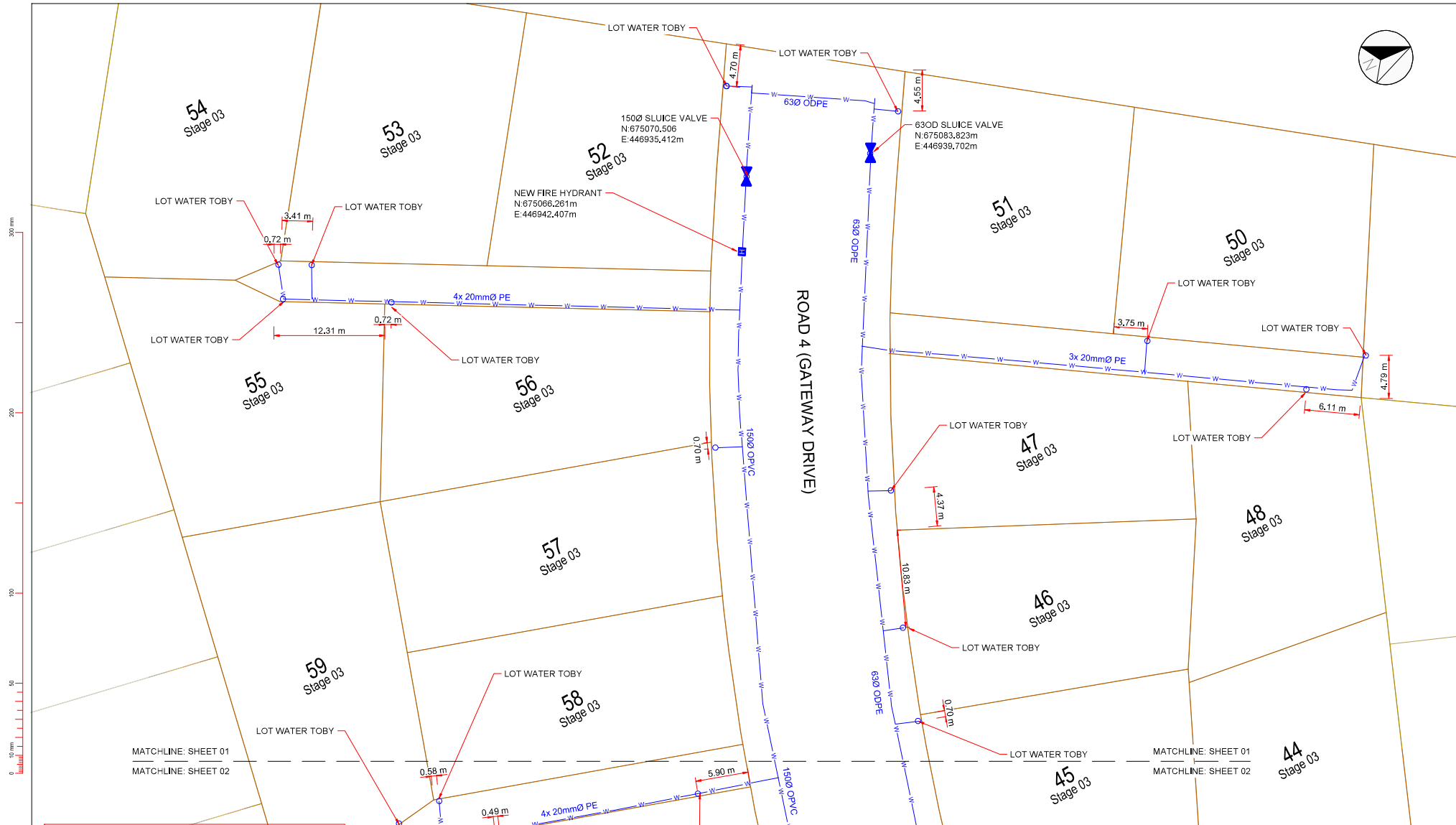


APPENDIX 9

As Built Drawings

Services As-built



KEY: (STANDARD BLOCK)

	POWER		BOUNDARY
	TELECOM		FENCE
	GAS		NEW FIRE HYDRANT
	FIBRE		
	SEWER		
	STORMWATER		
	WATER		
	NEW WATER VALVE		

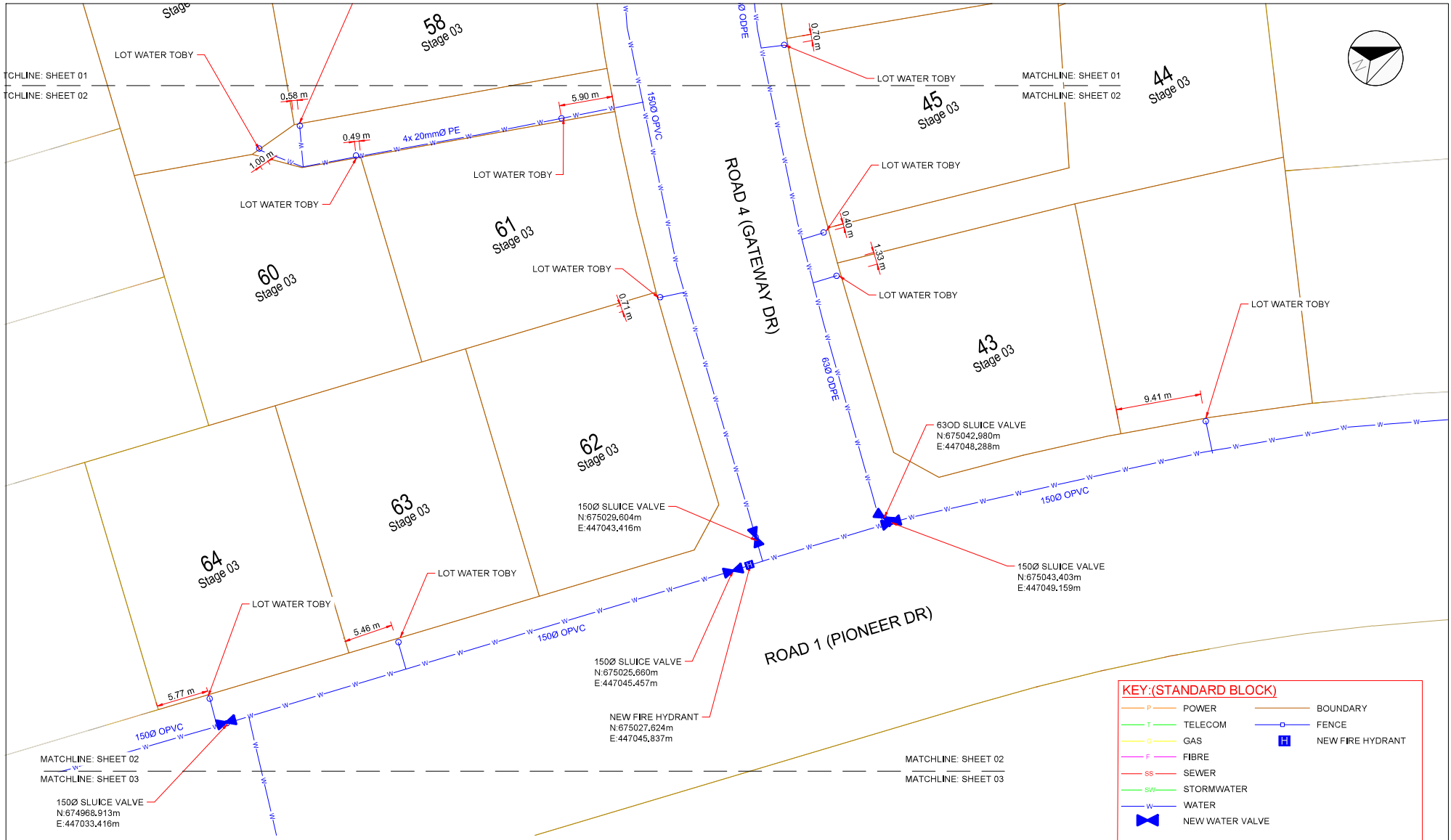
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 CO-ORDINATE SYSTEM : MT EDEN 2000
 VERTICAL DATUM: MOT53

