Project:	Date:		
ADMIRAL	10/06/2025		
	Designed by:	Checked by:	Approved By:
	TG & JH	DML	DML
Report Details:	Company::		
Type: Junctions Storm Phase: D16 Phase	Lally Chartered Engineers		

Name	Junction Type	Easting (m)	Northing (m)	Cover Elevation (m)	Depth (m)	Invert Elevation (m)	Chamber Shape	Diameter (m)
MH7.2	Manhole	645310.098	738865.983	95.500	1.834	93.666	Circular	1.200
MH7.3	Manhole	645285.252	738859.378	95.500	1.963	93.537	Circular	1.200
MH7.5	Manhole	645274.555	738856.313	94.800	1.319	93.481	Circular	1.500
MH7.4	Manhole	645266.623	738925.848	95.500	1.503	93.997	Circular	1.200
MH7.1	Manhole	645291.154	738930.126	95.500	1.500	94.000	Circular	1.200
MH7.6	Manhole	645262.706	738845.694	94.800	1.348	93.452	Circular	1.200

Name	Lock
MH7.2	None
MH7.3	None
MH7.5	None
MH7.4	None
MH7.1	None
MH7.6	None

Inlets

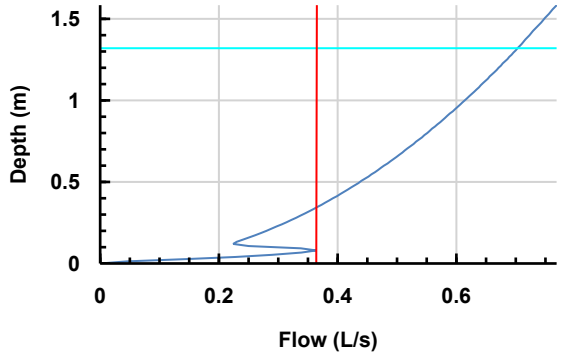
Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
MH7.2	Inlet	Catchment Area (23) P7.1.000	(None)	No Restriction
	Inlet (1)	Catchment Area (22)	(None)	No Restriction
MH7.3	Inlet	Catchment Area (25) P7.1.001 Catchment Area (18)	(None)	No Restriction
	Inlet (1)	P7.2.000 Catchment Area (24)	(None)	No Restriction
	Inlet (2)	Catchment Area (11)	(None)	No Restriction
	Inlet (3)	Catchment Area (12) Catchment Area (27)	(None)	No Restriction
	Inlet (4)	Catchment Area (26)	(None)	No Restriction
MH7.5	Inlet (1)	P7.1.002	(None)	No Restriction
MH7.4	Inlet	Catchment Area (19)	(None)	No Restriction
	Inlet (2)	Catchment Area (41)	(None)	No Restriction
MH7.1	Inlet	Catchment Area (20)	(None)	No Restriction
	Inlet (1)	Catchment Area (10)	(None)	No Restriction
	Inlet (2)	Catchment Area (21)	(None)	No Restriction
MH7.6	Inlet (1)	P7.1.004	(None)	No Restriction

Project:	Date:		
ADMIRAL	10/06/2025		
	Designed by:	Checked by:	Approved By:
	TG & JH	DML	DML
Report Details:	Company::		
Type: Junctions Storm Phase: D16 Phase	Lally Chartered Engineers		

Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
MH7.2	Outlet	P7.1.001	Free Discharge
MH7.3	Outlet	P7.1.002	Free Discharge
MH7.5	Outlet	P7.1.003	Free Discharge
MH7.4	Outlet	P7.2.000	Free Discharge
MH7.1	Outlet	P7.1.000	Free Discharge
MH7.6	Outlet	(None)	Hydro-Brake®

Invert Elevation (m)	93.452
Design Depth (m)	1.320
Design Flow (L/s)	0.7
Objective	Minimize Upstream Storage Requirements
Application	Surface Water Only
Sump Available	☐
Unit Reference	CHE-0035-7000-1320-7000



