



RiverOak Strategic Partners

**4.13**

# **Engineering Drawings and Sections**

TR020002/ APP/ 4.13

**Project Name:** Manston Airport Development Consent Order

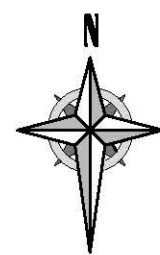
**Regulation:** Regulation 5(2)(o) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure)  
Regulations 2009, as amended

**Date:** July 2018









MANSTON AIRPORT DEVELOPMENT CONSENT ORDER  
ENGINEERING DRAWINGS AND SECTIONS - EXISTING LAYOUT IN THE CONTEXT OF EASA REQUIREMENTS  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL

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Notes

1. OS Data obtained from emapster<sup>TM</sup> May 2017;  
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Ordnance Survey 0100031673

EASA Document CS-ADR-DSN: Issue 4 December 2017

The precision of the survey does not allow an exhaustive check of EASA compliance. However, some aspects can be highlighted.

The clauses of the Document CS-ADR-DSN checked are the following:

**Runway 10/28 (Code Letter E)**

CS-ADR-DSN.B.060 Longitudinal slopes of runways:  
Not to exceed gradient 1.25% (0.80% in first and last quarter).

CS-ADR-DSN.B.065 Longitudinal slopes changes on runways:  
Minimum radius of curvature 30,000m.

CS-ADR-DSN.B.185 Transverse slopes on runway strip:  
Not to exceed 2.50% on the strip portion to be graded.

**Taxiway Alpha (Code Letter E)**

CS-ADR-DSN.D.260 Taxiway minimum separation distance:  
Between taxiway and runway centerline: **172.5m**

**Taxiway Bravo (Code Letter E)**

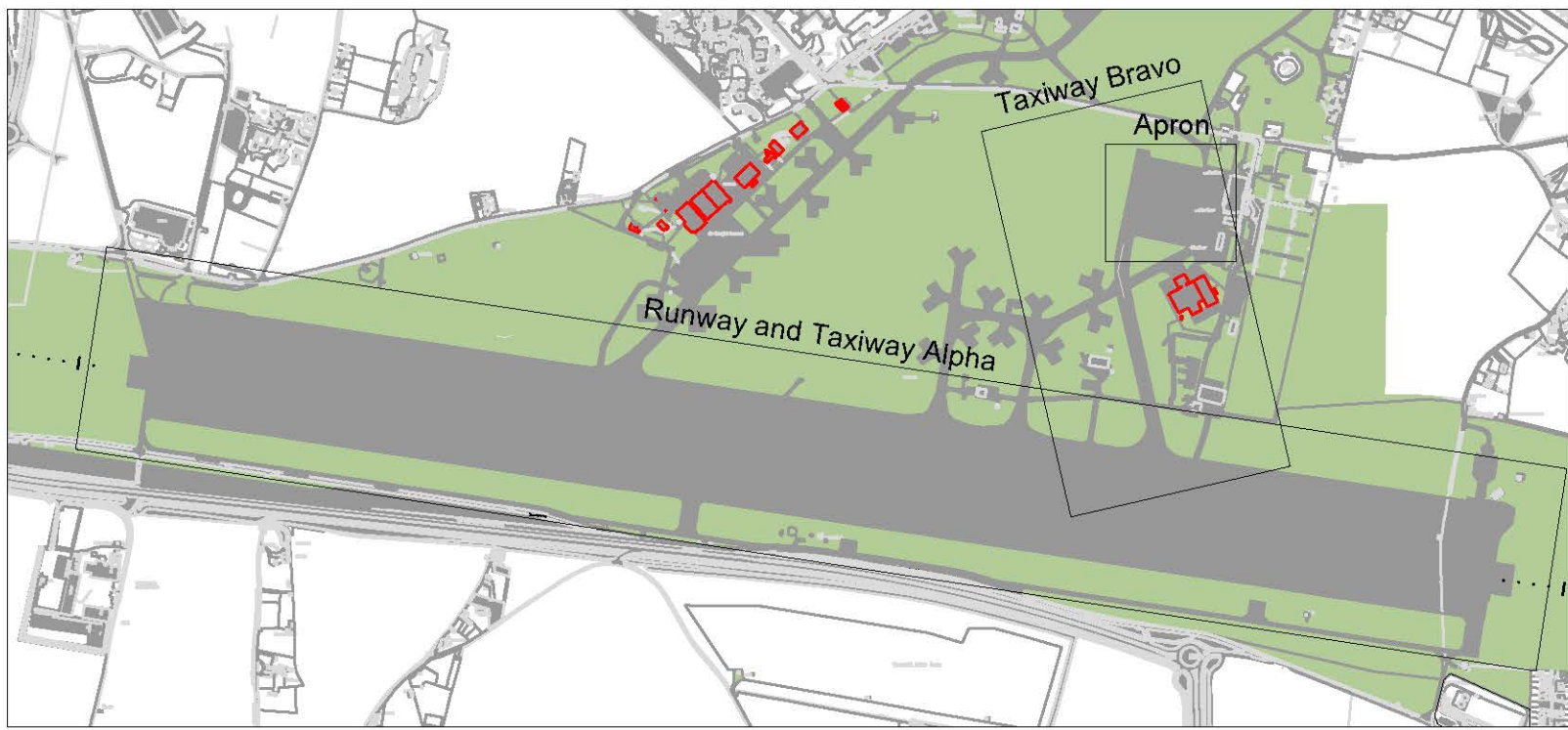
CS-ADR-DSN.D.265 Longitudinal slope on taxiways:  
Not to exceed gradient 1.50%

**Passenger Terminal Apron (Code Letter E)**

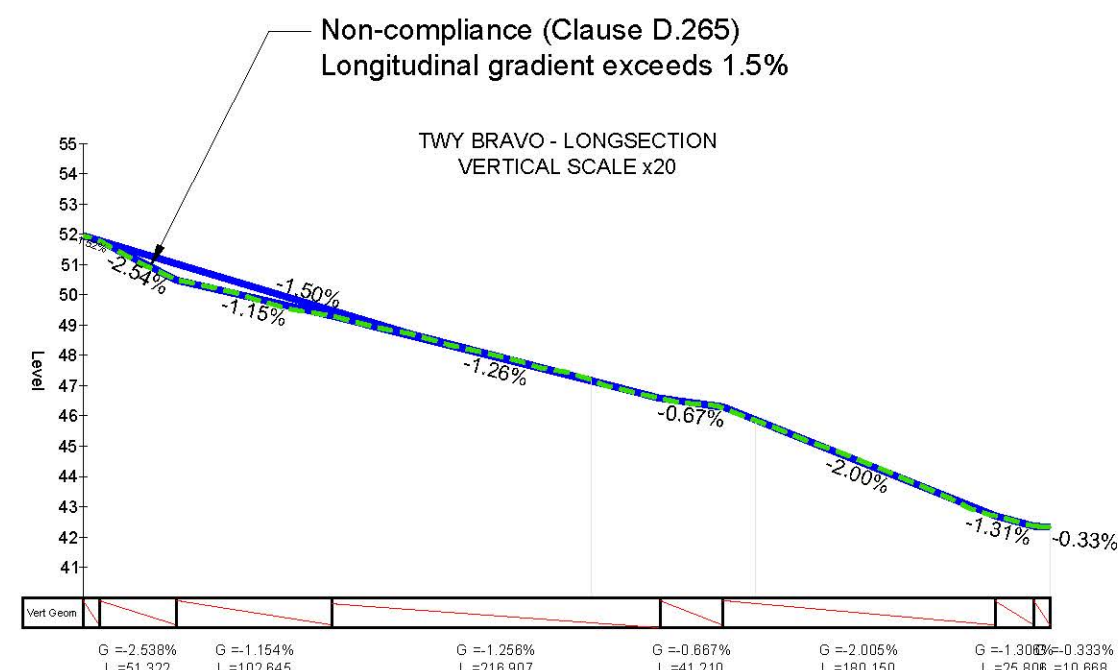
CS-ADR-DSN.E.360 Slopes on aprons:  
On an aircraft stand the maximum slope should not exceed 1% in any direction.



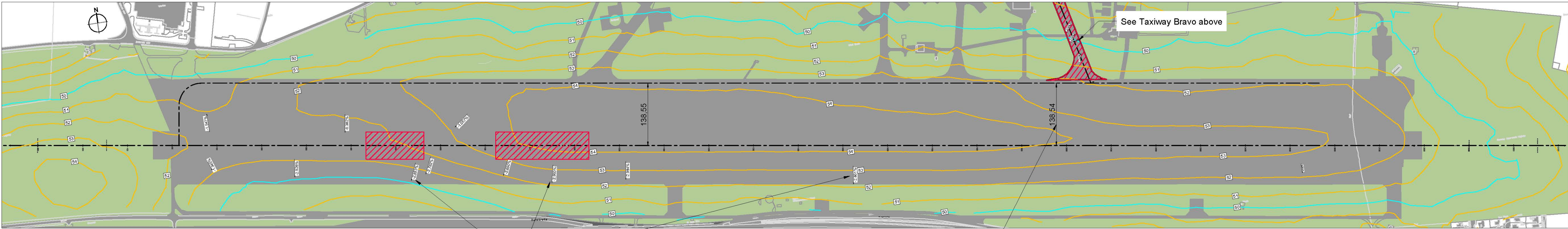
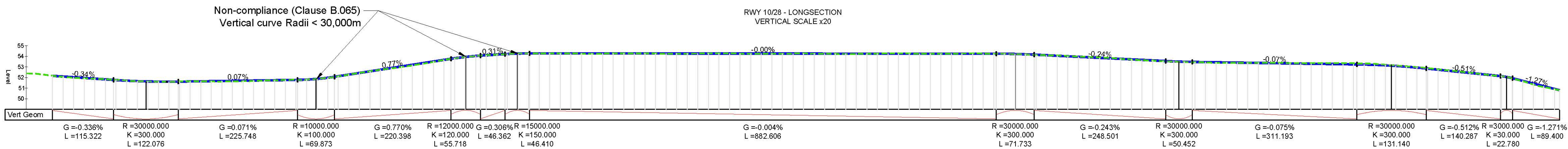
Passenger Terminal Apron - Non-compliance (clause E-360)  
On an aircraft stand, the maximum slope should not exceed 1% in any direction  
Scale 1:1000



Key Plan  
NTS



Taxiway Bravo  
Scale 1:5000



Runway 10/28 and Taxiway Alpha  
Scale 1:5000

Non compliant clause B185  
Transverse slope within the  
graded strip should not exceed 2.5%

Non-compliance (Clause D.260)  
separation between runway and  
taxiway smaller than 182.5m



P03	Application Number Added	KA	CJ	CJ	23.03.18
P02	Note, document number and scale amended	SO	CJ	GDD	20.03.18
P01	First issue	TC	CJ	CJ	12.02.18
Rev	Description	By	Ckd	Apr	Date

Project MANSTON AIRPORT  
DEVELOPMENT CONSENT ORDER

Title ENGINEERING DRAWINGS  
AND SECTIONS -  
EXISTING LAYOUT IN THE  
CONTEXT OF EASA  
REQUIREMENTS  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL

Document Number	Revision		
NK018417 - RPS-MSE-XX-DR-C-2004	P03		
Project Number	Originator	Zone	Level
Application Number - TR020002	Type	Role	Drawing Number
Scale AS SHOWN	Sheet Size A1	Sheet No 1 of 1	Status S 56





MANSTON AIRPORT DEVELOPMENT CONSENT ORDER  
ENGINEERING DRAWINGS AND SECTIONS - RUNWAY-TAXIWAY ALPHA INTERFERENCE  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL

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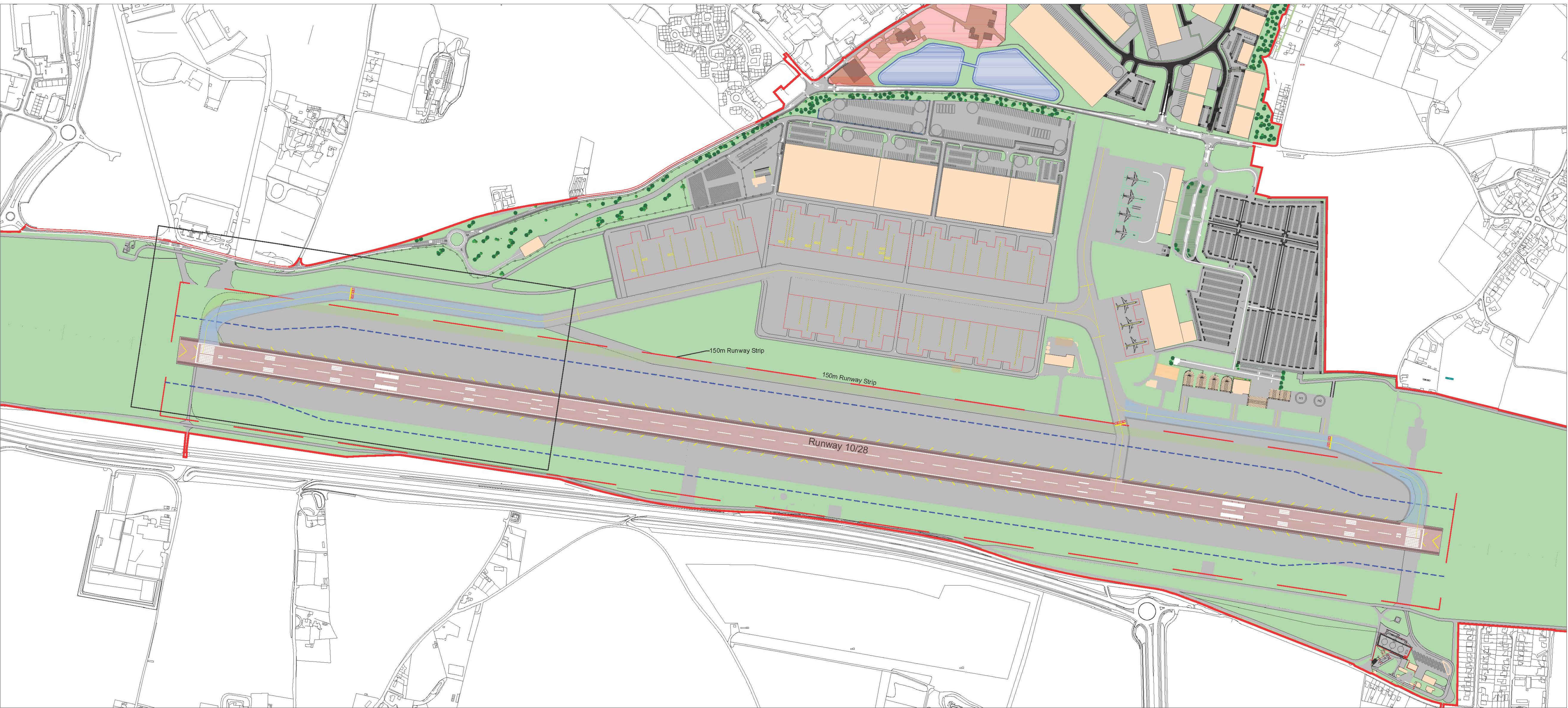
Key

- Order Limits
- Runway 10/28
- Existing Taxiway Alpha
- Proposed Taxiway
- Runway Strip
- Graded Strip

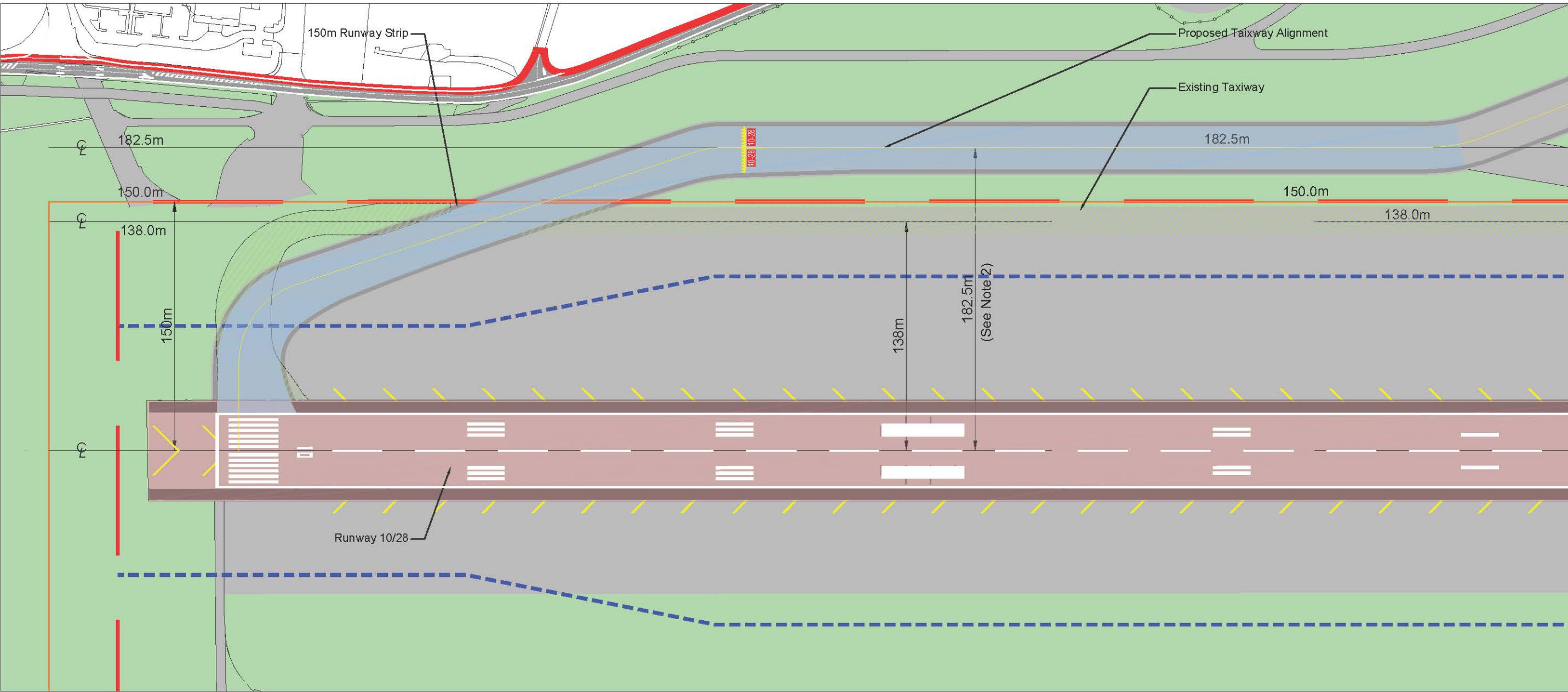
Note 1  
OS Data obtained from emapsite™ May 2017:  
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Ordnance Survey 0100031673

Note 2  
Separation distance between Taxiway Alpha and  
Runway of 182.5m was originally based on EASA  
Guidance Material for aerodrome design  
CS-ADR-DSN Issue 3.

