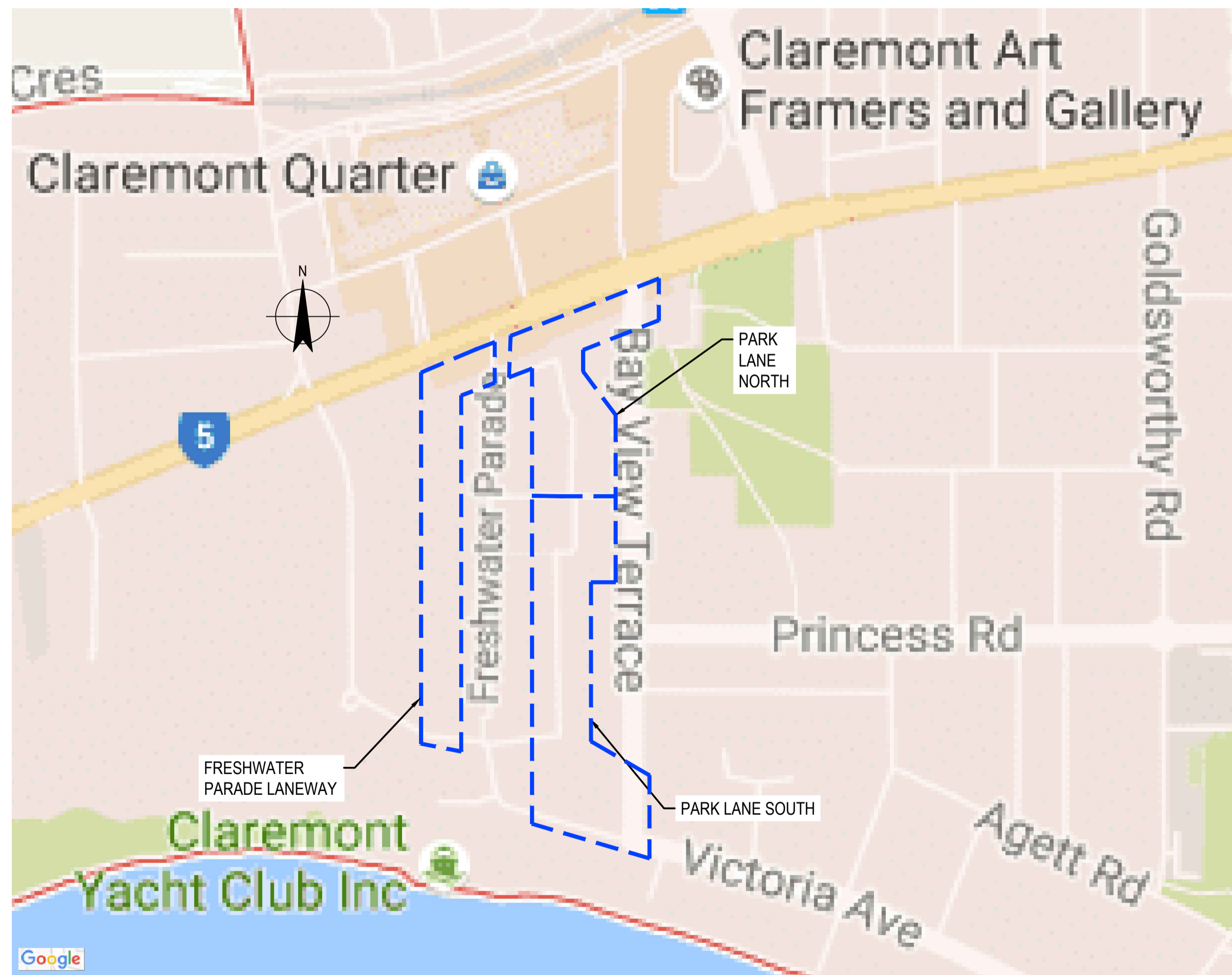




TOWN OF CLAREMONT DRAINAGE IMPROVEMENTS

FRESHWATER PDE & PARK LN (NORTH / SOUTH) LANEWAYS

12578773



LOCALITY PLAN
SCALE N.T.S.