Project:	Date:		
ADMIRAL	10/06/2025		
	Designed by:	Checked by:	Approved By:
	TG & JH	DML	DML
Report Details:	Company::		
Type: Stormwater Controls Storm Phase: D16 Phase	Lally Chartered Engineers		

Cellular Storage (2)

Type : Cellular Storage

Dimensions

Exceedance Elevation (m)	94.500
Depth (m)	1.000
Base Elevation (m)	93.452
Number of Crates Long	12
Number of Crates Wide	13
Number of Crates High	1
Porosity (%)	96
Crate Length (m)	0.8
Crate Width (m)	0.8
Crate Height (m)	1
Total Volume (m³)	95.894

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	P7.1.003
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet (1)

Outgoing Connection	P7.1.004
Outlet Type	Orifice

Diameter (m)	0.150
Coefficient of Discharge	0.600
Invert Elevation (m)	93.452

Project:	Date:		
ADMIRAL	10/06/2025		
	Designed by:	Checked by:	Approved By:
	TG & JH	DML	DML
Report Details:	Company::		
Type: Connections Storm Phase: D16 Phase	Lally Chartered Engineers		

Name	Length (m)	Connection Type	Slope (1:x)	Manning's n	Colebrook-White Roughness (mm)	Diameter / Base Width (mm)	Upstream Cover Elevation (m)	Upstream Invert Elevation (m)
P7.2.000	69.032	Pipe	150.084		0.6	225	95.500	93.997
P7.1.000	66.882	Pipe	200.000		0.6	300	95.500	94.000
P7.1.001	25.709	Pipe	200.000		0.6	300	95.500	93.666
P7.1.002	11.128	Pipe	198.547		0.6	300	95.500	93.537
P7.1.003	5.749	Pipe	200.000		0.6	375	94.800	93.481
P7.1.004	5.626	No Delay						

Name	Downstream Cover Elevation (m)	Downstream Invert Elevation (m)	Part Family	Lock	Flow Restriction (L/s)	Culvert Type	Culvert Entrance
P7.2.000	95.500	93.537		None		(None)	(None)
P7.1.000	95.500	93.666		None		(None)	(None)
P7.1.001	95.500	93.537		None		(None)	(None)
P7.1.002	94.800	93.481		None		(None)	(None)
P7.1.003	94.500	93.452		Elevations		(None)	(None)
P7.1.004							

Project: ADMIRAL	Date: 10/06/2025		
	Designed by: TG & JH	Checked by: DML	Approved By: DML
Report Details: Type: Manhole Schedule Storm Phase: D16 Phase	Company:: Lally Chartered Engineers		

Name	Cover Elevation (m) Invert Elevation (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
MH7.2	95.500 93.666	Diameter / Length: 1.200	{1} P7.1.000	Pipe	93.666	Diam/Width:300	Manhole
E:645310.098 N:738865.983	1.834		{a} P7.1.001	Pipe	93.666	Diam/Width:300	Not Applicable
MH7.3	95.500 93.537	Diameter / Length: 1.200	{1} P7.1.001	Pipe	93.537	Diam/Width:300	Manhole
E:645285.252 N:738859.378	1.963		{2} P7.2.000	Pipe	93.537	Diam/Width:225	
			{a} P7.1.002	Pipe	93.537	Diam/Width:300	Not Applicable
MH7.5	94.800 93.481	Diameter / Length: 1.500	{1} P7.1.002	Pipe	93.481	Diam/Width:300	Manhole
E:645274.555 N:738856.313	1.319		{a} P7.1.003	Pipe	93.481	Diam/Width:375	Not Applicable
MH7.4	95.500 93.997	Diameter / Length: 1.200					Manhole
E:645266.623 N:738925.848	1.503		{a} P7.2.000	Pipe	93.997	Diam/Width:225	Not Applicable

Project:	Date:		
ADMIRAL	10/06/2025		
	Designed by:	Checked by:	Approved By:
	TG & JH	DML	DML
Report Details:	Company::		
Type: Manhole Schedule Storm Phase: D16 Phase	Lally Chartered Engineers		

