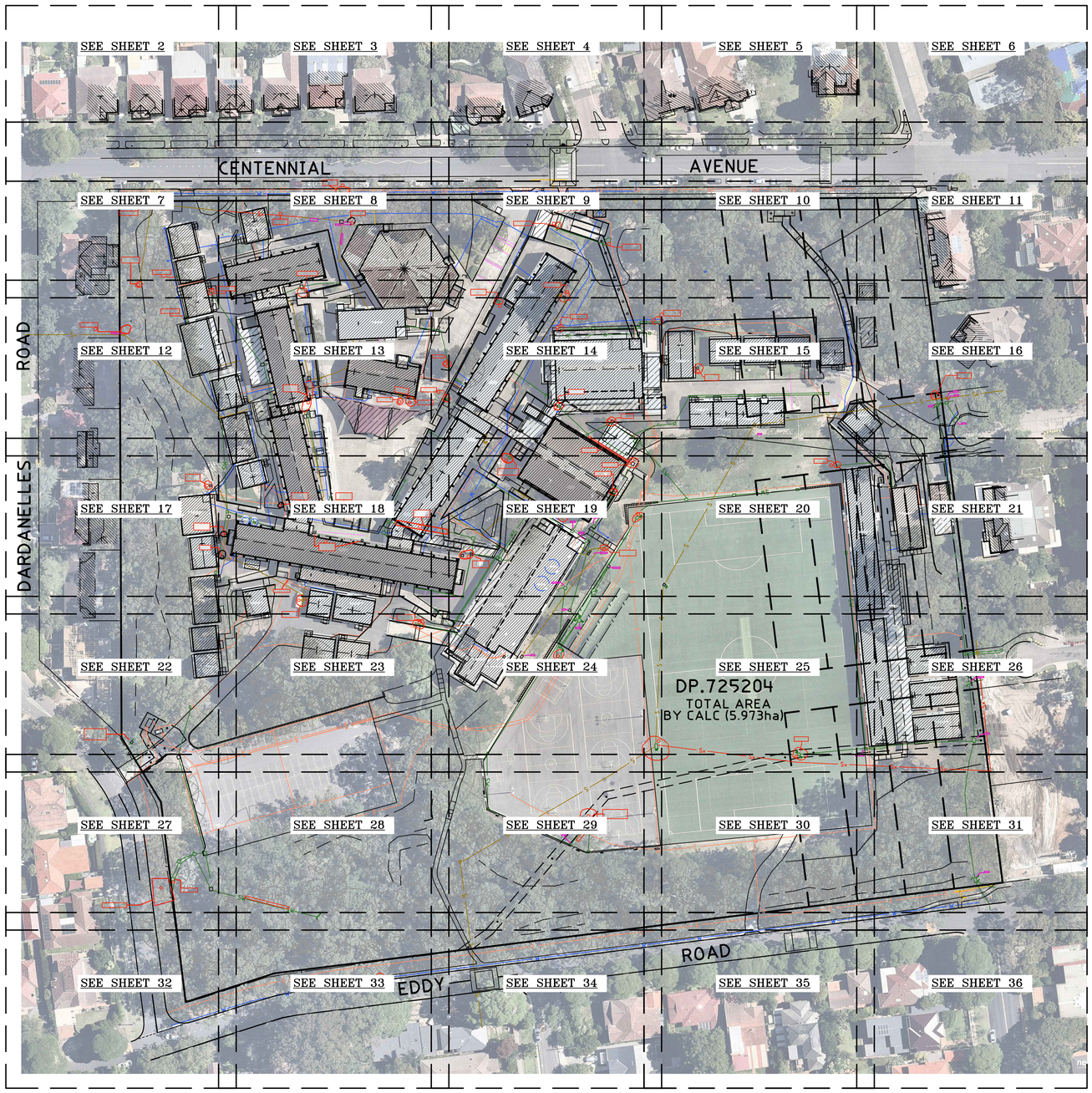
Upgrades to Chatswood Public School and Chatswood High School

Appendix 5 - Site Survey High School

SSD 9483
Prepared by CMS Surveyors
For School Infrastructure NSW, Department of Education

Artists impression of upgrades to Chatswood Public School

A1



MGA NORTH

FOR NOTES SEE SHEET 37
& FOR TREE TABLE SEE SHEET 37

0 10 20 30 40 50 60 70 80

SCALE 1:800

REVISION CLOUDS & NUMBERING REFERS TO SURVEYORS REPORT ON SERVICE PITS ACCOMPANIED BY THIS PAN. (1)

LEGEND

SLA = SURFACE LEVEL ABOVE
AT = ASTRO TURF
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SPREAD-DIA-HEIGHT

HORIZONTAL DATUM:
CO-ORDINATE SYSTEM: MGA GROUND
MARKS ADOPTED: SSM36739, SSM165617

VERTICAL DATUM:
DATUM: AUSTRALIAN HEIGHT DATUM (AHD)
B.M. ADOPTED: SSM 36739
R.L. 106.823 (ORDER L2)
SOURCE: S.C.I.M.S. (17/01/18)

5	UPDATE UNDERGROUND SERVICES	17/10/19
4	SERVICES LABELS UPDATED	11/03/19
3	FURTHER SERVICES INVESTIGATION	29/02/19
2	EXTRA DETAIL ADDED	24/01/19
1	FIRST ISSUE	27/02/18

CLIENT:
SCHOOLS INFASTRUCTURE NSW
LEVEL 8, 259 GEORGE STREET
SYDNEY NSW 2000

SURVEY PLAN
SHOWING DETAIL & LEVELS OVER
CHATSWOOD HIGH SCHOOL
LOT 1 IN DP725204
24 CENTENNIAL AVENUE,
CHATSWOOD NSW 2067

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LGA: WILLOUGHBY | SHEET 1 OF 37

SURVEYED	DRAWN	CHECKED	APPROVED
PB,BB,TC,ME	CJR	PB,BB,TC,ME	SE & DR

SURVEY INSTRUCTION	SCALE	DATE OF SURVEY
11915B	1:800 @ A1	12-25/01/18, 14-16/01/19

DRAWING NAME
11915Bdetail

CAD FILE
11915Bdetail 5.dwg

ISSUE
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DRAWING NAME: **11915Bdetail**
CAD FILE: 11915Bdetail 5.dwg
ISSUE: **5**