This was suspended by issue 4 on 8th December  
2017 which reduced the minimum separation distance  
to 172.5m for code E and 180m for code F. The  
realignment therefore remains compliant with the  
latest standards but could be reduced.



Plan  
Scale 1:5000



Detail A  
Scale 1:2500

Code letter	Distance between taxiway centre line and runway centre line (metres)								Taxiway centre line to taxiway centre line (metres)	Taxiway, other than aircraft stand taxilane, centre line to object (metres)	Aircraft stand taxilane centre line to aircraft stand taxilane centre line (metres)	Aircraft stand taxilane centre line to object (metres)
	Instrument runways Code number				Non-instrument runways Code number							
	1	2	3	4	1	2	3	4				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
A	77.5	77.5	—	—	37.5	47.5	—	—	23	15.5	19.5	12
B	82	82	152	—	42	52	87	—	32	20	28.5	16.5
C	88	88	158	158	48	58	93	93	44	26	40.5	22.5
D	—	—	166	166	—	—	101	101	63	37	59.5	33.5
E	—	—	172.5	172.5	—	—	107.5	107.5	76	43.5	72.5	40
F	—	—	180	180	—	—	115	115	91	51	87.5	47.5
Note 1: The separation distances shown in columns (2) to (9) represent ordinary combinations of runways and taxiways.												
Note 2: The distances in columns (2) to (9) do not guarantee sufficient clearance behind a holding aeroplane to permit the passing of another aeroplane on a parallel taxiway.												

Table D-1. Taxiway minimum separation distances

EASA Document: Certification Specification For Aerodromes  
Clause CS.ADR-DSN.D.260



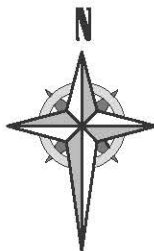
P04	Graded Strip added to key	TAW	CJ	GD	27.03.18
P03	Application Number Added	KA	CJ	CJ	23.03.18
P02	Text amended and Viewports realigned.	AAG	CJ	GDD	21.03.18
P01	First Issue	KA	CJ	GDD	18.02.18
Rev	Description	By	Ckd	Apr	Date

Project MANSTON AIRPORT  
DEVELOPMENT CONSENT ORDER

Title ENGINEERING DRAWINGS  
AND SECTIONS -  
RUNWAY-TAXIWAY ALPHA  
INTERFERENCE  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL

Document Number			Revision
NK018417 - RPS-MSE-XX-DR-C-2005			P04
Project Number	Originator - Zone - Level - Type - Role - Drawing Number		
Application Number - TR020002			
Scale	Sheet Size	Sheet No	Status
As Shown	A1	1 of 1	S.56





MANSTON AIRPORT DEVELOPMENT CONSENT ORDER  
ENGINEERING DRAWINGS AND SECTIONS - OUTLINE DRAINAGE STRATEGY  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL

ILLUSTRATIVE PURPOSES ONLY



Table 1 - Pond Sizing	
1:100 Year Rainfall Event + 40% Climate Change	
Passed Forward Flow Rate 100 l/s	
Type	Treatment + Attenuation
Potentially Contaminated Area (m <sup>2</sup> )	1,332,490
Average Storage Requirement (m <sup>3</sup> )	155,010
Total Surface Area (m <sup>2</sup> )	26,000
Depth per Pond(m)	5.96

Proposed permeable paving to be utilised for attenuation and conveyance of surface water runoff generated within the airport related business development area. Runoff to eventually discharge into ground via infiltration.

Proposed attenuation ponds  
Please refer to Table 1 for details

Hydro-Brake® Optimum or similar approved flow control device, to limit pass forward flow rate of 100l/s.

Existing pumping station,  
pump setup and rate TBC

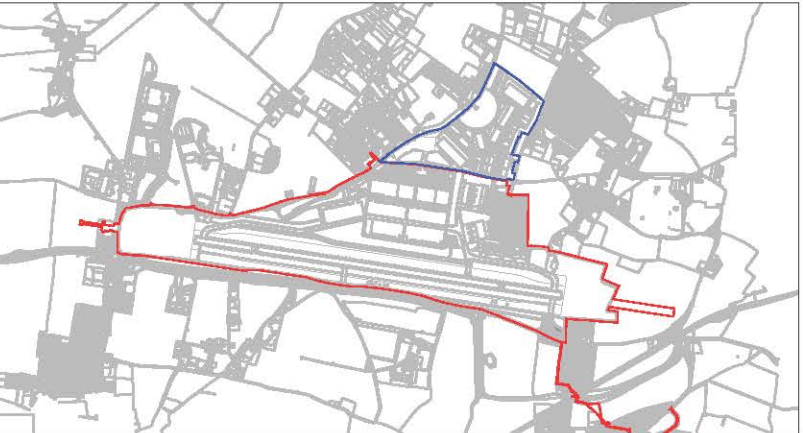
Light Liquid Separator to be  
used for de-icing stands

Existing Gravity Main to be made  
redundant. Inlet and outlet to be concreted.

See drawing:  
NK018417-RPS-B01-01-DR-S-2023  
For Fuel Farm Drainage Layout.

Existing outfall to Pegwell  
Bay to be utilised

- Notes
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  2. If received electronically it is the recipients responsibility to print to correct scale. Only written dimensions should be used.
  3. Shown attenuation features designed to convey and store runoff generated by rainfall event of up to 1 in 100 year + 40% Climate Change.
  4. Surface Water runoff generated on site will be discharged into Pegwell Bay, south east of the site boundary.
  5. A discharge rate of 100l/s is assumed. Confirmation of existing pump setup and rates would be required.
  6. Method of capture of all surface water runoff is not shown.
  7. Proposed drainage strategy is outline only, is shown indicatively and subject to detailed design.



Key Plan  
Scale: NTS

- Key:
- Manston Airport Site Area (254.099ha)
  - Airport Related Business Development area (49.087ha)
  - Surface Water Runoff Catchment from Roof Areas Only
  - Contaminated Surface Water Runoff from Aprons, Taxiways and Roads
  - Proposed Permeable Paving
  - Proposed Light Liquid Separator
  - Existing Pumping Station
  - Existing Gravity Main
  - Proposed Gravity Main
  - Existing Pumping Main to be Reused

P05	Label Revised	PG	RR	RR	27.03.18
P04	Drawing Number Revised	ST	RR	RR	23.03.18
P03	Site Boundary and Drainage Network Revised	ST	RR	RR	21.03.18
P02	Site Boundary Revised	ES	RR	RR	23.02.18
P01	Site Layout Revised	ES	RR	RR	08.11.17
Rev	Description	By	Ckd	Apr	Date

Project MANSTON AIRPORT  
DEVELOPMENT CONSENT ORDER

Title ENGINEERING DRAWINGS  
AND SECTIONS - OUTLINE  
DRAINAGE STRATEGY  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL

Document Number		Revision	
NK018417 - RPS-B01-01-DR-S-2020		P05	
Project Number	Originator - Zone - Level - Type - Role - Drawing Number		
Application Number - TR020002			
Scale	Sheet Size	Sheet No	Status
NTS	A1	1 of 1	S. 56





MANSTON AIRPORT DEVELOPMENT CONSENT ORDER  
ENGINEERING DRAWINGS AND SECTIONS - FUEL FARM DRAINAGE LAYOUT  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL

ILLUSTRATIVE PURPOSES ONLY



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  2. If received electronically it is the recipients responsibility to print to correct scale. Only written dimensions should be used.
  3. Storing of oil, design standards for fuel tanks and containers, should be in accordance to Environment Agency's requirements.
  4. Shown attenuation features designed to convey and store runoff generated by rainfall event of up to 1 in 100 year + 40% Climate Change.
  5. Surface Water runoff generated on site will be discharged into Pegwell Bay, south east of the site boundary.
  6. Proposed drainage strategy is outline only, is shown indicatively and subject to detailed design.

- Key:
- Order Limits
  - Proposed Surface Water Network
  - Proposed Road Gully
  - Proposed Control Valve Chamber
  - Proposed Manhole Chamber
  - Proposed Oil Water Separator
  - Existing Gravity Main
  - Proposed Gravity Main

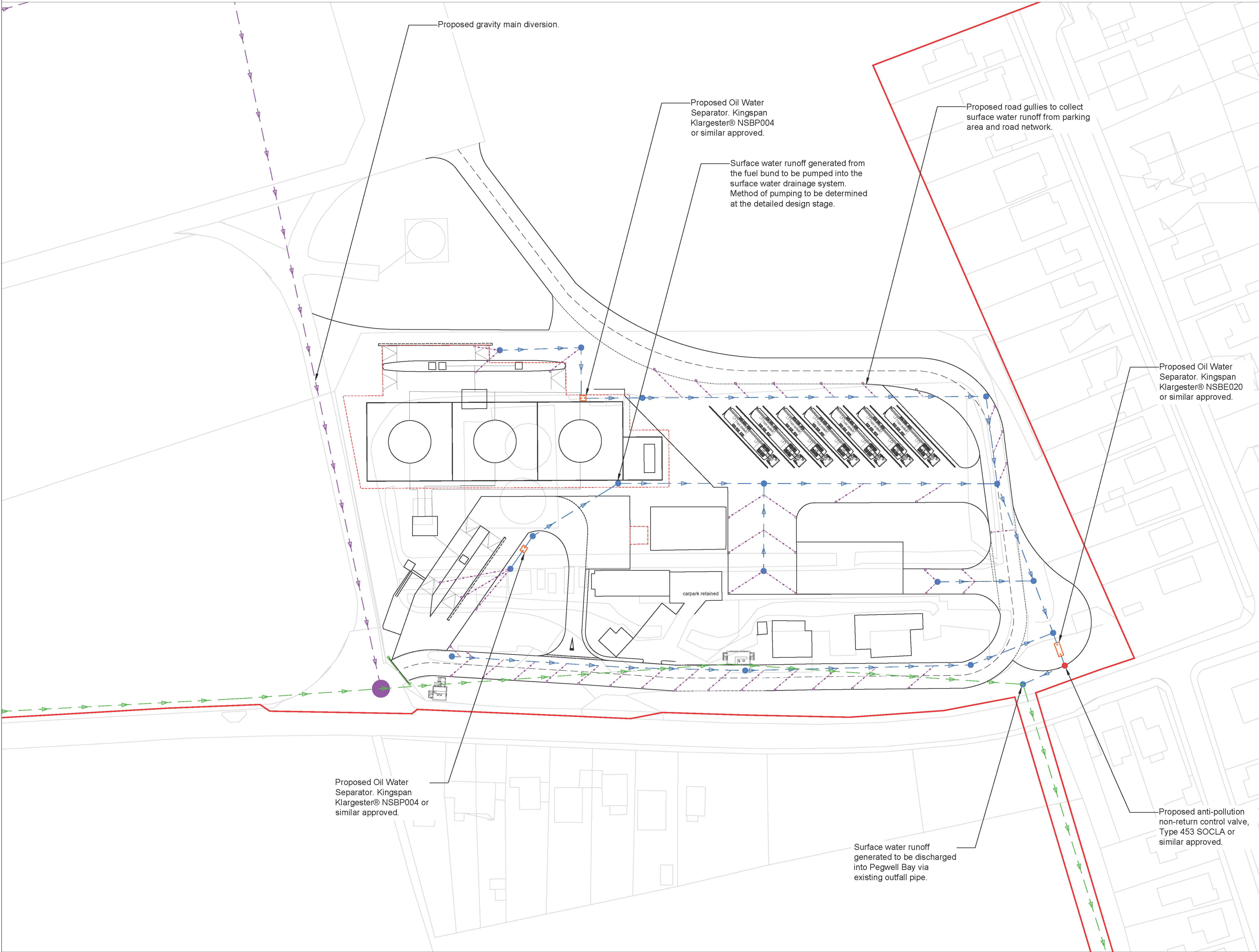
**PIPES WOULD BE OVERSIZED  
TO ACCOMMODATE  
CLOSURE OF POLLUTION  
CONTROL VALVE WITHOUT  
FLOODING**

P06	Label Revised	PG	RR	RR	27.03.18
P05	Drawing Number Revised	ST	RR	RR	23.03.18
P04	General comments incorporated	ST	RR	RR	21.03.18
P03	Drainage layout amended	ES	RR	RR	23.02.18
P02	Drainage layout amended	ES	RR	RR	13.11.17
P01	Site layout revised	ES	RR	RR	08.11.17
Rev	Description	By	Ckd	Apr	Date

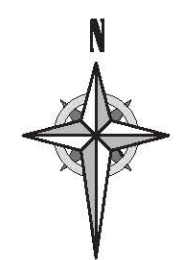
Project MANSTON AIRPORT  
DEVELOPMENT CONSENT ORDER

Title ENGINEERING DRAWINGS  
AND SECTIONS - FUEL FARM  
DRAINAGE LAYOUT  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL

Document Number			Revision
NK018417 - RPS-B01-01-DR-S-2023			P06
Project Number	Originator - Zone - Level - Type - Role - Drawing Number		
Application Number - TR020002			
Scale	Sheet Size	Sheet No	Status
1:500	A1	1 of 1	S. 56







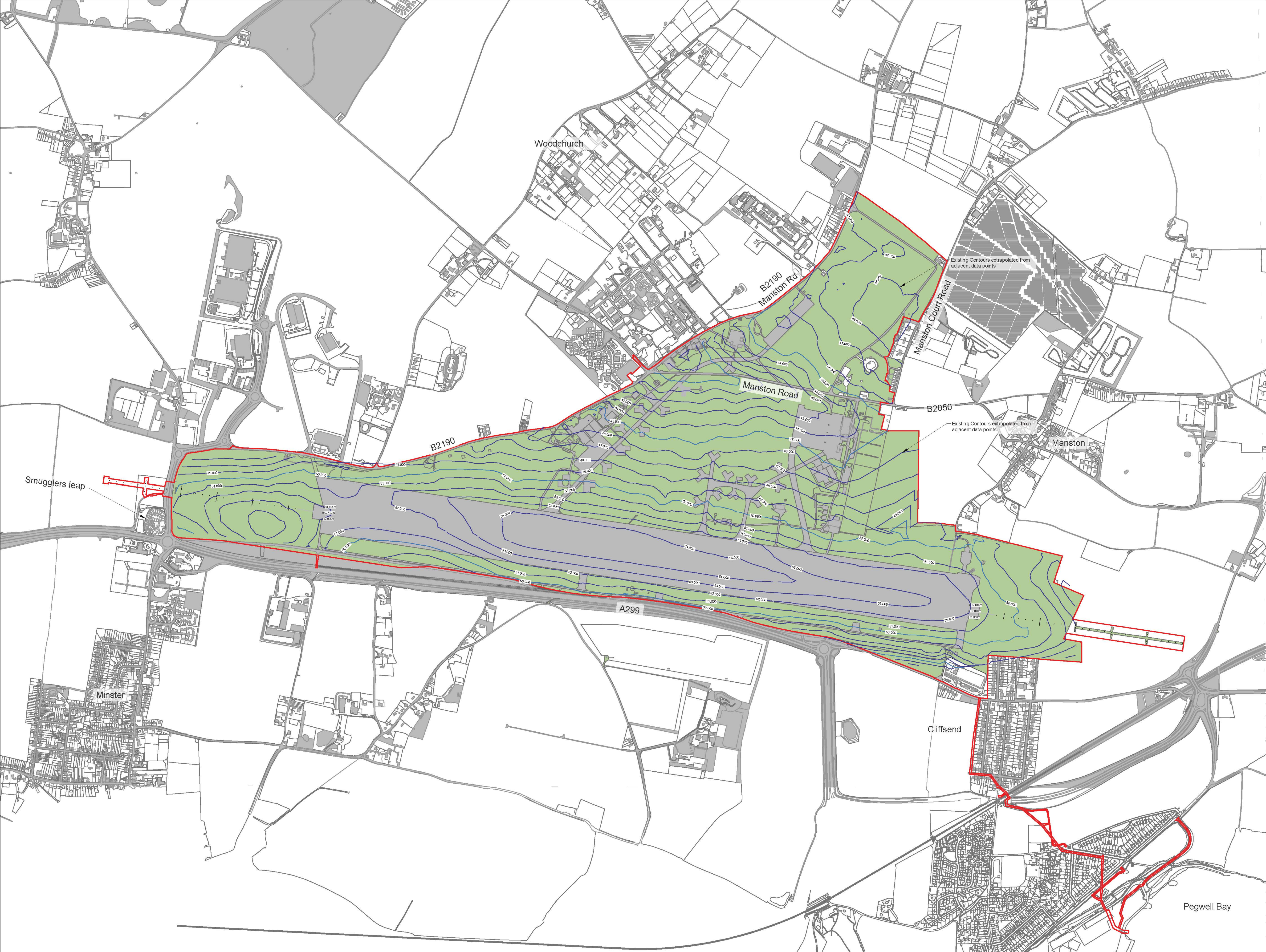
MANSTON AIRPORT DEVELOPMENT CONSENT ORDER  
ENGINEERING DRAWINGS AND SECTIONS - EXISTING CONTOURS  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL

RSP

KEY

- Order Limits
- Existing ground contours at 5m intervals
- Existing ground contours at 1m intervals

- NOTES
- OS data obtained from emapsite<sup>®</sup> May 2017. © Crown copyright and database rights 2017. Ordnance Survey 0100031673
  - topographical data obtained from historical airport data received 11/03/2016 refEGMH\_25mgrid levels.dwg and supplemented by RPS survey (Feb 2017) ref "UAK3008\_A"
  - Existing contours extrapolated from adjacent location in some areas.