DRAWING LIST

DRG No.	DRAWING TITLE
12578773-G001	COVER SHEET, LOCALITY PLAN AND DRAWING LIST
12575773-G002	DRAINAGE MANAGEMENT PLAN
12578773-G003	DRAINAGE DETAILS, SHEET 1 OF 2
12578773-G004	DRAINAGE DETAILS, SHEET 2 OF 2
FRESHWATER PARADE LANEWAY	
12578773-G102	GENERAL LAYOUT PLAN
12578773-G103	DRAINAGE PLAN AND LONGITUDINAL SECTION, SHEET 1 OF 2
12578773-G104	DRAINAGE PLAN AND LONGITUDINAL SECTION, SHEET 2 OF 2
PARK LANE NORTH	
12578773-G201	GENERAL LAYOUT PLAN
12578773-G202	DRAINAGE PLAN
PARK LANE SOUTH	
12578773-G301	GENERAL LAYOUT PLAN
12578773-G302	DRAINAGE PLAN

Rev	Description	Checked	Approved	Date
A	FOR CLIENT REVIEW	GH	GH	30.09.22

Author: P.FOO Drafting Check
Designer: L.JOHNSON Design Check



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Project No.
12578773

Client: TOWN OF CLAREMONT
Project: DRAINAGE IMPROVEMENTS

Status: NOT FOR CONSTRUCTION

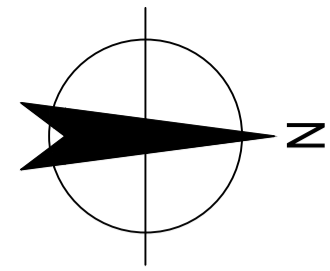
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Status Code