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SHEET 3 OF 37

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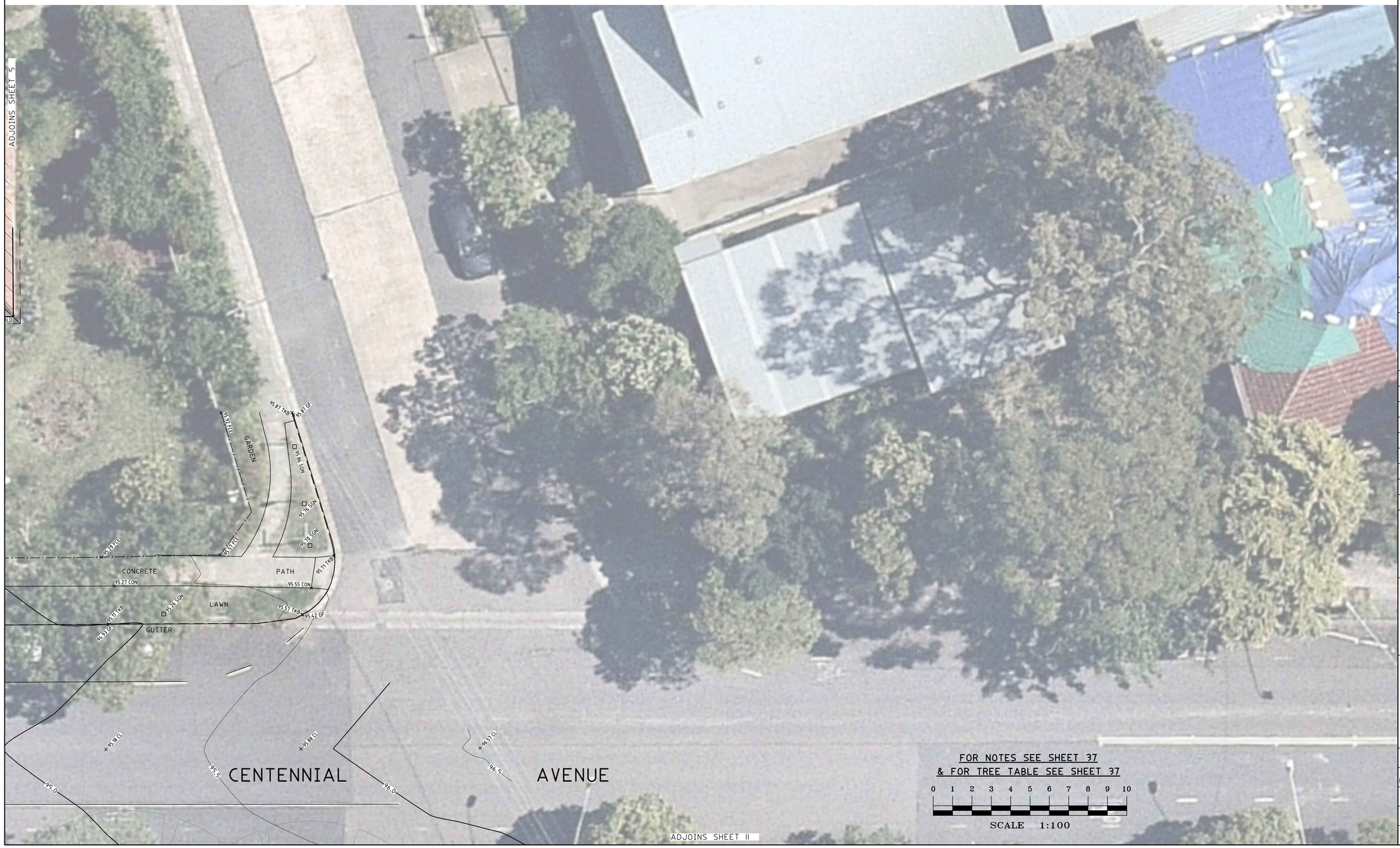

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FL = FLOOR LEVEL
FOCM = FIBRE OPTIC CABLE MARKER
FOD = FULL OF DEBRIS
FP = FLAG POLE
FSL = FIBRE OPTIC SLA
GAFL = GARAGE FLOOR LEVEL
GAR = GARAGE
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GM = GAS METER
GRT = GRATE
GSL = GAS SLA
GVA = GAS VALVE
HYD = HYDRANT
IL = INVERT LEVEL
LAN = LANDING
LID = MISCELLANEOUS PIT LID
LIN = LINTEL
LP = LIGHT POLE
NS = NATURAL SURFACE
PAR = PARAPET
POST = POST
RF = TOP OF ROOF
RMP = RAMP
RR = ROOF RIDGE
SIP = SEWER INSPECTION PIT
SMH = SEWER MAN HOLE
SSL = SEWER SLA
STR = STAIRS
SVA = STOP VALVE
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USL = UNKNOWN SERVICE SLA
UTO = UNABLE TO OPEN
VC = VEHICLE CROSSING
WM = WATER METER
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TREE
SPREAD-DIA-HEIGHT

HORIZONTAL DATUM:
CO-ORDINATE SYSTEM: MGA GROUND
MARKS ADOPTED: SSM36739, SSM165617

VERTICAL DATUM:
DATUM: AUSTRALIAN HEIGHT DATUM (AHD)
B.M. ADOPTED: SSM 36739
R.L. 106.823 (ORDER L2)
SOURCE: S.C.I.M.S. (17/01/18)

5	UPDATE UNDERGROUND SERVICES	17/10/19
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2	EXTRA DETAIL ADDED	24/01/19
1	FIRST ISSUE	27/02/18

CLIENT:
SCHOOLS INFASTRUCTURE NSW
LEVEL 8, 259 GEORGE STREET
SYDNEY NSW 2000

SURVEY PLAN
SHOWING DETAIL & LEVELS OVER
CHATSWOOD HIGH SCHOOL
LOT 1 IN DP725204
24 CENTENNIAL AVENUE,
CHATSWOOD NSW 2067

C.M.S. Surveyors Pty Limited
ACN: 096 240 201
PO Box 463 Dee Why NSW 2099
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E-mail: info@cmssurveyors.com.au

LGA: WILLOUGHBY
SHEET 7 OF 37

SURVEYED	DRAWN	CHECKED	APPROVED
PB,BB,TC,ME	CJR	PB,BB,TC,ME	SE & DR

SURVEY INSTRUCTION	SCALE	DATE OF SURVEY
11915B	1:100 @ A1	12-25/01/18, 14-16/01/19

DRAWING NAME
11915Bdetail

CAD FILE
11915Bdetail 5.dwg

ISSUE
5

LEGEND

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LGA: WILLOUGHBY
SHEET 8 OF 37

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11915B	1:100 @ A1	12-25/01/18, 14-16/01/19