P03	Application Number Added	KA	CJ	CJ	23.03.18
P02	Boundary and master plan updated	TAW	CJ	GD	21.03.18
P01	First Issue	AAG	CJ	GD	01/09/17
Rev	Description	By	Ckd	Apr	Date

Project MANSTON AIRPORT  
DEVELOPMENT CONSENT ORDER

Title ENGINEERING DRAWINGS  
AND SECTIONS -  
EXISTING CONTOURS  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL

Document Number		Revision	
NK018417 - RPS-MSE-XX-DR-C-2030		P03	
Project Number	Originator - Zone - Level - Type - Role - Drawing Number		
Application Number - TR020002			
Scale	Sheet Size	Sheet No	Status
1:7500	A1	1 of 1	S.56

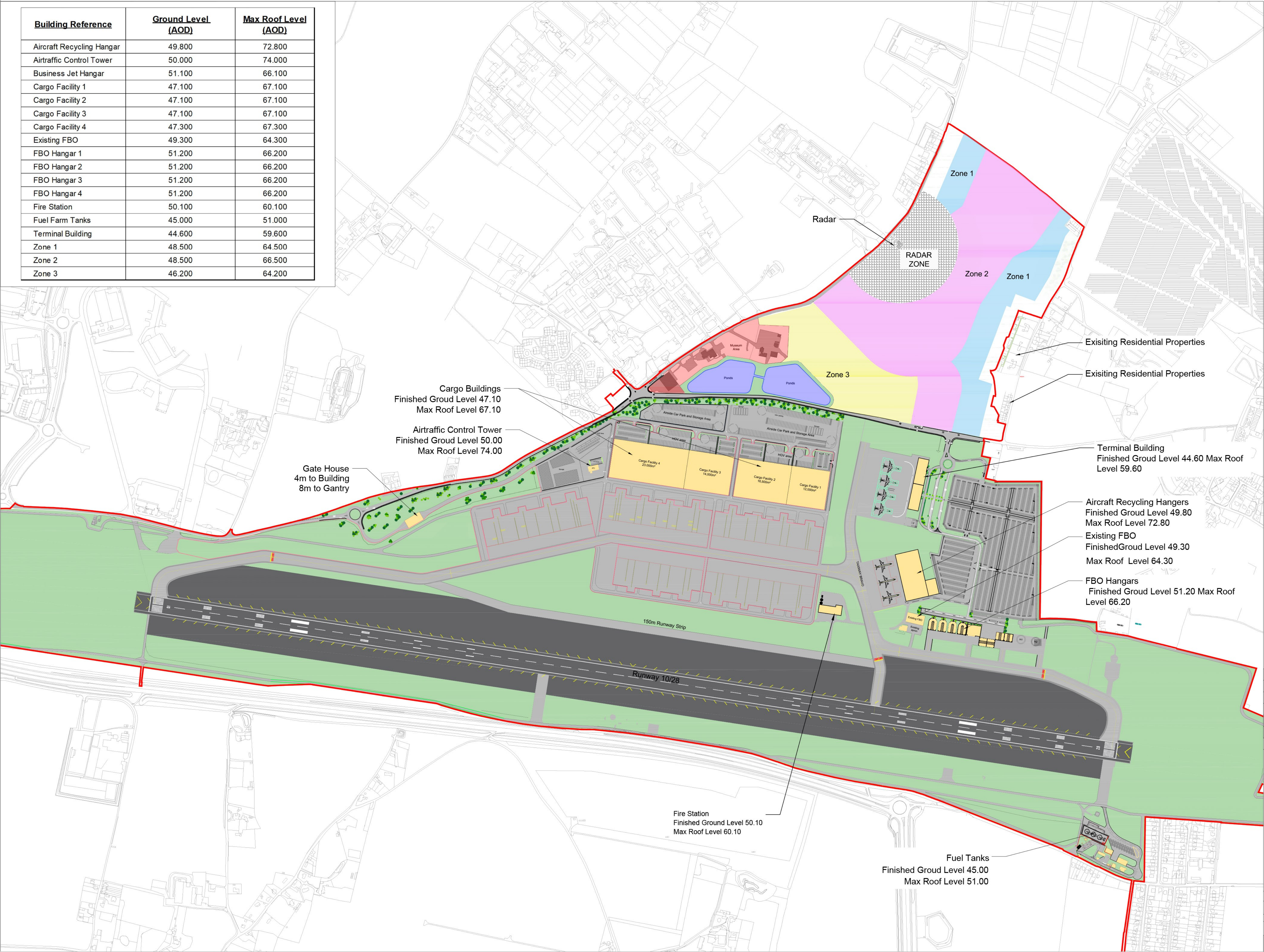




MANSTON AIRPORT DEVELOPMENT CONSENT ORDER  
ENGINEERING DRAWINGS AND SECTIONS - BUILDING HEIGHT  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL



Building Reference	Ground Level (AOD)	Max Roof Level (AOD)
Aircraft Recycling Hangar	49.800	72.800
Airtraffic Control Tower	50.000	74.000
Business Jet Hangar	51.100	66.100
Cargo Facility 1	47.100	67.100
Cargo Facility 2	47.100	67.100
Cargo Facility 3	47.100	67.100
Cargo Facility 4	47.300	67.300
Existing FBO	49.300	64.300
FBO Hangar 1	51.200	66.200
FBO Hangar 2	51.200	66.200
FBO Hangar 3	51.200	66.200
FBO Hangar 4	51.200	66.200
Fire Station	50.100	60.100
Fuel Farm Tanks	45.000	51.000
Terminal Building	44.600	59.600
Zone 1	48.500	64.500
Zone 2	48.500	66.500
Zone 3	46.200	64.200



**Key**

Order Limits

Buildings / Structures

Grassed Area

Landscaped Area

Drainage Pond

Buffer Zone  
45m clearance to first building from site boundary in sensitive areas

Zone 1  
Area of most sensitivity

- Building height limited to ≤16m above finished ground level height
- Building use limited to offices
- Σ Building GFA - ≤30,000m<sup>2</sup> of B1 development

Zone 2  
Area of moderate sensitivity

- Buildings limited to ≤18m above finished ground level height
- Σ Building GFA - ≤60,000m<sup>2</sup> of B1/B8 development

Zone 3  
Area of minimal sensitivity

- Building limited to ≤18m above finished ground level height
- Σ Building GFA - ≤28,000m<sup>2</sup> of B8 development

Notes

1. OS Data obtained from emaps@nls.gov.uk May 2017.  
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Ordnance Survey 0100031673



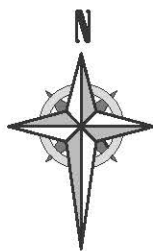
P06	Table and key updated	SO	CJ	GDD	27.03.18
P05	Application Number Added	KA	CJ	CJ	23.03.18
P04	DCO Boundary Updated.	AAG	CJ	GDD	21.03.18
P03	Northern area zones added.	KA	CJ	CJ	23.02.18
P02	Tables of heights added.	SW	CJ	CJ	18.10.17
P01	First Issue.	RS	CJ	GDD	26.09.17
Rev	Description.	By	Ckd	Apr	Date

Project MANSTON AIRPORT  
DEVELOPMENT CONSENT ORDER

Title ENGINEERING DRAWINGS  
AND SECTIONS -  
BUILDING HEIGHT  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL

Document Number		Revision	
NK018417 - RPS-MSE-XX-DR-C-2060		P06	
Project Number	Originator - Zone - Level - Type - Role - Drawing Number		
Application Number - TR020002			
Scale	Sheet Size	Sheet No	Status
1:5000	A1	1 of 1	S. 56





MANSTON AIRPORT MASTERPLAN DEVELOPMENT CONSENT ORDER  
ENGINEERING DRAWINGS AND SECTIONS - PROPOSED CONTOURS  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL



KEY

Order Limits

45.00 Proposed ground contours at 0.5m intervals

Proposed ground contours at 0.1m intervals

- Notes
- OS Data obtained from emapsite in May 2017:  
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Ordnance Survey 0100031673
  - Levels shown are given AOD above ordnance datum



P06	Key updated and note added	TAW	CJ	GD	27.03.18
P05	Application Number Added	TAW	CJ	GD	23.06.18
P04	Boundary and master plan updated	TAW	CJ	GD	21.03.18
P03	Amendments to proposed contours level	RS	RS	CJ	20.02.18
P02	Taxiway fillets added	SW	JLE	CJ	25.10.17
P01	First issue	SW	JLE	CJ	20.10.17
Rev	Description	By	Ckd	Apr	Date

Project MANSTON AIRPORT  
DEVELOPMENT CONSENT ORDER

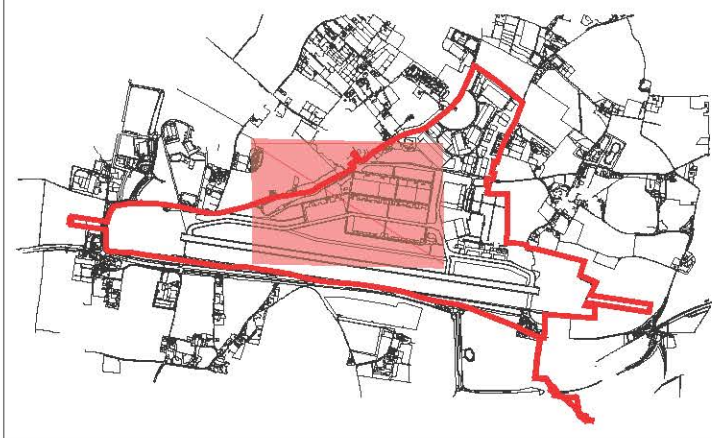
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AND SECTIONS -  
PROPOSED CONTOURS  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL

Document Number	Revision		
NK018417 - RPS-MSE-XX-DR-C-2062	P06		
Project Number	Originator	Zone	Level
Application Number - TR20002			
Scale	Sheet Size	Sheet No	Status
1:7500	A1	1 of 1	S.56



MANSTON AIRPORT DEVELOPMENT CONSENT ORDER  
ENGINEERING DRAWINGS AND SECTIONS - PROPOSED CONTOURS - CARGO AREA  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL

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KEY

Order Limits

45.00 Proposed ground contours at 0.5m intervals

Proposed ground contours at 0.1m intervals

- Notes
1. OS Data obtained from emapster May 2017.  
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Ordnance Survey 0100031673
2. Levels shown are given AOD above ordnance datum

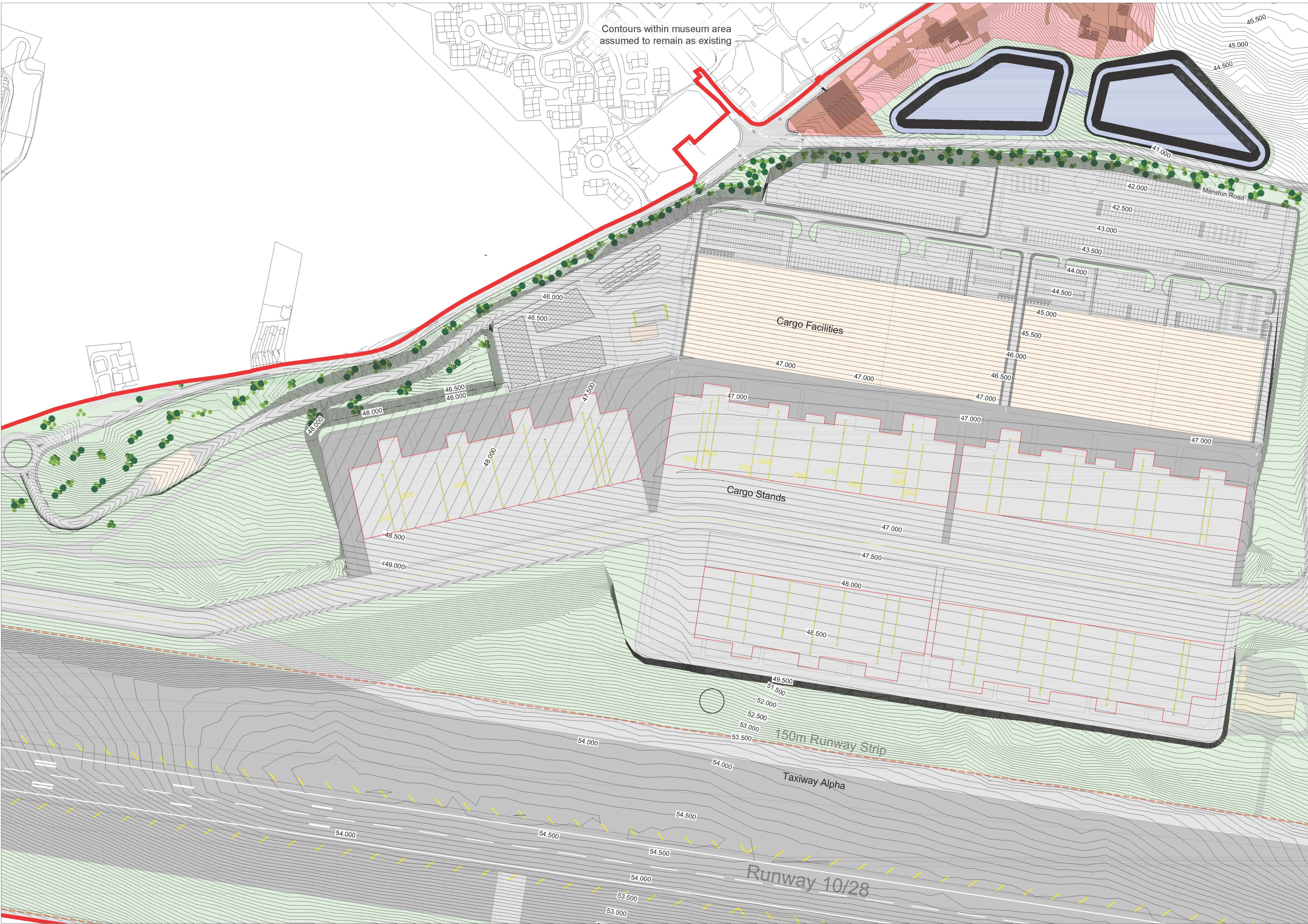


P06	Key updated and note added	TAW	CJ	GD	27.03.18
P05	Application Number Added	TAW	CJ	GD	23.03.18
P04	Boundary and master plan updated	TAW	CJ	GD	21.03.18
P03	Amendments to proposed contours level	RS	RS	CJ	20.02.18
P02	Taxiway fillets added	SW	JLE	CJ	25.10.17
P01	First issue	SW	JLE	CJ	20.10.17
Rev	Description	By	Ckd	Apr	Date

Project MANSTON AIRPORT  
DEVELOPMENT CONSENT ORDER

Title ENGINEERING DRAWINGS  
AND SECTIONS -  
PROPOSED CONTOURS -  
CARGO AREA  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL

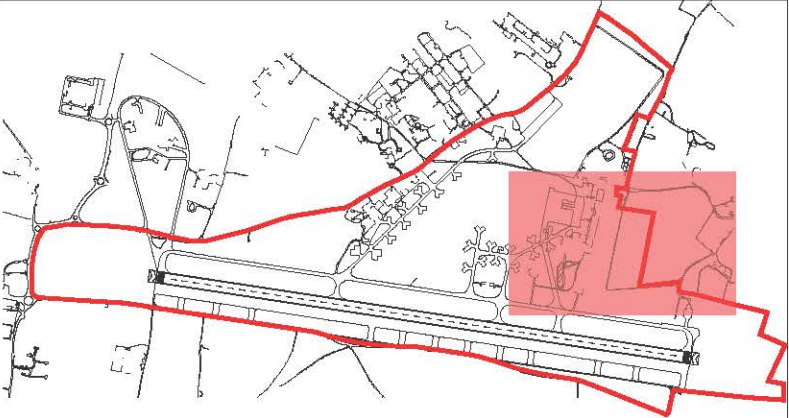
Document Number			Revision
NK018417 - RPS-MSE-XX-DR-C-2063			P06
Project Number	Originator - Zone - Level - Type - Role - Drawing Number		
Application Number - TR20002			
Scale	Sheet Size	Sheet No	Status
1:2000	A1	1 of 1	S.56







MANSTON AIRPORT DEVELOPMENT CONSENT ORDER  
ENGINEERING DRAWINGS AND SECTIONS - PROPOSED CONTOURS - PASSENGER AREA  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL



Key Plan  
Scale: NTS

KEY

- Order Limits
- Proposed ground contours at 0.5m intervals
- Proposed ground contours at 0.1m intervals

Notes

- OS Data obtained from emapster May 2017;  
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Ordnance Survey 0100031673
- Levels shown are given AOD above ordnance datum.

