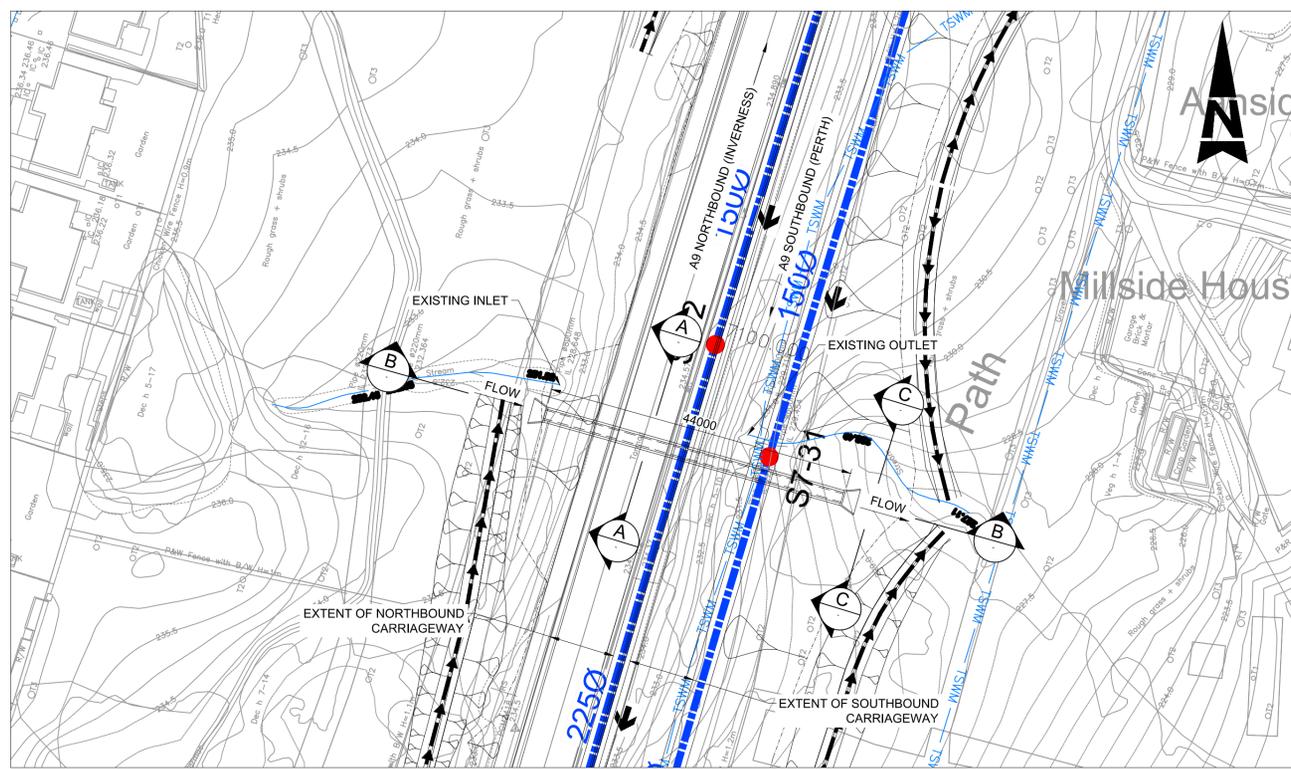
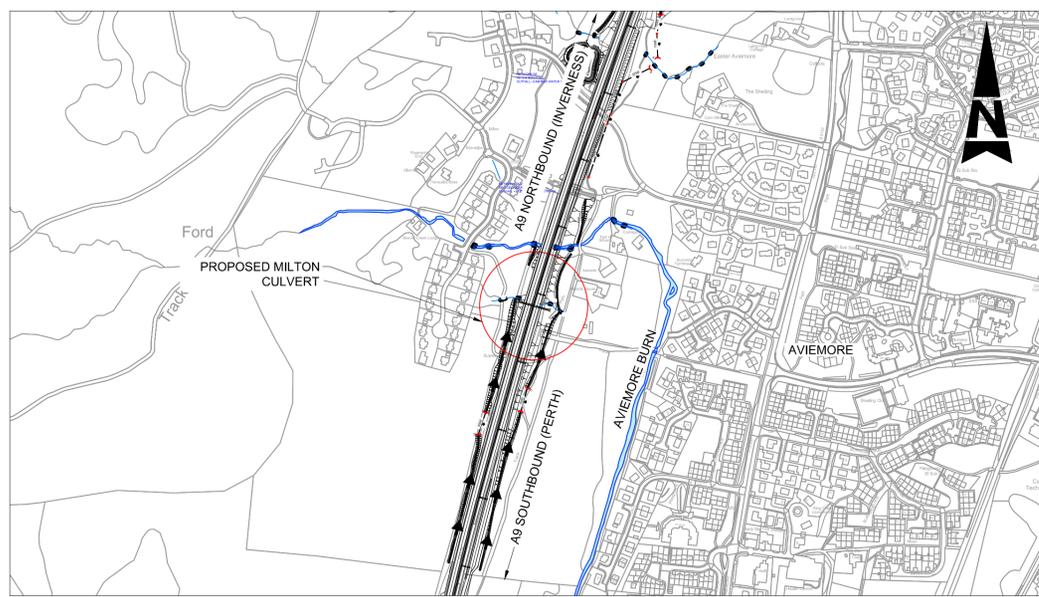


