

**LEGEND: (SEE NOTES 1)**

C	COMMUNICATIONS LINES (UNDERGROUND)
E	ELECTRICITY LINE (UNDERGROUND)
G	GAS LINE (UNDERGROUND)
PH	FIRE HYDRANT LINE (UNDERGROUND)
PH	FIRE HYDRANT PLOT (EQUALITY D)
S	SEWER LINE (UNDERGROUND)
S	SEWER PLOT (QUALITY D)
SW	STORMWATER LINE (UNDERGROUND)
SW	STORMWATER PLOT (QUALITY D)
T	TELEPHONE LINE (UNDERGROUND)
U	UNKNOWN SERVICE (UNDERGROUND)
W	WATER LINE (UNDERGROUND)

**NOTES 1**

- THE PURPOSE OF THIS PLAN IS FOR DESIGN ONLY. CURRENT PLANS ISSUED BY SERVICE PROVIDERS THROUGH DIAL BEFORE YOU DIG ARE STILL REQUIRED. CONTRACTORS AND SUBCONTRACTORS WILL NEED TO EXERCISE THEIR OWN 'DUTY OF CARE' AND SHOULD MAKE THEIR OWN DIAL BEFORE YOU DIG ENQUIRY BEFORE EXCAVATION CONSTRUCTION. YOU MUST ENQUIRE DIAL BEFORE YOU DIG ARE CURRENT AS THEY HAVE VARYING EXPIRATION DATES, AND MAY REQUIRE RE-ISSUE OTHERWISE THE INFORMATION ON THIS PLAN MAY NO LONGER BE CURRENT.
- WARNING: UNKNOWN SERVICES MAY EXIST THAT COULD NOT BE ELECTRONICALLY DETECTED. THE DIAGRAMS OF THE SERVICE PROVIDERS MAY NOT DEPICT ALL ASSETS WITHIN THEIR NETWORK AND SERVICE PROVIDERS MAY SHARE COORDINATES AND JOB TRACKS AT THIS LOCATION.
- WARNING: SINGLE MARKED LINES MAY REPRESENT MULTIPLE CONDUITS, PIPES AND/OR CABLES AT THIS LOCATION. THE RECORDING OF DEPTHS AND POSITION OF UTILITIES CANNOT BE GUARANTEED AS CORRECT. WE RECOMMEND NON-DESTRUCTIVE DIGGING/POTHOLING TO EXPOSE SERVICES FOR ACCURATE IDENTIFICATION AND DEPTH.
- CAUTION: SURVEYORS HAVE SURVEYED AND MARKED OUT EXISTING SERVICES IN THE AREA SPECIFIED BY THE CLIENT. THESE SERVICES HAVE BEEN LOCATED BY ABOVE GROUND SERVICE TRACING METHODS AND HAVE NOT BEEN SIGHTED. CHS SURVEYORS HAVE THEN LOCATED THE LINE MARKED BY SURVEYORS. THE LOCATION OF THESE MARKED SERVICES ARE APPROXIMATE ONLY. THE POSITION OF THE MARKED SERVICES LINES HAS BEEN MADE WITH REFERENCE TO THE RELEVANT SERVICE AUTHORITY DIAGRAMS. ALL SERVICES MAY NOT HAVE BEEN SHOWN AND UTILITY OBSERVATIONS HAVE BEEN TAKEN FROM UTILITY PROVIDED DIAGRAMS WHERE AVAILABLE. WE RECOMMEND NON-DESTRUCTIVE DIGGING/POTHOLING TO EXPOSE MARKED SERVICES TO VERIFY AND SHOW EXACT DEPTH AND LOCATION OF SERVICE LINES PRIOR TO EXCAVATION. (CONTRACTORS SHOULD BE ADVISED THAT THE INFORMATION IN THE SPECIFIED AREA MAY GO TO FEATURES THAT HAVE NOT BEEN SHOWN ON THE BACKGROUND DETAIL SURVEY PROVIDED BY CLIENT. THE RISK REMAINS WITH THE CLIENT AND/OR SUB CONTRACTOR AND THEIR RESPONSIBILITY TO EXERCISE CAUTION AT ALL TIMES.

CODE	DEPTH	DIAMETER (mm)
106.78	S.S.L.	1.3
B	1000	ED1
RL	LOCATION	QUALITY
		NOTE

**SUBSURFACE UTILITY INFORMATION**

DL-D IS THE LOWEST OF THE FOUR QUALITY LEVELS STIPULATED IN ASS488. IT IS AN INDICATIVE POSITION COMPILED FROM EXISTING RECORDS, CURSORY SITE INSPECTION, ANECDOTAL EVIDENCE OR C.

DL-C IS THE NEXT LEVEL UP FROM DL-D. ASS488 STATES THAT DL-C IS A SURFACE FEATURE CORRELATION OR AN INTERPRETATION OF THE APPROXIMATE LOCATIONS AND ATTRIBUTES OF A SURFACE FEATURE USING A COMBINATION OF EXISTING RECORDS (ANECDOTAL EVIDENCE) SONIC ROOM TECHNIQUES AND A SITE SURVEY OF VISIBLE EVIDENCE.

DL-B IS ELECTRONICALLY TRACED AS PER ASS488 (DIRECT CONNECTION, INDUCTION, FLEXITRACE/SOONIE, FLEXIROD/SOONIE) WITH AN ESTIMATED POSITIONAL TOLERANCE OF +/-300MM IN PLAN, +/-500MM IN DEPTH (HIGH CONFIDENCE LEVEL).

DL-A IS THE HIGHEST QUALITY LEVEL AS PER ASS488 AND CONSISTS OF THE POSITIVE IDENTIFICATION OF THE ATTRIBUTE AND LOCATION OF A SUBSURFACE UTILITY AT A POINT TO AN ABSOLUTE SPATIAL POSITION IN THREE DIMENSIONS. THIS CAN BE ACHIEVED AT OPENED PITS AND IN THE POTHoles WHERE THE UTILITY IS EXPOSED.

HORIZONTAL AND VERTICAL TOLERANCE +/- 50MM

TITLE INDICATES THAT LOT 2 IN D.P.1018621 IS SUBJECT TO:

- (1) RESERVATIONS AND CONDITIONS IN THE CROWN GRANTS) WITHIN THE PART(S) SHOWN SO INDICATED IN THE TITLE DIAGRAM
- (2) LAND EXCLUDES MINERALS - SEE MEMORANDUM W/210/01
- (3) D.P.1018621 RIGHT OF CARRIAGEWAY 10 METRE(S) WIDE APPURTENANT TO THE LAND ABOVE DESCRIBED
- (4) D.P.1018621 RIGHT OF CARRIAGEWAY VARIABLE WIDTH AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
- (5) D.P.1018621 RIGHT OF CARRIAGEWAY VARIABLE WIDTH APPURTENANT TO THE LAND ABOVE DESCRIBED
- (6) D.P.1018621 EASEMENT FOR SERVICES VARIABLE WIDTH AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
- (7) D.P.1018621 EASEMENT FOR SERVICES VARIABLE WIDTH APPURTENANT TO THE LAND ABOVE DESCRIBED
- (8) D.P.1018621 EASEMENT FOR ELECTRICITY PURPOSES 7 METRE(S) WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
- (9) D.P.1018621 EASEMENT FOR SERVICES 3/4 METRE(S) WIDE APPURTENANT TO THE LAND ABOVE DESCRIBED
- (10) D.P.1018621 RESTRICTIONS) ON THE USE OF LAND

TITLE INDICATES THAT LOT 3 IN D.P.1018621 IS SUBJECT TO:

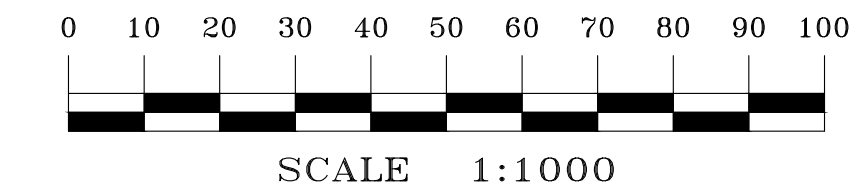
- (1) RESERVATIONS AND CONDITIONS IN THE CROWN GRANTS)

TITLE INDICATES THAT LOT 12 IN D.P.119562 IS SUBJECT TO:

- (1) RESERVATIONS AND CONDITIONS IN THE CROWN GRANTS) WITHIN THE PART(S) SHOWN SO INDICATED IN THE TITLE DIAGRAM
- (2) LAND EXCLUDES MINERALS - SEE MEMORANDUM W/210/01
- (3) D.P.119562 RIGHT OF CARRIAGEWAY VARIABLE WIDTH AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
- (4) D.P.119562 EASEMENT FOR SERVICES VARIABLE WIDTH AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
- (5) D.P.119562 EASEMENT FOR SERVICES VARIABLE WIDTH APPURTENANT TO THE LAND ABOVE DESCRIBED
- (6) D.P.119562 EASEMENT FOR ELECTRICITY PURPOSES 7 METRE(S) WIDE AFFECTING THE PART(S) SHOWN SO BURDENED IN THE TITLE DIAGRAM
- (7) D.P.119562 EASEMENT FOR SERVICES 3/4 METRE(S) WIDE APPURTENANT TO THE LAND ABOVE DESCRIBED
- (8) D.P.119562 RESTRICTIONS) ON THE USE OF LAND

**NOTE:**  
-DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
-UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 16/10/2019

**NOTE:**  
-DOWN PIPE POSITIONS ARE INDICATIVE ONLY



- NOTES**
- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN
  - MALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION
  - IF CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT
  - THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS PLAN MUST NOT BE USED FOR ANY OTHER MATTER, PURPOSE OR CONSTRUCTION SETOUT
  - TREE SIZES ARE ESTIMATES ONLY
  - THIS PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW
  - RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGRAMMATIC ONLY WHERE EFFECTS ARE CRITICAL, THEY SHOULD BE CONFIRMED BY FURTHER SURVEY
  - EXCEPT WHERE SHOWN BY DIMENSION LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATIVE ONLY
  - ONLY VISIBLE SERVICES HAVE BEEN LOCATED. UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. DIAL BEFORE YOU DIG SERVICES (DIAL) SHOULD BE USED AND A FULL DEPTH INVESTIGATION INCLUDING A UTILITY LOCATION SURVEY SHOULD BE UNDERTAKEN BEFORE CARRYING OUT ANY CONSTRUCTION ACTIVITY IN OR NEAR THE SURVEYED AREA
  - SEWER MAIN PLOTTED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION SHOULD BE MARKED ON SITE AS CRITICAL
  - CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR
  - CONTOURS SHOWN DEPICT THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION
  - CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED
  - POSITION OF RIDGE LINES ARE DIAGRAMMATIC ONLY (NOT TO SCALE)
  - THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:100
  - DO NOT SCALE OFF THIS PLAN. FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS
  - COPYRIGHT © CHS SURVEYORS 2022
  - NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER EXCEPT AS PERMITTED BY THE COPYRIGHT ACT 1969
  - ANY PERMITTED DOWNLOADING, ELECTRONIC STORAGE, DISPLAY, PRINT, COPY OR REPRODUCTION OF THIS SURVEY SHOULD CONTAIN NO ALTERATION OR ADDITION TO THE ORIGINAL SURVEY
  - THIS NOTICE MUST NOT BE ERASED

**LEGEND:**

AW	AWNING
BAL	BALCONY
BB	BOTTOM OF BANK
BBQ	BARBECUE
BT	BUSH
BLD	EXTERNAL BUILDING
BOX	BACK OF KERB
BOL	BOLLARD
BR	BOTTOM OF RAMP
CHI	CHIMNEY
CL	CENTRAL LINE
CON	CONCRETE
CPIT	COMMUNICATIONS PIT
CSL	COMMUNICATIONS SURFACE LEVEL
CUB	CUBBY HOUSE
DD	DISH DRAIN
DM	DAH
DMP	DOWN PIPE
DS	DOOR SILL LEVEL
EK	ELECTRICITY KIOSK
EPIL	ELECTRICITY PILLAR
EPIT	ELECTRICITY PIT
ESL	ELECTRICITY SURFACE LEVEL
FCE	FENCE
FHY	FIRE HYDRANT
FPI	FIRE PUMP
GCP	GAS CATHODIC PROTECTION
GON	GAS PIT
GP	GUTTER LEVEL
GPIT	GAS PIT
GRT	GRATE
GSL	GAS SURFACE LEVEL
GVA	GAS VALVE
HID	HYDRANT
IL	INVERT LEVEL
IP	INVERT LEVEL PIT
LAN	LANDING
LID	MISCELLANEOUS PIT LID
LIN	LEVEL
LIP	KERB LIP
LP	LINE MARKING
LP	LIGHT POLE
NS	NATURAL SURFACE
PAV	PAVING
POB	POST BOX
PIT	TOP OF PIT
PSM	PERMANENT SURVEY MARK
PTH	PATH
RA	RAILING
RF	TOP OF ROOF
RHP	RAMP
RR	ROOF RIDGE
SON	SION
SIP	SEWER INSPECTION PIT
SMP	SEWER MAIN HOLE
SLL	SEWER SURFACE LEVEL
STR	STAIRS
SUB	ELECTRICITY SUBSTATION
SVA	STOP VALVE
SVE	SEWER VENT
SWSL	STORMWATER SURFACE LEVEL
TAP	TAP
TB	TOP OF BANK
TF	TOP OF FENCE
TF	TOP OF GUTTER
TILE	TILE
TLE	TREE LINE
TR	TOP OF PIT
TR	TREE
TR	TELEPHONE SURFACE LEVEL
TW	TOP OF WALL
UL	UNDERLINE OF EASE
USL	UNKNOWN SERVICE SURFACE LEVEL
VEH	VEHICLE CROSSING
VER	VERANDAH
WE	WATER EASEMENT
WH	WATER METER
WHP	WATER PIT DROP
WSL	WATER SURFACE LEVEL
WV	WATER VALVE
TR	TREE
TR	SPREAD-DIAMETER-HEIGHT-TAGNO.

EDT = END OF TRACE  
FOD = FULL OF DEBRIS  
UTO = UNABLE TO OPEN  
UTT = UNABLE TO TRACE  
UTL = UNABLE TO LOCATE

"FOR EXTRA NOTES SEE SHEET 1"

**HORIZONTAL DATUM:**  
CU-ORDINATE SYSTEM: MGA  
MARKS: ADOPTED: SSM 405H & DP1018621

**VERTICAL DATUM:**  
DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
B.M. ADOPTED: SSM 405H  
R.L. 2.50M (ORDER 13)  
SOURCE: S.C.I.M.S. (18/09/19)

NO.	DESCRIPTION	DATE
4	DETAIL UPDATED & BOUNDARY IDENT. UNDERGROUND SERVICES NOT UPDATED	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	16/10/19

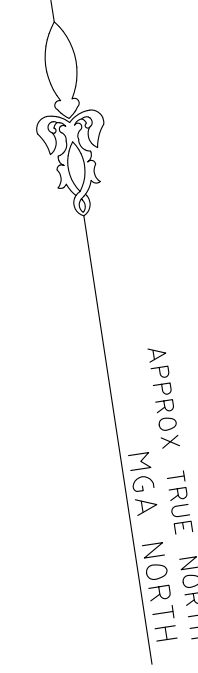
**CLIENT:**  
SCHOOLS INFRASTRUCTURE NSW  
C/- JOHN STAFF, LEVEL 5,  
9 CASTLELEAGH STREET,  
SYDNEY NSW 2000

**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.119562 NARRABEN EDUCATION PRECINCT, NARRABEN NSW 2101**

**C.M.S. Surveyors Pty Limited**  
ACN: 096 240 201  
PO Box 463 Dwe Why NSW 2099  
2/298 South Creek Road, Dwe Why NSW 2099  
Telephone: (02) 9971 4802  
Facsimile: (02) 9971 4802  
E-mail: info@cmsurveyors.com.au

LGA: NORTHERN BEACHES	SHEET 1	OF 35
SURVEYED ME/BS/HC	DRAWN GP/HC	CHECKED ME/BS/HC
APPROVED DR		
SURVEY INSTRUCTION 18830A	SCALE 1:1000 @ AD	DATE OF SURVEY 14/10/19
DRAWING NAME 18830detail	ISSUE 4	
CAD FILE 18830detail_N.dwg		





# JACKSONS ROAD

4  
D.P.1018621

BITUMEN CARPARK

BITUMEN CARPARK

OUTSIDE SCOPE AREA

GRASS SPORTS FIELDS



SEE SHEET 06

- NOTES**
- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN.
  - WALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION.
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  - CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR.
  - CONTOURS SHOWN DEPICT THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION.
  - CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED.
  - POSITION OF RIDGE LINES ARE DIAGRAMMATIC ONLY (NOT TO SCALE).
  - THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:100.
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  - COPYRIGHT © CHS SURVEYORS 2022.
  - NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM, WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER EXCEPT AS PERMITTED BY THE COPYRIGHT ACT 1964.
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  - THIS NOTICE MUST NOT BE ERASED.

**CHS**  
STEPHEN CHERRY  
REGISTERED SURVEYOR BOSS NUMBER 1405

- LEGEND:**
- AW = AWNING
  - BAL = BALCONY
  - BB = BOTTOM OF BANK
  - BBQ = BARBECUE
  - BT = BUTTRESS
  - BLD = EXTERNAL BUILDING
  - BOK = BACK OF KERB
  - BOL = BOLLARD
  - BR = BOTTOM RAIL
  - CHI = CHIMNEY
  - CL = CENTRELINE
  - CON = CONCRETE
  - CPTI = COMMUNICATIONS PIT
  - CSL = COMMUNICATIONS SURFACE LEVEL
  - CUB = CUBBY HOUSE
  - DD = DISH DRAIN
  - DM = DAM
  - DMP = DOWN PIPE
  - DS = DOOR SILL LEVEL
  - EK = ELECTRICITY KIOSK
  - EPIL = ELECTRICITY PILLAR
  - EPIT = ELECTRICITY PIT
  - ESL = ELECTRICITY SURFACE LEVEL
  - FCE = FENCE
  - FHY = FIRE HYDRANT
  - FL = FLOOR LEVEL
  - GCP = GAS CATHODIC PROTECTION
  - GP = GUTTER LEVEL
  - GPT = GAS PIT
  - GRT = GRATE
  - GSL = GAS SURFACE LEVEL
  - GVA = GAS VALVE
  - HYD = HYDRANT
  - IL = INVERT LEVEL
  - IP = INVERT LEVEL PIT
  - LAN = LANDING
  - LID = MISCELLANEOUS PIT LID
  - LIN = LEVEL
  - LIP = KERB LIP
  - LM = LINE MARKING
  - LP = LIGHT POLE
  - NS = NATURAL SURFACE
  - PAV = PAVING
  - PIPE = PIPE JOINT
  - PIT = TOP OF PIT
  - PM = PERMANENT SURVEY MARK
  - PTH = PATH
  - RA = RAILING
  - RF = TOP OF ROOF
  - RHP = RAMP
  - RR = ROOF RIDGE
  - SON = SIGN
  - SIP = SEWER INSPECTION PIT
  - SMH = SEWER MAN HOLE
  - SSE = SEWER SURFACE LEVEL
  - STR = STAIRS
  - SUB = ELECTRICITY SUBSTATION
  - SVA = STOP VALVE
  - SVE = SEWER VENT
  - SWSL = STORMWATER SURFACE LEVEL
  - TAP = TAP
  - TB = TOP OF BANK
  - TECE = TOP OF FENCE
  - TG = TOP OF GUTTER
  - TIL = TILE
  - TLE = TREE LINE
  - TRIP = TRIPSTRIP PIT
  - TR = TREE
  - TSL = TELESTRIP SURFACE LEVEL
  - TW = TOP OF WALL
  - UV = UNDERSIDE OF EAVE
  - USL = UNKNOWN SERVICE SURFACE LEVEL
  - VC = VEHICLE CROSSING
  - VER = VERANDAH
  - WH = WATER METER
  - WH = WATER METER
  - WPI = WATER PIT SPOT
  - WSL = WATER SURFACE LEVEL
  - WV = WATER VALVE
  - TR = TREE
  - SPREAD-DIAMETER-HEIGHT-TAGNO.
  - EDT = END OF TRACE
  - FOD = FULL OF DEBRIS
  - UTO = UNABLE TO OPEN
  - UTT = UNABLE TO TRACE
  - UTL = UNABLE TO LOCATE

SEE SHEET 03

"FOR EXTRA NOTES SEE SHEET 1"

**HORIZONTAL DATUM:**  
COORDINATE SYSTEM: MGA  
MARKS: ADOPTED: SSM 4054 & DP1018621

**VERTICAL DATUM:**  
DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
B.M. ADOPTED: SSM 4054  
R.L. 2.50+ (ORDER L3)  
SOURCE: S.C.I.M.S. (18/09/19)

NO.	DESCRIPTION	DATE
4	DETAIL UPDATED & BOUNDARY IDENT. UNDERGROUND SERVICES NOT UPDATED	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	18/10/19

**CLIENT:**  
SCHOOLS INFRASTRUCTURE NSW  
C/- JOHN STAFF, LEVEL 5,  
9 CASTLEREAGH STREET,  
SYDNEY NSW 2000

**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.1119562 NARRABEN EDUCATION PRECINCT, NARRABEN NSW 2101**

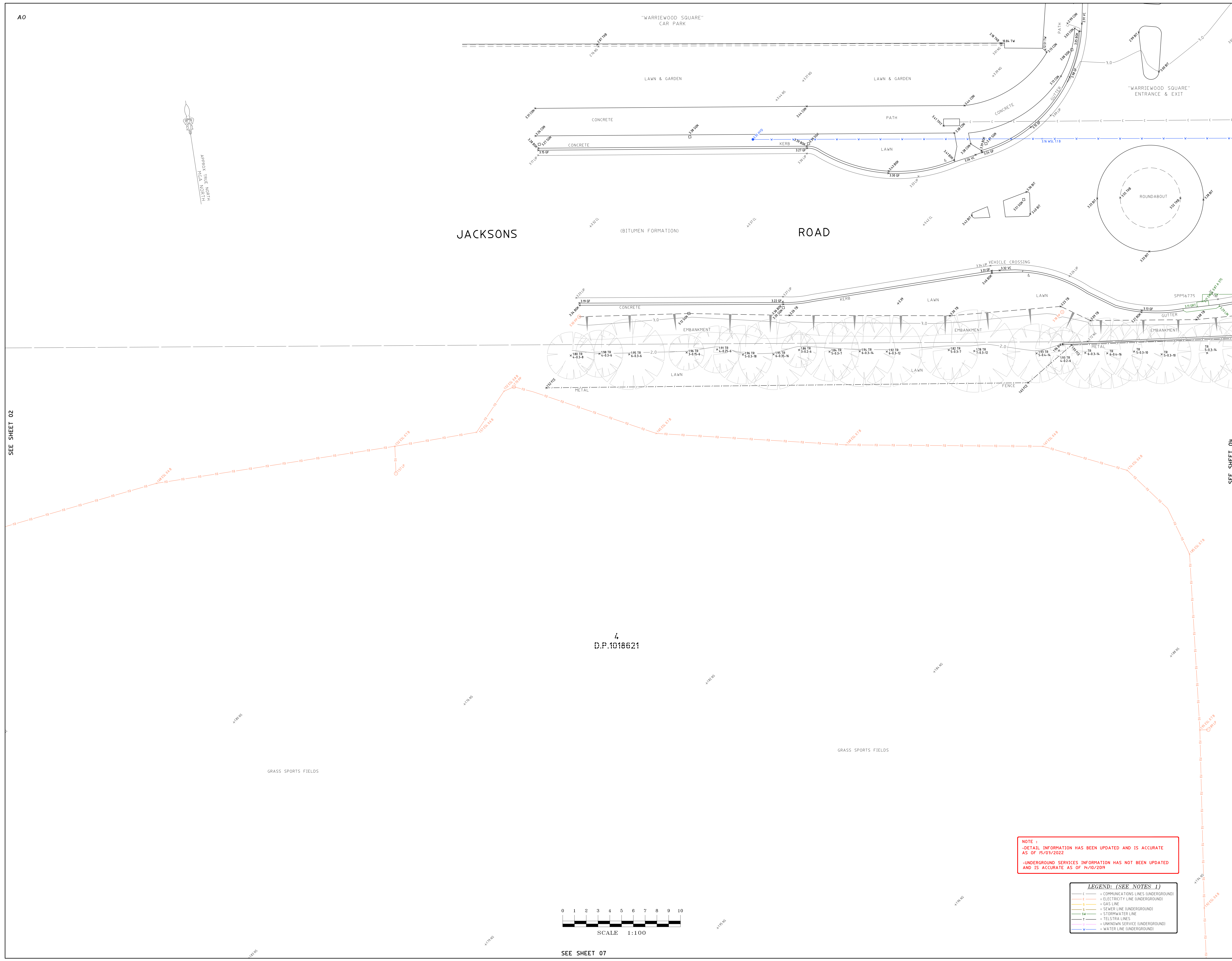
**C.M.S. Surveyors Pty Limited**  
ACN: 096 240 201  
PO Box 463 Dee Why NSW 2099  
2/298 South Creek Road, Dee Why NSW 2099  
Telephone: (02) 9971 4802  
Facsimile: (02) 9971 4822  
E-mail: info@cmsurveyors.com.au

**NOTE:**  
-DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
-UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019

- LEGEND: (SEE NOTES 1)**
- = COMMUNICATIONS LINES (UNDERGROUND)
  - = ELECTRICITY LINE (UNDERGROUND)
  - = GAS LINE
  - = SEWER LINE (UNDERGROUND)
  - = STORMWATER LINE
  - = TELESTRIP LINES
  - = UNKNOWN SERVICE (UNDERGROUND)
  - = WATER LINE (UNDERGROUND)

LG: NORTHERN BEACHES SHEET 2 OF 35	
SURVEYED	DRAWN
ME/BS/HC	GP/HC
CHECKED	APPROVED
ME/BS/HC	DR
SURVEY INSTRUCTION	SCALE
18830A	1:100 AS AD
DATE OF SURVEY	ISSUE
14/10/2019	4
DRAWING NAME	ISSUE
18830detail	4
CAD FILE	ISSUE
18830detail_n.dwg	4





- NOTES**
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  - MALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION.
  - IF CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT.
  - THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS CONSTRUCTION SETOUT.
  - TREE SIZES ARE ESTIMATES ONLY.
  - THIS PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW.
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  - THIS NOTICE MUST NOT BE ERASED.