Revision	Description	Approved	Reason/Date
1	SYMBOLS AND CO-ORDINATES ADDED	EH	15.06.21



FRONTIER ESTATE		
SIGNED A.SHARMA	Approved EHATTINGH	Approved Date 1.25X(A1) 1.50X(A3)
Drawn EHATTINGH	Scale 1:250(A1) 1:500(A3)	Project No. WMFE-001-S01

Project HAMILTON ASPHALTS FRONTIER ESTATE PIRONGIA ROAD TE AWAMUTU	
Sheet WATER SERVICE PLAN SHEET 1 OF 3	
Sheet No. 001	Pages 2



DATUM STATEMENT:
 CO-ORDINATE SYSTEM : MT EDEN 2000
 VERTICAL DATUM: MOT53

KEY: (STANDARD BLOCK)

	POWER		BOUNDARY
	TELECOM		FENCE
	GAS		NEW FIRE HYDRANT
	FIBRE		
	SEWER		
	STORMWATER		
	WATER		NEW WATER VALVE

Revision	Description	Approved	Reason/Date
1	SYMBOLS AND CO-ORDINATES ADDED	EH	14.6.21



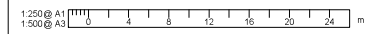
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Drawn	Checked	Approved	Approved Date
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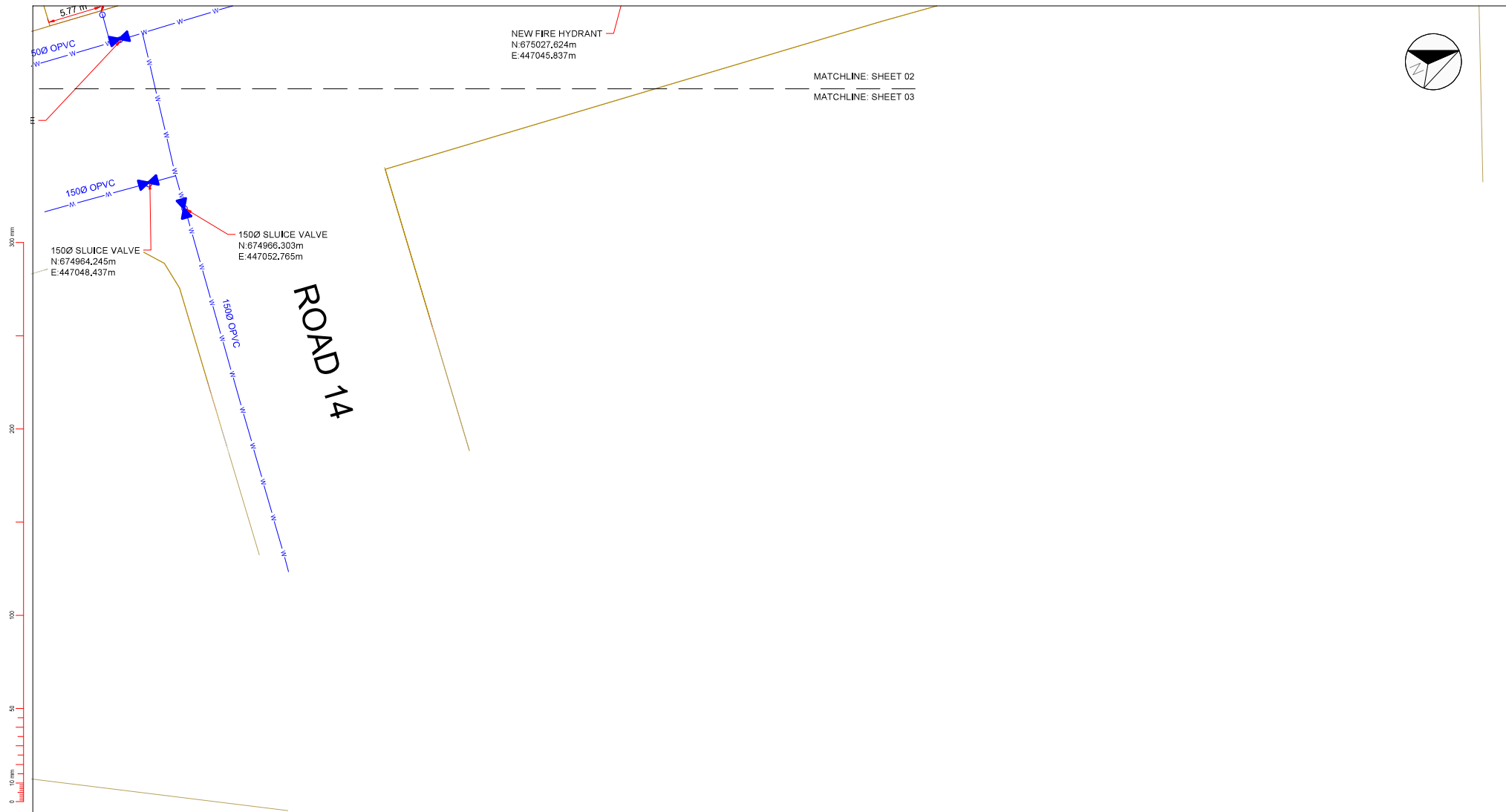
Project: HAMILTON ASPHALTS FRONTIER ESTATE PIRONGIA ROAD TE AWAMUTU

Sheet: WATER SERVICE ASBULT PLAN SHEET 2 OF 3

Sheet No.	Revision
002	2



ASBULT



KEY:(STANDARD BLOCK)