100  
10  
0  
DO NOT SCALE



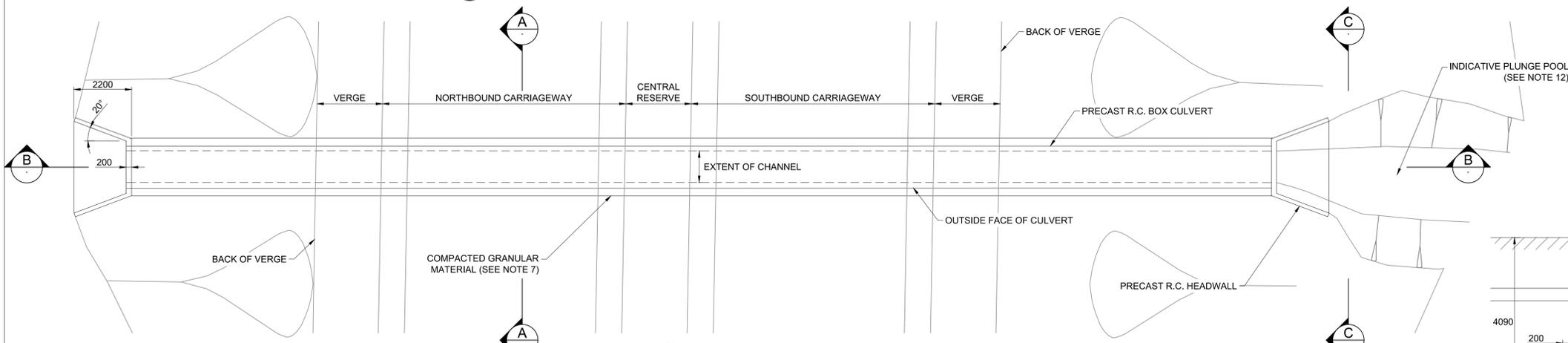
PLAN  
SCALE 1:500



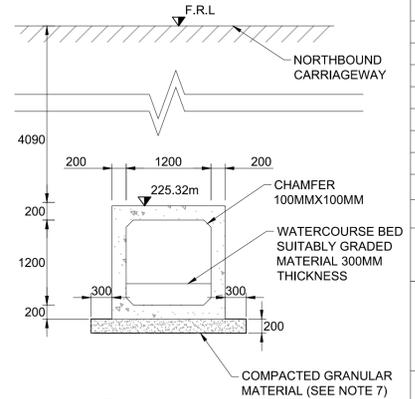
LOCATION PLAN  
SCALE 1:5000

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
  - ALL LEVELS IN METRES ABOVE ORDANCE DATUM.
  - THIS DRAWING HAS TO BE READ IN CONJUNCTION WITH STRUCTURES LOCATION PLAN, FIGURE No: X.X.
  - DIMENSIONS OF THE STRUCTURE MAY ALTER DURING FURTHER DETAILED DESIGN.
  - POSITION OF SERVICE APPARATUS IS SHOWN INDICATIVELY ONLY. EXACT POSITION OF SERVICES ARE TO BE DETERMINED ON SITE PRIOR TO WORKS COMMENCING.
  - GRADIENTS OF EARTH EMBANKMENTS SHOWN ARE NOMINAL AND SUBJECT TO VARIATION.
  - FOUNDATIONS AS SHOWN ARE INDICATIVE. FOUNDATIONS TO BE PROVIDED AS PER PRECAST CONCRETE MANUFACTURERS REQUIREMENTS.