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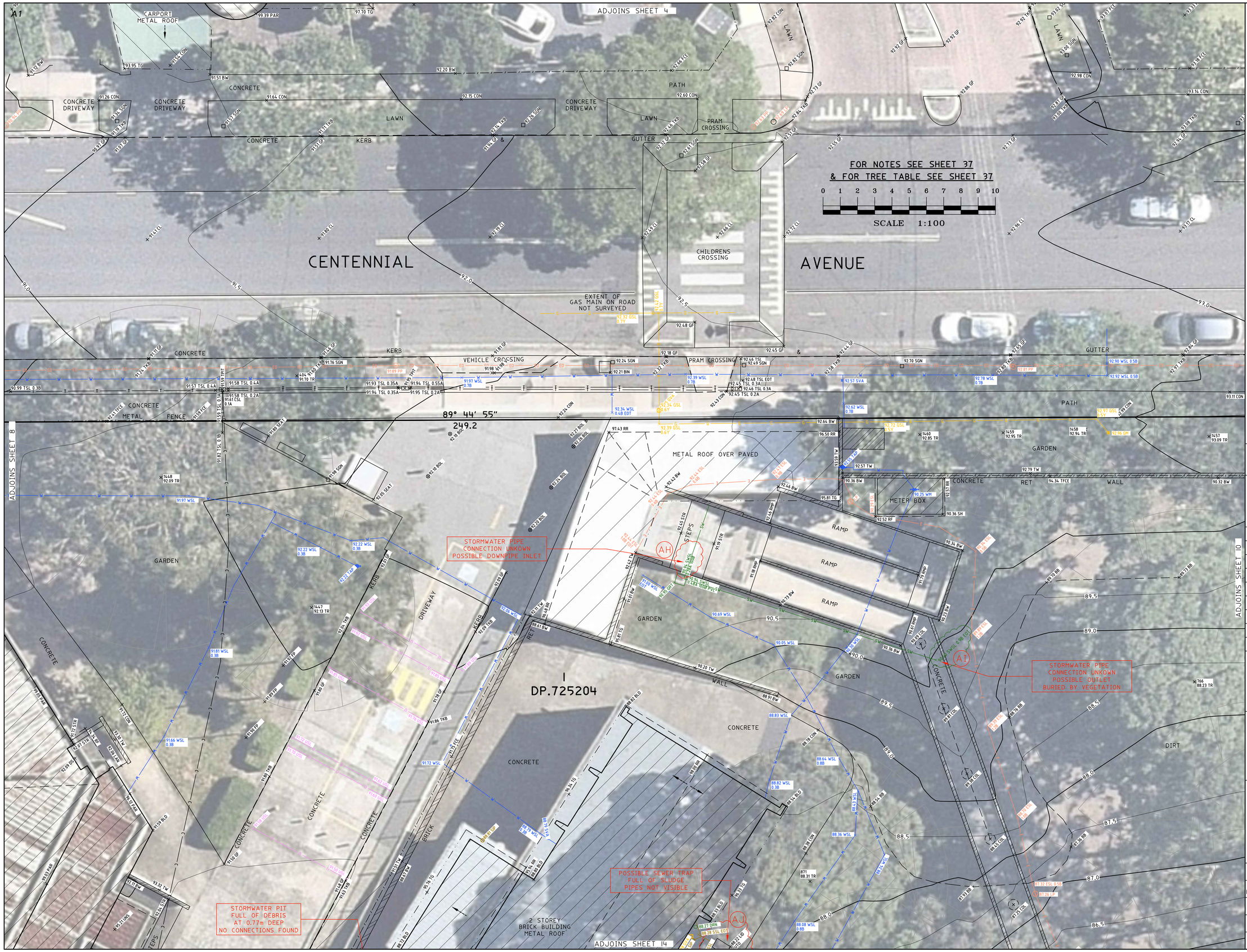

FOR NOTES SEE SHEET 37
& FOR TREE TABLE SEE SHEET 37

0 1 2 3 4 5 6 7 8 9 10
SCALE 1:100

MGA NORTH

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LGA: WILLOUGHBY
SHEET 9 OF 37

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MGA NORTH

TREE
SPREAD-DIA-HEIGHT

HORIZONTAL DATUM:

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LGA: WILLOUGHBY

SHEET 10 OF 37

SURVEYED	DRAWN	CHECKED	APPROVED
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DRAWING NAME: **11915Bdetail**
CAD FILE: 11915Bdetail 5.dwg
ISSUE: **5**

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TREE
SPREAD-DIA-HEIGHT

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LGA: WILLOUGHBY | SHEET 11 OF 37

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11915B	1:100 @ A1	12-25/01/18, 14-16/01/19

DRAWING NAME: **11915Bdetail**
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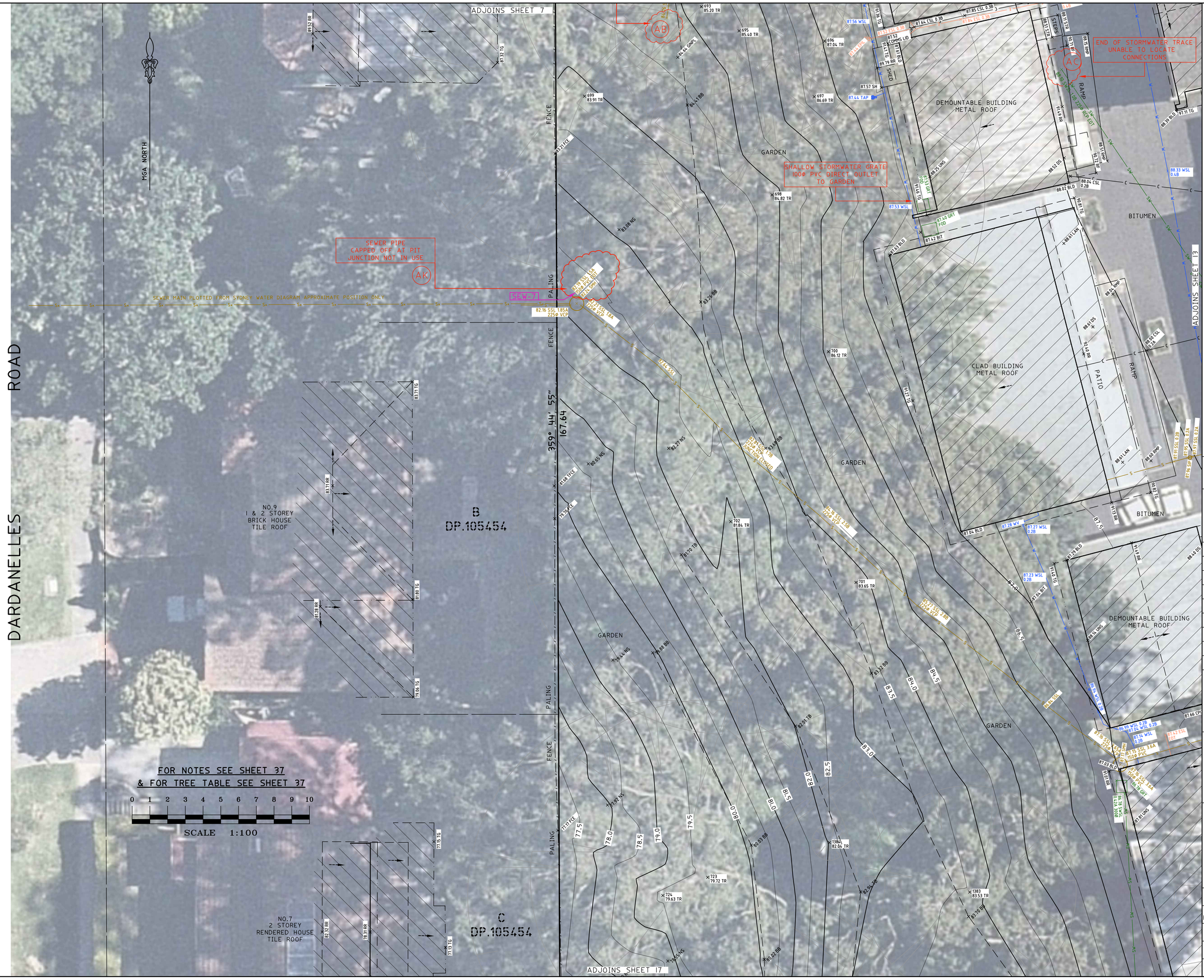