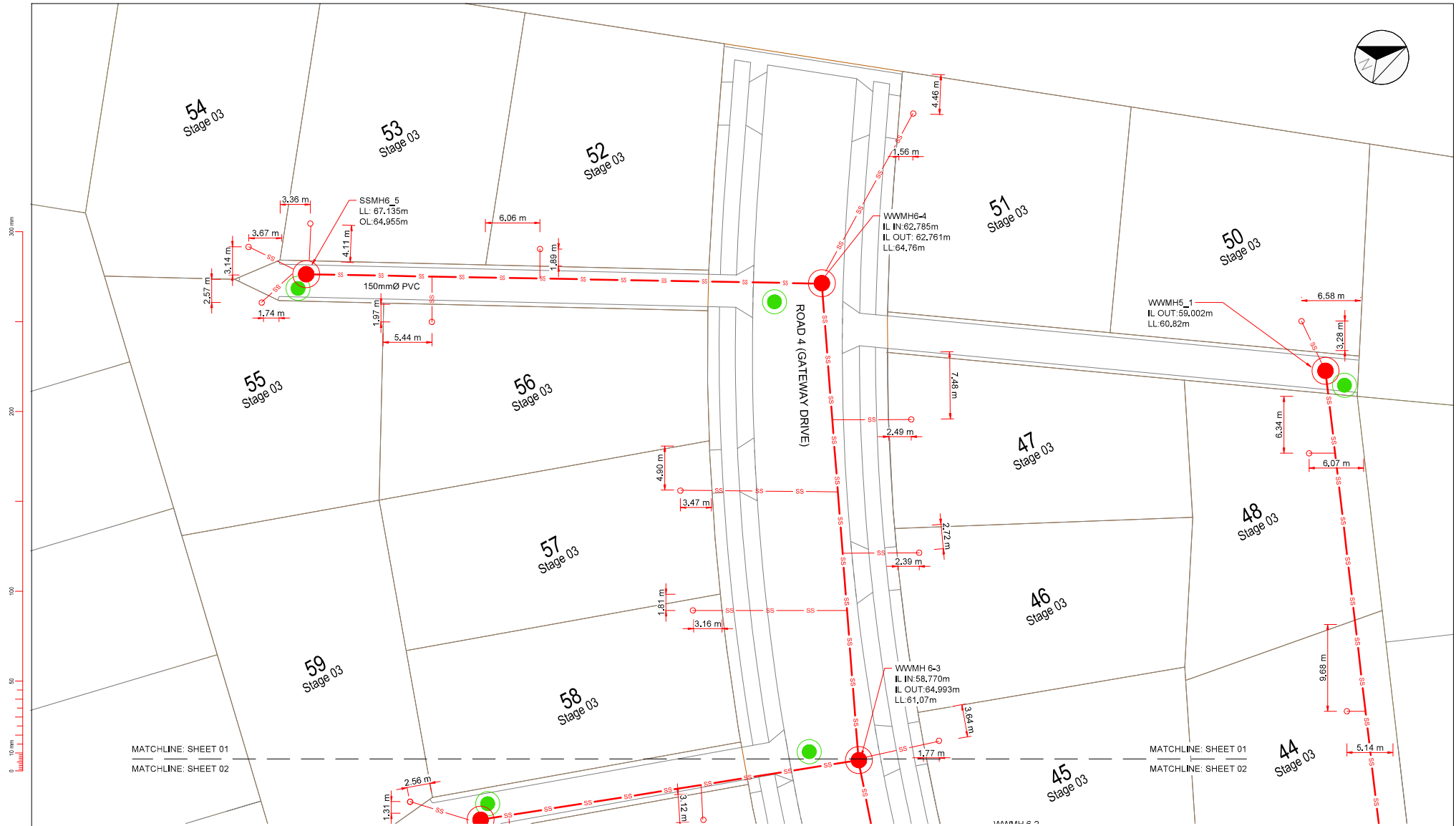
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TELECOM	FENCE
GAS	NEW FIRE HYDRANT
FIBRE	
SEWER	
STORMWATER	
WATER	
NEW WATER VALVE	

DATUM STATEMENT:
 CO-ORDINATE SYSTEM : MT EDEN 2000
 VERTICAL DATUM: MOT53

Revision	Amendment	Approved	Reason/Date



 FRONTIER ESTATE			Project: HAMILTON ASPHALTS FRONTIER ESTATE PIRONGIA ROAD TE AWAMUTU		
			Sheet: WATER SERVICE ASBUILT PLAN SHEET 3 OF 3		
Drawn: E.HATTINGH	Scale: 1:250(A1) 1:500(A3)	Approved: A.SHARMA	Approved: E.HATTINGH	Approved Date: [Blank]	Project No.: WMFE-001-S03
Original Sheet Size A1 (841x594) Plot Date: 2021-06-22 at 5:32:09 pm Path: C:\Users\stian\OneDrive - Hamilton Asphalts Ltd\Documents\Frontier Estate\CAD\210610 FRONTIER ESTATE STAGE 3 WATER R2.1.dwg WMFE-001-S03					
ASBUILT					
Sheet No.: 003 Pages: 2					



KEY: (STANDARD BLOCK)

	POWER		BOUNDARY
	TELECOM		FENCE
	GAS		EXISTING CONCRETE
	FIBRE		PROPOSED CONCRETE
	SEWER		PAVERS
	STORMWATER		LIMESTONE
	WATER		

NOTE: ALL LOT CONNECTIONS ARE 150Ø PVC

DATUM STATEMENT:
CO-ORDINATE SYSTEM : MT EDEN 2000
VERTICAL DATUM: MOT53

Revision	Description	Approved	Reason/Date



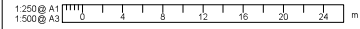
FRONTIER ESTATE

Drawn: E.HATTINGH	Checked: A.SHARMA	Approved: E.HATTINGH	Approved Date: 1:29(A1) 1:50(A3)
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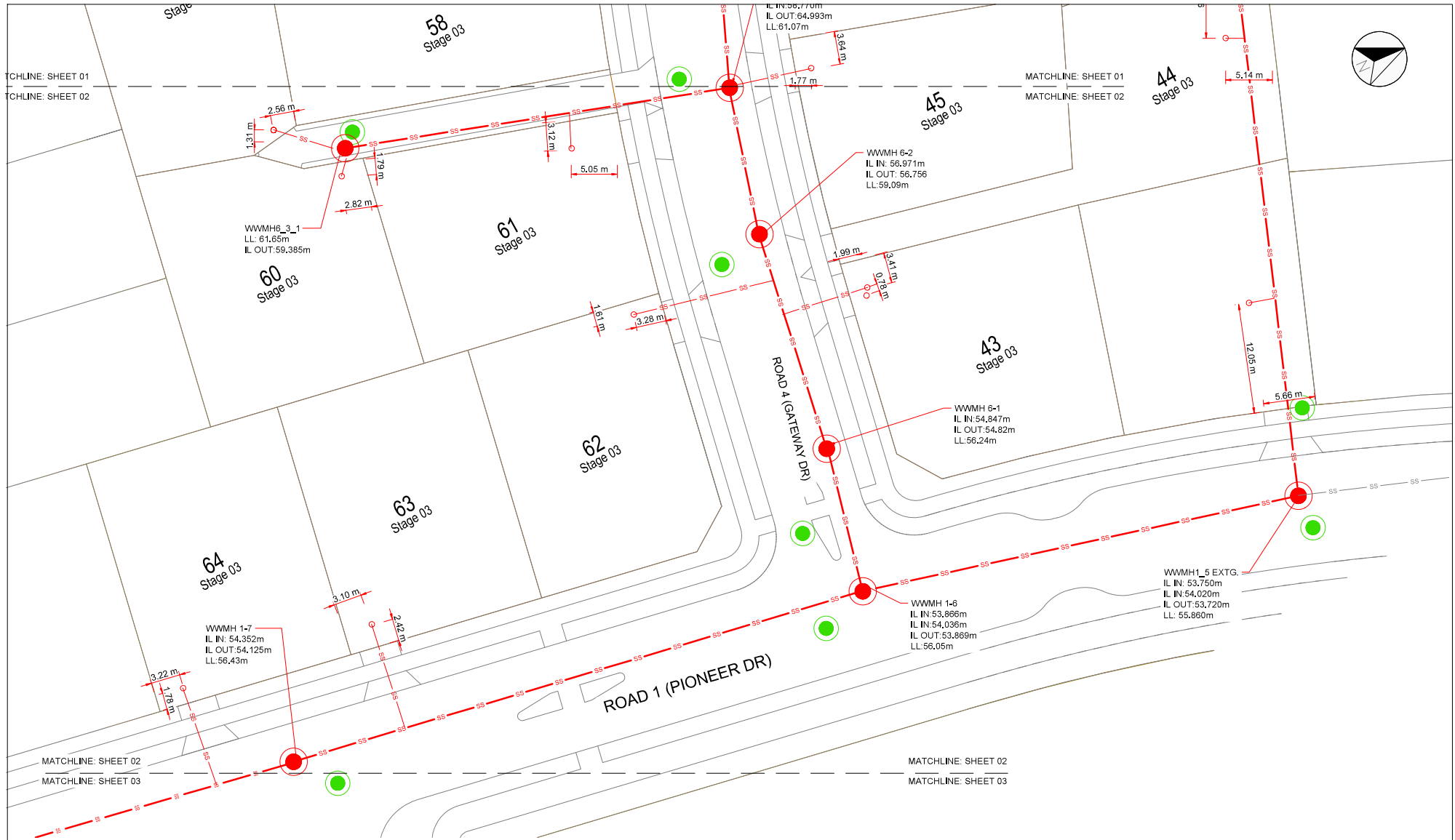
Project: HAMILTON ASPHALTS FRONTIER ESTATE PIRONGIA ROAD TE AWAMUTU