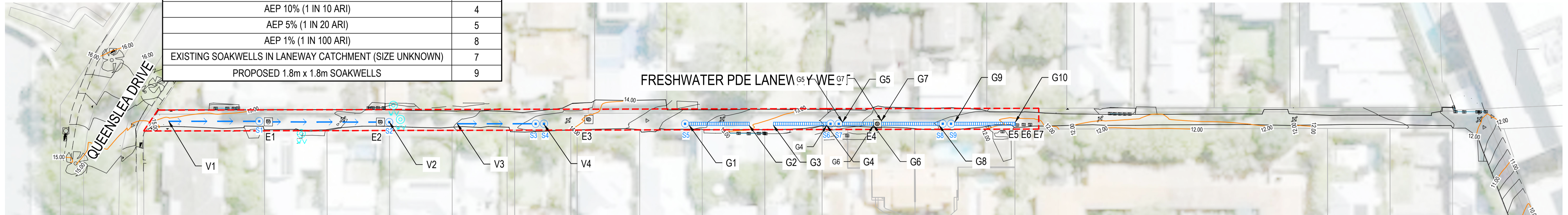
Drawing No.
12578773-G001

Size
A1

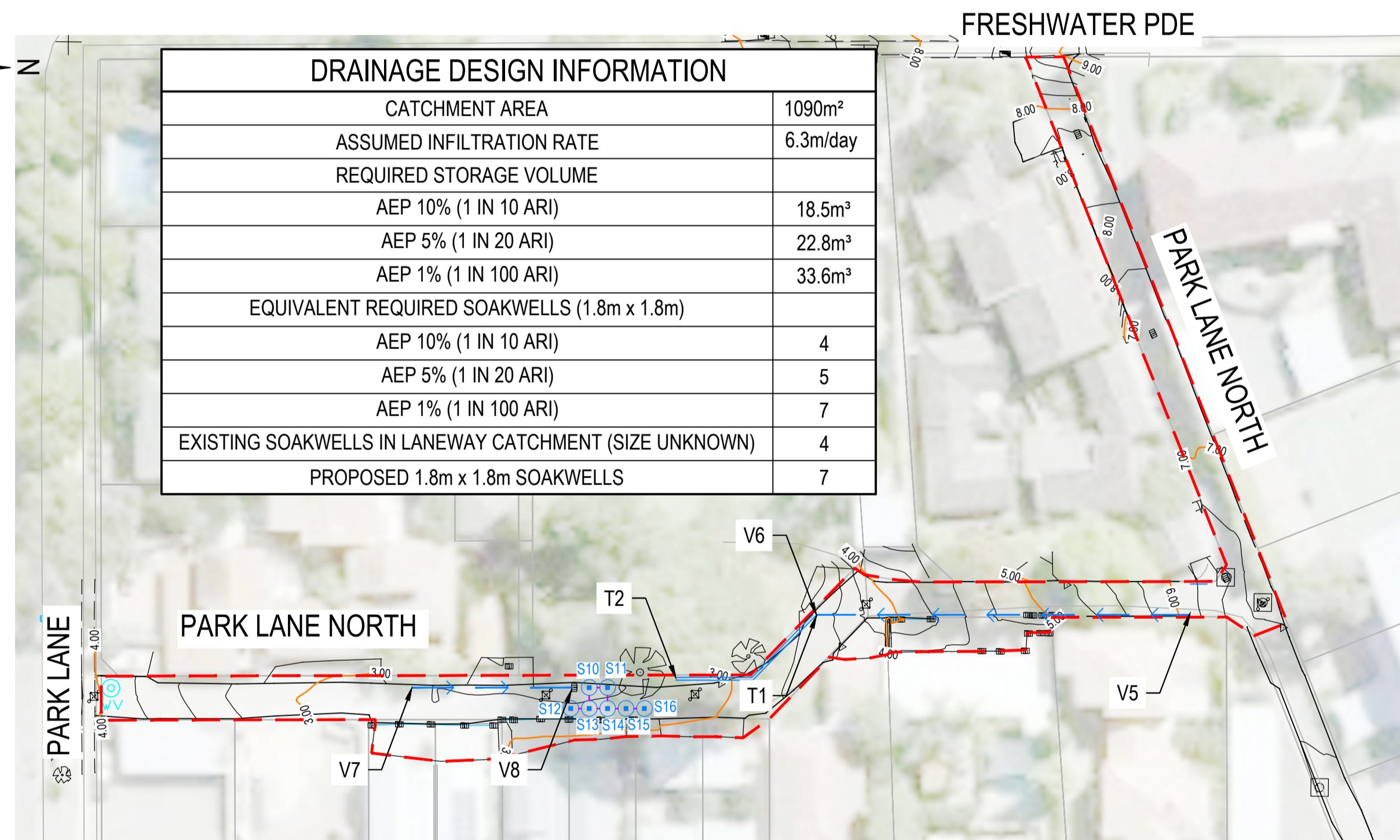
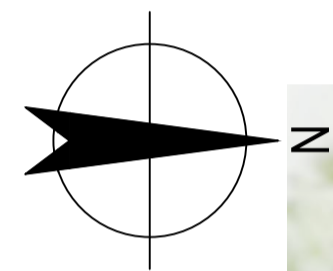
Rev
A



DRAINAGE DESIGN INFORMATION	
CATCHMENT AREA	1140m ²
ASSUMED INFILTRATION RATE	6.3m/day
REQUIRED STORAGE VOLUME	
AEP 10% (1 IN 10 ARI)	19.3m ³
AEP 5% (1 IN 20 ARI)	23.2m ³
AEP 1% (1 IN 100 ARI)	35.4m ³
EQUIVALENT REQUIRED SOAKWELLS (1.8m x 1.8m)	
AEP 10% (1 IN 10 ARI)	4
AEP 5% (1 IN 20 ARI)	5
AEP 1% (1 IN 100 ARI)	8
EXISTING SOAKWELLS IN LANEWAY CATCHMENT (SIZE UNKNOWN)	7
PROPOSED 1.8m x 1.8m SOAKWELLS	9



DRAINAGE CATCHMENT PLAN
SCALE 1:500



DRAINAGE DESIGN INFORMATION	
CATCHMENT AREA	1090m ²
ASSUMED INFILTRATION RATE	6.3m/day
REQUIRED STORAGE VOLUME	
AEP 10% (1 IN 10 ARI)	18.5m ³
AEP 5% (1 IN 20 ARI)	22.8m ³
AEP 1% (1 IN 100 ARI)	33.6m ³
EQUIVALENT REQUIRED SOAKWELLS (1.8m x 1.8m)	
AEP 10% (1 IN 10 ARI)	4
AEP 5% (1 IN 20 ARI)	5
AEP 1% (1 IN 100 ARI)	7
EXISTING SOAKWELLS IN LANEWAY CATCHMENT (SIZE UNKNOWN)	4
PROPOSED 1.8m x 1.8m SOAKWELLS	7

