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GENERAL NOTES:

1. DO NOT USE THIS DRAWING IN ISOLATION. THIS DRAWING HAS BEEN PREPARED AS PART OF A SET, AND MUST THEREFORE BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS. ANY DISCREPANCIES OR DESIGN QUERIES MUST BE REPORTED TO QUEENSBERRY DESIGN LTD PRIOR TO TENDER AND COMMENCEMENT OF WORKS. FOLLOWING COMPLETION OF TENDER IT IS ASSUMED THAT DEVELOPER AND CONTRACTOR ARE IN FULL AGREEMENT WITH THE DESIGN DRAWINGS (WITH THE EXCEPTION OF PRE TENDER QUERIES ONLY).
2. THIRD PARTY INFORMATION IS USED TO PREPARE THE ENGINEERING DESIGN (INCLUDING, ARCHITECTURAL LAYOUT, GROUND INVESTIGATION, EXISTING UTILITIES RECORDS, AND SPECIALIST DESIGN ITEMS). THE ENGINEERING DESIGN MUST THEREFORE BE READ IN CONJUNCTION WITH ALL THIRD PARTY INFORMATION PRIOR TO COMMENCING WORK. QUEENSBERRY DESIGN LTD ARE NOT RESPONSIBLE FOR ANY THIRD PARTY INFORMATION OR DETAILS.
3. DRAWING STATUS WILL REMAIN PRELIMINARY UNTIL FULL TECHNICAL APPROVAL IS RECEIVED FROM LOCAL AUTHORITY AND SEWERAGE UNDERTAKER. WORKS COMMENCED PRIOR TO TECHNICAL APPROVAL ARE DONE SO AT RISK AND MAY BE SUBJECT TO CHANGE.
4. THE CONTRACTOR IS EXPECTED TO PREPARE APPROPRIATE CONSTRUCTION METHOD STATEMENTS FOR ALL ASPECTS OF APPORTED WORK. THIS MUST INCLUDE ALL ASPECTS OF HEALTH AND SAFETY.
5. LAND DRAINAGE IS NOT PERMITTED TO DISCHARGE INTO THE PUBLIC SEWER NETWORK. ANY NEED FOR LAND DRAINAGE SHOULD BE ASSESSED BY THE GROUND WORKER AND LANDSCAPER DURING CONSTRUCTION AND PLACEMENT OF GARDENS ON AN INDIVIDUAL PLOT BASIS. IF LAND DRAINAGE DESIGNS ARE REQUIRED, THEY SHOULD BE APPOINTED PRIOR TO PLOT COMPLETION.
6. THE CONTRACTOR IS EXPECTED TO CROSS CHECK ALL DRAINAGE INVERTS PRIOR TO COMMENCING WORK. THIS MAY INVOLVE COMPLETION OF TRIAL HOLES IF INVERT LEVELS HAVE BEEN INTERPOLATED.
7. THE CONTRACTOR MUST MONITOR THE "AS BUILT PROGRESS OF EACH CONSTRUCTION STAGE (ROADS/SEWERS/ETC), TO ENABLE THE NEXT STAGES OF CONSTRUCTION TO BE CHECKED BEFORE INSTALLATION.
8. ALL WORKS TO BE UNDERTAKEN IN COMPLIANCE WITH BS 8000 WORKMANSHIP ON BUILDING SITES