**STEPHEN DREYER**  
REGISTERED SURVEYOR - BOSS NUMBER 1405

**LEGEND:**

- AW = AWNING
- BAL = BALCONY
- BB = BOTTOM OF BANK
- BBO = BARBECUE
- BT = BITUMEN
- BLD = EXTERNAL BUILDING
- BOK = BACK OF KERB
- BOL = BOLLARD
- BR = BOTTOM RAIL
- CH = CHIMNEY
- CON = CONCRETE
- CPTI = COMMUNICATIONS PIT
- CSL = COMMUNICATIONS SURFACE LEVEL
- CUB = CUBBY HOUSE
- DD = DISH DRAIN
- DM = DAM
- DS = DOWN PIPE
- DS = DOOR SILL LEVEL
- EK = ELECTRICITY KIOSK
- EPIL = ELECTRICITY PILLAR
- ESL = ELECTRICITY SURFACE LEVEL
- FCE = FENCE
- FHY = FIRE HYDRANT
- GP = GAS CATHODIC PROTECTION
- GF = GUTTER LEVEL
- GS = GAS PIT
- GRT = GRATE
- GSL = GAS SURFACE LEVEL
- GVA = GAS VALVE
- HID = HYDRANT
- IL = INVERT LEVEL
- IP = INVERT LEVEL PIT
- LAN = LANDING
- LID = MISCELLANEOUS PIT LID
- LIN = LEVEL
- LIP = KERB LIP
- LM = LINE MARKING
- LP = LIGHT POLE
- NS = NATURAL SURFACE
- PAV = PAVING
- POPE = PIPE OVER
- PIT = TOP OF PIT
- PM = PERMANENT SURVEY MARK
- PTH = PATH
- RA = RAILING
- RF = TOP OF ROOF
- RMP = RAMP
- RR = ROOF RIDGE
- SON = SIGN
- SIP = SEWER INSPECTION PIT
- SMH = SEWER MAN HOLE
- SSE = SEWER SURFACE LEVEL
- STR = STAIRS
- SUB = ELECTRICITY SUBSTATION
- SVA = STOP VALVE
- SVE = SEWER VENT
- SWSL = STORMWATER SURFACE LEVEL
- TAP = TAP
- TB = TOP OF BANK
- TECE = TOP OF FENCE
- TG = TOP OF GUTTER
- TFL = TILE
- TLE = TREE LINE
- TRPT = TELSTRA PIT
- TR = TREE
- TSL = TELSTRA SURFACE LEVEL
- TW = TOP OF WALL
- UEV = UNDERSIDE OF EAVE
- USL = UNKNOWN SERVICE SURFACE LEVEL
- VC = VEHICLE CROSSING
- VE = VERANDAH
- WH = WATER METER
- WHT = WATER PIT SPOT
- WSL = WATER SURFACE LEVEL
- WV = WATER VALVE
- TR = TREE
- EDT = END OF TRACE
- FOD = FULL OF DEBRIS
- UTO = UNABLE TO OPEN
- UTT = UNABLE TO TRACE
- UTL = UNABLE TO LOCATE

"FOR EXTRA NOTES SEE SHEET 1"

**HORIZONTAL DATUM:**  
COORDINATE SYSTEM: MGA  
MARKS: ADOPTED: SSM 4054 & DP108621

**VERTICAL DATUM:**  
DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
B.M. ADOPTED: SSM 4054  
R.L. 2.50m (ORDER L3)  
SOURCE: S.C.I.M.S. (18/09/19)

NO.	DESCRIPTION	DATE
4	DETAIL UPDATED & BOUNDARY IDENT. UNDERGROUND SERVICES NOT UPDATED	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	16/10/19

**CLIENT:**  
SCHOOLS INFRASTRUCTURE NSW  
C/- JOHN STAFF, LEVEL 5,  
9 CASTLEREAGH STREET,  
SYDNEY NSW 2000

**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.1119562 NARRABEN EDUCATION PRECINCT, NARRABEN NSW 2101**

**C.M.S. Surveyors Pty Limited**  
ACN: 096 240 201  
PO Box 463 Dee Why NSW 2099  
2/298 South Cross Road, Dee Why NSW 2099  
Telephone: (02) 9971 4802  
Facsimile: (02) 9971 4822  
E-mail: info@cmsurveyors.com.au

LGA: NORTHERN BEACHES SHEET 3 OF 35	
SURVEYED ME/BS/HC	DRAWN GP/HC
CHECKED ME/BS/HC	APPROVED DR
SURVEY INSTRUCTION 18830A	SCALE 1:100
DATE OF SURVEY 14/10/19	DATE OF SURVEY 14/10/19
DRAWING NAME 18830detail	ISSUE 4
CAD FILE 18830detail.dwg	

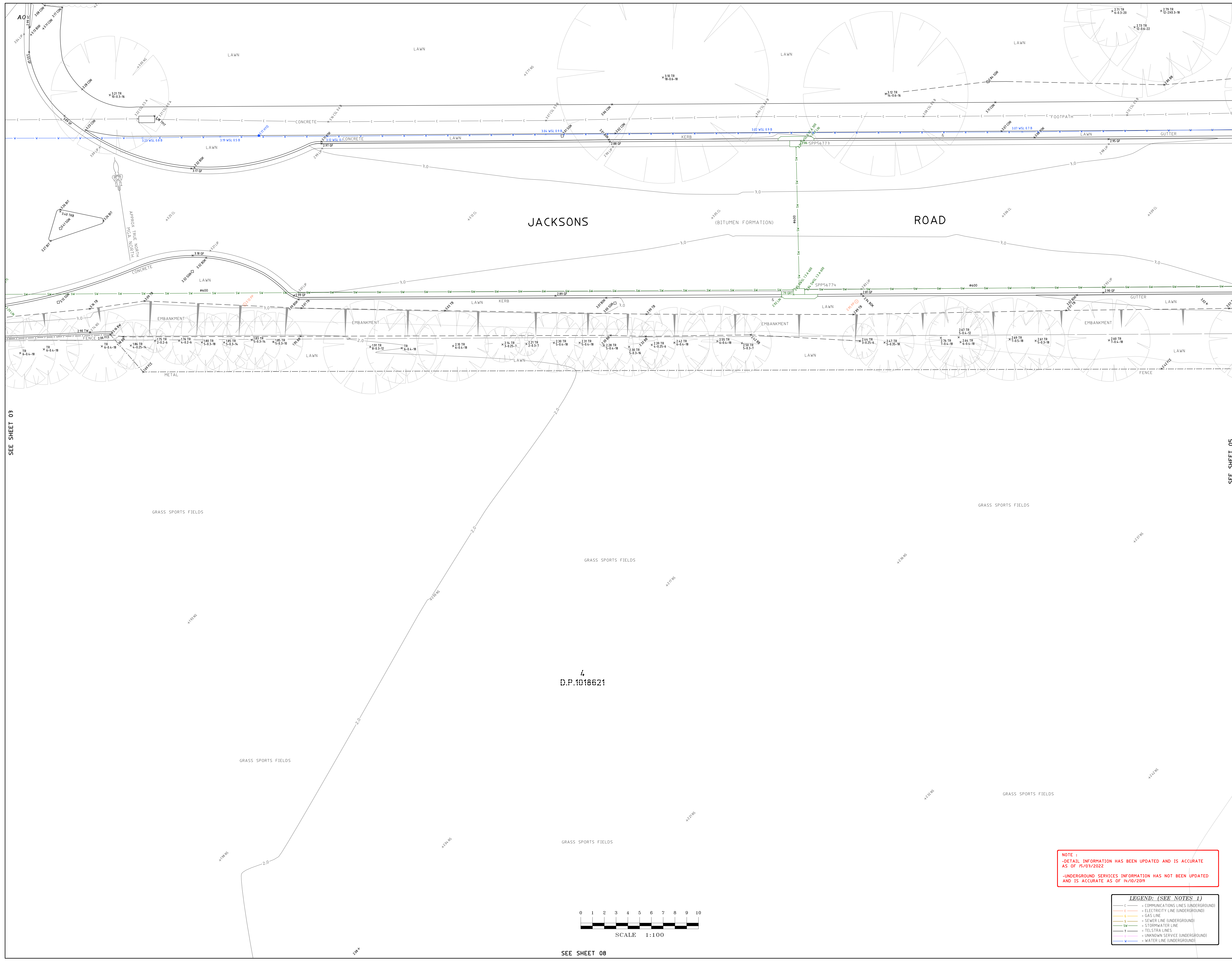
NOTE:  
-DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 16/03/2022  
-UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019

**LEGEND: (SEE NOTES 1)**

- C = COMMUNICATIONS LINES (UNDERGROUND)
- E = ELECTRICITY LINE (UNDERGROUND)
- G = GAS LINE
- S = SEWER LINE (UNDERGROUND)
- SW = STORMWATER LINE
- T = TELSTRA LINES
- U = UNKNOWN SERVICE (UNDERGROUND)
- W = WATER LINE (UNDERGROUND)







**NOTES**

- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN.
- MALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION.
- IF CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SET-OUT.
- THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS PLAN MUST NOT BE USED FOR ANY OTHER MATTER, PURPOSE OR CONSTRUCTION SET-OUT.
- TREE SIZES ARE ESTIMATES ONLY.
- THIS PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW.
- RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGRAMMATIC ONLY WHERE EFFECTS ARE CRITICAL THEY SHOULD BE CONFIRMED BY FURTHER SURVEY.
- EXCEPT WHERE SHOWN BY DIMENSION LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATIVE ONLY.
- ONLY VISIBLE SERVICES HAVE BEEN LOCATED. UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. DO NOT REMOVE ANY SERVICES. 1000 SHOULD BE USED AND A FULL LENGTH INVESTIGATION INCLUDING A UTILITY LOCATION SURVEY IN OR NEAR THE SURVEYED AREA.
- SEWER MARK PLOTTED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION OF SEWER MARKS SHOULD BE CONFIRMED WITH SURVEYOR.
- CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR.
- CONTOURS SHOWN DEPICT THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION.
- CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED.
- POSITION OF RIDGE LINES ARE DIAGRAMMATIC ONLY (NOT TO SCALE).
- THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:100.
- DO NOT SCALE OFF THIS PLAN. FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.
- COPYRIGHT © C.M.S. SURVEYORS 2022.
- NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM, WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER EXCEPT AS PERMITTED BY THE COPYRIGHT ACT 1969.
- ANY PERMITTED DOWNLOADING, ELECTRONIC STORAGE, DISPLAY, PRINT, COPY OR REPRODUCTION OF THIS SURVEY SHOULD CONTAIN NO ALTERATION OR ADDITION TO THE ORIGINAL SURVEY.
- THIS NOTICE MUST NOT BE ERASED.

**LEGEND:**

AW	= AWNING
BAL	= BALCONY
BB	= BOTTOM OF BANK
BBQ	= BARBECUE
BT	= BITUMEN
BLD	= EXTERNAL BUILDING
BOX	= BACK OF KERB
BOL	= BOLLARD
BR	= BOTTOM WALL
CH	= CHIMNEY
CL	= CENTRAL LINE
CON	= CONCRETE
CPT	= COMMUNICATIONS PIT
CUB	= CUBBY HOUSE
COM	= COMMUNICATIONS SURFACE LEVEL
DM	= DAM
DN	= DOWN PIPE
DS	= DOOR SILL LEVEL
EP	= ELECTRICITY HOUSE
EPIL	= ELECTRICITY PILLAR
ESL	= ELECTRICITY SURFACE LEVEL
FHY	= FIRE HYDRANT
FL	= FLOOR LEVEL
GCP	= GAS CATHODIC PROTECTION
GAS	= GAS SURFACE LEVEL
GF	= GUTTER LEVEL
GRT	= GRATE
GSL	= GAS SURFACE LEVEL
GVA	= GAS VALVE
HID	= HYDRANT
IL	= INVERT LEVEL
IP	= INVERT LEVEL PIT
LAN	= LANDING
LID	= MISCELLANEOUS PIT LID
LIN	= LEVEL
LIP	= KERB LIP
LM	= LINE MARKING
LP	= LIGHT POLE
NS	= NATURAL SURFACE
PAY	= PAVING
PIPE	= PIPE JOINT
PIT	= TOP OF PIT
PM	= PERMANENT SURVEY MARK
PTH	= PATH
RA	= RAILING
RF	= TOP OF ROOF
RHP	= RAMP
RR	= ROOF RIDGE
SON	= SIGN
SIP	= SEWER INSPECTION PIT
SMH	= SEWER MAN HOLE
SSL	= SEWER SURFACE LEVEL
STR	= STAIRS
SUB	= ELECTRICITY SUBSTATION
SVA	= STOP VALVE
SVE	= SEWER VENT
SWSL	= STORMWATER SURFACE LEVEL
TAP	= TAP
TB	= TOP OF BANK
TECE	= TOP OF FENCE
TG	= TOP OF GUTTER
TFL	= TILE
TLE	= TREE LINE
TRIP	= TRIPSTRAP PIT
TR	= TREE
TSL	= TELESTRAP SURFACE LEVEL
TW	= TOP OF WALL
UV	= UNDERSIDE OF EAVE
USL	= UNKNOWN SERVICE SURFACE LEVEL
VC	= VEHICLE CROSSING
VER	= VERANDAH
WE	= WATER EDGE
WH	= WATER METER
WPIF	= WATER PIT SPOT
WSL	= WATER SURFACE LEVEL
WV	= WATER VALVE
TR	= TREE
SP	= SPREAD-DIAMETER-HEIGHT-TAGNO.
EDT	= END OF TRACE
FOD	= FULL OF DEBRIS
UTO	= UNABLE TO OPEN
UTT	= UNABLE TO TRACE
UTL	= UNABLE TO LOCATE

"FOR EXTRA NOTES SEE SHEET 1"

**HORIZONTAL DATUM:**  
 CO-ORDINATE SYSTEM: MGA  
 MARKS ADOPTED: SSM 4054 & DP108621

**VERTICAL DATUM:**  
 DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
 B.M. ADOPTED: SSM 4054  
 R.L. 2.50+ (ORDER L3)  
 SOURCE: S.C.I.M.S. (18/09/19)

4	DETAIL UPDATED & BOUNDARY IDENT.	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	18/10/19

**CLIENT:**  
 SCHOOLS INFRASTRUCTURE NSW  
 C/- JOHN STAFF, LEVEL 5,  
 9 CASTLEREAGH STREET,  
 SYDNEY NSW 2000

**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.1119562**  
 NARRABEN EDUCATION PRECINCT,  
 NARRABEN NSW 2101

**C.M.S. Surveyors Pty Limited**  
 ACN: 096 240 201  
 PO Box 463 Dee Why NSW 2099  
 2/298 South Cross Road, Dee Why NSW 2099  
 Telephone: (02) 9971 4802  
 Facsimile: (02) 9971 4822  
 E-mail: info@cmsurveyors.com.au

LG: NORTHERN BEACHES	SHEET 4 OF 35		
SURVEYED	DRAWN	CHECKED	APPROVED
ME/BS/HC	GP/HC	ME/BS/HC	DR
SURVEY INSTRUCTION	SCALE	DATE OF SURVEY	
18870A	1:100 AD	14/10/19	14/10/22
DRAWING NAME	ISSUE		
18870detail	4		
CAD FILE			
18870detail_n.dwg			

**NOTE:**  
 -DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
 -UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019

**LEGEND: (SEE NOTES 1)**

—	= COMMUNICATIONS LINES (UNDERGROUND)
—	= ELECTRICITY LINE (UNDERGROUND)
—	= GAS LINE
—	= SEWER LINE (UNDERGROUND)
—	= STORMWATER LINE
—	= TELESTRAP LINES
—	= UNKNOWN SERVICE (UNDERGROUND)
—	= WATER LINE (UNDERGROUND)

4  
 D.P.1018621



SEE SHEET 08

SEE SHEET 03

SEE SHEET 05





- NOTES**
- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN.
  - WALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION.
  - IF CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT.
  - THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS PLAN MUST NOT BE USED FOR ANY OTHER MATTER, PURPOSE OR CONSTRUCTION SETOUT.
  - THIS PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW.
  - RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGRAMMATIC ONLY WHERE EFFECTS ARE CRITICAL THEY SHOULD BE CONFIRMED BY FURTHER SURVEY.
  - EXCEPT WHERE SHOWN BY DIMENSION LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATIVE ONLY.
  - ONLY VISIBLE SERVICES HAVE BEEN LOCATED UNDERGROUND SERVICES HAVE NOT BEEN LOCATED UNTIL BEFORE ROAD CONSTRUCTION. SERVICES (IN 1000 SHOULD BE USED AND A FULL SCALE INVESTIGATION INCLUDING A UTILITY LOCATION SURVEY IN OR NEAR THE SURVEYED AREA.
  - SEWER MARK PLOTTED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION OF SEWER MARKS SHOULD BE CONFIRMED WITH SURVEYOR.
  - CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED.
  - POSITION OF RIDGE LINES ARE DIAGRAMMATIC ONLY (NOT TO SCALE).
  - THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:500.
  - DO NOT SCALE OFF THIS PLAN / FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.
  - COPYRIGHT © CHS SURVEYORS 2022.
  - NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER EXCEPT AS PERMITTED BY THE COPYRIGHT ACT 1969.
  - ANY PERMITTED DOWNLOADING, ELECTRONIC STORAGE, DISPLAY, PRINT, COPY OR REPRODUCTION OF THIS SURVEY SHOULD CONTAIN NO ALTERATION OR ADDITION TO THE ORIGINAL SURVEY.
  - THIS NOTICE MUST NOT BE ERASED.

STEPHEN DREYER  
REGISTERED SURVEYOR - BOSS NUMBER 405

- LEGEND:**
- AW = AWNING
  - BAL = BALCONY
  - BB = BOTTOM OF BANK
  - BBQ = BARBECUE
  - BIT = BITUMEN
  - BLD = EXTERNAL BUILDING
  - BOX = BACK OF KERB
  - BOL = BOLLARD
  - BU = BUTTRESS WALL
  - CHI = CHIMNEY
  - CON = CONCRETE
  - CPTV = COMMUNICATIONS PIT
  - CSL = COMMUNICATIONS SURFACE LEVEL
  - CUB = CUBBY HOUSE
  - DD = DISH DRAIN
  - DM = DAM
  - DS = DOWN PIPE
  - DS = DOOR SILL LEVEL
  - EK = ELECTRICITY KIOSK
  - EPIL = ELECTRICITY PILLAR
  - EPIT = ELECTRICITY PIT
  - ESL = ELECTRICITY SURFACE LEVEL
  - FCE = FENCE
  - FHY = FIRE HYDRANT
  - FL = FLOOR LEVEL
  - GCP = GAS CATHODIC PROTECTION
  - GON = GARDEN
  - GP = GUTTER LEVEL
  - GPT = GAS PIT
  - GRT = GRATE
  - GSL = GAS SURFACE LEVEL
  - GVA = GAS VALVE
  - HYD = HYDRANT
  - IL = INVERT LEVEL
  - IP = INVERT LEVEL PIT
  - LAN = LANDING
  - LID = MISCELLANEOUS PIT LID
  - LIN = LEVEL
  - LIP = KERB LIP
  - LM = LINE MARKING
  - LP = LIGHT POLE
  - NS = NATURAL SURFACE
  - PAV = PAVING
  - PIPE = PIPE JOINT
  - PIT = TOP OF PIT
  - PM = PERMANENT SURVEY MARK
  - PTH = PATH
  - RA = RAILING
  - RF = TOP OF ROOF
  - RHP = RAMP
  - RR = ROOF RIDGE
  - SON = SIGN
  - SIP = SEWER INSPECTION PIT
  - SMH = SEWER MAN HOLE
  - SSE = SEWER SURFACE LEVEL
  - STR = STAIRS
  - SUB = ELECTRICITY SUBSTATION
  - SVA = STOP VALVE
  - SVE = SEWER VENT
  - SWSL = STORMWATER SURFACE LEVEL
  - TAP = TAP
  - TB = TOP OF BANK
  - TFE = TOP OF FENCE
  - TG = TOP OF GUTTER
  - TFL = TILE
  - TLE = TELETRA PIT
  - TR = TREE
  - TSL = TELETRA SURFACE LEVEL
  - TW = TOP OF WALL
  - UV = UNDERSIDE OF EASE
  - USL = UNKNOWN SERVICE SURFACE LEVEL
  - VC = VEHICLE CROSSING
  - VER = VERANDAH
  - WH = WATER METER
  - WH = WATER METER
  - WPI = WATER PIT SPOT
  - WSL = WATER SURFACE LEVEL
  - WV = WATER VALVE
  - TR = TREE
  - SPREAD-DIAMETER-HEIGHT-TAGNO.
  - EDT = END OF TRACE
  - FOD = FULL OF DEBRIS
  - UTO = UNABLE TO OPEN
  - UTT = UNABLE TO TRACE
  - UTL = UNABLE TO LOCATE

"FOR EXTRA NOTES SEE SHEET 1"

**HORIZONTAL DATUM:**  
 CO-ORDINATE SYSTEM: MGA  
 MARKS ADOPTED: SSM 405M & DP108621

**VERTICAL DATUM:**  
 DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
 B.M. ADOPTED: SSM 405M  
 R.L. 2.50M (ORDER L3)  
 SOURCE: S.C.I.M.S. (18/09/19)

NO.	DESCRIPTION	DATE
4	DETAIL UPDATED & BOUNDARY IDENTIFICATION UNDERGROUND SERVICES NOT UPDATED	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	16/10/19

**CLIENT:**  
 SCHOOLS INFRASTRUCTURE NSW  
 C/- JOHN STAFF, LEVEL 5,  
 9 CASTLEREAGH STREET,  
 SYDNEY NSW 2000

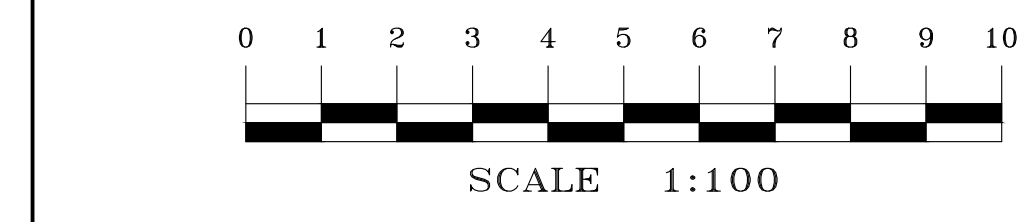
**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.119562**  
 NARRABEN EDUCATION PRECINCT,  
 NARRABEN NSW 2101

**C.M.S. Surveyors Pty Limited**  
 ACN: 096 240 201  
 PO Box 463 Dee Why NSW 2099  
 2/298 South Creek Road, Dee Why NSW 2099  
 Telephone: (02) 9971 4800  
 Facsimile: (02) 9971 4822  
 E-mail: info@cmsurveyors.com.au

SURVEYED		DRAWN		CHECKED		APPROVED	
ME/BS/HC	GP/HC	GP/HC	ME/BS/HC	DR	DR	DR	DR
SURVEY INSTRUCTION		SCALE		DATE OF SURVEY		ISSUE	
18830A		1:500 AD		14/03/22		18830detail	
DRAWING NAME		SCALE		DATE OF SURVEY		ISSUE	
18830detail		1:500 AD		14/03/22		4	
CAD FILE		SCALE		DATE OF SURVEY		ISSUE	
18830detail		1:500 AD		14/03/22		4	

**NOTE:**  
 -DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
 -UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019