Name	Cover Elevation (m) Invert Elevation (m)	Manhole Size (m)	Connection Details				Type
Coordinates (m)	Depth (m)		Incoming Connections	Connection Type	Connection Invert (m)	Connection Size (mm)	Junction Type
			Outgoing Connections				Cover
MH7.1	95.500 94.000	Diameter / Length: 1.200					Manhole
E:645291.154 N:738930.126	1.500		{a} P7.1.000	Pipe	94.000	Diam/Width:300	Not Applicable
MH7.6	94.800 93.452	Diameter / Length: 1.200	{1} P7.1.004	No Delay	Not Applicable	Not Applicable	Manhole
E:645262.706 N:738845.694	1.348						Not Applicable

Project:	Date:		
ADMIRAL	10/06/2025		
	Designed by:	Checked by:	Approved By:
	TG & JH	DML	DML
Report Details:	Company::		
Type: Inflow Summary Storm Phase: D16 Phase	Lally Chartered Engineers		

Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analyzed (ha)
Catchment Area (10)	MH7.1		Time of Concentration	0.044	100	0	100	0.044
Catchment Area (11)	MH7.3		Time of Concentration	0.043	100	0	100	0.043
Catchment Area (12)	MH7.3		Time of Concentration	0.051	100	0	100	0.051
Catchment Area (18)	MH7.3		Time of Concentration	0.002	100	0	100	0.002
Catchment Area (19)	MH7.4		Time of Concentration	0.018	100	0	100	0.018
Catchment Area (20)	MH7.1		Time of Concentration	0.017	100	0	100	0.017
Catchment Area (21)	MH7.1		Time of Concentration	0.009	100	0	100	0.009
Catchment Area (22)	MH7.2		Time of Concentration	0.010	100	0	100	0.010
Catchment Area (23)	MH7.2		Time of Concentration	0.011	100	0	100	0.011
Catchment Area (24)	MH7.3		Time of Concentration	0.010	100	0	100	0.010
Catchment Area (25)	MH7.3		Time of Concentration	0.012	100	0	100	0.012
Catchment Area (26)	MH7.3		Time of Concentration	0.010	100	0	100	0.010
Catchment Area (27)	MH7.3		Time of Concentration	0.009	100	0	100	0.009
Catchment Area (41)	MH7.4		Time of Concentration	0.014	100	0	100	0.014
TOTAL		**0.0**		**0.260**				**0.260**

Project:	Date:		
ADMIRAL	10/06/2025		
	Designed by:	Checked by:	Approved By:
	TG & JH	DML	DML
Report Details:	Company::		
Type: Outfall Details Storm Phase: D16 Phase	Lally Chartered Engineers		

Outfalls

Outfall	Outfall Type	Gated	Fixed Surcharged Elevation (m)	Elevation Curve
MH7.6	Free Discharge			

Project:	Date:		
ADMIRAL	10/06/2025		
	Designed by:	Checked by:	Approved By:
	TG & JH	DML	DML
Report Title:	Company::		
Rainfall Analysis Criteria	Lally Chartered Engineers		

Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Default
Urban Creep	Apply Global Value
Urban Creep Global Value (%)	0
Junction Flood Risk Margin (mm)	300
Perform No Discharge Analysis	☐