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LGA: WILLOUGHBY
SHEET 12 OF 37

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R.L. 106.823 (ORDER L2)
SOURCE: S.C.I.M.S. (17/01/18)

5	UPDATE UNDERGROUND SERVICES	17/10/19
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2	EXTRA DETAIL ADDED	24/01/19
1	FIRST ISSUE	27/02/18

CLIENT:
SCHOOLS INFASTRUCTURE NSW
LEVEL 8, 259 GEORGE STREET
SYDNEY NSW 2000

SURVEY PLAN
SHOWING DETAIL & LEVELS OVER
CHATSWOOD HIGH SCHOOL
LOT 1 IN DP725204
24 CENTENNIAL AVENUE,
CHATSWOOD NSW 2067

C.M.S. Surveyors Pty Limited
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2/99A South Creek Road, Dee Why NSW 2099
Telephone: (02) 9971 4802
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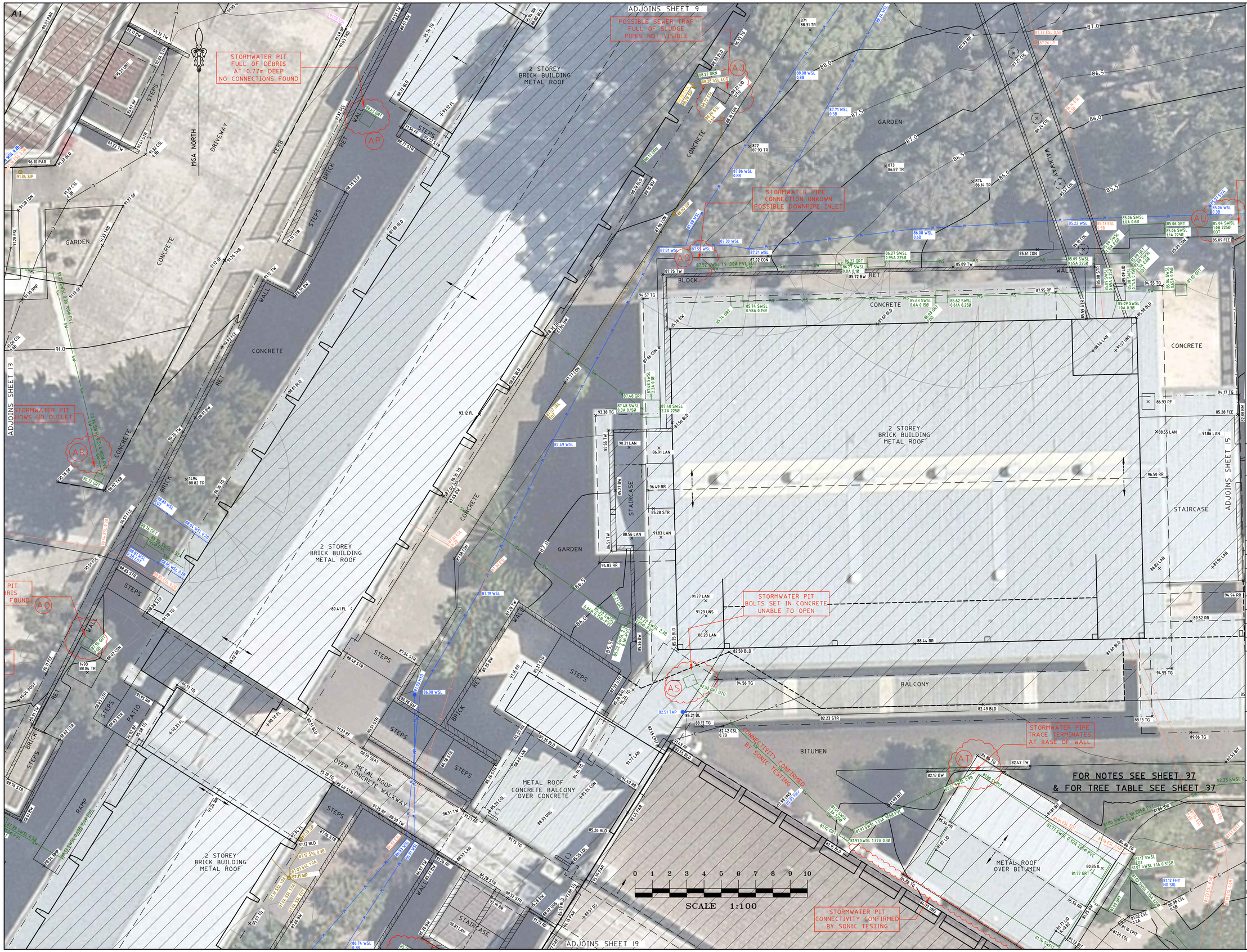
E-mail: info@cmssurveyors.com.au

LGA: WILLOUGHBY
SHEET 13 OF 37

SURVEYED	DRAWN	CHECKED	APPROVED
PB,BB,TC,ME	CJR	PB,BB,TC,ME	SE & DR

SURVEY INSTRUCTION	SCALE	DATE OF SURVEY
11915B	1:100 @ A1	12-25/01/18, 14-16/01/19

DRAWING NAME: 11915Bdetail
CAD FILE: 11915Bdetail 5.dwg
ISSUE: 5



LEGEND

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BAL = BALCONY
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TREE
SPREAD-DIA-HEIGHT

