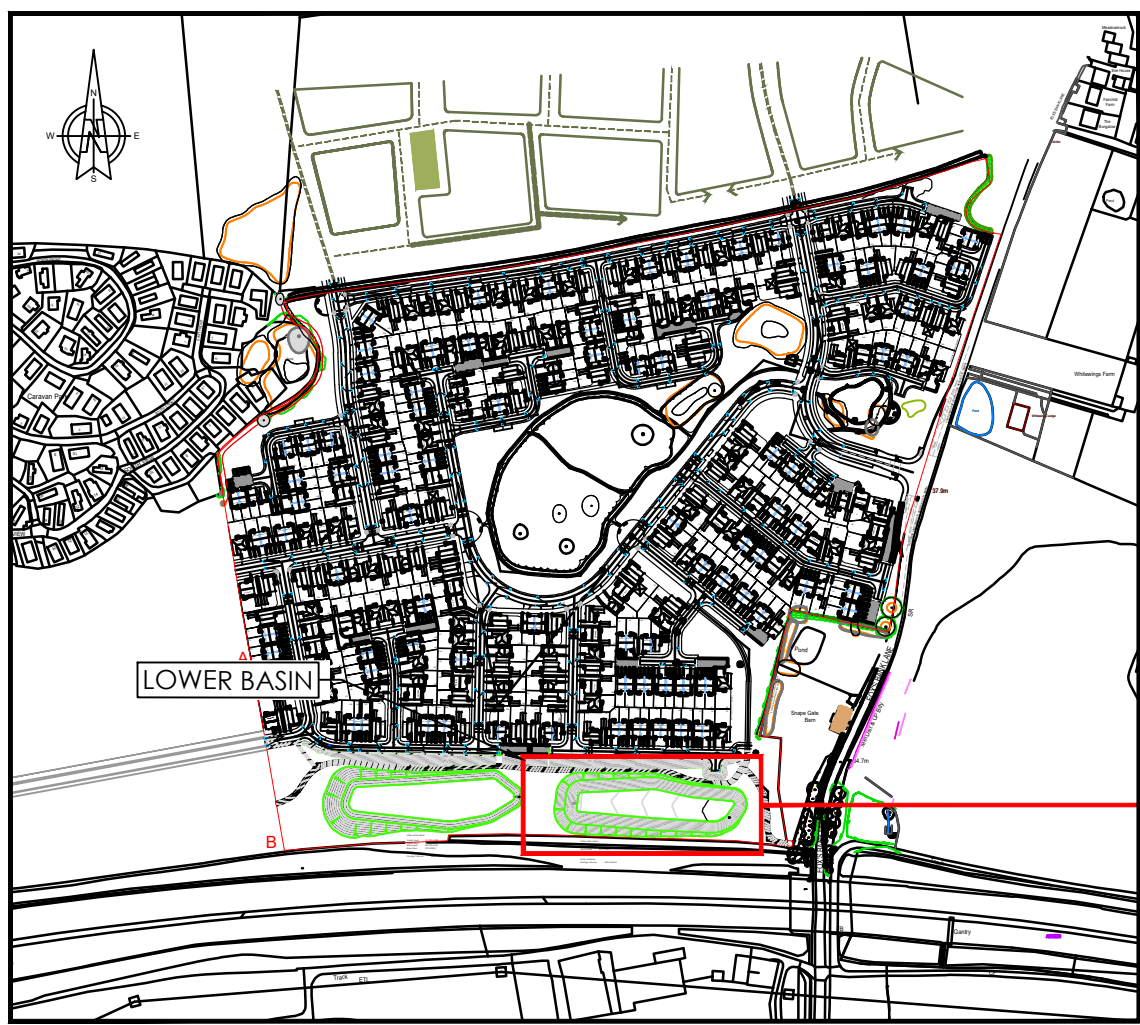
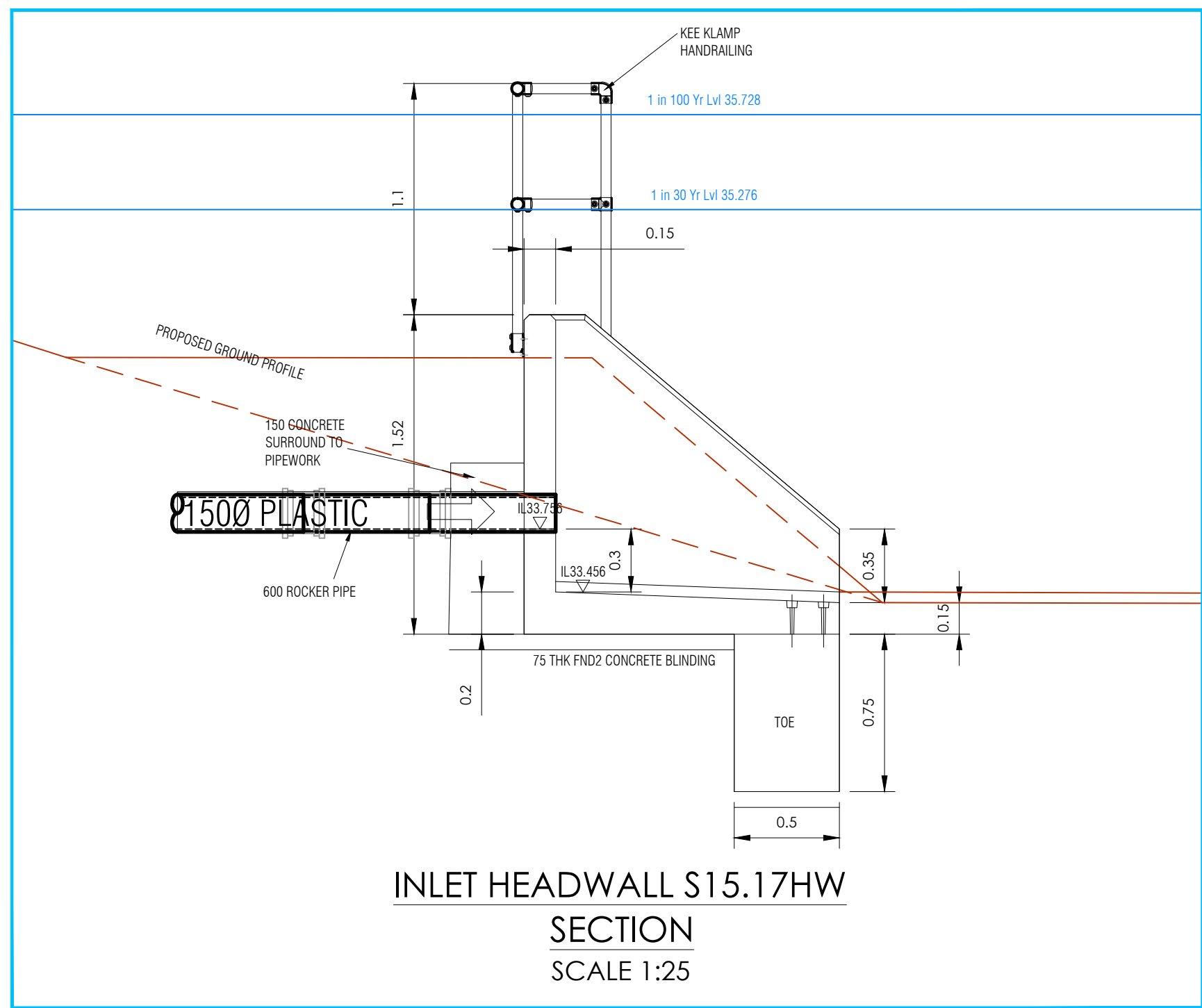