Sheet: WASTE WATER ASBUILT PLAN SHEET 1 OF 3

Project No: DRFE-001-S01	Sheet No: 001	Revision: A
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ASBUILT



KEY: (STANDARD BLOCK)

P	POWER	BOUNDARY
T	TELECOM	FENCE
G	GAS	EXISTING CONCRETE
F	FIBRE	PROPOSED CONCRETE
SS	SEWER	PAVERS
SW	STORMWATER WATER	LIMESTONE

NOTE: ALL LOT CONNECTIONS ARE 150Ø PVC

DATUM STATEMENT:
 CO-ORDINATE SYSTEM : MT EDEN 2000
 VERTICAL DATUM: MOT53

Revision	Amendment	Approved	Revision Date



FRONTIER ESTATE

DESIGNED A.SHARMA	APPROVED E.HATTINGH	APPROVED DATE 12/01/2024
DRAWN E.HATTINGH	SCALE 1:250(A1) 1:500(A3)	PROJECT NO. DRFE-001-S02

ASBUILT

Project:
 HAMILTON ASPHALTS
 FRONTIER ESTATE
 PIRONGIA ROAD TE AWAMUTU

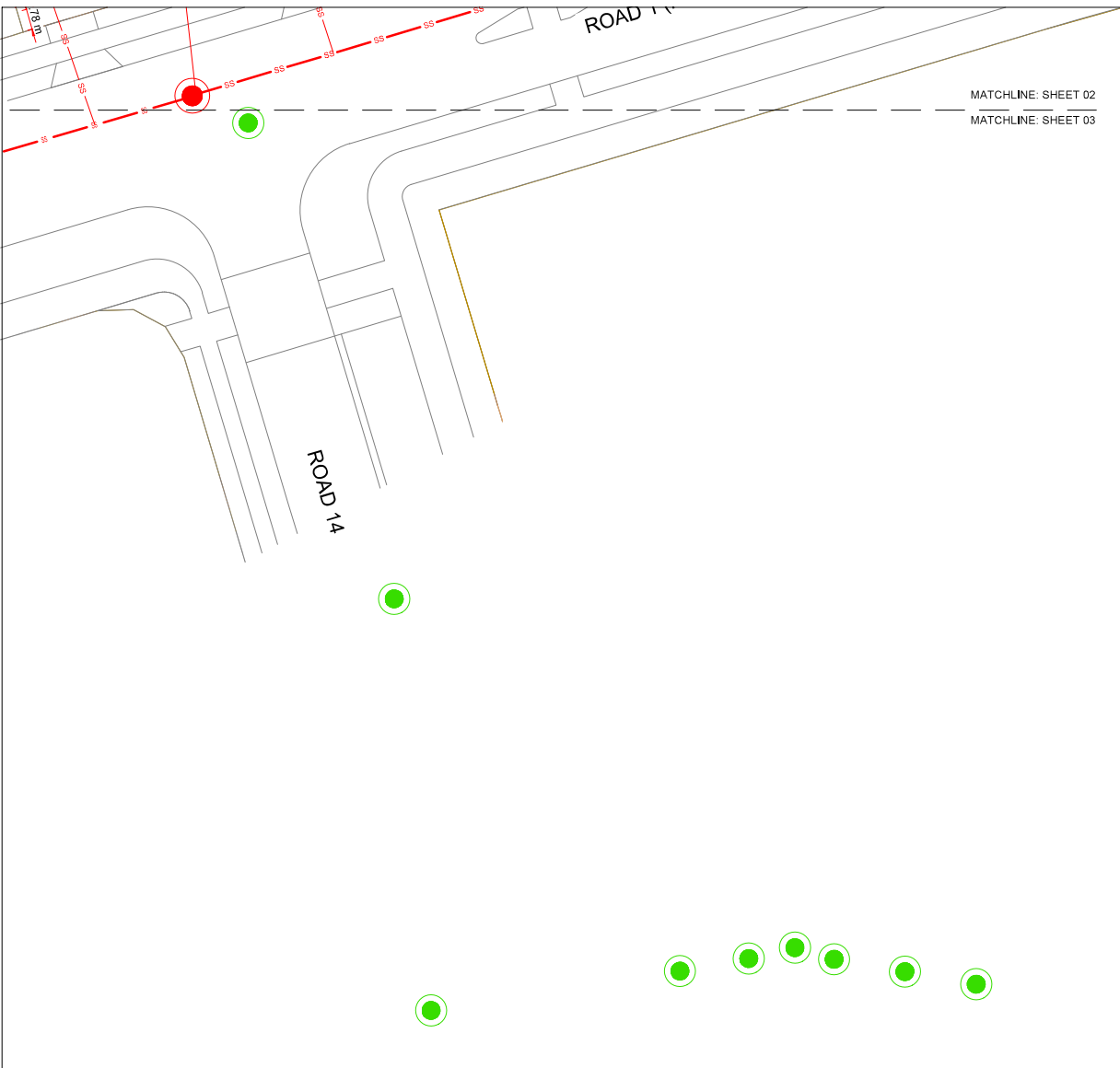
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WASTE WATER AWSBUILT PLAN
SHEET 2 OF 3

Sheet No.	Revision
002	A



MATCHLINE: SHEET 02
MATCHLINE: SHEET 03

300 mm
200
100
50
0 10 mm



KEY: (STANDARD BLOCK)

P	POWER	—	BOUNDARY
T	TELECOM	—	FENCE
G	GAS		EXISTING CONCRETE
F	FIBRE		PROPOSED CONCRETE
SS	SEWER	■	PAVERS
SW	STORMWATER	■	LIMESTONE
	WATER		

