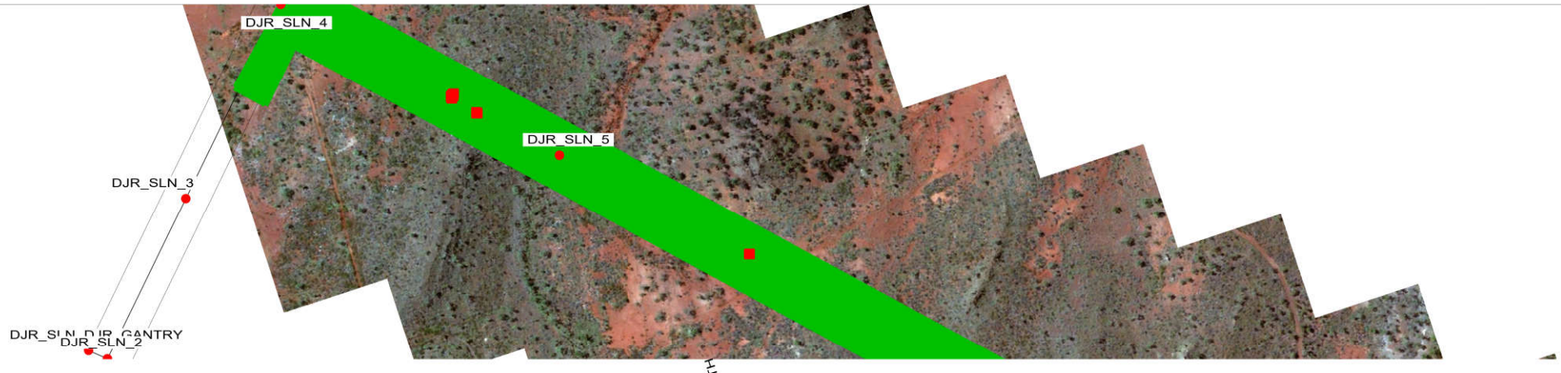
PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

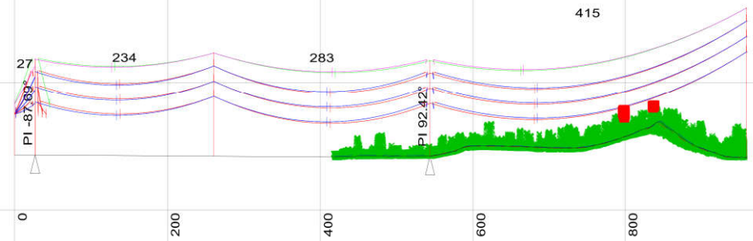
-VEGETATION

DJR_SLN_DJR_GANTRY
GANTRY
STA=0
X=437975.13
Y=7705698.59
HT=37.90 ELE=221.48
DJR_SLN_2
COPPER STRING 2
STA=27
X=437957.26
Y=7705678.54
HT=37.90 ELE=221.48
LINE ANGLE=-87.69°

DJR_SLN_3
220KV COPPERSTRING 2.0 PROJECT
STA=261
X=438125.41
Y=7705516.04
HT=40.70 ELE=220.96

DJR_SLN_4
COPPER STRING 2
STA=544
X=438328.92
Y=7705319.36
HT=37.90 ELE=220.99
LINE ANGLE=92.42°

DJR_SLN_5
220KV COPPERSTRING 2.0 PROJECT
STA=959
X=438028.24
Y=7705033.48
HT=58.70 ELE=220.48



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A1

SCALE@A1 AS SHOWN

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 1 OF 62

CLIENT COPPERSTRING

UGL DRAWING NO. 3200-0643-DP6-DRG-01

SHEET 1

AMDT A

CONFIRM SCALE

100mm ON A1 ORIGINAL

CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

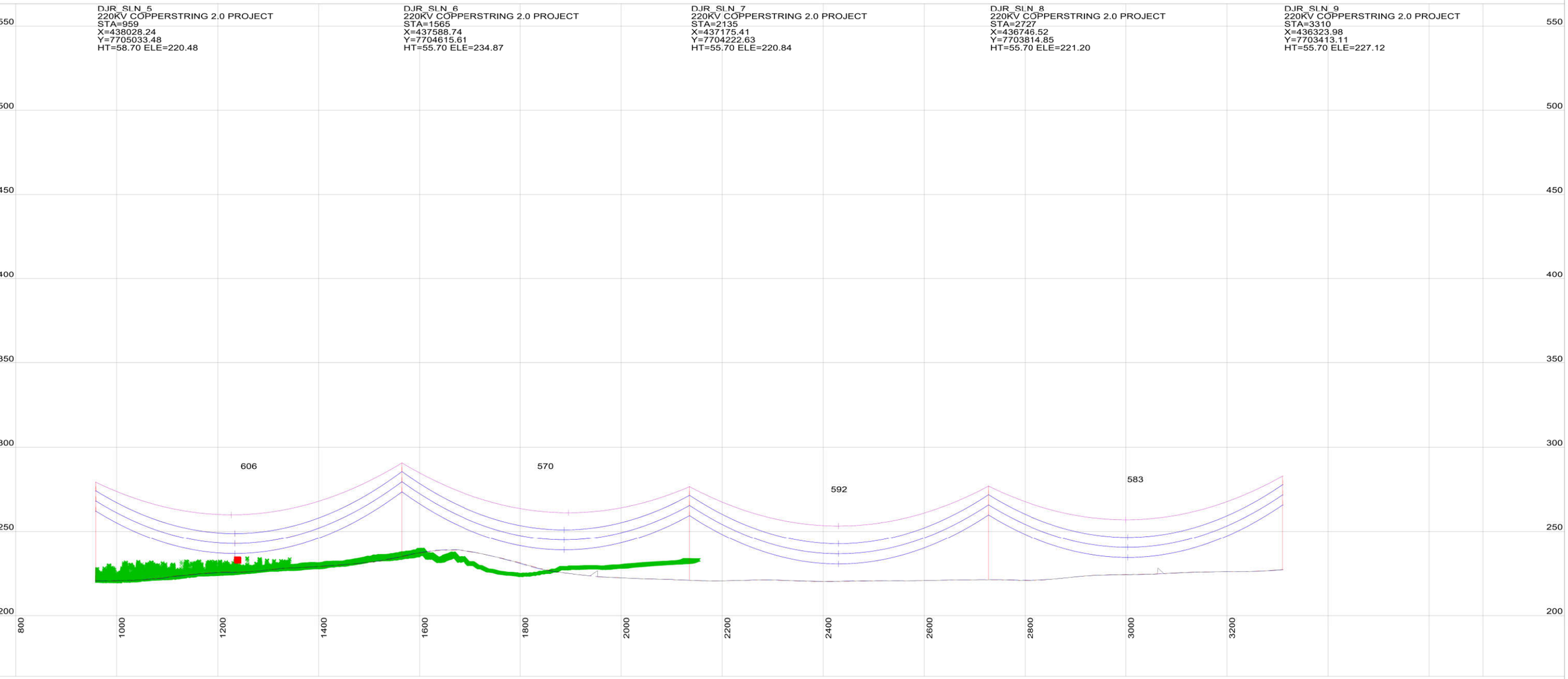
DJR_SLN_5
220KV COPPERSTRING 2.0 PROJECT
STA=959
X=438028.24
Y=7705033.48
HT=58.70 ELE=220.48

DJR_SLN_6
220KV COPPERSTRING 2.0 PROJECT
STA=1565
X=437588.74
Y=7704615.61
HT=55.70 ELE=234.87

DJR_SLN_7
220KV COPPERSTRING 2.0 PROJECT
STA=2135
X=437175.41
Y=7704222.63
HT=55.70 ELE=220.84

DJR_SLN_8
220KV COPPERSTRING 2.0 PROJECT
STA=2727
X=436746.52
Y=7703814.85
HT=55.70 ELE=221.20

DJR_SLN_9
220KV COPPERSTRING 2.0 PROJECT
STA=3310
X=436323.98
Y=7703413.11
HT=55.70 ELE=227.12



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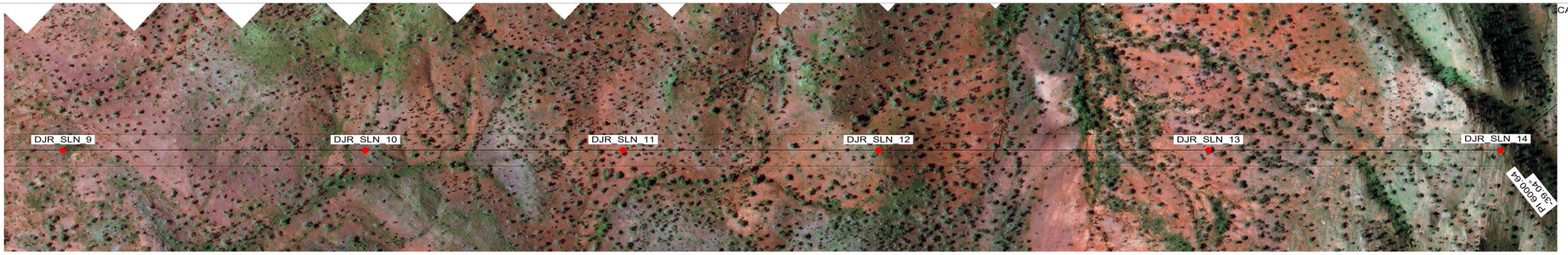
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A1 | SCALE@A1 AS SHOWN | CLIENT COPPERSTRING | UGL DRAWING NO. 3200-0643-DP6-DRG-02 | SHEET 2 | AMDT A

UGL
COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 2 OF 62

CONFIRM SCALE 100mm ON A1 ORIGINAL



CADD DRAWING

40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

DJR_SLN_9
220KV COPPERSTRING 2.0 PROJECT
STA=3310
X=436323.98
Y=7703413.11
HT=55.70 ELE=227.12

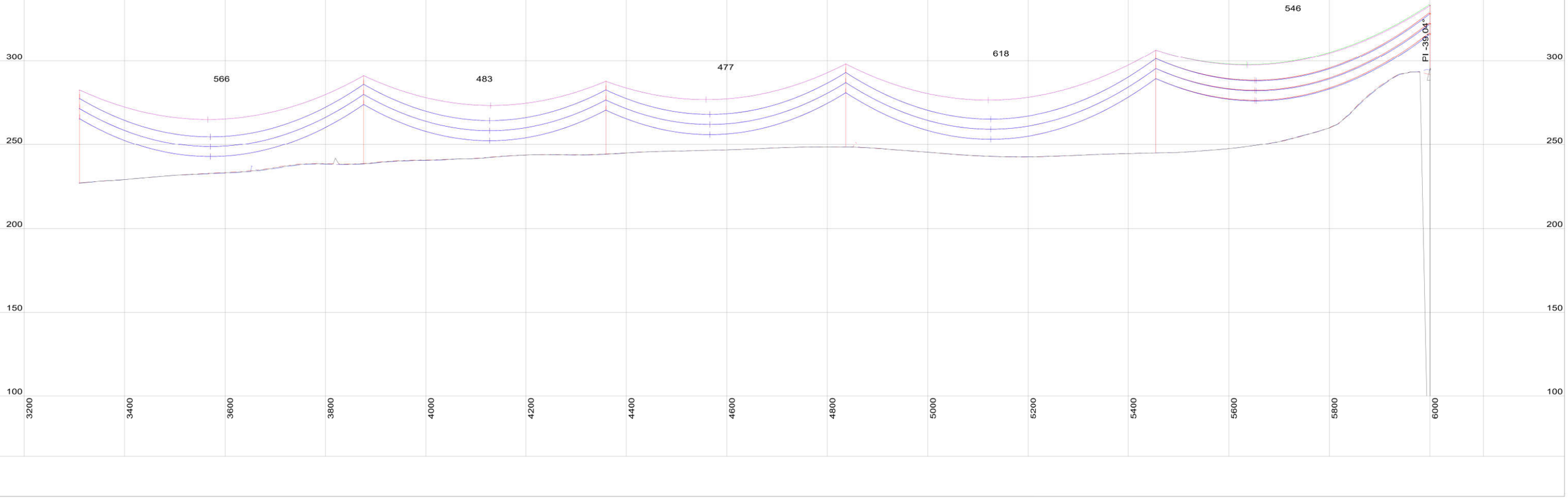
DJR_SLN_10
220KV COPPERSTRING 2.0 PROJECT
STA=3876
X=435913.76
Y=7703023.07
HT=52.70 ELE=238.58

DJR_SLN_11
220KV COPPERSTRING 2.0 PROJECT
STA=4359
X=435563.70
Y=7702690.24
HT=43.70 ELE=244.25

DJR_SLN_12
220KV COPPERSTRING 2.0 PROJECT
STA=4837
X=435217.76
Y=7702361.33
HT=49.70 ELE=248.56

DJR_SLN_13
220KV COPPERSTRING 2.0 PROJECT
STA=5455
X=434769.72
Y=7701935.35
HT=61.70 ELE=244.98

DJR_SLN_14
COPPER STRING 2.0
STA=6001
X=434374.19
Y=7701559.28
HT=37.90 ELE=295.68
LINE ANGLE=-39.04°



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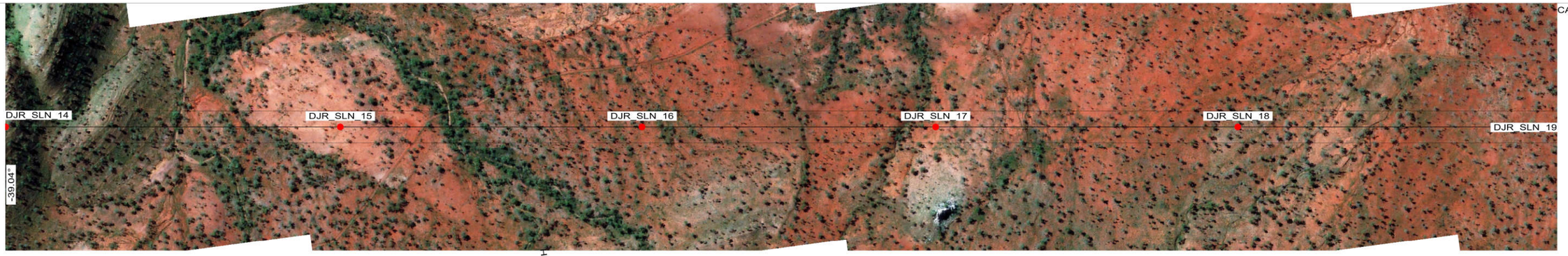
A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE | 100mm ON A1 ORIGINAL

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 3 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-03	3	A

CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

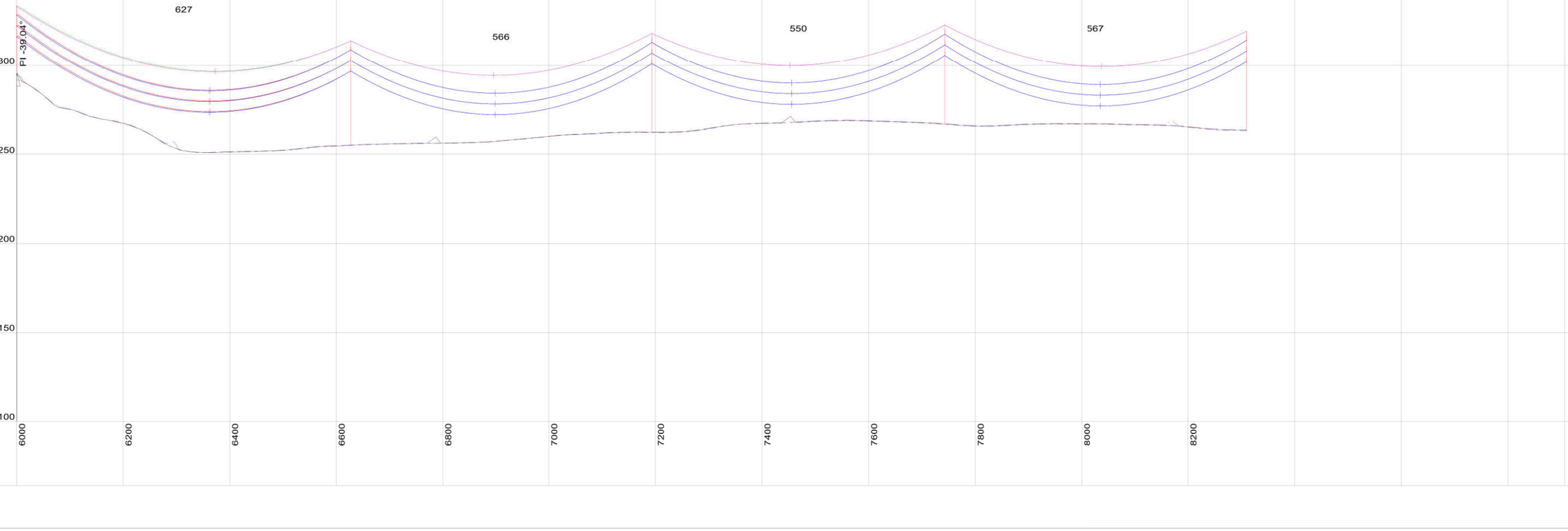
DJR_SLN_14
COPPER STRING 2.0
STA=6001
X=434374.19
Y=7701559.28
HT=37.90 ELE=295.68
LINE ANGLE=-39.04°

DJR_SLN_15
220KV COPPERSTRING 2.0 PROJECT
STA=6627
X=434293.36
Y=7700937.72
HT=58.70 ELE=255.35

DJR_SLN_16
220KV COPPERSTRING 2.0 PROJECT
STA=7193
X=434220.39
Y=7700376.54
HT=55.70 ELE=262.57

DJR_SLN_17
220KV COPPERSTRING 2.0 PROJECT
STA=7743
X=434149.52
Y=7699831.54
HT=55.70 ELE=267.23

DJR_SLN_18
220KV COPPERSTRING 2.0 PROJECT
STA=8309
X=434076.47
Y=7699269.75
HT=55.70 ELE=263.69



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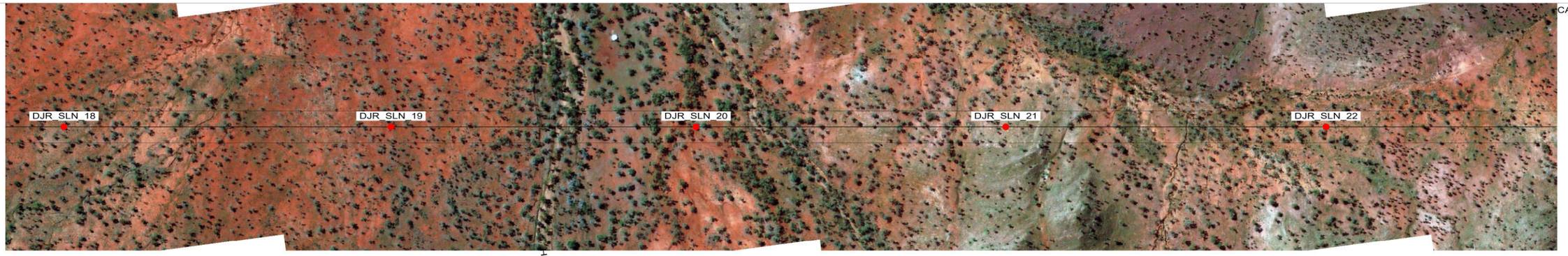
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A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE | 100mm ON A1 ORIGINAL

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 4 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-04	4	A



CADD DRAWING

40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

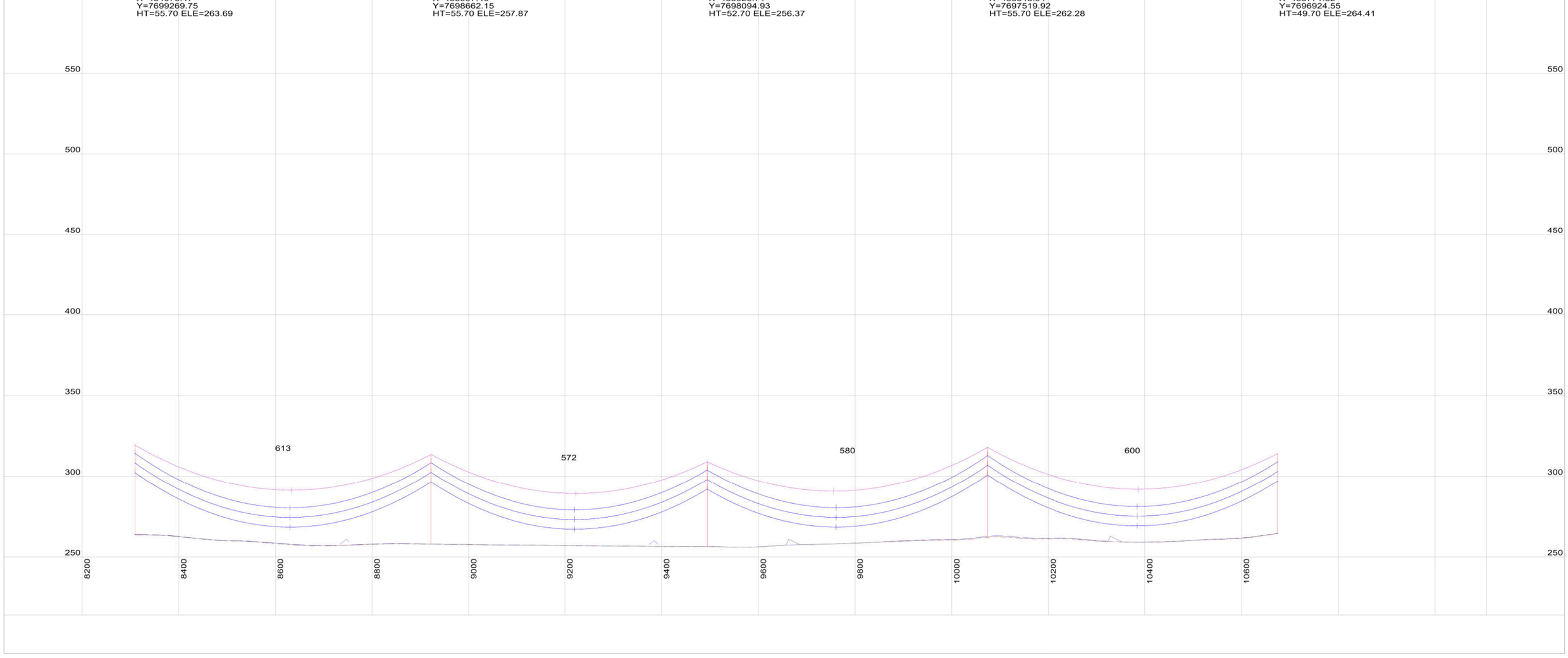
DJR_SLN_18
220KV COPPERSTRING 2.0 PROJECT
STA=8309
X=434076.47
Y=7699269.75
HT=55.70 ELE=263.69

DJR_SLN_19
220KV COPPERSTRING 2.0 PROJECT
STA=8922
X=433997.46
Y=7698662.15
HT=55.70 ELE=257.87

DJR_SLN_20
220KV COPPERSTRING 2.0 PROJECT
STA=9494
X=433923.71
Y=7698094.93
HT=52.70 ELE=256.37

DJR_SLN_21
220KV COPPERSTRING 2.0 PROJECT
STA=10074
X=433848.94
Y=7697519.92
HT=55.70 ELE=262.28

DJR_SLN_22
220KV COPPERSTRING 2.0 PROJECT
STA=10674
X=433771.52
Y=7696924.55
HT=49.70 ELE=264.41



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A1

SCALE@A1
AS SHOWN

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 5 OF 62

CLIENT
COPPERSTRING

UGL DRAWING NO.
3200-0643-DP6-DRG-05

SHEET
5

AMDT
A

CONFIRM SCALE
100mm ON A1 ORIGINAL



CADD DRAWING

40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

DJR_SLN_22
220KV COPPERSTRING 2.0 PROJECT
STA=10674
X=433771.52
Y=7696924.55
HT=49.70 ELE=264.41

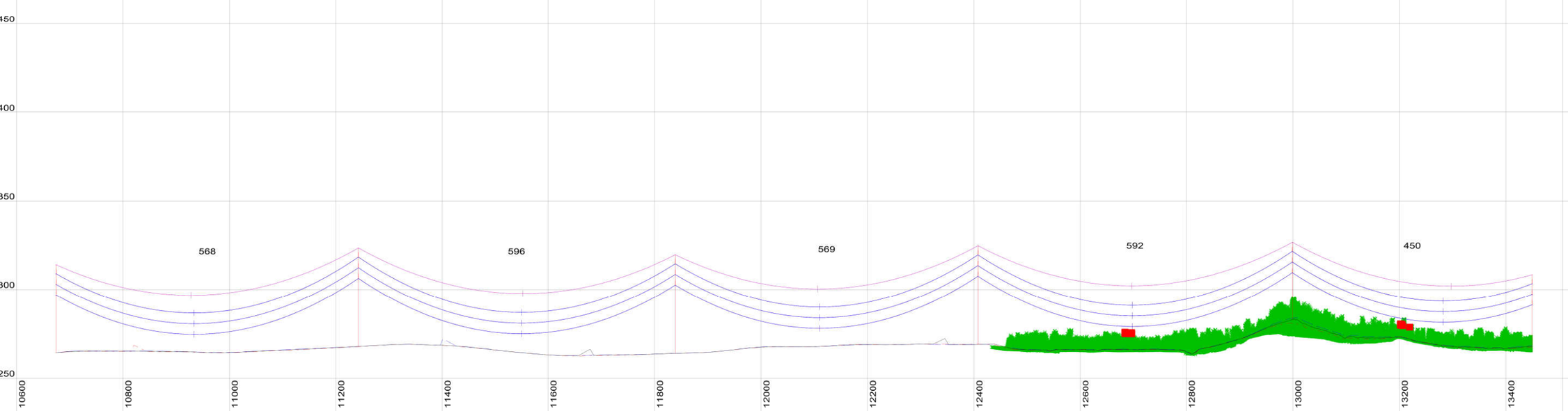
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220KV COPPERSTRING 2.0 PROJECT
STA=11243
X=433698.25
Y=7696361.07
HT=55.70 ELE=267.83

DJR_SLN_24
220KV COPPERSTRING 2.0 PROJECT
STA=11839
X=433621.35
Y=7695769.68
HT=55.70 ELE=264.04

DJR_SLN_25
220KV COPPERSTRING 2.0 PROJECT
STA=12408
X=433548.03
Y=7695205.88
HT=55.70 ELE=269.05

DJR_SLN_26
220KV COPPERSTRING 2.0 PROJECT
STA=12999
X=433471.74
Y=7694619.16
HT=43.70 ELE=283.44

DJR_SLN_27
220KV COPPERSTRING 2.0 PROJECT
STA=13449
X=433413.71
Y=7694172.87
HT=40.70 ELE=267.77



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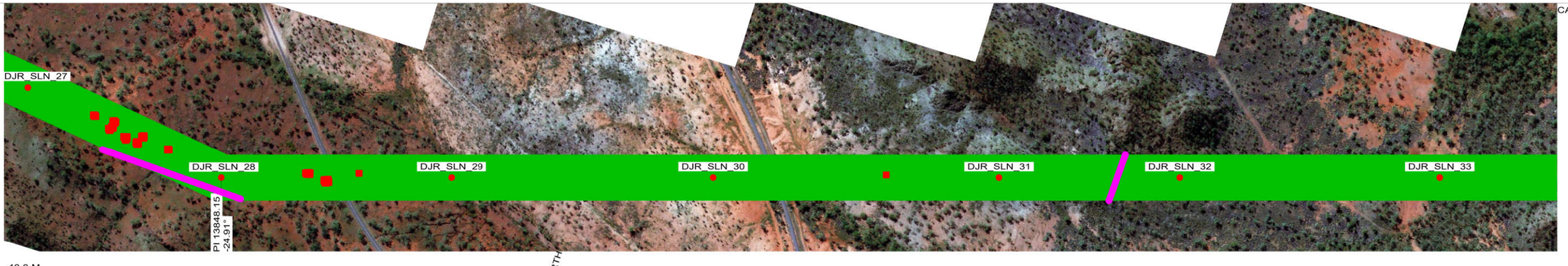
A1 | SCALE@A1 AS SHOWN

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 6 OF 62

CLIENT COPPERSTRING | UGL DRAWING NO. 3200-0643-DP6-DRG-06 | SHEET 6 | AMDT A

CONFIRM SCALE — 100mm ON A1 ORIGINAL



CADD DRAWING

40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

DJR_SLN_27
220KV COPPERSTRING 2.0 PROJECT
STA=13449
X=433413.71
Y=7694172.87
HT=40.70 ELE=267.77

DJR_SLN_28
COPPER STRING 2.0
STA=13848
X=433362.27
Y=7693777.28
HT=37.90 ELE=261.98
LINE ANGLE=-24.91°

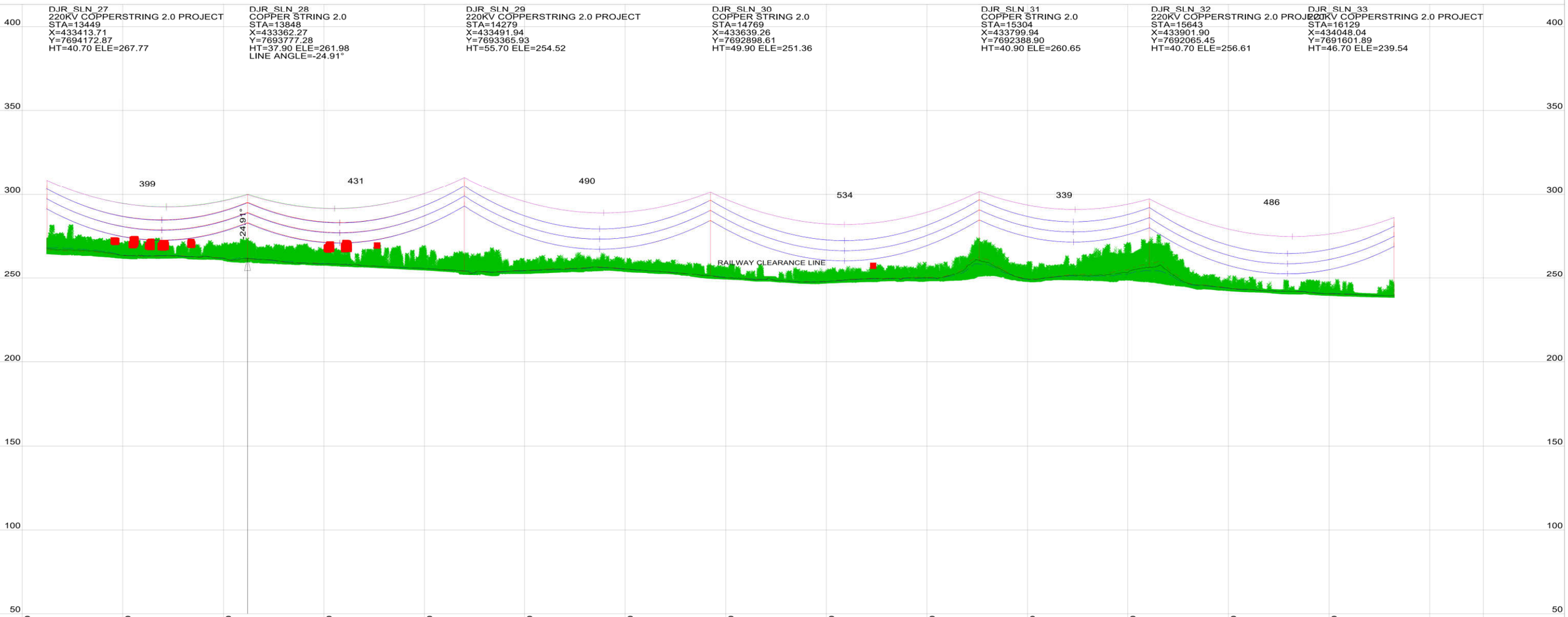
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220KV COPPERSTRING 2.0 PROJECT
STA=14279
X=433491.94
Y=7693365.93
HT=55.70 ELE=254.52

