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General Notes:

- 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 the engineer prior to completion of 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).
- 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.
- House type working drawings are to be used in conjunction with the plot setting out drawing.
- 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.
- The Contractor is expected to prepare appropriate construction method statements for all aspects of appointed work. This should include any temporary protection works.
- 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.
- The Contractor is expected to cross check all drainage inverts prior to commencing work, this may involve completion of trial holes if inverts have been interpolated.
- The Contractor must monitor the 'as built' progress of each construction stage (roads/sewers/plot works/ etc) to enable the next stages of construction to be checked before installation. For this reason the design of, floor levels, external works, retaining walls, and plot drainage are to be read as guidance only.

Highways

- 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.
- All excavations below proposed and existing highways to be back-filled with granular type 1 sub-base and well compacted in layers not exceeding 150mm, unless otherwise agreed.
- Highway authority to be notified by the Contractor prior to the commencement of works.
- All statutory consents opening notices etc. as required under the Highways act are to be obtained by the Contractor.
- Position, size and depth of all existing sewers and services shall be established by main Contractor prior to commencement on site.
- The Contractor shall allow for the protection, temporary and permanent support, and temporary and permanent diversion works, as necessary to all existing services.
- The Contractor shall allow for keeping sewer trenches and excavations as dry as practicable by pumping from temporary sumps and dewatering as appropriate.
- Refer to drawing sheet number QD1776-0705-11 for road pavement details, 0700-21 and Yorkshire Highways Standard Details 2022 to 2027 for construction details.
- Refer to drawing sheet number QD1776-1100-11 for kerbs, footways, cycleways and paved areas details.
- Refer to drawing sheet number QD1776-1200-11 for traffic sign face, post, base and road marking details.
- Lighting and electrical design by others. Refer to Kirklees Council drawing no. 5061852/8788 for details.

Existing Services

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 located which may affect the proposed design. Contractor to notify statutory service authorities prior to commencement of work.

As Constructed Information

Refer to General Note 8 above. It is the Contractor's responsibility to provide the following as constructed drawings to the developer upon the completion of the works covered by the contract:

- Position/coordinates of all adoptable manholes.
- Invert and cover levels of all adoptable manholes.
- New gully positions and connections.
- Position and depth of service ducts for water, gas, electric, BT, cable and street lighting, stating size and number of ducts.

Key:

- Proposed carriageway major contour (0.5m interval)
- Proposed carriageway minor contour (0.1m interval)
- Proposed carriageway surface fall
- 99.999 Proposed carriageway channel level
- 99.99 Proposed back-of-footway level
- Proposed driver visibility splay
- Proposed pedestrian visibility splay
- Existing lighting column to remain
- Indicative proposed 6.8m height column, positioned in adopted highway. Design by others, see Highways Note 11.
- Section 278/38 demarcation
- Extent of works

SAFETY HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, ALL CLIENTS/CONSULTANTS AND CONTRACTORS SHOULD REFER TO THE FOLLOWING RISKS AND INFORMATION PRIOR AND DURING CONSTRUCTION OPERATIONS:

NONE

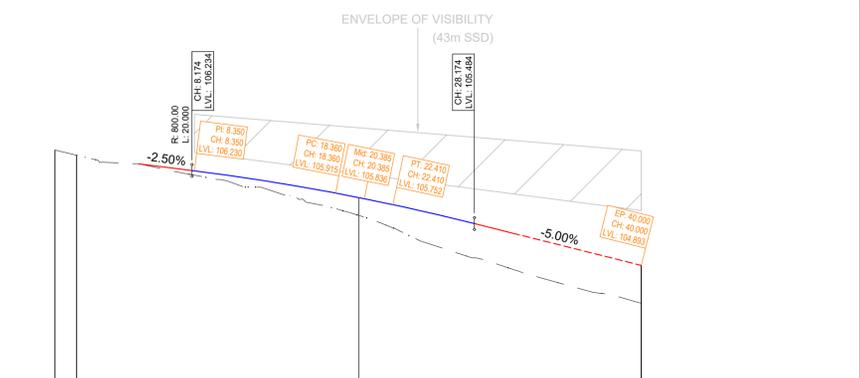
HAZARD WARNING INDICATIVE LOCATION MARKER SYMBOL

THE CONTRACTOR MUST REFER TO THE SUPPLIED UNDERGROUND MAPPING SURVEYS/CONSTRAINTS PLANS/STATUTORY UNDERTAKERS' APPARATUS RECORDS AND GEOTECHNICAL INFORMATION PRIOR TO ANY CONSTRUCTION WORKS