- LEGEND: (SEE NOTES 1)**
- = COMMUNICATIONS LINES (UNDERGROUND)
  - = ELECTRICITY LINE (UNDERGROUND)
  - = GAS LINE
  - = SEWER LINE (UNDERGROUND)
  - = STORMWATER LINE
  - = TELETRA LINES
  - = UNKNOWN SERVICE (UNDERGROUND)
  - = WATER LINE (UNDERGROUND)



SEE SHEET 05

SEE SHEET 09







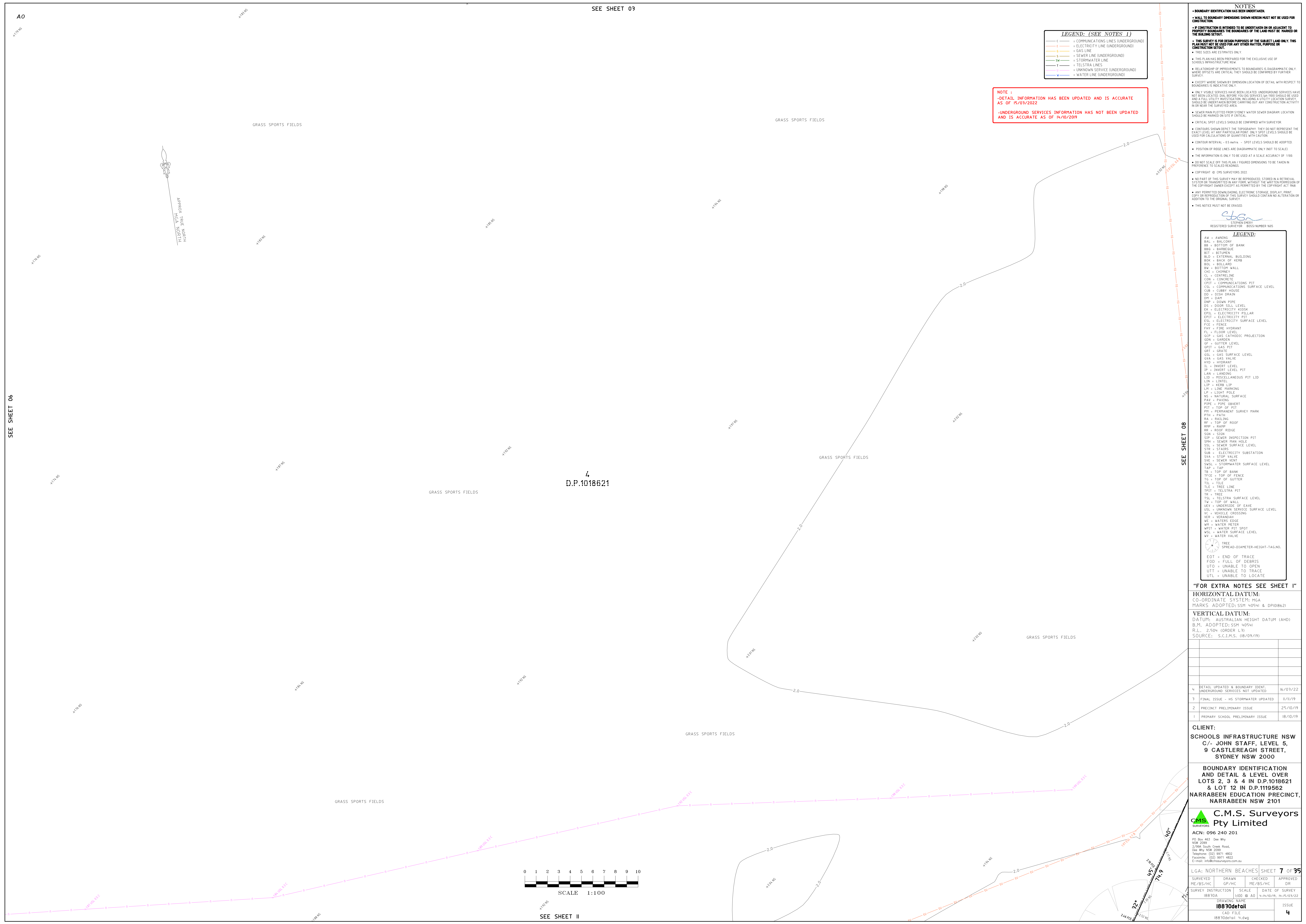
**NOTES**

- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN.
- WALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION.
- IF CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT.
- THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS PLAN MUST NOT BE USED FOR ANY OTHER MATTER, PURPOSE OR CONSTRUCTION SETOUT.
- TREE SIZES ARE ESTIMATES ONLY.
- THIS PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW.
- RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGRAMMATIC ONLY WHERE EFFECTS ARE CRITICAL THEY SHOULD BE CONFIRMED BY FURTHER SURVEY.
- EXCEPT WHERE SHOWN BY DIMENSION LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATIVE ONLY.
- ONLY VISIBLE SERVICES HAVE BEEN LOCATED. UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. BAL BEFORE TO DO SERVICES (IN 1000 SHOULD BE USED AS A GUIDELINE) INVESTIGATION INCLUDING A UTILITY LOCATION SURVEY SHOULD BE UNDERTAKEN BEFORE COMMENCING ANY CONSTRUCTION ACTIVITY IN OR NEAR THE SURVEYED AREA.
- SEWER MAIN PLOTTED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION SHOULD BE MARKED ON SITE AS CRITICAL.
- CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR.
- CONTOURS SHOWN DEPict THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION.
- CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED.
- POSITION OF RIDGE LINES ARE DIAGRAMMATIC ONLY (NOT TO SCALE).
- THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:50.
- DO NOT SCALE OFF THIS PLAN. FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.
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- THIS NOTICE MUST NOT BE ERASED.

**NOTE :**  
 -DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
 -UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/02/2019

**LEGEND: (SEE NOTES 1)**

- = COMMUNICATIONS LINES (UNDERGROUND)
- = ELECTRICITY LINE (UNDERGROUND)
- = GAS LINE
- = SEWER LINE (UNDERGROUND)
- = STORMWATER LINE
- = TELSTRA LINES
- = UNKNOWN SERVICE (UNDERGROUND)
- = WATER LINE (UNDERGROUND)



**LEGEND:**

- AW = AWNING
- BAL = BALCONY
- BB = BOTTOM OF BANK
- BBQ = BARBECUE
- BT = BUTTRESS
- BLD = EXTERNAL BUILDING
- BOX = BACK OF KERB
- BOL = BOLLARD
- BW = BOTTOM WALL
- CHI = CHIMNEY
- CL = CENTRELINE
- CON = CONCRETE
- CPTI = COMMUNICATIONS PIT
- CSL = COMMUNICATIONS SURFACE LEVEL
- CUB = CUBBY HOUSE
- DD = DISH DRAIN
- DM = DAM
- DNP = DOWN PIPE
- DS = DOOR SILL LEVEL
- EK = ELECTRICITY KIOSK
- EPIL = ELECTRICITY PILLAR
- EPIT = ELECTRICITY PIT
- ESL = ELECTRICITY SURFACE LEVEL
- FCE = FENCE
- FHY = FIRE HYDRANT
- FL = FLOOR LEVEL
- GCP = GAS CATHODIC PROTECTION
- SON = GARDEN
- GP = GUTTER LEVEL
- GPT = GAS PIT
- GRT = GRATE
- GSL = GAS SURFACE LEVEL
- GVA = GAS VALVE
- HYD = HYDRANT
- IL = INVERT LEVEL
- IP = INVERT LEVEL PIT
- LAN = LANDING
- LID = MISCELLANEOUS PIT LID
- LIN = LEVEL
- LIP = KERB LIP
- LM = LINE MARKING
- LP = LIGHT POLE
- NS = NATURAL SURFACE
- PAV = PAVING
- POPE = PIPE OVER
- PIT = TOP OF PIT
- PM = PERMANENT SURVEY MARK
- PTH = PATH
- RA = RAILING
- RF = TOP OF ROOF
- RHP = RAMP
- RR = ROOF RIDGE
- SON = SIGN
- SIP = SEWER INSPECTION PIT
- SMH = SEWER MAN HOLE
- SLL = SEWER SURFACE LEVEL
- STR = STAIRS
- SUB = ELECTRICITY SUBSTATION
- SVA = STOP VALVE
- SVE = SEWER VENT
- SWSL = STORMWATER SURFACE LEVEL
- TAP = TAP
- TB = TOP OF BANK
- TECE = TOP OF FENCE
- TG = TOP OF GUTTER
- TFL = TILE
- TLE = TREE LINE
- TRPT = TELSTRA PIT
- TR = TREE
- TSL = TELSTRA SURFACE LEVEL
- TW = TOP OF WALL
- UV = UNDERSIDE OF EAVE
- USL = UNKNOWN SERVICE SURFACE LEVEL
- VC = VEHICLE CROSSING
- VER = VERANDAH
- WH = WATER METER
- WH = WATER METER
- WPIT = WATER PIT SPOT
- WSL = WATER SURFACE LEVEL
- WV = WATER VALVE
- = TREE
- = SPREAD-DIAMETER-HEIGHT-TAGNO.
- EDT = END OF TRACE
- FOD = FULL OF DEBRIS
- UTO = UNABLE TO OPEN
- UTT = UNABLE TO TRACE
- UTL = UNABLE TO LOCATE

"FOR EXTRA NOTES SEE SHEET 1"

**HORIZONTAL DATUM:**  
CO-ORDINATE SYSTEM: MGA  
MARKS: ADOPTED: SSM 405M & DP1018621

**VERTICAL DATUM:**  
DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
B.M. ADOPTED: SSM 405M  
R.L. 2.50m (ORDER L3)  
SOURCE: S.C.I.M.S. (18/09/19)

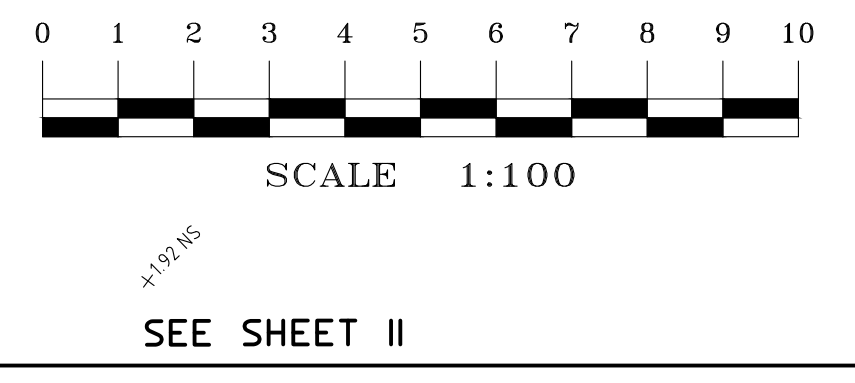
4	DETAIL UPDATED & BOUNDARY IDENTIFICATION, UNDERGROUND SERVICES NOT UPDATED	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	18/10/19

**CLIENT:**  
SCHOOLS INFRASTRUCTURE NSW  
C/- JOHN STAFF, LEVEL 5,  
9 CASTLEREAGH STREET,  
SYDNEY NSW 2000

**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.1119562 NARRABEN EDUCATION PRECINCT, NARRABEN NSW 2101**

**C.M.S. Surveyors Pty Limited**  
ACN: 096 240 201  
PO Box 463 Dee Why NSW 2099  
2/298 South Creek Road, Dee Why NSW 2099  
Telephone: (02) 9971 4802  
Facsimile: (02) 9971 4822  
E-mail: info@cmsurveyors.com.au

LG: NORTHERN BEACHES	SHEET 7 OF 35		
SURVEYED ME/BS/HC	DRAWN GP/HC	CHECKED ME/BS/HC	APPROVED DR
SURVEY INSTRUCTION 18830A	SCALE 1:100	DATE OF SURVEY 14/02/19	DATE OF ISSUE 16/03/22
DRAWING NAME 18830detail	ISSUE 4		





**NOTE 1:**  
 - DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
 - UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019

**LEGEND: (SEE NOTES 1)**

- COMMUNICATIONS LINES (UNDERGROUND)
- ELECTRICITY LINE (UNDERGROUND)
- GAS LINE
- SEWER LINE (UNDERGROUND)
- STORMWATER LINE
- TELSTRA LINES
- UNKNOWN SERVICE (UNDERGROUND)
- WATER LINE (UNDERGROUND)

**NOTES**

- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN
- WALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION
- IF CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT
- THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS PLAN MUST NOT BE USED FOR ANY OTHER MATTER, PURPOSE OR CONSTRUCTION SETOUT.
- THIS PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW
- RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGRAMMATIC ONLY WHERE EFFECTS ARE CRITICAL THEY SHOULD BE CONFIRMED BY FURTHER SURVEY
- EXCEPT WHERE SHOWN BY DIMENSION LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATIVE ONLY
- ONLY VISIBLE SERVICES HAVE BEEN LOCATED. UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. BAL BEFORE 2000 SERVICES (IN 1000 SHOULD BE USED AND A FULL SCALE INVESTIGATION INCLUDING A UTILITY LOCATION SURVEY SHOULD BE UNDERTAKEN BEFORE CONSTRUCTION OF ANY CONSTRUCTION ACTIVITY IN OR NEAR THE SURVEYED AREA
- SEWER MANHOLE PLOTTED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION SHOULD BE MARKED ON SITE AS CRITICAL
- CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR
- CONTOURS SHOWN DEPICT THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION
- CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED
- POSITION OF RIDGE LINES ARE DIAGRAMMATIC ONLY (NOT TO SCALE)
- THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:100
- DO NOT SCALE OFF THIS PLAN / FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO CALLED DIMENSIONS
- COPYRIGHT © CHS SURVEYORS 2022
- NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER EXCEPT AS PERMITTED BY THE COPYRIGHT ACT 1964
- ANY PERMITTED DOWNLOADING, ELECTRONIC STORAGE, DISPLAY, PRINT, COPY OR REPRODUCTION OF THIS SURVEY SHOULD CONTAIN AN ALTERATION OR ADDITION TO THE ORIGINAL SURVEY
- THIS NOTICE MUST NOT BE ERASED

STEPHEN DEWEY  
 REGISTERED SURVEYOR BOSS NUMBER 1405

**LEGEND:**

- AW = AWNING
- BAL = BALCONY
- BB = BOTTOM OF BANK
- BBQ = BARBECUE
- BLD = EXTERNAL BUILDING
- BOK = BACK OF KERB
- BOL = BOLLARD
- BW = BUSH
- CHI = CHIMNEY
- CON = CONCRETE
- CPT = COMMUNICATIONS PIT
- CSL = COMMUNICATIONS SURFACE LEVEL
- CUB = CUBBY HOUSE
- DD = DISH DRAIN
- DM = DAM
- DMP = DOWN PIPE
- DS = DOOR SILL LEVEL
- EK = ELECTRICITY KIOSK
- EPL = ELECTRICITY PILLAR
- EPT = ELECTRICITY PIT
- ESL = ELECTRICITY SURFACE LEVEL
- FCE = FENCE
- FHY = FIRE HYDRANT
- FLR = FLOOR LEVEL
- GCP = GAS CATHODIC PROTECTION
- GP = GUTTER LEVEL
- GRT = GRATE
- GSL = GAS SURFACE LEVEL
- GVA = GAS VALVE
- HID = HYDRANT
- IL = INVERT LEVEL
- IP = INVERT LEVEL PIT
- LAN = LANDING
- LID = MISCELLANEOUS PIT LID
- LIN = LEVEL
- LIP = KERB LIP
- LM = LINE MARKING
- LP = LIGHT POLE
- NS = NATURAL SURFACE
- PAV = PAVING
- POPE = PIPE OVERLAP
- PIT = TOP OF PIT
- PM = PERMANENT SURVEY MARK
- PTH = PATH
- RA = RAILING
- RF = TOP OF ROOF
- RMP = RAMP
- RR = ROOF RIDGE
- SON = SON
- SIP = SEWER INSPECTION PIT
- SMP = SEWER MANHOLE
- SSEL = SEWER SURFACE LEVEL
- STR = STAIRS
- SUB = ELECTRICITY SUBSTATION
- SVA = STOP VALVE
- SVE = SEWER VENT
- SWSL = STORMWATER SURFACE LEVEL
- TAP = TOP OF BANK
- TECE = TOP OF FENCE
- TG = TOP OF GUTTER
- TFL = FILE
- TLE = TREE LINE
- TRPT = TELSTRA PIT
- TR = TREE
- TSL = TELSTRA SURFACE LEVEL
- TW = TOP OF WALL
- UV = UNDERSIDE OF EAVE
- USL = UNKNOWN SERVICE SURFACE LEVEL
- VEH = VEHICLE CROSSING
- VER = VERANDAH
- WH = WATER METER
- WH = WATER METER
- WPT = WATER PIT SPOT
- WSL = WATER SURFACE LEVEL
- WV = WATER VALVE
- TR = TREE
- SPREAD-DIAMETER-HEIGHT-TAGNO.

"FOR EXTRA NOTES SEE SHEET 1"

**HORIZONTAL DATUM:**  
 CO-ORDINATE SYSTEM: MGA  
 MARKS ADOPTED: SSM 405M & DPO18621

**VERTICAL DATUM:**  
 DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
 B.M. ADOPTED: SSM 405M  
 R.L. 2.50M (ORDER L3)  
 SOURCE: S.C.I.M.S. 108/09/19

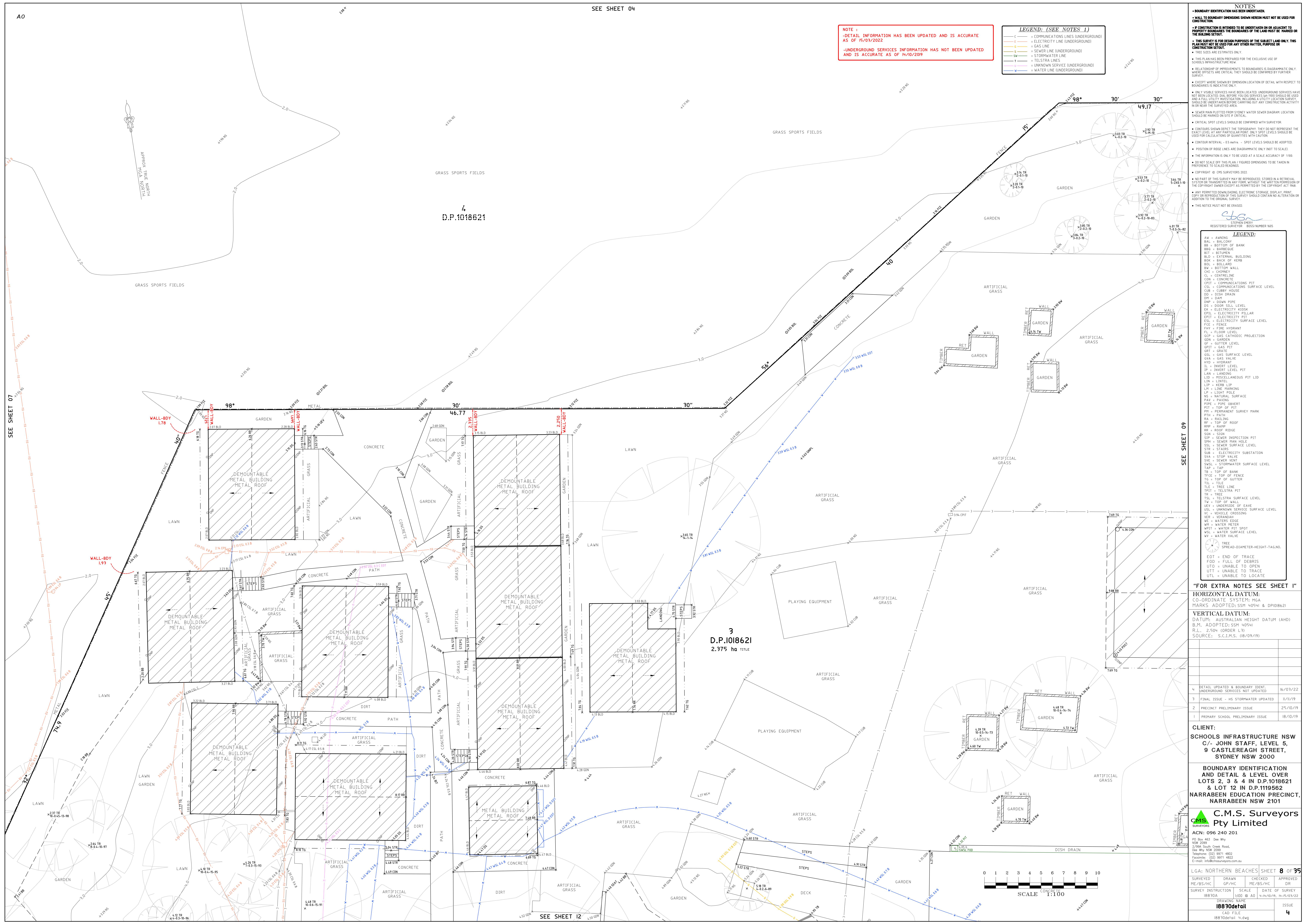
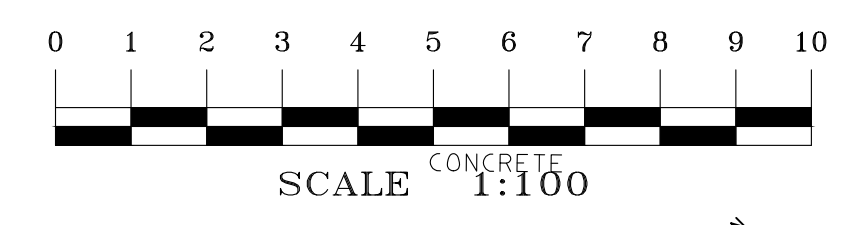
4	DETAIL UPDATED & BOUNDARY IDENTIFICATION	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	16/10/19

**CLIENT:**  
 SCHOOLS INFRASTRUCTURE NSW  
 C/- JOHN STAFF, LEVEL 5,  
 9 CASTLEREAFF STREET,  
 SYDNEY NSW 2000

**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.1119562 NARRABEN EDUCATION PRECINCT, NARRABEN NSW 2101**

**C.M.S. Surveyors Pty Limited**  
 ACN: 096 240 201  
 PO Box 463 Dee Why NSW 2099  
 2/298 South Creek Road, One Way NSW 2099  
 Telephone: (02) 9971 4800  
 Facsimile: (02) 9971 4822  
 E-mail: info@cmsurveyors.com.au

LGA: NORTHERN BEACHES SHEET 8 OF 35	
SURVEYED	APPROVED
ME/BS/HC	OP/HC
CHECKED	DR
ME/BS/HC	ME/BS/HC
SURVEY INSTRUCTION	SCALE
18830A	1:100
DATE OF SURVEY	DATE OF SURVEY
14/10/19	14/10/19
DRAWING NAME	ISSUE
18830detail	4
CAD FILE	
18830detail_4.dwg	

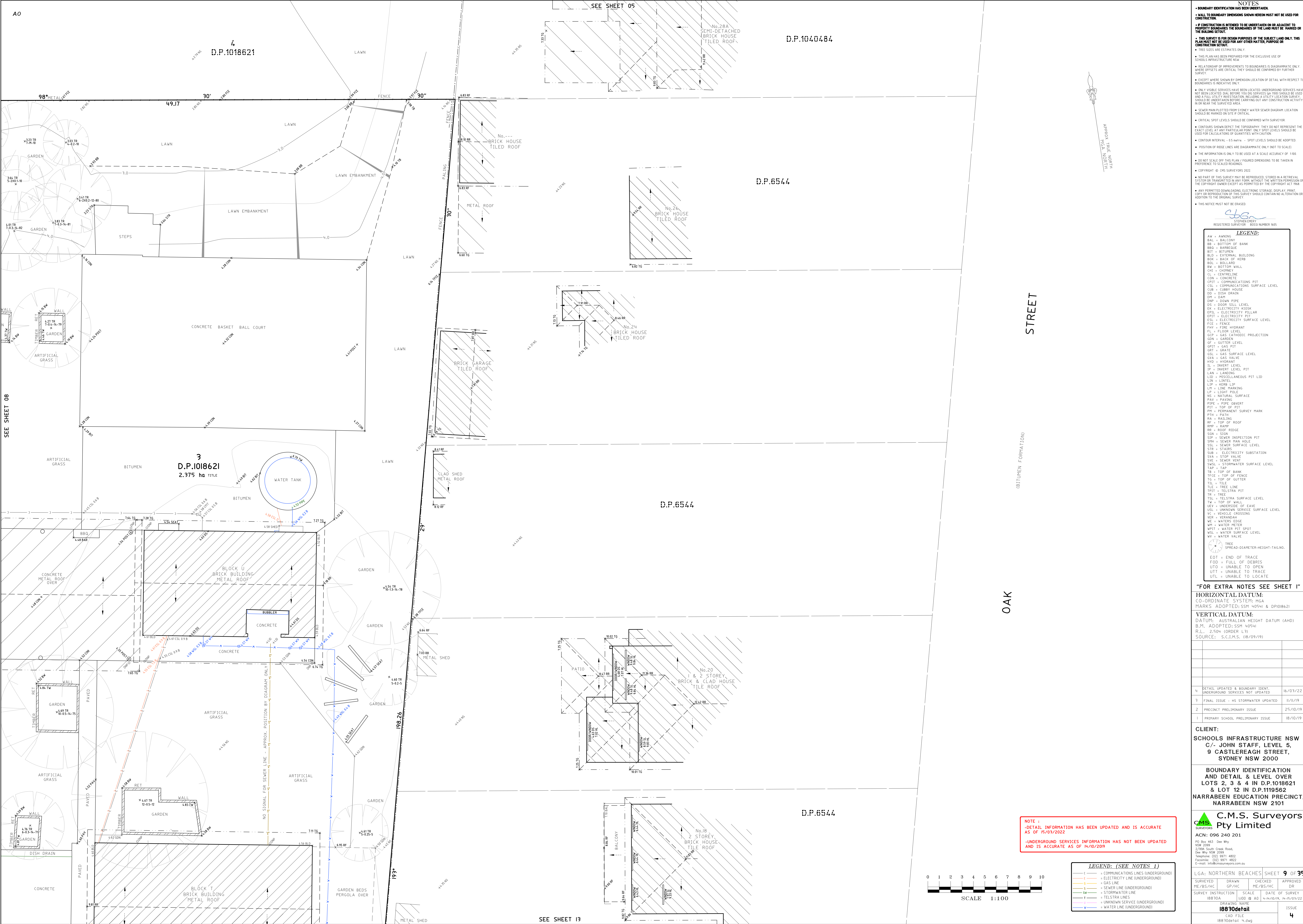


SEE SHEET 07

SEE SHEET 09

SEE SHEET 12





**NOTES**

- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN.
- WALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION.
- CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT.
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- TREE SIZES ARE ESTIMATES ONLY.
- THIS PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW.
- RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGRAMMATIC ONLY WHERE EFFECTS ARE CRITICAL, THEY SHOULD BE CONFIRMED BY FURTHER SURVEY.
- EXCEPT WHERE SHOWN BY DIMENSION LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATIVE ONLY.
- ONLY VISIBLE SERVICES HAVE BEEN LOCATED. UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. DO NOT REMOVE SERVICES UNLESS A UTILITY LOCATION SURVEY AND A FULL SCALE INVESTIGATION HAS BEEN UNDERTAKEN. A UTILITY LOCATION SURVEY SHOULD BE CONDUCTED BEFORE CARRYING OUT ANY CONSTRUCTION ACTIVITY IN OR NEAR THE SURVEYED AREA.
- SEWER MAIN PLOTTED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION SHOULD BE MARKED ON SITE AS CRITICAL.
- CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR.
- CONTOURS SHOWN DEPict THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION.
- CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED.
- POSITION OF RIDGE LINES ARE DIAGRAMMATIC ONLY (NOT TO SCALE).
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- COPYRIGHT © CHS SURVEYORS 2022.
- NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER EXCEPT AS PERMITTED BY THE COPYRIGHT ACT 1969.
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- THIS NOTICE MUST NOT BE ERASED.