HORIZONTAL DATUM:

CO-ORDINATE SYSTEM: MGA GROUND
MARKS ADOPTED: SSM36739, SSM165617

VERTICAL DATUM:

DATUM: AUSTRALIAN HEIGHT DATUM (AHD)
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LGA: WILLOUGHBY
SHEET 14 OF 37

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MGA NORTH

TREE
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A1

ADJOINS SHEET 13

FOR NOTES SEE SHEET 37
& FOR TREE TABLE SEE SHEET 37

0 1 2 3 4 5 6 7 8 9 10
SCALE 1:100

MGA NORTH

DP.725204

E. 331030.82
N. 6258547.57
BENCH MARK
NAIL IN CONCRETE
RL 88.245

FRAGILE UNKNOWN PIT POSSIBLY STORMWATER UNSAFE TO OPEN DUE TO DILAPIDATED CONCRETE LIDS

POSSIBLE STORMWATER PIT UNABLE TO OPEN DUE TO CONCRETE SURROUNDS

STORMWATER PIPELINE POSSIBLE CONNECTION SONIC TESTING PROVIDES MINOR CONFIRMATION

PIT LIDS INSCRIBED WITH 'GAS' LIDS BEGIN TO CRACK UNABLE TO OPEN SAFELY

ELECTRICITY EXITING WALL METAL COVER OVER

GREASE TRAP UNABLE TO TRACE

ADJOINS SHEET 17

ADJOINS SHEET 19

ADJOINS SHEET 23

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AT = ASTRO TURF
BAL = BALCONY
BB = BOTTOM OF BANK
BIN = RUBISH BIN
BIT = BITUMEN
BLD = EXTERNAL BUILDING
BOL = BOLLARD
BW = BOTTOM WALL
CL = CENTRELINE
COL = COLUMN
CON = CONCRETE
CPIT = COMMUNICATIONS PIT
CSL = COMMUNICATIONS SLA
DD = DISH DRAIN
DK = DECK
DS = DOOR SILL LEVEL
EK = ELECTRICITY KIOSK
EOT - END OF TRACE
EPIT = ELECTRICITY PIT
ESL = ELECTRICITY SLA
FCE = FENCE
FHY = FIRE HYDRANT
FL = FLOOR LEVEL
FOCM = FIBRE OPTIC CABLE MARKER
FOD = FULL OF DEBRIS
FP = FLAG POLE
FSL = FIBRE OPTIC SLA
GAFL = GARAGE FLOOR LEVEL
GAR = GARAGE
GF = GUTTER LEVEL
GM = GAS METER
GRT = GRATE
GSL = GAS SLA
GVA = GAS VALVE
HYD = HYDRANT
IL = INVERT LEVEL
LAN = LANDING
LID = MISCELLANEOUS PIT LID
LIN = LINTEL
LP = LIGHT POLE
NS = NATURAL SURFACE
PAR = PARAPET
POST = POST
RF = TOP OF ROOF
RMP = RAMP
RR = ROOF RIDGE
SIP = SEWER INSPECTION PIT
SMH = SEWER MAN HOLE
SSL = SEWER SLA
STR = STAIRS
SVA = STOP VALVE
SWPIT = STORMWATER PIT
SWSL = STORMWATER SLA
TAP = TAP
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TKB = TOP OF KERB
TLE = TREE LINE
TPIT = TELSTRA PIT
TR = TREE
TSL = TELSTRA SLA
TW = TOP OF WALL
UNS = UNDERSIDE LEVEL
USL = UNKNOWN SERVICE SLA
UTO = UNABLE TO OPEN
VC = VEHICLE CROSSING
WM = WATER METER
WSL = WATER SLA
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TREE
SPREAD-DIA-HEIGHT

HORIZONTAL DATUM:
CO-ORDINATE SYSTEM: MGA GROUND
MARKS ADOPTED: SSM36739, SSM165617

VERTICAL DATUM:
DATUM: AUSTRALIAN HEIGHT DATUM (AHD)
B.M. ADOPTED: SSM 36739
R.L. 106.823 (ORDER L2)
SOURCE: S.C.I.M.S. (17/01/18)

5	UPDATE UNDERGROUND SERVICES	17/10/19
4	SERVICES LABELS UPDATED	11/03/19
3	FURTHER SERVICES INVESTIGATION	29/02/19
2	EXTRA DETAIL ADDED	24/01/19
1	FIRST ISSUE	27/02/18

CLIENT:
SCHOOLS INFASTRUCTURE NSW
LEVEL 8, 259 GEORGE STREET
SYDNEY NSW 2000

SURVEY PLAN
SHOWING DETAIL & LEVELS OVER
CHATSWOOD HIGH SCHOOL
LOT 1 IN DP725204
24 CENTENNIAL AVENUE,
CHATSWOOD NSW 2067

C.M.S. Surveyors Pty Limited
ACN: 096 240 201
PO Box 463 Dee Why NSW 2099
2/99A South Creek Road, Dee Why NSW 2099
Telephone: (02) 9971 4802
Facsimile: (02) 9971 4822
E-mail: info@cmssurveyors.com.au

LGA: WILLOUGHBY
SHEET 20 OF 37

SURVEYED	DRAWN	CHECKED	APPROVED
PB,BB,TC,ME	CJR	PB,BB,TC,ME	SE & DR

SURVEY INSTRUCTION	SCALE	DATE OF SURVEY
11915B	1:100 @ A1	12-25/01/18, 14-16/01/19

DRAWING NAME
11915Bdetail
CAD FILE
11915Bdetail 5.dwg
ISSUE
5

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LGA: WILLOUGHBY | SHEET 21 OF 37

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PB,BB,TC,ME	CJR	PB,BB,TC,ME	SE & DR

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DRAWING NAME: **11915Bdetail**
CAD FILE: 11915Bdetail 5.dwg
ISSUE: 5

A1

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LGA: WILLOUGHBY
SHEET 22 OF 37

SURVEYED	DRAWN	CHECKED	APPROVED
PB,BB,TC,ME	CJR	PB,BB,TC,ME	SE & DR

SURVEY INSTRUCTION	SCALE	DATE OF SURVEY
11915B	1:100 @ A1	12-25/01/18, 14-16/01/19

DRAWING NAME: **11915Bdetail**
CAD FILE: 11915Bdetail 5.dwg
ISSUE: **5**

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TREE
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HORIZONTAL DATUM:
CO-ORDINATE SYSTEM: MGA GROUND
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CHATSWOOD HIGH SCHOOL
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LGA: WILLOUGHBY | SHEET 23 OF 37