NOTE: ALL LOT CONNECTIONS ARE 150Ø PVC

DATUM STATEMENT:
CO-ORDINATE SYSTEM : MT EDEN 2000
VERTICAL DATUM: MOT53

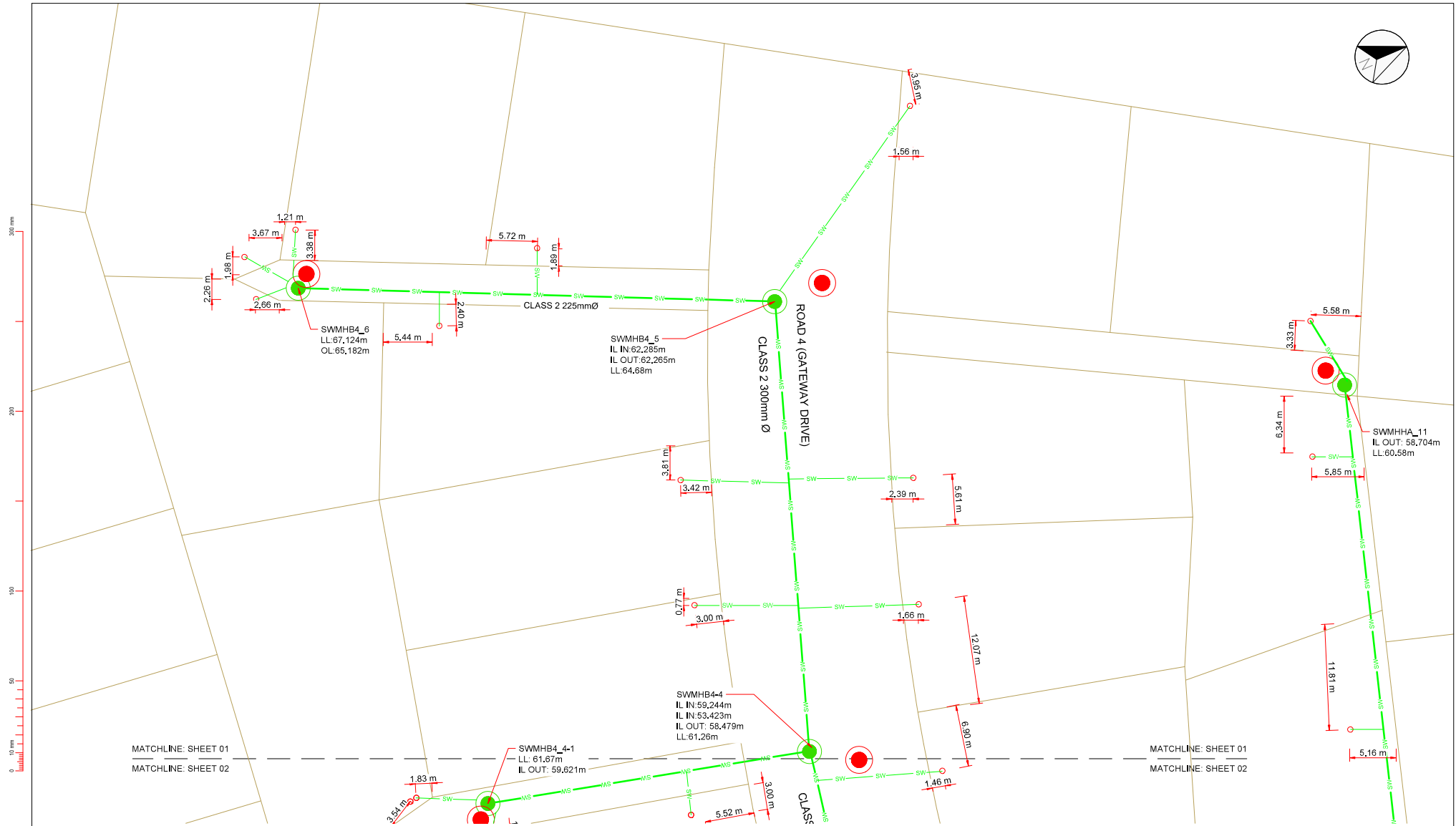
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FRONTIER ESTATE		
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A.SHARMA	E.HATTINGH	
Drawn	Scale	
E.HATTINGH	1:250(A1) 1:500(A3)	

Project	
HAMILTON ASPHALTS FRONTIER ESTATE PIRONGIA ROAD TE AWAMUTU	
Sheet	
STORM WATER & WASTE WATER SERVICE ASBUILT PLAN	
Project No.	Sheet No. / Revision
DRFE-001-S03	003 / A

ASBUILT



MATCHLINE: SHEET 01
MATCHLINE: SHEET 02

MATCHLINE: SHEET 01
MATCHLINE: SHEET 02

KEY: (STANDARD BLOCK)

	POWER		BOUNDARY
	TELECOM		FENCE
	GAS		EXISTING CONCRETE
	FIBRE		PROPOSED CONCRETE
	SEWER		PAVERS
	STORMWATER		LIMESTONE
	WATER		

NOTE: ALL LOT CONNECTIONS ARE 150Ø PVC

DATUM STATEMENT:
CO-ORDINATE SYSTEM : MT EDEN 2000
VERTICAL DATUM: MOT53

Revised	Revised/	Approved	Revision Date



FRONTIER ESTATE

Surveyed	Approved	Approved Date
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Drawn	Scale	
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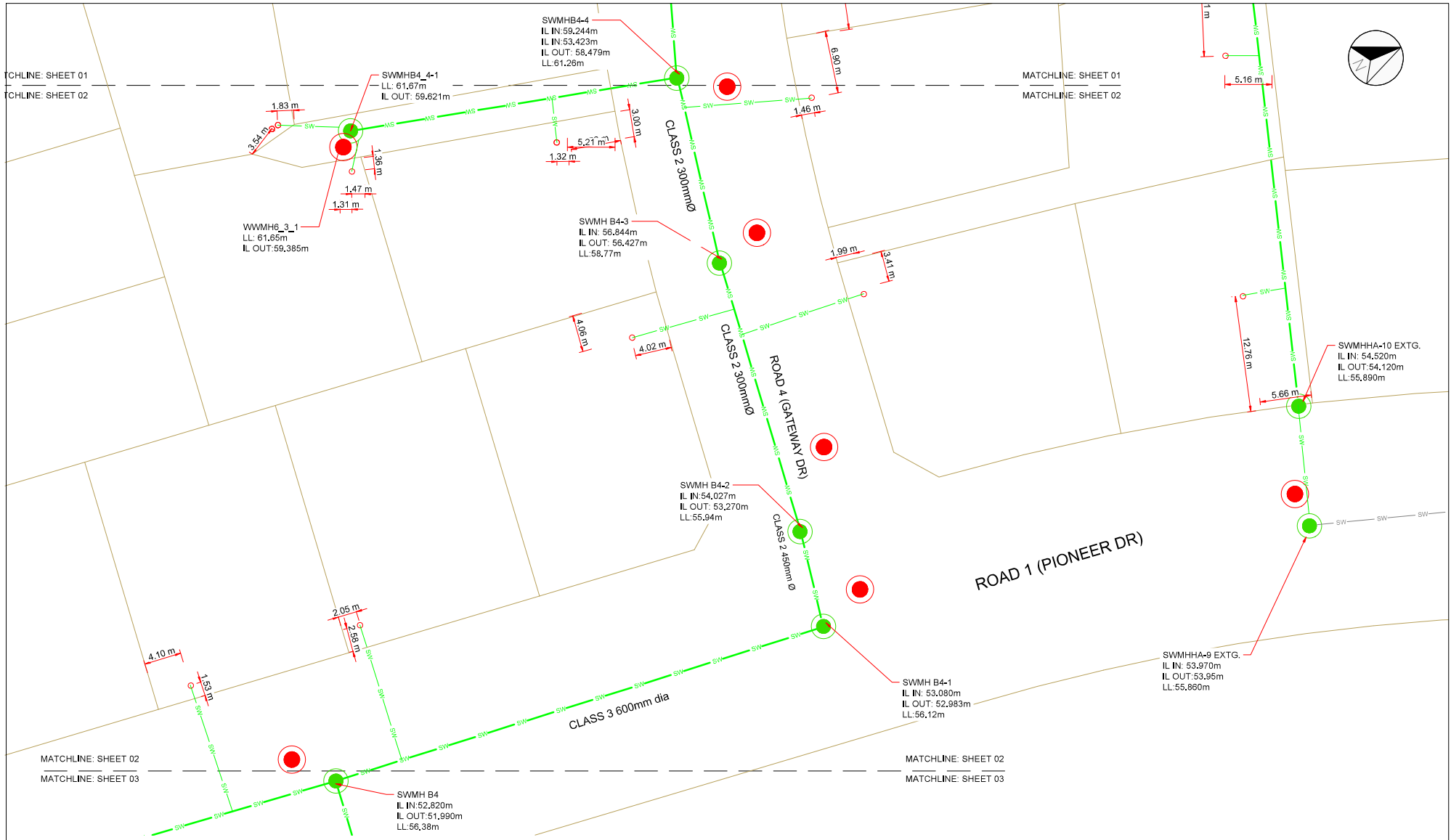
ASBULT