DJR_SLN_30
COPPER STRING 2.0
STA=14769
X=433639.26
Y=7692898.61
HT=49.90 ELE=251.36

DJR_SLN_31
COPPER STRING 2.0
STA=15304
X=433799.94
Y=7692388.90
HT=40.90 ELE=260.65

DJR_SLN_32
220KV COPPERSTRING 2.0 PROJECT
STA=15643
X=433901.90
Y=7692065.45
HT=40.70 ELE=256.61

DJR_SLN_33
220KV COPPERSTRING 2.0 PROJECT
STA=16129
X=434048.04
Y=7691601.89
HT=46.70 ELE=239.54



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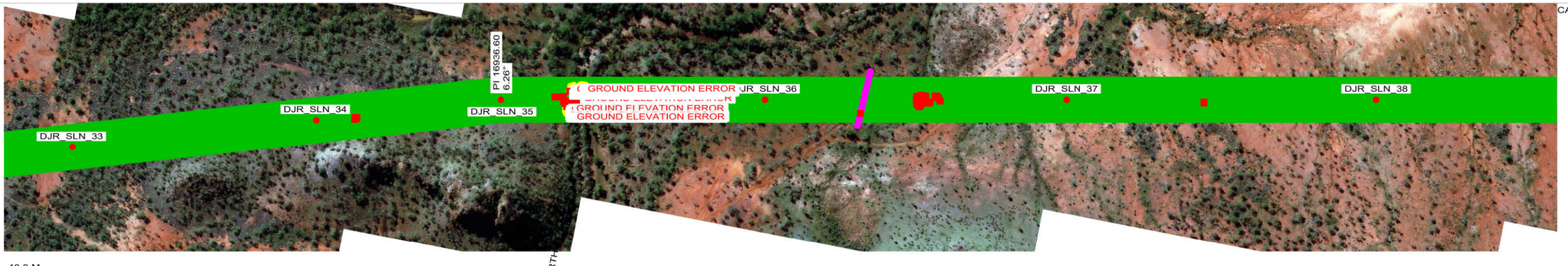
A1 | SCALE@A1 AS SHOWN

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 7 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-07	7	A

CONFIRM SCALE — 100mm ON A1 ORIGINAL



CADD DRAWING

40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION



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AMDT	AMENDMENT DETAILS	DESIGN	CHK'D	DRAWN	CHK'D	APP'D	DATE

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A1

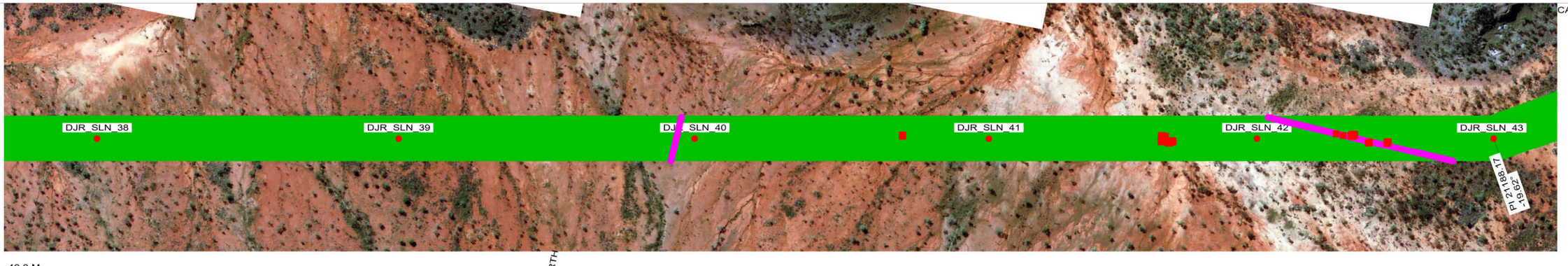
SCALE@A1
AS SHOWN

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 8 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-08	8	A

CONFIRM SCALE 100mm ON A1 ORIGINAL



CADD DRAWING

40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

DJR_SLN_38
220KV COPPERSTRING 2.0 PROJECT
STA=18574
X=434609.78
Y=7689225.73
HT=55.70 ELE=241.46

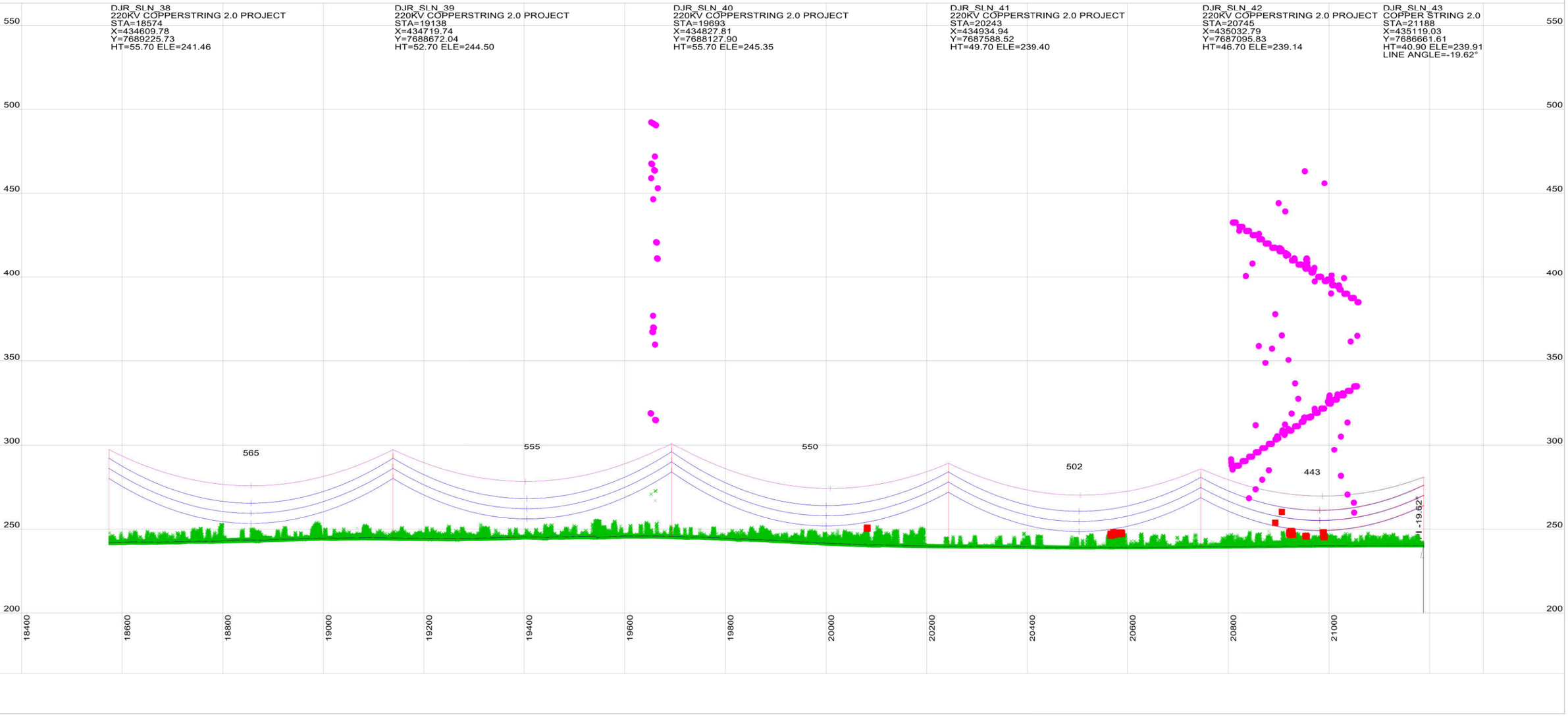
DJR_SLN_39
220KV COPPERSTRING 2.0 PROJECT
STA=19138
X=434719.74
Y=7688672.04
HT=52.70 ELE=244.50

DJR_SLN_40
220KV COPPERSTRING 2.0 PROJECT
STA=19693
X=434827.81
Y=7688127.90
HT=55.70 ELE=245.35

DJR_SLN_41
220KV COPPERSTRING 2.0 PROJECT
STA=20243
X=434934.94
Y=7687588.52
HT=49.70 ELE=239.40

DJR_SLN_42
220KV COPPERSTRING 2.0 PROJECT
STA=20745
X=435032.79
Y=7687095.83
HT=46.70 ELE=239.14

DJR_SLN_43
COPPER STRING 2.0
STA=21188
X=435119.03
Y=7686661.61
HT=40.90 ELE=239.91
LINE ANGLE=-19.62°



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A1

SCALE@A1
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COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 9 OF 62

CLIENT
COPPERSTRING

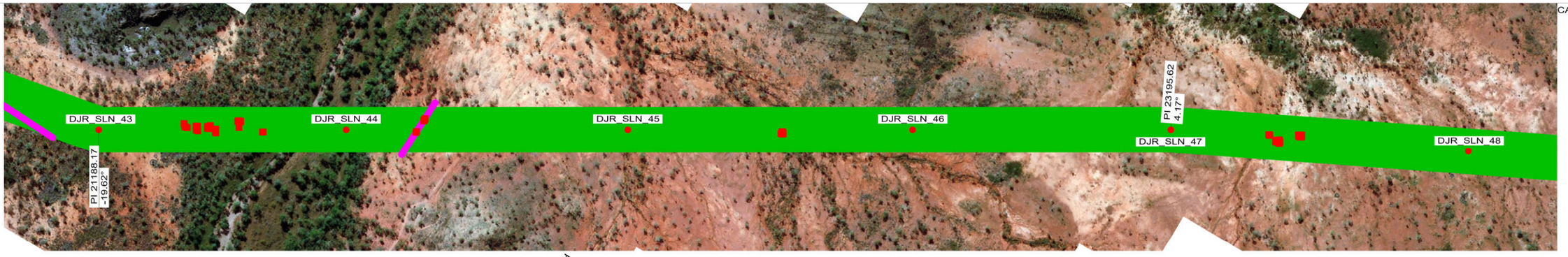
UGL DRAWING NO.
3200-0643-DP6-DRG-09

SHEET 9

AMDT A

CONFIRM SCALE 100mm ON A1 ORIGINAL

CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION



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A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 10 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-010	10	A

100mm ON A1 ORIGINAL

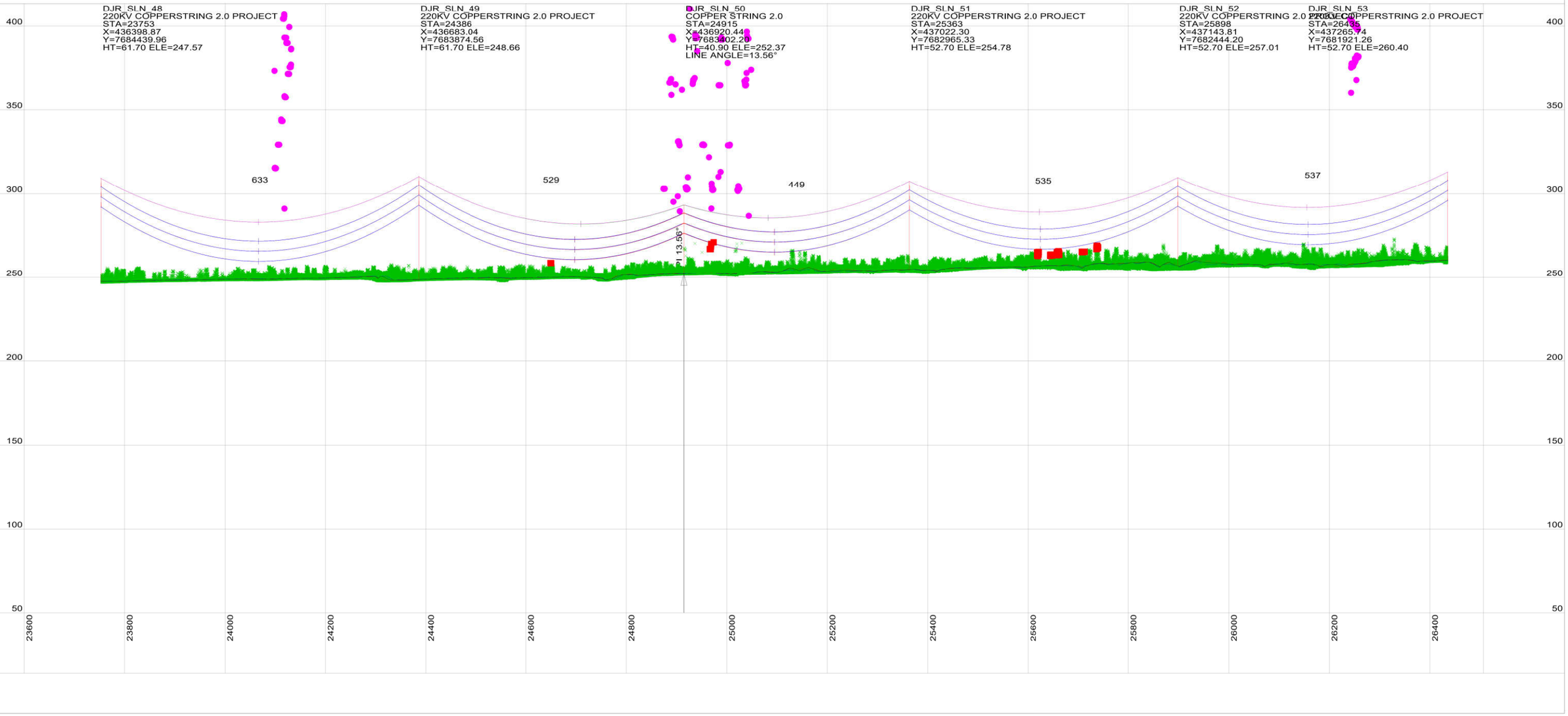


NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION



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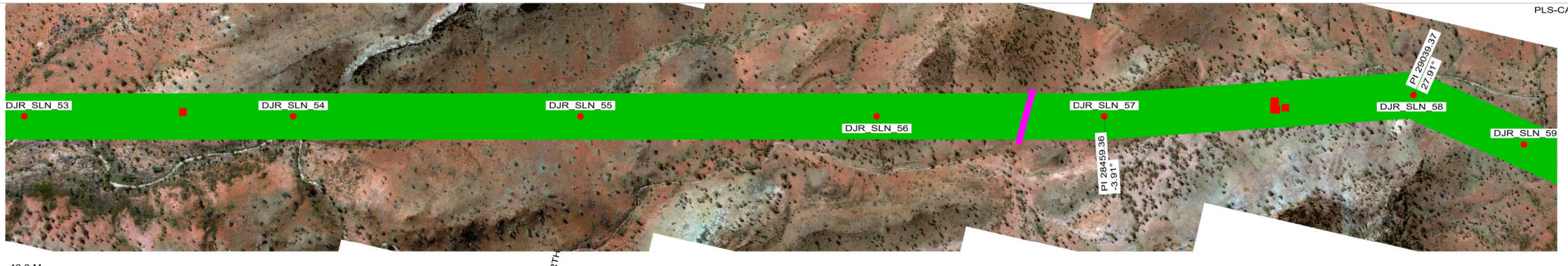
COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 11 OF 62

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A1	SCALE@A1	CLIENT	UGL DRAWING NO.	SHEET	AMDT
	AS SHOWN	COPPERSTRING	3200-0643-DP6-DRG-011	11	A

CONFIRM SCALE — 100mm ON A1 ORIGINAL

PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

DJR_SLN_53
220KV COPPERSTRING 2.0 PROJECT
STA=26435
X=437265.74
Y=7681921.26
HT=52.70 ELE=260.40

DJR_SLN_54
220KV COPPERSTRING 2.0 PROJECT
STA=26939
X=437380.14
Y=7681430.63
HT=49.70 ELE=269.97

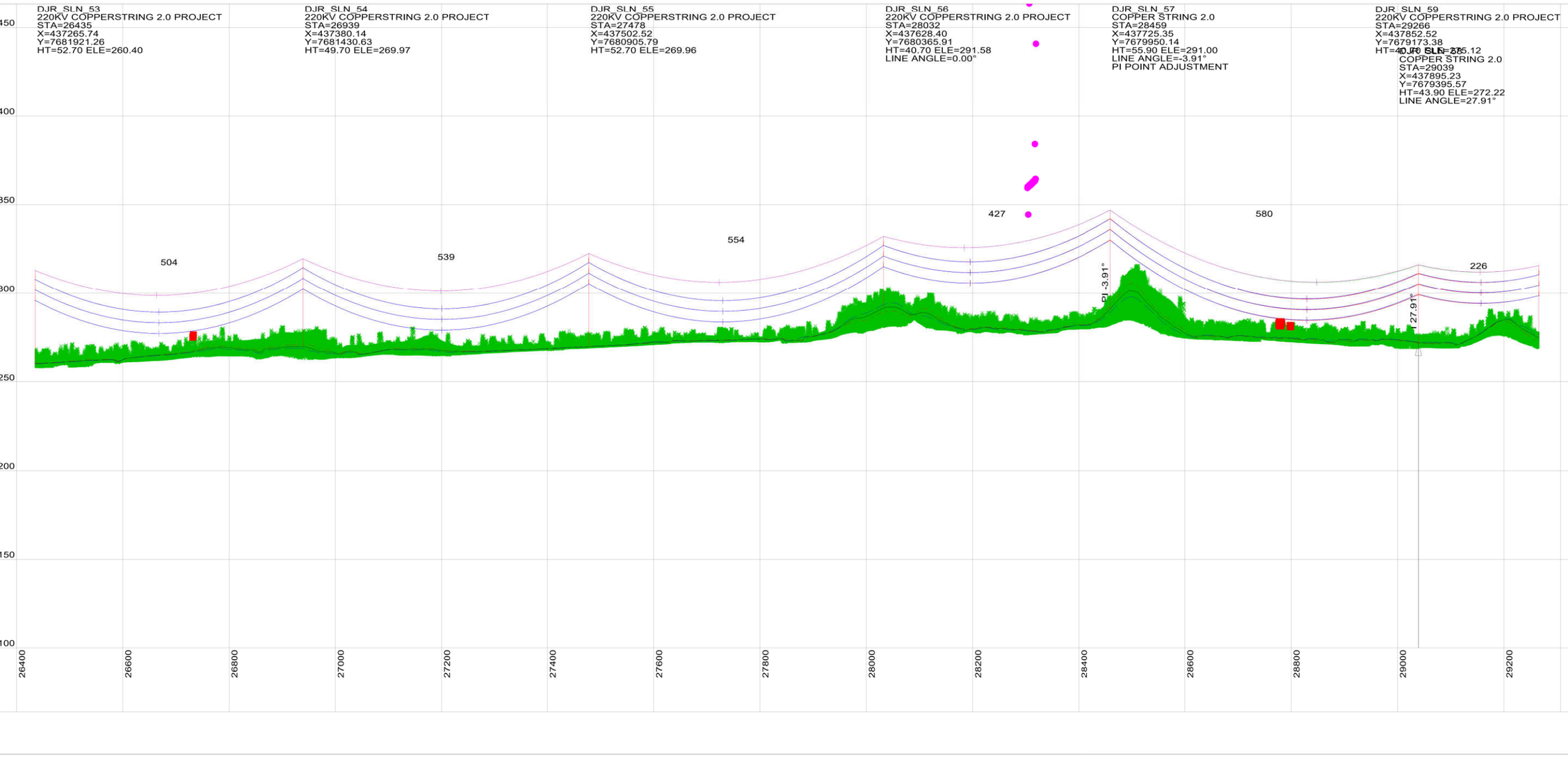
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220KV COPPERSTRING 2.0 PROJECT
STA=27478
X=437502.52
Y=7680905.79
HT=52.70 ELE=269.96

DJR_SLN_56
220KV COPPERSTRING 2.0 PROJECT
STA=28032
X=437628.40
Y=7680365.91
HT=40.70 ELE=291.58
LINE ANGLE=0.00°

DJR_SLN_57
COPPER STRING 2.0
STA=28459
X=437725.35
Y=7679950.14
HT=55.90 ELE=291.00
LINE ANGLE=-3.91°
PI POINT ADJUSTMENT

DJR_SLN_59
220KV COPPERSTRING 2.0 PROJECT
STA=29266
X=437852.52
Y=7679173.38
HT=40.70 ELE=285.12

COPPER STRING 2.0
STA=29039
X=437895.23
Y=7679395.57
HT=43.90 ELE=272.22
LINE ANGLE=27.91°



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A1 | SCALE@A1 AS SHOWN

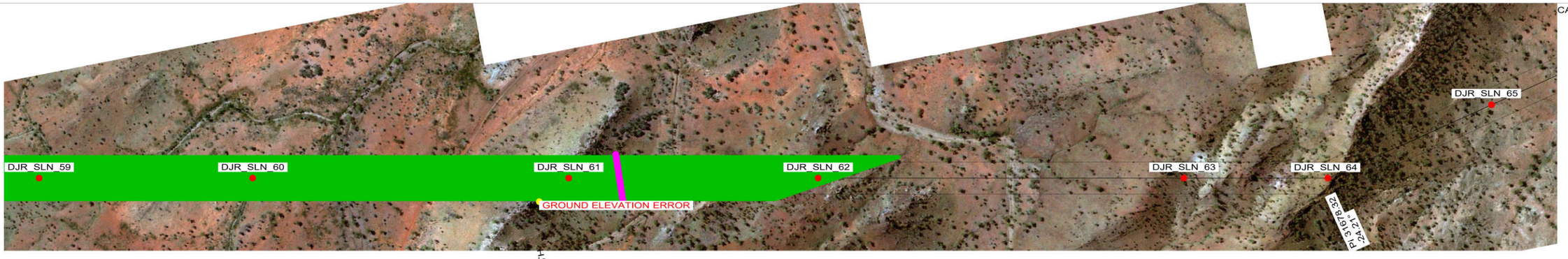
UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 12 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-012	12	A

CONFIRM SCALE 100mm ON A1 ORIGINAL

CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

■ -VEGETATION ENCROACHMENT

■ -VEGETATION

DJR_SLN_59
220KV COPPERSTRING 2.0 PROJECT
STA=29266
X=437852.52
Y=7679173.38
HT=40.70 ELE=275.12

DJR_SLN_60
220KV COPPERSTRING 2.0 PROJECT
STA=29665
X=437777.06
Y=7678780.81
HT=58.70 ELE=264.39

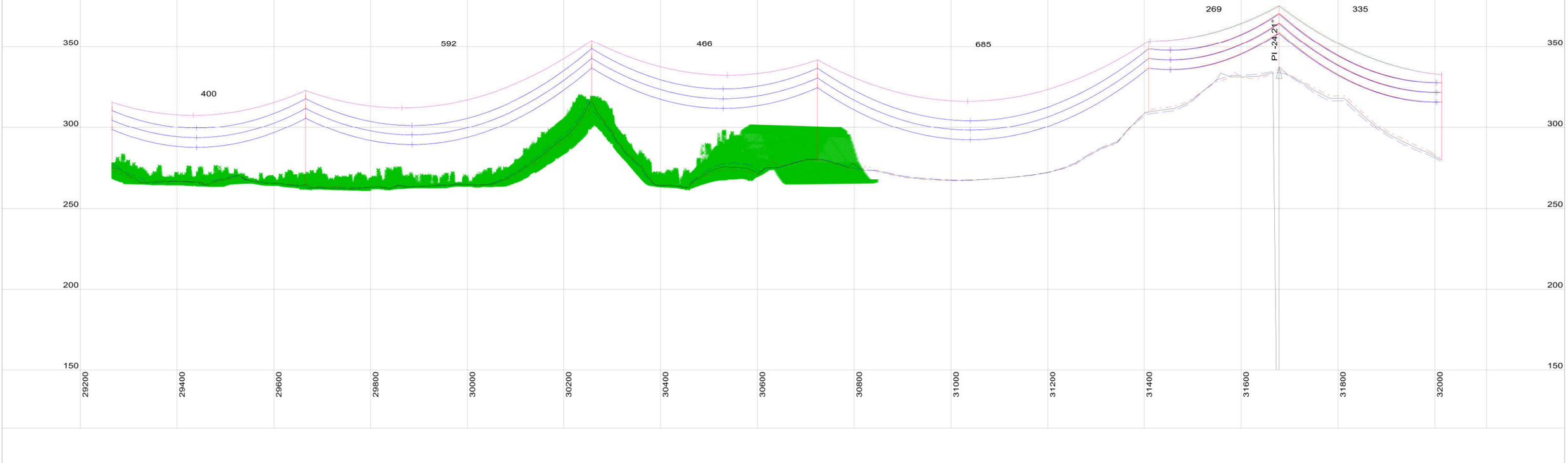
DJR_SLN_61
220KV COPPERSTRING 2.0 PROJECT
STA=30258
X=437665.23
Y=7678199.06
HT=38.00 ELE=316.08

DJR_SLN_62
220KV COPPERSTRING 2.0 PROJECT
STA=30724
X=437577.21
Y=7677741.18
HT=61.70 ELE=280.22

DJR_SLN_63
COPPER STRING 2.0
STA=31409
X=437447.92
Y=7677068.55
HT=43.90 ELE=309.68

DJR_SLN_64
COPPER STRING 2.0
STA=31678
X=437397.07
Y=7676804.06
HT=37.90 ELE=337.59
LINE ANGLE=-24.21°

DJR_SLN_65
COPPER STRING 2.0
STA=32014
X=437474.42
Y=7676477.63
HT=52.90 ELE=279.81



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A1 | SCALE@A1 AS SHOWN

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 13 OF 62

CLIENT COPPERSTRING | UGL DRAWING NO. 3200-0643-DP6-DRG-013 | SHEET 13 | AMDT A

CONFIRM SCALE — 100mm ON A1 ORIGINAL

CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

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COPPER STRING 2.0
STA=32014
X=437474.42
Y=7676477.63
HT=52.90 ELE=279.81

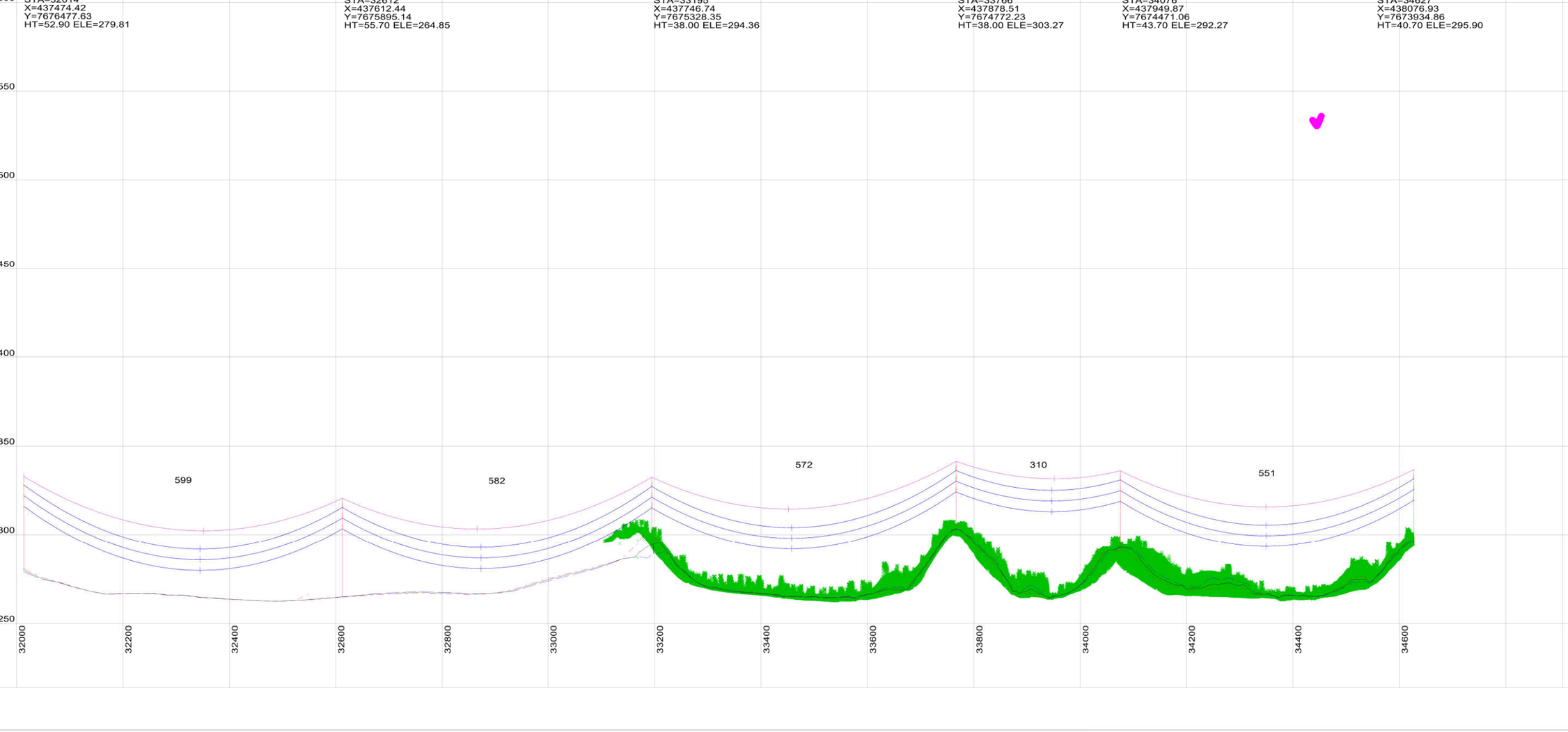
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Y=7675895.14
HT=55.70 ELE=264.85

DJR_SLN_67
220KV COPPERSTRING 2.0 PROJECT
STA=33195
X=437746.74
Y=7675328.35
HT=38.00 ELE=294.36

DJR_SLN_68
220KV COPPERSTRING 2.0 PROJECT
STA=33766
X=437878.51
Y=7674772.23
HT=38.00 ELE=303.27

DJR_SLN_69
220KV COPPERSTRING 2.0 PROJECT
STA=34076
X=437949.87
Y=7674471.06
HT=43.70 ELE=292.27

DJR_SLN_70
220KV COPPERSTRING 2.0 PROJECT
STA=34627
X=438076.93
Y=7673934.86
HT=40.70 ELE=295.90



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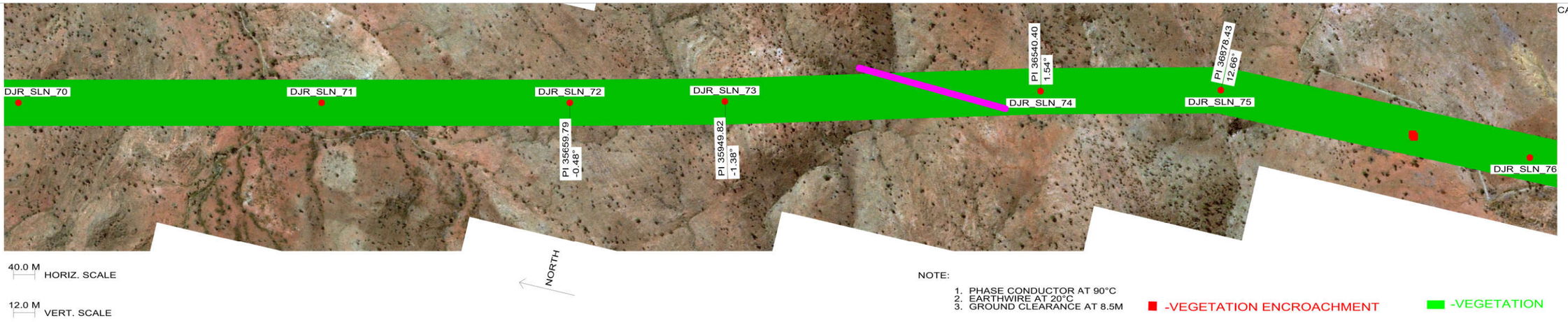
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COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 14 OF 62

A1	SCALE@A1	CLIENT	UGL DRAWING NO.	SHEET	AMDT
	AS SHOWN	COPPERSTRING	3200-0643-DP6-DRG-014	14	A

CONFIRM SCALE 100mm ON A1 ORIGINAL



NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

DJR_SLN_70
220KV COPPERSTRING 2.0 PROJECT
STA=34627
X=438076.93
Y=7673934.86
HT=40.70 ELE=295.90

DJR_SLN_71
COPPER STRING 2.0
STA=35194
X=438207.77
Y=7673382.64
HT=43.90 ELE=262.76

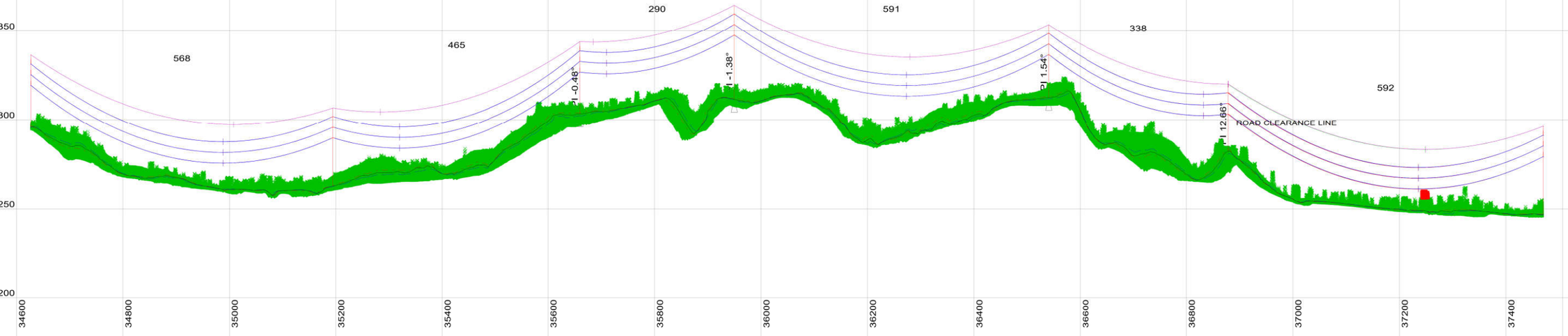
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220KV COPPERSTRING 2.0 PROJECT
STA=35660
X=438315.06
Y=7672929.87
HT=40.70 ELE=303.33
LINE ANGLE=-0.48°