DRAINAGE CATCHMENT PLAN
SCALE 1:500

PROPOSED LEGEND

SYMBOL	DESCRIPTION
	CATCHMENT AREA
	PROPOSED ACO GRATE DRAIN
	PROPOSED CONCRETE V-DRAIN
	PROPOSED MOUNTABLE KERB
	PROPOSED TRAPEZOIDAL DRAIN
	PROPOSED 1.8m DIA. SOAKWELL
	PROPOSED DN150 PVC PIPE
V1 T1 G1	REFER TO DRAINAGE SCHEDULE ON DRAWING 12578773-G004

NOTES

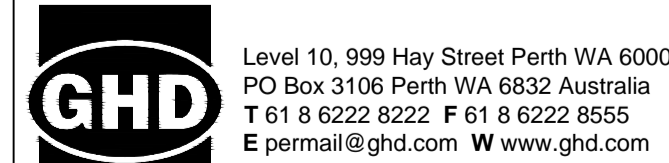
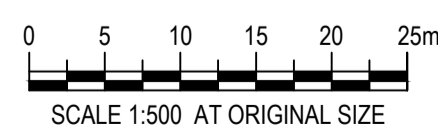
- DRAWINGS TO BE PRINTED IN COLOUR.
- AERIAL IMAGE SOURCED APRIL 2022. COPYRIGHT METROMAPS 2022.
- ALL EXISTING SERVICES AND LEVELS TO BE VERIFIED PRIOR TO COMMENCEMENT OF CONSTRUCTION WORKS.
- EXISTING LEVELS AND FEATURE SURVEY BASED UPON INFORMATION PROVIDED BY TOWN OF CLAREMONT ON 4 MARCH 2022.
- WATER CORPORATION INFORMATION RECEIVED FROM ESINET, JULY 2022.
- GROUND WATER INVESTIGATION HAS NOT BEEN COMPLETED DURING DESIGN. SUFFICIENT CLEARANCE TO MAXIMUM GROUNDWATER LEVELS FROM BASE OF SOAKWELLS IS ASSUMED.
- NO PERMEABILITY TESTING HAS BEEN COMPLETED DURING DESIGN. INFILTRATION RATES HAVE BEEN ASSUMED AS PER JDA HYDROLOGIST'S STORMWATER INFILTRATION PROJECT PLAN DATED APRIL 2017



WARNING
SERVICES AND CADASTRAL BOUNDARY LOCATIONS SHOWN ARE ONLY INDICATIVE AND MUST NOT BE USED FOR EXCAVATION. THE "ONE CALL 1100" SYSTEM SHALL BE USED TO OBTAIN ACCURATE SERVICE LOCATIONS.

Rev	Description	Checked	Approved	Date
A	FOR CLIENT REVIEW	GH	GH	30.09.22

Author: P FOO Drafting Check
Designer: L JOHNSON Design Check



Client: TOWN OF CLAREMONT
Project: DRAINAGE IMPROVEMENTS

Drawing Title: DRAINAGE MANAGEMENT PLAN

Size: A1

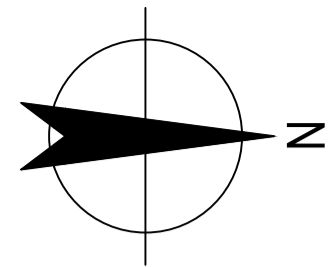
Project No. 12578773

Status: NOT FOR CONSTRUCTION

Status Code

Drawing No. 12578773-G002

Rev: A



PLAN
SCALE 1:500

NOTES

1. ALL DRAWINGS TO BE PRINTED IN COLOUR.
2. REFER TO DRAWING 12578773-G103 FOR CONSTRUCTION NOTES.
3. ALL EXISTING SERVICES AND LEVELS TO BE VERIFIED BY THE CONSTRUCTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION WORKS.
4. THE CONTRACTOR SHALL COMPLETE DILAPIDATION SURVEYS ON SURROUNDING PROPERTIES, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION WORKS.