  - ALL BACKFILL TO STRUCTURES SHALL BE CLASS 6N IN ACCORDANCE WITH SHW CLAUSE 610. TRENCHES SHALL BE BACKFILLED IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.
  - CONCRETE CLASS IN ACCORDANCE WITH BS8500 SHALL BE AS FOLLOWS:
    - BLINDING ST2
    - PRECAST CULVERT C 50/60
    - PRECAST HEADWALL C 40/50
  - PRECAST CONCRETE ELEMENTS INCLUDING CULVERT SECTIONS AND HEADWALLS SHALL HAVE FORMED CONCRETE FINISH.
  - ALL ELEMENTS OF STRUCTURE IN CONTACT WITH SOIL SHALL RECEIVE TWO COATS OF BITUMINOUS WATERPROOFING MATERIAL PRIOR TO BACKFILLING.
  - PLUNGE POOLS AS SHOWN ON DRAWING ARE INDICATIVE ONLY. SUBJECT TO VARIATION AT DETAILED DESIGN.
  - THE CULVERT IS BEING CONSTRUCTED OFFLINE TO THE WATERCOURSE.

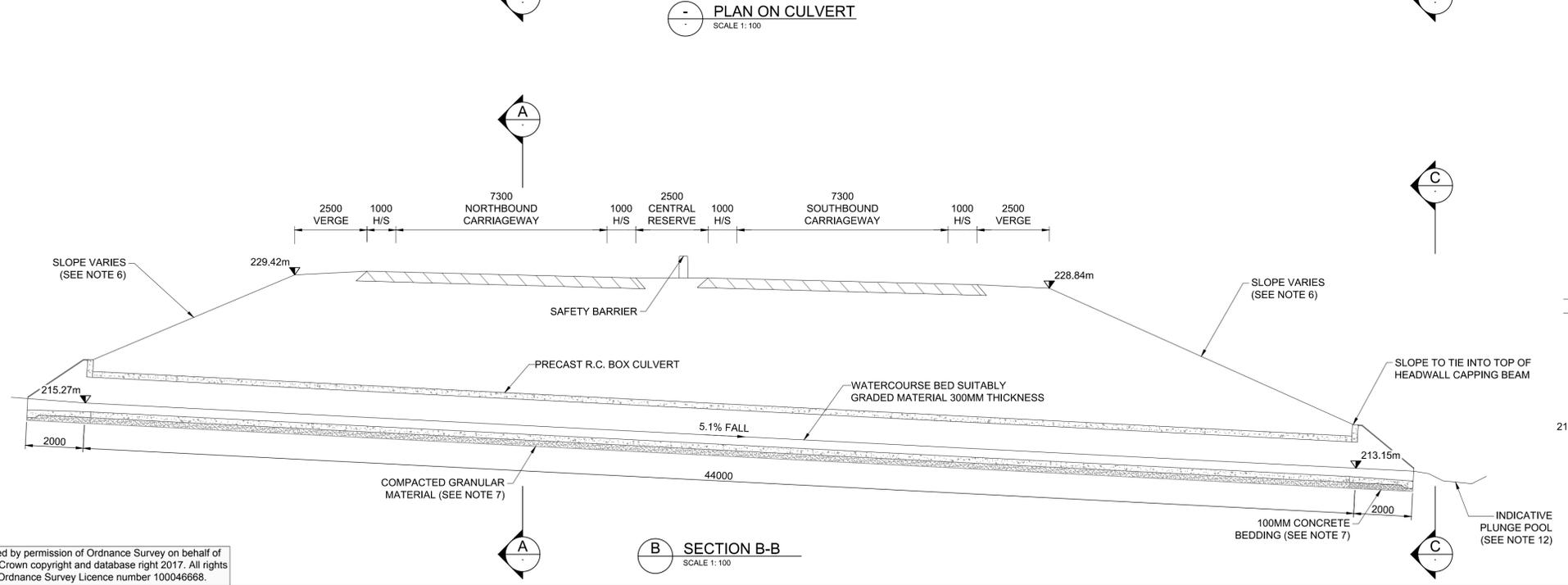
- KEY:
- EXISTING WATER COURSES & STREAMS
  - TSWM EXISTING TRUNK WATER MAIN



