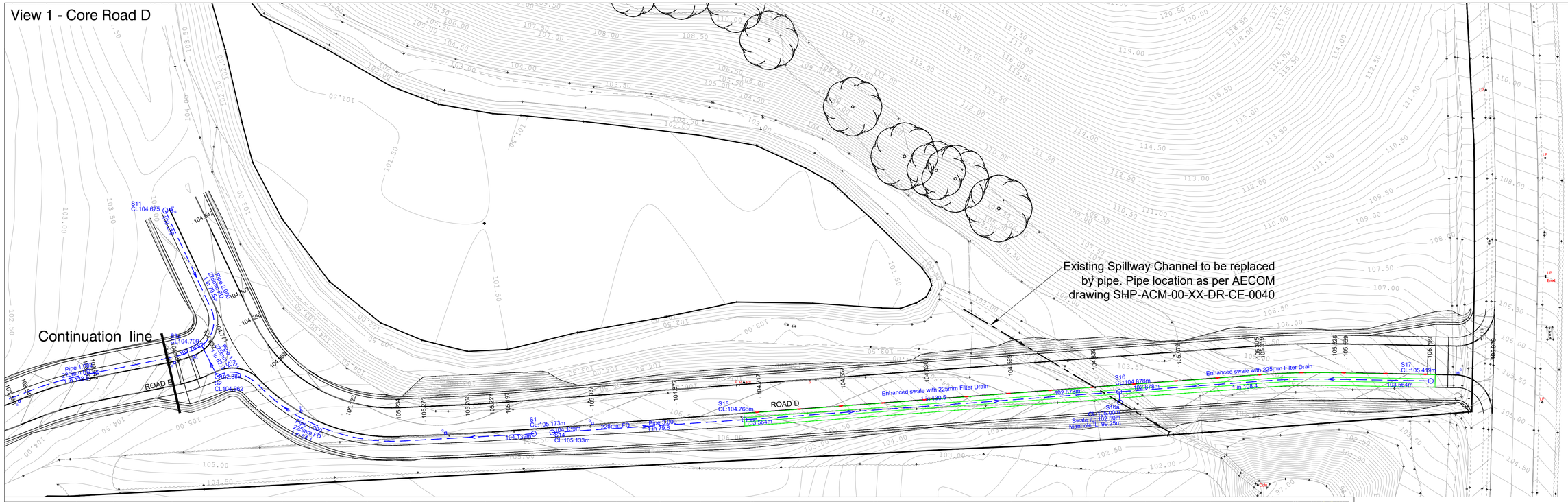
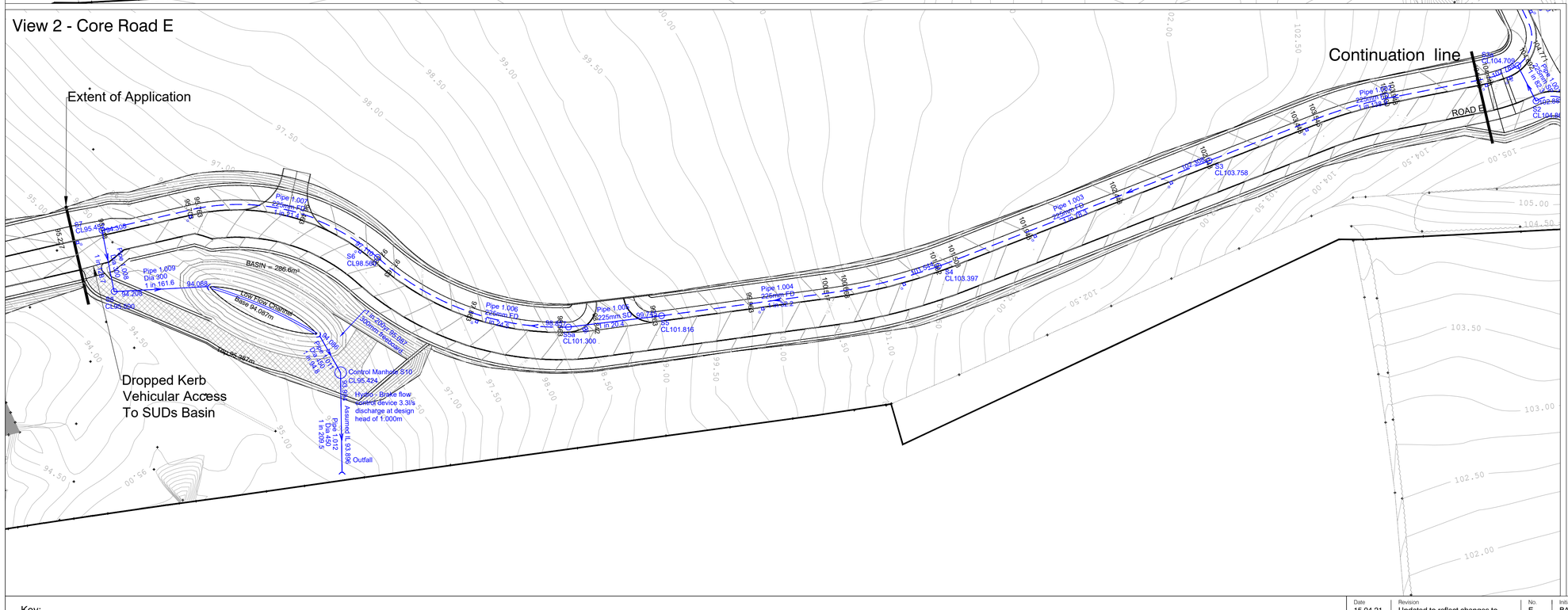
View 1 - Core Road D