DJR_SLN_73
COPPER STRING 2.0
STA=35950
X=438384.28
Y=7672648.22
HT=52.90 ELE=311.59
LINE ANGLE=-1.38°
PI POINT ADJUSTED

DJR_SLN_74
COPPER STRING 2.0
STA=36540
X=438539.00
Y=7672078.27
HT=40.90 ELE=312.62
LINE ANGLE=1.54°
MODIFICATION OF 71 PI RESULTS IN >0.5DEG ANGLE - TENSION REQUIRED

DJR_SLN_75
COPPER STRING 2.0
STA=36878
X=438618.76
Y=7671749.78
HT=37.90 ELE=282.19
LINE ANGLE=12.66°

DJR_SLN_76
220KV COPPERSTRING 2.0 PROJECT
STA=37470
X=438628.94
Y=7671158.27
HT=49.70 ELE=246.75
LINE ANGLE=0.00°



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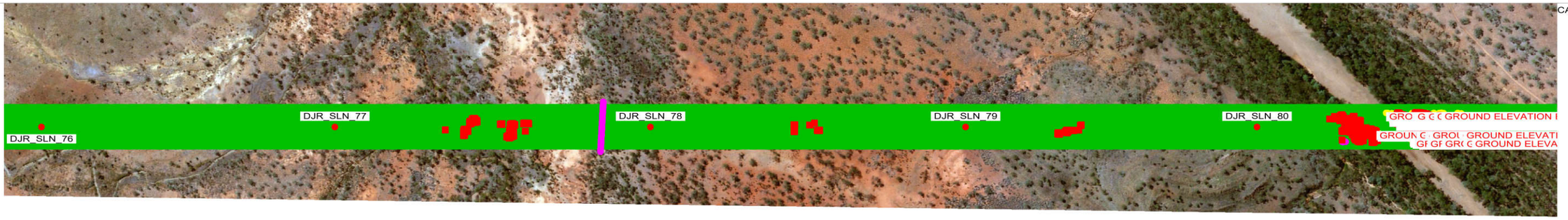
AMDT	AMENDMENT DETAILS	DESIGN	CHK'D	DRAWN	CHK'D	APP'D	DATE

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DRAWN		DAJARRA ROAD TO PHOSPHATEHILL
CHECKED		220KV D/C TRANSMISSION LINE
APPROVED		PLAN AND PROFILE
		SHEET 15 OF 62

DOCUMENT STATUS	SCALE@A1	CLIENT	UGL DRAWING NO.	SHEET	AMDT
A1	AS SHOWN	COPPERSTRING	3200-0643-DP6-DRG-015	15	A

CONFIRM SCALE — 100mm ON A1 ORIGINAL



CADD DRAWING

40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

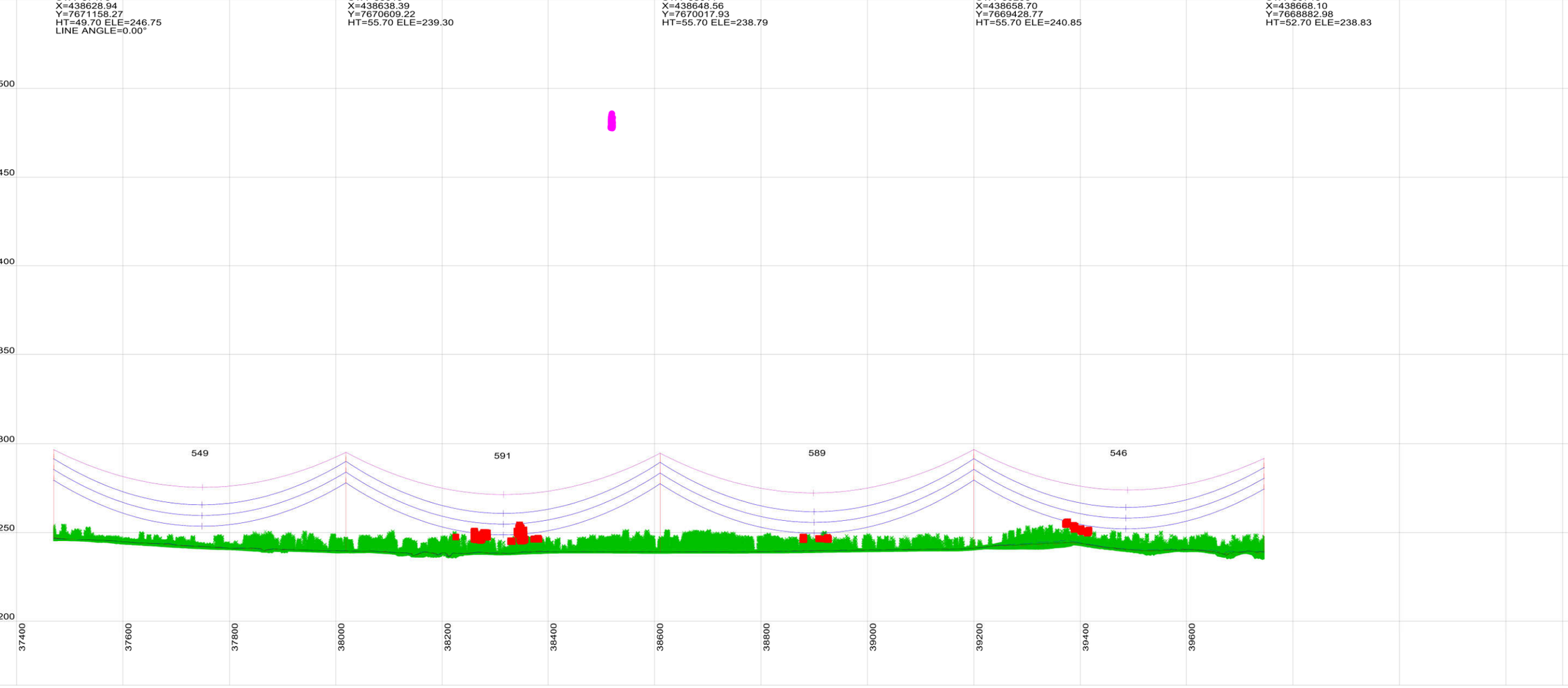
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220KV COPPERSTRING 2.0 PROJECT
STA=37470
X=438628.94
Y=7671158.27
HT=49.70 ELE=246.75
LINE ANGLE=0.00°

DJR_SLN_77
220KV COPPERSTRING 2.0 PROJECT
STA=38019
X=438638.39
Y=7670609.22
HT=55.70 ELE=239.30

DJR_SLN_78
220KV COPPERSTRING 2.0 PROJECT
STA=38611
X=438648.56
Y=7670017.93
HT=55.70 ELE=238.79

DJR_SLN_79
220KV COPPERSTRING 2.0 PROJECT
STA=39200
X=438658.70
Y=7669428.77
HT=55.70 ELE=240.85

DJR_SLN_80
220KV COPPERSTRING 2.0 PROJECT
STA=39746
X=438668.10
Y=7668882.98
HT=52.70 ELE=238.83



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A1

SCALE@A1 AS SHOWN

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 16 OF 62

CLIENT COPPERSTRING

UGL DRAWING NO. 3200-0643-DP6-DRG-016

SHEET 16

AMDT A

CONFIRM SCALE 100mm ON A1 ORIGINAL

PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

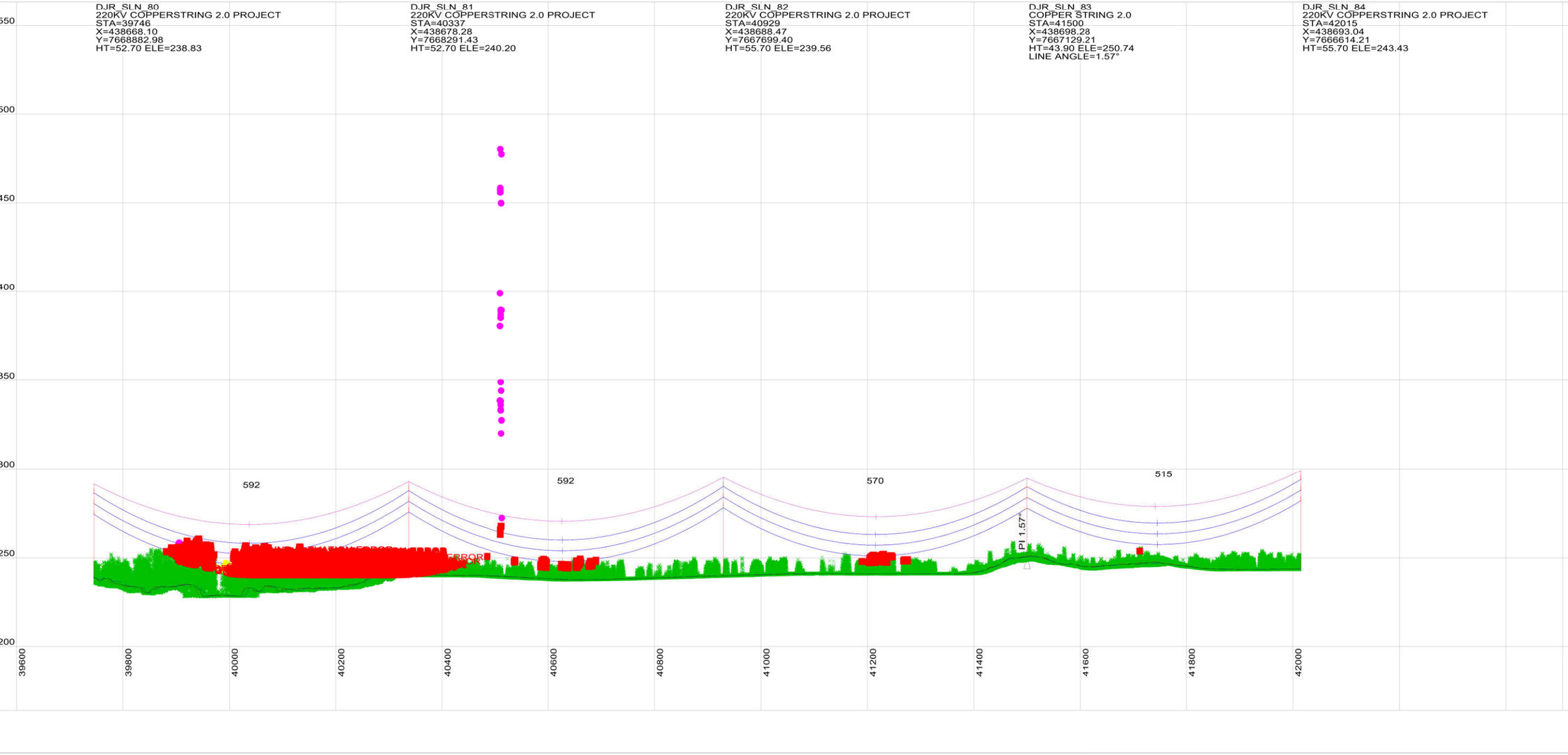
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X=438668.10
Y=7668882.98
HT=52.70 ELE=238.83

DJR_SLN_81
220KV COPPERSTRING 2.0 PROJECT
STA=40337
X=438678.28
Y=7668291.43
HT=52.70 ELE=240.20

DJR_SLN_82
220KV COPPERSTRING 2.0 PROJECT
STA=40929
X=438688.47
Y=7667699.40
HT=55.70 ELE=239.56

DJR_SLN_83
COPPER STRING 2.0
STA=41500
X=438698.28
Y=7667129.21
HT=43.90 ELE=250.74
LINE ANGLE=1.57°

DJR_SLN_84
220KV COPPERSTRING 2.0 PROJECT
STA=42015
X=438693.04
Y=7666614.21
HT=55.70 ELE=243.43



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AMDT	AMENDMENT DETAILS	DESIGN	CHK'D	DRAWN	CHK'D	APP'D	DATE

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A1 | SCALE@A1 AS SHOWN

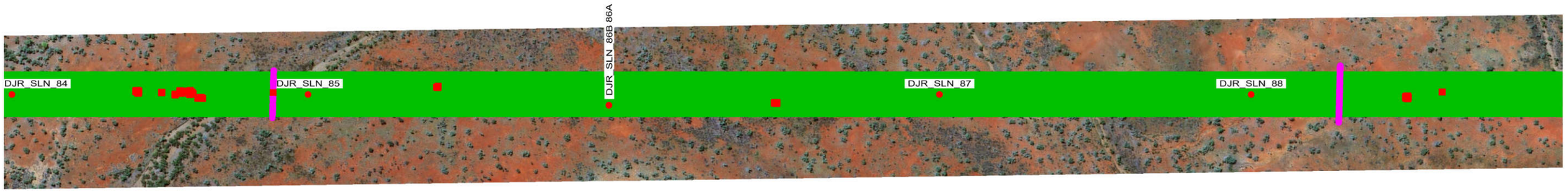
UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 17 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-017	17	A

CONFIRM SCALE 100mm ON A1 ORIGINAL

PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

DJR_SLN_84
220KV COPPERSTRING 2.0 PROJECT
STA=42015
X=438693.04
Y=7666614.21
HT=55.70 ELE=243.43

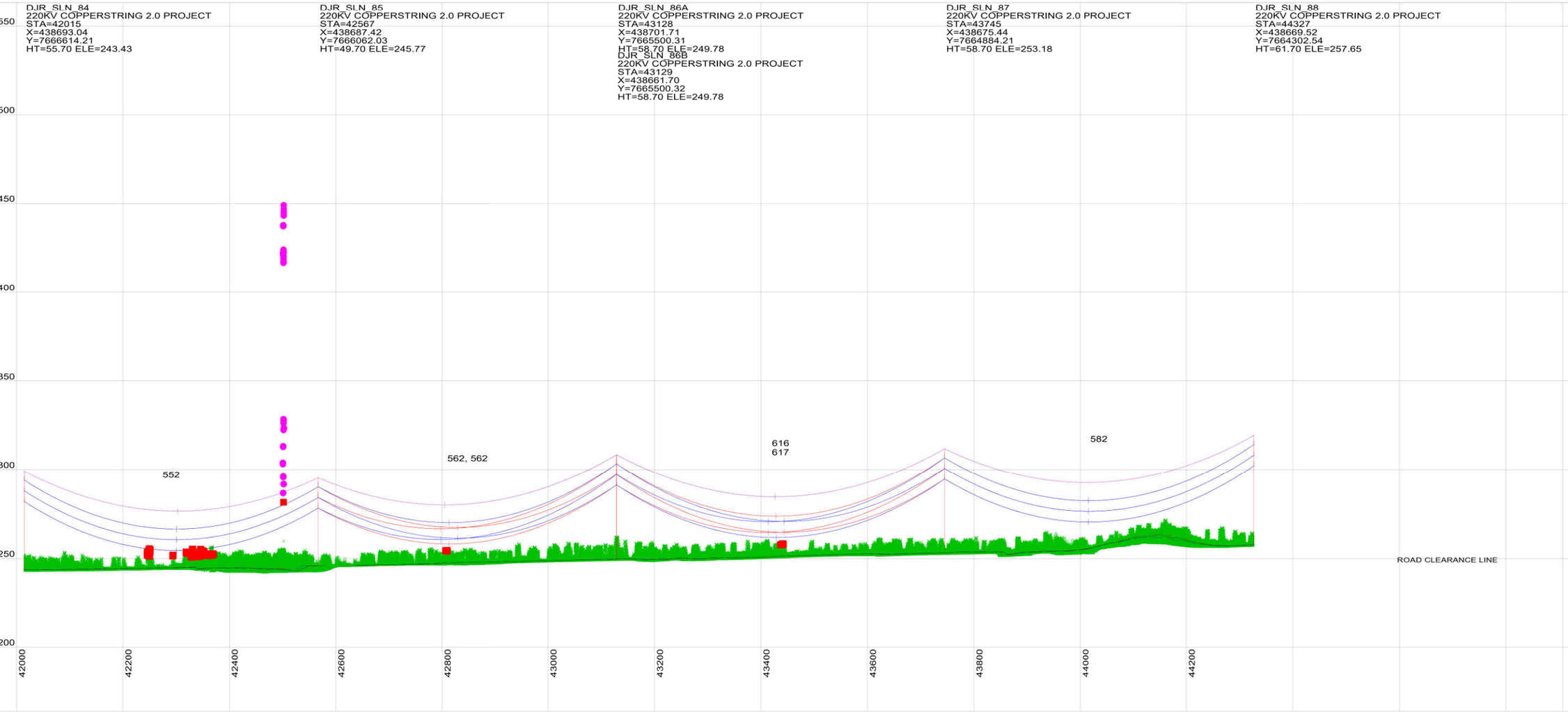
DJR_SLN_85
220KV COPPERSTRING 2.0 PROJECT
STA=42567
X=438687.42
Y=7666062.03
HT=49.70 ELE=245.77

DJR_SLN_86A
220KV COPPERSTRING 2.0 PROJECT
STA=43128
X=438701.71
Y=7665500.31
HT=58.70 ELE=249.78

DJR_SLN_86B
220KV COPPERSTRING 2.0 PROJECT
STA=43129
X=438661.70
Y=7665500.32
HT=58.70 ELE=249.78

DJR_SLN_87
220KV COPPERSTRING 2.0 PROJECT
STA=43745
X=438675.44
Y=7664884.21
HT=58.70 ELE=253.18

DJR_SLN_88
220KV COPPERSTRING 2.0 PROJECT
STA=44327
X=438669.52
Y=7664302.54
HT=61.70 ELE=257.65



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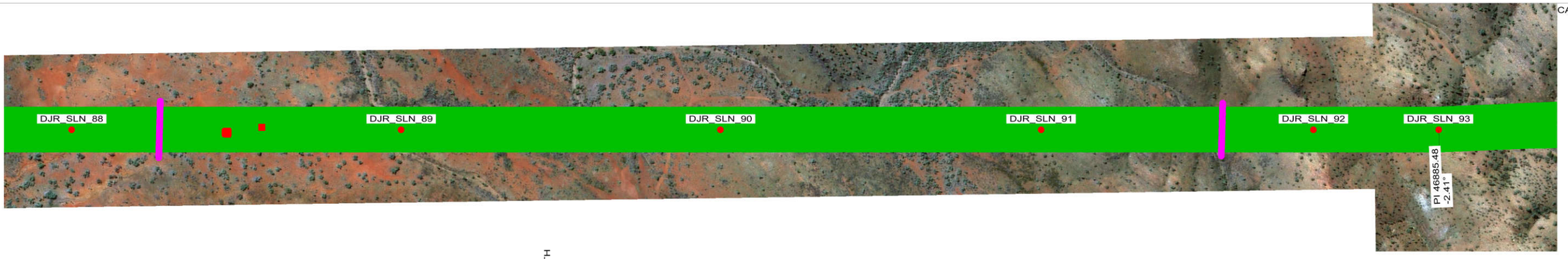
A1 | SCALE@A1 AS SHOWN | CLIENT COPPERSTRING | UGL DRAWING NO. 3200-0643-DP6-DRG-018 | SHEET 18 | AMDT A

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 18 OF 62

CONFIRM SCALE 100mm ON A1 ORIGINAL

CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

DJR_SLN_88
220KV COPPERSTRING 2.0 PROJECT
STA=44327
X=438669.52
Y=7664302.54
HT=61.70 ELE=257.65

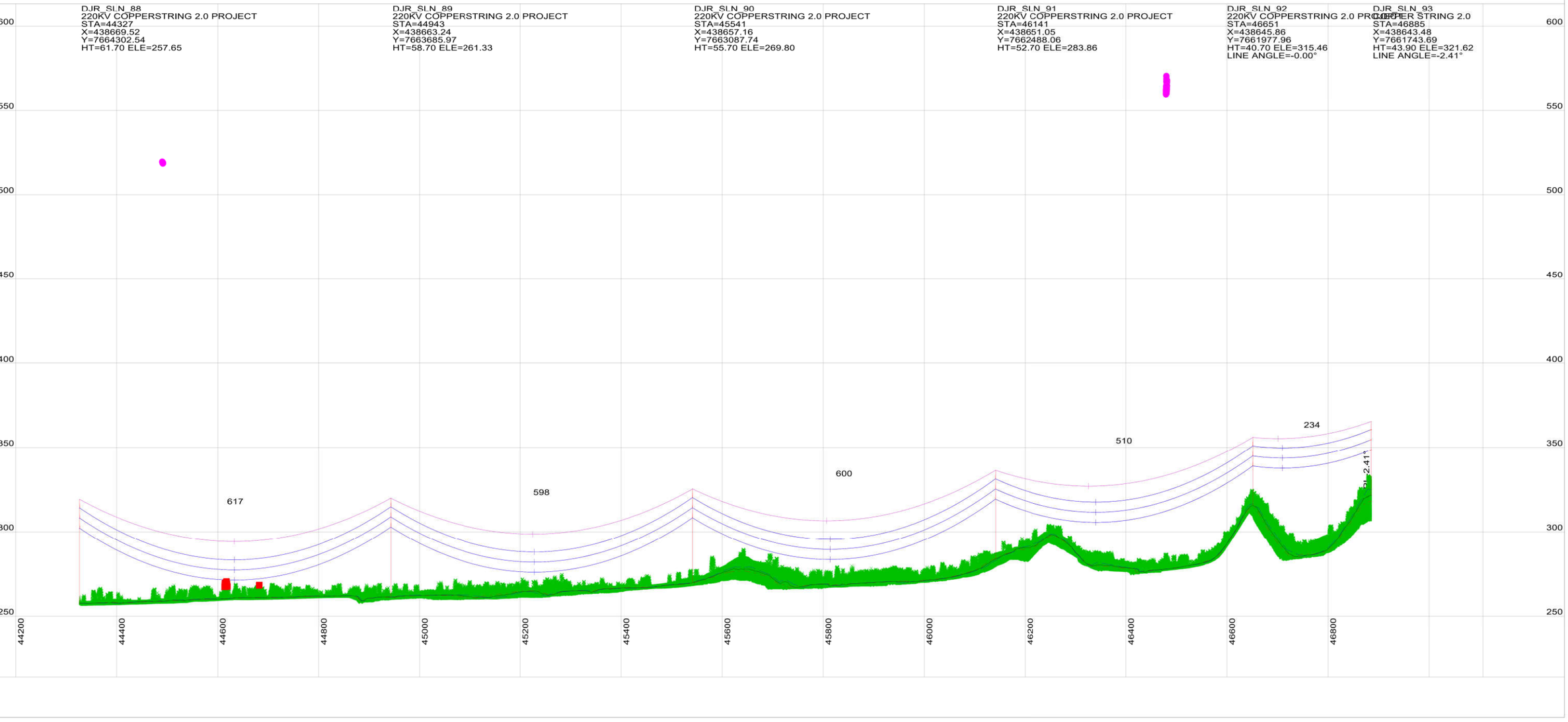
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220KV COPPERSTRING 2.0 PROJECT
STA=44943
X=438663.24
Y=7663685.97
HT=58.70 ELE=261.33

DJR_SLN_90
220KV COPPERSTRING 2.0 PROJECT
STA=45541
X=438657.16
Y=7663087.74
HT=55.70 ELE=269.80

DJR_SLN_91
220KV COPPERSTRING 2.0 PROJECT
STA=46141
X=438651.05
Y=7662488.06
HT=52.70 ELE=283.86

DJR_SLN_92
220KV COPPERSTRING 2.0 PROJECT
STA=46651
X=438645.86
Y=7661977.96
HT=40.70 ELE=315.46
LINE ANGLE=-0.00°

DJR_SLN_93
220KV COPPERSTRING 2.0 PROJECT
STA=46885
X=438643.48
Y=7661743.69
HT=43.90 ELE=321.62
LINE ANGLE=-2.41°



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A1

SCALE@A1 AS SHOWN

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 19 OF 62

CLIENT COPPERSTRING

UGL DRAWING NO. 3200-0643-DP6-DRG-019

SHEET 19

AMDT A

CONFIRM SCALE 100mm ON A1 ORIGINAL

PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

DJR_SLN_93
COPPER STRING 2.0
STA=46885
X=438643.48
Y=7661743.69
HT=43.90 ELE=321.62
LINE ANGLE=-2.41°

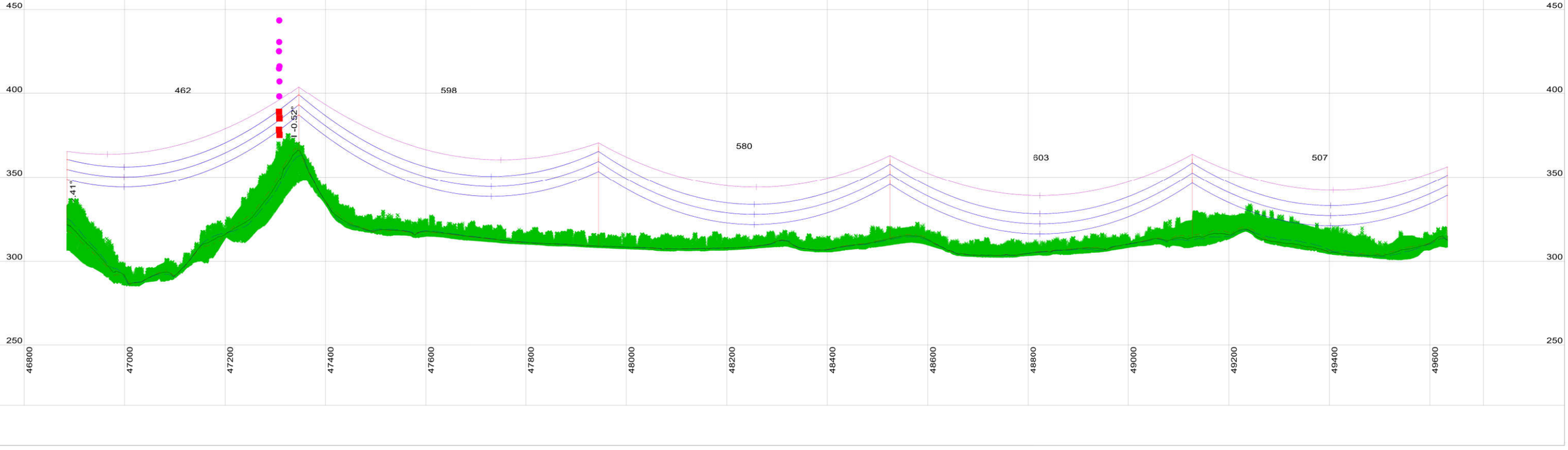
DJR_SLN_94
COPPER STRING 2.0
STA=47347
X=438658.24
Y=7661282.36
HT=37.90 ELE=366.12
LINE ANGLE=-0.52°

DJR_SLN_95
220KV COPPERSTRING 2.0 PROJECT
STA=47945
X=438682.76
Y=7660685.15
HT=61.70 ELE=308.97

DJR_SLN_96
220KV COPPERSTRING 2.0 PROJECT
STA=48525
X=438706.56
Y=7660105.75
HT=49.70 ELE=313.39

DJR_SLN_97
220KV COPPERSTRING 2.0 PROJECT
STA=49127
X=438731.29
Y=7659503.41
HT=49.70 ELE=314.11

DJR_SLN_98
220KV COPPERSTRING 2.0 PROJECT
STA=49635
X=438752.11
Y=7658996.55
HT=43.70 ELE=312.67



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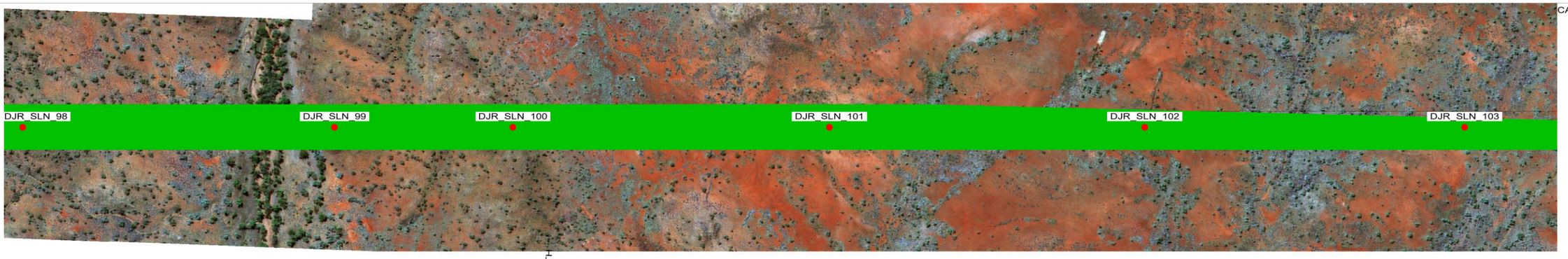
A1 | SCALE@A1 AS SHOWN

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 20 OF 62

CLIENT COPPERSTRING | UGL DRAWING NO. 3200-0643-DP6-DRG-020 | SHEET 20 | AMDT A

CONFIRM SCALE — 100mm ON A1 ORIGINAL



CADD DRAWING

40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

DJR_SLN_98
220KV COPPERSTRING 2.0 PROJECT
STA=49635
X=438752.11
Y=7658996.55
HT=43.70 ELE=312.67

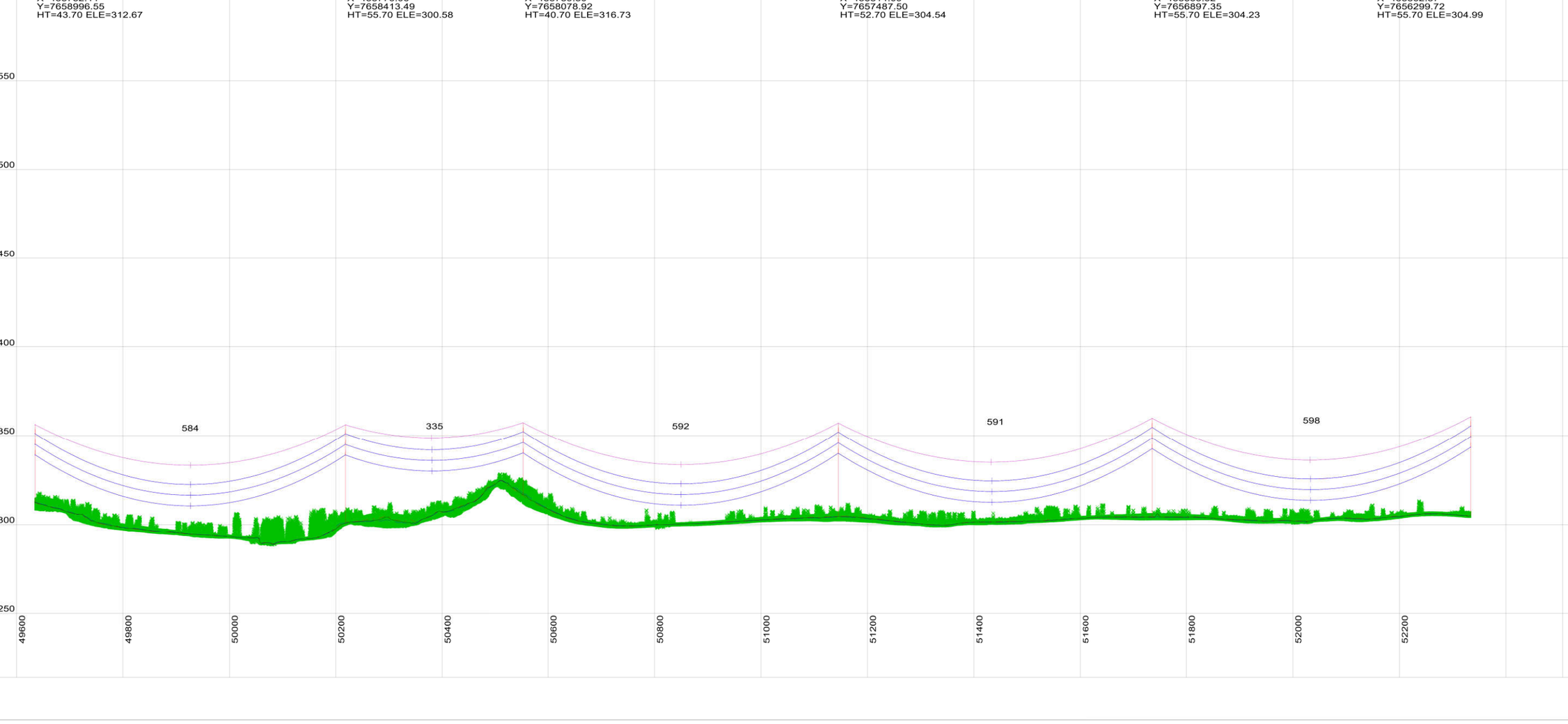
DJR_SLN_99
220KV COPPERSTRING 2.0 PROJECT
STA=50218
X=438776.06
Y=7658413.49
HT=55.70 ELE=300.58

