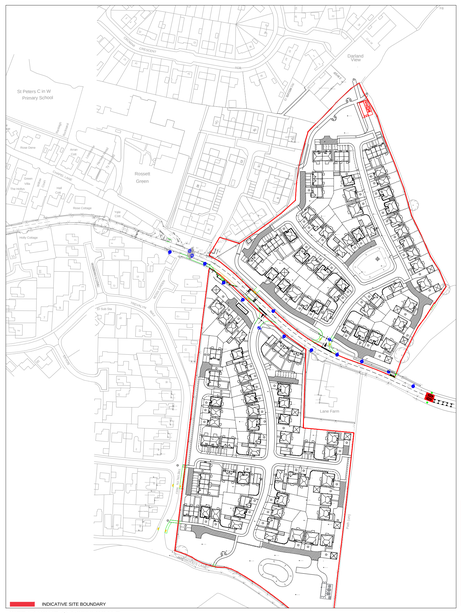
THE ABOVE LIST IS BY NO MEANS EXHAUSTIVE BUT IT DOES HIGHLIGHT OPERATIONS THAT PRESENT A RISK TO CONTRACTORS AND THE GENERAL PUBLIC.

DENOTES NEW KERBS
EXISTING ROAD MARKINGS
PROPOSED ROAD MARKINGS
PROPOSED STREET LIGHTING COLUMN

EXISTING TACTILE PAVING TO BE REMOVED AND FOOTWAY REINSTATED.
EXISTING ZEBRA CROSSING
EXISTING REFUGE ISLANDS/KERBS TO BE REMOVED AND CARRIAGEWAY REINSTATED.
EXISTING REDUNDANT ROAD MARKINGS TO BE REMOVED AND REPLACED WITH NEW CENTRE-LINE MARKING TO DIA.1004.
SHORT EXTENT OF HEDGE ADJACENT TO CROSSING TO BE REMOVED AND REPLACED TO ENSURE VISIBILITY TO CROSSING POINT IS ACHIEVED.
FLAT TOP SPEED TABLE SUITABLE FOR BUSES TO BE 75MM HIGH, 6M FLAT LENGTH WITH MAX 1:20 ON/OFF GRADIENT (MAX).
EXISTING 20MPH SIGNAGE BACK TO BACK WITH 40MPH SIGNAGE AND MARKINGS TO BE MOVED SOUTH-EAST OF SITE. FRONTAGE, EXACT LOCATION TO BE AGREED WITH LA ENGINEER.
PROPOSED 13M/0M BUS LAY-BY WITH SHELTER.
2.4x57M VISIBILITY SPLAY IN ACCORDANCE WITH SPEED SURVEY RESULTS.
20M VISIBILITY SPLAYS TO CROSSING IN ACCORDANCE WITH MFS TABLE 7.1 CHAPTER 4 FOR 20MPH SPEEDS.
NEW FOOTWAYS ALONG SITE FRONTAGE TO BE PROVIDED AS PART OF ON-SITE PROPOSALS.
NEW UNCONTROLLED PEDESTRIAN CROSSING - RAISED TABLE WITH FLAT TOP SPEED TABLE TO LINK PROPOSED INTERNAL SITE FOOTWAYS.
EXISTING HEDGEROW TO BE REMOVED AND REPLACED WITH NEW TREES/LANDSCAPING IN LINE WITH ON SITE DRAWINGS.
VISIBILITY SPLAYS TO BE KEPT FREE OF ALL OBSTRUCTIONS IN EXCESS OF 1M IN HEIGHT ABOVE THE LEVEL OF THE NEARSIDE EDGE OF ADJOINING HIGHWAY (EXCLUDING LIGHTING COLUMN/MINOR ROAD SIGNS ETC). THE VISIBILITY ENVELOPES SHALL THEREAFTER BE PERMANENTLY RETAINED CLEAR OF ANY SUCH OBSTRUCTION TO VISIBILITY.
2.4x57M VISIBILITY SPLAY IN ACCORDANCE WITH SPEED SURVEY RESULTS.
EXISTING REDUNDANT ROAD MARKINGS TO BE REMOVED AND REPLACED WITH NEW CENTRE-LINE MARKING TO DIA 1004.
2.4x59.39M VISIBILITY SPLAY IN ACCORDANCE WITH SPEED SURVEY RESULTS.
ANY EXISTING OVERHANGING VEGETATION TO BE TRIMMED BACK TO ENSURE VISIBILITY REMAINS UNAFFECTED.
2.4x59.39M VISIBILITY SPLAY IN ACCORDANCE WITH SPEED SURVEY RESULTS.
EXISTING FLAGPOST SIGN TO BE MOVED TO BACK OF SHARED FOOTWAY AS SHOWN.
ROAD HUMPS WARNING SIGN.
POTENTIAL LOCATION OF 20MPH SIGNAGE BACK TO BACK WITH 40MPH SIGNAGE AND MARKINGS.
EXISTING VEHICLE CROSSING TO REMAIN UNAFFECTED.
NEW FOOTWAY LINK WITH UNCONTROLLED CROSSING TO EXISTING FOOTWAY ON WESTERN SIDE OF TREVALYN WAY.
EXISTING VEHICLE CROSSING TO REMAIN UNAFFECTED.
NEW FOOTWAY LINK WITH UNCONTROLLED CROSSING TO EXISTING FOOTWAY ON WESTERN SIDE OF TREVALYN WAY.