Rainfall TG: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
Catchment Area (10)	Rainfall TG: 1 years: +0 %: 15 mins: Summer	0.04	4.7	2.049
Catchment Area (11)	Rainfall TG: 1 years: +0 %: 15 mins: Summer	0.04	4.5	1.974
Catchment Area (12)	Rainfall TG: 1 years: +0 %: 15 mins: Summer	0.05	5.4	2.354
Catchment Area (18)	Rainfall TG: 1 years: +0 %: 15 mins: Summer	0.00	0.2	0.099
Catchment Area (19)	Rainfall TG: 1 years: +0 %: 15 mins: Summer	0.02	1.9	0.842
Catchment Area (20)	Rainfall TG: 1 years: +0 %: 15 mins: Summer	0.02	1.8	0.776
Catchment Area (21)	Rainfall TG: 1 years: +0 %: 15 mins: Summer	0.01	1.0	0.431
Catchment Area (22)	Rainfall TG: 1 years: +0 %: 15 mins: Summer	0.01	1.1	0.473
Catchment Area (23)	Rainfall TG: 1 years: +0 %: 15 mins: Summer	0.01	1.2	0.524
Catchment Area (24)	Rainfall TG: 1 years: +0 %: 15 mins: Summer	0.01	1.0	0.446
Catchment Area (25)	Rainfall TG: 1 years: +0 %: 15 mins: Summer	0.01	1.3	0.545
Catchment Area (26)	Rainfall TG: 1 years: +0 %: 15 mins: Summer	0.01	1.0	0.449
Catchment Area (27)	Rainfall TG: 1 years: +0 %: 15 mins: Summer	0.01	1.0	0.425
Catchment Area (41)	Rainfall TG: 1 years: +0 %: 15 mins: Summer	0.01	1.5	0.659

Project: ADMIRAL	Date: 10/06/2025		
	Designed by: TG & JH	Checked by: DML	Approved By: DML
Report Details: Type: Inflows Summary Storm Phase: D16 Phase	Company:: Lally Chartered Engineers		

Rainfall TG: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
Catchment Area (10)	Rainfall TG: 30 years: +0 %: 15 mins: Summer	0.04	10.5	4.555
Catchment Area (11)	Rainfall TG: 30 years: +0 %: 15 mins: Summer	0.04	10.1	4.387
Catchment Area (12)	Rainfall TG: 30 years: +0 %: 15 mins: Summer	0.05	12.0	5.226
Catchment Area (18)	Rainfall TG: 30 years: +0 %: 15 mins: Summer	0.00	0.5	0.216
Catchment Area (19)	Rainfall TG: 30 years: +0 %: 15 mins: Summer	0.02	4.3	1.876
Catchment Area (20)	Rainfall TG: 30 years: +0 %: 15 mins: Summer	0.02	4.0	1.717
Catchment Area (21)	Rainfall TG: 30 years: +0 %: 15 mins: Summer	0.01	2.2	0.968
Catchment Area (22)	Rainfall TG: 30 years: +0 %: 15 mins: Summer	0.01	2.4	1.052
Catchment Area (23)	Rainfall TG: 30 years: +0 %: 15 mins: Summer	0.01	2.7	1.163
Catchment Area (24)	Rainfall TG: 30 years: +0 %: 15 mins: Summer	0.01	2.3	0.989
Catchment Area (25)	Rainfall TG: 30 years: +0 %: 15 mins: Summer	0.01	2.8	1.208
Catchment Area (26)	Rainfall TG: 30 years: +0 %: 15 mins: Summer	0.01	2.3	1.001
Catchment Area (27)	Rainfall TG: 30 years: +0 %: 15 mins: Summer	0.01	2.2	0.944
Catchment Area (41)	Rainfall TG: 30 years: +0 %: 15 mins: Summer	0.01	3.4	1.462

Rainfall TG: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Inflow

Inflow	Storm Event	Inflow Area (ha)	Max. Inflow (L/s)	Total Inflow Volume (m^3)
Catchment Area (10)	Rainfall TG: 100 years: +20 %: 15 mins: Summer	0.04	16.3	7.079
Catchment Area (11)	Rainfall TG: 100 years: +20 %: 15 mins: Summer	0.04	15.7	6.824
Catchment Area (12)	Rainfall TG: 100 years: +20 %: 15 mins: Summer	0.05	18.7	8.128
Catchment Area (18)	Rainfall TG: 100 years: +20 %: 15 mins: Summer	0.00	0.8	0.336
Catchment Area (19)	Rainfall TG: 100 years: +20 %: 15 mins: Summer	0.02	6.7	2.922
Catchment Area (20)	Rainfall TG: 100 years: +20 %: 15 mins: Summer	0.02	6.1	2.670
Catchment Area (21)	Rainfall TG: 100 years: +20 %: 15 mins: Summer	0.01	3.5	1.502
Catchment Area (22)	Rainfall TG: 100 years: +20 %: 15 mins: Summer	0.01	3.8	1.639
Catchment Area (23)	Rainfall TG: 100 years: +20 %: 15 mins: Summer	0.01	4.2	1.807
Catchment Area (24)	Rainfall TG: 100 years: +20 %: 15 mins: Summer	0.01	3.5	1.538
Catchment Area (25)	Rainfall TG: 100 years: +20 %: 15 mins: Summer	0.01	4.3	1.876
Catchment Area (26)	Rainfall TG: 100 years: +20 %: 15 mins: Summer	0.01	3.6	1.561
Catchment Area (27)	Rainfall TG: 100 years: +20 %: 15 mins: Summer	0.01	3.4	1.469
Catchment Area (41)	Rainfall TG: 100 years: +20 %: 15 mins: Summer	0.01	5.2	2.278