DJR_SLN_100
220KV COPPERSTRING 2.0 PROJECT
STA=50553
X=438789.80
Y=7658078.92
HT=40.70 ELE=316.73

DJR_SLN_101
220KV COPPERSTRING 2.0 PROJECT
STA=51145
X=438814.09
Y=7657487.50
HT=52.70 ELE=304.54

DJR_SLN_102
220KV COPPERSTRING 2.0 PROJECT
STA=51736
X=438838.32
Y=7656897.35
HT=55.70 ELE=304.23

DJR_SLN_103
220KV COPPERSTRING 2.0 PROJECT
STA=52334
X=438862.87
Y=7656299.72
HT=55.70 ELE=304.99



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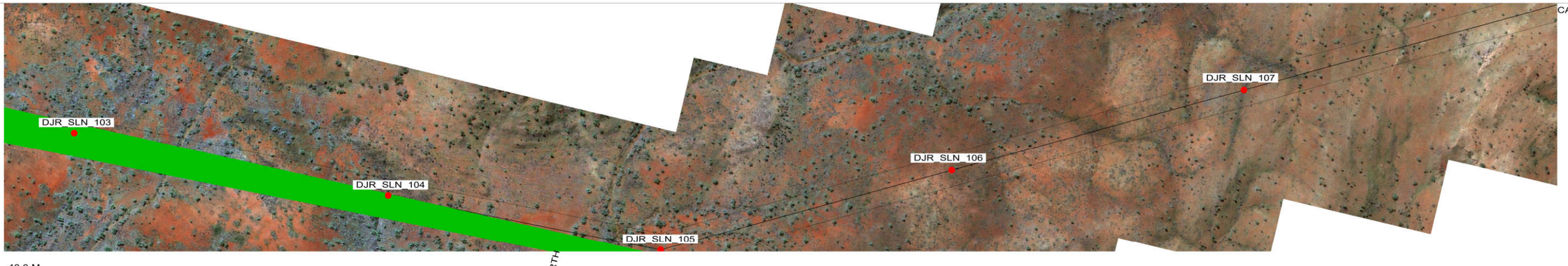
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A1 | SCALE@A1 AS SHOWN | CLIENT COPPERSTRING | UGL DRAWING NO. 3200-0643-DP6-DRG-021 | SHEET 21 | AMDT A

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 21 OF 62

CONFIRM SCALE 100mm ON A1 ORIGINAL



CADD DRAWING

40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

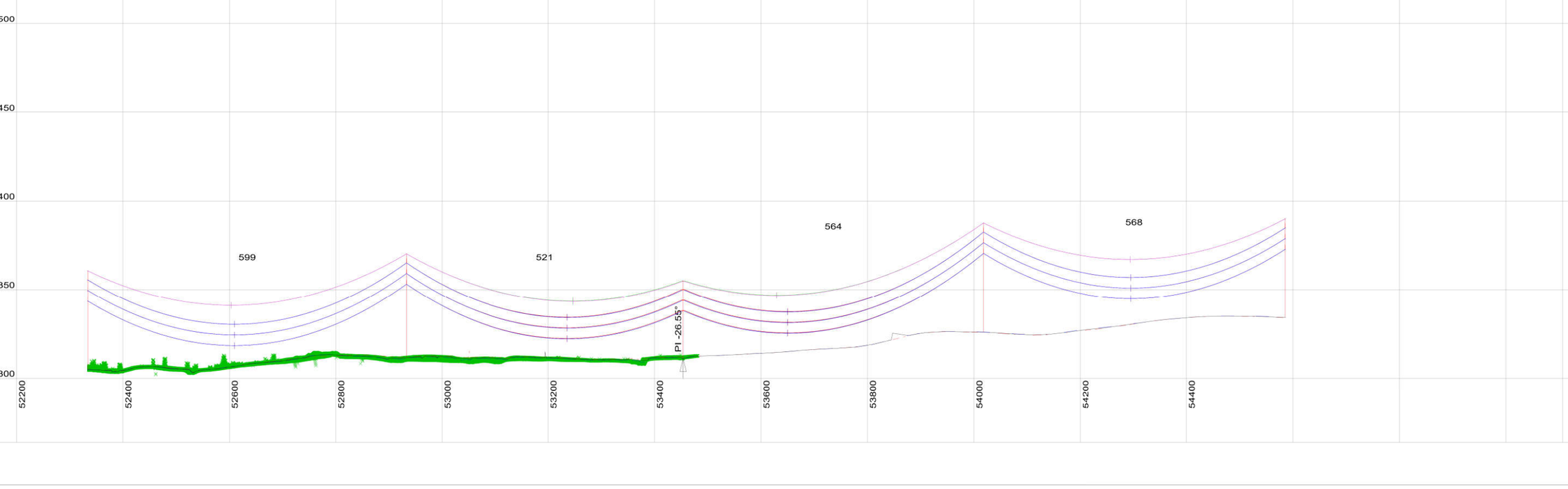
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STA=52334
X=438862.87
Y=7656299.72
HT=55.70 ELE=304.99

DJR_SLN_104
220KV COPPERSTRING 2.0 PROJECT
STA=52933
X=438887.45
Y=7655701.02
HT=58.70 ELE=311.57

DJR_SLN_105
COPPER STRING 2.0
STA=53454
X=438908.82
Y=7655180.79
HT=43.90 ELE=311.10
LINE ANGLE=-26.55°

DJR_SLN_106
220KV COPPERSTRING 2.0 PROJECT
STA=54018
X=439181.47
Y=7654686.88
HT=61.70 ELE=325.89

DJR_SLN_107
220KV COPPERSTRING 2.0 PROJECT
STA=54585
X=439455.75
Y=7654190.04
HT=55.70 ELE=334.19
END OF BALLARA NATURE REFUGE ~40M AFTER STRUCTURE



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A1

SCALE@A1 AS SHOWN

CONFIRM SCALE

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 22 OF 62

CLIENT COPPERSTRING

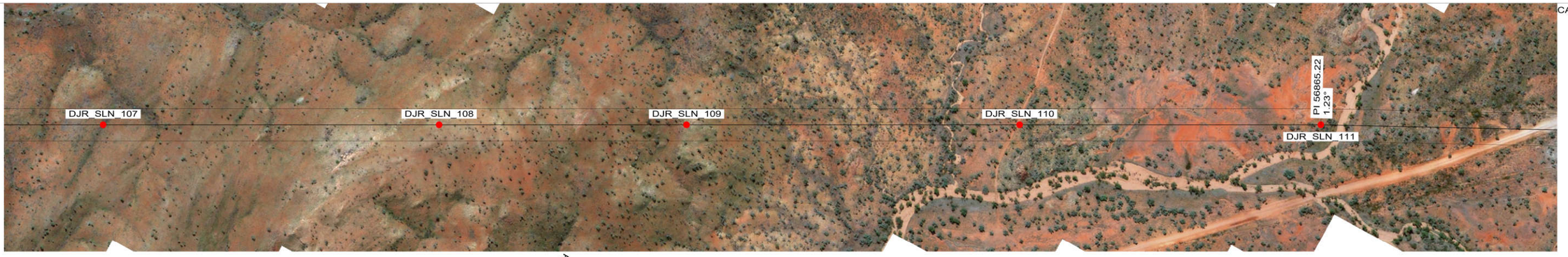
UGL DRAWING NO. 3200-0643-DP6-DRG-022

SHEET 22

AMDT A

100mm ON A1 ORIGINAL

CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

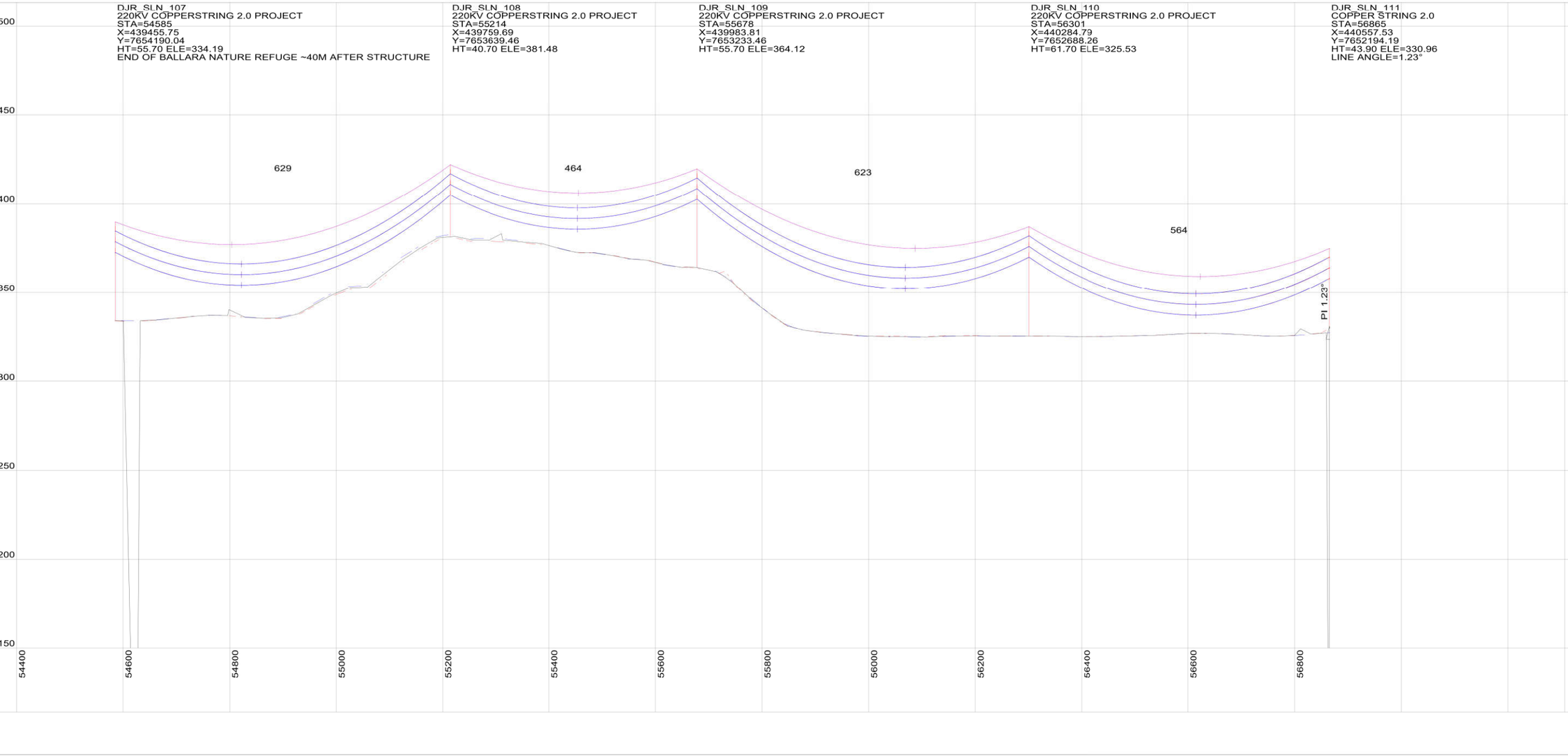
DJR_SLN_107
220KV COPPERSTRING 2.0 PROJECT
STA=54585
X=439455.75
Y=7654190.04
HT=55.70 ELE=334.19
END OF BALLARA NATURE REFUGE ~40M AFTER STRUCTURE

DJR_SLN_108
220KV COPPERSTRING 2.0 PROJECT
STA=55214
X=439759.69
Y=7653639.46
HT=40.70 ELE=381.48

DJR_SLN_109
220KV COPPERSTRING 2.0 PROJECT
STA=55678
X=439983.81
Y=7653233.46
HT=55.70 ELE=364.12

DJR_SLN_110
220KV COPPERSTRING 2.0 PROJECT
STA=56301
X=440284.79
Y=7652688.26
HT=61.70 ELE=325.53

DJR_SLN_111
COPPER STRING 2.0
STA=56865
X=440557.53
Y=7652194.19
HT=43.90 ELE=330.96
LINE ANGLE=1.23°



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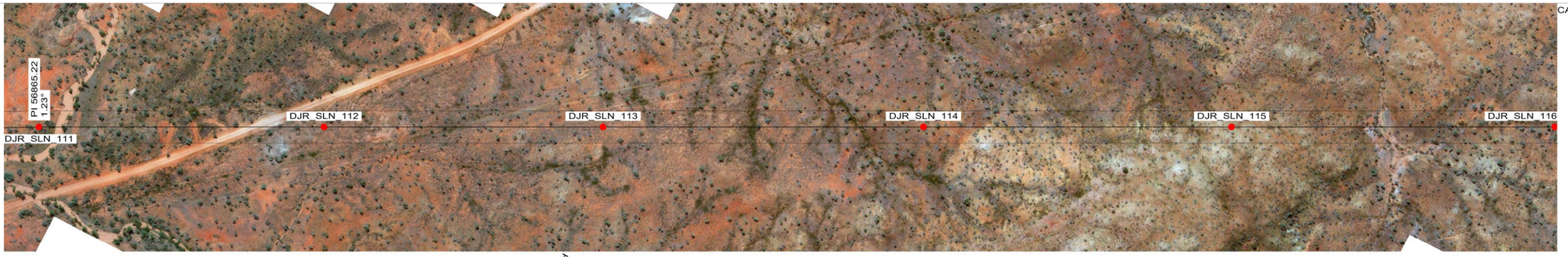
A1 | SCALE@A1 AS SHOWN

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 23 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-023	23	A

CONFIRM SCALE — 100mm ON A1 ORIGINAL



NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

DJR_SLN_111
COPPER STRING 2.0
STA=56865
X=440557.53
Y=7652194.19
HT=43.90 ELE=330.96
LINE ANGLE=1.23°

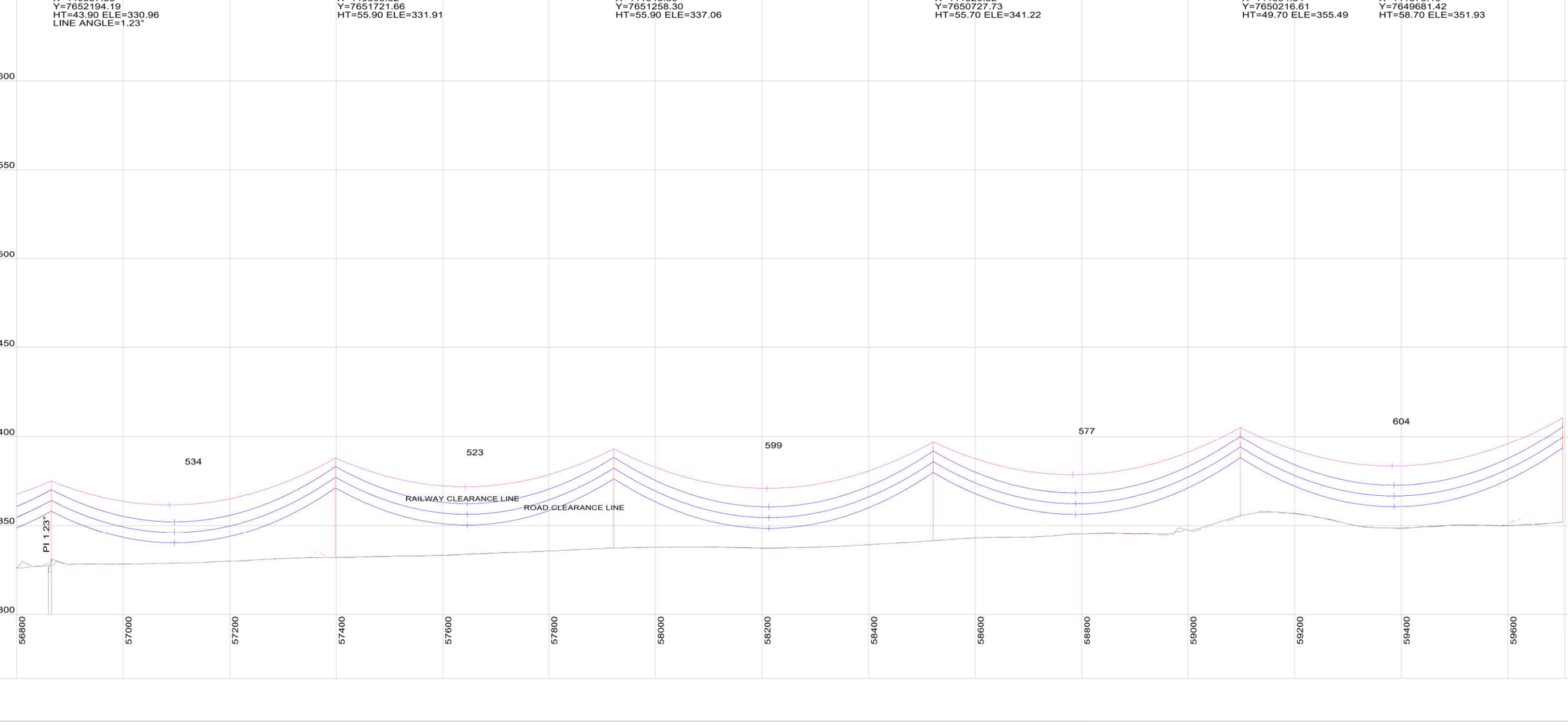
DJR_SLN_112
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STA=57399
X=440805.32
Y=7651721.66
HT=55.90 ELE=331.91

DJR_SLN_113
COPPER STRING 2.0
STA=57922
X=441048.30
Y=7651258.30
HT=55.90 ELE=337.06

DJR_SLN_114
220KV COPPERSTRING 2.0 PROJECT
STA=58521
X=441326.52
Y=7650727.73
HT=55.70 ELE=341.22

DJR_SLN_115
220KV COPPERSTRING 2.0 PROJECT
STA=59098
X=441594.54
Y=7650216.61
HT=49.70 ELE=355.49

DJR_SLN_116
220KV COPPERSTRING 2.0 PROJECT
STA=59703
X=441875.19
Y=7649681.42
HT=58.70 ELE=351.93



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AMDT	AMENDMENT DETAILS	DESIGN	CHK'D	DRAWN	CHK'D	APP'D	DATE

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A1

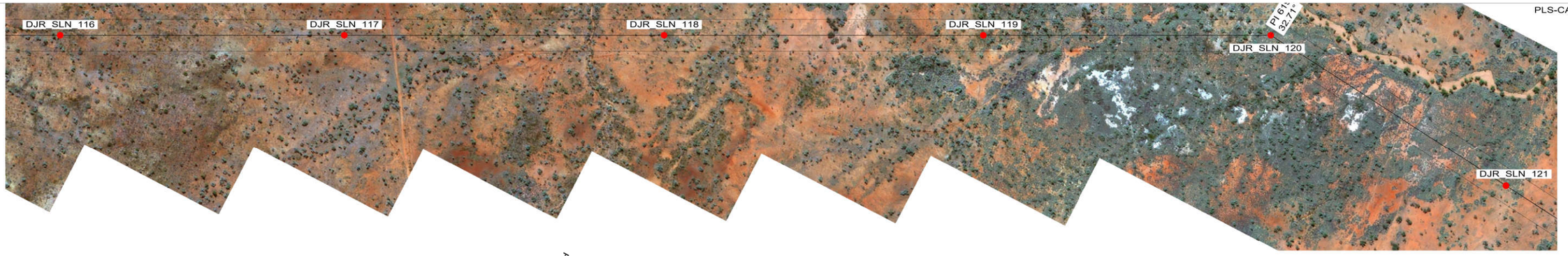
SCALE@A1 AS SHOWN

CONFIRM SCALE — 100mm ON A1 ORIGINAL

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 24 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-024	24	A



NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

DJR_SLN_116
220KV COPPERSTRING 2.0 PROJECT
STA=59703
X=441875.19
Y=7649681.42
HT=58.70 ELE=351.93

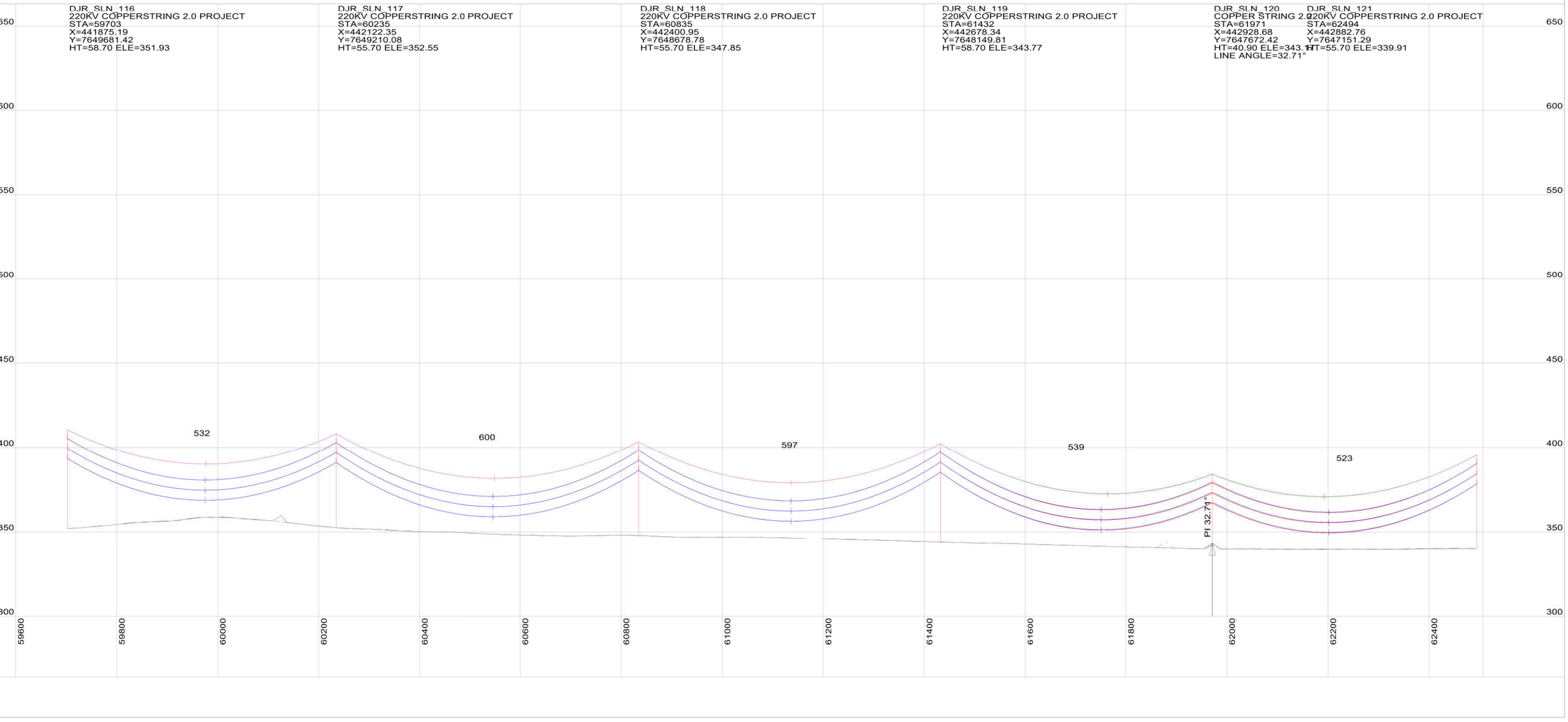
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STA=60235
X=442122.35
Y=7649210.08
HT=55.70 ELE=352.55

DJR_SLN_118
220KV COPPERSTRING 2.0 PROJECT
STA=60835
X=442400.95
Y=7648678.78
HT=55.70 ELE=347.85

DJR_SLN_119
220KV COPPERSTRING 2.0 PROJECT
STA=61432
X=442678.34
Y=7648149.81
HT=58.70 ELE=343.77

DJR_SLN_120
COPPER STRING 2.0
STA=61971
X=442928.68
Y=7647672.42
HT=40.90 ELE=343.77
LINE ANGLE=32.71°

DJR_SLN_121
220KV COPPERSTRING 2.0 PROJECT
STA=62494
X=442882.76
Y=7647151.29
HT=55.70 ELE=339.91



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A1 | SCALE@A1 AS SHOWN | CLIENT COPPERSTRING | UGL DRAWING NO. 3200-0643-DP6-DRG-025 | SHEET 25 | AMDT A

UGL
COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 25 OF 62

CONFIRM SCALE — 100mm ON A1 ORIGINAL



CADD DRAWING

40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

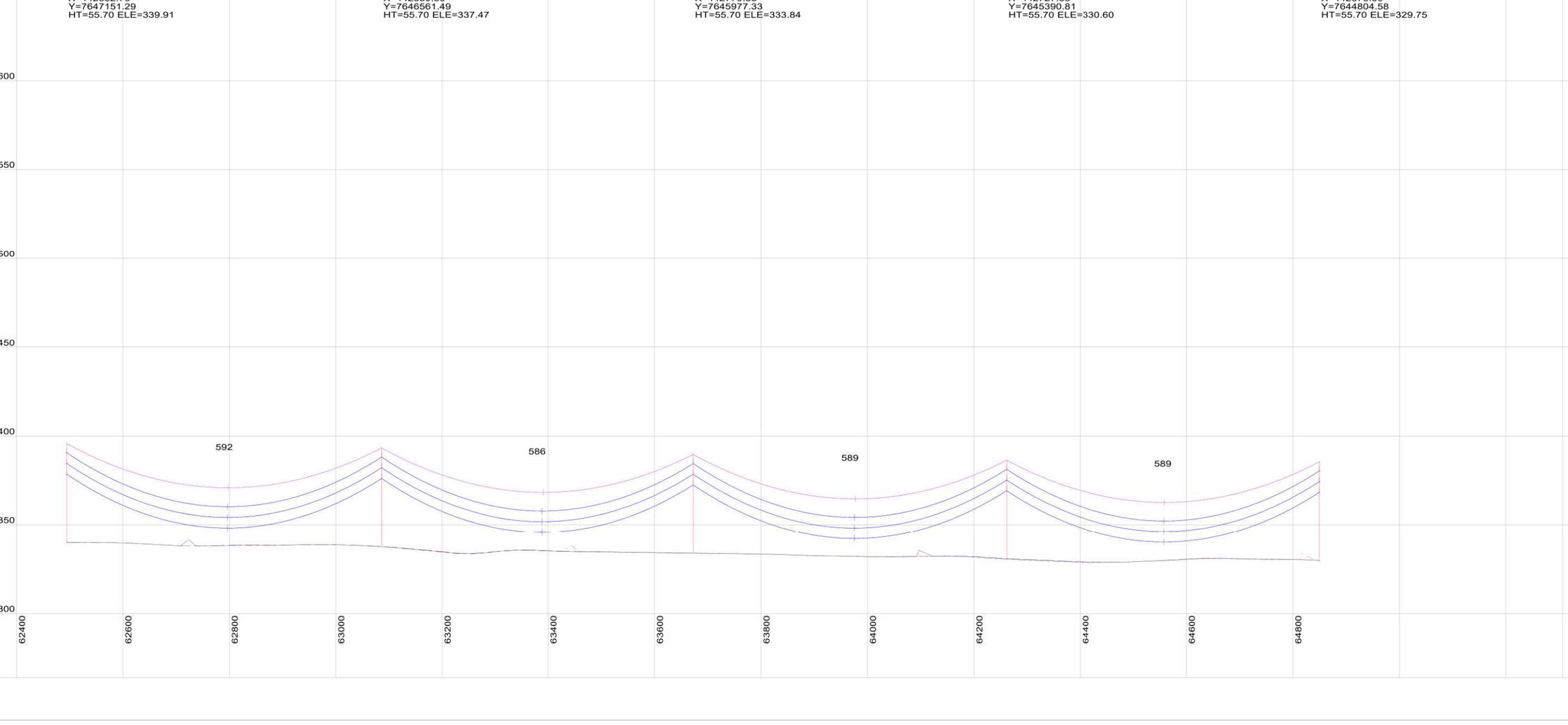
DJR_SLN_121
220KV COPPERSTRING 2.0 PROJECT
STA=62494
X=442882.76
Y=7647151.29
HT=55.70 ELE=339.91

DJR_SLN_122
220KV COPPERSTRING 2.0 PROJECT
STA=63086
X=442830.80
Y=7646561.49
HT=55.70 ELE=337.47

DJR_SLN_123
220KV COPPERSTRING 2.0 PROJECT
STA=63673
X=442779.33
Y=7645977.33
HT=55.70 ELE=333.84

DJR_SLN_124
220KV COPPERSTRING 2.0 PROJECT
STA=64261
X=442727.65
Y=7645390.81
HT=55.70 ELE=330.60

DJR_SLN_125
220KV COPPERSTRING 2.0 PROJECT
STA=64850
X=442676.00
Y=7644804.58
HT=55.70 ELE=329.75



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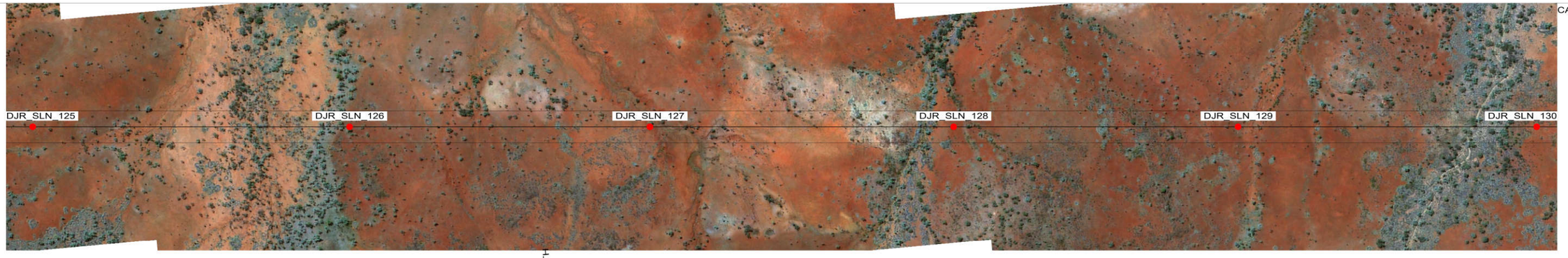
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A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE | 100mm ON A1 ORIGINAL

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 26 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-026	26	A



CADD DRAWING

40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

DJR_SLN_125
220KV COPPERSTRING 2.0 PROJECT
STA=64850
X=442676.00
Y=7644804.58
HT=55.70 ELE=329.75

DJR_SLN_126
220KV COPPERSTRING 2.0 PROJECT
STA=65444
X=442623.89
Y=7644213.11
HT=55.70 ELE=326.70

DJR_SLN_127
220KV COPPERSTRING 2.0 PROJECT
STA=66007
X=442574.42
Y=7643651.70
HT=55.70 ELE=328.75

DJR_SLN_128
220KV COPPERSTRING 2.0 PROJECT
STA=66576
X=442524.51
Y=7643085.18
HT=55.70 ELE=329.22

DJR_SLN_129
220KV COPPERSTRING 2.0 PROJECT
STA=67110
X=442477.68
Y=7642553.64
HT=55.70 ELE=326.68

DJR_SLN_130
220KV COPPERSTRING 2.0 PROJECT
STA=67669
X=442428.60
Y=7641996.66
HT=55.70 ELE=323.24

650
600
550
500
450
400
350
300

594
564
569
534
559

64800 65000 65200 65400 65600 65800 66000 66200 66400 66600 66800 67000 67200 67400 67600

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A1 | SCALE@A1 AS SHOWN | CLIENT COPPERSTRING | UGL DRAWING NO. 3200-0643-DP6-DRG-027 | SHEET 27 | AMDT A