SURVEYED	DRAWN	CHECKED	APPROVED
PB,BB,TC,ME	CJR	PB,BB,TC,ME	SE & DR

SURVEY INSTRUCTION	SCALE	DATE OF SURVEY
11915B	1:100 @ A1	12-25/01/18, 14-16/01/19

DRAWING NAME: **11915Bdetail**
CAD FILE: 11915Bdetail 5.dwg
ISSUE: **5**

FOR NOTES SEE SHEET 37
& FOR TREE TABLE SEE SHEET 37

0 1 2 3 4 5 6 7 8 9 10
SCALE 1:100

LEGEND

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TREE
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LGA: WILLOUGHBY
SHEET 24 OF 37

SURVEYED	DRAWN	CHECKED	APPROVED
PB,BB,TC,ME	CJR	PB,BB,TC,ME	SE & DR

SURVEY INSTRUCTION	SCALE	DATE OF SURVEY
11915B	1:100 @ A1	12-25/01/18, 14-16/01/19

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LGA: WILLOUGHBY
SHEET 25 OF 37

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4	SERVICES LABELS UPDATED	11/03/19
3	FURTHER SERVICES INVESTIGATION	29/02/19
2	EXTRA DETAIL ADDED	24/01/19
1	FIRST ISSUE	27/02/18

CLIENT:

SCHOOLS INFASTRUCTURE NSW
LEVEL 8, 259 GEORGE STREET
SYDNEY NSW 2000

SURVEY PLAN
SHOWING DETAIL & LEVELS OVER
CHATSWOOD HIGH SCHOOL
LOT 1 IN DP725204
24 CENTENNIAL AVENUE,
CHATSWOOD NSW 2067

C.M.S. Surveyors Pty Limited
ACN: 096 240 201
PO Box 463 Dee Why NSW 2099
2/99A South Creek Road, Dee Why NSW 2099
Telephone: (02) 9971 4802
Facsimile: (02) 9971 4822
E-mail: info@cmssurveyors.com.au

LGA: WILLOUGHBY | SHEET 26 OF 37

SURVEYED	DRAWN	CHECKED	APPROVED
PB,BB,TC,ME	CJR	PB,BB,TC,ME	SE & DR

SURVEY INSTRUCTION	SCALE	DATE OF SURVEY
11915B	1:100 @ A1	12-25/01/18, 14-16/01/19

DRAWING NAME: **11915Bdetail**
CAD FILE: 11915Bdetail 5.dwg
ISSUE: 5

A1

MGA NORTH

FOR NOTES SEE SHEET 37
& FOR TREE TABLE SEE SHEET 37

0 1 2 3 4 5 6 7 8 9 10

SCALE 1:100

LEGEND

SLA = SURFACE LEVEL ABOVE
AT = ASTRO TURF
BAL = BALCONY
BB = BOTTOM OF BANK
BIN = RUBISH BIN
BIT = BITUMEN
BLD = EXTERNAL BUILDING
BOL = BOLLARD
BW = BOTTOM WALL
CL = CENTRELINE
COL = COLUMN
CON = CONCRETE
CPIT = COMMUNICATIONS PIT
CSL = COMMUNICATIONS SLA
DD = DISH DRAIN
DK = DECK
DS = DOOR SILL LEVEL
EK = ELECTRICITY KIOSK
EOT - END OF TRACE
EPIT = ELECTRICITY PIT
ESL = ELECTRICITY SLA
FCE = FENCE
FHY = FIRE HYDRANT
FL = FLOOR LEVEL
FOCM = FIBRE OPTIC CABLE MARKER
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FP = FLAG POLE
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HYD = HYDRANT
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LAN = LANDING
LID = MISCELLANEOUS PIT LID
LIN = LINTEL
LP = LIGHT POLE
NS = NATURAL SURFACE
PAR = PARAPET
POST = POST
RF = TOP OF ROOF
RMP = RAMP
RR = ROOF RIDGE
SIP = SEWER INSPECTION PIT
SMH = SEWER MAN HOLE
SSL = SEWER SLA
STR = STAIRS
SVA = STOP VALVE
SWPIT = STORMWATER PIT
SWSL = STORMWATER SLA
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TREE
SPREAD-DIA-HEIGHT

HORIZONTAL DATUM:
CO-ORDINATE SYSTEM: MGA GROUND
MARKS ADOPTED: SSM36739, SSM165617

VERTICAL DATUM:
DATUM: AUSTRALIAN HEIGHT DATUM (AHD)
B.M. ADOPTED: SSM 36739
R.L. 106.823 (ORDER L2)
SOURCE: S.C.I.M.S. (17/01/18)

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LGA: WILLOUGHBY | SHEET 27 OF 37

SURVEYED	DRAWN	CHECKED	APPROVED
PB,BB,TC,ME	CJR	PB,BB,TC,ME	SE & DR

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11915B	1:100 @ A1	12-25/01/18, 14-16/01/19

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CAD FILE: 11915Bdetail 5.dwg
ISSUE: **5**

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TREE
SPREAD-DIA-HEIGHT

HORIZONTAL DATUM:
CO-ORDINATE SYSTEM: MGA GROUND
MARKS ADOPTED: SSM36739, SSM165617

VERTICAL DATUM:
DATUM: AUSTRALIAN HEIGHT DATUM (AHD)
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LGA: WILLOUGHBY
SHEET 28 OF 37

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SURVEY INSTRUCTION	SCALE	DATE OF SURVEY
11915B	1:100 @ A1	12-25/01/18, 14-16/01/19