Project:
HAMILTON ASPHALTS
FRONTIER ESTATE
PIRONGIA ROAD TE AWAMUTU

Sheet:
STORM WATER ASBULT PLAN
SHEET 1 OF 3

Project No.	Sheet No.	Revision
SWFE-001-S01	001	A

1:250@ A1
1:500@ A3



KEY: (STANDARD BLOCK)

- POWER
- TELECOM
- GAS
- FIBRE
- SEWER
- STORMWATER
- WATER
- BOUNDARY
- FENCE
- EXISTING CONCRETE
- PROPOSED CONCRETE
- PAVERS
- LIMESTONE

NOTE: ALL LOT CONNECTIONS ARE 150Ø PVC

DATUM STATEMENT:
 CO-ORDINATE SYSTEM : MT EDEN 2000
 VERTICAL DATUM: MOT53

Revised	Revised/	Approved	Revision Date



SURVEYED	Approved	Approved Date
A.SHARMA	E.HATINGH	
Drawn	Scale	
E.HATINGH	1:250(A1) 1:500(A3)	

Project	HAMILTON ASPHALTS FRONTIER ESTATE PIRONGIA ROAD TE AWAMUTU
Sheet No.	002
Revision	A
Project	STORM WATER ASBUILT PLAN SHEET 2 OF 3
Project No.	SWFE-001-S02



IL IN: 53,080m
IL OUT: 52,983m
LL: 56,12m

MATCHLINE: SHEET 02
MATCHLINE: SHEET 03

CLASS 3 600mm dia

SWMH B4
IL IN: 52,820m
IL OUT: 51,990m
LL: 56,38m

CLASS 3 900mm dia

ROAD 14

SWMH B3
LL: 53,550m
IL IN: 51,424m
IL OUT: 49,940m

SWMH B2
LL: 51,300m
IL IN: 49,317m
IL OUT: 48,366m

SWMH B1
LL: 50,040m
IL IN: 48,178m
IL OUT: 47,151m

SWMH B1-B
LL: 47,840m
IL IN: 46,140m
IL OUT: 45,298m

SWMH B1-D
LL: 45,650m
IL IN: 44,183m
IL OUT: 43,833m

SWHW
IL OUT: 43,520m

SWMH B1-A
LL: 48,470m
IL IN: 46,068m
IL OUT: 46,228m

SWMH B1-C
LL: 46,690m
IL IN: 45,118m
IL OUT: 44,202m

SWMH B1-E
LL: 45,270m
IL IN: 43,780m
IL OUT: 43,465m

KEY: (STANDARD BLOCK)

	POWER		BOUNDARY
	TELECOM		FENCE
	GAS		EXISTING CONCRETE
	FIBRE		PROPOSED CONCRETE
	SEWER		PAVERS
	STORMWATER		LIMESTONE
	WATER		

NOTE: ALL LOT CONNECTIONS ARE 150Ø PVC

DATUM STATEMENT:

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VERTICAL DATUM: MOT53

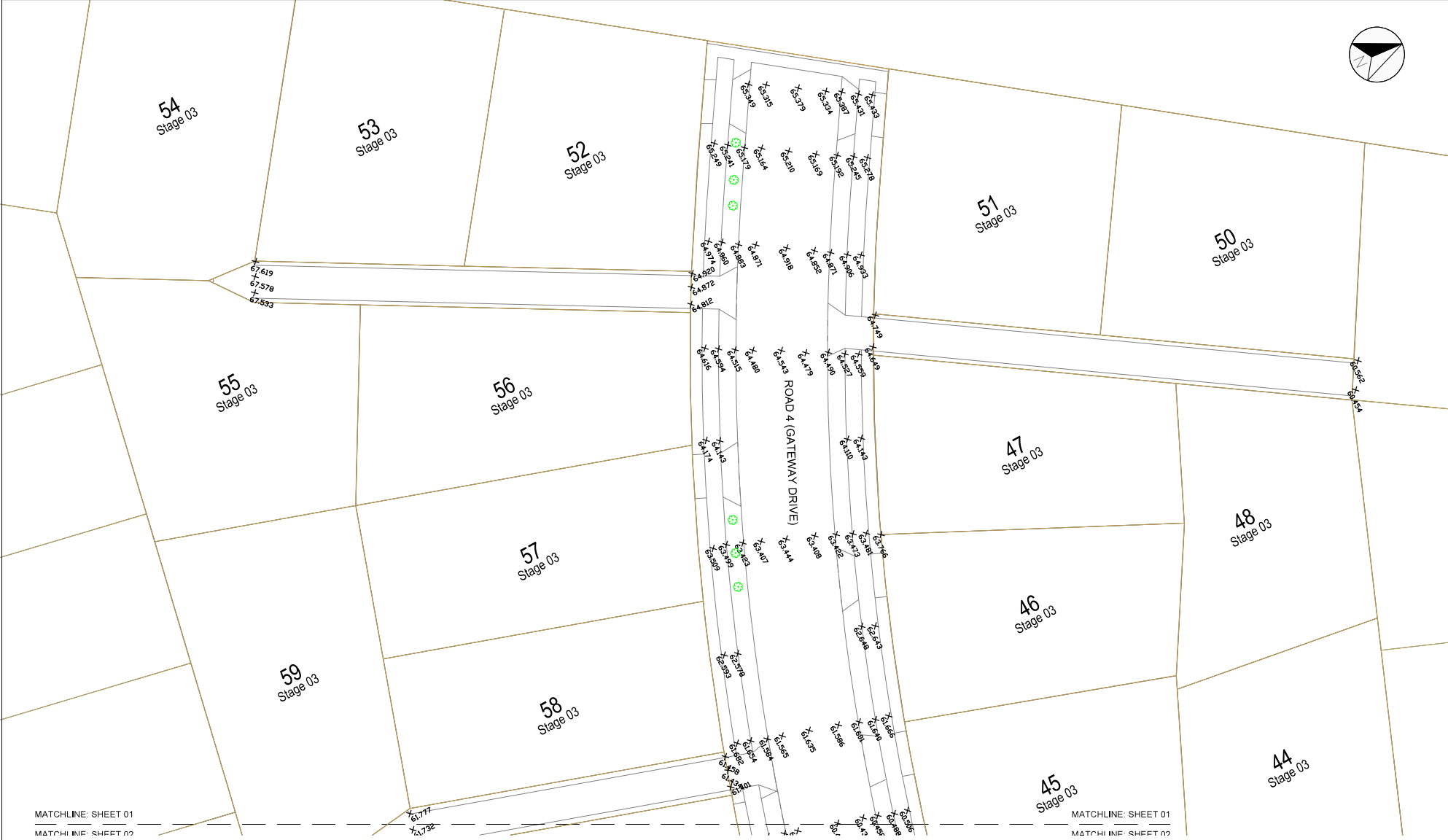
Revised	Revised/	Approved	Revision Date



SURVEYED	Approved	Approved Date
A.SHARMA	E.HATINGH	
Drawn	Scale	
E.HATINGH	1:250(A1) 1:500(A3)	