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 27 OF 62

CONFIRM SCALE 100mm ON A1 ORIGINAL

CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

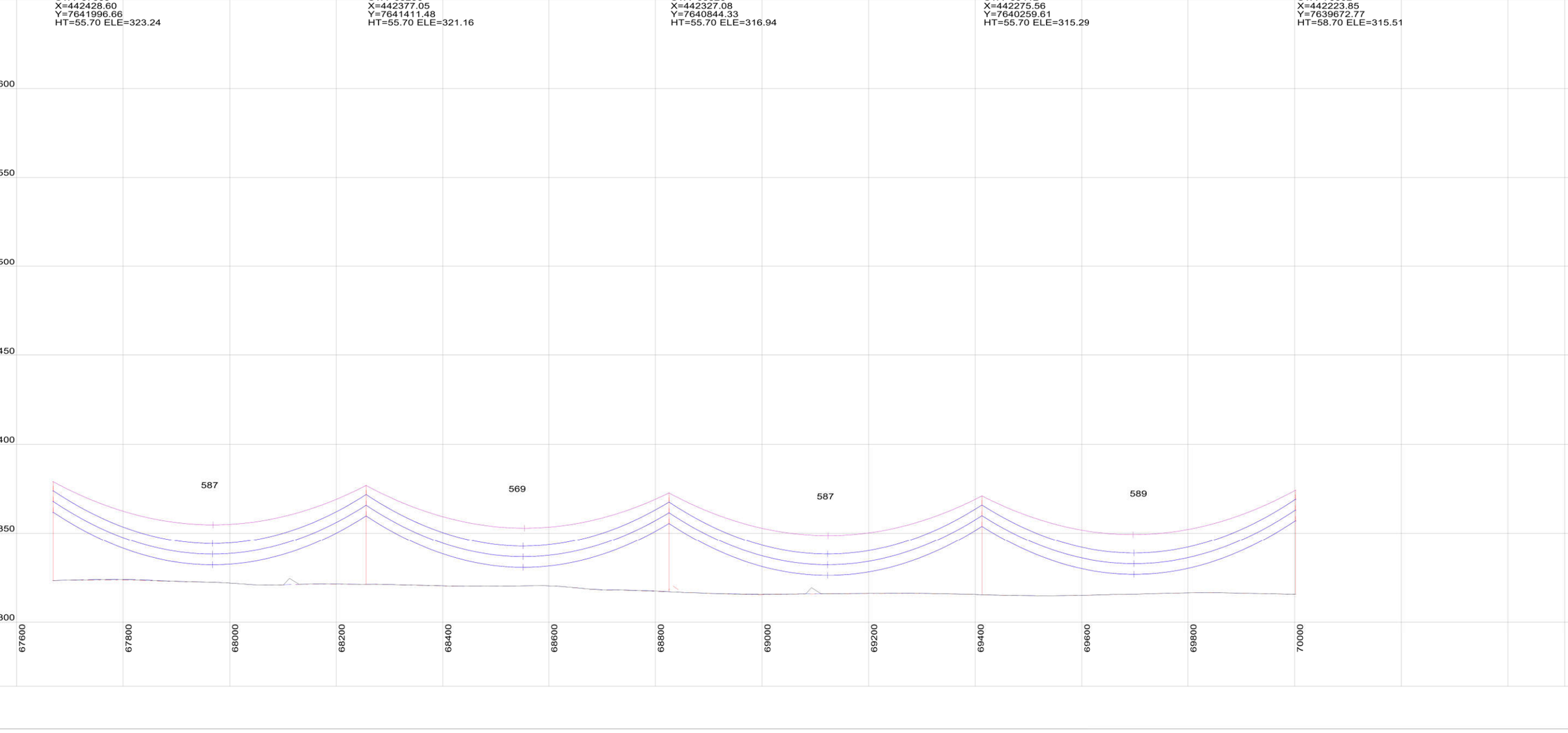
DJR_SLN_130
220KV COPPERSTRING 2.0 PROJECT
STA=67669
X=442428.60
Y=7641996.66
HT=55.70 ELE=323.24

DJR_SLN_131
220KV COPPERSTRING 2.0 PROJECT
STA=68256
X=442377.05
Y=7641411.48
HT=55.70 ELE=321.16

DJR_SLN_132
220KV COPPERSTRING 2.0 PROJECT
STA=68826
X=442327.08
Y=7640844.33
HT=55.70 ELE=316.94

DJR_SLN_133
220KV COPPERSTRING 2.0 PROJECT
STA=69412
X=442275.56
Y=7640259.61
HT=55.70 ELE=315.29

DJR_SLN_134
220KV COPPERSTRING 2.0 PROJECT
STA=70002
X=442223.85
Y=7639672.77
HT=58.70 ELE=315.51



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A1

SCALE@A1 AS SHOWN

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 28 OF 62

CLIENT COPPERSTRING

UGL DRAWING NO. 3200-0643-DP6-DRG-028

SHEET 28

AMDT A

CONFIRM SCALE 100mm ON A1 ORIGINAL



NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

DJR_SLN_134
220KV COPPERSTRING 2.0 PROJECT
STA=70002
X=442223.85
Y=7639672.77
HT=58.70 ELE=315.51

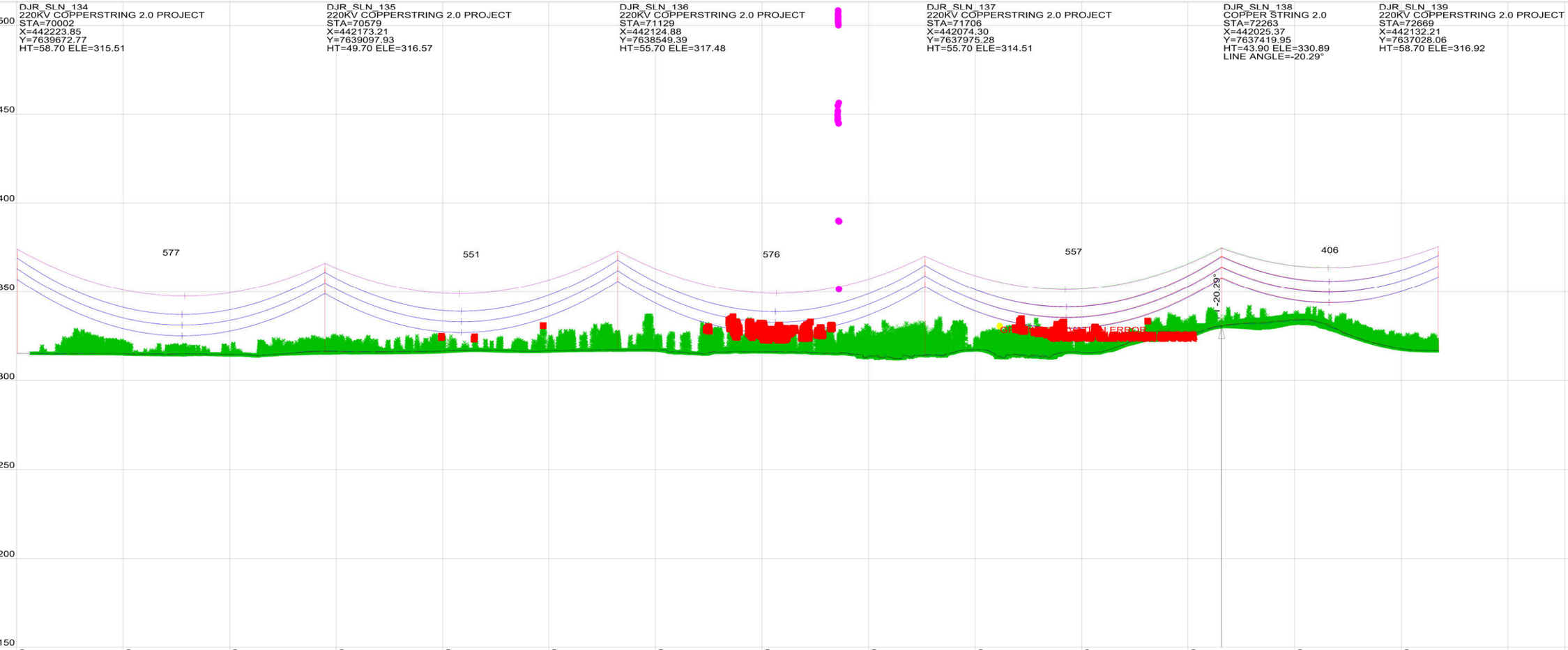
DJR_SLN_135
220KV COPPERSTRING 2.0 PROJECT
STA=70579
X=442173.21
Y=7639097.93
HT=49.70 ELE=316.57

DJR_SLN_136
220KV COPPERSTRING 2.0 PROJECT
STA=71129
X=442124.88
Y=7638549.39
HT=55.70 ELE=317.48

DJR_SLN_137
220KV COPPERSTRING 2.0 PROJECT
STA=71706
X=442074.30
Y=7637975.28
HT=55.70 ELE=314.51

DJR_SLN_138
COPPER STRING 2.0
STA=72263
X=442025.37
Y=7637419.95
HT=43.90 ELE=330.89
LINE ANGLE=-20.29°

DJR_SLN_139
220KV COPPERSTRING 2.0 PROJECT
STA=72669
X=442132.21
Y=7637028.06
HT=58.70 ELE=316.92



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A1 | SCALE@A1 AS SHOWN

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 29 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-029	29	A

CONFIRM SCALE — 100mm ON A1 ORIGINAL



CADD DRAWING

40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

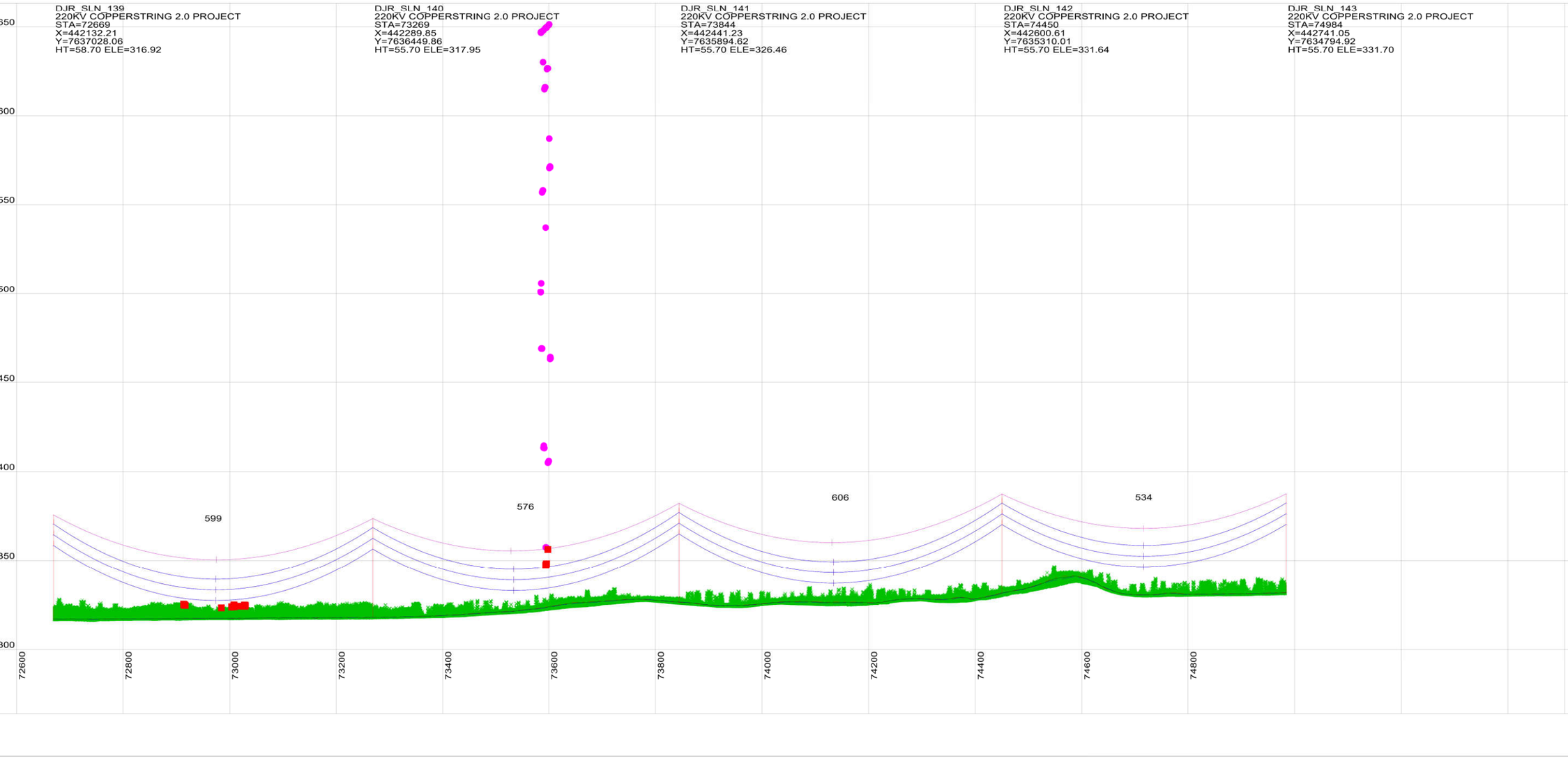
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220KV COPPERSTRING 2.0 PROJECT
STA=72669
X=442132.21
Y=7637028.06
HT=58.70 ELE=316.92

DJR_SLN_140
220KV COPPERSTRING 2.0 PROJECT
STA=73269
X=442289.85
Y=7636449.86
HT=55.70 ELE=317.95

DJR_SLN_141
220KV COPPERSTRING 2.0 PROJECT
STA=73844
X=442441.23
Y=7635894.62
HT=55.70 ELE=326.46

DJR_SLN_142
220KV COPPERSTRING 2.0 PROJECT
STA=74450
X=442600.61
Y=7635310.01
HT=55.70 ELE=331.64

DJR_SLN_143
220KV COPPERSTRING 2.0 PROJECT
STA=74984
X=442741.05
Y=7634794.92
HT=55.70 ELE=331.70



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COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 30 OF 62

A1	SCALE@A1	CLIENT	UGL DRAWING NO.	SHEET	AMDT
	AS SHOWN	COPPERSTRING	3200-0643-DP6-DRG-030	30	A

CONFIRM SCALE 100mm ON A1 ORIGINAL



CADD DRAWING

40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

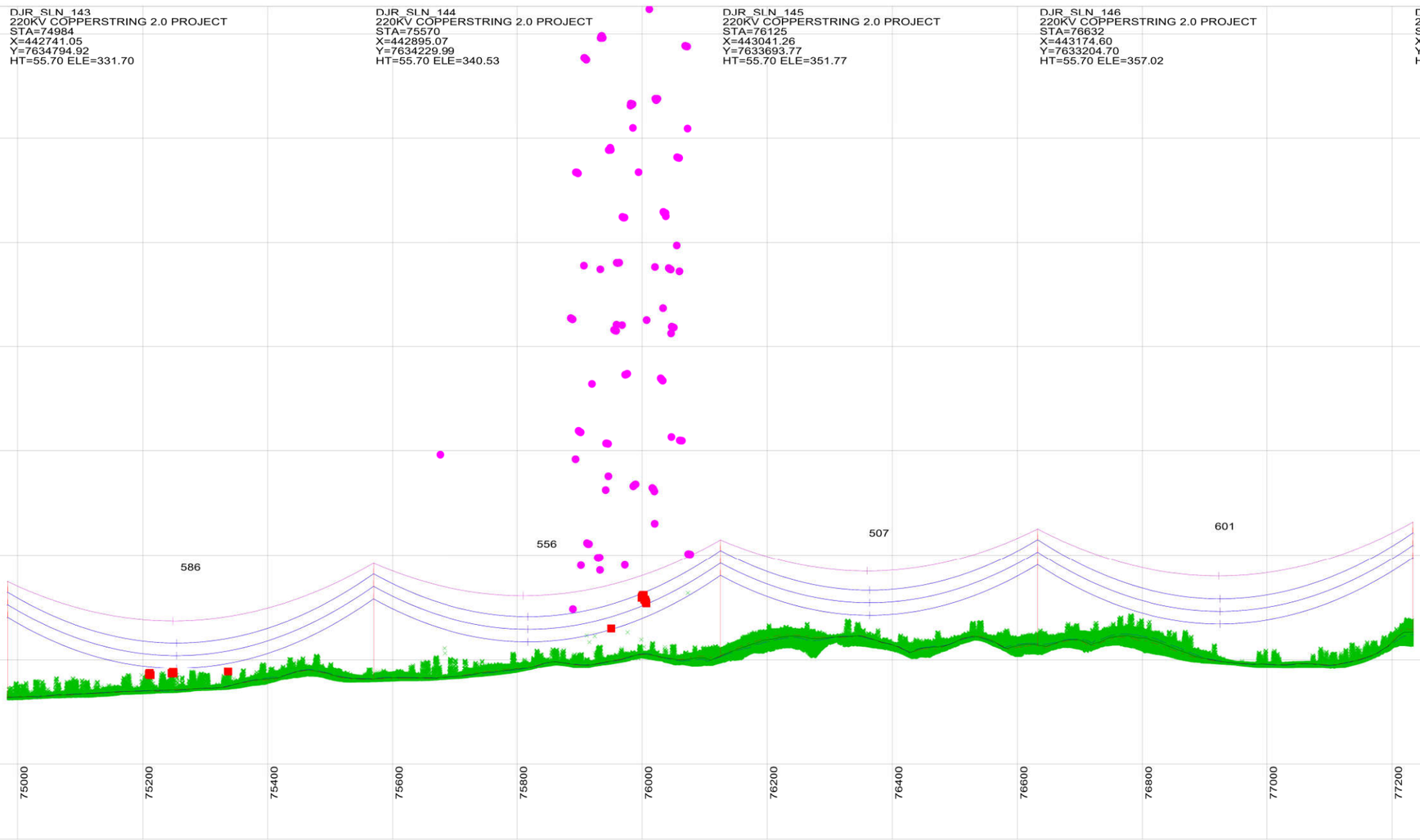
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220KV COPPERSTRING 2.0 PROJECT
STA=74984
X=442741.05
Y=7634794.92
HT=55.70 ELE=331.70

DJR_SLN_144
220KV COPPERSTRING 2.0 PROJECT
STA=75570
X=442895.07
Y=7634229.99
HT=55.70 ELE=340.53

DJR_SLN_145
220KV COPPERSTRING 2.0 PROJECT
STA=76125
X=443041.26
Y=7633693.77
HT=55.70 ELE=351.77

DJR_SLN_146
220KV COPPERSTRING 2.0 PROJECT
STA=76632
X=443174.60
Y=7633204.70
HT=55.70 ELE=357.02

DJR_SLN_147
220KV COPPERSTRING 2.0 PROJECT
STA=77233
X=443332.66
Y=7632624.96
HT=52.70 ELE=363.25



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A1

SCALE@A1
AS SHOWN

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 31 OF 62

CLIENT
COPPERSTRING

UGL DRAWING NO.
3200-0643-DP6-DRG-031

SHEET
31

AMDT
A

CONFIRM SCALE
100mm ON A1 ORIGINAL



NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

DJR_SLN_147
220KV COPPERSTRING 2.0 PROJECT
STA=77233
X=443332.66
Y=7632624.96
HT=52.70 ELE=363.25

DJR_SLN_148
220KV COPPERSTRING 2.0 PROJECT
STA=77827
X=443488.86
Y=7632052.02
HT=46.70 ELE=390.52
LINE ANGLE=-0.00°

DJR_SLN_149
220KV COPPERSTRING 2.0 PROJECT
STA=77983
X=443530.00
Y=7631901.15
HT=37.90 ELE=405.22
LINE ANGLE=5.63°

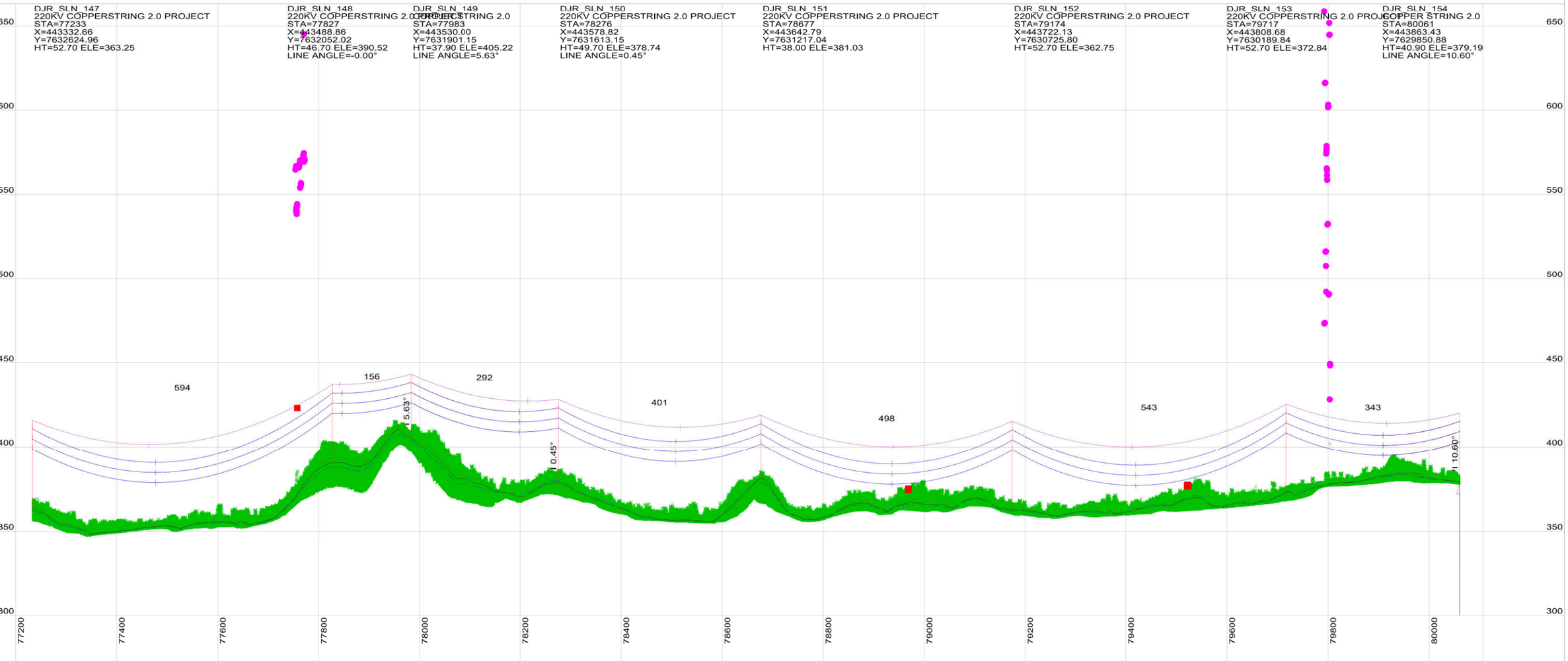
DJR_SLN_150
220KV COPPERSTRING 2.0 PROJECT
STA=78276
X=443578.82
Y=7631613.15
HT=49.70 ELE=378.74
LINE ANGLE=0.45°

DJR_SLN_151
220KV COPPERSTRING 2.0 PROJECT
STA=78677
X=443642.79
Y=7631217.04
HT=38.00 ELE=381.03

DJR_SLN_152
220KV COPPERSTRING 2.0 PROJECT
STA=79174
X=443722.13
Y=7630725.80
HT=52.70 ELE=362.75

DJR_SLN_153
220KV COPPERSTRING 2.0 PROJECT
STA=79717
X=443808.68
Y=7630189.84
HT=52.70 ELE=372.84

DJR_SLN_154
220KV COPPERSTRING 2.0 PROJECT
STA=80061
X=443863.43
Y=7629850.88
HT=40.90 ELE=379.19
LINE ANGLE=10.60°



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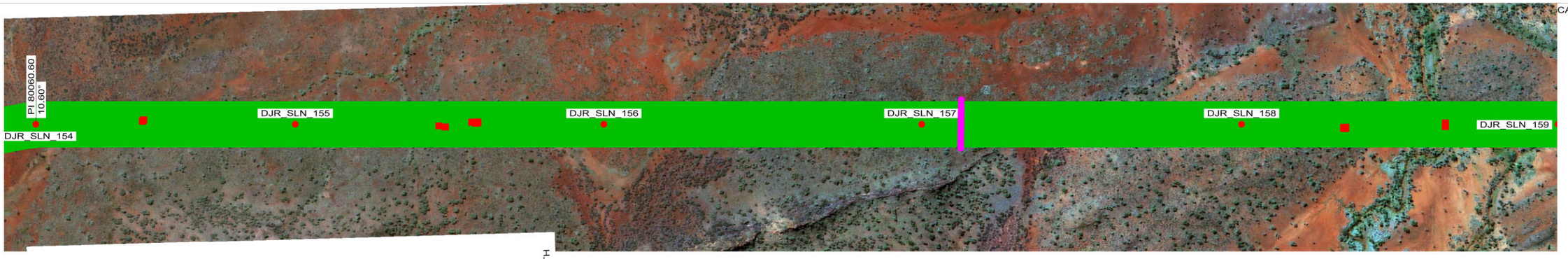
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A1 | SCALE@A1 AS SHOWN | CLIENT COPPERSTRING | UGL DRAWING NO. 3200-0643-DP6-DRG-032 | SHEET 32 | AMDT A

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 32 OF 62

CONFIRM SCALE — 100mm ON A1 ORIGINAL



CADD DRAWING

40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

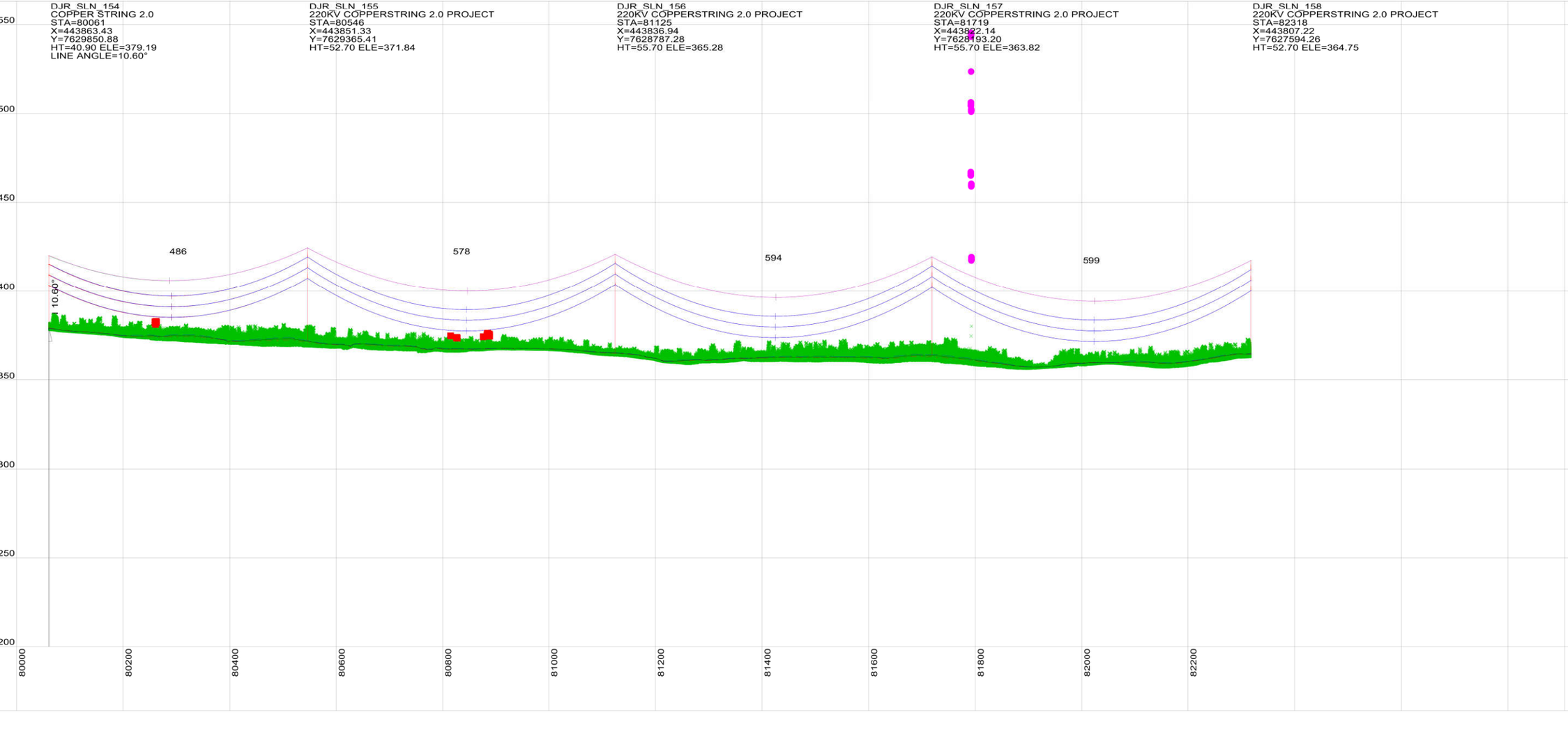
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COPPER STRING 2.0
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Y=7629850.88
HT=40.90 ELE=379.19
LINE ANGLE=10.60°

DJR_SLN_155
220KV COPPERSTRING 2.0 PROJECT
STA=80546
X=443851.33
Y=7629365.41
HT=52.70 ELE=371.84

DJR_SLN_156
220KV COPPERSTRING 2.0 PROJECT
STA=81125
X=443836.94
Y=7628787.28
HT=55.70 ELE=365.28

DJR_SLN_157
220KV COPPERSTRING 2.0 PROJECT
STA=81719
X=443822.14
Y=7628193.20
HT=55.70 ELE=363.82

DJR_SLN_158
220KV COPPERSTRING 2.0 PROJECT
STA=82318
X=443807.22
Y=7627594.26
HT=52.70 ELE=364.75



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AMDT	AMENDMENT DETAILS	DESIGN	CHK'D	DRAWN	CHK'D	APP'D	DATE

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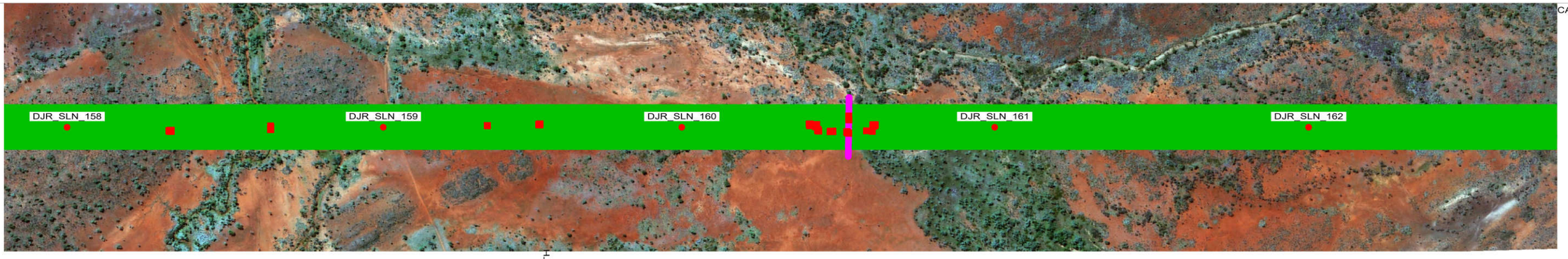
A1 | SCALE@A1 AS SHOWN

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 33 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-033	33	A