WARNING
SERVICES AND CADASTRAL BOUNDARY LOCATIONS SHOWN ARE ONLY INDICATIVE AND MUST NOT BE USED FOR EXCAVATION.
THE "ONE CALL 1100" SYSTEM SHALL BE USED TO OBTAIN ACCURATE SERVICE LOCATIONS.

EXISTING LEGEND - SURVEY

SYMBOL	DESCRIPTION
	CADASTRAL BOUNDARY
	EXISTING EDGE BITUMEN
	EXISTING CONTOUR MINOR INTERVALS 0.25m
	EXISTING CONTOUR MAJOR INTERVALS 1m
	EXISTING UNDERGROUND POWER (LOCATION INDICATIVE)
	EXISTING WATERCORP WATER
	EXISTING WATERCORP SEWER WITH NOTATION
	CONCRETE COVER OR DUCTILE IRON COVER
	ACCESS CHAMBER / MAINTENANCE SHAFT NUMBER
	ACCESS CHAMBER COVER CLASS AND DEPTH
	ACCESS CHAMBER TYPE No. D = DROP

	EXISTING WATER VALVE
	EXISTING WATER HYDRANT
	EXISTING WESTERN POWER
	EXISTING SEWER PIT
	EXISTING TELSTRA PIT
	EXISTING DRAINAGE PIT
	EXISTING GAS
	EXISTING CONTROL POINT
	EXISTING TREE

PROPOSED LEGEND

SYMBOL	DESCRIPTION
	PROPOSED ACO GRATE DRAIN
	PROPOSED CONCRETE V-DRAIN
	PROPOSED MOUNTABLE KERB
	PROPOSED TRAPEZOIDAL DRAIN
	PROPOSED 1.8m DIA. SOAKWELL
	PROPOSED DN150 PVC PIPE
V1 T1 G1	REFER TO DRAINAGE SCHEDULE ON DRAWING 12578773-G004

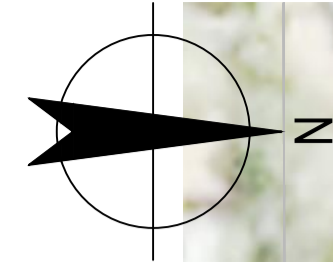


Rev	Description	Checked	Approved	Date
A	FOR CLIENT REVIEW	GH	GH	30.09.22
Author	P FOO	Drafting Check		
Designer	L JOHNSON	Design Check		



Client	TOWN OF CLAREMONT
Project	DRAINAGE IMPROVEMENTS
Project No.	12578773
Status	NOT FOR CONSTRUCTION

Drawing Title	FRESHWATER PARADE LANEWAY GENERAL LAYOUT PLAN	Size	A1
Drawing No.	12578773-G102	Rev	A



PLAN
SCALE 1:500

NOTES

1. ALL DRAWINGS TO BE PRINTED IN COLOUR.
2. REFER TO DRAWING 12578773-G202 FOR CONSTRUCTION NOTES.
3. ALL EXISTING SERVICES AND LEVELS TO BE VERIFIED BY THE CONSTRUCTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION WORKS.
4. THE CONTRACTOR SHALL COMPLETE DILAPIDATION SURVEYS ON SURROUNDING PROPERTIES, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION WORKS.



WARNING
SERVICES AND CADASTRAL BOUNDARY LOCATIONS SHOWN ARE ONLY INDICATIVE AND MUST NOT BE USED FOR EXCAVATION.
THE 'ONE CALL 1100' SYSTEM SHALL BE USED TO OBTAIN ACCURATE SERVICE LOCATIONS.