DRAWING NAME
11915Bdetail
ISSUE
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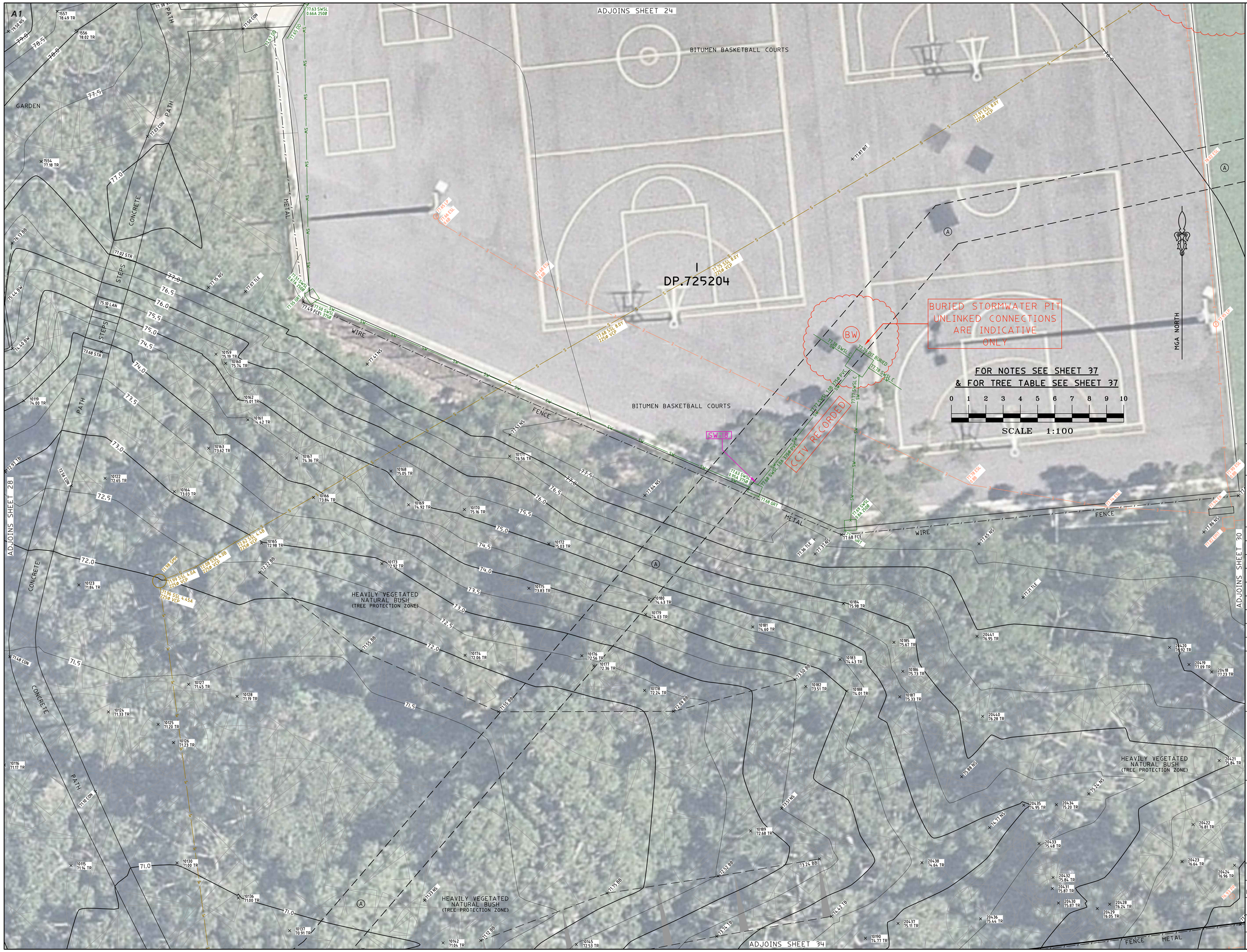
CAD FILE
11915Bdetail 5.dwg



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TREE
SPREAD-DIA-HEIGHT

HORIZONTAL DATUM:
CO-ORDINATE SYSTEM: MGA GROUND
MARKS ADOPTED: SSM36739, SSM165617

VERTICAL DATUM:
DATUM: AUSTRALIAN HEIGHT DATUM (AHD)
B.M. ADOPTED: SSM 36739
R.L. 106.823 (ORDER L2)
SOURCE: S.C.I.M.S. (17/01/18)

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LGA: WILLOUGHBY
SHEET 29 OF 37

SURVEYED	DRAWN	CHECKED	APPROVED
PB,BB,TC,ME	CJR	PB,BB,TC,ME	SE & DR

SURVEY INSTRUCTION	SCALE	DATE OF SURVEY
11915B	1:100 @ A1	12-25/01/18, 14-16/01/19

DRAWING NAME
11915Bdetail
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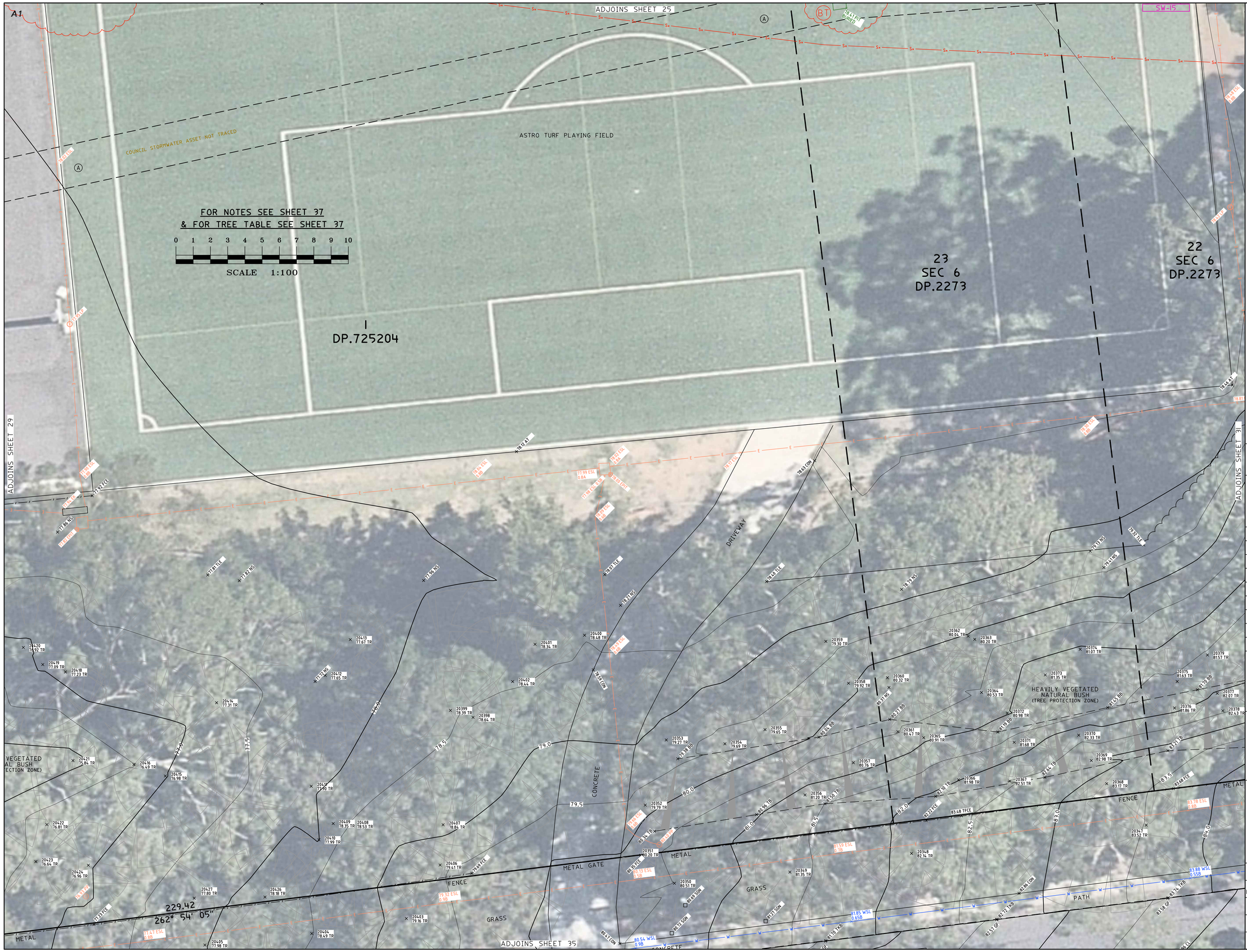