**LEGEND:**

AW	= AWNING
BAL	= BALCONY
BB	= BOTTOM OF BANK
BBQ	= BARBECUE
BIT	= BITUMEN
BLD	= EXTERNAL BUILDING
BOX	= BACK OF KERB
BOL	= BOLLARD
BR	= BOTTOM OF RILL
CHI	= CHIMNEY
CON	= CONCRETE
CPIT	= COMMUNICATIONS PIT
CSL	= COMMUNICATIONS SURFACE LEVEL
CUB	= CUBBY HOUSE
DD	= DISH DRAIN
DM	= DAM
DMP	= DOWN PIPE
DS	= DOOR SILL LEVEL
EK	= ELECTRICITY KIOSK
EPIL	= ELECTRICITY PILLAR
EPIT	= ELECTRICITY PIT
ESL	= ELECTRICITY SURFACE LEVEL
FCE	= FENCE
FHY	= FIRE HYDRANT
FL	= FLOOR LEVEL
GCP	= GAS CATHODIC PROTECTION
GON	= GARDEN
GP	= GUTTER LEVEL
GPT	= GAS PIT
GRT	= GRATE
GSL	= GAS SURFACE LEVEL
GVA	= GAS VALVE
HYD	= HYDRANT
IL	= INVERT LEVEL
IP	= INVERT LEVEL PIT
LAN	= LANDING
LID	= MISCELLANEOUS PIT LID
LIN	= LINEN
LIP	= KERB LIP
LM	= LINE MARKING
LP	= LIGHT POLE
NS	= NATURAL SURFACE
PAV	= PAVING
POE	= PIPE OVERLAP
PIT	= TOP OF PIT
PM	= PERMANENT SURVEY MARK
PTH	= PATH
RA	= RAILING
RF	= TOP OF ROOF
RHP	= RAMP
RR	= ROOF RIDGE
SON	= SIGN
SIP	= SEWER INSPECTION PIT
SMP	= SEWER MAIN HOLE
SLL	= SEWER SURFACE LEVEL
STR	= STAIRS
SUB	= ELECTRICITY SUBSTATION
SVA	= STOP VALVE
SVE	= SEWER VENT
SWSL	= STORMWATER SURFACE LEVEL
TAP	= TAP
TB	= TOP OF BANK
TEE	= TOP OF FENCE
TG	= TOP OF GUTTER
TIL	= TILE
TLE	= TREE LINE
TPIT	= TELESTRUT PIT
TR	= TREE
TSL	= TELESTRUT SURFACE LEVEL
TW	= TOP OF WALL
UV	= UNDERSIDE OF EAVE
USL	= UNKNOWN SERVICE SURFACE LEVEL
V	= VEHICLE CROSSING
VER	= VERANDAH
WE	= WATER EDGE
WH	= WATER METER
WPT	= WATER PIT SPOT
WSL	= WATER SURFACE LEVEL
WV	= WATER VALVE
TR	= TREE
SPR	= SPREAD-DIAMETER-HEIGHT-TAGNO.

**"FOR EXTRA NOTES SEE SHEET 1"**

**HORIZONTAL DATUM:**  
COORDINATE SYSTEM: MGA  
MARKS ADOPTED: SM 40541 & DP1018621

**VERTICAL DATUM:**  
DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
B.M. ADOPTED: SM 40541  
R.L. 2.504 (ORDER L3)  
SOURCE: S.C.I.M.S. (18/09/19)

NO.	DESCRIPTION	DATE
4	DETAIL UPDATED & BOUNDARY IDENT. UNDERGROUND SERVICES NOT UPDATED	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	18/10/19

**CLIENT:**  
SCHOOLS INFRASTRUCTURE NSW  
C/ JOHN STAFF, LEVEL 5,  
9 CASTLEREAGH STREET,  
SYDNEY NSW 2000

**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.119562**  
NARRABEN EDUCATION PRECINCT, NARRABEN NSW 2101

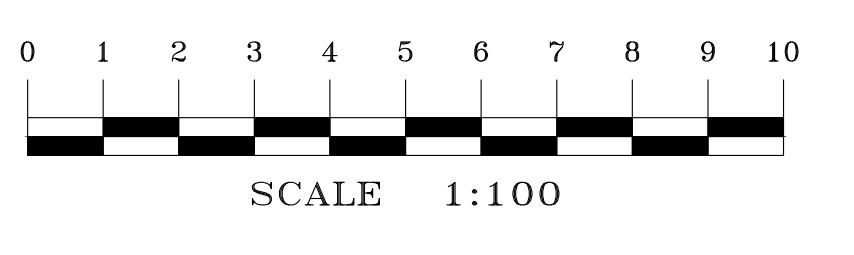
**C.M.S. Surveyors Pty Limited**  
ACN: 096 240 201  
PO Box 483 Dee Why NSW 1509  
2/298 South Creek Road, Dee Why NSW 1509  
Telephone: (02) 9971 4802  
Facsimile: (02) 9971 4822  
E-mail: info@cmsurveyors.com.au

LG: NORTHERN BEACHES SHEET 9 OF 35			
SURVEYED ME/BS/HC	DRAWN GP/HC	CHECKED ME/BS/HC	APPROVED DR
SURVEY INSTRUCTION 18830A	SCALE 1:100	DATE OF SURVEY 16/03/22	
DRAWING NAME 18830detail		ISSUE 4	
CAD FILE 18830detail_N.dwg			

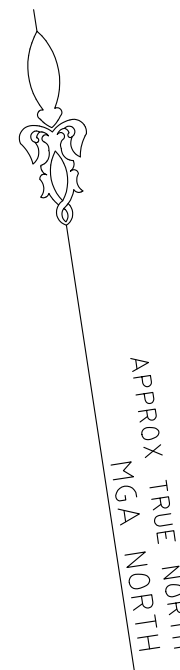
**NOTE:**  
-DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
-UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 16/10/2019

**LEGEND: (SEE NOTES 1)**

(---)	= COMMUNICATIONS LINES (UNDERGROUND)
(---)	= ELECTRICITY LINE (UNDERGROUND)
(---)	= GAS LINE
(---)	= SEWER LINE (UNDERGROUND)
(---)	= STORMWATER LINE
(---)	= TELESTRUT LINES
(---)	= UNKNOWN SERVICE (UNDERGROUND)
(---)	= WATER LINE (UNDERGROUND)







MULLET CREEK

7075 D.P.1051160

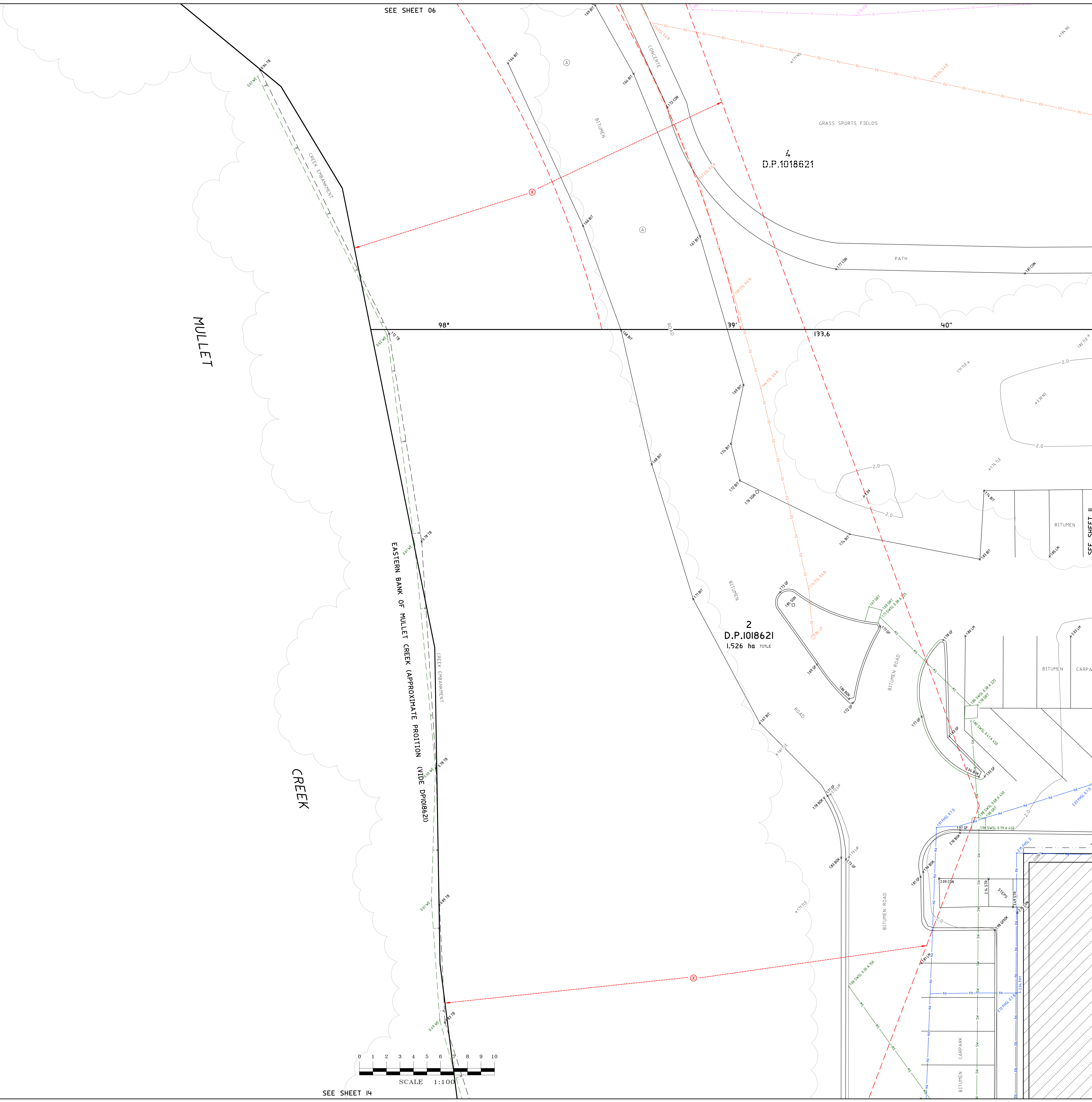
SEE SHEET 14

NOTE : -DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022 -UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/02/2019

LEGEND: (SEE NOTES 1) Table with symbols for communication lines, electricity, gas, sewer, stormwater, telstra, and water lines.



SCALE 1:100



- NOTES: -BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN -WALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION -IF CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT -THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS PLAN MUST NOT BE USED FOR ANY OTHER MATTER, PURPOSE OR CONSTRUCTION SETOUT. -TREE SIZES ARE ESTIMATES ONLY. -THIS PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW. -RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGRAMMATIC ONLY WHERE EFFECTS ARE CRITICAL THEY SHOULD BE CONFIRMED BY FURTHER SURVEY. -EXCEPT WHERE SHOWN BY DIMENSION LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATIVE ONLY. -ONLY VISIBLE SERVICES HAVE BEEN LOCATED. UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. DIAL BEFORE YOU DIG SERVICES (9m-1000) SHOULD BE USED AND A FULL DEPTH INVESTIGATION INCLUDING A UTILITY LOCATION SURVEY SHOULD BE UNDERTAKEN WITH CARE BEING TAKEN IN CARRYING OUT ANY CONSTRUCTION ACTIVITY IN OR NEAR THE SURVEYED AREA. -SEWER MAIN PLOTTED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION SHOULD BE MARKED ON SITE IN CRITICAL. -CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR. -CONTOURS SHOWN DEPict THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION. -CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED. -POSITION OF RIDGE LINES ARE DIAGRAMMATIC ONLY (NOT TO SCALE). -THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:100. -DO NOT SCALE OFF THIS PLAN / FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS. -COPYRIGHT © CHS SURVEYORS 2022. -NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER EXCEPT AS PERMITTED BY THE COPYRIGHT ACT 1984. -ANY PERMITTED DOWNLOADING, ELECTRONIC STORAGE, DISPLAY, PRINT, COPY OR REPRODUCTION OF THIS SURVEY SHOULD CONTAIN NO ALTERATION OR ADDITION TO THE ORIGINAL SURVEY. -THIS NOTICE MUST NOT BE ERASD.

C.M.S. SURVEYORS REGISTERED SURVEYOR BOSS NUMBER 193

LEGEND: Table of abbreviations including AW, BAL, BBQ, BIT, BLD, BOK, BOL, BR, CH, CON, CPT, CSL, CUB, DO, DM, DS, EK, EPIL, ESL, FCE, FHY, FL, GCP, SON, GP, GRT, GVL, HYD, IL, IP, LAN, LID, LIN, LIP, LM, LP, NS, PAV, PIPE, PIT, PM, RA, RR, SIP, SPM, SSL, STR, SVA, SVE, SWSL, TAP, TBC, TFC, TG, TEL, TLE, TR, TW, UCL, VER, WH, WHF, WSL, WV.

"FOR EXTRA NOTES SEE SHEET 1"

HORIZONTAL DATUM: CO-ORDINATE SYSTEM: MGA MARKS: ADOPTED: SSM 4054I & DPIO862I VERTICAL DATUM: DATUM: AUSTRALIAN HEIGHT DATUM (AHD) B.M. ADOPTED: SSM 4054I R.L. 2.50+ (ORDER L3) SOURCE: S.C.I.M.S. (18/09/19)

Revision table with columns for issue number, description, and date. Issues include 'DETAIL UPDATED & BOUNDARY IDENTIFICATION', 'FINAL ISSUE - HS STORMWATER UPDATED', 'PRECINCT PRELIMINARY ISSUE', and 'PRIMARY SCHOOL PRELIMINARY ISSUE'.

CLIENT: SCHOOLS INFRASTRUCTURE NSW C/- JOHN STAFF, LEVEL 5, 9 CASTLEREAGH STREET, SYDNEY NSW 2000

BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.1119562 NARRABEN EDUCATION PRECINCT, NARRABEN NSW 2101

C.M.S. Surveyors Pty Limited ACN: 096 240 201 PO Box 463 Dee Why NSW 2099 2/29A South Creek Road, Dee Why NSW 2099 Telephone: (02) 9971 4802 Facsimile: (02) 9971 4822 E-mail: info@cmsurveyors.com.au

Project information table including 'SURVEYED', 'DRAWN', 'CHECKED', 'APPROVED', 'SCALE', 'DATE OF SURVEY', 'DRAWING NAME', and 'ISSUE'.



**NOTE 1:**  
 -DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
 -UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019

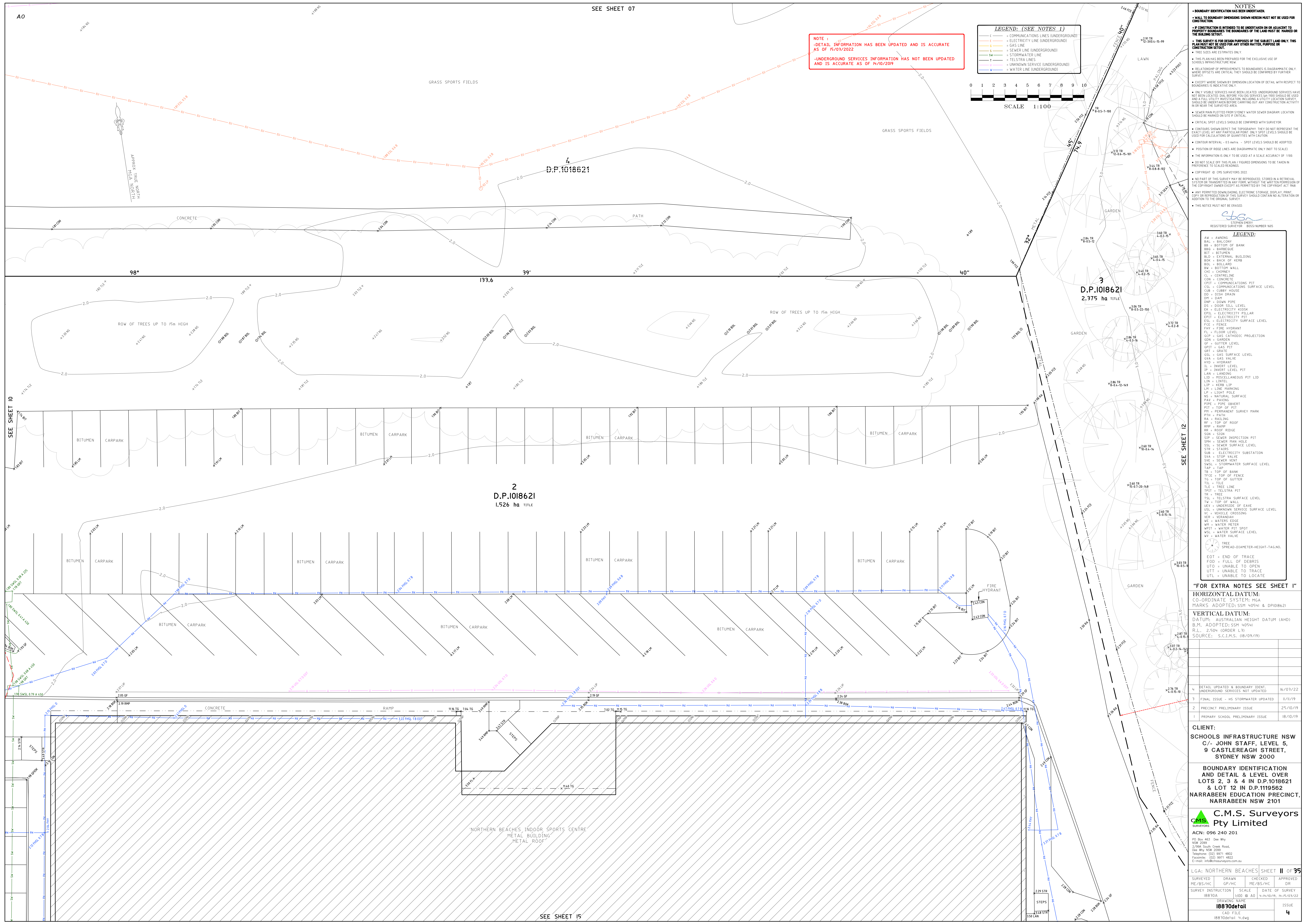
**LEGEND: (SEE NOTES 1)**

- C = COMMUNICATIONS LINES (UNDERGROUND)
- E = ELECTRICITY LINE (UNDERGROUND)
- G = GAS LINE
- S = SEWER LINE (UNDERGROUND)
- SW = STORMWATER LINE
- T = TELSTRA LINES
- U = UNKNOWN SERVICE (UNDERGROUND)
- W = WATER LINE (UNDERGROUND)



- NOTES**
- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN
  - WALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION
  - IF CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT
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  - EXCEPT WHERE SHOWN BY DIMENSION LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATIVE ONLY
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  - SEWER MAIN PLOTTED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION SHOULD BE MARKED ON SITE AS CRITICAL
  - CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR
  - CONTOURS SHOWN DEPICT THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION
  - CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED
  - POSITION OF RIDGE LINES ARE DIAGRAMMATIC ONLY (NOT TO SCALE)
  - THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:100
  - DO NOT SCALE OFF THIS PLAN / FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO CALLED DIMENSIONS
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  - NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER EXCEPT AS PERMITTED BY THE COPYRIGHT ACT 1969
  - ANY PERMITTED DOWNLOADING, ELECTRONIC STORAGE, DISPLAY, PRINT, COPY OR REPRODUCTION OF THIS SURVEY SHOULD CONTAIN NO ALTERATION OR ADDITION TO THE ORIGINAL SURVEY
  - THIS NOTICE MUST NOT BE ERASED

- LEGEND:**
- AW = ANNING
  - BAL = BALCONY
  - BB = BOTTOM OF BANK
  - BBO = BARBECUE
  - BIT = BACK OF KERB
  - BLD = EXTERNAL BUILDING
  - BOX = BOX OF KERB
  - BOL = BOLLARD
  - BW = BOTTOM WALL
  - CHI = CHIMNEY
  - CON = CONCRETE
  - CPTI = COMMUNICATIONS PIT
  - CSL = COMMUNICATIONS SURFACE LEVEL
  - CUB = CUBBY HOUSE
  - DO = DISH DRAIN
  - DM = DAM
  - DNP = DOWN PIPE
  - DS = DOOR SILL LEVEL
  - EK = ELECTRICITY KIOSK
  - EPL = ELECTRICITY PILLAR
  - EPIT = ELECTRICITY PIT
  - ESL = ELECTRICITY SURFACE LEVEL
  - FCE = FENCE
  - FHY = FIRE HYDRANT
  - FLN = FLOOR LEVEL
  - GCP = GAS CATHODIC PROTECTION
  - GF = GUTTER LEVEL
  - GPIT = GAS PIT
  - GRT = GRATE
  - GSL = GAS SURFACE LEVEL
  - GVA = GAS VALVE
  - HYD = HYDRANT
  - IL = INVERT LEVEL
  - IP = INVERT LEVEL PIT
  - LAN = LANDING
  - LID = MISCELLANEOUS PIT LID
  - LIN = LEVEL
  - LIP = KERB LIP
  - LM = LINE MARKING
  - LP = LIGHT POLE
  - NS = NATURAL SURFACE
  - PAV = PAVING
  - PIP = PIPE JOINT
  - PIT = TOP OF PIT
  - PM = PERMANENT SURVEY MARK
  - PTH = PATH
  - RA = RAILING
  - RF = TOP OF ROOF
  - RHP = RAMP
  - RR = ROOF RIDGE
  - SON = SON
  - SIP = SEWER INSPECTION PIT
  - SMH = SEWER MAIN HOLE
  - SLL = SEWER SURFACE LEVEL
  - STR = STAIRS
  - SUB = ELECTRICITY SUBSTATION
  - SVA = STOP VALVE
  - SWL = STORMWATER SURFACE LEVEL
  - TB = TOP OF BANK
  - TEC = TOP OF FENCE
  - TG = TOP OF GUTTER
  - TFL = TILE
  - TLE = TREE LINE
  - TR = TREE
  - TSL = TELSTRA SURFACE LEVEL
  - TW = TOP OF WALL
  - UEV = UNDERSIDE OF EAVE
  - USL = UNKNOWN SERVICE SURFACE LEVEL
  - VC = VEHICLE CROSSING
  - VER = VERANDAH
  - WH = WATER METER
  - WPIE = WATER PIT SPOT
  - WSL = WATER SURFACE LEVEL
  - WV = WATER VALVE
  - TR = TREE
  - SPREAD-DIAMETER-HEIGHT-TAGNO.
  - EDT = END OF TRACE
  - FOD = FULL OF DEBRIS
  - UTO = UNABLE TO OPEN
  - UTT = UNABLE TO TRACE
  - UTL = UNABLE TO LOCATE