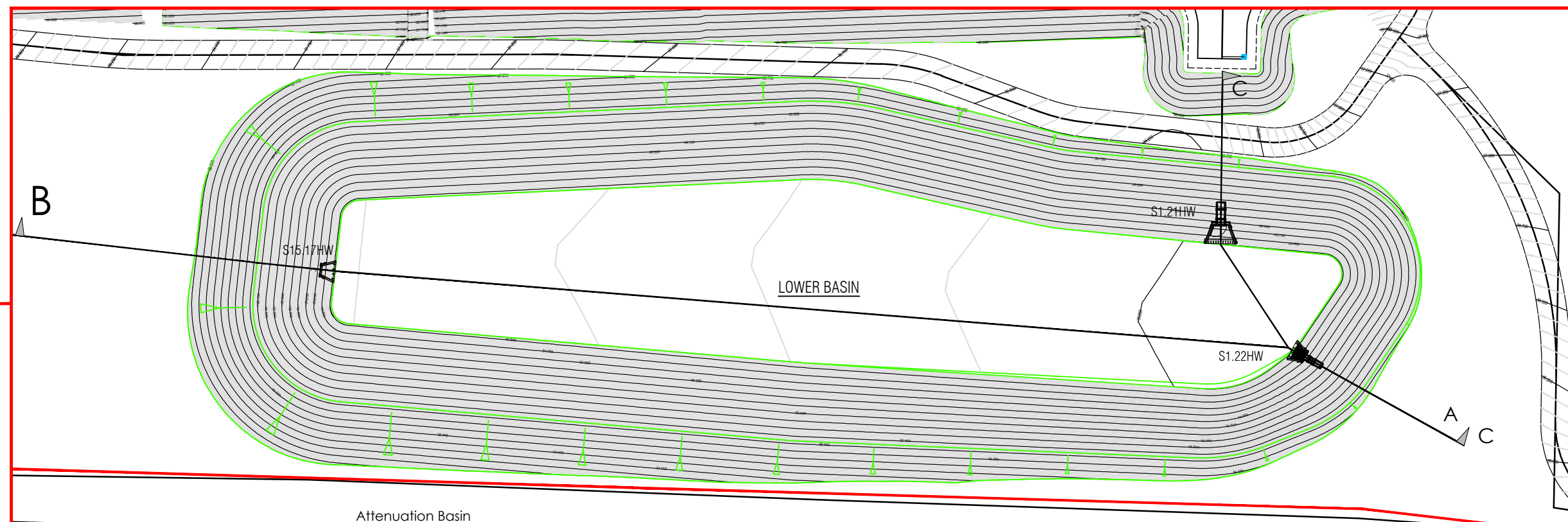