CONFIRM SCALE — 100mm ON A1 ORIGINAL



CADD DRAWING

40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

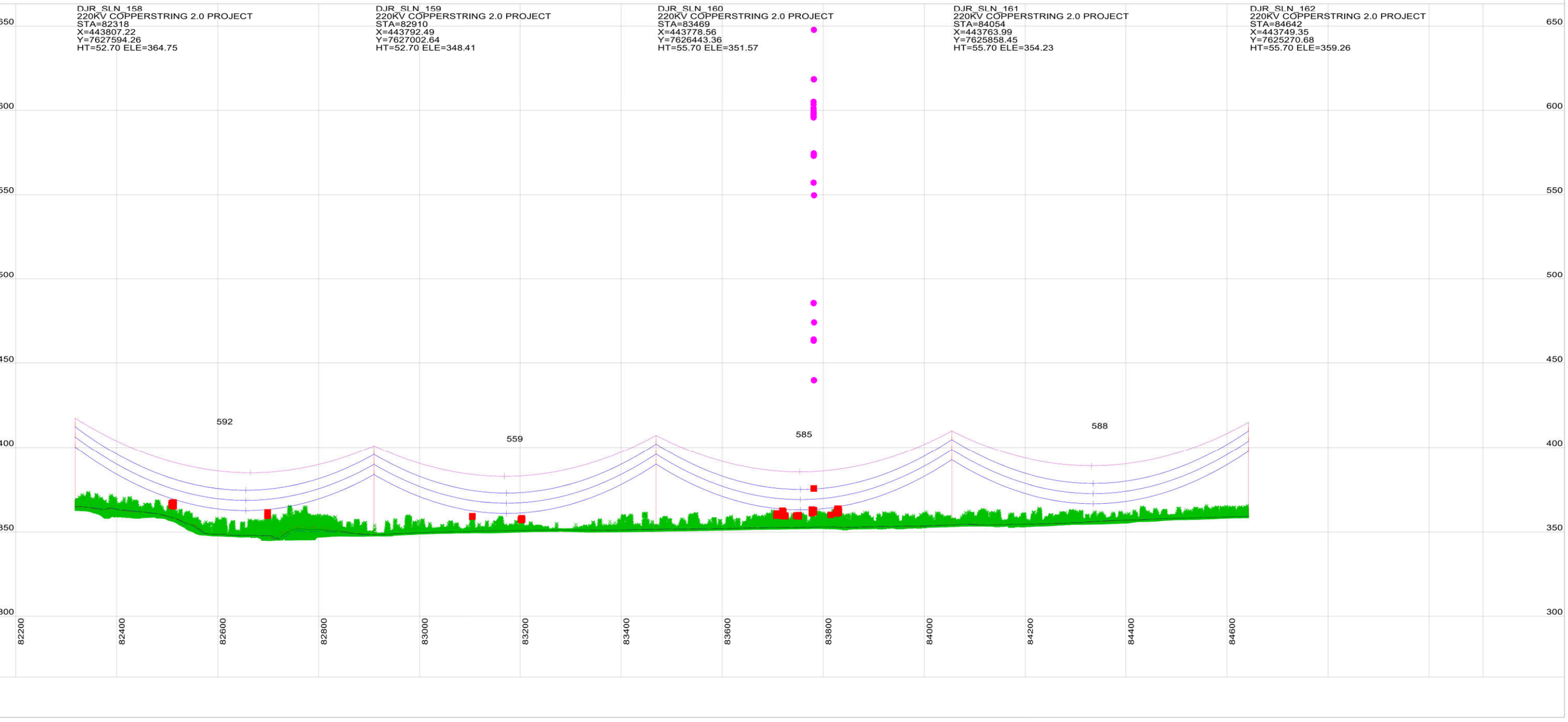
DJR_SLN_158
220KV COPPERSTRING 2.0 PROJECT
STA=82318
X=443807.22
Y=7627594.26
HT=52.70 ELE=364.75

DJR_SLN_159
220KV COPPERSTRING 2.0 PROJECT
STA=82910
X=443792.49
Y=7627002.64
HT=52.70 ELE=348.41

DJR_SLN_160
220KV COPPERSTRING 2.0 PROJECT
STA=83469
X=443778.56
Y=7626443.36
HT=55.70 ELE=351.57

DJR_SLN_161
220KV COPPERSTRING 2.0 PROJECT
STA=84054
X=443763.99
Y=7625858.45
HT=55.70 ELE=354.23

DJR_SLN_162
220KV COPPERSTRING 2.0 PROJECT
STA=84642
X=443749.35
Y=7625270.68
HT=55.70 ELE=359.26



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AMDT	AMENDMENT DETAILS	DESIGN	CHK'D	DRAWN	CHK'D	APP'D	DATE

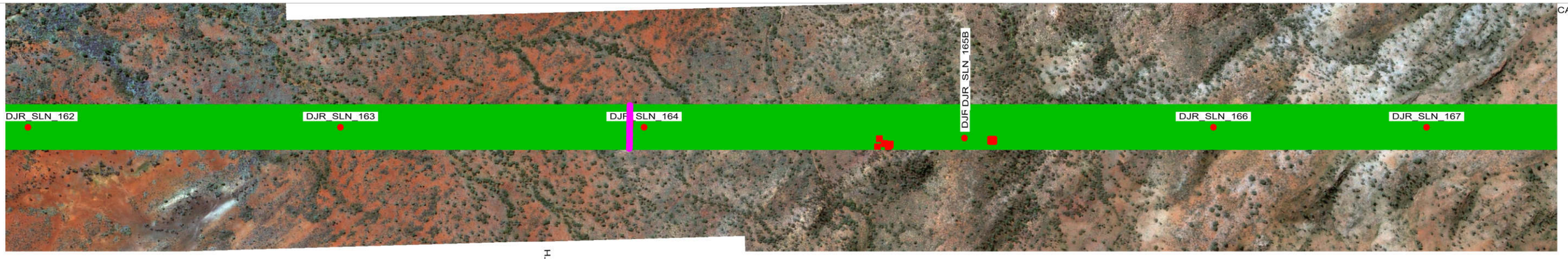
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CHECKED		COPPERSTRING 2.0
DRAWN		DAJARRA ROAD TO PHOSPHATEHILL
CHECKED		220KV D/C TRANSMISSION LINE
APPROVED		PLAN AND PROFILE
		SHEET 34 OF 62

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A1	SCALE@A1	CLIENT	UGL DRAWING NO.	SHEET	AMDT
	AS SHOWN	COPPERSTRING	3200-0643-DP6-DRG-034	34	A

CONFIRM SCALE — 100mm ON A1 ORIGINAL



NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

DJR_SLN_162
220KV COPPERSTRING 2.0 PROJECT
STA=84642
X=443749.35
Y=7625270.68
HT=55.70 ELE=359.26

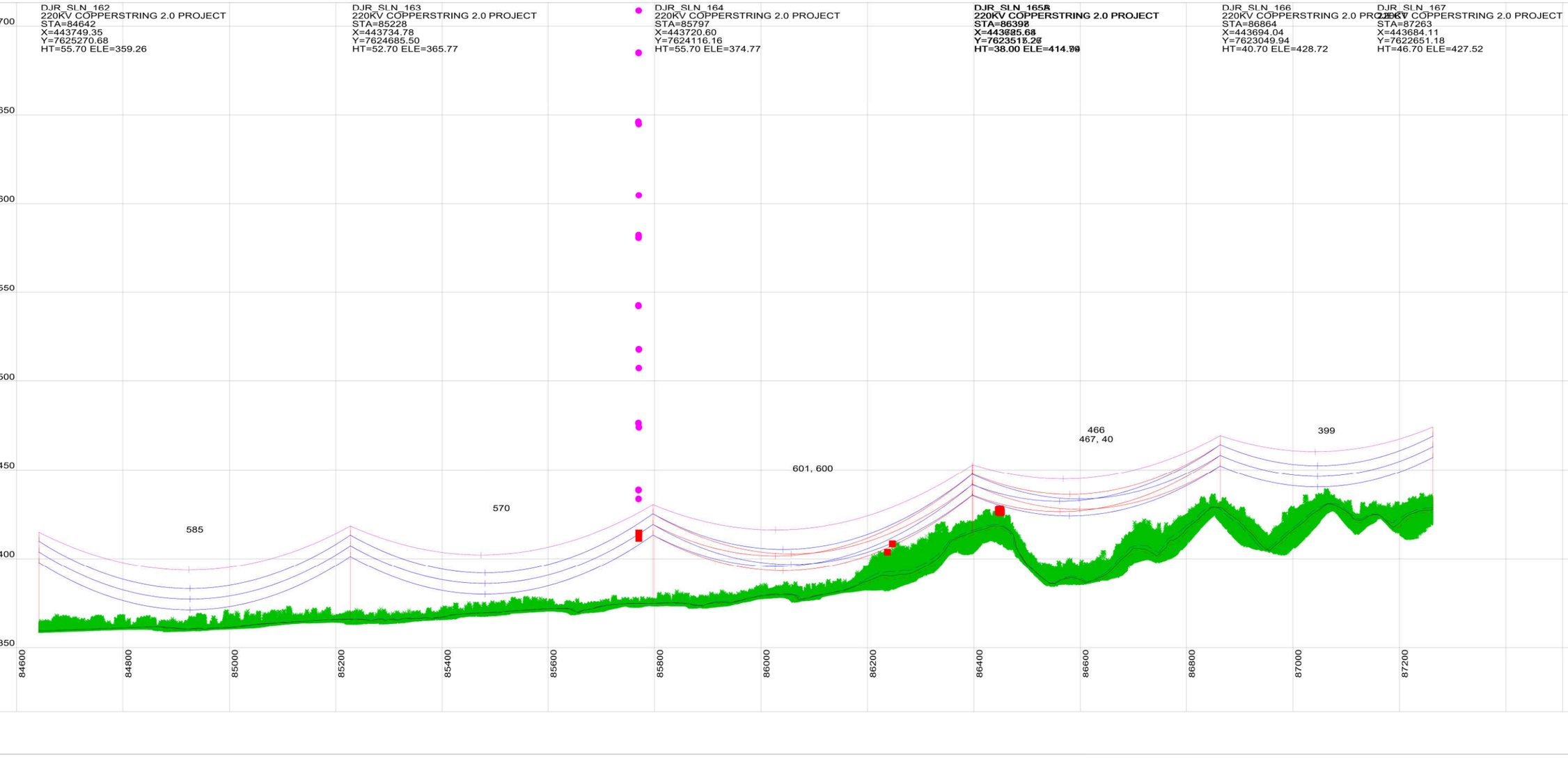
DJR_SLN_163
220KV COPPERSTRING 2.0 PROJECT
STA=85228
X=443734.78
Y=7624685.50
HT=52.70 ELE=365.77

DJR_SLN_164
220KV COPPERSTRING 2.0 PROJECT
STA=85797
X=443720.60
Y=7624116.16
HT=55.70 ELE=374.77

DJR_SLN_165B
220KV COPPERSTRING 2.0 PROJECT
STA=86398
X=443685.68
Y=7623515.26
HT=38.00 ELE=414.99

DJR_SLN_166
220KV COPPERSTRING 2.0 PROJECT
STA=86864
X=443694.04
Y=7623049.94
HT=40.70 ELE=428.72

DJR_SLN_167
220KV COPPERSTRING 2.0 PROJECT
STA=87263
X=443684.11
Y=7622651.18
HT=46.70 ELE=427.52



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AMDT	AMENDMENT DETAILS	DESIGN	CHK'D	DRAWN	CHK'D	APP'D	DATE

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A1

SCALE@A1
AS SHOWN

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 35 OF 62

CLIENT
COPPERSTRING

UGL DRAWING NO.
3200-0643-DP6-DRG-035

SHEET
35

AMDT
A

CONFIRM SCALE
100mm ON A1 ORIGINAL



CADD DRAWING

40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

DJR_SLN_167
220KV COPPERSTRING 2.0 PROJECT
STA=87263
X=443684.11
Y=7622651.18
HT=46.70 ELE=427.52

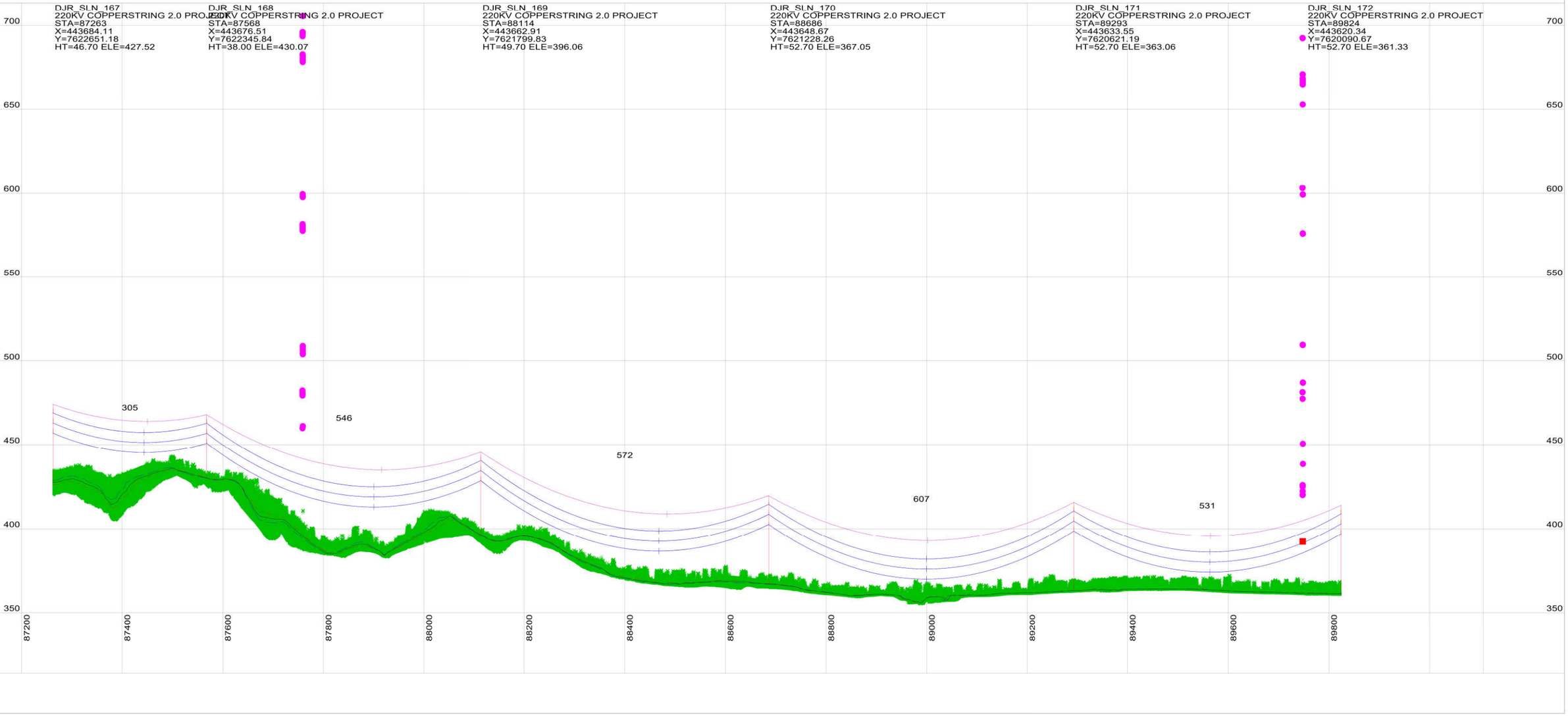
DJR_SLN_168
220KV COPPERSTRING 2.0 PROJECT
STA=87568
X=443676.51
Y=7622345.84
HT=38.00 ELE=430.07

DJR_SLN_169
220KV COPPERSTRING 2.0 PROJECT
STA=88114
X=443662.91
Y=7621799.83
HT=49.70 ELE=396.06

DJR_SLN_170
220KV COPPERSTRING 2.0 PROJECT
STA=88686
X=443648.67
Y=7621228.26
HT=52.70 ELE=367.05

DJR_SLN_171
220KV COPPERSTRING 2.0 PROJECT
STA=89293
X=443633.55
Y=7620621.19
HT=52.70 ELE=363.06

DJR_SLN_172
220KV COPPERSTRING 2.0 PROJECT
STA=89824
X=443620.34
Y=7620090.67
HT=52.70 ELE=361.33



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A1

SCALE@A1
AS SHOWN

CONFIRM SCALE
100mm ON A1 ORIGINAL

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 36 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-036	36	A



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

DJR_SLN_172
220KV COPPERSTRING 2.0 PROJECT
STA=89824
X=443620.34
Y=7620090.67
HT=52.70 ELE=361.33

DJR_SLN_173
220KV COPPERSTRING 2.0 PROJECT
STA=90389
X=443606.26
Y=7619525.23
HT=52.70 ELE=362.36

DJR_SLN_174
COPPER STRING 2
STA=90888
X=443593.95
Y=7619026.16
HT=43[illegible]82.31
ORIENT ANGLE=315.56
X=443556.91
Y=7618979.97
HT=34.90 ELE=361.70
LINE ANGLE=-0.00°

SLN_WYA_2
COPPER STRING 2.0

SLN_WYA_3
COPPER STRING 2.0
STA=91433
X=443257.30
Y=7618598.58
HT=49.70 ELE=358.36

SLN_WYA_4
COPPER STRING 2.0
STA=92016
X=442897.19
Y=7618140.00
HT=49.70 ELE=358.31

SLN_WYA_5
COPPER STRING 2.0
STA=92546
X=442569.86
Y=7617723.16
HT=46.70 ELE=358.80

700 650 600 550 500 450 400 350

566 498 60 485 583 530

36.72

89800 90000 90200 90400 90600 90800 91000 91200 91400 91600 91800 92000 92200 92400

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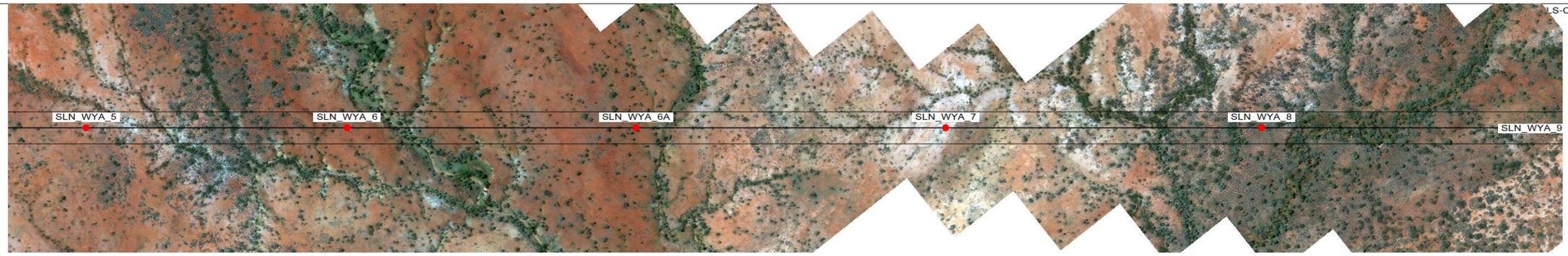
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A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE | 100mm ON A1 ORIGINAL

UGL
COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 37 OF 62

CLIENT COPPERSTRING | UGL DRAWING NO. 3200-0643-DP6-DRG-037 | SHEET 37 | AMDT A



LS-CADD DRAWING

40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

SLN_WYA_5
COPPER STRING 2.0
STA=92546
X=442569.86
Y=7617723.16
HT=46.70 ELE=358.80

SLN_WYA_6
COPPER STRING 2.0
STA=93034
X=442268.43
Y=7617339.32
HT=43.70 ELE=355.98

SLN_WYA_6A
COPPER STRING 2.0
STA=93574
X=441934.92
Y=7616914.61
HT=49.70 ELE=354.53

SLN_WYA_7
COPPER STRING 2.0
STA=94154
X=441576.71
Y=7616458.45
HT=55.70 ELE=352.76

SLN_WYA_8
COPPER STRING 2.0
STA=94744
X=441212.32
Y=7615994.43
HT=49.70 ELE=349.44

650 600 550 500 450 400 350 300

488 540 580 590

92400 92600 92800 93000 93200 93400 93600 93800 94000 94200 94400 94600

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A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE | 100mm ON A1 ORIGINAL

UGL
COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 38 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-038	38	A

PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

SLN_WYA_8
COPPER STRING 2.0
STA=94744
X=441212.32
Y=7615994.43
HT=49.70 ELE=349.44

SLN_WYA_9
COPPER STRING 2.0
STA=95314
X=440860.29
Y=7615546.13
HT=49.70 ELE=352.97

SLN_WYA_10
COPPER STRING 2.0
STA=95909
X=440492.81
Y=7615078.17
HT=52.70 ELE=357.81

SLN_WYA_11
COPPER STRING 2.0
STA=96469
X=440146.95
Y=7614637.74
HT=49.70 ELE=358.89

SLN_WYA_12
COPPER STRING 2.0
STA=97039
X=439794.91
Y=7614189.44
HT=49.70 ELE=356.43

650
600
550
500
450
400
350
300

570
595
560
570

94600 94800 95000 95200 95400 95600 95800 96000 96200 96400 96600 96800 97000

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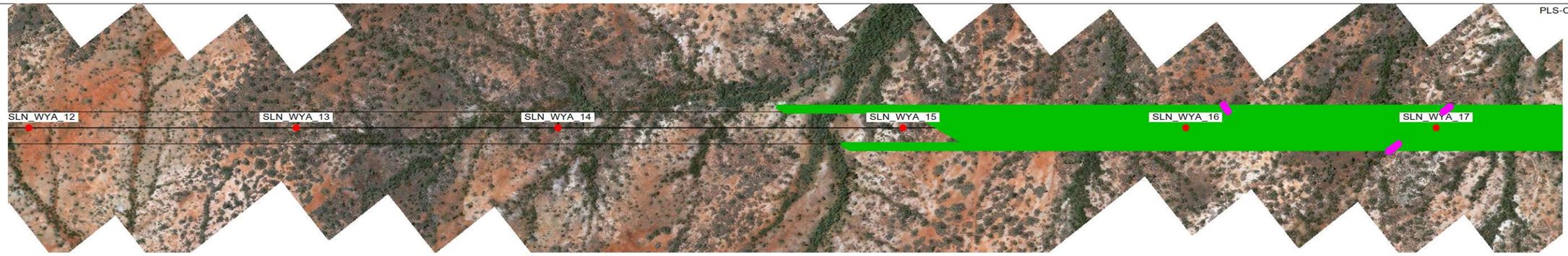
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CHECKED	
DRAWN	
CHECKED	
APPROVED	

A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE | 100mm ON A1 ORIGINAL

UGL
COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 39 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-039	39	A

PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

SLN_WYA_12
COPPER STRING 2.0
STA=97039
X=439794.91
Y=7614189.44
HT=49.70 ELE=356.43

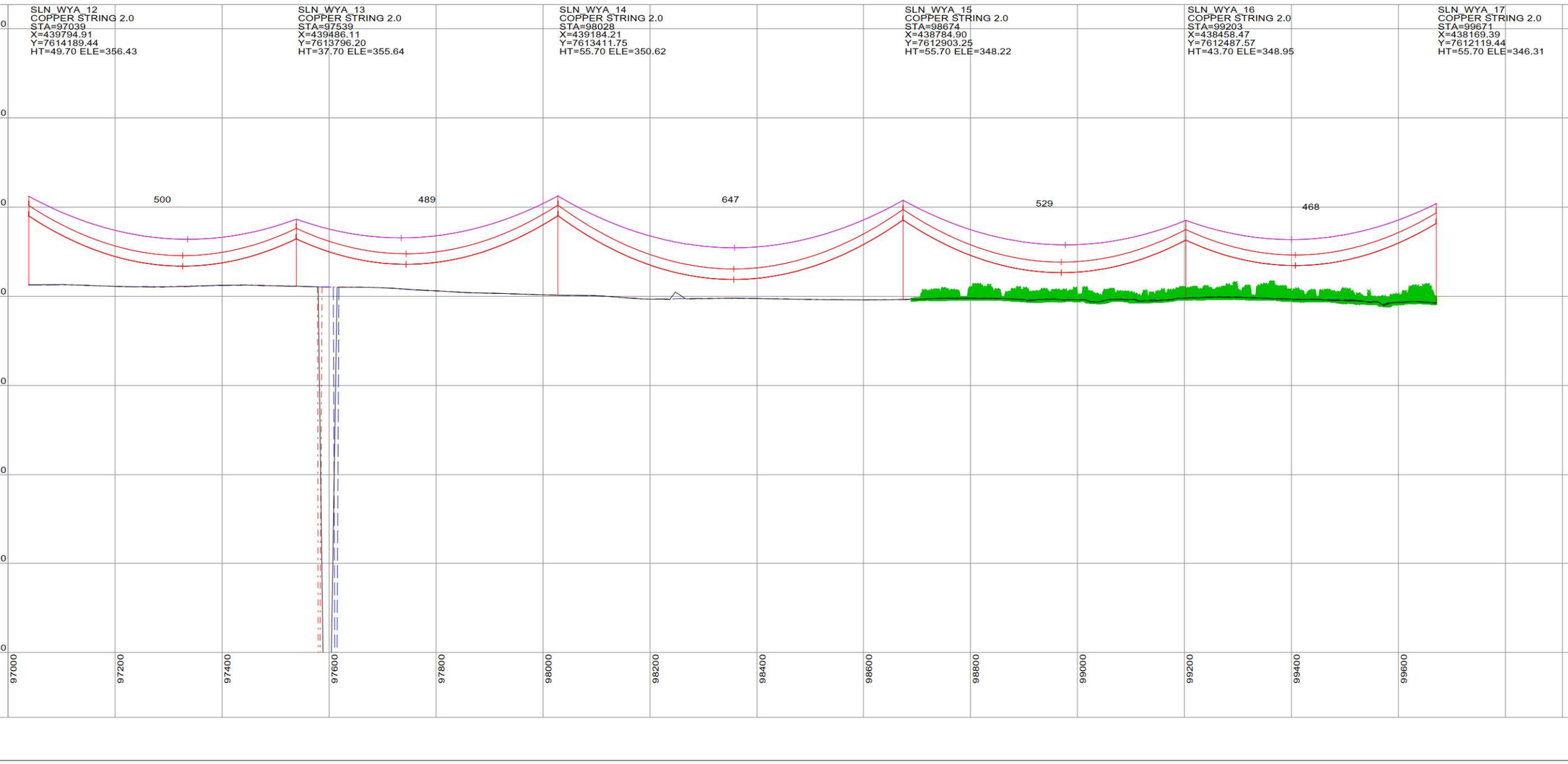
SLN_WYA_13
COPPER STRING 2.0
STA=97539
X=439486.11
Y=7613796.20
HT=37.70 ELE=355.64

SLN_WYA_14
COPPER STRING 2.0
STA=98028
X=439184.21
Y=7613411.75
HT=55.70 ELE=350.62

SLN_WYA_15
COPPER STRING 2.0
STA=98674
X=438784.90
Y=7612903.25
HT=55.70 ELE=348.22

SLN_WYA_16
COPPER STRING 2.0
STA=99203
X=438458.47
Y=7612487.57
HT=43.70 ELE=348.95

SLN_WYA_17
COPPER STRING 2.0
STA=99671
X=438169.39
Y=7612119.44
HT=55.70 ELE=346.31



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A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 40 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-040	40	A

100mm ON A1 ORIGINAL



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:
1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

SLN_WYA_17
COPPER STRING 2.0
STA=99671
X=438169.39
Y=7612119.44
HT=55.70 ELE=346.31

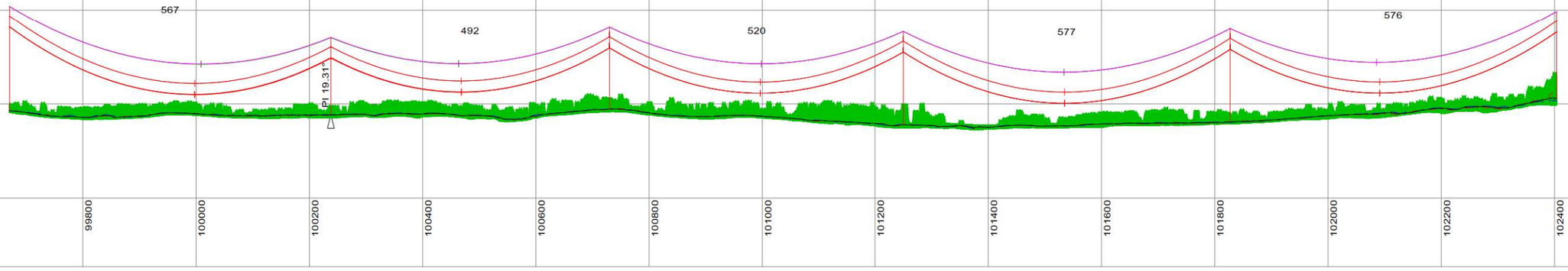
SLN_WYA_18
COPPER STRING 2.0
STA=100238
X=437819.03
Y=7611673.28
HT=40.90 ELE=344.31
LINE ANGLE=19.31°

SLN_WYA_19
COPPER STRING 2.0
STA=100730
X=437404.28
Y=7611408.61
HT=43.70 ELE=347.16

SLN_WYA_20
COPPER STRING 2.0
STA=101250
X=436966.04
Y=7611128.96
HT=49.70 ELE=338.90

SLN_WYA_21
COPPER STRING 2.0
STA=101827
X=436479.33
Y=7610818.37
HT=49.70 ELE=340.37

SLN_WYA_22
COPPER STRING 2.0
STA=102403
X=435993.56
Y=7610508.38
HT=46.70 ELE=352.60



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AMDT	AMENDMENT DETAILS	DESIGN	CHK'D	DRAWN	CHK'D	APP'D	DATE

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A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE 100mm ON A1 ORIGINAL

UGL
COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 41 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-041	41	A



S-CADD DRAWING

40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

SLN_WYA_22
COPPER STRING 2.0
STA=102403
X=435993.56
Y=7610508.38
HT=46.70 ELE=352.60

SLN_WYA_23
COPPER STRING 2.0
STA=102940
X=435540.94
Y=7610219.55
HT=49.70 ELE=344.39

SLN_WYA_24
COPPER STRING 2.0
STA=103538
X=435037.57
Y=7609898.33
HT=49.70 ELE=337.92

SLN_WYA_25
COPPER STRING 2.0
STA=104137
X=434531.89
Y=7609575.64
HT=46.70 ELE=336.08

SLN_WYA_26
COPPER STRING 2.0
STA=104737
X=434026.76
Y=7609253.29
HT=52.70 ELE=335.67

650 600 550 500 450 400 350 300

537 597 600 599

102400 102600 102800 103000 103200 103400 103600 103800 104000 104200 104400 104600

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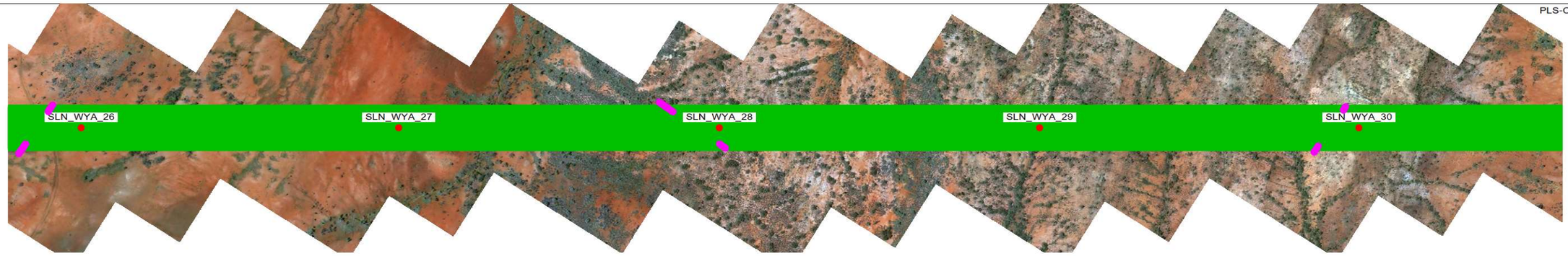
A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE 100mm ON A1 ORIGINAL

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 42 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-042	42	A

PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:
1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

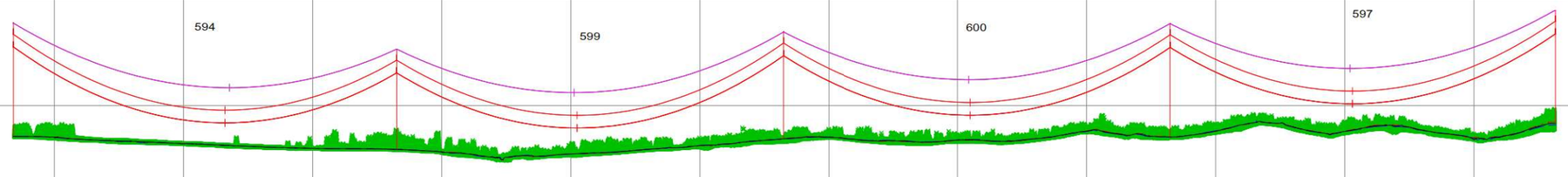
SLN_WYA_26
COPPER STRING 2.0
STA=104737
X=434026.76
Y=7609253.29
HT=52.70 ELE=335.67

SLN_WYA_27
COPPER STRING 2.0
STA=105330
X=433526.29
Y=7608933.93
HT=46.70 ELE=329.63

SLN_WYA_28
COPPER STRING 2.0
STA=105929
X=433021.18
Y=7608611.60
HT=49.70 ELE=334.58

SLN_WYA_29
COPPER STRING 2.0
STA=106529
X=432515.53
Y=7608288.92
HT=52.70 ELE=335.45

SLN_WYA_30
COPPER STRING 2.0
STA=107126
X=432012.39
Y=7607967.85
HT=52.70 ELE=341.75



650 600 550 500 450 400 350 300

104600 104800 105000 105200 105400 105600 105800 106000 106200 106400 106600 106800 107000