SEE SHEET 10

SEE SHEET 12

SEE SHEET 15

**"FOR EXTRA NOTES SEE SHEET 1"**

**HORIZONTAL DATUM:**  
 CO-ORDINATE SYSTEM: MGA  
 MARKS: ADOPTED; SSM 405M & DPO18621

**VERTICAL DATUM:**  
 DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
 B.M. ADOPTED: SSM 405M  
 R.L. 2.50M (ORDER L3)  
 SOURCE: S.C.I.M.S. (18/09/19)

4	DETAIL UPDATED & BOUNDARY IDENTIFICATION	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	18/10/19

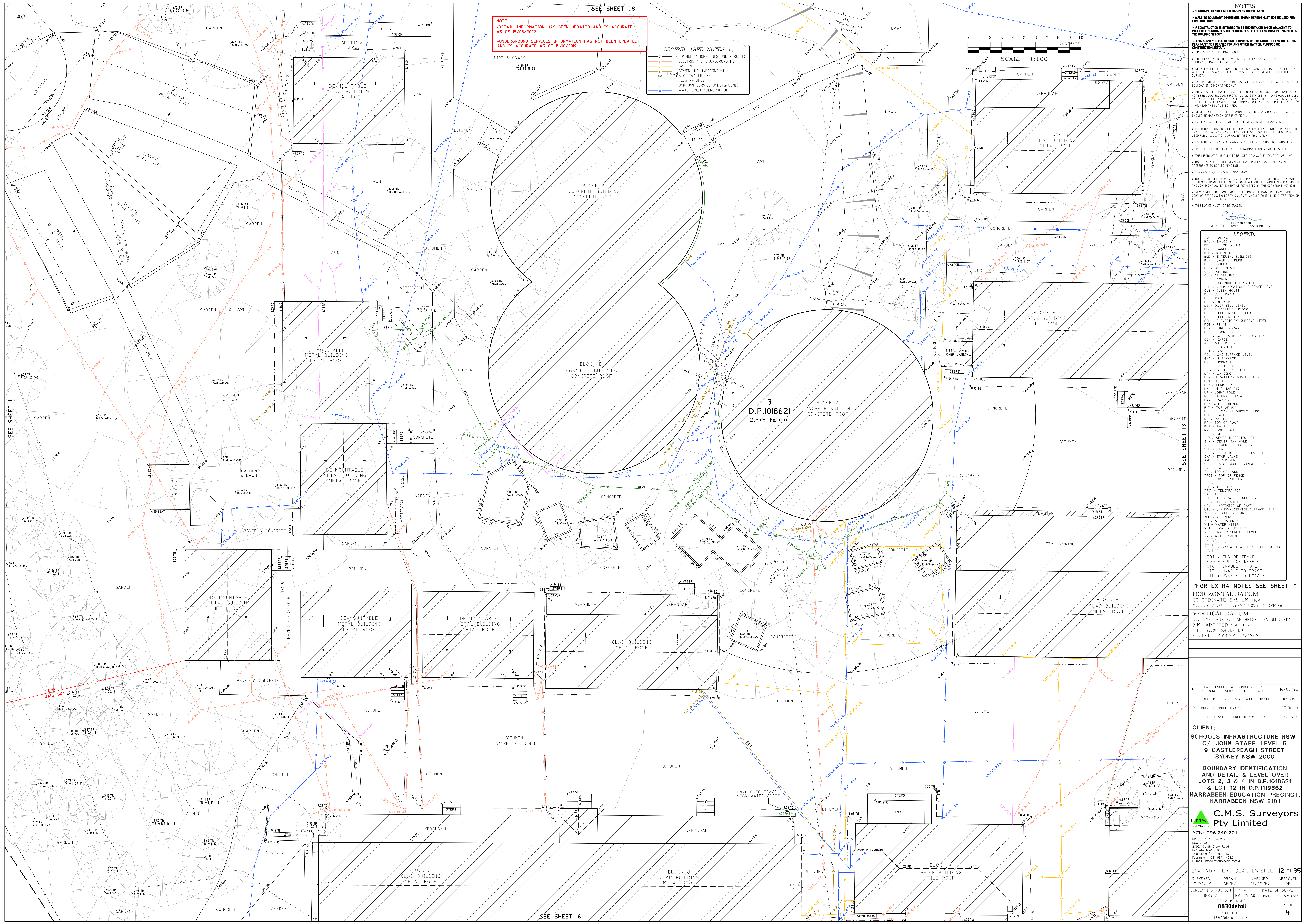
**CLIENT:**  
 SCHOOLS INFRASTRUCTURE NSW  
 C/- JOHN STAFF, LEVEL 5,  
 9 CASTLEREAGH STREET,  
 SYDNEY NSW 2000

**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.1119562**  
 NARRABEN EDUCATION PRECINCT,  
 NARRABEN NSW 2101

**C.M.S. Pty Limited**  
 SURVEYORS  
 ACN: 096 240 201  
 PO Box 463 Dee Why NSW 2099  
 2/298 South Creek Road, Dee Why NSW 2099  
 Telephone: (02) 9971 4800  
 Facsimile: (02) 9971 4822  
 E-mail: info@cmsurveyors.com.au

LGA: NORTHERN BEACHES	SHEET 11 OF 35
SURVEYED ME/BS/HC	DRAWN GP/HC
CHECKED ME/BS/HC	APPROVED DR
SURVEY INSTRUCTION 18870A	SCALE 1:100 @ AD
DRAWING NAME 18890detail	DATE OF SURVEY 14/10/19
CAD FILE 18890detail.dwg	ISSUE 4





**NOTE :**  
 -DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
 -UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/02/2019

**LEGEND: (SEE NOTES 1)**  
 - COMMUNICATIONS LINES (UNDERGROUND)  
 - ELECTRICITY LINE (UNDERGROUND)  
 - GAS LINE (UNDERGROUND)  
 - SEWER LINE (UNDERGROUND)  
 - STORMWATER LINE (UNDERGROUND)  
 - TELEPHONE LINES (UNDERGROUND)  
 - UNKNOWN SERVICE (UNDERGROUND)  
 - WATER LINE (UNDERGROUND)



**NOTES**

- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN
- WALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION
- CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES. THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT.
- THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS CONSTRUCTION SETOUT.
- TREE SIZES ARE ESTIMATES ONLY
- THE PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF THE CLIENT. IT IS NOT TO BE USED FOR ANY OTHER PURPOSE, PURPOSE OR CONSTRUCTION SETOUT.
- RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGRAMMATIC ONLY. WHERE EFFECTS ARE CRITICAL, THEY SHOULD BE CONFIRMED BY FURTHER SURVEY.
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**LEGEND:**

AW = AWNING  
 BAL = BALCONY  
 BB = BOTTOM OF BANK  
 BBQ = BARBEQUE  
 BIT = BITUMEN  
 BLD = EXTERNAL BUILDING  
 BOB = BACK OF KERB  
 BOL = BOLLARD  
 BO = BOTTLE  
 CH = CHIMNEY  
 CL = CENTRAL LINE  
 CON = CONCRETE  
 CPIT = COMMUNICATIONS PIT  
 CSL = COMMUNICATIONS SURFACE LEVEL  
 CUB = CUBBY HOUSE  
 DD = DISH DRAIN  
 DM = DAM  
 DP = DOWN PIPE  
 DS = DOOR SILL LEVEL  
 EL = ELECTRICITY WISK  
 EPIL = ELECTRICITY PILLAR  
 EPT = ELECTRICITY PIT  
 ESL = ELECTRICITY SURFACE LEVEL  
 FCE = FENCE LINE  
 FHY = FIRE HYDRANT  
 FOS = FLOOR OVERSET  
 GCP = GAS CATHODIC PROTECTION  
 GON = GAS PIT  
 GP = GUTTER LEVEL  
 GPT = GAS PIT  
 GR = GRATE  
 GSL = GAS SURFACE LEVEL  
 GVA = GAS VALVE  
 HFD = HYDRANT  
 IL = INVERT LEVEL  
 IP = INVERT LEVEL PIT  
 LAN = LANDING  
 LID = MISCELLANEOUS PIT LID  
 LIN = LEVEL  
 LIP = KERB LIP  
 LIP = LINE MARKING  
 LP = LIGHT POLE  
 NS = NATURAL SURFACE  
 PAV = PAVING  
 PPS = PIPE JOINT  
 PTH = TOP OF PIT  
 RP = PERMANENT SURVEY MARK  
 RPT = PATH  
 RA = RAILING  
 RF = TOP OF ROOF  
 ROP = ROOF  
 RR = ROOF RIDGE  
 SON = SON  
 SIP = SEWER INSPECTION PIT  
 SPM = SEWER MAIN HOLE  
 SSL = SEWER SURFACE LEVEL  
 STR = STAIRS  
 SUB = ELECTRICITY SUBSTATION  
 SVA = STOP VALVE  
 SVE = SEWER VENT  
 SWSL = STORMWATER SURFACE LEVEL  
 TAP = TAP  
 TB = TOP OF BANK  
 TFC = TOP OF FENCE  
 TG = TOP OF GUTTER  
 TIL = TILE  
 TPI = TELESTRUT PIT  
 TR = TREE  
 TSL = TELESTRUT SURFACE LEVEL  
 TW = TOP OF WALL  
 UEL = UNDERSIDE OF EAVE  
 USL = UNKNOWN SERVICE SURFACE LEVEL  
 VC = VEHICLE CROSSING  
 VER = VERANDAH  
 WER = WATER EDGE  
 WH = WATER METER  
 WPT = WATER PIT SPOT  
 WSL = WATER SURFACE LEVEL  
 WV = WATER VALVE

• TREE  
 (C) SPREAD-DIAMETER-HEIGHT-TAGNO.

• END OF TRACE  
 • FULL OF DEBRIS  
 • UNABLE TO OPEN  
 • UNABLE TO TRACE  
 • UNABLE TO LOCATE

**"FOR EXTRA NOTES SEE SHEET 1"**

**HORIZONTAL DATUM:**  
 CO-ORDINATE SYSTEM: MGA  
 MARKS: ADOPTED: SSM 4054 & DP1018621

**VERTICAL DATUM:**  
 DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
 B.M. ADOPTED: SSM 4054  
 R.L. 2.504 (ORDER L3)  
 SOURCE: S.C.I.M.S. (18/09/19)

NO.	DESCRIPTION	DATE
4	DETAIL UPDATED & BOUNDARY IDENT.	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	16/10/19

**CLIENT:**  
 SCHOOLS INFRASTRUCTURE NSW  
 C/- JOHN STAFF, LEVEL 5,  
 9 CASTLEREAUGH STREET,  
 SYDNEY NSW 2000

**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.1119562**  
 NARRABEN EDUCATION PRECINCT,  
 NARRABEN NSW 2101

**C.M.S. Surveyors Pty Limited**  
 ACN: 096 240 201  
 PO Box 463 Dee Why NSW 2099  
 2/298 South Creek Road, Dee Why NSW 2099  
 Telephone: (02) 9971 4802  
 Facsimile: (02) 9971 4822  
 E-mail: info@cmsurveyors.com.au

SURVEYED	DRAWN	CHECKED	APPROVED
ME/BS/HC	GP/HC	ME/BS/HC	DR

LG: NORTHERN BEACHES SHEET 12 OF 35

SURVEY INSTRUCTION	SCALE	DATE OF SURVEY
18830A	1:100 AD	14/11/2019, 14/12/2022

DRAWING NAME: 18830detail  
 CAD FILE: 18830detail\_n.dwg  
 ISSUE: 4

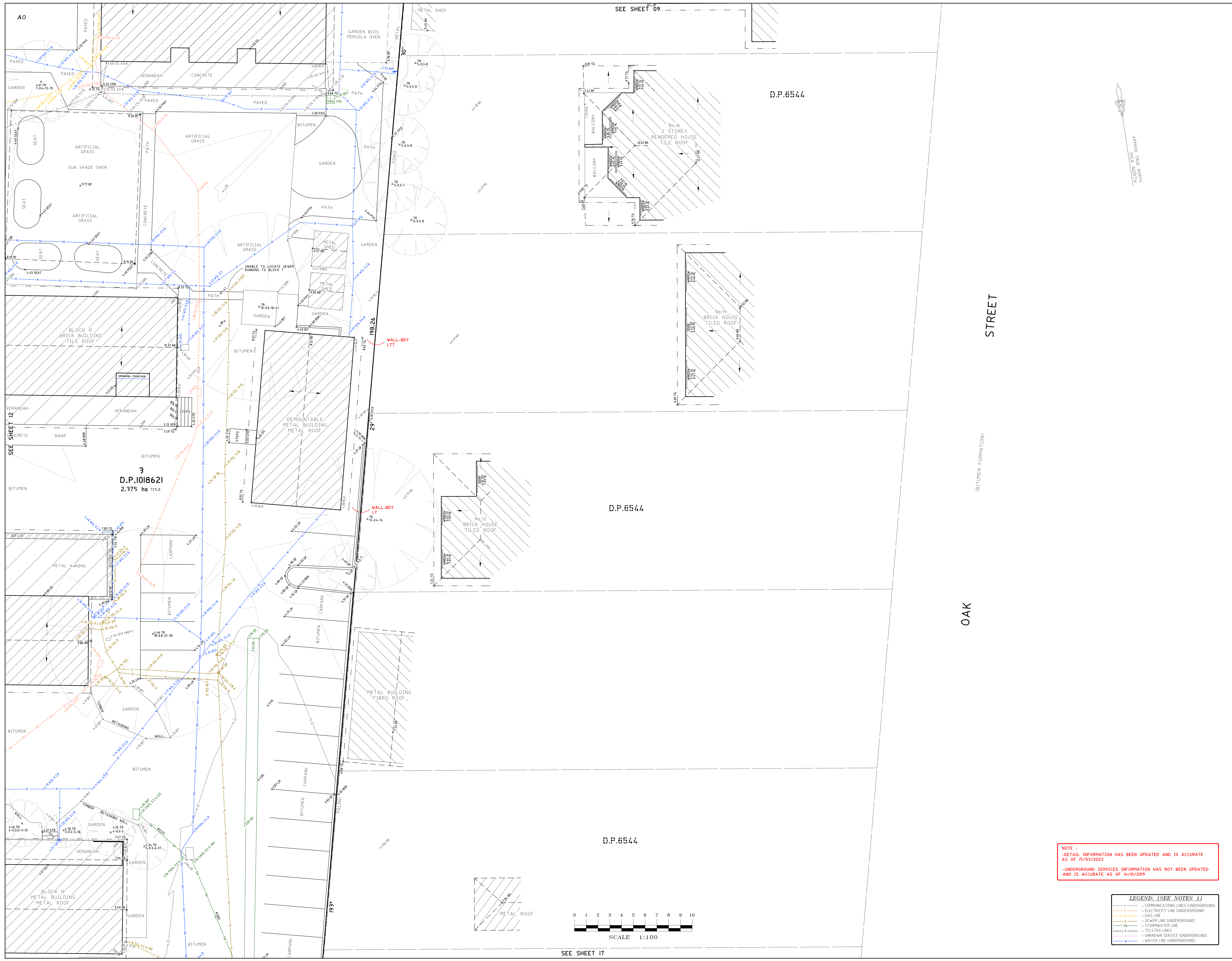
SEE SHEET 16

SEE SHEET 08

SEE SHEET II

SEE SHEET 13





**NOTES**

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- THIS NOTICE MUST NOT BE ERASED.

**LEGEND:**

AW	AWNING
BAL	BALCONY
BB	BOTTOM OF BANK
BBQ	BARBECUE
BIT	BITUMEN
BLD	EXTERNAL BUILDING
BOX	BACK OF KERB
BOL	BOLLARD
BR	BOTTOM RAIL
CH	CHIMNEY
CON	CONCRETE
CPT	COMMUNICATIONS PIT
CSL	COMMUNICATIONS SURFACE LEVEL
CUB	CUBBY HOUSE
DIS	DISH DRAIN
DM	DOWN PIPE
DS	DOOR SILL LEVEL
EK	ELECTRICITY KIOSK
EPIL	ELECTRICITY PILLAR
ESL	ELECTRICITY SURFACE LEVEL
FCE	FENCE
FHY	FIRE HYDRANT
GP	GAS CATHODIC PROTECTION
GP	GUTTER LEVEL
GPT	GAS PIT
GRT	GRATE
GSL	GAS SURFACE LEVEL
GVA	GAS VALVE
HYD	HYDRANT
IL	INVERT LEVEL
IP	INVERT LEVEL PIT
LAN	LANDING
LID	MISCELLANEOUS PIT LID
LIN	LEVEL
LIP	KERB LIP
LM	LINE MARKING
LP	LIGHT POLE
NS	NATURAL SURFACE
PAV	PAVING
PO	PIPE JOINT
PIT	TOP OF PIT
PM	PERMANENT SURVEY MARK
PTH	PATH
RA	RAILING
RF	TOP OF ROOF
RIP	RAMP
RR	ROOF RIDGE
SON	SION
SIP	SEWER INSPECTION PIT
SMP	SEWER MAN HOLE
SSE	SEWER SURFACE LEVEL
STR	STAIRS
SUB	ELECTRICITY SUBSTATION
SVA	STOP VALVE
SVE	SEWER VENT
SWSL	STORMWATER SURFACE LEVEL
TAP	TAP
TB	TOP OF BANK
TFCE	TOP OF FENCE
TG	TOP OF GUTTER
TIL	TILE
TLE	TREE LINE
TRIP	TRIP STRIP PIT
TR	TREE
TSL	TELESTR SURFACE LEVEL
TW	TOP OF WALL
UV	UNDERSIDE OF EAVE
USL	UNKNOWN SERVICE SURFACE LEVEL
VE	VEHICLE CROSSING
VER	VERANDAH
WE	WATER EDGE
WH	WATER METER
WPT	WATER PIT SPOT
WSL	WATER SURFACE LEVEL
WV	WATER VALVE

EDT = END OF TRACE  
 FOD = FULL OF DEBRIS  
 UTO = UNABLE TO OPEN  
 UTT = UNABLE TO TRACE  
 UTL = UNABLE TO LOCATE

**"FOR EXTRA NOTES SEE SHEET 1"**

**HORIZONTAL DATUM:**  
 CO-ORDINATE SYSTEM: MGA  
 MARKS ADOPTED: SSM 40541 & DP108621

**VERTICAL DATUM:**  
 DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
 B.M. ADOPTED: SSM 40541  
 R.L. 2.504 (ORDER L3)  
 SOURCE: S.C.I.M.S. (18/09/19)

NO.	DESCRIPTION	DATE
4	DETAIL UPDATED & BOUNDARY IDENT. UNDERGROUND SERVICES NOT UPDATED	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	18/10/19

**CLIENT:**  
 SCHOOLS INFRASTRUCTURE NSW  
 C/- JOHN STAFF, LEVEL 5,  
 9 CASTLEREAGH STREET,  
 SYDNEY NSW 2000

**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.1119562 NARRABEN EDUCATION PRECINCT, NARRABEN NSW 2101**

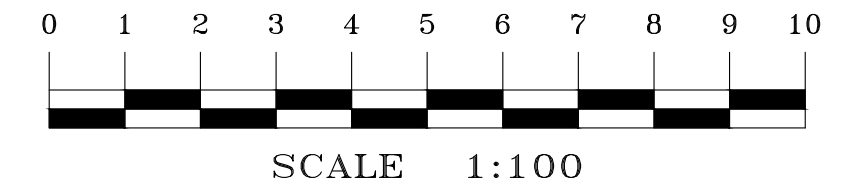
**C.M.S. Surveyors Pty Limited**  
 ACN: 096 240 201  
 PO Box 463 Dee Why NSW 2099  
 2/298 South Creek Road, Dee Why NSW 2099  
 Telephone: (02) 9971 4802  
 Facsimile: (02) 9971 4822  
 E-mail: info@cmsurveyors.com.au

LG: NORTHERN BEACHES	SHEET 13 OF 35		
SURVEYED	DRAWN	CHECKED	APPROVED
ME/BS/HC	GP/HC	ME/BS/HC	DR
SURVEY INSTRUCTION	SCALE	DATE OF SURVEY	
18830A	1:500 AS AD	14/10/2019	
DRAWING NAME	ISSUE		
18830detail	4		
CAD FILE			
18830detail_N.dwg			

**NOTE:**  
 -DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
 -UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019

**LEGEND: (SEE NOTES 1)**

—	COMMUNICATIONS LINES (UNDERGROUND)
—	ELECTRICITY LINE (UNDERGROUND)
—	GAS LINE
—	SEWER LINE (UNDERGROUND)
—	STORMWATER LINE
—	TELSTRA LINES
—	UNKNOWN SERVICE (UNDERGROUND)
—	WATER LINE (UNDERGROUND)



SEE SHEET 17



- NOTES**
- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN.
  - WALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION.
  - IF CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT.
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- BIT = BITUMEN
- BLD = EXTERNAL BUILDING
- BOK = BACK OF KERB
- BOL = BOLLARD
- BR = BRICK WALL
- CH = CHIMNEY
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- CPT = COMMUNICATIONS PIT
- CSL = COMMUNICATIONS SURFACE LEVEL
- CUB = CUBBY HOUSE
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- DM = DAM
- DMP = DOWN PIPE
- DS = DOOR SILL LEVEL
- EK = ELECTRICITY KIOSK
- EPIL = ELECTRICITY PILLAR
- EPIT = ELECTRICITY PIT
- ESL = ELECTRICITY SURFACE LEVEL
- FCE = FENCE
- FHY = FIRE HYDRANT
- FL = FLOOR LEVEL
- GCP = GAS CATHODIC PROTECTION
- GON = GARDEN
- GP = GUTTER LEVEL
- GRT = GRATE
- GSL = GAS SURFACE LEVEL
- GVA = GAS VALVE
- HID = HYDRANT
- IL = INVERT LEVEL
- IP = INVERT LEVEL PIT
- LAN = LANDING
- LID = MISCELLANEOUS PIT LID
- LIN = LEVEL
- LIP = KERB LIP
- LM = LINE MARKING
- LP = LIGHT POLE
- NS = NATURAL SURFACE
- PAV = PAVING
- POPE = PIPE OVER
- PIT = TOP OF PIT
- PM = PERMANENT SURVEY MARK
- PTH = PATH
- RA = RAILING
- RF = TOP OF ROOF
- RHP = RAMP
- RR = ROOF RIDGE
- SOM = SIGN
- SIP = SEWER INSPECTION PIT
- SMH = SEWER MAN HOLE
- SSE = SEWER SURFACE LEVEL
- STR = STAIRS
- SUB = ELECTRICITY SUBSTATION
- SVA = STOP VALVE
- SVE = SEWER VENT
- SWSL = STORMWATER SURFACE LEVEL
- TAP = TAP
- TB = TOP OF BANK
- TECE = TOP OF FENCE
- TG = TOP OF GUTTER
- TFL = TILE
- TLE = TREE LINE
- TRIPIT = TRIP PIT
- TR = TREE
- TSL = TELLTA SURFACE LEVEL
- TW = TOP OF WALL
- UEV = UNDERSIDE OF EAVE
- USL = UNKNOWN SERVICE SURFACE LEVEL
- VC = VEHICLE CROSSING
- VER = VERANDAH
- WH = WATER METER
- WHF = WATER FIT STOP
- WIL = WATER SURFACE LEVEL
- WV = WATER VALVE
- WV = WATER VALVE
- WV = WATER VALVE

EDT = END OF TRACE  
 FOD = FULL OF DEBRIS  
 UTO = UNABLE TO OPEN  
 UTT = UNABLE TO TRACE  
 UTL = UNABLE TO LOCATE

**"FOR EXTRA NOTES SEE SHEET 1"**

**HORIZONTAL DATUM:**  
 CO-ORDINATE SYSTEM: MGA  
 MARKS: ADOPTED: SSM 405M & DPO18621

**VERTICAL DATUM:**  
 DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
 B.M. ADOPTED: SSM 405M  
 R.L. 2.50m (ORDER L3)  
 SOURCE: S.C.I.M.S. (18/09/19)