FOR INFORMATION RELATING TO DEMOLITION, USE, CLEANING AND MAINTENANCE; SEE THE HEALTH AND SAFETY FILE

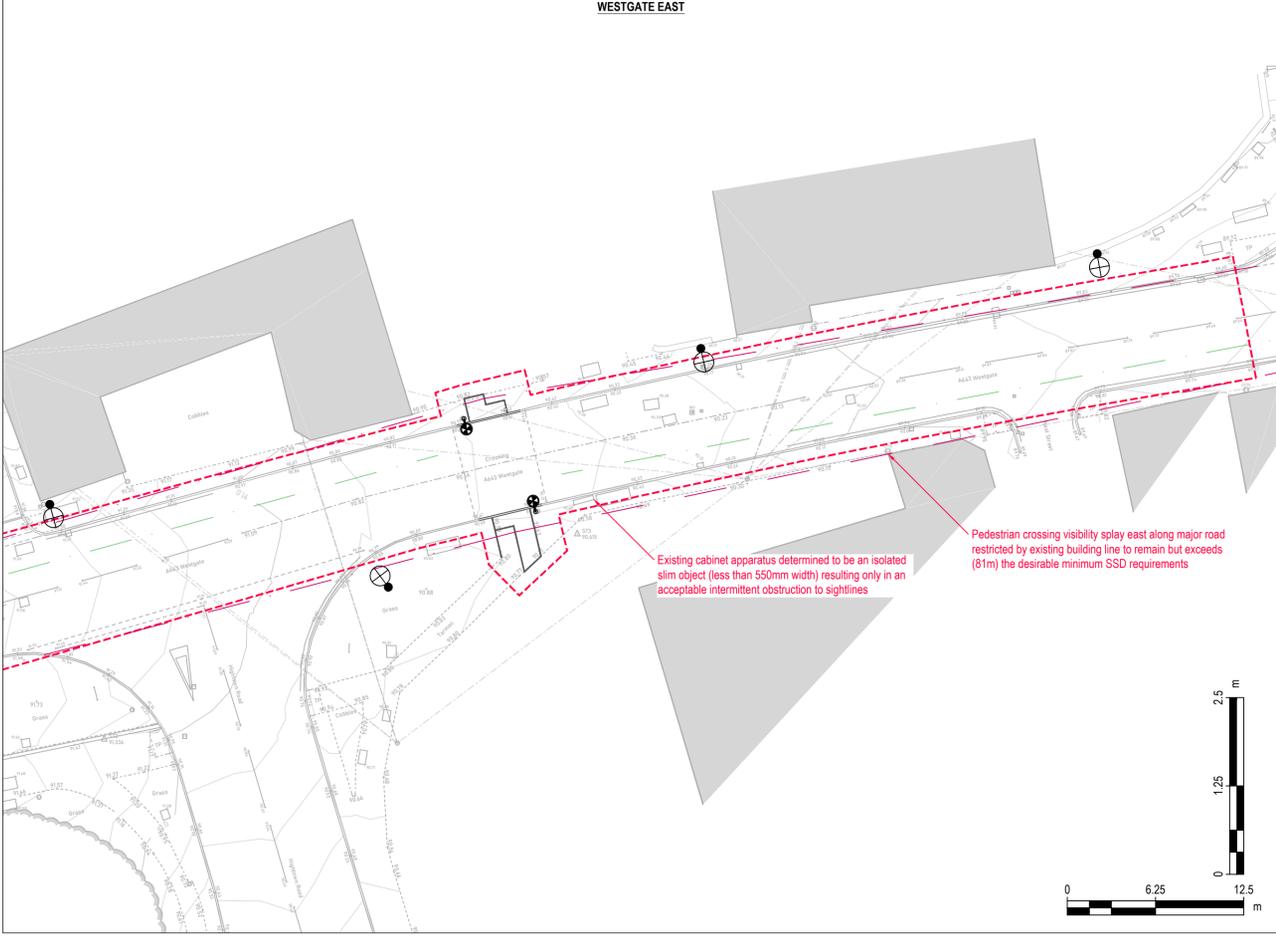
RISKS LISTED HERE ARE NOT EXHAUSTIVE. REFER TO DESIGNERS RISK ASSESSMENT FOR FULL DETAILS

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT



MA1C
DATUM = 102.0m AOD

Proposed Levels	Existing Levels	Level Difference	Horizontal Geometry	Vertical Geometry	Superelevation	Chainage
104.893	104.357	0.536	L=17.590	G=-5.000% L=11.826	LL -2.5% 18.360 RL -2.5%	20.000
105.851	105.599	0.252	R: 20.000 L: 4.051	R=800.000 K=8.000 L=20.000	LL -2.5% 18.360 RL -2.5%	01.652
106.524	106.451	0.073	L=10.010	G=-2.500% L=3.772	LL -2.5% 18.360 RL -2.5%	00.000
107.200	107.127	0.073	L=8.318	G=-2.500% L=3.772	LL -2.5% 18.360 RL -2.5%	00.000
108.350	108.350	0.000	L=8.350	G=-2.500% L=3.772	LL -2.5% 18.360 RL -2.5%	00.000
109.524	109.524	0.000	L=8.350	G=-2.500% L=3.772	LL -2.5% 18.360 RL -2.5%	00.000
110.724	110.724	0.000	L=8.350	G=-2.500% L=3.772	LL -2.5% 18.360 RL -2.5%	00.000
120.000	120.000	0.000	L=8.350	G=-2.500% L=3.772	LL -2.5% 18.360 RL -2.5%	01.652



REFER TO SECTION 38 DRAWINGS FOR CONNECTED ESTATE DETAILS

Existing lighting column to be repositioned to back of proposed footway

Existing cabinet apparatus determined to be an isolated slim object (less than 550mm width) resulting only in an acceptable intermittent obstruction to sightlines

Pedestrian crossing visibility splay east along major road restricted by existing building line to remain but exceeds (81m) the desirable minimum SSD requirements

LOCALITY PLAN

REVISIONS

Rev	Date	Revision Details	Drawn	Checked
E	30.01.2025	MODIFIED TO REFLECT DESIGN DEVELOPMENT.	MK	ND
D	17.05.2024	MODIFIED FOLLOWING KC COMMENTS.	MK	ND
C	11.03.2024	MODIFIED FOLLOWING KC COMMENTS.	MK	ND
B	08.02.2023	FOR KC DESIGN REVIEW.	MK	ND
A	20.08.2023	REVISED FOLLOWING CLIENT COMMENT.	MK	ND
-	18.09.2023	NETAL ISSUE DRAFT FOR CLIENT COMMENT AND TENDER.	MK	ND

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Project: Westgate Cleckheaton

Title: Section 278 Engineering Layout

Drawn: MK ND Date: SEPTEMBER 2023

Drawing Number: QD1776-03-11

Drawing Status: PRELIMINARY Scale: H=1:250 V=1:500 (@ A1)