Project: ADMIRAL	Date: 10/06/2025		
	Designed by: TG & JH	Checked by: DML	Approved By: DML
Report Details: Type: Junctions Summary Storm Phase: D16 Phase	Company:: Lally Chartered Engineers		

Rainfall TG: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Elevation (m)	Invert Elevation (m)	Max. Elevation (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
MH7.2	Rainfall TG: 1 years: +0 %: 960 mins: Winter	95.500	93.666	93.747	0.081	0.7	0.092	0.000	0.7	17.055	OK
MH7.3	Rainfall TG: 1 years: +0 %: 960 mins: Winter	95.500	93.537	93.748	0.211	2.1	0.238	0.000	1.9	48.281	OK
MH7.5	Rainfall TG: 1 years: +0 %: 1440 mins: Summer	94.800	93.481	93.748	0.267	2.2	0.471	0.000	2.1	53.666	OK
MH7.4	Rainfall TG: 1 years: +0 %: 15 mins: Summer	95.500	93.997	94.036	0.039	3.5	0.044	0.000	3.0	1.495	OK
MH7.1	Rainfall TG: 1 years: +0 %: 15 mins: Summer	95.500	94.000	94.060	0.060	7.5	0.068	0.000	6.7	3.262	OK
MH7.6	Rainfall TG: 1 years: +0 %: 1440 mins: Summer	94.800	93.452	93.757	0.305	2.4	0.345	0.000	0.4	45.046	OK

Project: ADMIRAL	Date: 10/06/2025		
	Designed by: TG & JH	Checked by: DML	Approved By: DML
Report Details: Type: Junctions Summary Storm Phase: D16 Phase	Company:: Lally Chartered Engineers		

Rainfall TG: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Elevation (m)	Invert Elevation (m)	Max. Elevation (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
MH7.2	Rainfall TG: 30 years: +0 %: 1440 mins: Summer	95.500	93.666	94.067	0.401	3.2	0.454	0.000	2.5	42.594	Surcharged
MH7.3	Rainfall TG: 30 years: +0 %: 960 mins: Summer	95.500	93.537	94.153	0.616	15.5	0.696	0.000	16.6	108.306	Surcharged
MH7.5	Rainfall TG: 30 years: +0 %: 480 mins: Summer	94.800	93.481	94.089	0.608	11.0	1.075	0.000	22.1	89.715	Surcharged
MH7.4	Rainfall TG: 30 years: +0 %: 1440 mins: Summer	95.500	93.997	94.072	0.075	1.3	0.085	0.000	1.0	14.182	OK
MH7.1	Rainfall TG: 30 years: +0 %: 15 mins: Summer	95.500	94.000	94.092	0.092	16.6	0.104	0.000	15.2	7.250	OK
MH7.6	Rainfall TG: 30 years: +0 %: 1440 mins: Summer	94.800	93.452	94.067	0.615	2.5	0.695	0.000	0.5	64.231	OK

Project: ADMIRAL	Date: 10/06/2025		
	Designed by: TG & JH	Checked by: DML	Approved By: DML
Report Details: Type: Junctions Summary Storm Phase: D16 Phase	Company:: Lally Chartered Engineers		