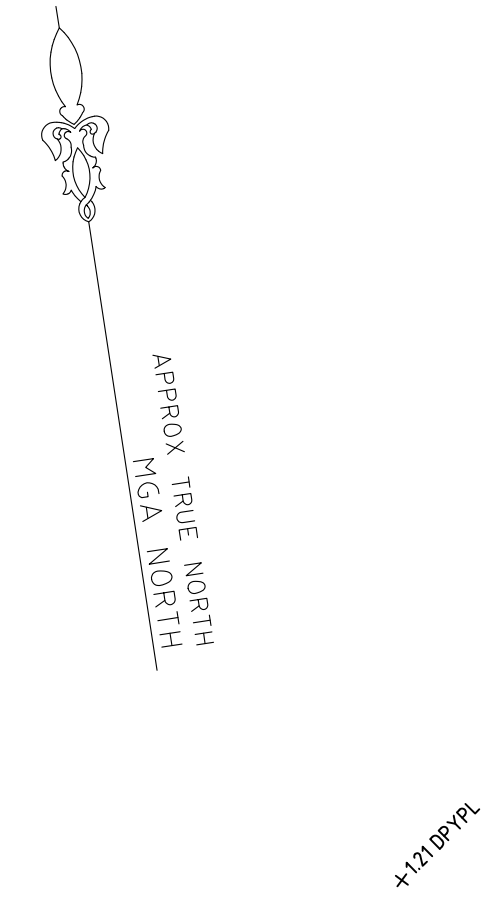
NO.	DESCRIPTION	DATE
4	DETAIL UPDATED & BOUNDARY IDENT, UNDERGROUND SERVICES NOT UPDATED	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	16/10/19

**CLIENT:**  
 SCHOOLS INFRASTRUCTURE NSW  
 C/- JOHN STAFF, LEVEL 5,  
 9 CASTLEREAGH STREET,  
 SYDNEY NSW 2000

**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.1119562 NARRABEN EDUCATION PRECINCT, NARRABEN NSW 2101**

**C.M.S. Surveyors Pty Limited**  
 ACN: 096 240 201  
 PO Box 463 Dee Why NSW 2099  
 2/298 South Creek Road, Dee Why NSW 2099  
 Telephone: (02) 9971 4800  
 Facsimile: (02) 9971 4822  
 E-mail: info@cmsurveyors.com.au

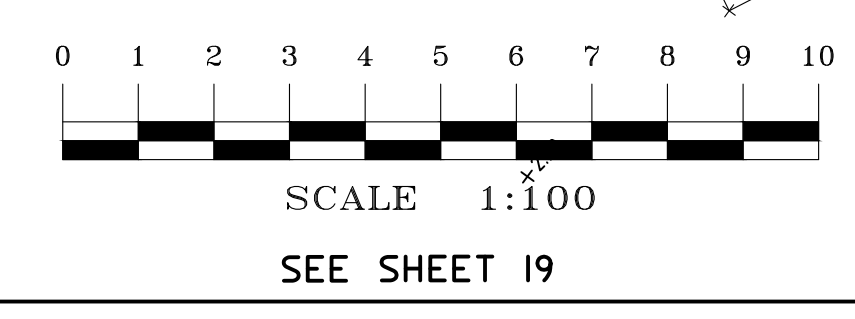
LG: NORTHERN BEACHES	SHEET 14	OF 35
SURVEYED ME/BS/HC	DRAWN GP/HC	CHECKED ME/BS/HC
APPROVED DR	DATE OF SURVEY	SCALE
18830detail	14/03/22	1:100
DRAWING NAME	ISSUE	
18830detail	4	



7075  
D.P.1051660

2  
D.P.1018621  
1,526 ha TITLE

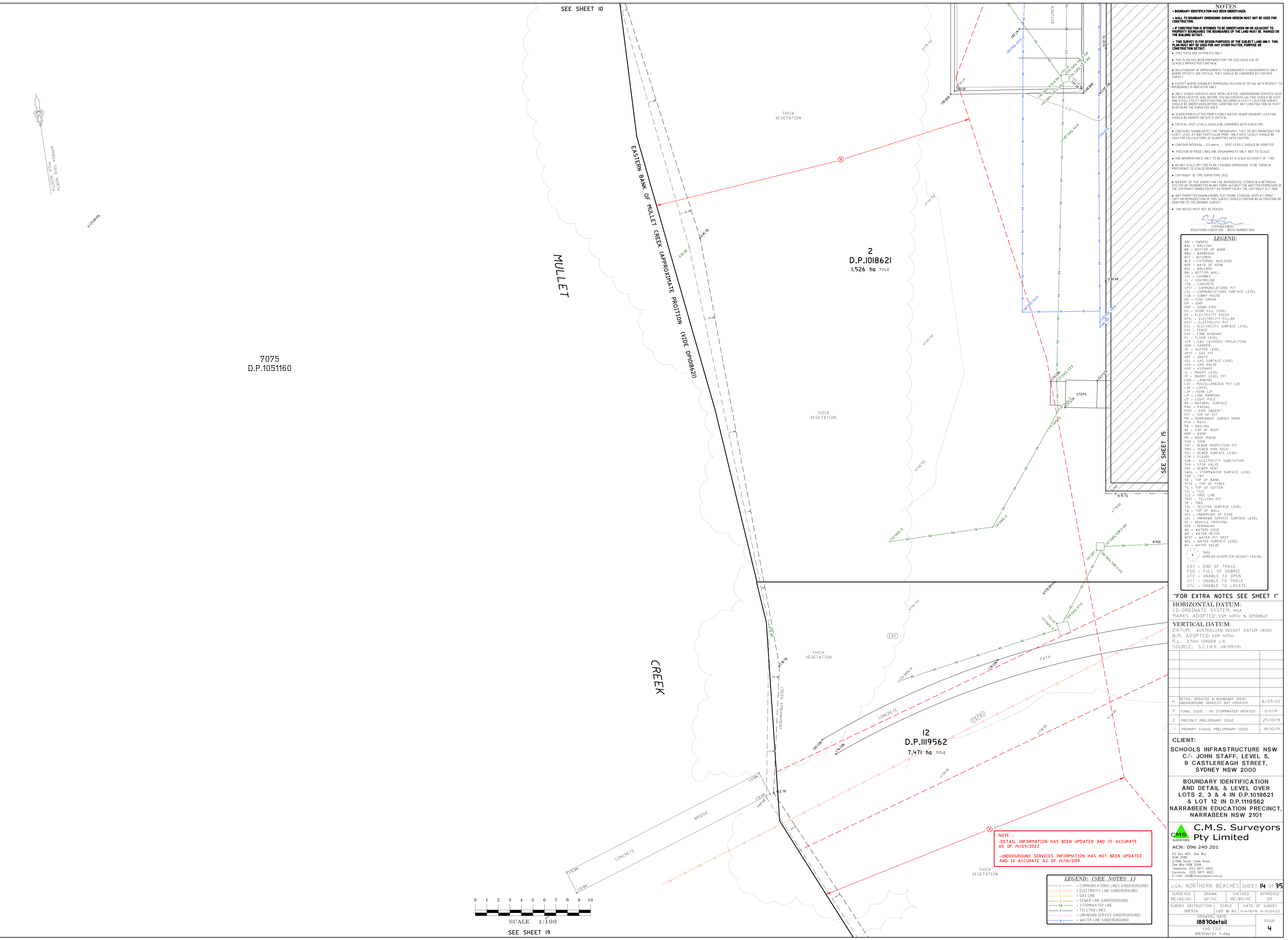
12  
D.P.1119562  
7,471 ha TITLE



**NOTE 1**  
 -DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
 -UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019

**LEGEND: (SEE NOTES 1)**

- COMMUNICATIONS LINES (UNDERGROUND)
- ELECTRICITY LINE (UNDERGROUND)
- GAS LINE
- SEWER LINE (UNDERGROUND)
- STORMWATER LINE
- TELEPHONE LINES
- UNKNOWN SERVICE (UNDERGROUND)
- WATER LINE (UNDERGROUND)





SEE SHEET II

- NOTES**
- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN
  - WALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION
  - IF CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT
  - THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS PLAN MUST NOT BE USED FOR ANY OTHER MATTER, PURPOSE OR CONSTRUCTION SETOUT.
  - TREE SIZES ARE ESTIMATES ONLY
  - THIS PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW
  - RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGRAMMATIC ONLY WHERE EFFECTS ARE CRITICAL, THEY SHOULD BE CONFIRMED BY FURTHER SURVEY
  - EXCEPT WHERE SHOWN BY DIMENSION LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATIVE ONLY
  - ONLY VISIBLE SERVICES HAVE BEEN LOCATED. UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. BAL BEFORE 700.00 SERVICES (IN 1000 SHOULD BE USED AND A FULL GROUND INVESTIGATION INCLUDING A UTILITY LOCATION SURVEY SHOULD BE UNDERTAKEN PRIOR TO CARRYING OUT ANY CONSTRUCTION ACTIVITY IN OR NEAR THE SURVEYED AREA
  - SEWER MAIN PLOTTED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION SHOULD BE MARKED ON SITE IF CRITICAL
  - CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR
  - CONTOURS SHOWN DEPict THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION
  - CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED
  - POSITION OF RIDGE LINES ARE DIAGRAMMATIC ONLY (NOT TO SCALE)
  - THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:500
  - DO NOT SCALE OFF THIS PLAN. FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALING DIMENSIONS
  - COPYRIGHT © CHS SURVEYORS 2022
  - NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER EXCEPT AS PERMITTED BY THE COPYRIGHT ACT 1969
  - ANY PERMITTED DOWN-LOADING, ELECTRONIC STORAGE, DISPLAY, PRINT, COPY OR REPRODUCTION OF THIS SURVEY SHOULD CONTAIN NO ALTERATION OR ADDITION TO THE ORIGINAL SURVEY
  - THIS NOTICE MUST NOT BE ERASD

**STEFAN THIBERTY**  
REGISTERED SURVEYOR ROSS NUMBER 105

- LEGEND:**
- AW = ANNING
  - BAL = BALCONY
  - BB = BENTON OF BANK
  - BBO = BARBECUE
  - BLD = EXTERNAL BUILDING
  - BOH = BACK OF KERB
  - BOL = BOLLARD
  - BP = BOTTOM WALL
  - CHI = CHIMNEY
  - CON = CONCRETE
  - CPT = COMMUNICATIONS PIT
  - CSL = COMMUNICATIONS SURFACE LEVEL
  - CUB = CUBBY HOUSE
  - DD = DISH DRAIN
  - DM = DAM
  - DNP = DOWN PIPE
  - DS = DOOR SILL LEVEL
  - EK = ELECTRICITY KIOSK
  - EPIL = ELECTRICITY PILLAR
  - EPIT = ELECTRICITY PIT
  - ESL = ELECTRICITY SURFACE LEVEL
  - FCE = FENCE
  - FHY = FIRE HYDRANT
  - FL = FLOOR LEVEL
  - GP = GAS CATHODIC PROTECTION
  - SON = GAS PIT
  - GP = GUTTER LEVEL
  - GPT = GAS PIT
  - GRT = GRATE
  - GSL = GAS SURFACE LEVEL
  - GVA = GAS VALVE
  - HYD = HYDRANT
  - IL = INVERT LEVEL
  - IP = INVERT LEVEL PIT
  - LAN = LANDING
  - LID = MISCELLANEOUS PIT LID
  - LIN = LEVEL
  - LIP = KERB LIP
  - LM = LINE MARKING
  - LP = LIGHT POLE
  - NS = NATURAL SURFACE
  - PAV = PAVING
  - PIPE = PIPE OVERLAP
  - PIT = TOP OF PIT
  - PM = PERMANENT SURVEY MARK
  - PTh = PATH
  - RA = RAILING
  - RF = TOP OF ROOF
  - RHP = RAMP
  - RR = ROOF RIDGE
  - SON = SON
  - SIP = SEWER INSPECTION PIT
  - SMH = SEWER MAIN HOLE
  - SRL = SEWER SURFACE LEVEL
  - STR = STAIRS
  - SUB = ELECTRICITY SUBSTATION
  - SVA = STOP VALVE
  - SVE = SEWER VENT
  - SWSL = STORMWATER SURFACE LEVEL
  - TAP = TAP
  - TB = TOP OF BANK
  - TFCE = TOP OF FENCE
  - TG = TOP OF GUTTER
  - TFL = TIE
  - TLE = TREE LINE
  - TMS = TREE SURFACE LEVEL
  - TR = TREE
  - TSL = TELESTR SURFACE LEVEL
  - TW = TOP OF WALL
  - UEV = UNDERSIDE OF EAVE
  - USL = UNKNOWN SERVICE SURFACE LEVEL
  - VEH = VEHICLE CROSSING
  - VER = VERANDAH
  - WH = WATER METER
  - WHT = WATER PIT DRY
  - WPSL = WATER SURFACE LEVEL
  - WV = WATER VALVE
  - TR = TREE
  - SPR = SPREAD-DIAMETER-HEIGHT-TAGNO.

"FOR EXTRA NOTES SEE SHEET 1"

**HORIZONTAL DATUM:**

COORDINATE SYSTEM: MGA

MARKS: ADOPTED: SSM 40541 & DP108621

**VERTICAL DATUM:**

DATUM: AUSTRALIAN HEIGHT DATUM (AHD)

B.M. ADOPTED: SSM 40541

R.L. 2.504 (ORDER L3)

SOURCE: S.C.I.M.S. (18/09/19)

4	DETAIL UPDATED & BOUNDARY IDENTIFICATION, UNDERGROUND SERVICES NOT UPDATED	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	18/10/19

**CLIENT:**  
SCHOOLS INFRASTRUCTURE NSW  
C/- JOHN STAFF, LEVEL 5,  
9 CASTLEREAGH STREET,  
SYDNEY NSW 2000

**BOUNDARY IDENTIFICATION  
AND DETAIL & LEVEL OVER  
LOTS 2, 3 & 4 IN D.P.1018621  
& LOT 12 IN D.P.1119562  
NARRABEN EDUCATION PRECINCT,  
NARRABEN NSW 2101**

**C.M.S. Pty Limited**  
C.M.S. SURVEYORS  
ACN: 096 240 201  
PO Box 463 Dee Why NSW 2099  
7/298 South Cross Road, Dee Why NSW 2099  
Telephone: (02) 9971 4822  
Facsimile: (02) 9971 4822  
E-mail: info@cmsurveyors.com.au

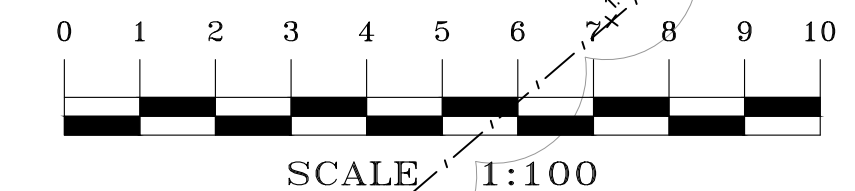
LGA: NORTHERN BEACHES		SHEET 15 OF 35	
SURVEYED	DRAWN	CHECKED	APPROVED
ME/BS/HC	GP/HC	ME/BS/HC	DR
SURVEY INSTRUCTION	SCALE	DATE OF SURVEY	
188704	1:500 @ AD	14-19/21/22	
DRAWING NAME	ISSUE		
188704detail	4		
CAD FILE			
188704detail.dwg			

NORTHERN BEACHES INDOOR SPORTS CENTRE  
METAL BUILDING  
METAL ROOF

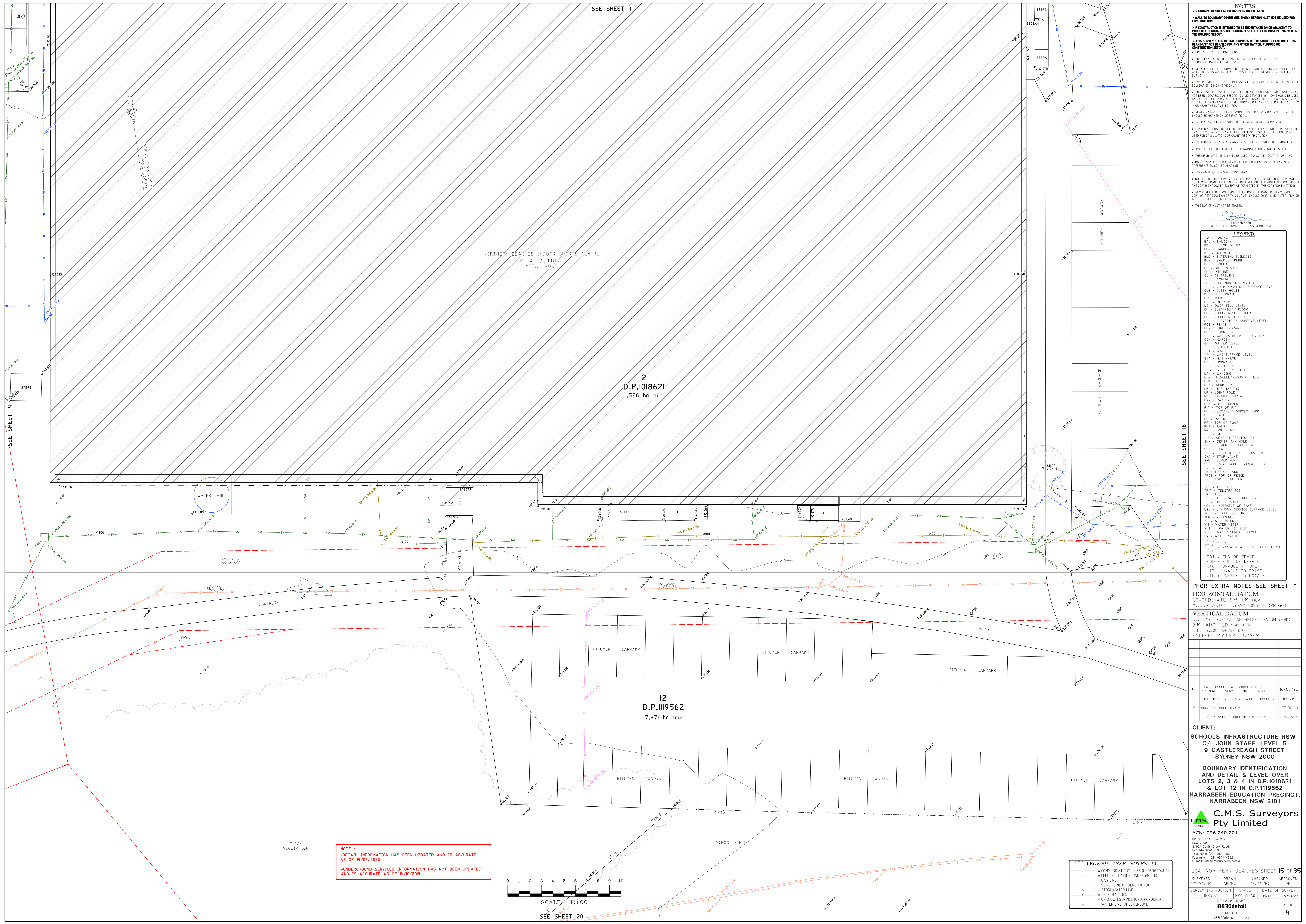
2  
D.P.1018621  
1.526 ha TITLE

12  
D.P.1119562  
7.471 ha TITLE

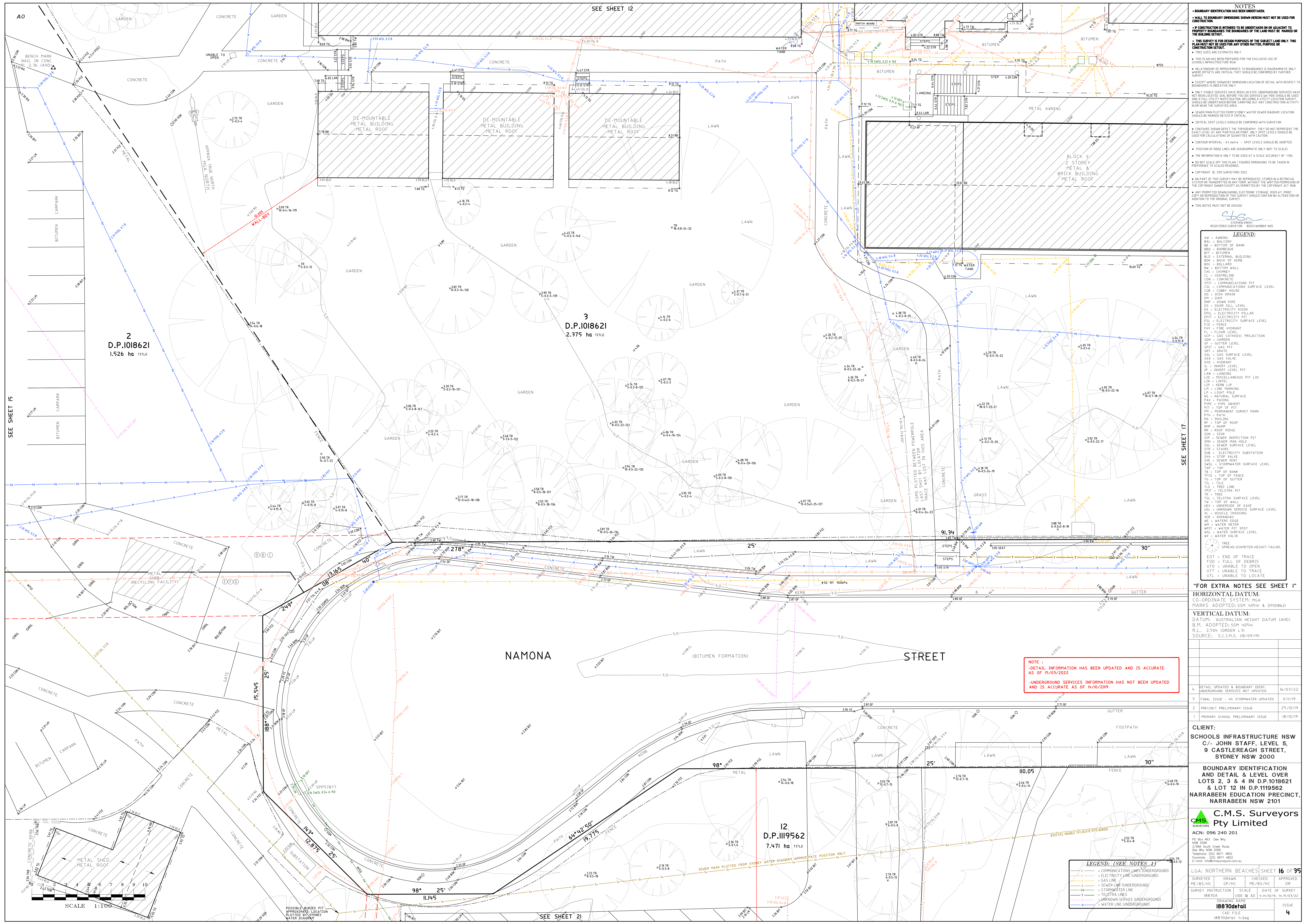
**NOTE :**  
-DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
-UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019



- LEGEND: (SEE NOTES 1)**
- = COMMUNICATIONS LINES (UNDERGROUND)
  - = ELECTRICITY LINE (UNDERGROUND)
  - = GAS LINE
  - = SEWER LINE (UNDERGROUND)
  - = STORMWATER LINE
  - = TELEPHONE LINES
  - = UNKNOWN SERVICE (UNDERGROUND)
  - = WATER LINE (UNDERGROUND)







**NOTES**

- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN.
- WALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION.
- CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES. THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT.
- THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS SURVEY MUST NOT BE USED FOR ANY OTHER MATTER, PURPOSE OR CONSTRUCTION SETOUT.
- TREE SIZES ARE ESTIMATES ONLY.
- THIS PLAN WAS PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW.
- RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGRAMMATIC ONLY. VISUAL EFFECTS ARE CRITICAL. THEY SHOULD BE CONFIRMED BY FURTHER SURVEY.
- EXCEPT WHERE SHOWN BY DIMENSION LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATED ONLY.
- ONLY VISIBLE SERVICES HAVE BEEN LOCATED. UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. DO NOT REMOVE ANY SERVICES. UNLOCATED SERVICES SHOULD BE LOCATED BY A QUALIFIED INVESTIGATOR. RELOCATE ANY LOCATED SERVICES IN OR NEAR THE SURVEYED AREA.
- SEWER MAIN PLOTTED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION VISIBILITY MARKED ON SITE BY CRITICAL.
- CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR.
- CONTOURS SHOWN DEPICT THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION.
- CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED.
- POSITION OF RIDGE LINES ARE DIAGRAMMATIC ONLY (NOT TO SCALE).
- THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:100.
- DO NOT SCALE OFF THIS PLAN. FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO DIMENSIONS.
- COPYRIGHT © C.M.S. SURVEYORS 2022.
- NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM, WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER AS PROVIDED BY THE COPYRIGHT ACT 1969.
- ANY PERMITTED DOWNLOADING, ELECTRONIC STORAGE, DISPLAY, PRINT, COPY OR REPRODUCTION OF THIS SURVEY SHOULD CONTAIN NO ALTERATION OR ADDITION TO THE ORIGINAL SURVEY.
- THIS NOTICE MUST NOT BE ERASED.