UPPER BASIN CROSS SECTION AA
SCALE 1:500

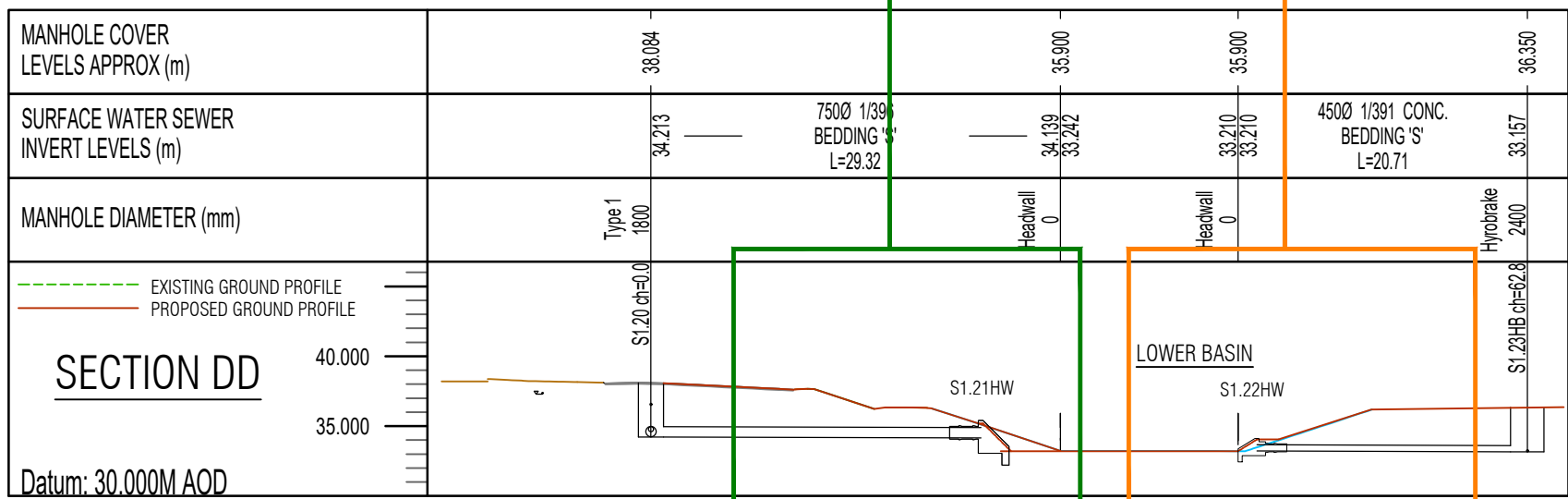