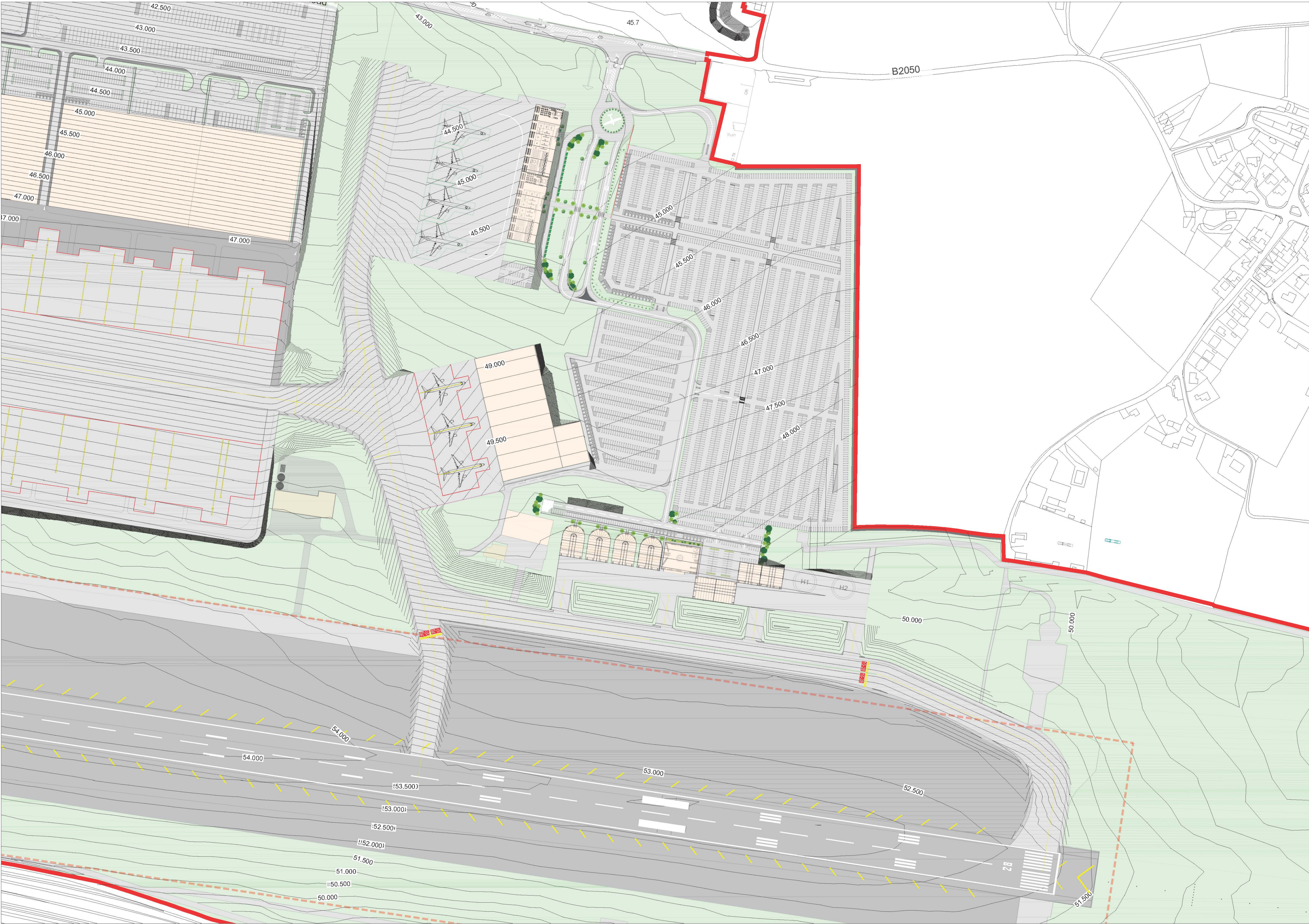


P06	Key updated and note added	TAW	CJ	GD	27.03.18
P05	Application Number Added	TAW	CJ	GD	23.03.18
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P02	Taxiway fillets added	SW	JLE	CJ	25.10.17
P01	First issue	SW	JLE	CJ	20.10.17
Rev	Description	By	Ckd	Apr	Date

Project MANSTON AIRPORT  
DEVELOPMENT CONSENT ORDER

Title ENGINEERING DRAWINGS  
AND SECTIONS -  
PROPOSED CONTOURS -  
PASSENGER AREA  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL

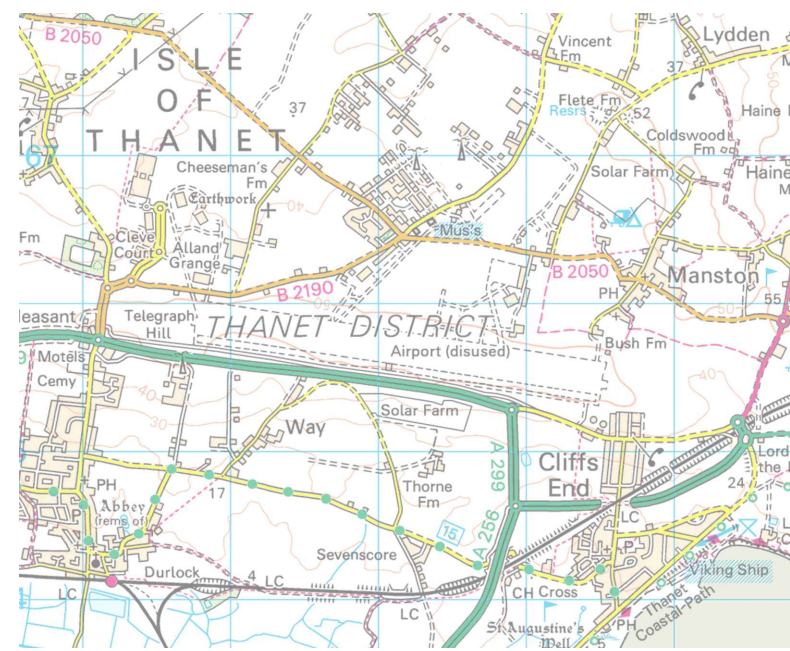
Document Number	Revision		
NK018417 - RPS-MSE-XX-DR-C-2064	P06		
Project Number	Originator	Zone	Level
Application Number - TR20002	Type	Role	Drawing Number
Scale	Sheet Size	Sheet No	Status
1:7500	A1	1 of 1	S.56





MANSTON AIRPORT DEVELOPMENT CONSENT ORDER  
ENGINEERING DRAWINGS AND SECTIONS - ROUTE OF PEGWELL BAY OUTFALL  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL

RSP



OS Data obtained from emapsite™ May 2017:  
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Ordnance Survey 0100031673

- Key
- Location of Pegwell outfall Pipeline
  - Order Limits
  - Proposed route of access to manhole positioned in private land
  - Location of incoming connection of unknown ownership
  - Manhole located in private land ownership
  - Manhole located in local authority land ownership

- Notes
- OS Data obtained from emapsite™ May 2017:  
© Crown copyright and database rights 2017  
Ordnance Survey 0100031673  
Pegwell Bay outfall alignment base on stats plan Thanet Way 7B  
MOD Surface Water Drainage Survey dated Oct '95 visual survey conducted by RPS on 24<sup>th</sup>/25<sup>th</sup> April 2017 and RPS topographical survey conducted 21<sup>st</sup> to 23<sup>rd</sup> of August 2017.



P10	Title amended	TAW	CJ	GD	29.03.18
P09	Key and order limit amended	SO	CJ	GDD	27.03.18
P08	Application Number Added	TAW	CJ	GD	23.03.18
P07	DCO Boundary Updated	AAG	CJ	GDD	21.03.18
P06	DCO Boundary updated and Key Updated	TAW	CJ	GDD	16.02.18
P05	Access route to manhole at Viking Longship added	TC	CJ	GDD	22.01.18
P04	Changed surface water pipe to a dashed blue line	KA	CJ	GDD	06.10.17
P03	Superseded pipeline route removed from drawing. Inset View 3 and access routes added and manholes adjusted to suit surveyed pipeline route.	TAW	CJ	GDD	04.10.17
P02	Drawing Updated	TAW	CJ	-	30.08.17
P01	First Issue	RS	CJ	-	06.07.17
Rev	Description	By	Ckd	Apr	Date

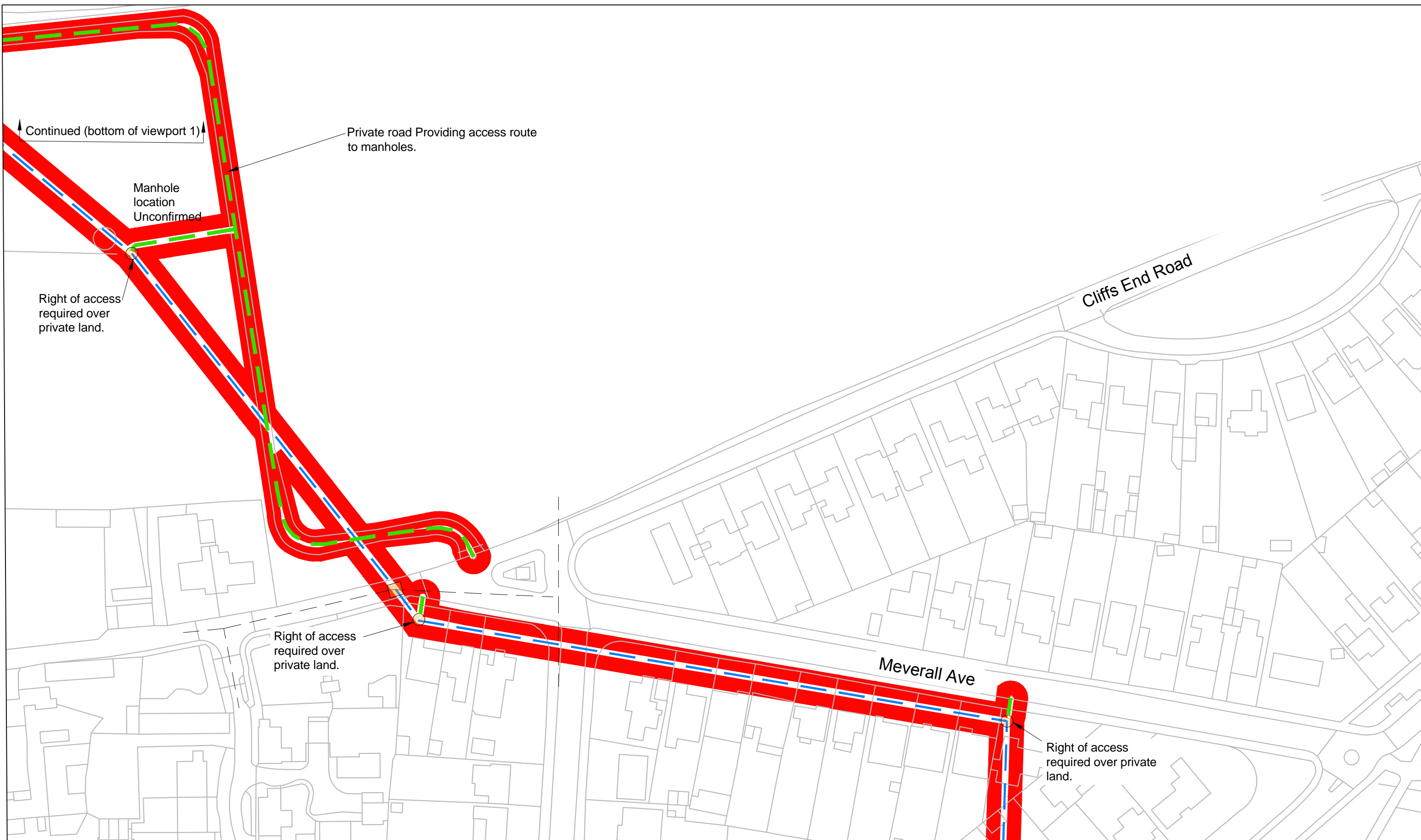
Project MANSTON AIRPORT  
DEVELOPMENT CONSENT ORDER

Title ENGINEERING DRAWINGS  
AND SECTIONS - ROUTE OF  
PEGWELL BAY OUTFALL  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL

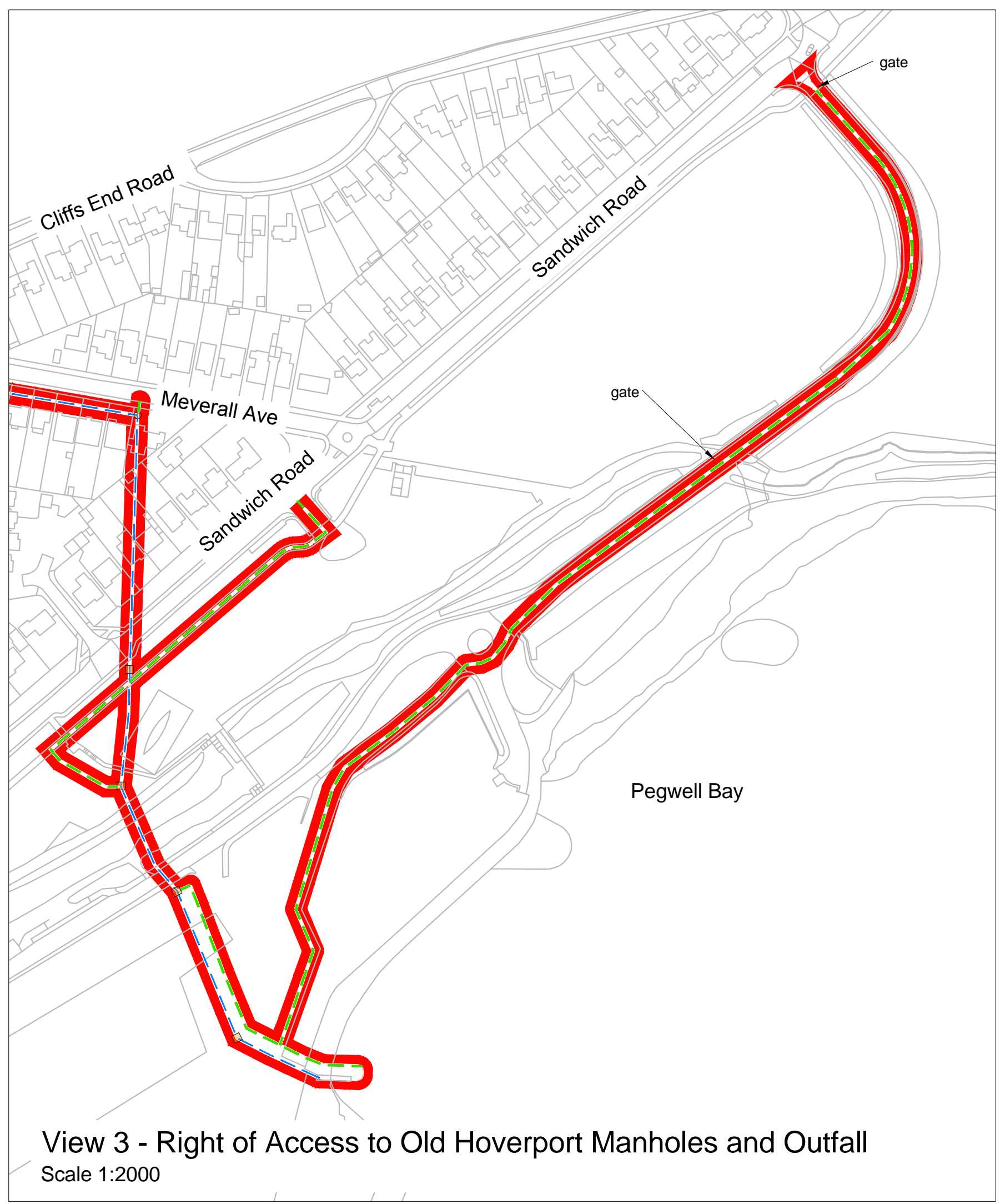
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Project Number	Originator - Zone - Level - Type - Role - Drawing Number		
Application Number - TR20002			
Scale	Sheet Size	Sheet No	Status
As Shown	A1	1 of 1	S.56