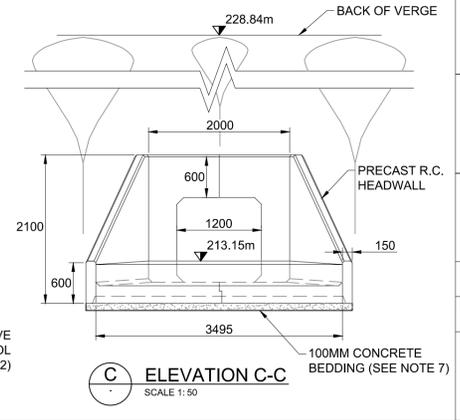
PLAN ON CULVERT  
SCALE 1:100



SECTION A-A  
SCALE 1:50



SECTION B-B  
SCALE 1:100



ELEVATION C-C  
SCALE 1:50

P01.1					---
FIRST ISSUE					
Rev	Drawn / Des	Checked	Approved	Date	
Description					
Drawing Status				FINAL	Subtability B

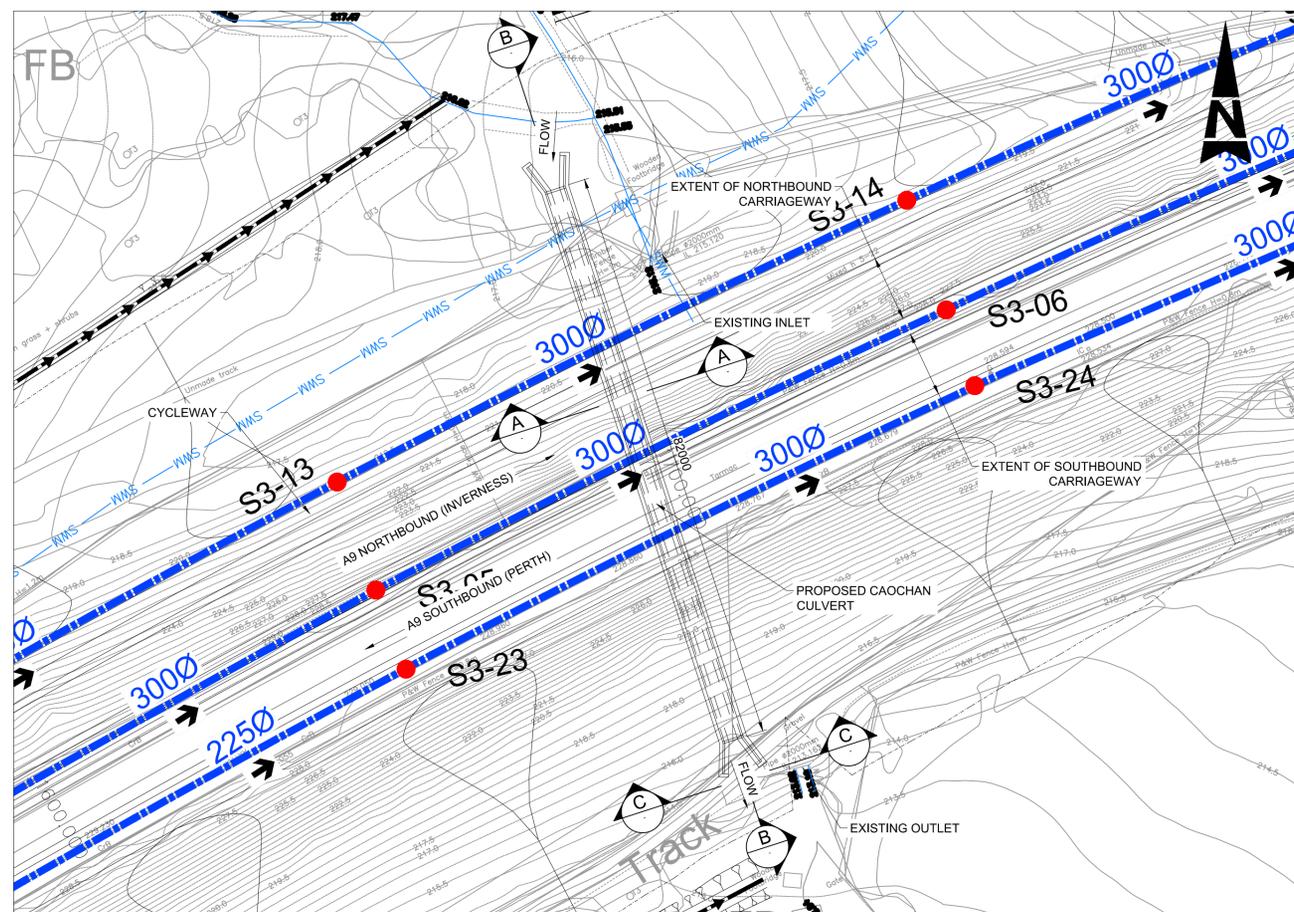


Drawing Title					
FIGURE 5.9 TYPICAL CULVERT DESIGN BOX CULVERT GENERAL ARRANGEMENT Sheet 1 of 2					