**LEGEND:**

AW	= AWNING
BAL	= BALCONY
BB	= BOTTOM OF BANK
BBQ	= BARBECUE
BIT	= BITUMEN
BOX	= BACK OF KERB
BOL	= BOLLARD
BU	= BUTTRESS WALL
CHI	= CHIMNEY
CON	= CONCRETE
CPT	= COMMUNICATIONS PIT
CSL	= COMMUNICATIONS SURFACE LEVEL
CUB	= CURB HOUSE
DD	= DISH DRAIN
DM	= DAM
DMP	= DOWN PIPE
DS	= DOOR SILL LEVEL
EX	= ELECTRICITY WISDOW
EPIL	= ELECTRICITY PILLAR
EPIT	= ELECTRICITY PIT
ESL	= ELECTRICITY SURFACE LEVEL
FCE	= FENCE
FHY	= FIRE HYDRANT
FL	= FLOOR LEVEL
GP	= GAS CATHODIC PROTECTION
LOC	= LOCATION
GU	= GUTTER LEVEL
GPIT	= GAS PIT
GRT	= GRATE
GSL	= GAS SURFACE LEVEL
GVA	= GAS VALVE
HYD	= HYDRANT
IL	= INVERT LEVEL
IP	= INVERT LEVEL PIT
LAN	= LANDING
LID	= MISCELLANEOUS PIT LID
LIN	= LINEN
LIP	= KERB LIP
LM	= LINE MARKING
LP	= LIGHT POLE
NS	= NATURAL SURFACE
PAV	= PAVING
PO	= POLE OVERSET
PIT	= TOP OF PIT
PM	= PERMANENT SURVEY MARK
PTH	= PATH
RA	= RAILING
RF	= TOP OF ROOF
RIP	= RAMP
RR	= ROOF RIDGE
SON	= SON
SIP	= SEWER INSPECTION PIT
SMH	= SEWER MAN HOLE
SLL	= SEWER SURFACE LEVEL
STR	= STAIRS
SUB	= ELECTRICITY SUBSTATION
SVA	= STOP VALVE
SVE	= SEWER VENT
SWSL	= STORMWATER SURFACE LEVEL
TAP	= TOP OF BANK
TEC	= TOP OF FENCE
TG	= TOP OF GUTTER
TFL	= FILE
TLE	= TREE LINE
TPT	= TELSTRA PIT
TR	= TREE
TSL	= TELSTRA SURFACE LEVEL
TW	= TOP OF WALL
UE	= UNDERSIDE OF EASE
USL	= UNKNOWN SERVICE SURFACE LEVEL
VE	= VEHICLE CROSSING
VER	= VERANDAH
WH	= WATER METER
WHT	= WATER PIT SPOT
WSL	= WATER SURFACE LEVEL
WV	= WATER VALVE
TR	= TREE
END	= END OF TRACE
FOD	= FULL OF DEBRIS
UTO	= UNABLE TO OPEN
UTL	= UNABLE TO TRACE
UTL	= UNABLE TO LOCATE

"FOR EXTRA NOTES SEE SHEET 1"

**HORIZONTAL DATUM:**  
 CO-ORDINATE SYSTEM: MGA  
 MARKS: ADOPTED: SSM 405M & DP108621

**VERTICAL DATUM:**  
 DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
 B.M. ADOPTED: SSM 405M  
 R.L. 2.50M (ORDER L3)  
 SOURCE: S.C.I.M.S. (18/09/19)

4	DETAIL UPDATED & BOUNDARY IDENT.	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	18/10/19

**CLIENT:**  
 SCHOOLS INFRASTRUCTURE NSW  
 C/- JOHN STAFF, LEVEL 5,  
 9 CASTLEREAFF STREET,  
 SYDNEY NSW 2000

**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.1119562**  
 NARRABEN EDUCATION PRECINCT,  
 NARRABEN NSW 2101

**C.M.S. Surveyors Pty Limited**  
 ACN: 096 240 201  
 PO Box 463 Dee Why NSW 2099  
 2/298 South Creek Road, Dee Why NSW 2099  
 Telephone: (02) 9971 4802  
 Facsimile: (02) 9971 4822  
 E-mail: info@cmsurveyors.com.au

LGA: NORTHERN BEACHES SHEET 16 OF 35

SURVEYED	DRAWN	CHECKED	APPROVED
ME/BS/HC	GP/HC	ME/BS/HC	DR

SURVEY INSTRUCTION: SCALE: DATE OF SURVEY: 18890A: 1:100: 14/10/19: 14/10/19

DRAWING NAME: 18890detail ISSUE: 4

**NOTE:**  
 -DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
 -UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019

**LEGEND: (SEE NOTES 1)**

—	= COMMUNICATIONS LINES (UNDERGROUND)
—	= ELECTRICITY LINE (UNDERGROUND)
—	= GAS LINE
—	= SEWER LINE (UNDERGROUND)
—	= STORMWATER LINE
—	= TELESTRA LINES
—	= UNKNOWN SERVICE (UNDERGROUND)
—	= WATER LINE (UNDERGROUND)

SEE SHEET 15

SEE SHEET 12

SEE SHEET 17

SEE SHEET 21

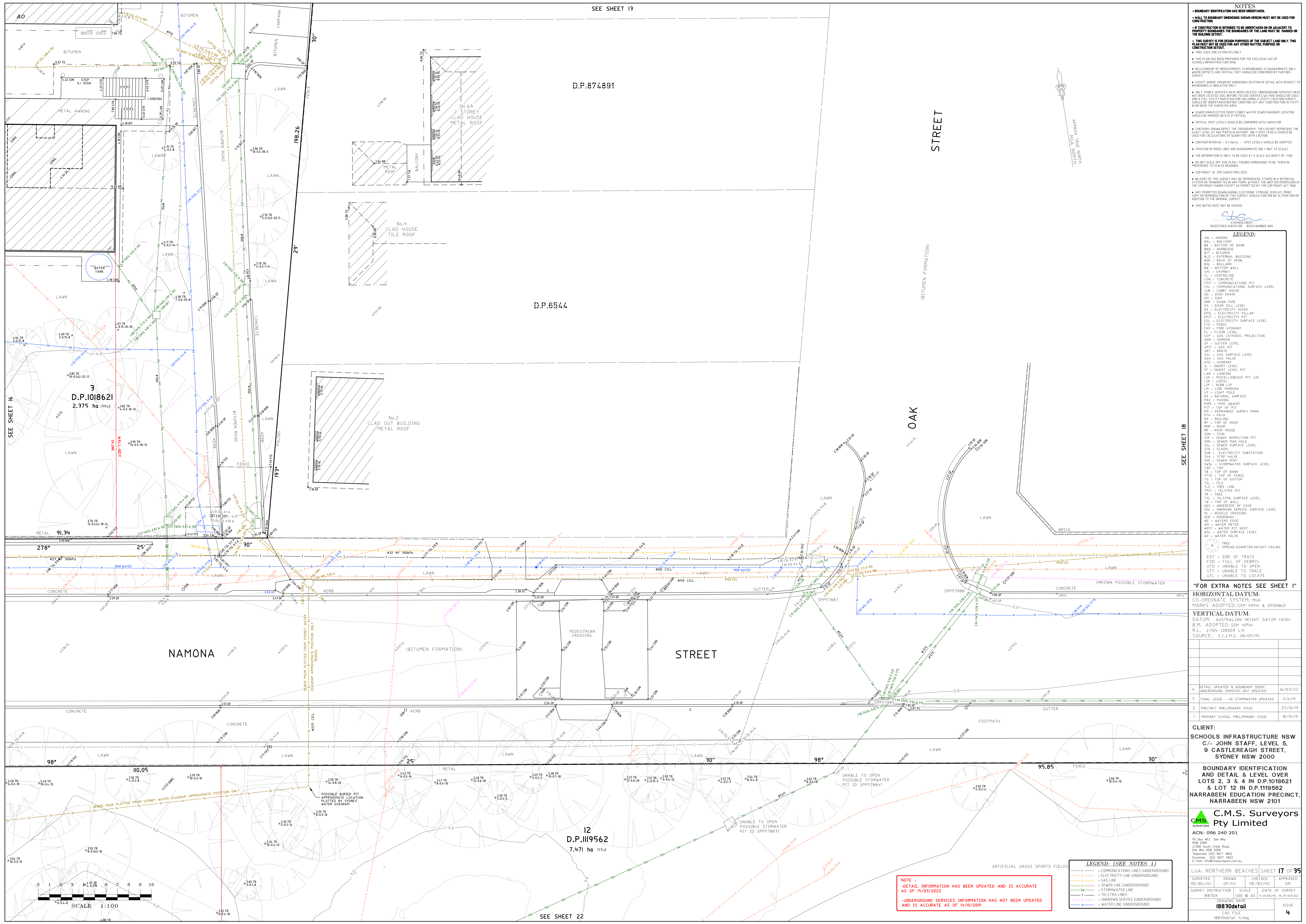
2  
 D.P.1018621  
 1.526 ha TITLE

3  
 D.P.1018621  
 2.375 ha TITLE

12  
 D.P.1119562  
 7.471 ha TITLE

SCALE 1:100





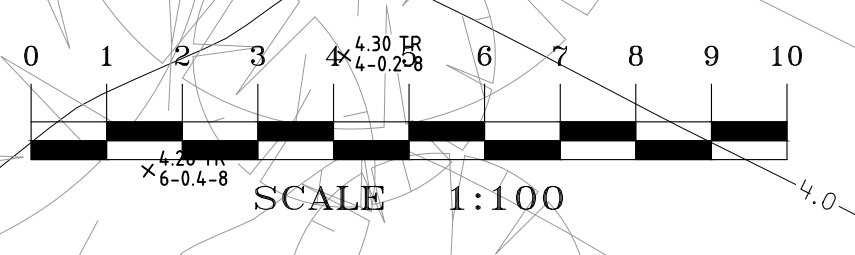
SEE SHEET 13

D.P.874891

D.P.6544

D.P.1018621  
2.375 ha TITLE

12  
D.P.119562  
7.471 ha TITLE



**LEGEND: (SEE NOTES 1)**

(---)	COMMUNICATIONS LINES (UNDERGROUND)
(---)	ELECTRICITY LINES (UNDERGROUND)
(---)	GAS LINES
(---)	SEWER LINES (UNDERGROUND)
(---)	STORMWATER LINES
(---)	TELEPHONE LINES
(---)	UNKNOWN SERVICE (UNDERGROUND)
(---)	WATER LINES (UNDERGROUND)

**NOTE:**  
-DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
-UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019

- NOTES**
- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN.
  - WALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION.
  - IF CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT.
  - THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS PLAN MUST NOT BE USED FOR ANY OTHER MATTER, PURPOSE OR CONSTRUCTION SETOUT.
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  - THIS PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW.
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  - EXCEPT WHERE SHOWN BY DIMENSION LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATIVE ONLY.
  - ONLY VISIBLE SERVICES HAVE BEEN LOCATED. UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. BAL BEFORE 2005 SERVICES (IN 1000 SHOULD BE USED AND A FULL SCALE INVESTIGATION INCLUDING A UTILITY LOCATION SURVEY SHOULD BE UNDERTAKEN PRIOR TO ANY CONSTRUCTION ACTIVITY IN OR NEAR THE SURVEYED AREA.
  - SEWER MAIN PLOTTED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION SHOULD BE MARKED ON SITE AS CRITICAL.
  - CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR.
  - CONTOURS SHOWN DEPICT THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION.
  - CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED.
  - POSITION OF RIDGE LINES ARE DIAGRAMMATIC ONLY (NOT TO SCALE).
  - THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:100.
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  - COPYRIGHT © CHS SURVEYORS 2022.
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  - ANY PERMITTED DOWNLOADING, ELECTRONIC STORAGE, DISPLAY, PRINT, COPY OR REPRODUCTION OF THIS SURVEY SHOULD CONTAIN NO ALTERATION OR ADDITION TO THE ORIGINAL SURVEY.
  - THIS NOTICE MUST NOT BE ERASED.

STEPHEN DREYER  
REGISTERED SURVEYOR - NO. 100819

**LEGEND:**

AW	AWNING
BAL	BALCONY
BB	BOTTOM OF BANK
BBQ	BARBECUE
BLD	EXTERNAL BUILDING
BOX	BACK OF KERB
BOL	BOLLARD
BR	BOTTOM RAIL
CHI	CHIMNEY
CON	CONCRETE
CPT	COMMUNICATIONS PIT
CSL	COMMUNICATIONS SURFACE LEVEL
CUB	CUBBY HOUSE
DD	DISH DRAIN
DM	DAH
DMP	DOWN PIPE
DS	DOOR SILL LEVEL
EK	ELECTRICITY KIOSK
EPIL	ELECTRICITY PILLAR
EPIT	ELECTRICITY PIT
ESL	ELECTRICITY SURFACE LEVEL
FCE	FENCE
FHY	FIRE HYDRANT
FL	FLOOR LEVEL
GP	GAS CATHODIC PROTECTION
SON	GARDEN
GP	GUTTER LEVEL
GPT	GAS PIT
GRT	GRATE
GSL	GAS SURFACE LEVEL
GVA	GAS VALVE
HYD	HYDRANT
IL	INVERT LEVEL
IP	INVERT LEVEL PIT
LAN	LANDING
LID	MISCELLANEOUS PIT LID
LIN	LEVEL
LIP	KERB LIP
LM	LINE MARKING
LP	LIGHT POLE
NS	NATURAL SURFACE
PAV	PAVING
PIPE	PIPE OVERLIFT
PIT	TOP OF PIT
PM	PERMANENT SURVEY MARK
PTH	PATH
RA	RAILING
RF	TOP OF ROOF
RMP	RAMP
RR	ROOF RIDGE
SON	SOON
SIP	SEWER INSPECTION PIT
SMP	SEWER MAIN HOLE
SLL	SEWER SURFACE LEVEL
STR	STAIRS
SUB	ELECTRICITY SUBSTATION
SVA	STOP VALVE
SVE	SEWER VENT
SWSL	STORMWATER SURFACE LEVEL
TAP	TAP
TB	TOP OF BANK
TFCE	TOP OF FENCE
TG	TOP OF GUTTER
TFL	FILE
TLE	TREE LINE
TRPT	TELESTRAP PIT
TR	TREE
TSL	TELESTRAP SURFACE LEVEL
TW	TOP OF WALL
UEV	UNDERSIDE OF EAVE
USL	UNKNOWN SERVICE SURFACE LEVEL
VE	VEHICLE CROSSING
VER	VERANDAH
WE	WATER EDGE
WH	WATER METER
WPT	WATER PIT SPOT
WSL	WATER SURFACE LEVEL
WV	WATER VALVE
---	TREE
---	SPOT-DIAMETER-HEIGHT-TAGNO.

"FOR EXTRA NOTES SEE SHEET 1"

**HORIZONTAL DATUM:**  
CGI-GRID/INSTRUMENT SYSTEM: MGA  
MARKS ADOPTED: SSM 4054I & DP1018621

**VERTICAL DATUM:**  
DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
B.M. ADOPTED: SSM 4054I  
R.L. 2.50M (ORDER L3)  
SOURCE: S.C.I.M.S. (18/09/19)

NO.	DESCRIPTION	DATE
4	DETAIL UPDATED & BOUNDARY IDENTIFICATION	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	16/10/19

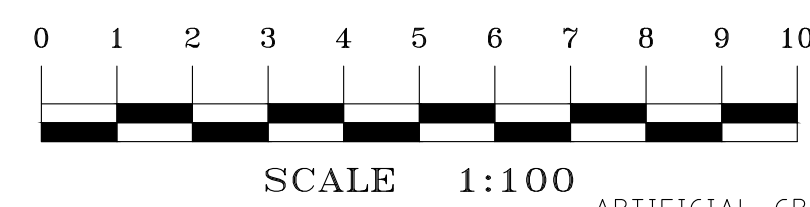
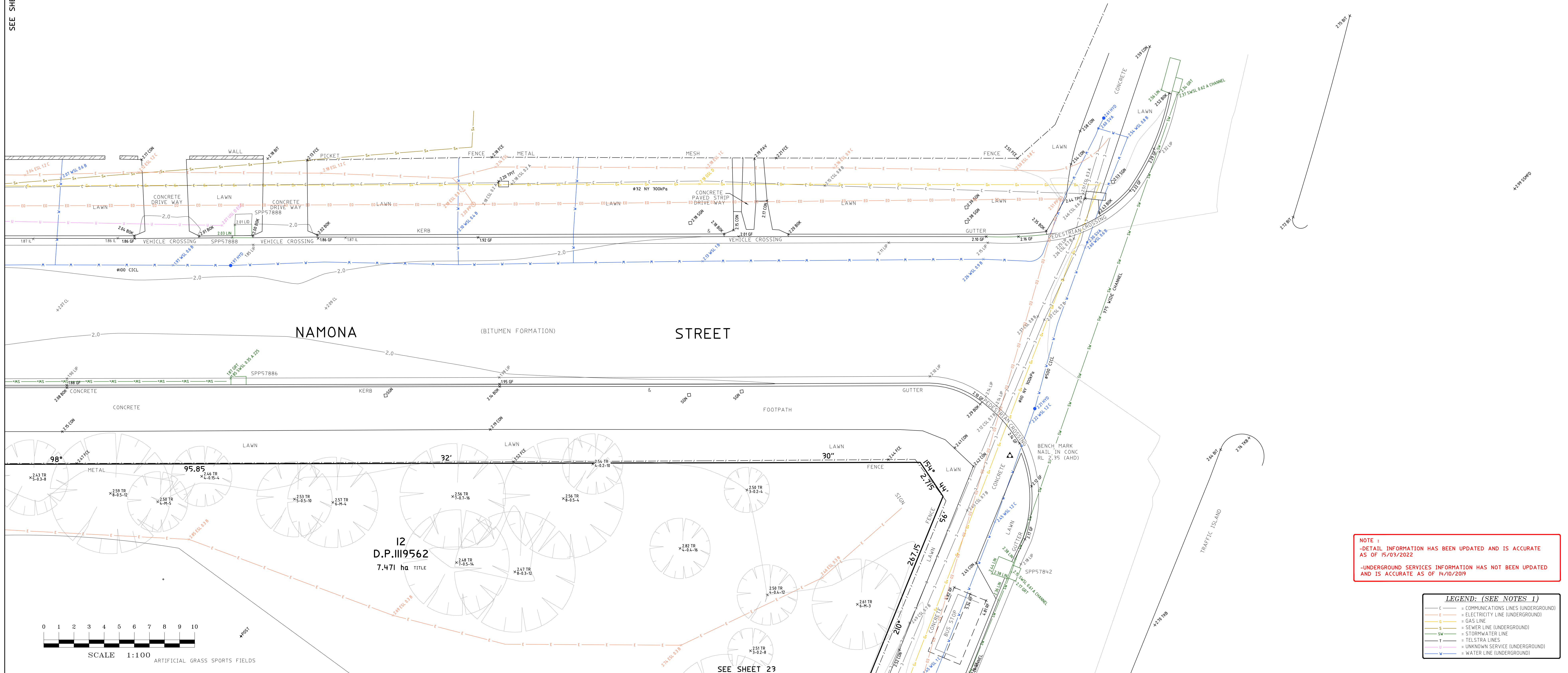
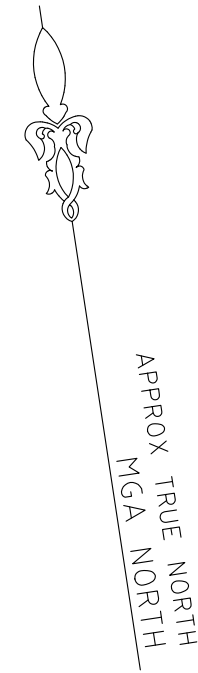
**CLIENT:**  
SCHOOLS INFRASTRUCTURE NSW  
C/- JOHN STAFF, LEVEL 5,  
9 CASTLEREAGH STREET,  
SYDNEY NSW 2000

**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 112 IN D.P.119562**  
NARRABEN EDUCATION PRECINCT,  
NARRABEN NSW 2101

**C.M.S. Surveyors Pty Limited**  
ACN: 096 240 201  
PO Box 463 Dee Why NSW 2099  
2/298 South Creek Road, Dee Why NSW 2099  
Telephone: (02) 9971 4800  
Facsimile: (02) 9971 4822  
E-mail: info@cmsurveyors.com.au

LGA: NORTHERN BEACHES SHEET 17 OF 35			
SURVEYED	DRAWN	CHECKED	APPROVED
ME/BS/HC	GP/HC	ME/BS/HC	DR
SURVEY INSTRUCTION	SCALE	DATE OF SURVEY	
18870A	1:100 AS AD	14/10/2019	
DRAWING NAME	ISSUE		
18870detail	4		
CAD FILE			
18870detail_n.dwg			





SCALE 1:100

ARTIFICIAL GRASS SPORTS FIELDS

SEE SHEET 23

**LEGEND: (SEE NOTES 1)**

(Symbol)	= COMMUNICATIONS LINES (UNDERGROUND)
(Symbol)	= ELECTRICITY LINES (UNDERGROUND)
(Symbol)	= GAS LINE
(Symbol)	= SEWER LINE (UNDERGROUND)
(Symbol)	= STORMWATER LINE
(Symbol)	= TELEPHONE LINES
(Symbol)	= UNKNOWN SERVICE (UNDERGROUND)
(Symbol)	= WATER LINE (UNDERGROUND)

- NOTES**
- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN.
  - WALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION.
  - IF CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT.
  - THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS PLAN MUST NOT BE USED FOR ANY OTHER MATTER, PURPOSE OR CONSTRUCTION SETOUT.
  - TREE SIZES ARE ESTIMATES ONLY.
  - THIS PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW.
  - RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGNOSTIC ONLY. WHERE EFFECTS ARE CRITICAL, THEY SHOULD BE CONFIRMED BY FURTHER SURVEY.
  - EXCEPT WHERE SHOWN BY DIMENSION LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATIVE ONLY.
  - ONLY VISIBLE SERVICES HAVE BEEN LOCATED. UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. DIAL BEFORE YOU DIG SERVICES (96-1000) SHOULD BE USED AND A SOIL RESISTANCE INVESTIGATION, INCLUDING A UTILITY LOCATION SURVEY, SHOULD BE UNDERTAKEN WITH CARE BEFORE CARRYING OUT ANY CONSTRUCTION ACTIVITY IN OR NEAR THE SURVEYED AREA.
  - SEWER MAIN PLOTTED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION SHOULD BE MARKED ON SITE AS CRITICAL.
  - CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR.
  - CONTOURS SHOWN DEPict THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION.
  - CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED.
  - POSITION OF RIDGE LINES ARE DIAGNOSTIC ONLY (NOT TO SCALE).
  - THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:50.
  - DO NOT SCALE OFF THIS PLAN. FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.
  - COPYRIGHT © CHS SURVEYORS 2022.
  - NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM, WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER EXCEPT AS PERMITTED BY THE COPYRIGHT ACT 1964.
  - ANY PERMITTED DOWNLOADING, ELECTRONIC STORAGE, DISPLAY, PRINT, COPY OR REPRODUCTION OF THIS SURVEY SHOULD CONTAIN NO ALTERATION OR ADDITION TO THE ORIGINAL SURVEY.
  - THIS NOTICE MUST NOT BE ERASED.