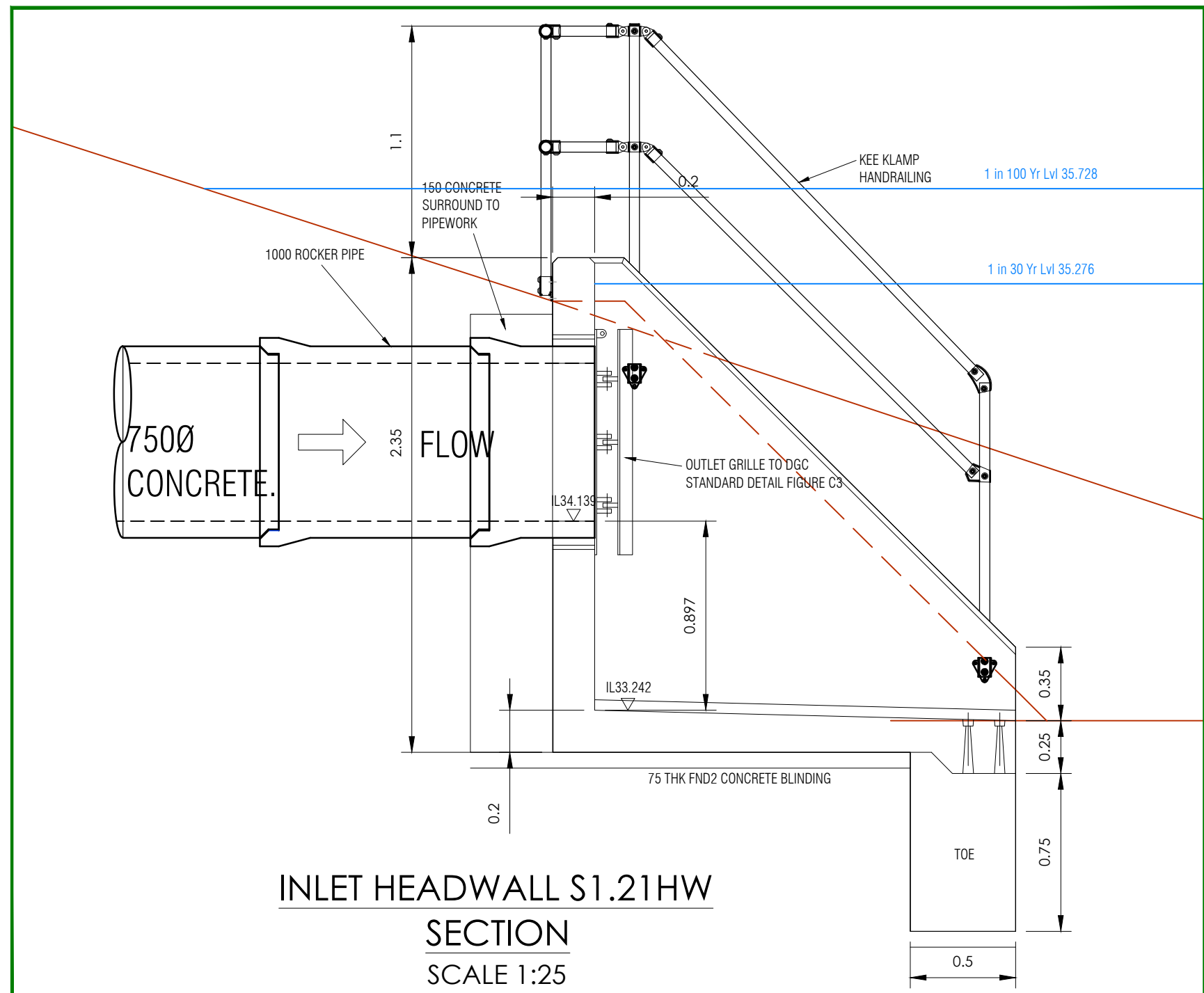
LOWER BASIN CROSS SECTION AA
SCALE 1:500