EXISTING LEGEND - SURVEY

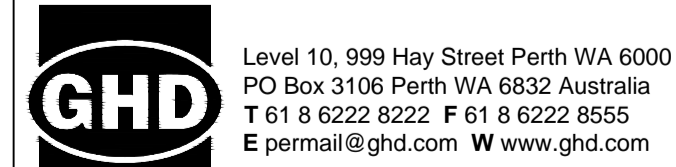
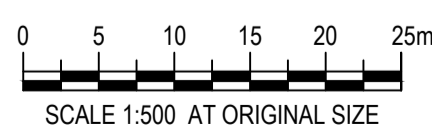
SYMBOL	DESCRIPTION
	CADASTRAL BOUNDARY
	EXISTING EDGE BITUMEN
	EXISTING CONTOUR MINOR INTERVALS 0.25m
	EXISTING CONTOUR MAJOR INTERVALS 1m
	EXISTING UNDERGROUND POWER (LOCATION INDICATIVE)
	EXISTING WATERCORP WATER
	EXISTING WATERCORP SEWER WITH NOTATION
	CONCRETE COVER OR DUCTILE IRON COVER
	ACCESS CHAMBER / MAINTENANCE SHAFT NUMBER
	ACCESS CHAMBER COVER CLASS AND DEPTH
	ACCESS CHAMBER TYPE No. D = DROP
	MAINTENANCE SHAFT INLET BEND ANGLE

PROPOSED LEGEND

SYMBOL	DESCRIPTION
	PROPOSED ACO GRATE DRAIN
	PROPOSED CONCRETE V-DRAIN
	PROPOSED MOUNTABLE KERB
	PROPOSED TRAPEZOIDAL DRAIN
	PROPOSED 1.8m DIA. SOAKWELL
	PROPOSED DN150 PVC PIPE
	CHAINAGE
	REFER TO DRAINAGE SCHEDULE ON DRAWING 12578773-G004

Rev	Description	Checked	Approved	Date
A	FOR CLIENT REVIEW	GH	GH	30.09.22

Author P.FOO Drafting Check
Designer L.JOHNSON Design Check

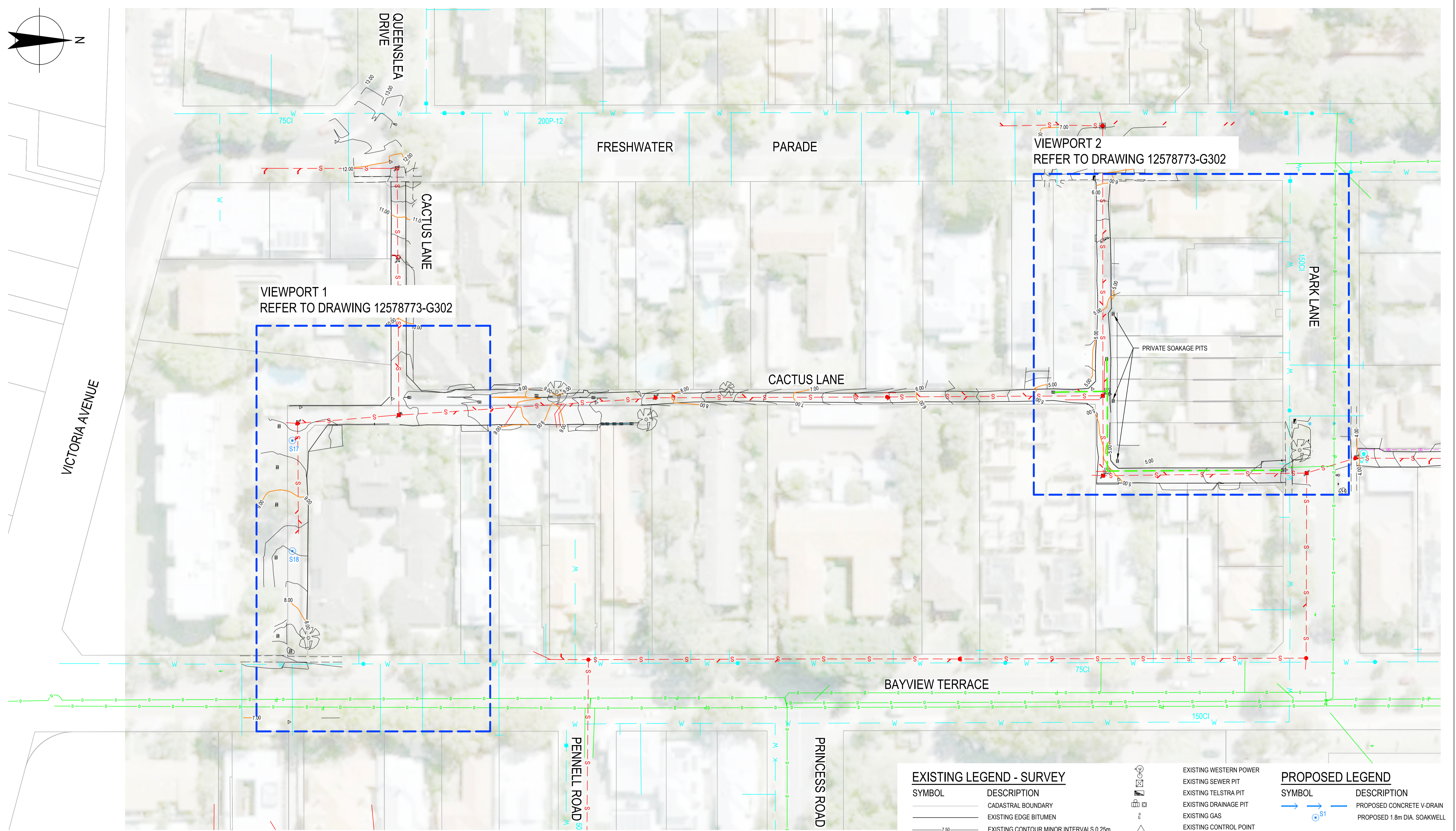
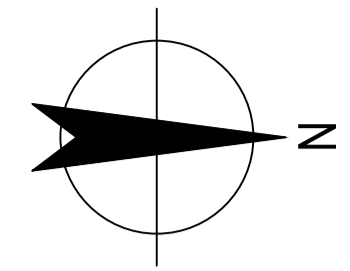