HIGHWAYS

1. ALL HIGHWAY WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE DESIGN MANUAL FOR ROADS AND BRIDGES (DMRB), THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS, SPECIFICATION FOR HIGHWAY WORKS (MCHW SHW) AND THE CURRENT LOCAL AUTHORITY HIGHWAY DESIGN GUIDE.
2. ALL EXCAVATIONS WITHIN PROPOSED AND EXISTING HIGHWAYS TO BE BACKFILLED WITH GRANULAR TYPE 1 SUB-BASE AND WELL COMPACTED IN LAYERS NOT EXCEEDING 150MM, UNLESS OTHERWISE AGREED.
3. HIGHWAY AUTHORITY TO BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORKS.
4. ALL STATUTORY CONSENTS OPENING NOTICES ETC. AS REQUIRED UNDER THE HIGHWAYS ACT ARE TO BE OBTAINED BY THE CONTRACTOR.
5. POSITION, SIZE AND DEPTH OF ALL EXISTING SEWERS AND SERVICES SHALL BE ESTABLISHED BY MAIN CONTRACTOR PRIOR TO COMMENCEMENT ON SITE.
6. THE CONTRACTOR SHALL ALLOW FOR THE PROTECTION, TEMPORARY AND PERMANENT SUPPORT, AND TEMPORARY AND PERMANENT DIVERSION WORKS, AS NECESSARY TO ALL EXISTING SERVICES.
7. THE CONTRACTOR SHALL ALLOW FOR KEEPING SEWER TRENCHES AND EXCAVATIONS AS DRY AS PRACTICABLE BY PUMPING FROM TEMPORARY SUMPS AND DEWATERING AS APPROPRIATE.
8. ALL PRECAST CONCRETE KERBS, EDGINGS AND QUADRANTS SHALL CONFIRM TO BS EN 1340 AND SHALL BE LAID AND BEDDED IN ACCORDANCE WITH BS 7533-6 AND BS 8500-2.
9. ANY DIFFERENCES IN KERB UPSTAND AT THE TIE-IN BETWEEN PROPOSED AND EXISTING ARE TO BE TAKEN OUT OVER 3m TRANSITION LENGTHS AND UPSTANDS AT THIS POINT ARE TO MATCH
10. EXISTING CARRIAGEWAY TO BE SAW CUT TO ACCEPT NEW KERB. ANY VOID BETWEEN KERB FACE AND EXISTING PAVEMENT TO BE FILLED WITH BITUMINOUS SEALANT.
11. KERB BED AND BACKING SHALL BE A MINIMUM OF 150MM THICK, NOTING THAT THE KERB BED THICKNESS INCLUDES THE THICKNESS OF THE MORTAR BED.
12. 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 8501-1 & 2, BS EN 206-1 MCHW SHW CL. 1101 & 2602.
13. DUE TO THE WEIGHT OF STANDARD KERB UNITS, FULL CONSIDERATION MUST BE GIVEN BY THE CONTRACTOR TO USE OF ALTERNATIVE METHODS OF LAYING INCLUDING USE OF SHORT LENGTH UNITS OR MECHANISED KERB HANDLING AND LAYING EQUIPMENT.
14. THE CONTRACTOR MUST ENSURE COMPLIANCE WITH HEALTH AND SAFETY REQUIREMENTS 'MANUAL HANDLING OPERATIONS REGULATIONS 1992 (REF: HSE L23, REPRINTED 1999)'.
15. KERBS OF LESS THAN 300MM IN LENGTH SHALL NOT BE INCORPORATED INTO THE WORKS.

EXISTING SERVICES

1. ANY EXISTING SERVICES WHICH MAY BE AFFECTED BY THE PROPOSED WORKS SHOULD BE LOCATED BY MEANS OF A HAND DIG IN CLOSE LIAISON WITH THE STATUTORY SERVICE AUTHORITIES. THE CONTRACTOR SHALL INFORM THE DEVELOPER OF ANY SERVICES THAT MAY AFFECT THE PROPOSED DESIGN.
2. CONTRACTOR TO NOTIFY STATUTORY SERVICE AUTHORITIES PRIOR TO COMMENCEMENT OF WORK.

AS CONSTRUCTED INFORMATION

1. REFER TO GENERAL NOTE 8 ABOVE. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE THE FOLLOWING AS CONSTRUCTED DRAWINGS TO THE DEVELOPER UPON THE COMPLETION OF THE WORKS COVERED BY THE CONTRACT:
3. POSITIONCO-ORDINATES OF ALL ADOPTABLE MANHOLES.
4. INVERT AND COVER LEVELS OF ALL ADOPTABLE MANHOLES.
5. NEW GULLY POSITIONS AND CONNECTIONS.
6. POSITION AND DEPTH OF SERVICE DUCTS FOR WATER, GAS, ELECTRIC, BT, CABLE AND STREET LIGHTING, STATING SIZE AND NUMBER OF DUCTS.

KEY

HB2	125 x 255 HALF BATTERED KERB 100mm FACE
BN 3	125 x 150 BULLNOSE KERB 25mm FACE
DK	125 x 150 BULLNOSE KERB 6mm FACE
CS 2	125 x 150 CHANNEL BLOCK
	125 x 150 CHANNEL BLOCK / KERB
	400 x 400 x 65 BUFF BLISTER PAVING

LOCAL RESIDENTIAL STREET
SURFACE COURSE 30mm AC10 CLOSE SURF
BINDER COURSE 60mm AC20 DENSE BIN
BASE COURSE 85mm AC32 DENSE BASE

FOOTPATH
SURFACE COURSE 20mm AC6 DENSE SURF
BINDER COURSE 45mm AC20 DENSE BIN

DRIVE CROSSING
SURFACE COURSE 20mm AC6 DENSE SURF
BINDER COURSE 60mm AC20 DENSE BIN

PAVED MARGIN
SURFACE COURSE 80mm BLOCKS (BRINDLE)
LAYING COURSE 30mm SAND
BASE COURSE 150mm ST5 CONCRETE

VERGE
450mm TOPSOIL 5A OR 5B TO CL 618

VISITOR PARKING

RAMP

REFER TO CONSTRUCTION DETAILS FOR FURTHER SPECIFICATIONS

REFER TO DETAILS FOR THE POSITION OF TRANSITION KERBS

POSITION OF ALL KERBING AND TACTILE PAVING TO BE AGREED WITH AUTHORITY ENGINEER

Rev	Date	Revision Details	Drawn	Checked
B	21.04.23	UPDATED TO APPROVED PLANNING LAYOUT	JP	ND
A	22.02.23	KERB NOTES UPDATED DUE TO LAYOUT CHANGE	JP	ND
–	18.02.22	FIRST ISSUE	ND	ND

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Title
HIGHWAY CONSTRUCTION LAYOUT
SHEET 2

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