Scale	Designed / Drawn	Checked	Approved	Authorised	
AS SHOWN	DK	EF	ROB	SB	
Original Size	Date	Date	Date	Date	
A1	MAR18	MAR18	MAR18	MAR18	
Drawing Number	Project	Originator	Volume	Revision	
A9P11-AM-EJN-H_ZZZZZ_XX-DR-GI-0079				P04	
Location	Type	Role	Number		

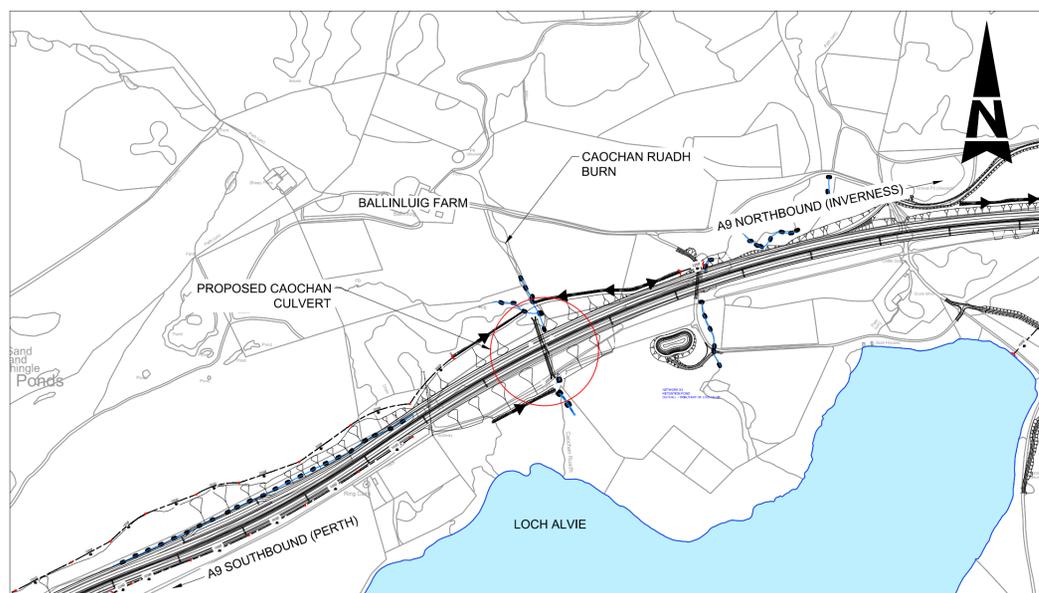
Plotfile: Mar 09, 2018 - 9:03am by: UKDJ600

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2017. All rights reserved. Ordnance Survey Licence number 100046668.