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A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE | 100mm ON A1 ORIGINAL

UGL
COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 43 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-043	43	A

PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

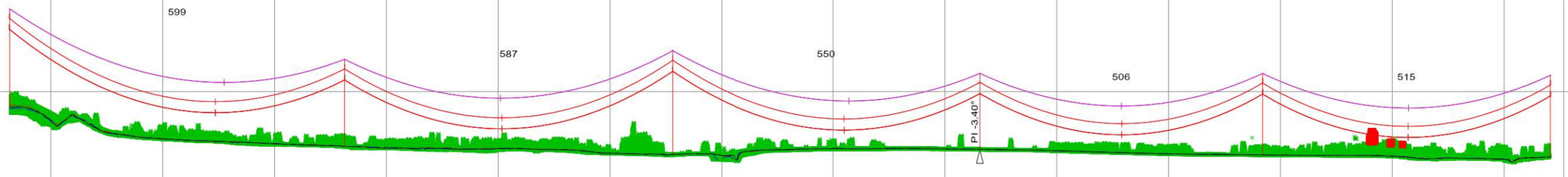
NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

SLN_WYA_30	SLN_WYA_31	SLN_WYA_32	SLN_WYA_33	SLN_WYA_34	SLN_WYA_35
COPPER STRING 2.0	COPPER STRING 2.0	COPPER STRING 2.0	COPPER STRING 2.0	COPPER STRING 2.0	COPPER STRING 2.0
STA=107126	STA=107725	STA=108312	STA=108862	STA=109368	STA=109883
X=432012.39	X=431507.31	X=431012.52	X=430548.73	X=430139.36	X=429722.73
Y=7607967.85	Y=7607645.54	Y=7607329.80	Y=7607033.84	Y=7606737.04	Y=7606434.98
HT=52.70 ELE=341.75	HT=46.70 ELE=320.68	HT=55.70 ELE=316.32	HT=40.90 ELE=318.84	HT=43.70 ELE=316.10	HT=43.70 ELE=315.08
			LINE ANGLE=-3.40°		



650 600 550 500 450 400 350 300

107000 107200 107400 107600 107800 108000 108200 108400 108600 108800 109000 109200 109400 109600 109800

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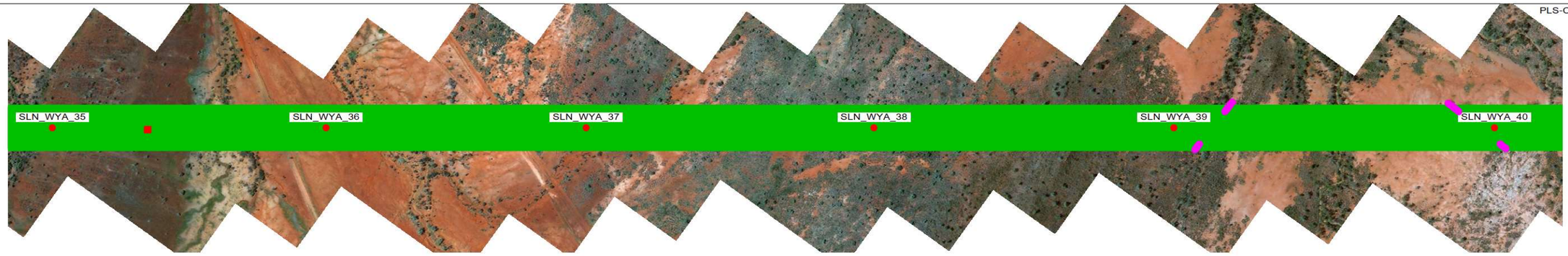
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CHECKED	
DRAWN	
CHECKED	
APPROVED	

A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE | 100mm ON A1 ORIGINAL

UGL
COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 44 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-044	44	A

PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

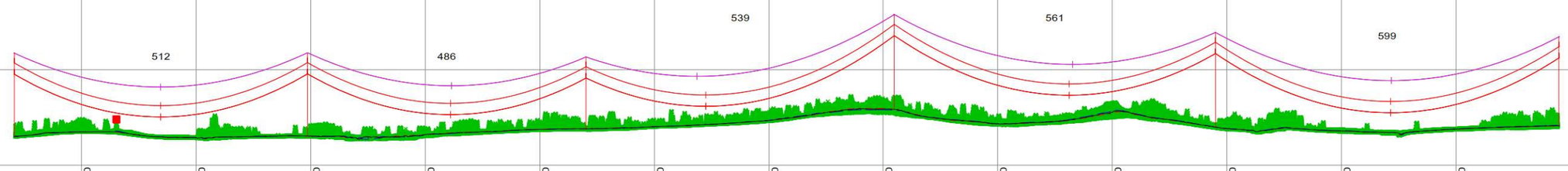
NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

SLN_WYA_35	SLN_WYA_36	SLN_WYA_37	SLN_WYA_38	SLN_WYA_39	SLN_WYA_40
COPPER STRING 2.0	COPPER STRING 2.0	COPPER STRING 2.0	COPPER STRING 2.0	COPPER STRING 2.0	COPPER STRING 2.0
STA=109883	STA=110394	STA=110881	STA=111420	STA=111980	STA=112580
X=429722.73	X=429308.39	X=428914.90	X=428478.44	X=428024.53	X=427539.31
Y=7606434.98	Y=7606134.58	Y=7605849.29	Y=7605532.86	Y=7605203.77	Y=7604851.98
HT=43.70 ELE=315.08	HT=43.70 ELE=315.26	HT=37.70 ELE=319.08	HT=49.70 ELE=329.27	HT=49.70 ELE=319.91	HT=46.70 ELE=320.60



650 600 550 500 450 400 350 300

109800 110000 110200 110400 110600 110800 111000 111200 111400 111600 111800 112000 112200 112400

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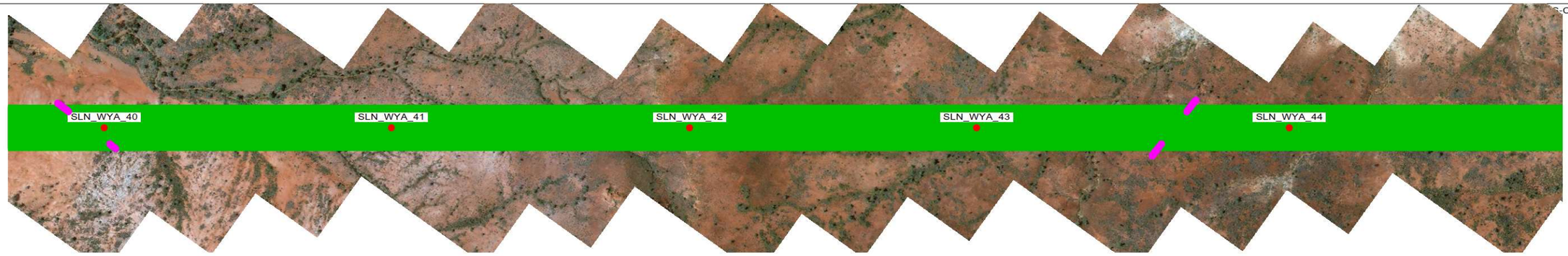
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DRAWN	
CHECKED	
APPROVED	

A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE | 100mm ON A1 ORIGINAL

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 45 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-045	45	A



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:
1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

SLN_WYA_40
COPPER STRING 2.0
STA=112580
X=427539.31
Y=7604851.98
HT=46.70 ELE=320.60

SLN_WYA_41
COPPER STRING 2.0
STA=113116
X=427104.66
Y=7604536.85
HT=43.70 ELE=324.22

SLN_WYA_42
COPPER STRING 2.0
STA=113674
X=426653.32
Y=7604209.63
HT=43.70 ELE=343.14

SLN_WYA_43
COPPER STRING 2.0
STA=114211
X=426218.13
Y=7603894.11
HT=49.70 ELE=335.34

SLN_WYA_44
COPPER STRING 2.0
STA=114796
X=425744.81
Y=7603550.95
HT=46.70 ELE=331.38

537 557 538 585

650 600 550 500 450 400 350 300

112400 112600 112800 113000 113200 113400 113600 113800 114000 114200 114400 114600

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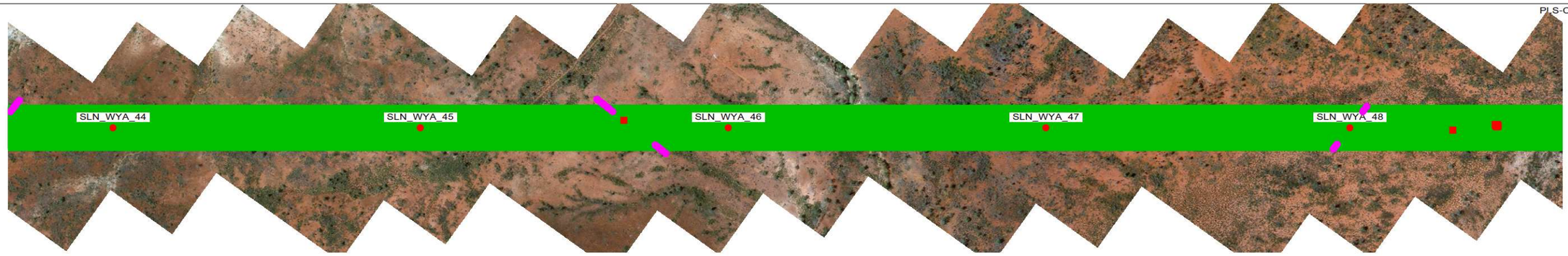
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A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE 100mm ON A1 ORIGINAL

UGL
COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 46 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-046	46	A

PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:
1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

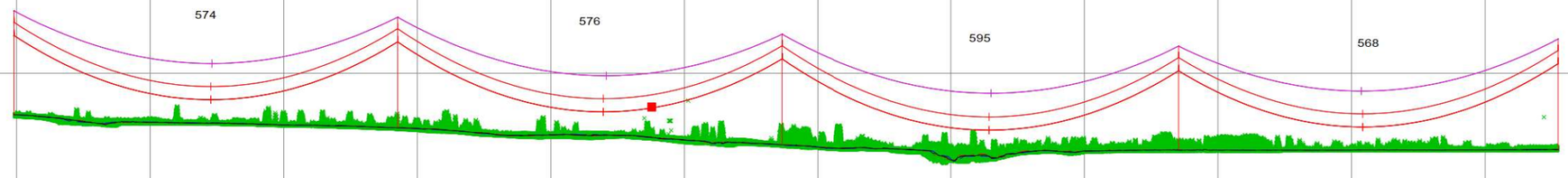
SLN_WYA_44
COPPER STRING 2.0
STA=114796
X=425744.81
Y=7603550.95
HT=46.70 ELE=331.38

SLN_WYA_45
COPPER STRING 2.0
STA=115371
X=425279.74
Y=7603213.77
HT=49.70 ELE=325.52

SLN_WYA_46
COPPER STRING 2.0
STA=115946
X=424813.66
Y=7602875.86
HT=49.70 ELE=317.88

SLN_WYA_47
COPPER STRING 2.0
STA=116541
X=424332.10
Y=7602526.72
HT=46.70 ELE=315.56

SLN_WYA_48
COPPER STRING 2.0
STA=117109
X=423872.01
Y=7602193.15
HT=49.70 ELE=315.77



650 600 550 500 450 400 350 300

114600 114800 115000 115200 115400 115600 115800 116000 116200 116400 116600 116800 117000

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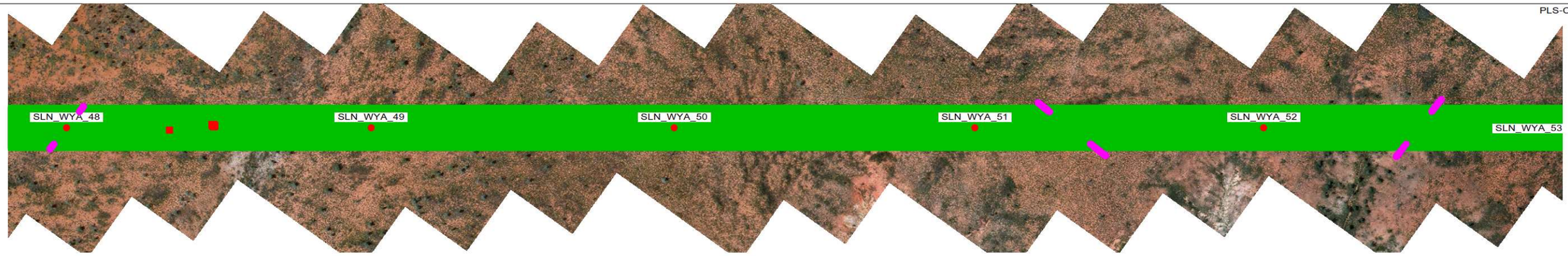
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CHECKED	
DRAWN	
CHECKED	
APPROVED	

A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE | 100mm ON A1 ORIGINAL

UGL
COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 47 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-047	47	A

PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

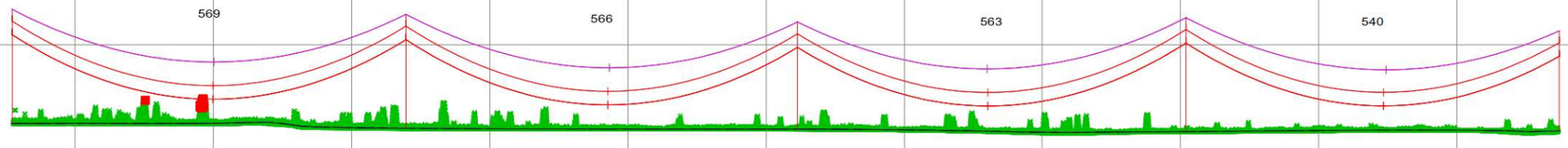
SLN_WYA_48
COPPER STRING 2.0
STA=117109
X=423872.01
Y=7602193.15
HT=49.70 ELE=315.77

SLN_WYA_49
COPPER STRING 2.0
STA=117679
X=423410.97
Y=7601858.90
HT=49.70 ELE=313.65

SLN_WYA_50
COPPER STRING 2.0
STA=118245
X=422952.48
Y=7601526.49
HT=46.70 ELE=313.30

SLN_WYA_51
COPPER STRING 2.0
STA=118808
X=422496.63
Y=7601195.99
HT=49.70 ELE=312.17

SLN_WYA_52
COPPER STRING 2.0
STA=119348
X=422059.53
Y=7600879.08
HT=43.70 ELE=312.44



650 600 550 500 450 400 350 300

117000 117200 117400 117600 117800 118000 118200 118400 118600 118800 119000 119200

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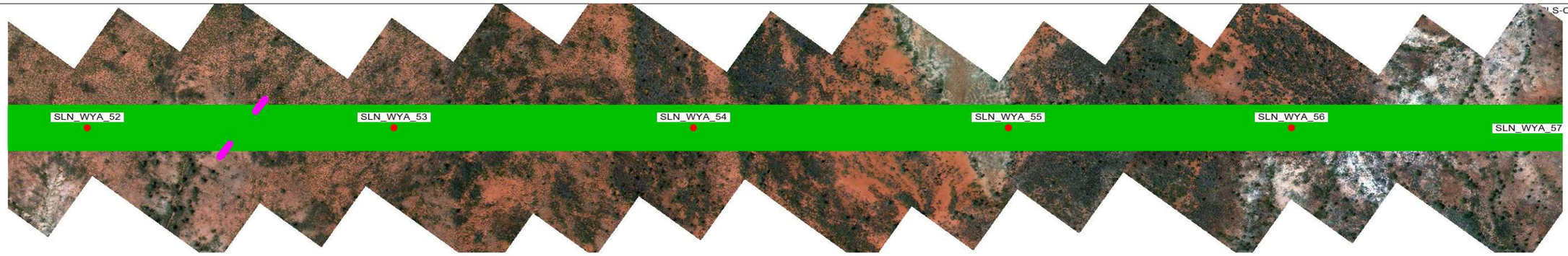
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DRAWN	
CHECKED	
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A1 | SCALE@A1 AS SHOWN

UGL
COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 48 OF 62

CLIENT COPPERSTRING | UGL DRAWING NO. 3200-0643-DP6-DRG-048 | SHEET 48 | AMDT A

CONFIRM SCALE 100mm ON A1 ORIGINAL



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

SLN_WYA_52
COPPER STRING 2.0
STA=119348
X=422059.53
Y=7600879.08
HT=43.70 ELE=312.44

SLN_WYA_53
COPPER STRING 2.0
STA=119921
X=421595.42
Y=7600542.61
HT=49.70 ELE=313.55

SLN_WYA_54
COPPER STRING 2.0
STA=120481
X=421142.11
Y=7600213.95
HT=49.70 ELE=314.57

SLN_WYA_55
COPPER STRING 2.0
STA=121071
X=420664.60
Y=7599867.75
HT=49.70 ELE=312.75

SLN_WYA_56
COPPER STRING 2.0
STA=121600
X=420236.21
Y=7599557.16
HT=43.70 ELE=315.94

650 600 550 500 450 400 350 300

573 560 590 529

119200 119400 119600 119800 120000 120200 120400 120600 120800 121000 121200 121400 121600

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DESIGNED	
CHECKED	
DRAWN	
CHECKED	
APPROVED	

A1 | SCALE@A1 AS SHOWN

UGL
COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 49 OF 62

CLIENT COPPERSTRING | UGL DRAWING NO. 3200-0643-DP6-DRG-049 | SHEET 49 | AMDT A

CONFIRM SCALE 100mm ON A1 ORIGINAL



FOR CADD DRAWING

40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

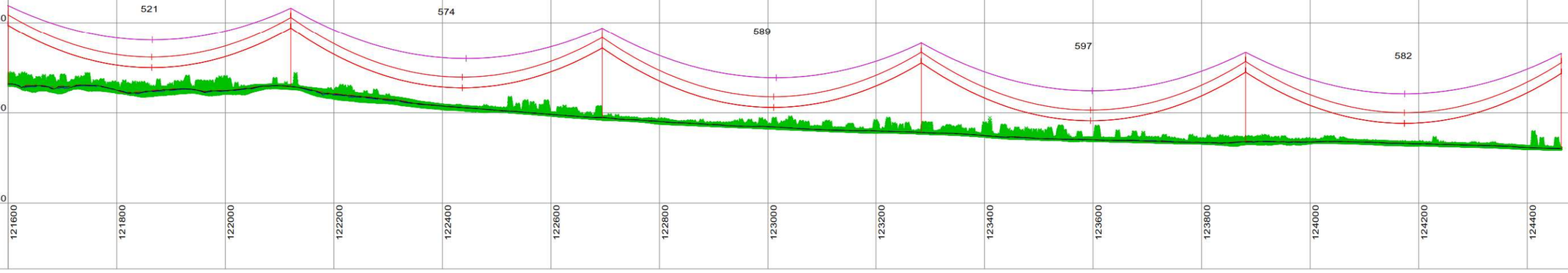
NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

SLN_WYA_56	SLN_WYA_57	SLN_WYA_58	SLN_WYA_59	SLN_WYA_60	SLN_WYA_61
COPPER STRING 2.0	COPPER STRING 2.0	COPPER STRING 2.0	COPPER STRING 2.0	COPPER STRING 2.0	COPPER STRING 2.0
STA=121600	STA=122121	STA=122695	STA=123284	STA=123881	STA=124463
X=420236.21	X=419814.80	X=419350.18	X=418873.26	X=418389.57	X=417918.68
Y=7599557.16	Y=7599251.64	Y=7598914.78	Y=7598569.01	Y=7598218.33	Y=7597876.93
HT=43.70 ELE=315.94	HT=43.70 ELE=314.53	HT=49.70 ELE=297.36	HT=49.70 ELE=289.09	HT=49.70 ELE=283.92	HT=52.70 ELE=280.22



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A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE 100mm ON A1 ORIGINAL

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 50 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-050	50	A

PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:
1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

SLN_WYA_61
COPPER STRING 2.0
STA=124463
X=417918.68
Y=7597876.93
HT=52.70 ELE=280.22

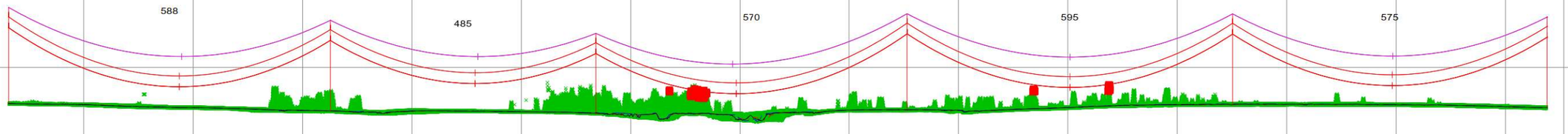
SLN_WYA_62
COPPER STRING 2.0
STA=125051
X=417442.52
Y=7597531.71
HT=49.70 ELE=276.19

SLN_WYA_63
COPPER STRING 2.0
STA=125536
X=417049.60
Y=7597246.85
HT=43.70 ELE=275.05
LINE ANGLE=0.00°

SLN_WYA_64
COPPER STRING 2.0
STA=126106
X=416588.13
Y=7596912.27
HT=52.70 ELE=276.82

SLN_WYA_65
COPPER STRING 2.0
STA=126701
X=416106.41
Y=7596563.02
HT=49.70 ELE=279.69

SLN_WYA_66
COPPER STRING 2.0
STA=127276
X=415640.89
Y=7596225.51
HT=49.70 ELE=277.97



600 550 500 450 400 350 300 250

124400 124600 124800 125000 125200 125400 125600 125800 126000 126200 126400 126600 126800 127000 127200

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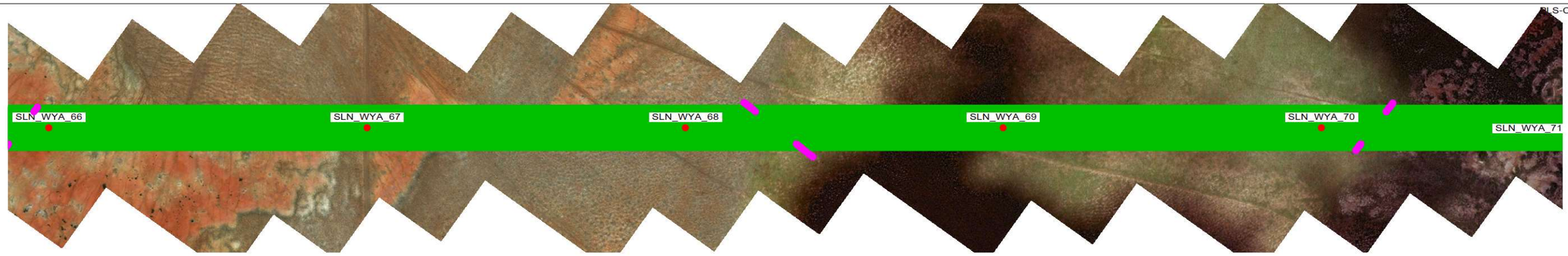
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DRAWN	
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APPROVED	

A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE | 100mm ON A1 ORIGINAL

UGL
COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 51 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-051	51	A

PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

SLN_WYA_66
COPPER STRING 2.0
STA=127276
X=415640.89
Y=7596225.51
HT=49.70 ELE=277.97

SLN_WYA_67
COPPER STRING 2.0
STA=127871
X=415159.17
Y=7595876.26
HT=52.70 ELE=278.81

SLN_WYA_68
COPPER STRING 2.0
STA=128466
X=414677.46
Y=7595527.02
HT=52.70 ELE=278.10

SLN_WYA_69
COPPER STRING 2.0
STA=129061
X=414195.74
Y=7595177.77
HT=49.70 ELE=276.29

SLN_WYA_70
COPPER STRING 2.0
STA=129656
X=413714.02
Y=7594828.52
HT=52.70 ELE=274.35

595 595 595 595

600 550 500 450 400 350 300 250

127200 127400 127600 127800 128000 128200 128400 128600 128800 129000 129200 129400 129600

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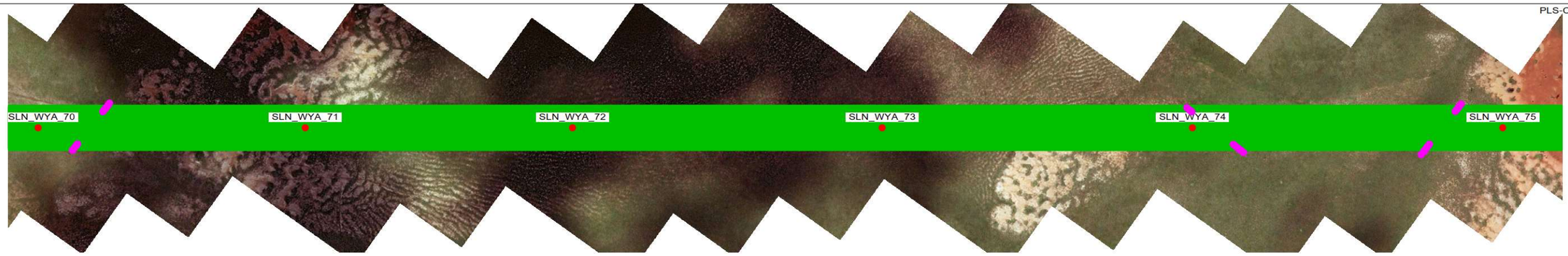
DOCUMENT STATUS UNLESS THIS DOCUMENT BEARS A RED STAMP IT IS UNCONTROLLED AND MAY NOT BE THE LATEST ISSUE. THEREFORE, VERIFY STATUS BEFORE USE.

A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE | 100mm ON A1 ORIGINAL

UGL
COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 52 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-052	52	A

PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

SLN_WYA_70
COPPER STRING 2.0
STA=129656
X=413714.02
Y=7594828.52
HT=52.70 ELE=274.35

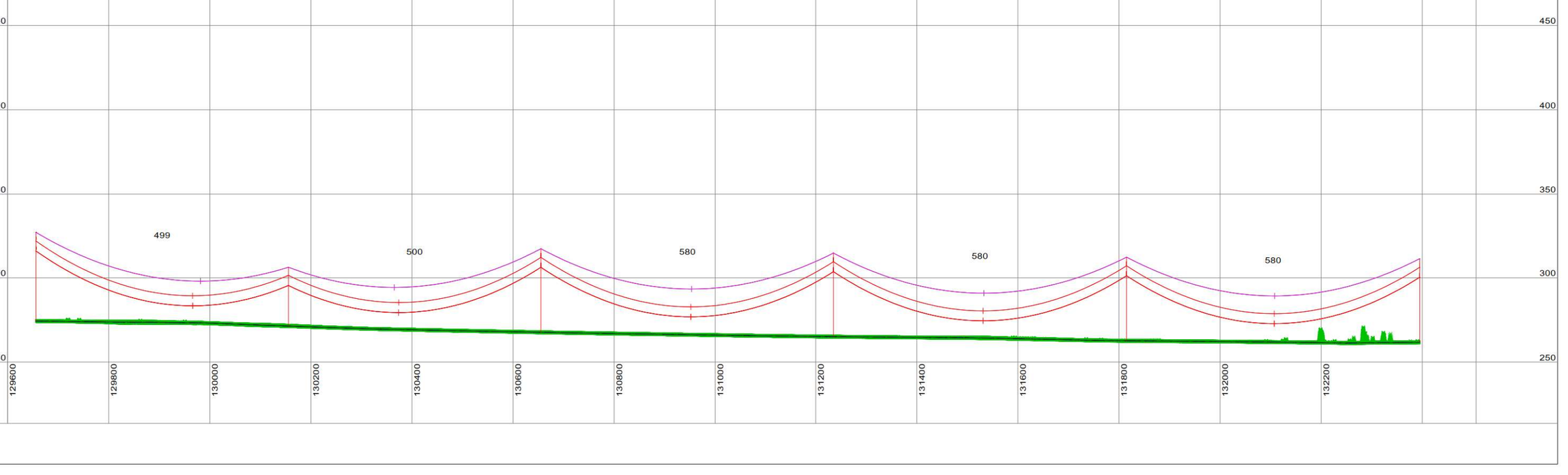
SLN_WYA_71
COPPER STRING 2.0
STA=130155
X=413309.76
Y=7594535.43
HT=34.90 ELE=271.37

SLN_WYA_72
COPPER STRING 2.0
STA=130655
X=412905.33
Y=7594242.21
HT=49.70 ELE=267.67

SLN_WYA_73
COPPER STRING 2.0
STA=131235
X=412435.75
Y=7593901.76
HT=49.70 ELE=265.07

SLN_WYA_74
COPPER STRING 2.0
STA=131815
X=411966.18
Y=7593561.32
HT=49.70 ELE=262.67

SLN_WYA_75
COPPER STRING 2.0
STA=132395
X=411496.61
Y=7593220.87
HT=49.70 ELE=261.77



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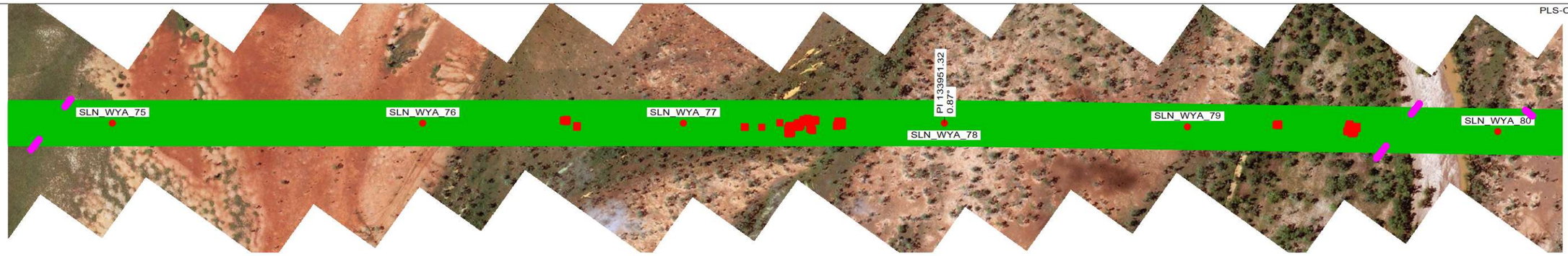
A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE 100mm ON A1 ORIGINAL

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 53 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-053	53	A

PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:
1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

SLN_WYA_75
COPPER STRING 2.0
STA=132395
X=411496.61
Y=7593220.87
HT=49.70 ELE=261.77

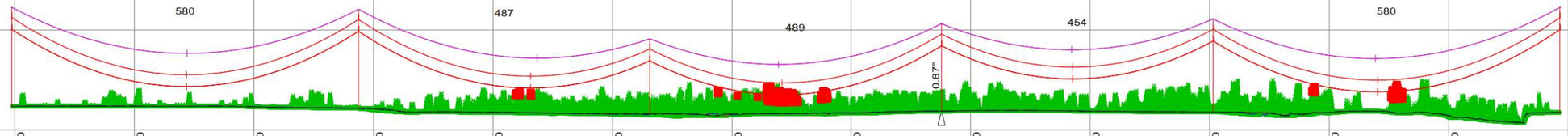
SLN_WYA_76
COPPER STRING 2.0
STA=132975
X=411027.04
Y=7592880.43
HT=49.70 ELE=260.81

SLN_WYA_77
COPPER STRING 2.0
STA=133462
X=410632.54
Y=7592594.41
HT=37.70 ELE=258.04

SLN_WYA_78
COPPER STRING 2.0
STA=133951
X=410236.62
Y=7592307.37
HT=43.70 ELE=259.57
LINE ANGLE=0.87°

SLN_WYA_79
COPPER STRING 2.0
STA=134406
X=409864.73
Y=7592046.26
HT=46.70 ELE=258.94

SLN_WYA_80
COPPER STRING 2.0
STA=134986
X=409389.96
Y=7591712.92
HT=52.70 ELE=258.71



600 550 500 450 400 350 300 250

132200 132400 132600 132800 133000 133200 133400 133600 133800 134000 134200 134400 134600 134800

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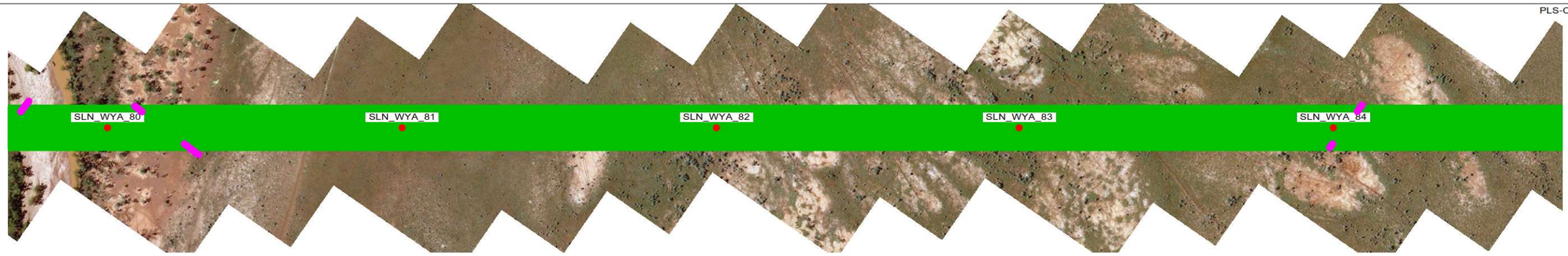
A1 | SCALE@A1 AS SHOWN