View 1  
Scale 1:1000



View 2  
Scale 1:1000



View 3 - Right of Access to Old Hoverport Manholes and Outfall  
Scale 1:2000

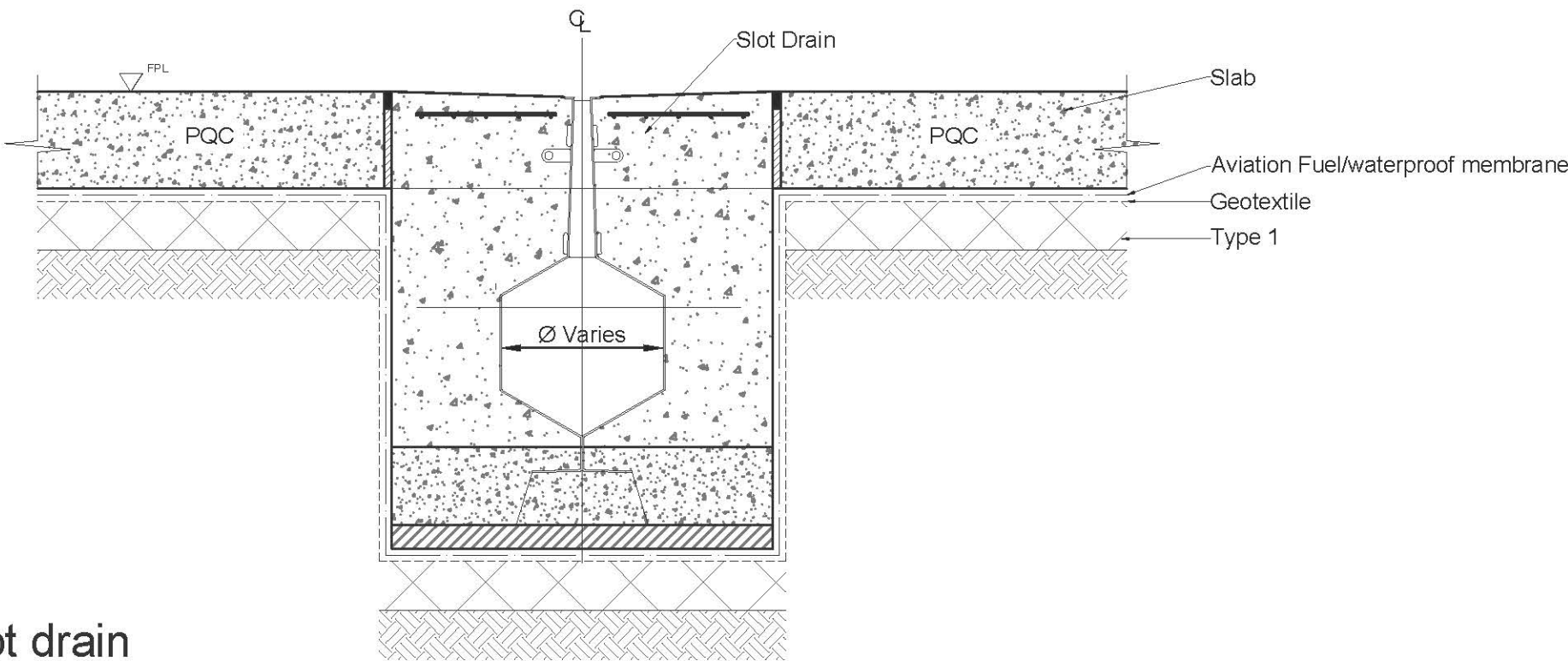




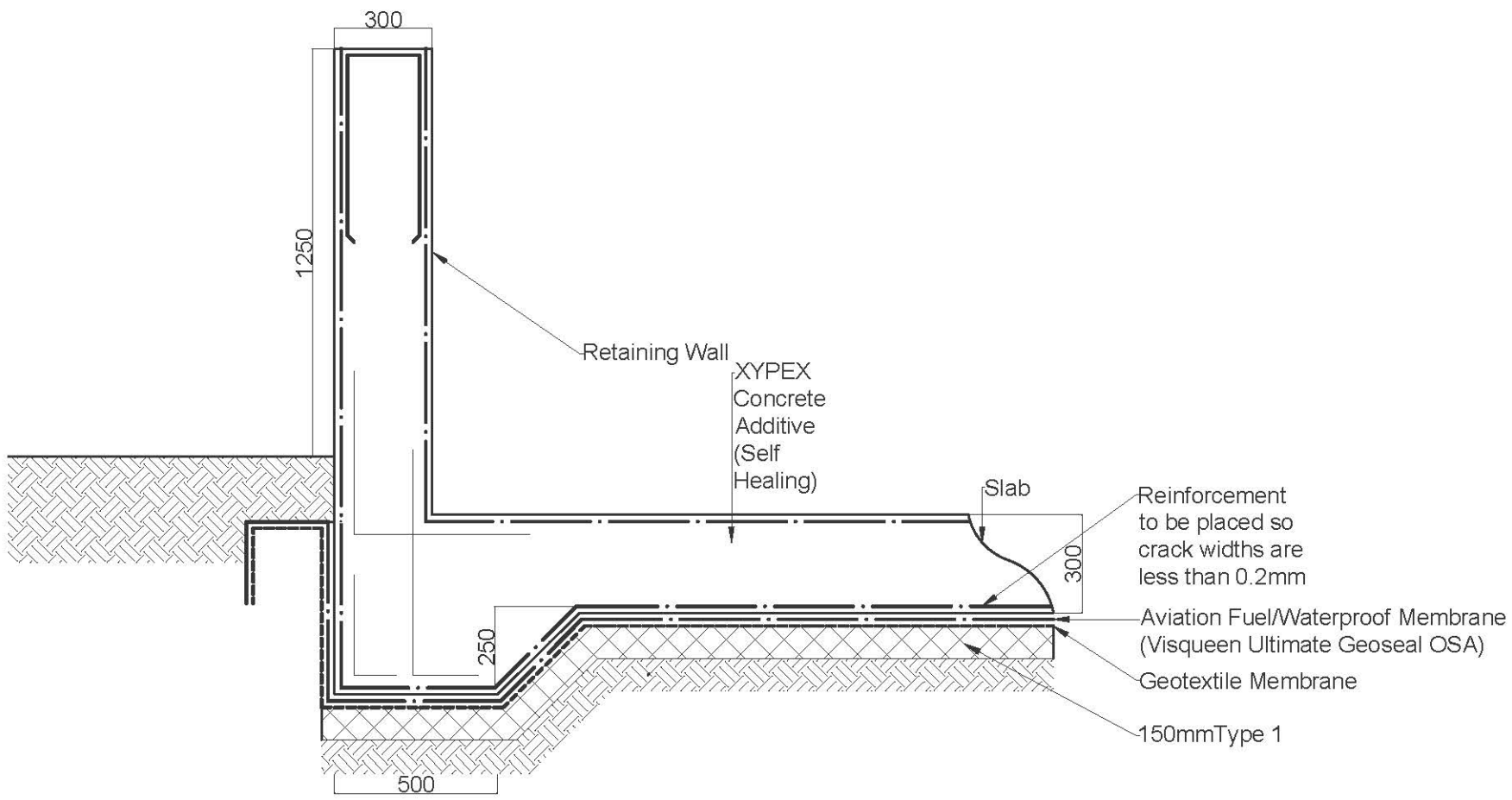
MANSTON AIRPORT DEVELOPMENT CONSENT ORDER  
ENGINEERING DRAWINGS AND SECTIONS - FUEL FARM DESIGN DETAILS SHEET 1 OF 2  
REGULATIONS 5(2)(o)  
THANET DISTRICT COUNCIL

ILLUSTRATIVE PURPOSES ONLY

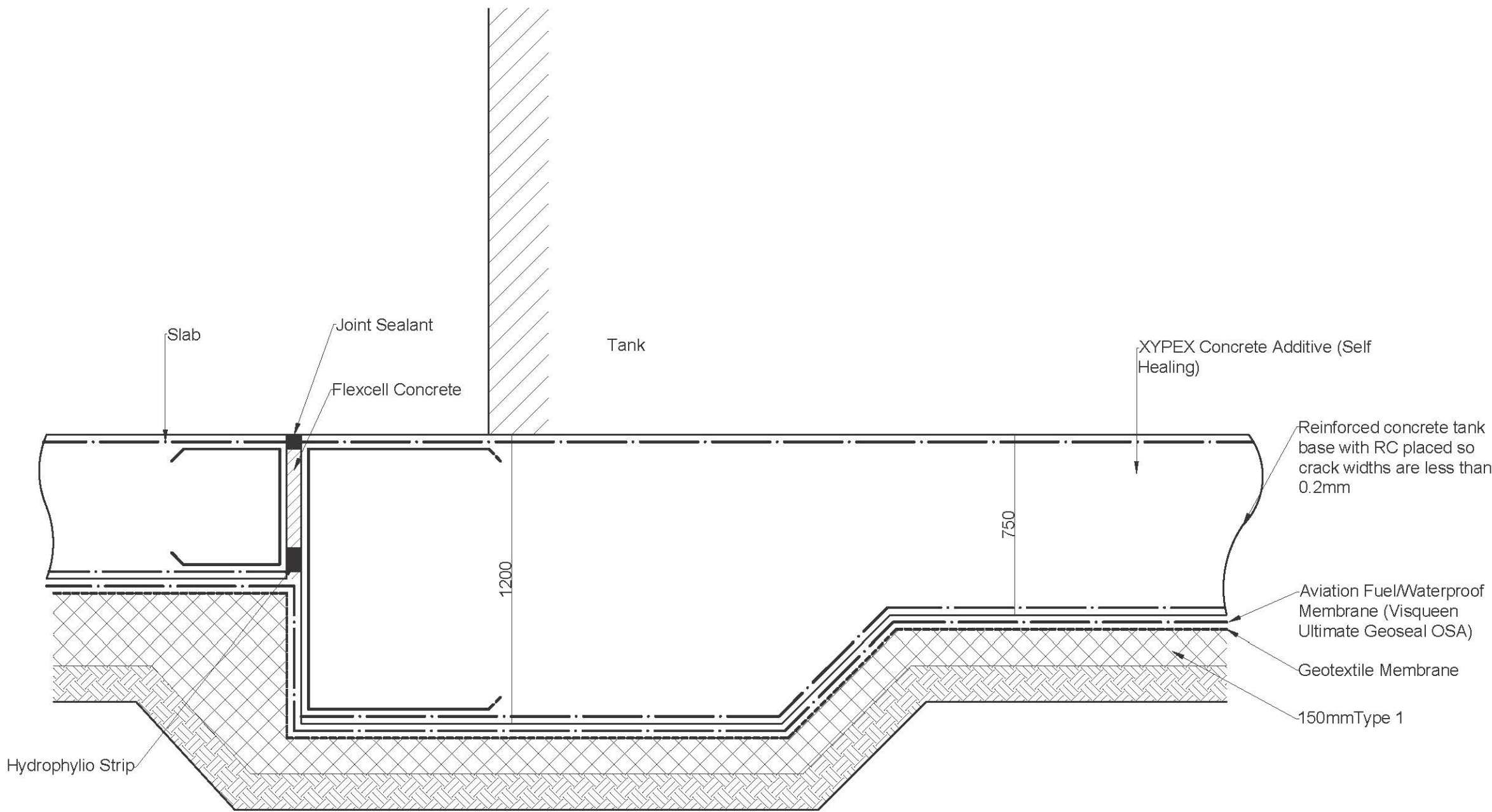
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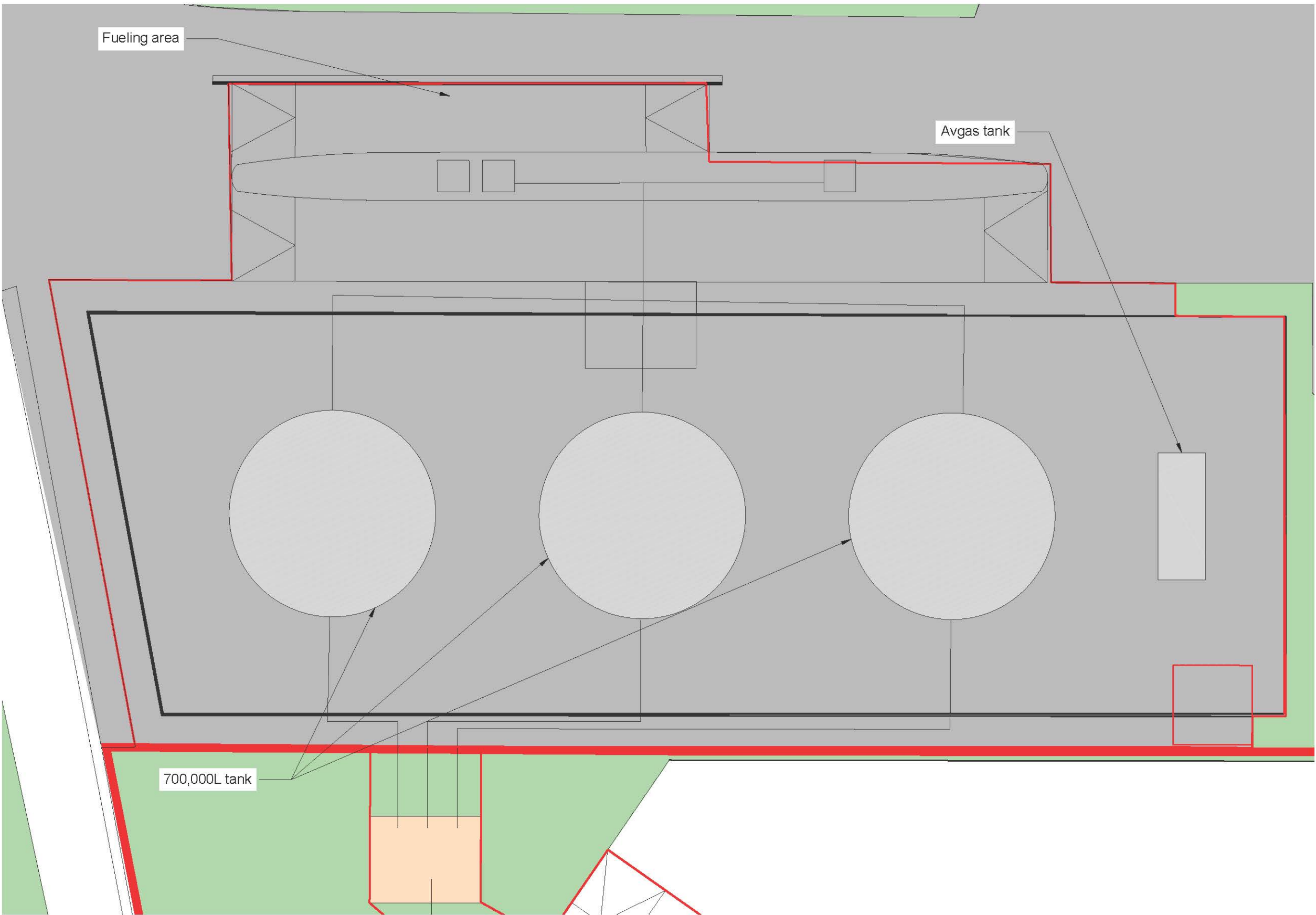
Slot drain  
Scale 1:10