Client	TOWN OF CLAREMONT
Project	DRAINAGE IMPROVEMENTS
Status	NOT FOR CONSTRUCTION

Drawing Title	PARK LANE NORTH GENERAL LAYOUT PLAN
Drawing No.	12578773-G201

Size
A1

Rev
A



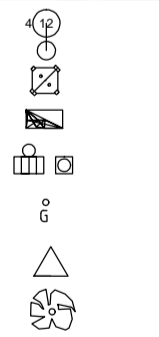
PLAN
SCALE 1:500

EXISTING LEGEND - SURVEY

SYMBOL	DESCRIPTION
	CADASTRAL BOUNDARY
	EXISTING EDGE BITUMEN
	EXISTING CONTOUR MINOR INTERVALS 0.25m
	EXISTING CONTOUR MAJOR INTERVALS 1m
	EXISTING UNDERGROUND POWER (LOCATION INDICATIVE)
	EXISTING WATERCORP WATER
	EXISTING WATERCORP DRAINAGE
	EXISTING DRAINAGE PIPE
	EXISTING WATERCORP SEWER
	EXISTING WATER
	EXISTING WATER HYDRANT

PROPOSED LEGEND

SYMBOL	DESCRIPTION
	PROPOSED CONCRETE V-DRAIN
	PROPOSED 1.8m DIA. SOAKWELL



NOTES

- DRAWINGS TO BE PRINTED IN COLOUR.
- REFER TO DRAWING 12578773-G302 FOR CONSTRUCTION NOTES.
- ALL EXISTING SERVICES AND LEVELS TO BE VERIFIED PRIOR TO COMMENCEMENT OF CONSTRUCTION WORKS.
- EXISTING LEVELS AND FEATURE SURVEY BASED UPON INFORMATION PROVIDED BY TOWN OF CLAREMONT ON 4 MARCH 2022.

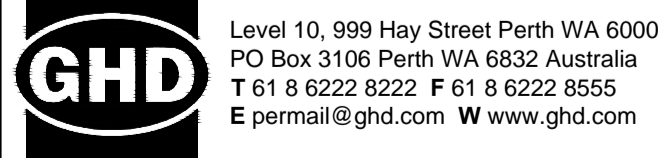


WARNING
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Rev	Description	Checked	Approved	Date
A	FOR CLIENT REVIEW	GH	GH	30.09.22

Author P.FOO Drafting Check
Designer L.JOHNSON Design Check



Client	TOWN OF CLAREMONT
Project	DRAINAGE IMPROVEMENTS
Status	NOT FOR CONSTRUCTION

Drawing Title: **PARK LANE SOUTH GENERAL LAYOUT PLAN**

Size: **A1**

Drawing No.: **12578773-G301**

Rev: **A**