Project		HAMILTON ASPHALTS FRONTIER ESTATE PIRONGIA ROAD TE AWAMUTU
Sheet		STORM WATER ASBUILT PLAN SHEET 3 OF 3
Project No.	Sheet No.	Revision
SWFE-001-S03	003	A

ASBUILT



MATCHLINE SHEET 01
MATCHLINE SHEET 02

MATCHLINE SHEET 01
MATCHLINE SHEET 02

KEY:(STANDARD BLOCK)

	POWER		BOUNDARY
	TELECOM		FENCE
	GAS		EXISTING CONCRETE
	FIBRE		PROPOSED CONCRETE
	SEWER		PAVERS
	STORMWATER		LIMESTONE
	WATER		

DATUM STATEMENT:
CO-ORDINATE SYSTEM : MT EDEN 2000
VERTICAL DATUM: MOT53

Revised	Revised/Drawn	Approved	Revision Date



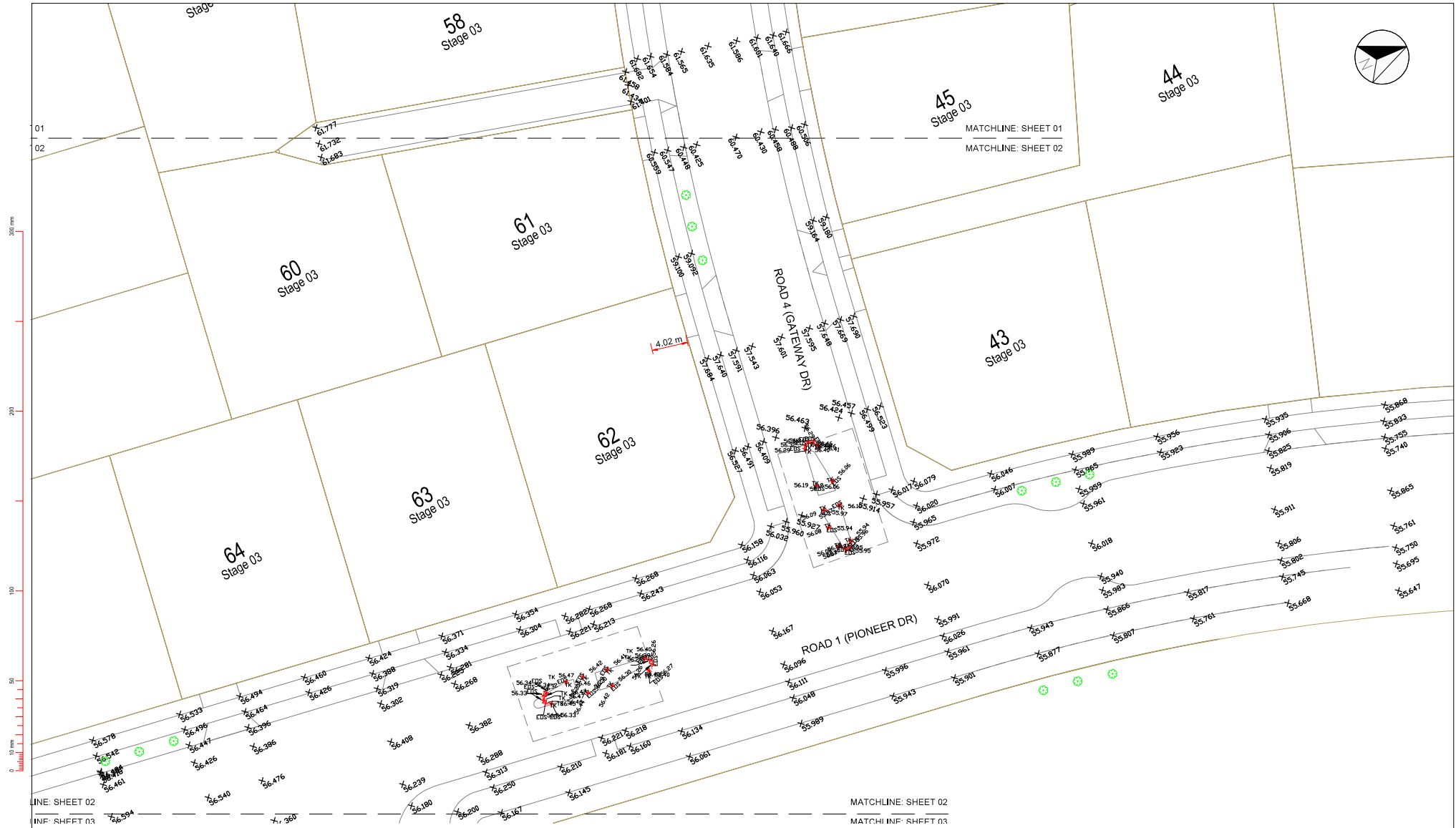
FRONTIER ESTATE

SURVEYED	Approved	Approved Date
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Drawn	Scale	
E.HATINGH	1:250(A1) 1:500(A3)	

Project: HAMILTON ASPHALTS
FRONTIER ESTATE
PIRONGIA ROAD TE AWAMUTU

Sheet: ROAD AND FOOTPATH ASBUILT PLAN
SHEET 1 OF 3

Sheet No.	Revision
001	A



KEY: (STANDARD BLOCK)

	POWER		BOUNDARY
	TELECOM		FENCE
	GAS		EXISTING CONCRETE
	FIBRE		PROPOSED CONCRETE
	SEWER		PAVERS
	STORMWATER		LIMESTONE
	WATER		

DATUM STATEMENT:
 CO-ORDINATE SYSTEM : MT EDEN 2000
 VERTICAL DATUM: MOT53

Revised	Revised/	Approved	Revision Date



FRONTIER ESTATE

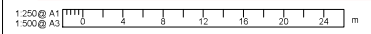
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A.SHARMA	E.HATINGH		
E.HATINGH			