Rainfall TG: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Depth

Junction	Storm Event	Cover Elevation (m)	Invert Elevation (m)	Max. Elevation (m)	Max. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Status
MH7.2	Rainfall TG: 100 years: +20 %: 960 mins: Summer	95.500	93.666	94.424	0.759	7.0	0.858	0.000	7.0	48.372	Surcharged
MH7.3	Rainfall TG: 100 years: +20 %: 960 mins: Summer	95.500	93.537	94.424	0.887	15.5	1.004	0.000	18.1	154.192	Surcharged
MH7.5	Rainfall TG: 100 years: +20 %: 1440 mins: Summer	94.800	93.481	94.451	0.970	37.3	1.714	0.000	46.0	179.209	Surcharged
MH7.4	Rainfall TG: 100 years: +20 %: 960 mins: Summer	95.500	93.997	94.424	0.427	2.4	0.483	0.000	2.1	18.650	Surcharged
MH7.1	Rainfall TG: 100 years: +20 %: 960 mins: Summer	95.500	94.000	94.424	0.424	2.6	0.480	0.000	2.7	39.716	Surcharged
MH7.6	Rainfall TG: 100 years: +20 %: 960 mins: Summer	94.800	93.452	94.422	0.970	2.3	1.097	0.000	0.6	55.989	OK

Project: ADMIRAL	Date: 10/06/2025		
	Designed by: TG & JH	Checked by: DML	Approved By: DML
Report Details: Type: Stormwater Controls Summary Storm Phase: D16 Phase	Company:: Lally Chartered Engineers		

Rainfall TG: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Elevation (m)	Max. DS Elevation (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Cellular Storage (2)	Rainfall TG: 1 years: +0 %: 1440 mins: Summer	93.747	93.747	0.295	0.295	2.1	28.304	0.000	0.000	2.5	55.952	70.484	OK

Project: ADMIRAL	Date: 10/06/2025		
	Designed by: TG & JH	Checked by: DML	Approved By: DML
Report Details: Type: Stormwater Controls Summary Storm Phase: D16 Phase	Company:: Lally Chartered Engineers		

Rainfall TG: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Elevation (m)	Max. DS Elevation (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Cellular Storage (2)	Rainfall TG: 30 years: +0 %: 1440 mins: Summer	94.066	94.066	0.614	0.614	17.3	58.877	0.000	0.000	2.5	120.390	38.602	OK

Project: ADMIRAL	Date: 10/06/2025		
	Designed by: TG & JH	Checked by: DML	Approved By: DML
Report Details: Type: Stormwater Controls Summary Storm Phase: D16 Phase	Company:: Lally Chartered Engineers		

Rainfall TG: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Avg. Depth

Stormwater Control	Storm Event	Max. US Elevation (m)	Max. DS Elevation (m)	Max. US Depth (m)	Max. DS Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Total Lost Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Percentage Available (%)	Status
Cellular Storage (2)	Rainfall TG: 100 years: +20 %: 960 mins: Summer	94.421	94.421	0.969	0.969	30.6	92.906	0.000	0.000	2.2	112.214	3.117	OK

Project: ADMIRAL	Date: 10/06/2025		
	Designed by: TG & JH	Checked by: DML	Approved By: DML
Report Details: Type: Connections Summary Storm Phase: D16 Phase	Company:: Lally Chartered Engineers		