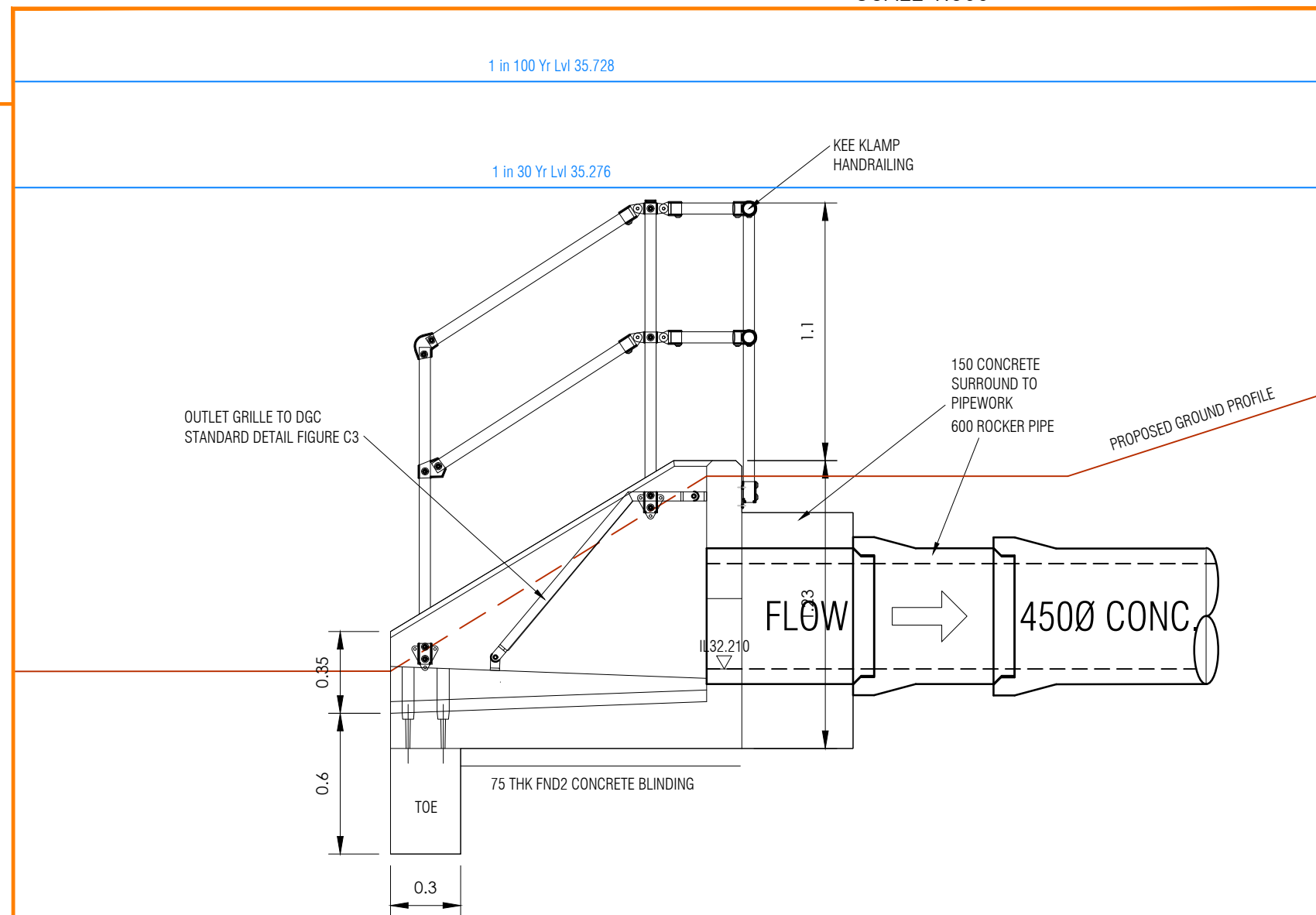
LOCATION PLAN
SCALE 1:5000



PLAN ON UPPER BASIN
SCALE 1:500



LOWER BASIN CROSS SECTION DD
SCALE 1:500



OUTLET HEADWALL S1.22HW
SECTION
SCALE 1:25

NOTE
DETAILS ON THIS DRAWING ARE SUBJECT
TECHNICAL APPROVALS

NOTES

- These 1:20 Manhole Construction Details are for construction purposes ONLY when approval has been obtained from the Statutory Undertaker.
- The co-ordinates indicated on these 1:20 Manhole Construction Details relate to the proposed centre of the manhole and not to the pipe intersection; please refer to the Manhole Schedules should this information be required. Please note that the Manhole Schedules are for guidance and information purposes only and NOT to be used for pricing, ordering or construction.
- Should any discrepancies be identified between the 1:20 Manholes Construction Details and the Manhole Schedules these should be reported to both the Developer's Engineer and Betts Associates prior to any construction taking place.
- Should any discrepancies be identified between the Main Drainage Layout and the Domestic Drainage Layout these should be reported to both the Developer's Engineer and Betts Associates prior to any construction taking place.
- All manholes and main drainage to be constructed in accordance with the Standard United Utilities Details listed below:-
 - STND 19 001
 - STND 19 002
 - STND 19 003