100  
10  
0  
DO NOT SCALE



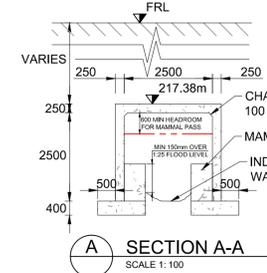
PLAN  
SCALE 1:500



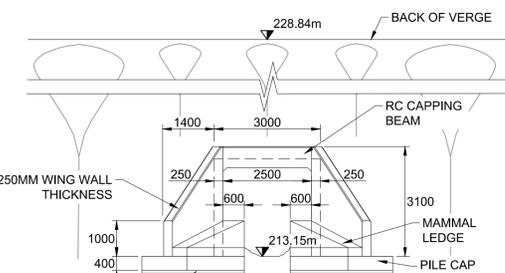
LOCATION PLAN  
SCALE 1:5000

- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
  - ALL LEVELS IN METRES ABOVE ORDNANCE DATUM.
  - THIS DRAWING HAS TO BE READ IN CONJUNCTION WITH STRUCTURES LOCATION PLAN, FIGURE X.X.
  - DIMENSIONS OF THE STRUCTURE MAY ALTER DURING FURTHER DETAILED DESIGN.
  - POSITION OF SERVICE APPARATUS IS SHOWN INDICATIVELY ONLY. EXACT POSITION OF SERVICES ARE TO BE DETERMINED ON SITE PRIOR TO WORKS COMMENCING.
  - GRADIENTS OF EARTH EMBANKMENTS SHOWN ARE NOMINAL AND SUBJECT TO VARIATION.
  - FOUNDATIONS AS SHOWN ARE INDICATIVE. FOUNDATIONS TO BE PROVIDED TO BE AS PER PRECAST CONCRETE MANUFACTURERS REQUIREMENTS.
  - ALL BACKFILL TO STRUCTURES SHALL BE CLASS 6N IN ACCORDANCE WITH SHW CLAUSE 610. TRENCHES SHALL BE BACKFILLED IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.
  - CONCRETE CLASS IN ACCORDANCE WITH BS8500 SHALL BE AS FOLLOWS:
    - BLINDING ST2
    - PRECAST PORTAL FRAME C50/60
    - WING WALLS C40/50
    - PRECAST CAPPING BEAM C40/50
  - PRECAST CONCRETE ELEMENTS INCLUDING PORTAL FRAME SECTIONS AND WING WALLS SHALL HAVE FORMED CONCRETE FINISH.
  - ALL ELEMENTS OF STRUCTURE IN CONTACT WITH SOIL SHALL RECEIVE TWO COATS OF BITUMINOUS WATERPROOFING MATERIAL PRIOR TO BACKFILLING.
  - RIP-RAP CASCADES & PLUNGE POOLS AS SHOWN ON DRAWING ARE INDICATIVE ONLY. SUBJECT TO VARIATION AT DETAILED DESIGN.
  - THE CULVERT IS BEING CONSTRUCTED OFFLINE TO WATERCOURSE.

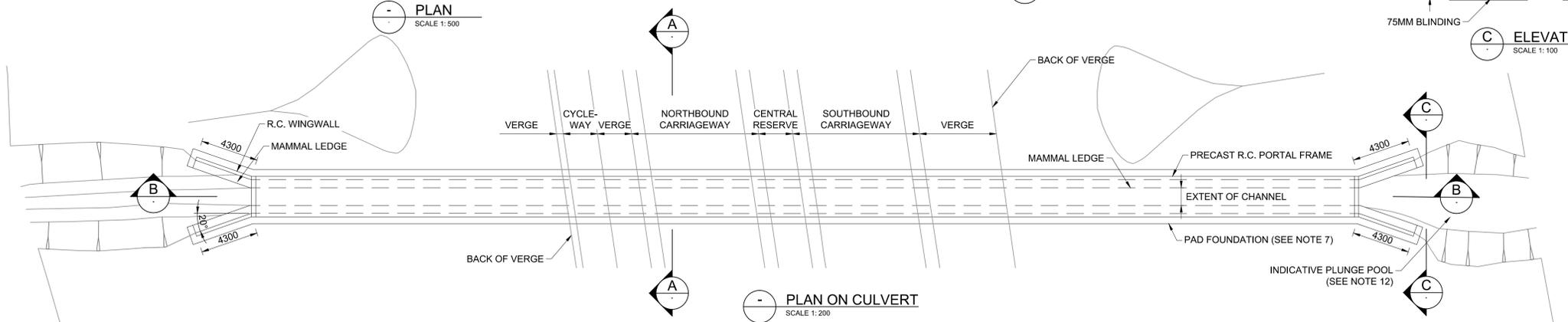
- KEY:
- EXISTING WATER COURSES & STREAMS
  - EXISTING SW WATER MAIN