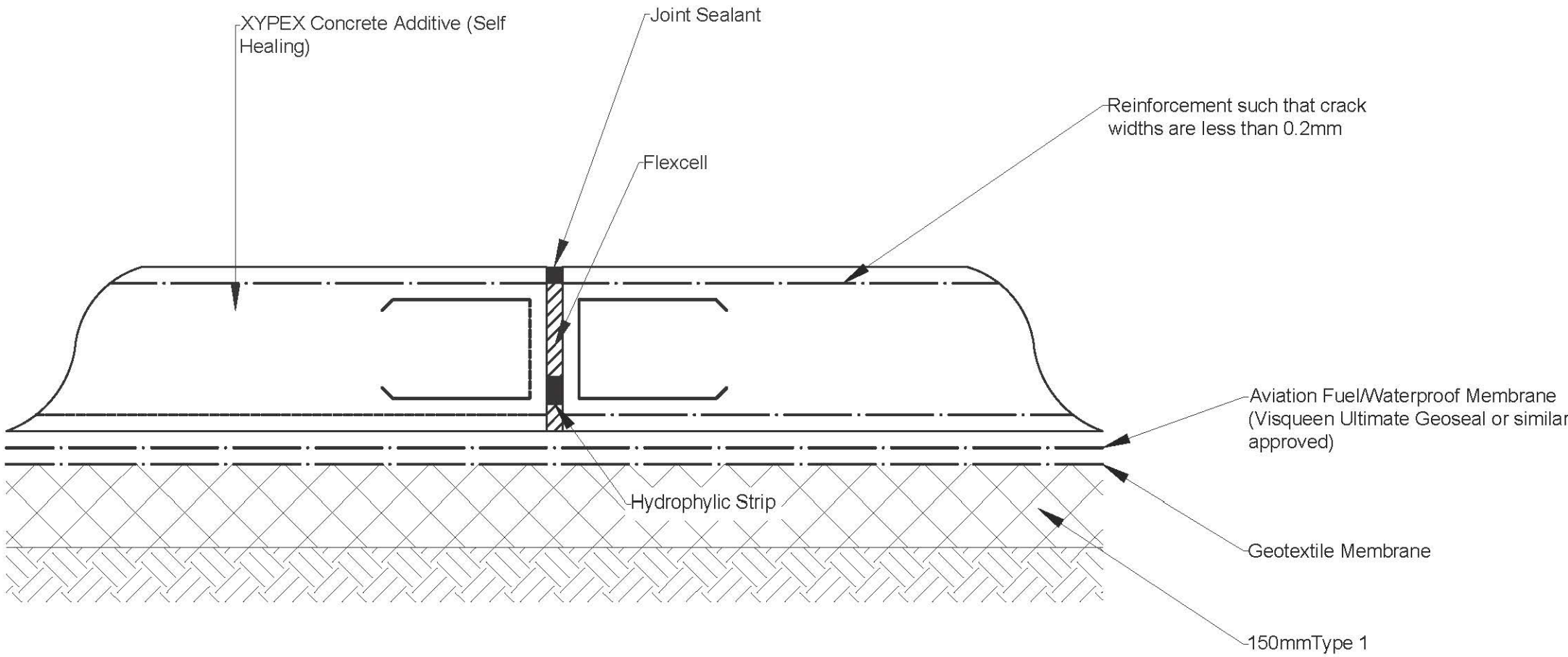
Bund edge detail  
Scale 1:20



Tank Base  
Scale 1:20



GA of Fuel Form Tanks and Bund  
Scale 1:250



Joint Detail  
Scale 1:10

Notes

- OS Data obtained from emapster<sup>TM</sup> May 2017:  
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Ordnance Survey 0100031673

5m SCALE 1:250

100mm SCALE 1:20

100mm SCALE 1:10

P05	Application Number Added	TAW	CJ	GD	27.03.18
P04	DCO Boundary Updated.	AAG	CJ	GDD	21.03.18
P03	Notes Added To Fuel Form Tank	TAW	CJ	GD	22.02.18
P02	Tank Separation Distances Updated.	TAW	CJ	GD	06.10.17
P01	First Issue.	KA	CJ	CJ	03.10.17
Rev	Description.	By	Ckd	Apr	Date

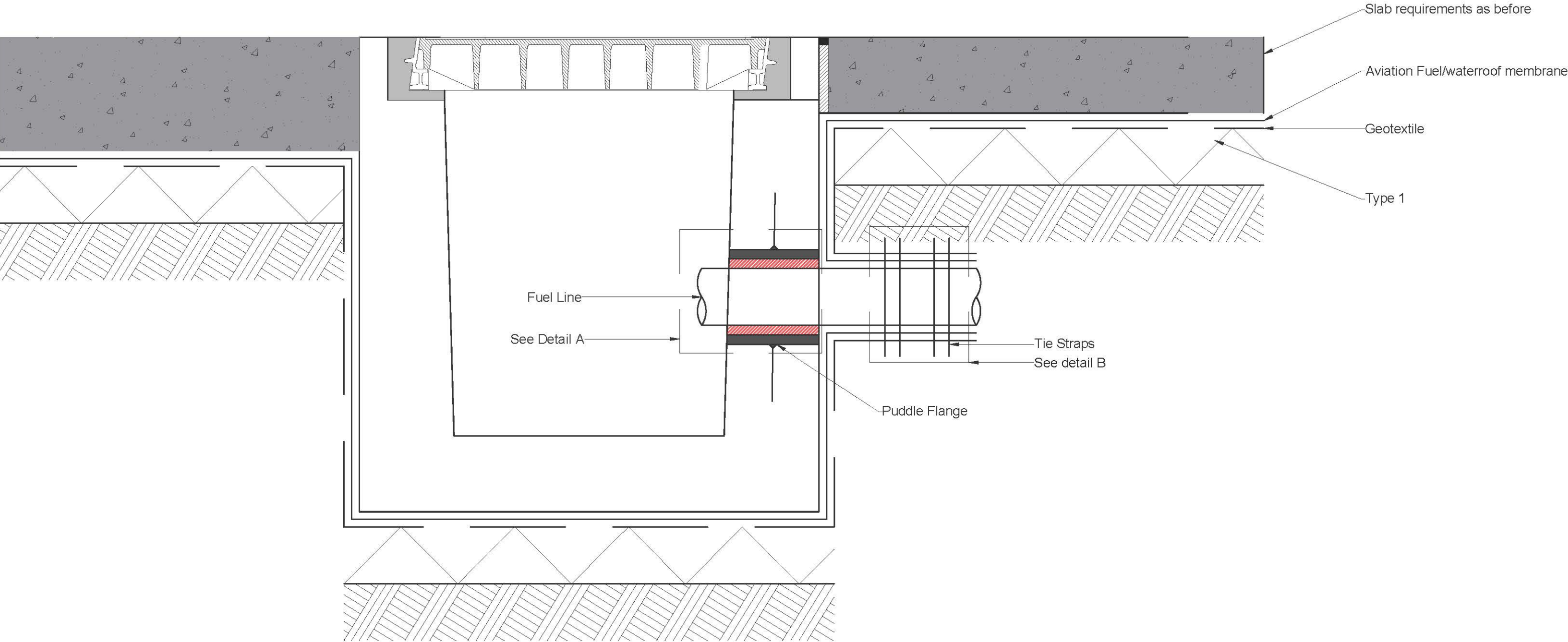
Project MANSTON AIRPORT  
DEVELOPMENT CONSENT ORDER

Title ENGINEERING DRAWINGS  
AND SECTIONS - FUEL  
FARM DESIGN DETAILS  
SHEET 1 OF 2  
REGULATIONS 5(2)(o)  
THANET DISTRICT COUNCIL

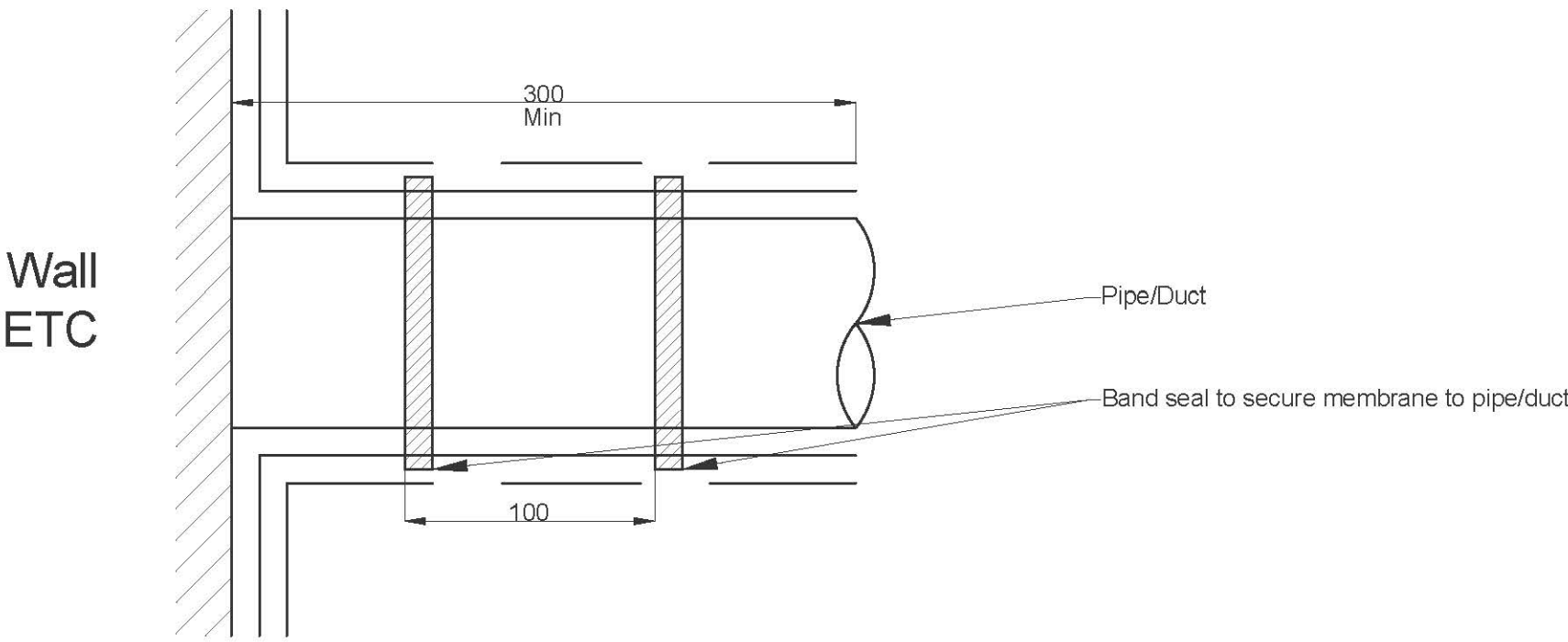
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Project Number	Originator - Zone - Level - Type - Role - Drawing Number		
Application Number - TR20002			
Scale	Sheet Size	Sheet No	Status
As Shown	A1	1 of 2	S. 56



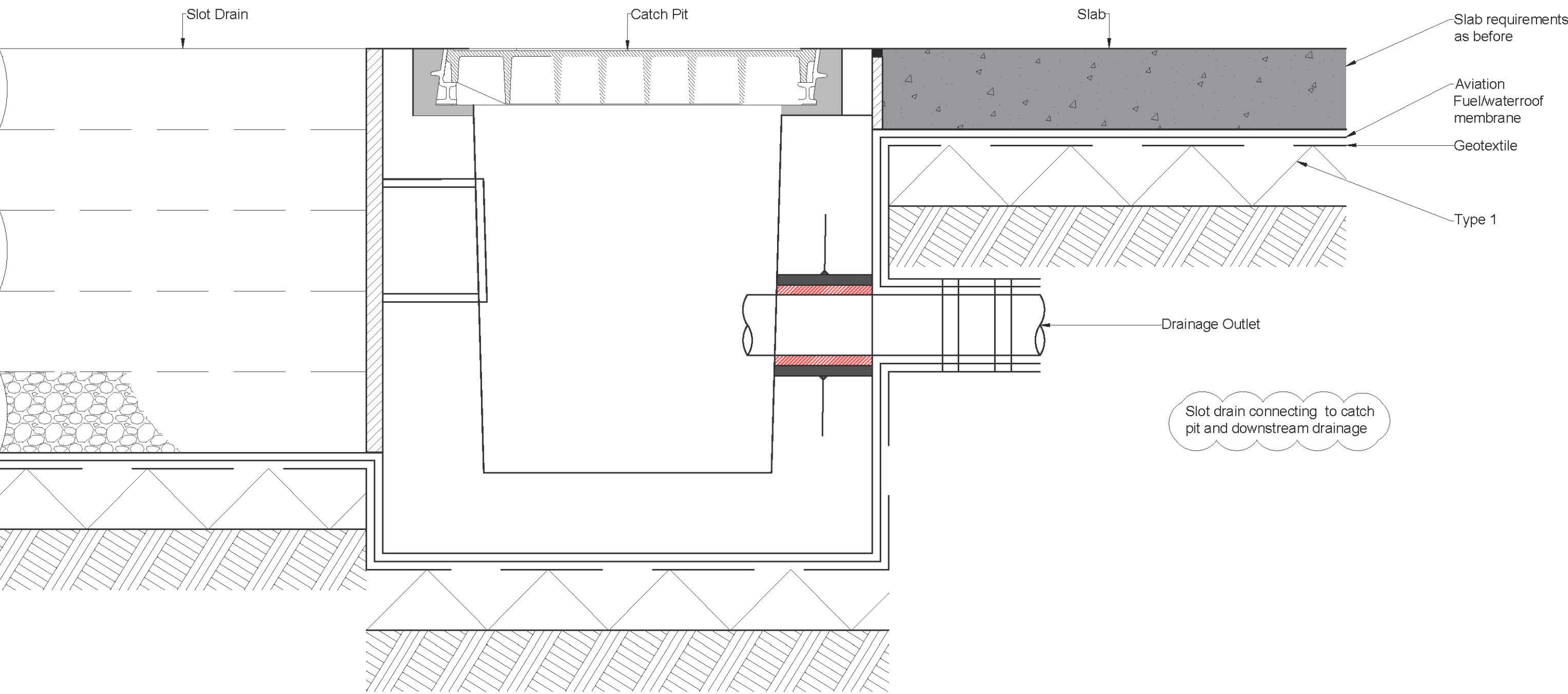
MANSTON AIRPORT DEVELOPMENT CONSENT ORDER  
ENGINEERING DRAWINGS AND SECTIONS - FUEL FARM DESIGN DETAILS SHEET 2 OF 2  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL



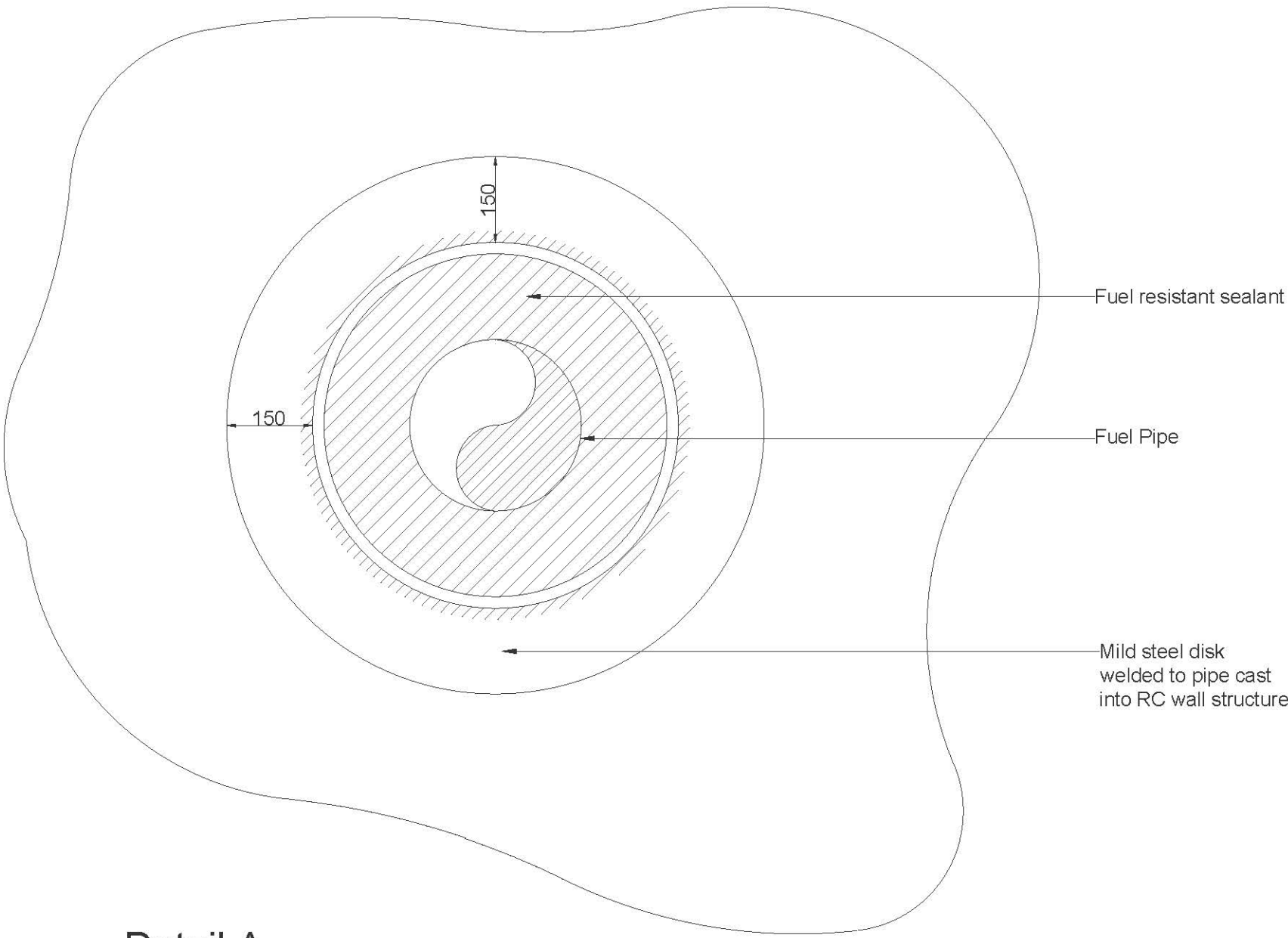
Fuel Line Pit  
Scale 1:10



Detail B  
Scale 1:5



Catchpit  
Scale 1:10



Detail A  
Scale 1:10

Notes

1. OS Data obtained from emapster<sup>TM</sup> May 2017:  
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Ordnance Survey 0100031673

