

CONCRETE CONDITIONS:
Concrete mix design differs between the North and South of the Site. Below are the 2 specifications for each area

NORTH-DESIGN SULPHATE CLASS = DS-1
ACEC CLASS = AC-1
GEN 3 CONCRETE SPECIFICATION TO BE ADEQUATE.

SOUTH: DESIGN SULPHATE CLASS = DS-2
ACEC CLASS = AC-2.

PLEASE SEE GEOENVIRONMENTAL REPORTS FOR FULL RECOMMENDATIONS. ALL DRAINAGE PRODUCTIONS TO BE SURROUNDED IN CLEAN MATERIAL.

ADDITIONAL SUPPORT MAY BE REQUIRED TO DRAINAGE AND OR ROADS IN AREAS OF POOR GROUND CONDITIONS TO BE AGREED WITH GEOTECHNICAL ENGINEERS, HIGHWAY AUTHORITY AND SEVERN TRENT WATER PRIOR TO INSTALLATION.

Notes

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1. Any existing details which are shown on this drawing are for guidance only and are to be checked on site by the contractor. Any variations are to be recorded and reported to the engineer immediately.
2. Design is subject to Building Regulation,Sewage Undertaker and Highways Department approval.
3. Before work commences contractor should consult the engineer and the SI report regarding any contamination issues. All necessary Health and Safety measures to be taken.
4. All substrata structures and unconsolidated material, within the construction width of the highway, are to be removed
5. Cover levels for manholes are approximate only and should be adjusted to match surrounding levels
6. The developer shall take CBR test of road formation levels and results to be made available to the Engineer for approval.
7. Approved weedkiller to be applied as recommended to footway formation and sub-base. Application by trained operative wearing PPE and complying with COSHH requirements.
8. Any soft spots discovered after proof rolling shall be removed and replaced with suitable engineering fill.
9. The surface tolerances to the sub base layer thickness should be no more than + 5mm or -30mm.
10. New road levels to tie in smoothly with existing road. Levels to be confirmed prior to construction and reported to the Engineer.
11. Tarmac road construction to comply with BS.EN 130108
12. Threshold drainage is required where levels fall towards a building entrance. Architect to confirm if not required.
13. Yard Gully positions are indicative and should be adjusted on site to suit proposed levels.
14. All gully positions to suit low points and to be trapped.
15. Drainage channel detailed design to be undertaken by manufactures. Alternative channels may be used, subject to Engineers approval

NOTE
Preliminary scheme only for comment & review. Based upon information provided / available at the time. Scheme will be subject to full review and amendment as further information becomes available.
Scheme will be subject to amendment following receipt of comments from the Development Control, LA Planning Authority, Environment Agency, LA Highways department and the Sewerage Undertaker.
Following receipt of further information and comments the scheme may require a re-design.

KEY

- × 154.000 - Existing Levels
- +155.000 - Proposed Levels
- FFL 155.00 - Finished Floor Level
- RF - Frontage Brick wall Retaining
- RF - 0-600mm Gravel Boards
- RF - 650mm+ Retaining wall (Refer to Bellway Standard Detail)
- RF - Sheet Piling Retaining Rootlok or similar system to face
- RF - Sheet Piling Retaining without Rootlok or similar system to face
- Tanking
- Exposed Brickwork
- Double DPC

Where retaining features are required at the centre of a driveway between two plots the Architect should ensure there is still sufficient space provided between the house and retaining wall for a parked vehicle be accessed appropriately

REV	DATE	AMENDMENT	BY
G	23.03.20	1m Verge Road 1 removed at request of Bellway on 20.03.20. retaining revised. Layout revised to Replan 3000E	DGW
F	17.03.20	Revised to Bellway Layout 3000 received 13.03.20	DGW
E	17.02.20	Revised to Bellway Layout Rev Y received 14.02.20	DGW
D	24.01.20	Revised to Bellway Layout Rev X received 22.01.20	DGW
C	03.01.20	Revised to FPCR comments dated 18.12.19	DGW
B	24.10.19	Revised to incorporate S7/S38 design	DGW
A	18.10.19	Layout revised to 1000S, levels revised to suit and to full design.	DGW

M&H
MUCKLOW & HARRIS
CONSULTING CIVIL & STRUCTURAL ENGINEERS

DRAWING STATUS: PRELIMINARY

CLIENT: Bellway

PROJECT: Oakamoor Road Cheadle

TITLE: External Levels (Sheet 1 of 2)

DATE	DRAWN
16.09.19	DGW

SCALE	SIZE	CHECKED
1:250	A0	AM

DRAWING NUMBER	REVISION
18155-200	G