NORTH SOUTH AERIAL VIEW



SITE LAYOUT @ 1:2000 SCALE

WARNING:- PRESENCE OF EXISTING STATS EQUIPMENT IN THE VICINITY OF WORKS

PRESENCE OF STATUTORY UNDERTAKERS EQUIPMENT IN THE HIGHWAY SHOULD BE VERIFIED BY THE CONTRACTOR ON SITE PRIOR TO STARTED ANY WORKS. THE LOCATION OF STATUTORY PLANT SHOWN ON ANY PLAN IS INDICATIVE ONLY AND SHOULD NOT BE RELIED UPON FOR THE LOCATION OF ANY PIPEWORK OR CABLING. THE CONTRACTOR SHOULD CONFIRM THE LOCATION OF ALL STATS PLANT BY HAND DUG TRIAL TRENCHES PRIOR TO COMMENCING ANY WORKS. ALLOWANCE FOR THE PRESENCE OF ALL STATS APPROPRIATE PROTECTION / DIVERSION MEASURES (INCORPORATING SPLIT DUCT AND 150MM CONCRETE SURROUND OR SIMILAR STATUTORY APPROVED METHOD) IS TO BE PUT IN PLACE BY THE CONTRACTOR (UNLESS STATED OTHERWISE) WHERE STATS EQUIPMENT ARE FOUND TO BE WITHIN THE AREA OF HIGHWAY WORKS.

REV	DETAILS	DRAWN	CHECKED	DATE
Q	AMENDED TO COMMENTS (STAGE 1 S278 EXC. HOLT ROAD)	JC	JC	SEP 24
P	AMENDED TO COMMENTS	SL	JC	JUN 24
O	AMENDED TO COMMENTS	LB	JC	JUN 24
N	UPDATED SITE LAYOUT	LB	JC	MAR 24
M	REVISED FOLLOWING WREXHAM COMMENTS	LB	JC	MAR 24
L	REVISED FOLLOWING WREXHAM COMMENTS	JC	MC	AUG 22
K	REVISED FOLLOWING WREXHAM COMMENTS	JC	MC	JUN 22
J	REVISED FOLLOWING WREXHAM COMMENTS	JC	MC	MAY 22
I	REVISED FOLLOWING WREXHAM PLANNING COMMENTS	JC	MC	APR 22
H	REVISED FOLLOWING WREXHAM PLANNING COMMENTS	JC	MC	FEB 22
G	REVISED FOLLOWING WREXHAM FIRST TECHNICAL REVIEW	JC	MC	NOV 21
F	REVISED FOLLOWING WREXHAM PLANNING COMMENTS	JC	MC	OCT 21
E	REVISED FOLLOWING WREXHAM PLANNING COMMENTS	JC	MC	OCT 21
D	ADDITIONAL CROSSING ON HOLT ROAD	JC	MC	OCT 21
C	REVISED IN LINE WITH STAGE 1/2 RSA.	JC	MC	MAY 21
B	ADDITIONAL FOOTWAY LINKS OUTSIDE OF RED EDGE ADDED	JC	MC	APR 21
A	ADDITIONAL FOOTWAY LINKS OUTSIDE OF RED EDGE ADDED	JC	MC	MAR 21

CLIENT:
MACBRYDE HOMES

PROJECT:
ROSSETT ROAD,
WREXHAM

DRAWING TITLE:
PHASE 1
S278 GENERAL ARRANGEMENT

SCALES:
1:500 @ A0

DRAWN:	CHECKED:	DATE:
JC	MC	JAN 21

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DRAWING NUMBER: 3261-D001
REVISION: Q

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