100mm SCALE 1:5

100mm SCALE 1:10

P05	Section Title Changed	KA	CJ	GDD	27.03.18
P04	Application number added.	SO	CJ	GDD	23.03.18
P03	DCO Boundary Updated.	AAG	CJ	GDD	21.03.18
P02	Title Amended.	TAW	CJ	GD	22.02.18
P01	First Issue.	KA	CJ	CJ	05.10.17
Rev	Description.	By	Ckd	Apr	Date

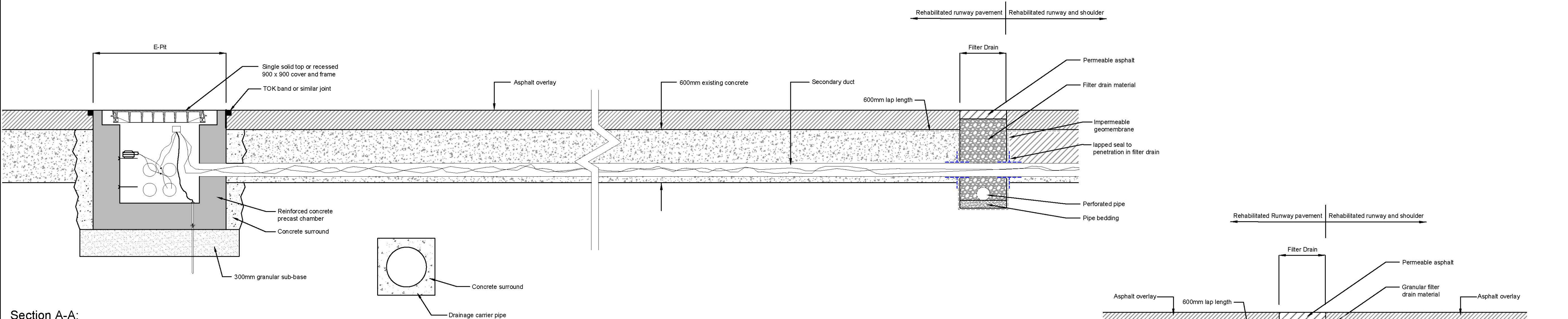
Project MANSTON AIRPORT  
DEVELOPMENT CONSENT ORDER

Title ENGINEERING DRAWINGS  
AND SECTIONS - FUEL  
FARM DESIGN DETAILS  
SHEET 2 OF 2  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL

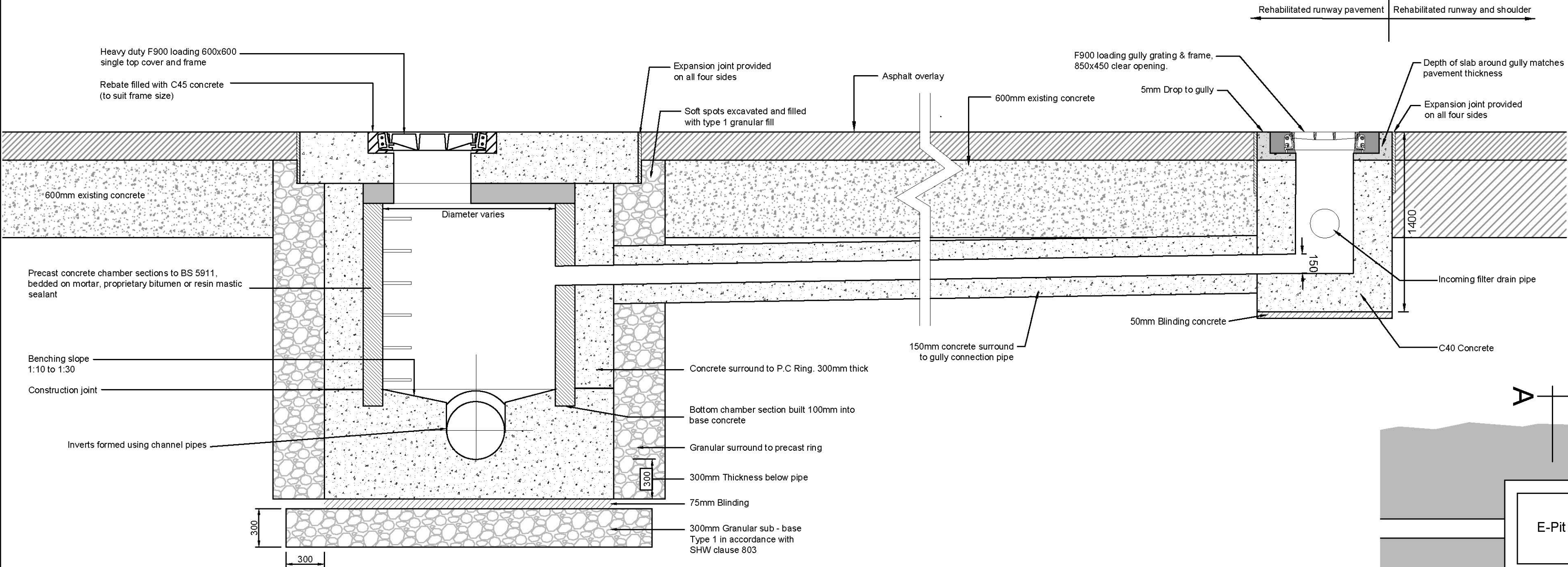
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NK018417 - RPS-MSE-XX-DR-C-2094		P05	
Project Number	Originator - Zone - Level - Type - Role - Drawing Number		
Application Number - TR020002			
Scale	Sheet Size	Sheet No	Status
As Shown	A1	2 of 2	Preliminary



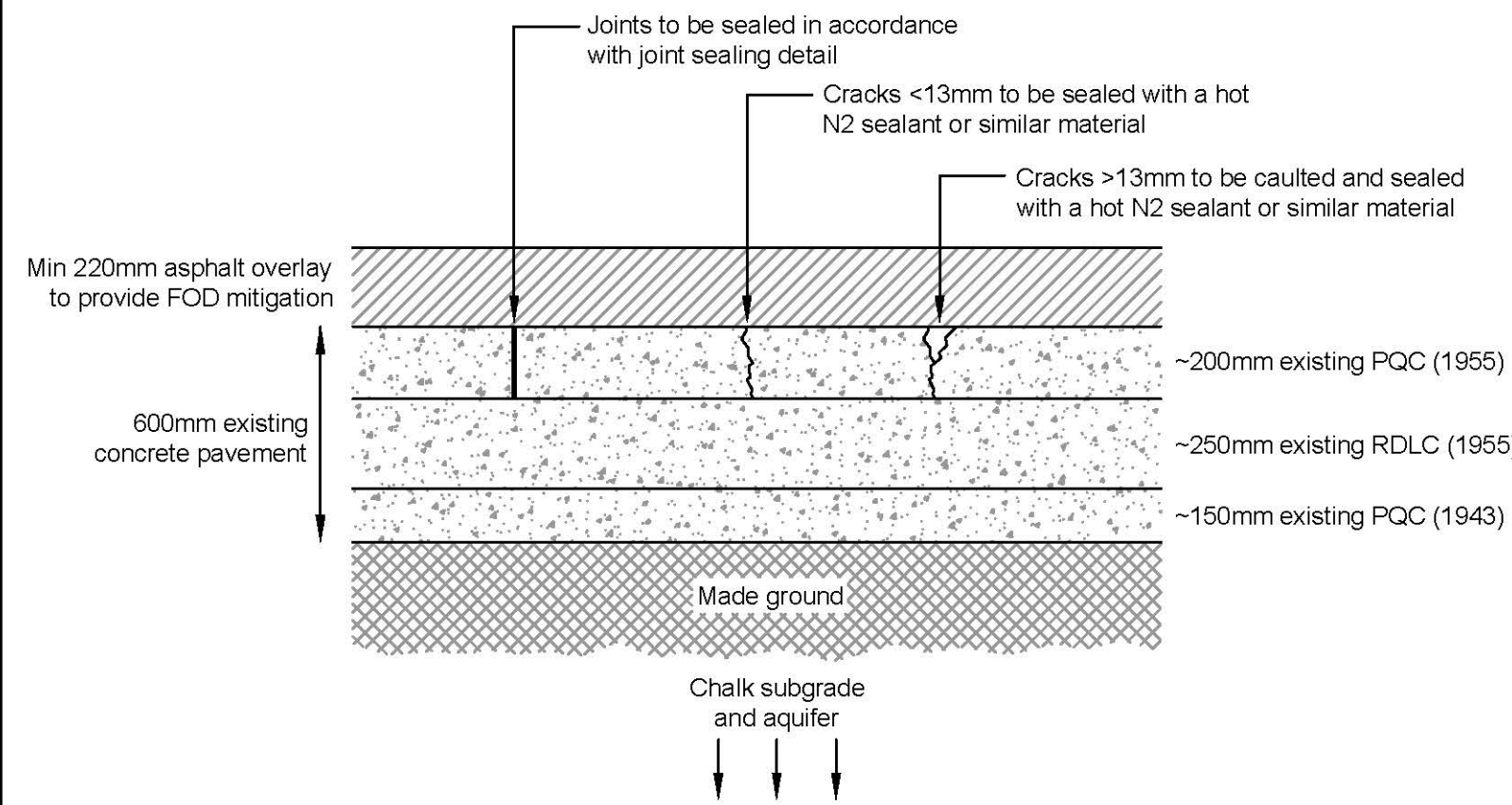
MANSTON AIRPORT DEVELOPMENT CONSENT ORDER  
ENGINEERING DRAWINGS AND SECTIONS - DRAINAGE PENETRATION IN EXISTING PAVEMENT  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL



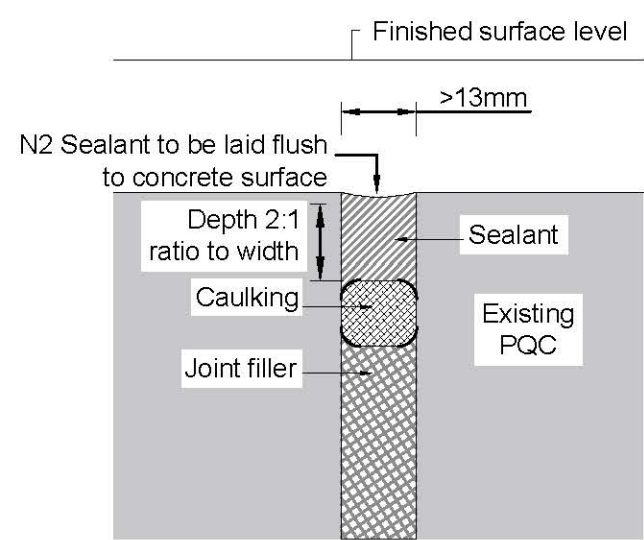
Section A-A:  
Typical Section Through Electrical Pit and Filter Drain  
Scale 1:25



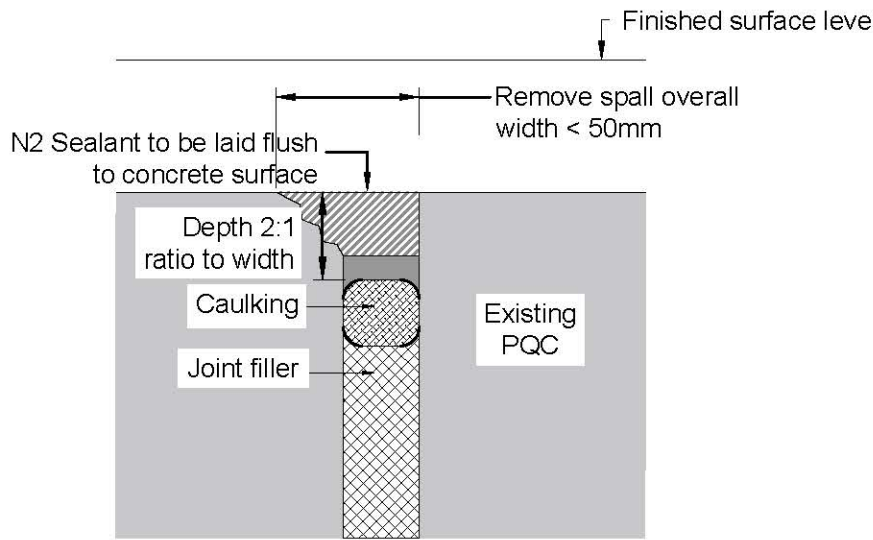
Section B-B:  
Typical Section through Manhole and Gully  
Scale 1:25



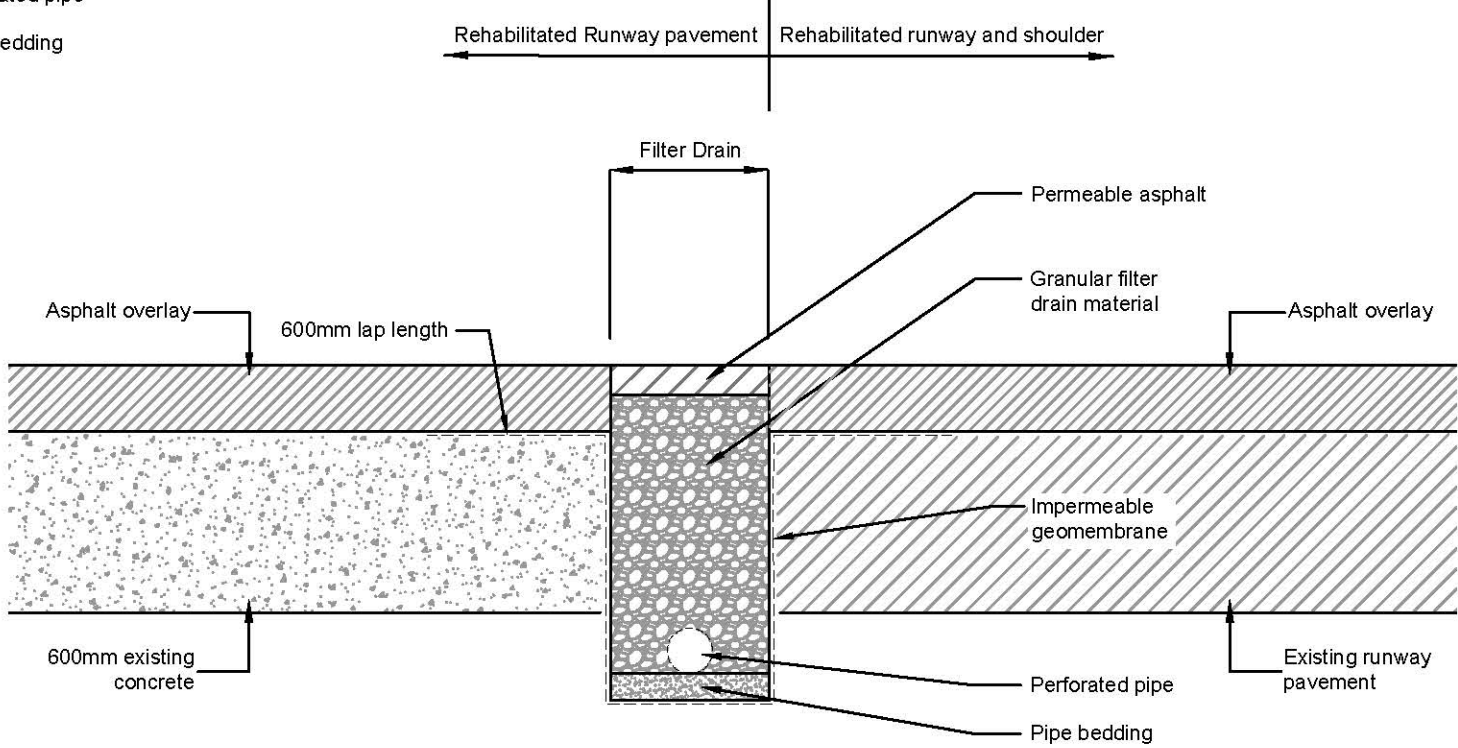
Repairs to Redundant Runway Pavement  
Scale 1:20