View 2 - Core Road E



General Notes

1. All dimensions in metres unless otherwise stated.
2. All Levels relate to Ordnance Datum
3. This drawing to be read in conjunction with all relevant engineering details, drawings and specifications.
4. It is the responsibility of the Contractor to verify information given with regards to existing services and drainage connections etc. prior to commencing the works.
5. Any discrepancies to be reported to the Engineer immediately so that clarification can be sought prior to commencement of work.
6. The Contractor shall maintain records of any variations made on site such that as-built drawings can be made upon completion of the project.
7. Position and distances should not be scaled from this drawing.

Drainage Notes

1. All surface water drainage, including SUD systems, shall be constructed, inspected and tested in accordance with Sewers for Scotland 4th Edition standards.
2. All surface water main drainage pipes & fittings to be uPVC. Pipes up to 450mm to be smooth walled uPVC, 450mm to 600mm to be thermoplastic structured wall pipe. uPVC pipes to be in terracotta colour.
3. All pipes above 600mm to be pre-cast concrete, structurally reinforced polyethylene or engineered thermoplastic pipes. The Contractor must obtain approval for the actual manufacturer/specification chosen from Scottish Water prior to commencing laying.
4. All gully tails to be 150mmØ and to receive 150mm grade C20 concrete surround.
5. All gully tails and tails from disconnecting manholes to main sewers to be 150mm uPVC pipes.
6. All materials to bear the relevant B.S.I. Kitemark and comply fully with the specifications. All concrete & concrete products must use Sulphate Resistant Cement (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur) to withstand a class 3 condition.
7. All pipe connections to be soffit to soffit unless stated otherwise.
8. The outside face of all sewers shall be a minimum of 1.0m from kerb lines and the outside of manholes shall be a minimum of 0.5m from kerb lines.
9. Should any existing ground water/field drains be encountered during the construction works, the Contractor must seek approval of the removal/remedial works from Engineer prior to works continuing on site.
10. Client proceeds at their own risk should all appropriate approvals not be in place in advance of construction.
11. The Contractor shall adhere to the CDM Regulations 2015 at all times.
12. The use of perfect manhole or similar precast base units shall be precluded without the express consent of the Engineer.
13. Watercourses, sewers and land drains shall remain unobstructed at all times.
14. Back fill material shall be deposited in layers not exceeding 225 mm unconsolidated thickness, and then fully compacted to form a stable backfill in accordance with Sewers for Scotland 4th Edition clause 4.3.4.
15. Where pipes have less than 1200mm cover from crown of pipe to road surface, ensure that pipes have 150mm thick C28/35 strength class concrete surround.
16. Where rigid pipes are used, a flexible joint shall be provided as close as is feasible to the outside face of any structure into which a pipe is built within 150 mm for pipe diameters less than 300 mm. The design of the joints shall be compatible with any subsequent movement. Length of rocker pipe to be in accordance with table in Sewers for Scotland, clause 4.6.6. Stub pipes for future connections shall be of rigid material and capped.

Key:

- Filter Drain (FD) as per detail 5 on drawing 8891/407
- Solid Pipe (SP)
- Enhanced swale with 225mm Filter Drain
- AECOM pipe as per drawing SHP-ACM-00-XX-DR-CE-0040
- Gully
- Basin
- Basin access track and turning head
- Roadside swale inlet as per detail 8 on drawing 8891/407(Flush PC Square Kerb)

Date	Revision	No.	Initials
15.04.21	Updated to reflect changes to drawing 8891/518 - General Arrangement	E	BA
Date	Revision	No.	Initials
Date	Revision	No.	Initials
Date	Revision	No.	Initials

North Point

Drawn: BA
Checked by: KZ
Date: 08.12.20
Scale: 1:500
Original Size: A1

Project: Halbeath
Client: Shepherd Offshore (Scotland) Ltd
Title: Core Roads D & E Highway Drainage General Arrangement

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Drawing No.: 8891/406
Revision: E