UGL
COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 54 OF 62

CLIENT COPPERSTRING | UGL DRAWING NO. 3200-0643-DP6-DRG-054 | SHEET 54 | AMDT A

CONFIRM SCALE 100mm ON A1 ORIGINAL

PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

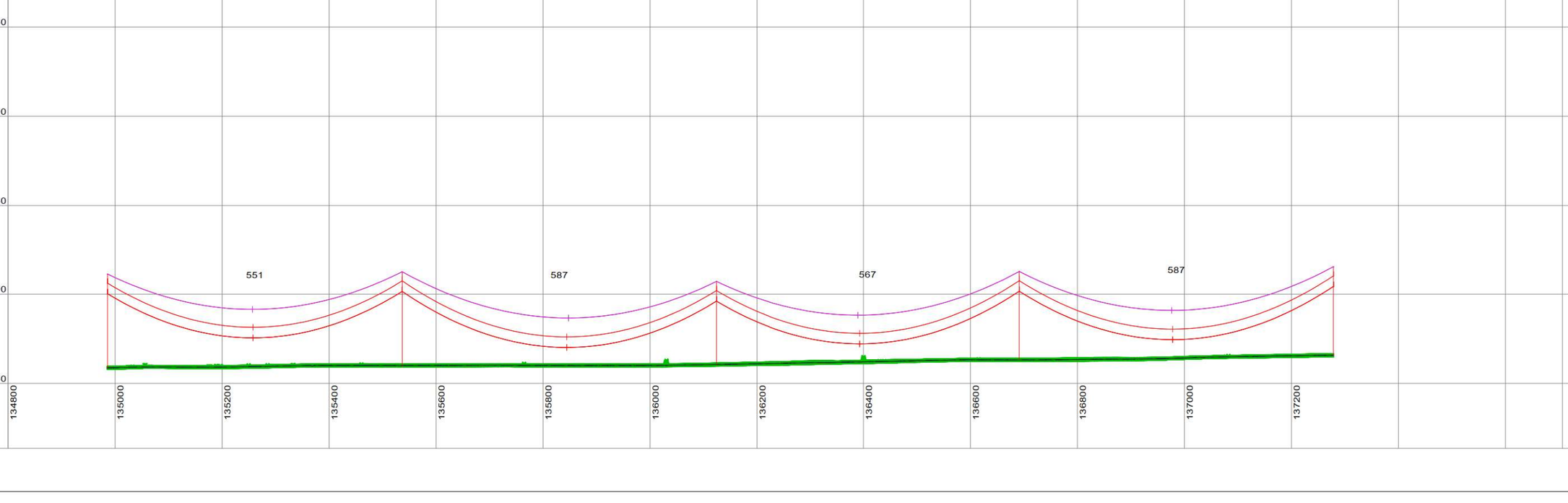
SLN_WYA_80
COPPER STRING 2.0
STA=134986
X=409389.96
Y=7591712.92
HT=52.70 ELE=258.71

SLN_WYA_81
COPPER STRING 2.0
STA=135537
X=408939.16
Y=7591396.41
HT=52.70 ELE=260.00

SLN_WYA_82
COPPER STRING 2.0
STA=136124
X=408458.38
Y=7591058.85
HT=46.70 ELE=260.57

SLN_WYA_83
COPPER STRING 2.0
STA=136691
X=407994.27
Y=7590732.99
HT=49.70 ELE=263.12

SLN_WYA_84
COPPER STRING 2.0
STA=137278
X=407513.67
Y=7590395.56
HT=49.70 ELE=265.80



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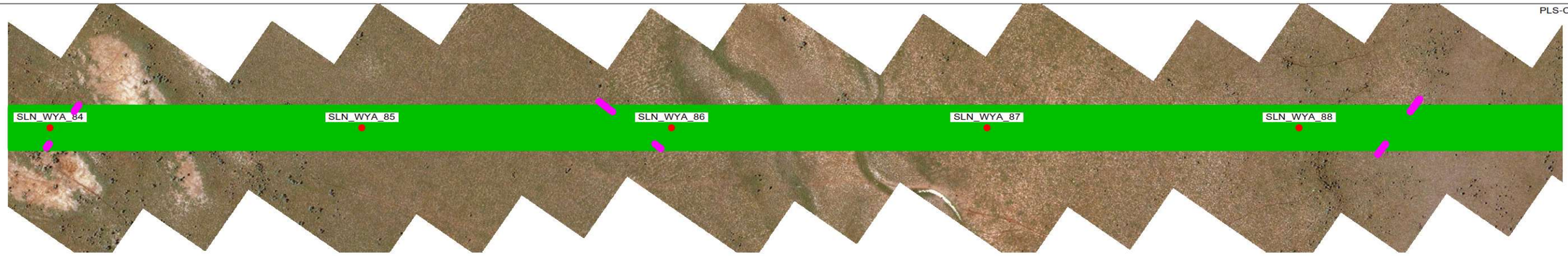
A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE | 100mm ON A1 ORIGINAL

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 55 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-055	55	A

PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

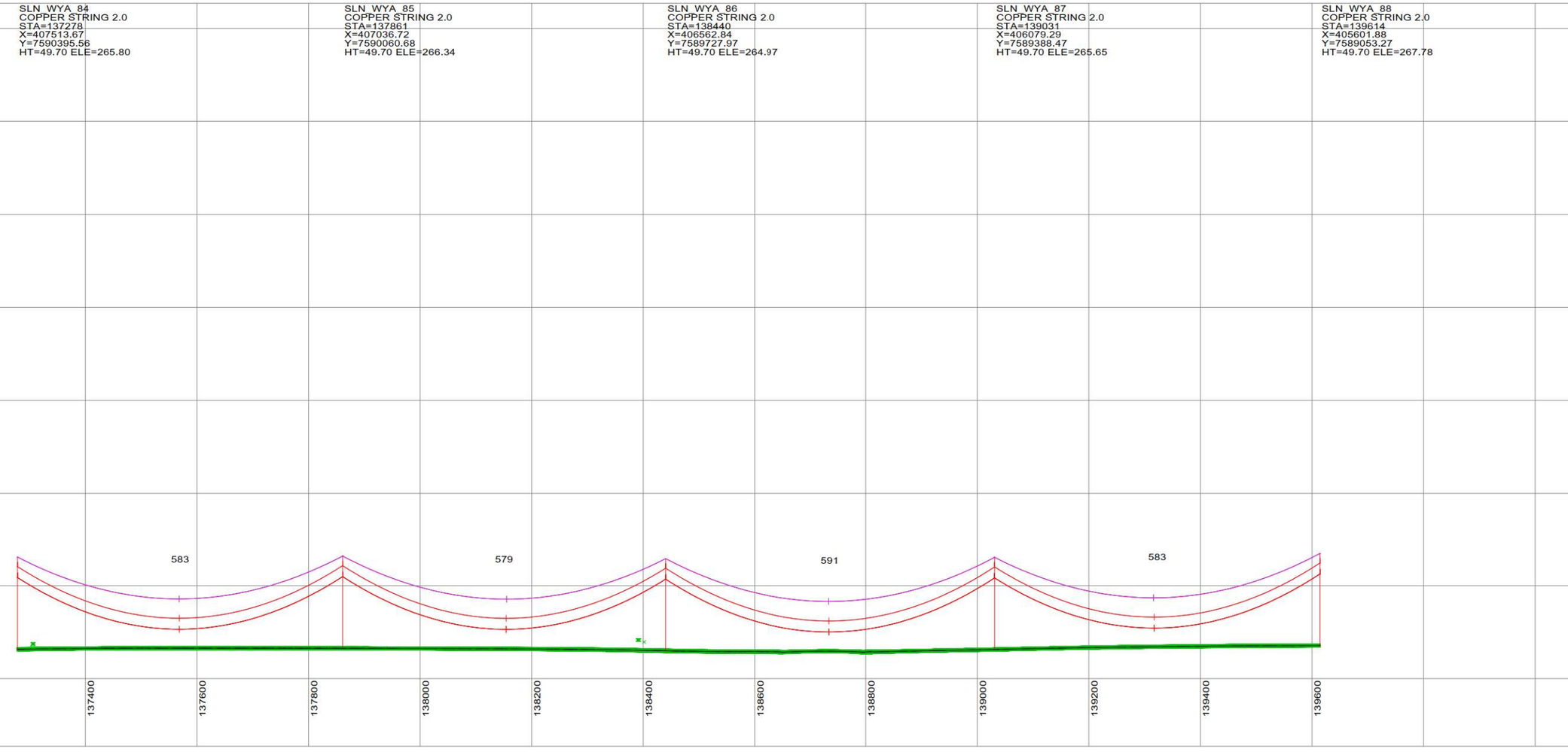
SLN_WYA_84
COPPER STRING 2.0
STA=137278
X=407513.67
Y=7590395.56
HT=49.70 ELE=265.80

SLN_WYA_85
COPPER STRING 2.0
STA=137861
X=407036.72
Y=7590060.68
HT=49.70 ELE=266.34

SLN_WYA_86
COPPER STRING 2.0
STA=138440
X=406562.84
Y=7589727.97
HT=49.70 ELE=264.97

SLN_WYA_87
COPPER STRING 2.0
STA=139031
X=406079.29
Y=7589388.47
HT=49.70 ELE=265.65

SLN_WYA_88
COPPER STRING 2.0
STA=139614
X=405601.88
Y=7589053.27
HT=49.70 ELE=267.78



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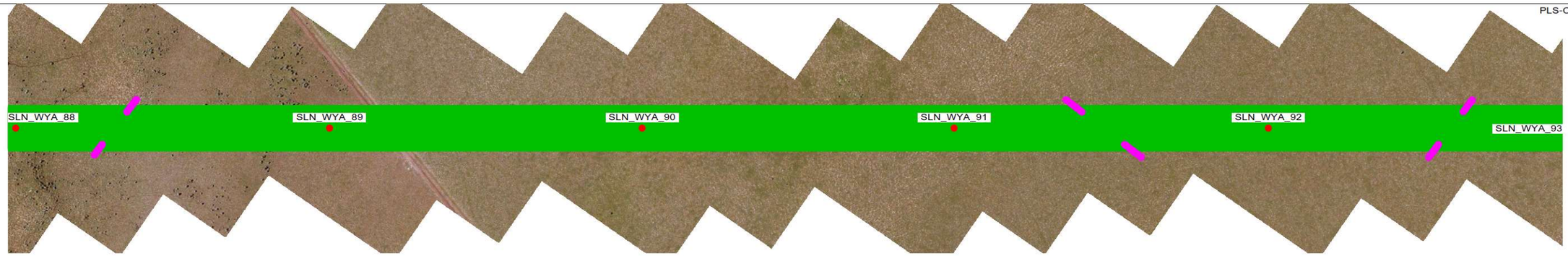
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A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE 100mm ON A1 ORIGINAL

UGL
COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 56 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-056	56	A

PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

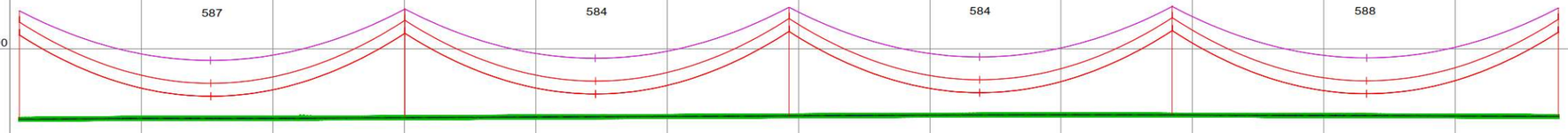
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COPPER STRING 2.0
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X=405601.88
Y=7589053.27
HT=49.70 ELE=267.78

SLN_WYA_89
COPPER STRING 2.0
STA=140201
X=405121.82
Y=7588716.22
HT=49.70 ELE=268.57

SLN_WYA_90
COPPER STRING 2.0
STA=140785
X=404643.63
Y=7588380.47
HT=49.70 ELE=269.40

SLN_WYA_91
COPPER STRING 2.0
STA=141369
X=404165.52
Y=7588044.79
HT=49.70 ELE=269.75

SLN_WYA_92
COPPER STRING 2.0
STA=141957
X=403684.63
Y=7587707.15
HT=49.70 ELE=269.07



600 550 500 450 400 350 300 250

139600 139800 140000 140200 140400 140600 140800 141000 141200 141400 141600 141800

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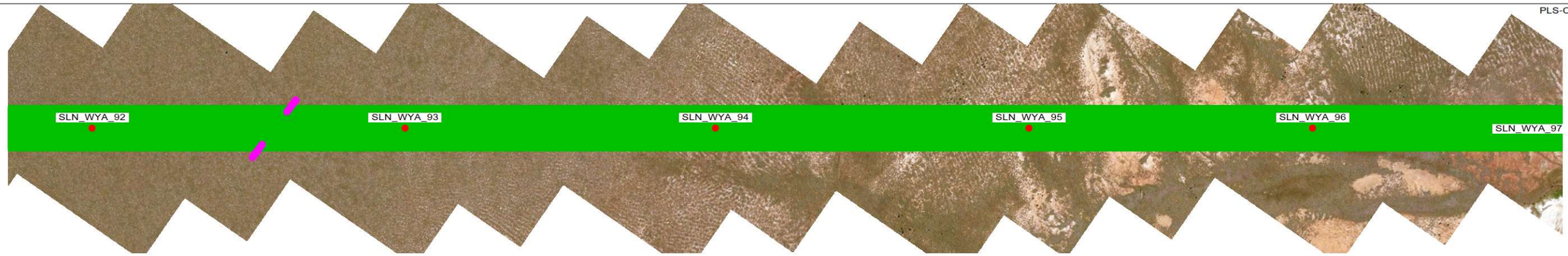
A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE | 100mm ON A1 ORIGINAL

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 57 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-057	57	A

PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:
1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

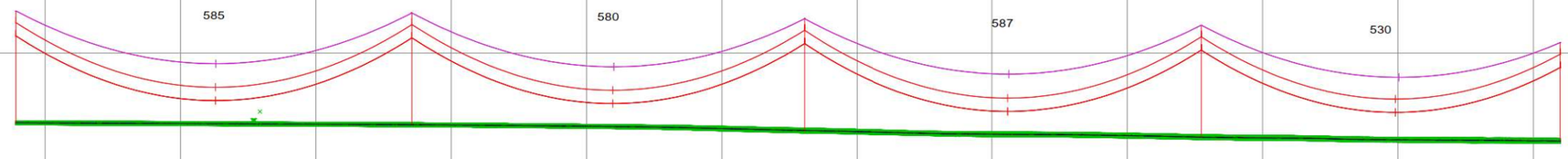
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COPPER STRING 2.0
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HT=49.70 ELE=269.07

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COPPER STRING 2.0
STA=142542
X=403205.82
Y=7587370.97
HT=49.70 ELE=268.20

SLN_WYA_94
COPPER STRING 2.0
STA=143122
X=402730.96
Y=7587037.56
HT=49.70 ELE=265.64

SLN_WYA_95
COPPER STRING 2.0
STA=143709
X=402250.40
Y=7586700.16
HT=49.70 ELE=262.76

SLN_WYA_96
COPPER STRING 2.0
STA=144240
X=401816.53
Y=7586395.53
HT=43.70 ELE=261.03



600 550 500 450 400 350 300 250

141800 142000 142200 142400 142600 142800 143000 143200 143400 143600 143800 144000 144200

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A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE | 100mm ON A1 ORIGINAL

UGL
COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 58 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-058	58	A



S-CADD DRAWING

40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

SLN_WYA_96
COPPER STRING 2.0
STA=144240
X=401816.53
Y=7586395.53
HT=43.70 ELE=261.03

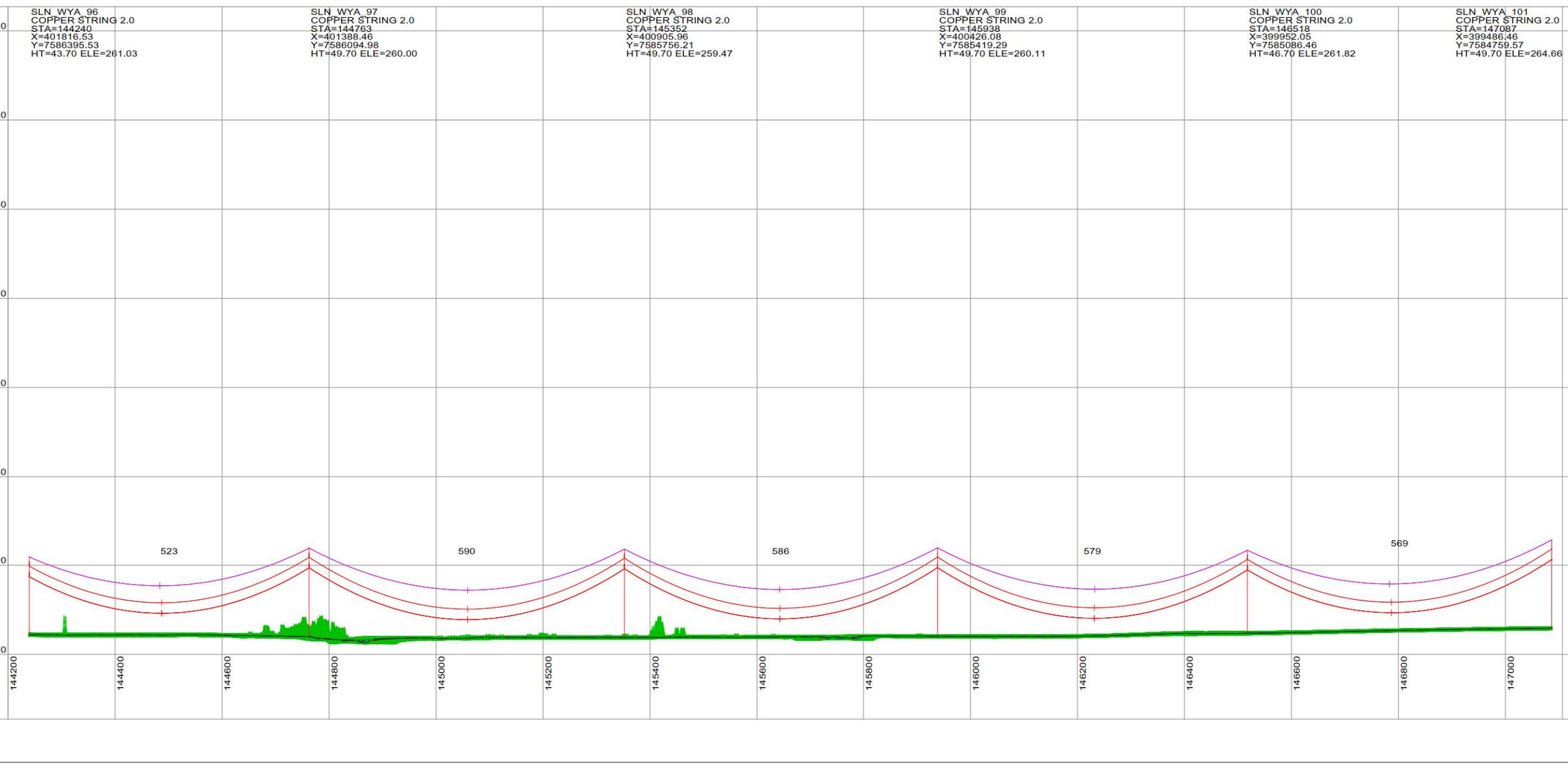
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COPPER STRING 2.0
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Y=7586094.98
HT=49.70 ELE=260.00

SLN_WYA_98
COPPER STRING 2.0
STA=145352
X=400905.96
Y=7585756.21
HT=49.70 ELE=259.47

SLN_WYA_99
COPPER STRING 2.0
STA=145938
X=400426.08
Y=7585419.29
HT=49.70 ELE=260.11

SLN_WYA_100
COPPER STRING 2.0
STA=146518
X=399952.05
Y=7585086.46
HT=46.70 ELE=261.82

SLN_WYA_101
COPPER STRING 2.0
STA=147087
X=399486.46
Y=7584759.57
HT=49.70 ELE=264.66



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A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE 100mm ON A1 ORIGINAL

UGL
COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 59 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-059	59	A

PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

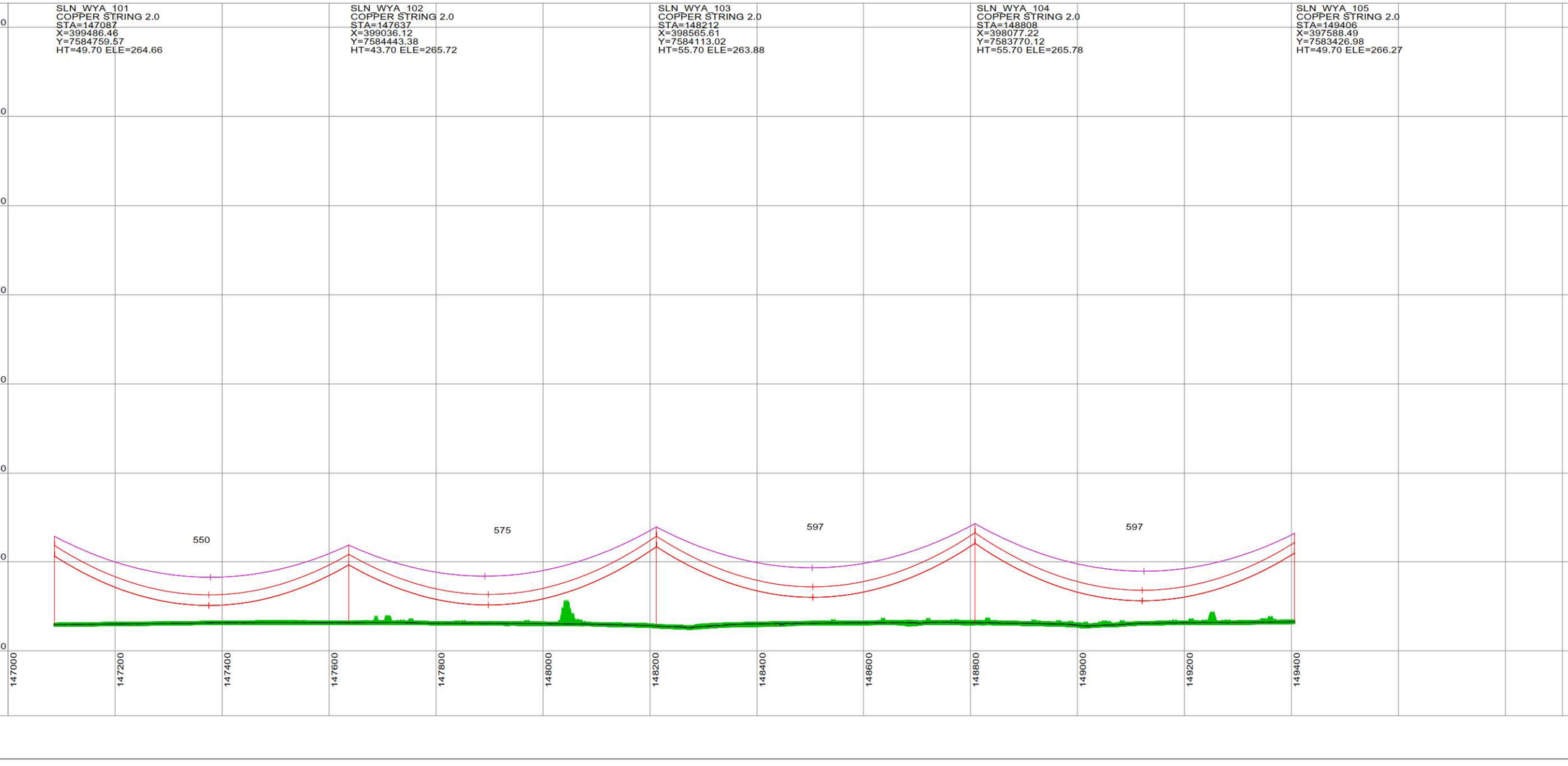
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COPPER STRING 2.0
STA=147087
X=399486.46
Y=7584759.57
HT=49.70 ELE=264.66

SLN_WYA_102
COPPER STRING 2.0
STA=147637
X=399036.12
Y=7584443.38
HT=43.70 ELE=265.72

SLN_WYA_103
COPPER STRING 2.0
STA=148212
X=398565.61
Y=7584113.02
HT=55.70 ELE=263.88

SLN_WYA_104
COPPER STRING 2.0
STA=148808
X=398077.22
Y=7583770.12
HT=55.70 ELE=265.78

SLN_WYA_105
COPPER STRING 2.0
STA=149406
X=397588.49
Y=7583426.98
HT=49.70 ELE=266.27



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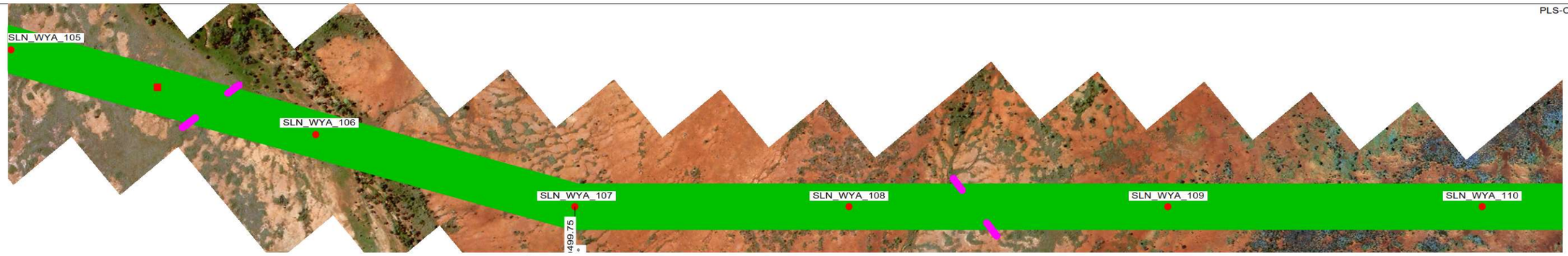
A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE | 100mm ON A1 ORIGINAL

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 60 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-060	60	A

PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

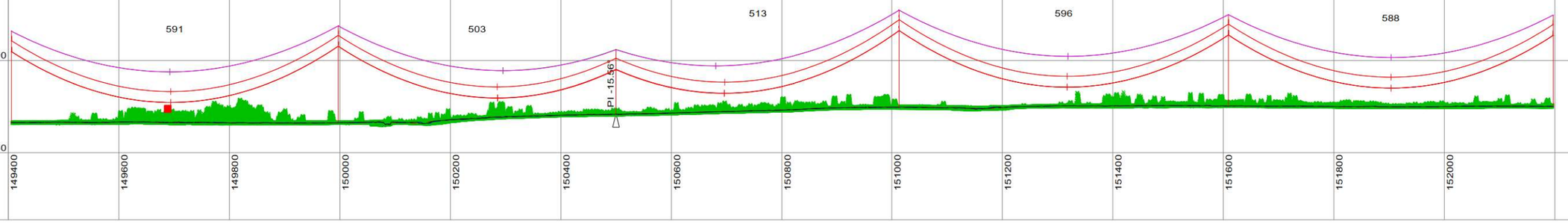
NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

SLN_WYA_105	SLN_WYA_106	SLN_WYA_107	SLN_WYA_108	SLN_WYA_109	SLN_WYA_110
COPPER STRING 2.0	COPPER STRING 2.0	COPPER STRING 2.0	COPPER STRING 2.0	COPPER STRING 2.0	COPPER STRING 2.0
STA=149406	STA=149997	STA=150500	STA=151013	STA=151609	STA=152197
X=397588.49	X=397104.52	X=396693.06	X=396367.36	X=395989.29	X=395616.51
Y=7583426.98	Y=7583087.18	Y=7582798.29	Y=7582401.33	Y=7581940.54	Y=7581486.21
HT=49.70 ELE=266.27	HT=52.70 ELE=266.19	HT=34.90 ELE=271.06	HT=52.70 ELE=274.69	HT=49.70 ELE=275.29	HT=49.70 ELE=275.07
		LINE ANGLE=-15.56°			



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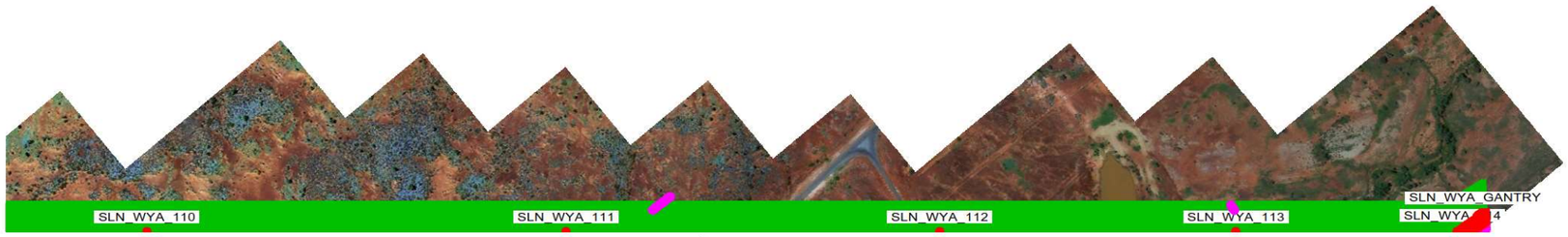
A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE | 100mm ON A1 ORIGINAL

UGL

COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 61 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-061	61	A

PLS-CADD DRAWING



40.0 M HORIZ. SCALE

12.0 M VERT. SCALE

NORTH

NOTE:

1. PHASE CONDUCTOR AT 90°C
2. EARTHWIRE AT 20°C
3. GROUND CLEARANCE AT 8.5M

-VEGETATION ENCROACHMENT

-VEGETATION

SLN_WYA_110
COPPER STRING 2.0
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Y=7581486.21
HT=49.70 ELE=275.07

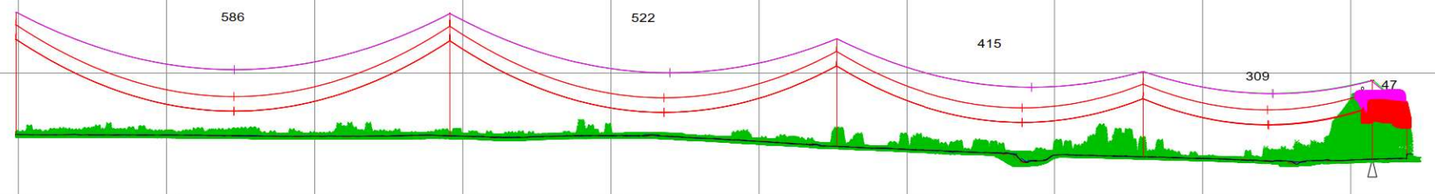
SLN_WYA_111
COPPER STRING 2.0
STA=152783
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Y=7581033.43
HT=49.70 ELE=274.52

SLN_WYA_112
COPPER STRING 2.0
STA=153305
X=394913.69
Y=7580629.61
HT=43.70 ELE=270.32

SLN_WYA_113
COPPER STRING 2.0
STA=153720
X=394650.61
Y=7580308.98
HT=34.70 ELE=266.06

SLN_WYA_GANTRY
GANTRY
STA=154076
X=394448.68
Y=7580023.41
HT=40.00 ELE=267.01

SLN_WYA_114
COPPER STRING 2.0
STA=154029
X=394454.54
Y=7580069.73
HT=31.90 ELE=265.12
LINE ANGLE=-32.09°



600 550 500 450 400 350 300 250

152000 152200 152400 152600 152800 153000 153200 153400 153600 153800 154000

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A1 | SCALE@A1 AS SHOWN | CONFIRM SCALE | 100mm ON A1 ORIGINAL

UGL
COPPERSTRING 2.0
DAJARRA ROAD TO PHOSPHATEHILL
220KV D/C TRANSMISSION LINE
PLAN AND PROFILE
SHEET 62 OF 62

CLIENT	UGL DRAWING NO.	SHEET	AMDT
COPPERSTRING	3200-0643-DP6-DRG-062	62	A