 - STND 19 004
 - STND 19 005
 - STND 19 007
 - STND 19 008
 - STND 19 009
 - STND 19 010
 - STND 19 011
 - STND 19 012
- All 1350mm Ø chamber rings to be 'Kitemarked'
- Rocker Pipes are required at all inlet and outlet pipes to adoptable manholes, for rocker pipe length's refer to United Utilities variable feature drawing STND/19/010
- Concrete surround is required to manhole chamber rings unless otherwise proved
- All manhole lateral connections are to be made at soffit level to the main channel

F	13.05.22	Berm and low flow channel removed	NR
E	28.01.22	Amended as per UI comments	NR
D	27.10.21	Amended as per UI comments	NR
C	13.07.21	30 and 100 year water levels added	GW
B	03.07.21	Amended to suit revised layout	GW
A	09.04.21	First issue for client comment	GW

Mark | Date | Details | By

Revision History

Drawing originator:



Client:

Taylor Wimpey

Project title:

Halshead Garden Centre
Whiston, Phase 1

Drawing title:

Manhole 1:20 Details
Lower BASIN Details
Headwalls S1.21, S1.22 and S15.17

Scale: As Shown for the original size of A1

Drawn by: CP | Checked by: GW | Passed by: JC | Date: Mar 2021

Drawing status: Preliminary

Job No: Drawing No: Project: Origin: Volume: Level: Type: Discp: Number: Revision:

TAY90 | BET | | | | | C | 1069 | F

Do not scale this drawing

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Checker: 01244 288178 | Approver: 01244 401533