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MGA NORTH

TREE
SPREAD-DIA-HEIGHT

HORIZONTAL DATUM:
CO-ORDINATE SYSTEM: MGA GROUND
MARKS ADOPTED: SSM36739, SSM165617

VERTICAL DATUM:
DATUM: AUSTRALIAN HEIGHT DATUM (AHD)
B.M. ADOPTED: SSM 36739
R.L. 106.823 (ORDER L2)
SOURCE: S.C.I.M.S. (17/01/18)

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LGA: WILLOUGHBY | SHEET 30 OF 37

SURVEYED	DRAWN	CHECKED	APPROVED
PB,BB,TC,ME	CJR	PB,BB,TC,ME	SE & DR

SURVEY INSTRUCTION	SCALE	DATE OF SURVEY
11915B	1:100 @ A1	12-25/01/18, 14-16/01/19

DRAWING NAME: **11915Bdetail**
CAD FILE: 11915Bdetail 5.dwg
ISSUE: **5**

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LGA: WILLOUGHBY
SHEET 31 OF 37

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PB,BB,TC,ME	CJR	PB,BB,TC,ME	SE & DR

SURVEY INSTRUCTION	SCALE	DATE OF SURVEY
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DRAWING NAME
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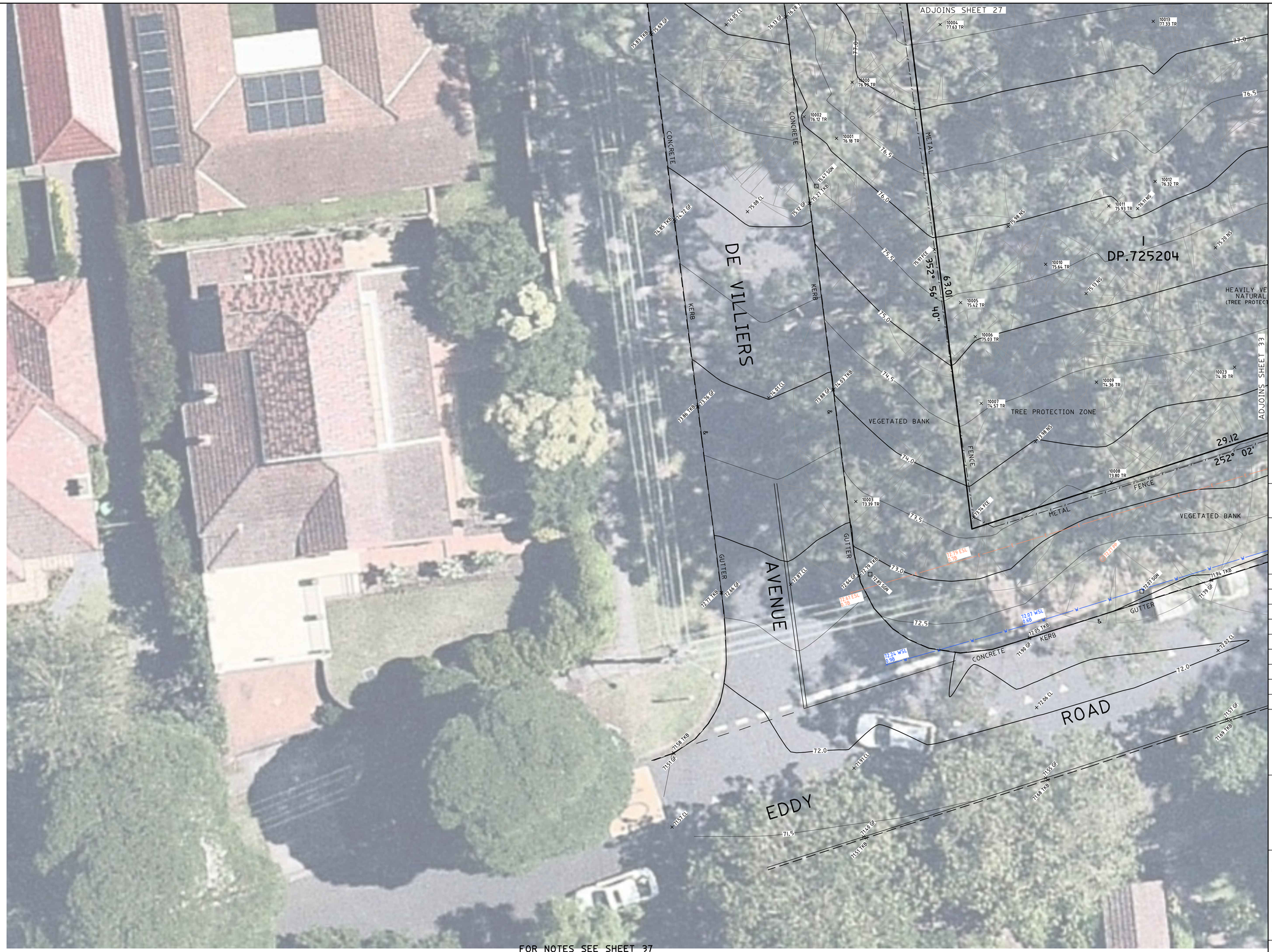
MGA NORTH



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LGA: WILLOUGHBY | SHEET 32 OF 37

SURVEYED	DRAWN	CHECKED	APPROVED
PB,BB,TC,ME	CJR	PB,BB,TC,ME	SE & DR

SURVEY INSTRUCTION	SCALE	DATE OF SURVEY
11915B	1:100 @ A1	12-25/01/18, 14-16/01/19

DRAWING NAME: **11915Bdetail**
CAD FILE: 11915Bdetail 5.dwg
ISSUE: **5**