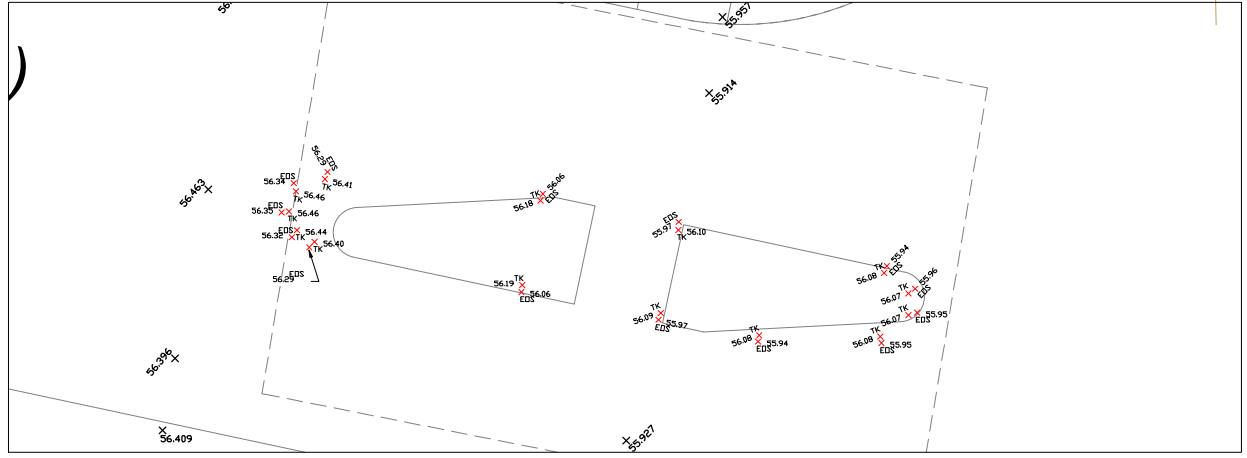
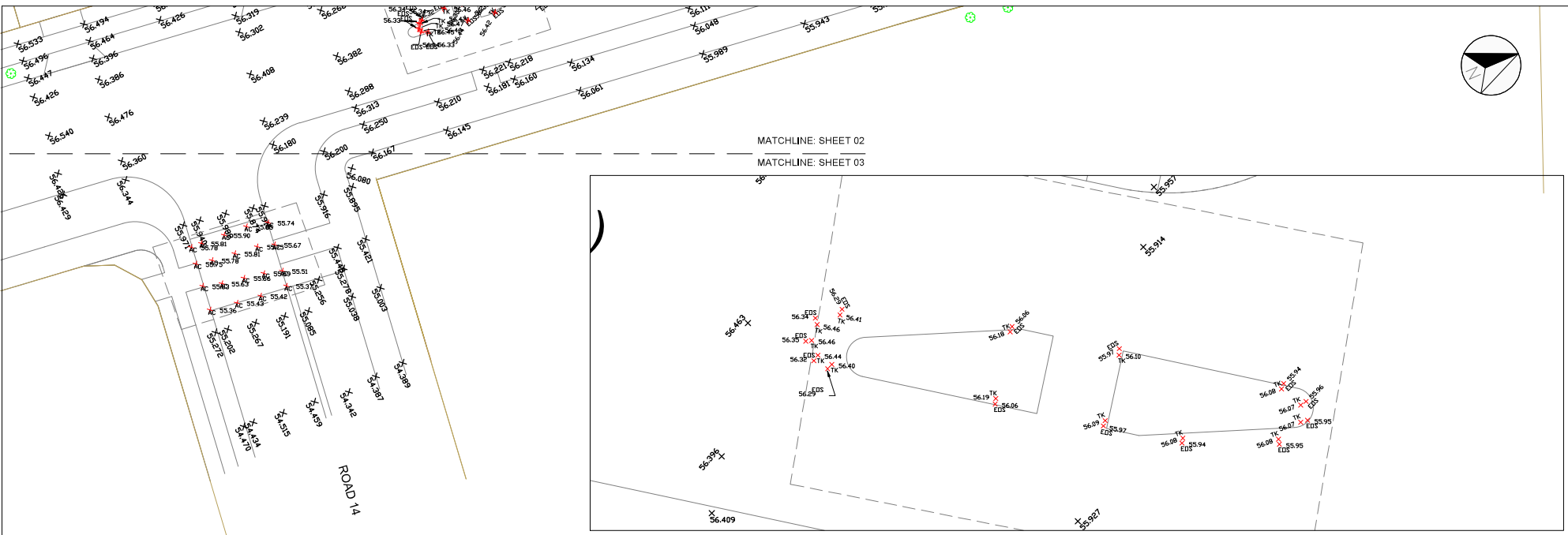
ASBULT

Project:
 HAMILTON ASPHALTS
 FRONTIER ESTATE
 PIRONGIA ROAD TE AWAMUTU

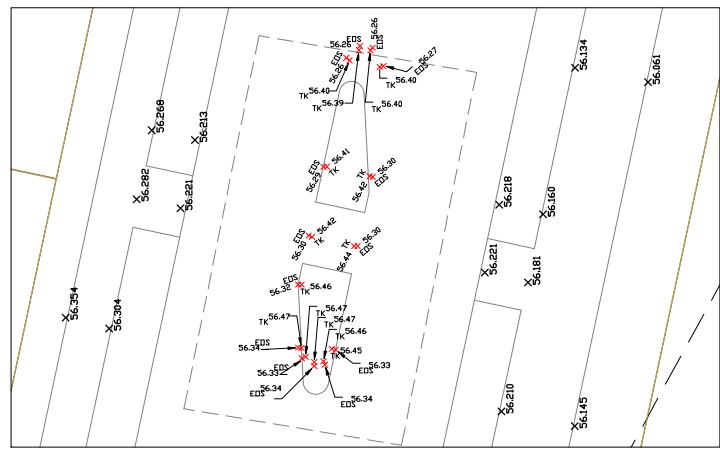
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ROAD AND FOOTPATH ASBULT PLAN
SHEET 2 OF 3

Sheet No.	Revision
002	A

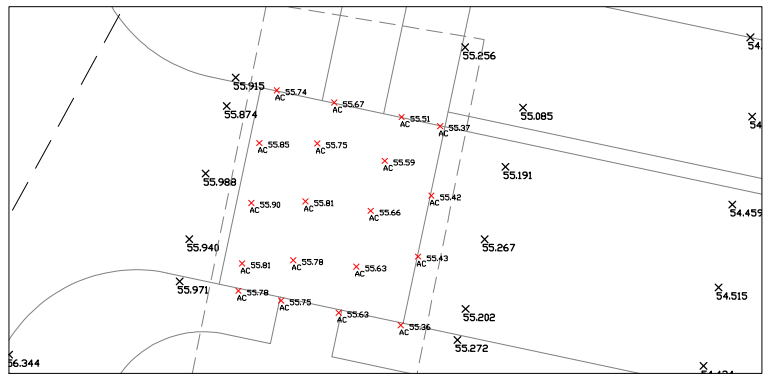




RD4 GATEWAY DR TRAFFIC ISLAND 1
Scale: 1:50 (A1)



RD1 PIONEER DR TRAFFIC ISLAND 2
Scale: 1:100(A1)



ROAD 14 ASPHALT SPEED HUMP 3
Scale: 1:100 (A1)

KEY: (STANDARD BLOCK)

	POWER		BOUNDARY
	TELECOM		FENCE
	GAS		EXISTING CONCRETE
	FIBRE		PROPOSED CONCRETE
	SEWER		PAVERS
	STORMWATER		LIMESTONE
	WATER		

DATUM STATEMENT:
CO-ORDINATE SYSTEM : MT EDEN 2000
VERTICAL DATUM: MOT53

Revised	Revised/	Approved	Revision Date



FRONTIER ESTATE

Surveyed	Approved	Approved Date
A.SHARMA	E.HATINGH	
Drawn	Scale	
E.HATINGH	1:250(A1) 1:500(A3)	

Project:
HAMILTON ASPHALTS
FRONTIER ESTATE
PIRONGIA ROAD TE AWAMUTU

Sheet:
ROAD AND FOOTPATH ASBUILT PLAN
SHEET 3 OF 3

Project No.	Sheet No.	Pages
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ASBUILT