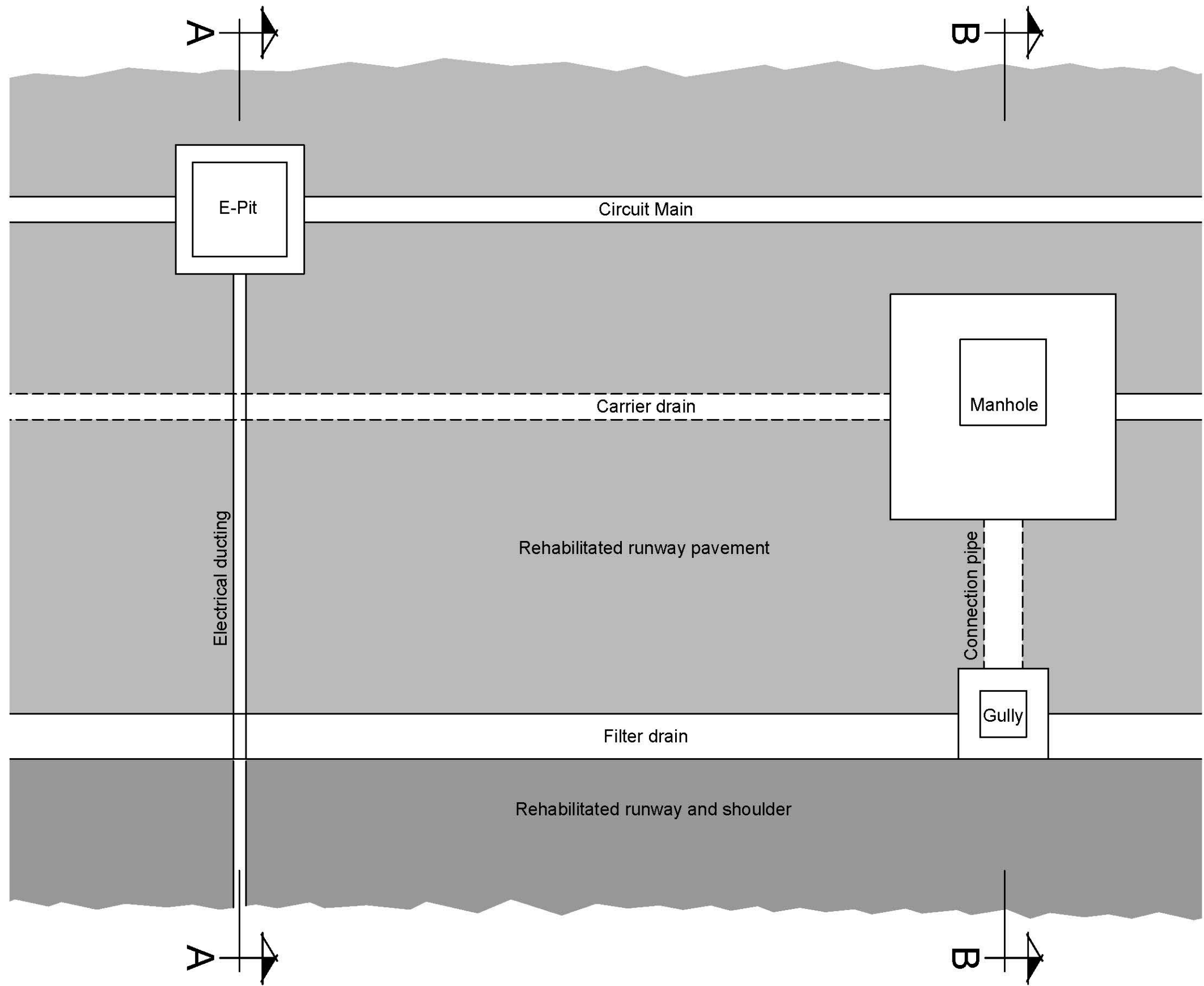
Joint Sealing Detail 1  
Scale 1:2



Joint Sealing Detail 2  
(Only Where Joint Groove Voided)  
Scale 1:2



Typical Section through Filter Drain  
Scale 1:25



Plan showing Typical Drainage/Ducting Layout  
Scale 1:500

P04	Application number added.	SO	CJ	GDD	23.03.18
P03	DCO Boundary Updated.	AAG	CJ	GDD	21.03.18
P02	Title Amended.	TAW	CJ	GD	22.02.18
P01	First Issue.	SW	CJ	CJ	15.11.17
Rev	Description.	By	Ckd	Apr	Date

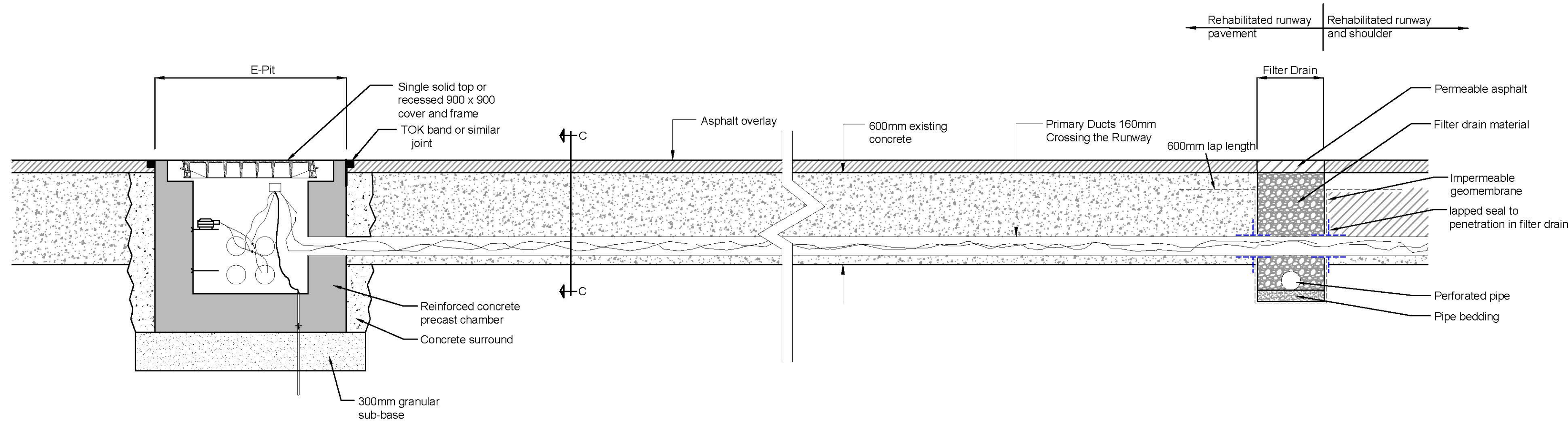
Project MANSTON AIRPORT  
DEVELOPMENT CONSENT ORDER

Title ENGINEERING DRAWINGS  
AND SECTIONS - RUNWAY  
AGL AND DRAINAGE  
PENETRATION IN EXISTING  
PAVEMENT REGULATION  
5(2)(o)  
THANET DISTRICT COUNCIL

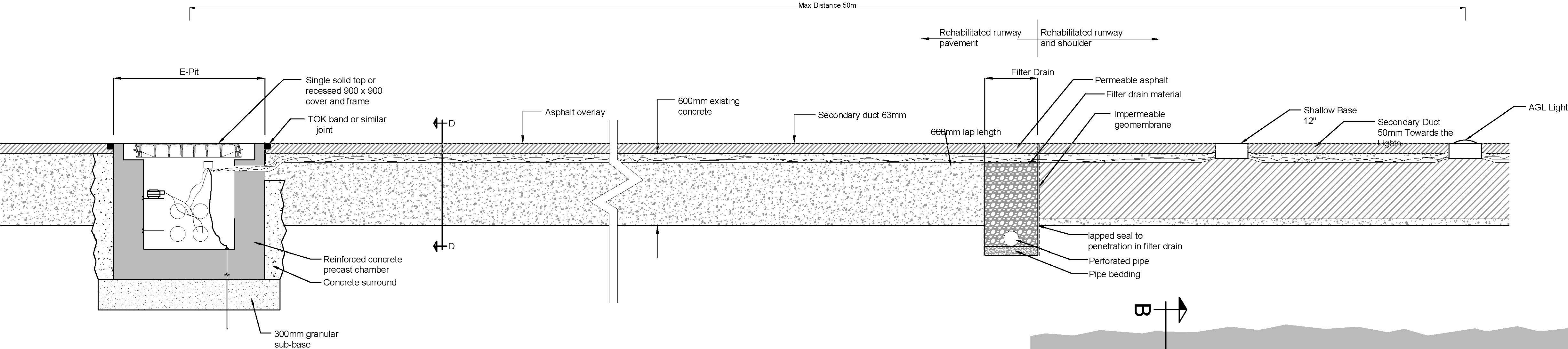
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Project Number	Originator - Zone - Level - Type - Role - Drawing Number		
Application Number - TR020002			
Scale	Sheet Size	Sheet No	Status
SHOWN	A1	1 of 1	S. 56



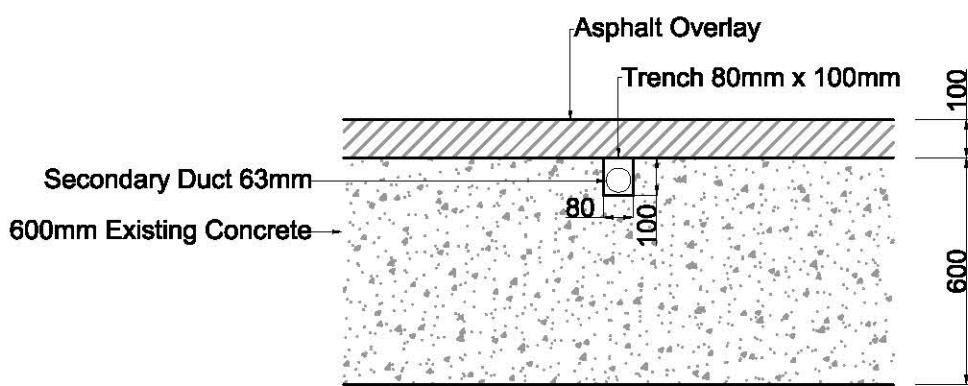
MANSTON AIRPORT DEVELOPMENT CONSENT ORDER  
ENGINEERING DRAWINGS AND SECTIONS - RUNWAY AGL PENETRATION IN EXISTING PAVEMENT  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL



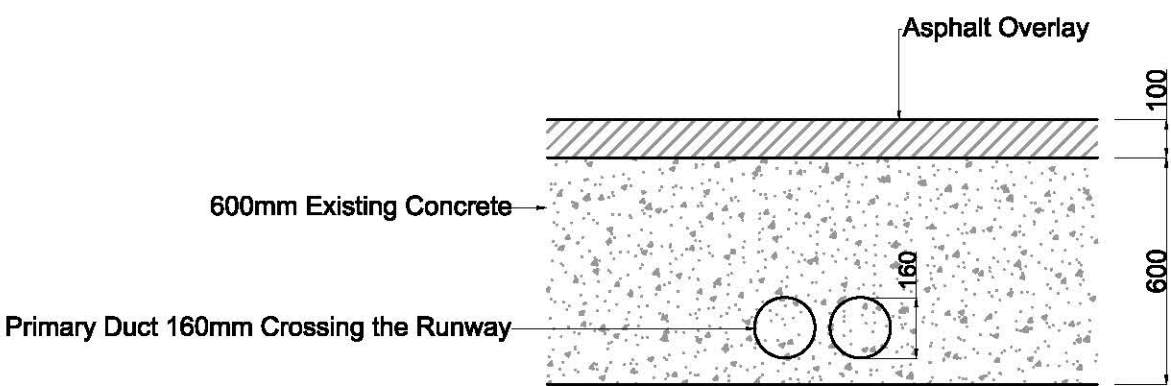
Section A-A:  
Typical Section Through Electrical Pits for Primary AGL  
Ducts Crossing the Runway.  
Scale 1:25



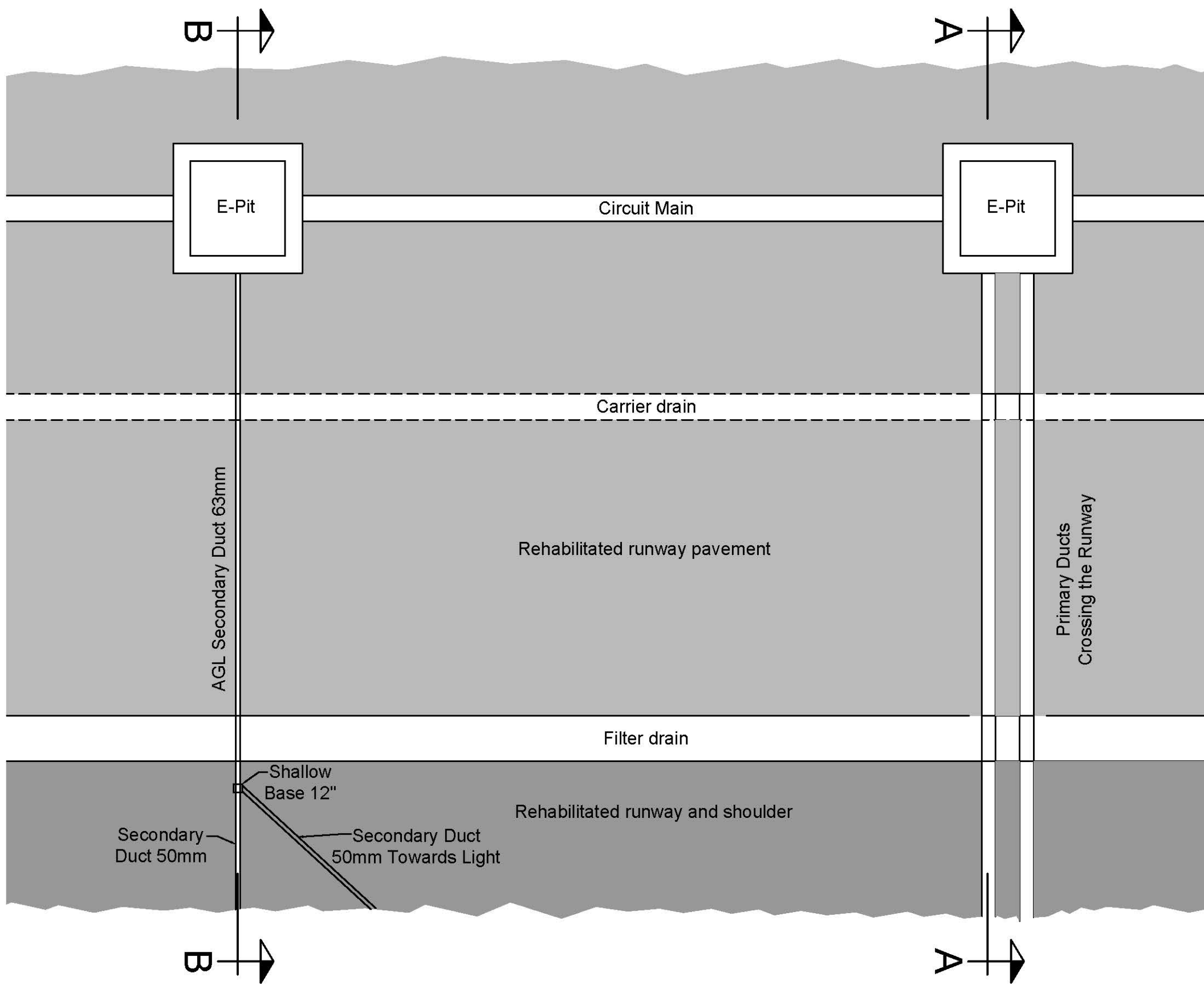
Section B-B:  
Typical Section Through Electrical AGL Pit and AGL  
Secondary Ducts.  
Scale 1:25



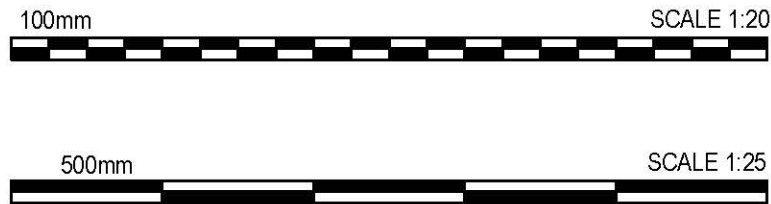
Section D-D:  
Typical Section Through  
AGL Secondary Ducts.  
Scale 1:20



Section C-C:  
Typical Section Through Electrical  
AGL Ducts Crossing the Runway.  
Scale 1:20



Plan showing Typical AGL Ducting Layout  
Scale 1:500



P04	Application number added.	SO	CJ	GDD	23.03.18
P03	DCO Boundary Updated.	AGG	CJ	GDD	21.03.18
P02	Title Amended.	TAW	CJ	GD	22.02.18
P01	First Issue.	KA	MD	CJ	21.11.17
Rev	Description.	By	Ckd	Apr	Date

Project MANSTON AIRPORT  
DEVELOPMENT CONSENT ORDER

Title ENGINEERING DRAWINGS  
AND SECTIONS - RUNWAY  
AGL  
PENETRATION IN  
EXISTING PAVEMENT  
REGULATION 5(2)(o)  
THANET DISTRICT COUNCIL

Document Number		Revision	
NK018417 - RPS-MSE-XX-DR-C-2096		P04	
Project Number	Originator - Zone - Level - Type - Role - Drawing Number		
Application Number - TR020002			
Scale	Sheet Size	Sheet No	Status
SHOWN	A1	1 of 1	S. 56