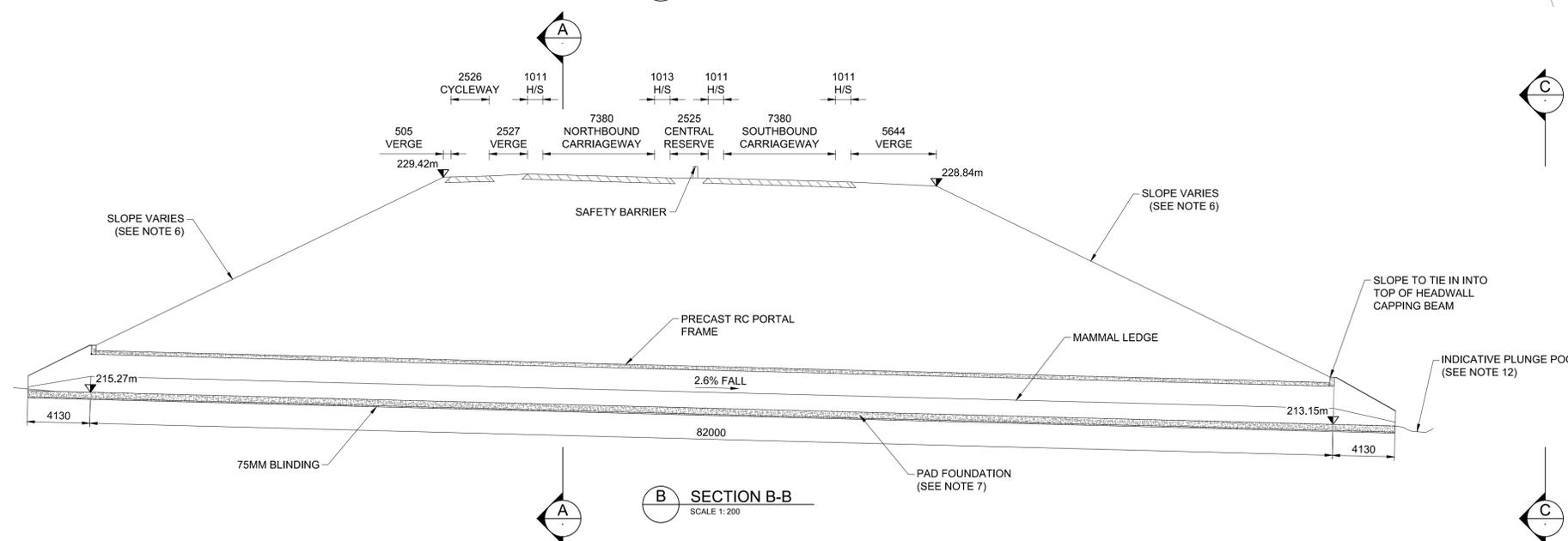
SECTION A-A  
SCALE 1:100



ELEVATION C-C  
SCALE 1:100



PLAN ON CULVERT  
SCALE 1:200



SECTION B-B  
SCALE 1:200

P01.1					
FIRST ISSUE					
Rev	Drawn / Des	Checked	Approved	Date	
Description					
Drawing Status					Suitability
FINAL					B



Drawing Title					
FIGURE 5.9 TYPICAL CULVERT DESIGN BOX CULVERT GENERAL ARRANGEMENT Sheet 2 of 2					
Scale	Designed / Drawn	Checked	Approved	Authorised	
AS SHOWN	DK	EF	ROB	SB	
Original Size	Date	Date	Date	Date	
A1	MAR18	MAR18	MAR18	MAR18	
Drawing Number	Project	Originator	Volume	Revision	
	A9P11-AMJ-EGN-H_ZZZZZ_XX-DR-GI-0080			P04	
Location	Type	Role	Number		

Plotfile: Mar\_09\_2018 - 9:04am by: UKDJK600

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2017. All rights reserved. Ordnance Survey Licence number 100046668.