Rainfall TG: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flow

Connection	Storm Event	Connection Type	From	To	Upstream Cover Elevation (m)	Max. US Water Elevation (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
P7.2.000	Rainfall TG: 1 years: +0 %: 15 mins: Summer	Pipe	MH7.4	MH7.3	95.500	94.036	0.077	1.495	0.2	0.07	3.0	OK
P7.1.000	Rainfall TG: 1 years: +0 %: 15 mins: Summer	Pipe	MH7.1	MH7.2	95.500	94.060	0.061	3.262	0.7	0.09	6.7	OK
P7.1.001	Rainfall TG: 1 years: +0 %: 15 mins: Summer	Pipe	MH7.2	MH7.3	95.500	93.727	0.088	4.209	0.4	0.1	7.5	OK
P7.1.002	Rainfall TG: 1 years: +0 %: 15 mins: Summer	Pipe	MH7.3	MH7.5	95.500	93.652	0.106	11.790	1.0	0.28	21.8	OK
P7.1.003	Rainfall TG: 1 years: +0 %: 15 mins: Summer	Pipe	MH7.5	Cellular Storage (2)	94.800	93.578	0.101	11.499	1.7	0.15	21.0	OK
P7.1.004	Rainfall TG: 1 years: +0 %: 960 mins: Winter	No Delay	Cellular Storage (2)	MH7.6		93.747	0.627	32.135	0.0		2.6	

Project: ADMIRAL	Date: 10/06/2025		
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Report Details: Type: Connections Summary Storm Phase: D16 Phase	Company:: Lally Chartered Engineers		

Rainfall TG: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flow

Connection	Storm Event	Connection Type	From	To	Upstream Cover Elevation (m)	Max. US Water Elevation (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
P7.2.000	Rainfall TG: 30 years: +0 %: 15 mins: Summer	Pipe	MH7.4	MH7.3	95.500	94.057	0.124	3.351	0.3	0.16	6.9	OK
P7.1.000	Rainfall TG: 30 years: +0 %: 15 mins: Summer	Pipe	MH7.1	MH7.2	95.500	94.092	0.094	7.250	0.8	0.19	15.2	OK
P7.1.001	Rainfall TG: 30 years: +0 %: 15 mins: Summer	Pipe	MH7.2	MH7.3	95.500	93.761	0.142	9.261	0.5	0.23	17.9	OK
P7.1.002	Rainfall TG: 30 years: +0 %: 15 mins: Summer	Pipe	MH7.3	MH7.5	95.500	93.725	0.186	24.743	1.2	0.66	51.8	OK
P7.1.003	Rainfall TG: 30 years: +0 %: 15 mins: Summer	Pipe	MH7.5	Cellular Storage (2)	94.800	93.695	0.228	23.894	1.7	0.36	50.5	OK
P7.1.004	Rainfall TG: 30 years: +0 %: 240 mins: Winter	No Delay	Cellular Storage (2)	MH7.6		93.971	0.505	11.497	0.0		3.9	

Project: ADMIRAL	Date: 10/06/2025		
	Designed by: TG & JH	Checked by: DML	Approved By: DML
Report Details: Type: Connections Summary Storm Phase: D16 Phase	Company:: Lally Chartered Engineers		

Rainfall TG: 100 years: Increase Rainfall (%): +20: Critical Storm Per Item: Rank By: Max. Flow

Connection	Storm Event	Connection Type	From	To	Upstream Cover Elevation (m)	Max. US Water Elevation (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
P7.2.000	Rainfall TG: 100 years: +20 %: 15 mins: Summer	Pipe	MH7.4	MH7.3	95.500	94.073	0.163	5.196	0.4	0.26	10.9	OK
P7.1.000	Rainfall TG: 100 years: +20 %: 15 mins: Summer	Pipe	MH7.1	MH7.2	95.500	94.115	0.131	11.334	0.8	0.31	24.3	OK
P7.1.001	Rainfall TG: 100 years: +20 %: 60 mins: Winter	Pipe	MH7.2	MH7.3	95.500	94.014	0.300	20.876	0.4	0.33	25.7	Surcharged
P7.1.002	Rainfall TG: 100 years: +20 %: 15 mins: Summer	Pipe	MH7.3	MH7.5	95.500	93.813	0.300	36.689	1.4	1	78.4	OK
P7.1.003	Rainfall TG: 100 years: +20 %: 15 mins: Summer	Pipe	MH7.5	Cellular Storage (2)	94.800	93.814	0.347	35.406	1.8	0.55	76.9	OK
P7.1.004	Rainfall TG: 100 years: +20 %: 60 mins: Winter	No Delay	Cellular Storage (2)	MH7.6		94.015	0.239	3.440	0.0		3.2	