**STEPHEN DREYER**  
REGISTERED SURVEYOR - BOSS NUMBER 1405

**LEGEND:**

AW	= AWNING
BAL	= BALCONY
BB	= BOTTOM OF BANK
BBQ	= BARBECUE
BT	= BACK OF TYPED
BLD	= EXTERNAL BUILDING
BOX	= BACK OF KERB
BOL	= BOLLARD
BR	= BOTTOM WALL
CHI	= CHIMNEY
CON	= CONCRETE
CPIT	= COMMUNICATIONS PIT
CSL	= COMMUNICATIONS SURFACE LEVEL
CUB	= CUBBY HOUSE
DD	= DISH DRAIN
DM	= DAM
DMP	= DOWN PIPE
DS	= DOOR SILL LEVEL
EK	= ELECTRICITY KIOSK
EPIL	= ELECTRICITY PILLAR
EPIT	= ELECTRICITY PIT
ESL	= ELECTRICITY SURFACE LEVEL
FCE	= FENCE
FHY	= FIRE HYDRANT
FL	= FLOOR LEVEL
GCP	= GAS CATHODIC PROTECTION
GON	= GARDEN
GP	= GUTTER LEVEL
GPT	= GAS PIT
GRT	= GRATE
GSL	= GAS SURFACE LEVEL
GVA	= GAS VALVE
HYD	= HYDRANT
IL	= INVERT LEVEL
IP	= INVERT LEVEL PIT
LAN	= LANDING
LID	= MISCELLANEOUS PIT LID
LIN	= LEVEL
LIP	= KERB LIP
LM	= LINE MARKING
LP	= LIGHT POLE
NS	= NATURAL SURFACE
PAV	= PAVING
POPE	= PIPE JOINT
PIT	= TOP OF PIT
PM	= PERMANENT SURVEY MARK
PTH	= PATH
RA	= RAILING
RF	= TOP OF ROOF
RHP	= RAMP
RR	= ROOF RIDGE
SON	= SIGN
SIP	= SEWER INSPECTION PIT
SMP	= SEWER MAN HOLE
SLL	= SEWER SURFACE LEVEL
STR	= STAIRS
SUB	= ELECTRICITY SUBSTATION
SVA	= STOP VALVE
SVE	= SEWER VENT
SWSL	= STORMWATER SURFACE LEVEL
TAP	= TAP
TB	= TOP OF BANK
TFC	= TOP OF FENCE
TG	= TOP OF GUTTER
TIL	= TILE
TLE	= TREE LINE
TPIT	= TELSTRA PIT
TR	= TREE
TSL	= TELESTRA SURFACE LEVEL
TW	= TOP OF WALL
UV	= UNDERSIDE OF EAVE
USL	= UNKNOWN SERVICE SURFACE LEVEL
VC	= VEHICLE CROSSING
VER	= VERANDAH
WH	= WATER METER
WHF	= WATER PIT SPOT
WSL	= WATER SURFACE LEVEL
WV	= WATER VALVE
TR	= TREE
(Symbol)	= SPREAD-DIAMETER-HEIGHT-TAGNO.
EDT	= END OF TRACE
FOD	= FULL OF DEBRIS
UTO	= UNABLE TO OPEN
UTT	= UNABLE TO TRACE
UTL	= UNABLE TO LOCATE

"FOR EXTRA NOTES SEE SHEET 1"

**HORIZONTAL DATUM:**  
COORDINATE SYSTEM: MGA  
MARKS: ADOPTED: SSM 40541 & DPID0621

**VERTICAL DATUM:**  
DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
B.M. ADOPTED: SSM 40541  
R.L. 2.50m (ORDER L3)  
SOURCE: S.C.I.M.S. (18/09/19)

NO.	DESCRIPTION	DATE
4	DETAIL UPDATED & BOUNDARY IDENT. UNDERGROUND SERVICES NOT UPDATED	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	18/10/19

**CLIENT:**  
SCHOOLS INFRASTRUCTURE NSW  
C/- JOHN STAFF, LEVEL 5,  
9 CASTLEREAGH STREET,  
SYDNEY NSW 2000

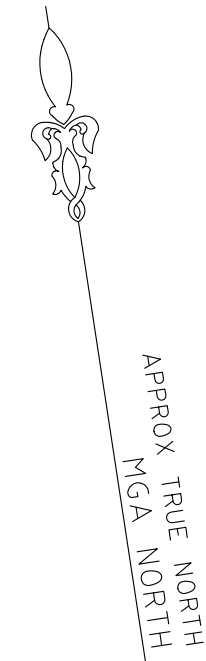
**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.1119562**  
NARRABEN EDUCATION PRECINCT,  
NARRABEN NSW 2101

**C.M.S. Surveyors Pty Limited**  
ACN: 096 240 201  
PO Box 463 Dee Why NSW 2099  
2/298 South Creek Road, Dee Why NSW 2099  
Telephone: (02) 9971 4802  
Facsimile: (02) 9971 4822  
E-mail: info@cmsurveyors.com.au

LG: NORTHERN BEACHES	SHEET 18 OF 35		
SURVEYED	DRAWN	CHECKED	APPROVED
ME/BS/HC	GP/HC	ME/BS/HC	DR
SURVEY INSTRUCTION	SCALE	DATE OF SURVEY	
18830A	1:50 AD	4/11/2019	14/10/2022
DRAWING NAME	ISSUE		
18830detail	4		
CAD FILE			
18830detail_4.dwg			

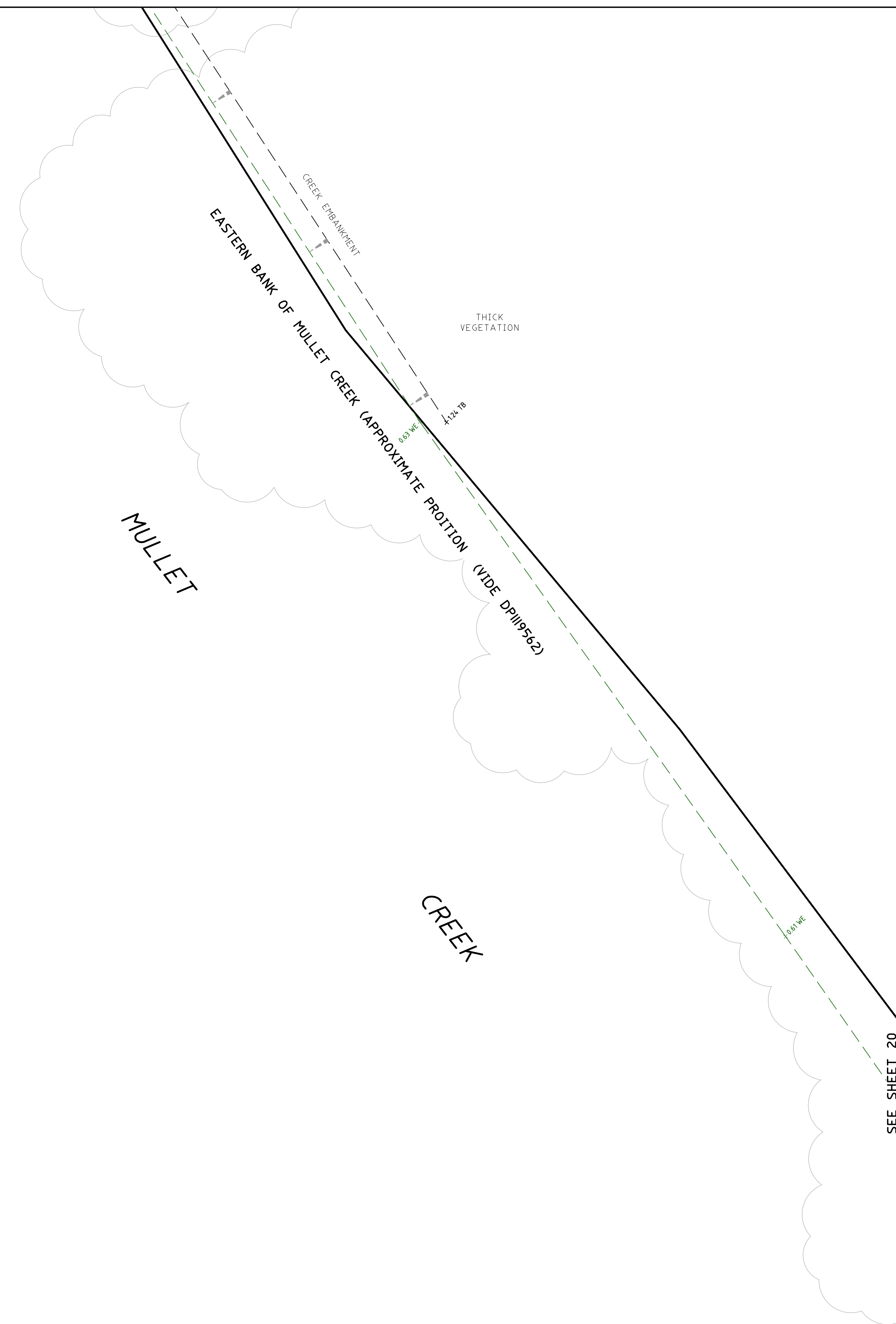
**NOTE 1**  
-DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
-UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019





7875

D.P.1051160



SEE SHEET 20

- NOTES**
- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN.
  - WALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION.
  - IF CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT.
  - THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS PLAN MUST NOT BE USED FOR ANY OTHER MATTER, PURPOSE OR CONSTRUCTION SETOUT.
  - TREE SIZES ARE ESTIMATES ONLY.
  - THIS PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW.
  - RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGNOSTIC ONLY WHERE EFFECTS ARE CRITICAL THEY SHOULD BE CONFIRMED BY FURTHER SURVEY.
  - EXCEPT WHERE SHOWN BY DIMENSION LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATIVE ONLY.
  - ONLY VISIBLE SERVICES HAVE BEEN LOCATED. UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. BAL BEFORE 7000, DOG SERVICES (IN 1000) SHOULD BE USED AND A SOIL RESISTANT INVESTIGATION, INCLUDING A UTILITY LOCATION SURVEY, SHOULD BE UNDERTAKEN BEFORE CARRYING OUT ANY CONSTRUCTION ACTIVITY IN OR NEAR THE SURVEYED AREA.
  - SEWER MAIN PLOTTED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION SHOULD BE MARKED ON SITE AS CRITICAL.
  - CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR.
  - CONTOURS SHOWN DEPICT THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION.
  - CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED.
  - POSITION OF RIDGE LINES ARE DIAGNOSTIC ONLY (NOT TO SCALE).
  - THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:500.
  - DO NOT SCALE OFF THIS PLAN / FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.
  - COPYRIGHT © CHS SURVEYORS 2022.
  - NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM, WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER EXCEPT AS PERMITTED BY THE COPYRIGHT ACT 1969.
  - ANY PERMITTED DOWNLOADING, ELECTRONIC STORAGE, DISPLAY, PRINT, COPY OR REPRODUCTION OF THIS SURVEY SHOULD CONTAIN NO ALTERATION OR ADDITION TO THE ORIGINAL SURVEY.
  - THIS NOTICE MUST NOT BE ERASED.

REGISTERED SURVEYOR BOSS NUMBER 1405

- LEGEND:**
- AW = AWNING
  - BAL = BALCONY
  - BB = BOTTOM OF BANK
  - BBQ = BARBECUE
  - BT = BUTTRESS
  - BLD = EXTERNAL BUILDING
  - BOX = BACK OF KERB
  - BOL = BOLLARD
  - BR = BOTTOM RAIL
  - CHI = CHIMNEY
  - CL = CENTRELINE
  - CON = CONCRETE
  - CPT = COMMUNICATIONS PIT
  - CSL = COMMUNICATIONS SURFACE LEVEL
  - CUB = CUBBY HOUSE
  - DD = DISH DRAIN
  - DM = DAM
  - DMP = DOWN PIPE
  - DS = DOOR SILL LEVEL
  - EK = ELECTRICITY KIOSK
  - EPIL = ELECTRICITY PILLAR
  - EPIT = ELECTRICITY PIT
  - ESL = ELECTRICITY SURFACE LEVEL
  - FCE = FENCE
  - FHY = FIRE HYDRANT
  - FL = FLOOR LEVEL
  - GCP = GAS CATHODIC PROTECTION
  - SON = GARDEN
  - GP = GUTTER LEVEL
  - GPT = GAS PIT
  - GRT = GRATE
  - GSL = GAS SURFACE LEVEL
  - GVA = GAS VALVE
  - HYD = HYDRANT
  - IL = INLET LEVEL
  - IP = INVERT LEVEL PIT
  - LAN = LANDING
  - LID = MISCELLANEOUS PIT LID
  - LIN = LEVEL
  - LIP = KERB LIP
  - LM = LINE MARKING
  - LP = LIGHT POLE
  - NS = NATURAL SURFACE
  - PAY = PAVING
  - PIP = PIPE OVER
  - PIT = TOP OF PIT
  - PM = PERMANENT SURVEY MARK
  - PTH = PATH
  - RA = RAILING
  - RF = TOP OF ROOF
  - RHP = RAMP
  - RR = ROOF RIDGE
  - SON = SIGN
  - SIP = SEWER INSPECTION PIT
  - SMH = SEWER MAN HOLE
  - SLL = SEWER SURFACE LEVEL
  - STR = STAIRS
  - SUB = ELECTRICITY SUBSTATION
  - SVA = STOP VALVE
  - SVE = SEWER VENT
  - SWSL = STORMWATER SURFACE LEVEL
  - TAP = TAP
  - TB = TOP OF BANK
  - TECE = TOP OF FENCE
  - TG = TOP OF GUTTER
  - TFL = TILE
  - TLE = TREE LINE
  - TRPT = TELETRA PIT
  - TR = TREE
  - TSL = TELETRA SURFACE LEVEL
  - TW = TOP OF WALL
  - UV = UNDERSIDE OF EAVE
  - USL = UNKNOWN SERVICE SURFACE LEVEL
  - VC = VEHICLE CROSSING
  - VER = VERANDAH
  - WH = WATER METER
  - WH = WATER METER
  - WPI = WATER PIT SPOT
  - WSL = WATER SURFACE LEVEL
  - WV = WATER VALVE
  - TR = TREE
  - SPREAD-DIAMETER-HEIGHT-TAGNO.
  - EDT = END OF TRACE
  - FOD = FULL OF DEBRIS
  - UTO = UNABLE TO OPEN
  - UTT = UNABLE TO TRACE
  - UTL = UNABLE TO LOCATE

"FOR EXTRA NOTES SEE SHEET 1"

**HORIZONTAL DATUM:**  
COORDINATE SYSTEM: MGA  
MARKS ADOPTED: SSM 4054 & DP108621

**VERTICAL DATUM:**  
DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
B.M. ADOPTED: SSM 4054  
R.L. 2.50m (ORDER L3)  
SOURCE: S.C.I.M.S. (18/09/19)

4	DETAIL UPDATED & BOUNDARY IDENT. UNDERGROUND SERVICES NOT UPDATED	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	16/10/19

**CLIENT:**  
SCHOOLS INFRASTRUCTURE NSW  
C/- JOHN STAFF, LEVEL 5,  
9 CASTLEREAGH STREET,  
SYDNEY NSW 2000

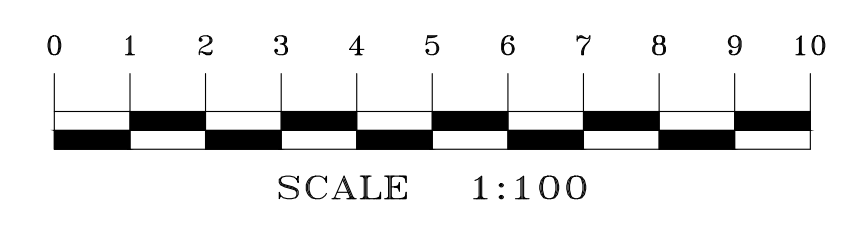
**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.1119562 NARRABEN EDUCATION PRECINCT, NARRABEN NSW 2101**

**C.M.S. Surveyors Pty Limited**  
ACN: 096 240 201  
PO Box 463 Dee Why NSW 2099  
2/298 South Creek Road, Dee Why NSW 2099  
Telephone: (02) 9971 4802  
Facsimile: (02) 9971 4822  
E-mail: info@cmsurveyors.com.au

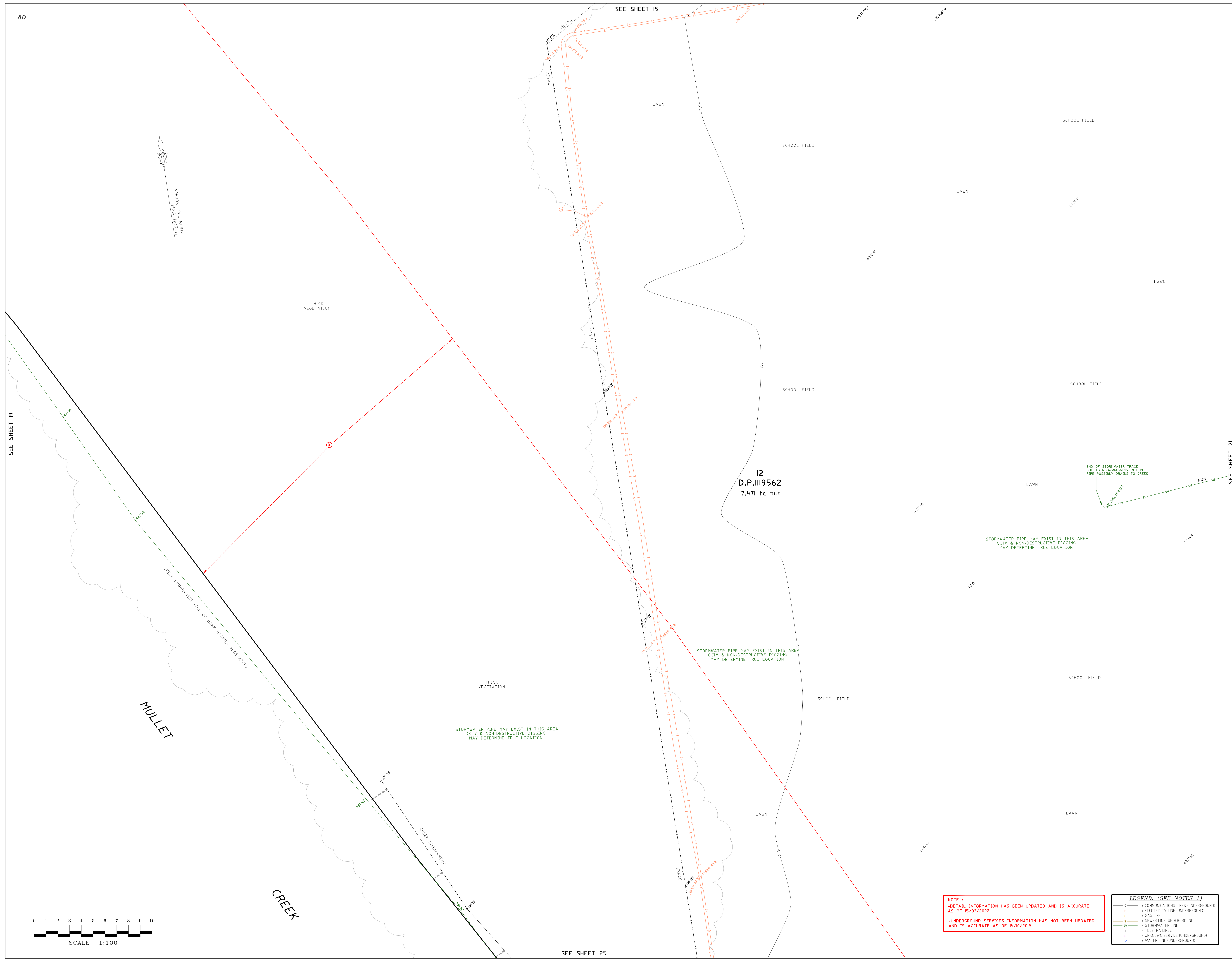
LGA: NORTHERN BEACHES SHEET 19 OF 35			
SURVEYED ME/BS/HC	DRAWN GP/HC	CHECKED ME/BS/HC	APPROVED DR
SURVEY INSTRUCTION 18870A	SCALE 1:500	DATE OF SURVEY 14/10/19	DATE OF ISSUE 16/03/22
DRAWING NAME 18870detail		ISSUE 4	
CAD FILE 18870detail_n.dwg			

**NOTE 1**  
-DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
-UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019

- LEGEND: (SEE NOTES 1)**
- = COMMUNICATIONS LINES (UNDERGROUND)
  - = ELECTRICITY LINE (UNDERGROUND)
  - = GAS LINE
  - = SEWER LINE (UNDERGROUND)
  - = STORMWATER LINE
  - = TELETRA LINES
  - = UNKNOWN SERVICE (UNDERGROUND)
  - = WATER LINE (UNDERGROUND)







- NOTES**
- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN.
  - WALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION.
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  - SEWER MAIN PLOTTED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION SHOULD BE MARKED ON SITE AS CRITICAL.
  - CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR.
  - CONTOURS SHOWN DEPICT THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION.
  - CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED.
  - POSITION OF RIDGE LINES ARE DIAGRAMMATIC ONLY (NOT TO SCALE).
  - THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:50.
  - DO NOT SCALE OFF THIS PLAN / FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.
  - COPYRIGHT © CHS SURVEYORS 2022.
  - NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM, WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER EXCEPT AS PERMITTED BY THE COPYRIGHT ACT 1969.
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  - THIS NOTICE MUST NOT BE ERASED.

**LEGEND:**

- AW = AWNING
- BAL = BALCONY
- BB = BOTTOM OF BANK
- BBO = BARBECUE
- BT = BUTTRESS
- BLD = EXTERNAL BUILDING
- BOB = BACK OF KERB
- BOL = BOLLARD
- BR = BOTTOM RIVER
- CHI = CHIMNEY
- CL = CENTRELINE
- CON = CONCRETE
- CPT = COMMUNICATIONS PIT
- CSL = COMMUNICATIONS SURFACE LEVEL
- CUB = CUBBY HOUSE
- DD = DISH DRAIN
- DM = DAM
- DMP = DOWN PIPE
- DS = DOOR SILL LEVEL
- EK = ELECTRICITY KIOSK
- EPL = ELECTRICITY PILLAR
- EPT = ELECTRICITY PIT
- ESL = ELECTRICITY SURFACE LEVEL
- FCE = FENCE
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- SON = GARDEN
- GF = GUTTER LEVEL
- GPT = GAS PIT
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- GSL = GAS SURFACE LEVEL
- GVA = GAS VALVE
- HYD = HYDRANT
- IL = INVERT LEVEL
- IP = INVERT LEVEL PIT
- LAN = LANDING
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- LM = LINE MARKING
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- PAV = PAVING
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- RA = RAILING
- RF = TOP OF ROOF
- RHP = RAMP
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- SIP = SEWER INSPECTION PIT
- SMH = SEWER MAN HOLE
- SLL = SEWER SURFACE LEVEL
- STR = STAIRS
- SUB = ELECTRICITY SUBSTATION
- SVA = STOP VALVE
- SWH = SEWER WENT
- SWSL = STORMWATER SURFACE LEVEL
- TAP = TAP
- TB = TOP OF BANK
- TFE = TOP OF FENCE
- TG = TOP OF GUTTER
- TIL = TILE
- TLE = TREE LINE
- TRIP = TRIPSTRAP PIT
- TR = TREE
- TSL = TELSTRA SURFACE LEVEL
- TW = TOP OF WALL
- UEV = UNDERSIDE OF EAVE
- USL = UNKNOWN SERVICE SURFACE LEVEL
- VEH = VEHICLE CROSSING
- VER = VERANDAH
- WH = WATER METER
- WHE = WATER METER
- WPI = WATER PIT SPOT
- WSL = WATER SURFACE LEVEL
- WV = WATER VALVE
- TR = TREE
- SPREAD-DIAMETER-HEIGHT-TAGNO.
- EDT = END OF TRACE
- FOD = FULL OF DEBRIS
- UTO = UNABLE TO OPEN
- UTT = UNABLE TO TRACE
- UTL = UNABLE TO LOCATE

"FOR EXTRA NOTES SEE SHEET 1"

**HORIZONTAL DATUM:**  
 CO-ORDINATE SYSTEM: MGA  
 MARKS: ADOPTED: SSM 4054I & DP10862I

**VERTICAL DATUM:**  
 DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
 B.M. ADOPTED: SSM 4054I  
 R.L. 2.50m (ORDER L3)  
 SOURCE: S.C.I.M.S. (18/09/19)

NO.	DESCRIPTION	DATE
4	DETAIL UPDATED & BOUNDARY IDENT. UNDERGROUND SERVICES NOT UPDATED	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	18/10/19

**CLIENT:**  
 SCHOOLS INFRASTRUCTURE NSW  
 C/- JOHN STAFF, LEVEL 5,  
 9 CASTLEREAGH STREET,  
 SYDNEY NSW 2000

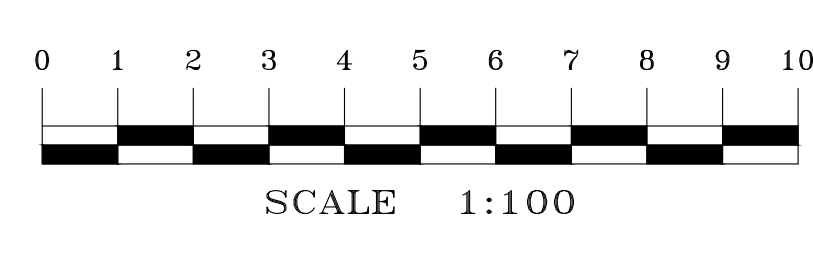
**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.119562 NARRABEN EDUCATION PRECINCT, NARRABEN NSW 2101**

**C.M.S. Surveyors Pty Limited**  
 ACN: 096 240 201  
 PO Box 463 Dee Why NSW 2099  
 2/298 South Creek Road, Dee Why NSW 2099  
 Telephone: (02) 9971 4802  
 Facsimile: (02) 9971 4822  
 E-mail: info@cmsurveyors.com.au

LGA: NORTHERN BEACHES SHEET 20 OF 35	
SURVEYED	DRAWN
ME/BS/HC	GP/HC
CHECKED	APPROVED
ME/BS/HC	DR
SURVEY INSTRUCTION	
SCALE	DATE OF SURVEY
1:50	14/10/2019
DRAWING NAME	
18830detail	
ISSUE	
4	

**NOTE:**  
 -DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
 -UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019

- LEGEND: (SEE NOTES 1)**
- COMMUNICATIONS LINES (UNDERGROUND)
  - ELECTRICITY LINE (UNDERGROUND)
  - GAS LINE
  - SEWER LINE (UNDERGROUND)
  - STORMWATER LINE
  - TELSTRA LINES
  - UNKNOWN SERVICE (UNDERGROUND)
  - WATER LINE (UNDERGROUND)



SEE SHEET 25

SEE SHEET 19

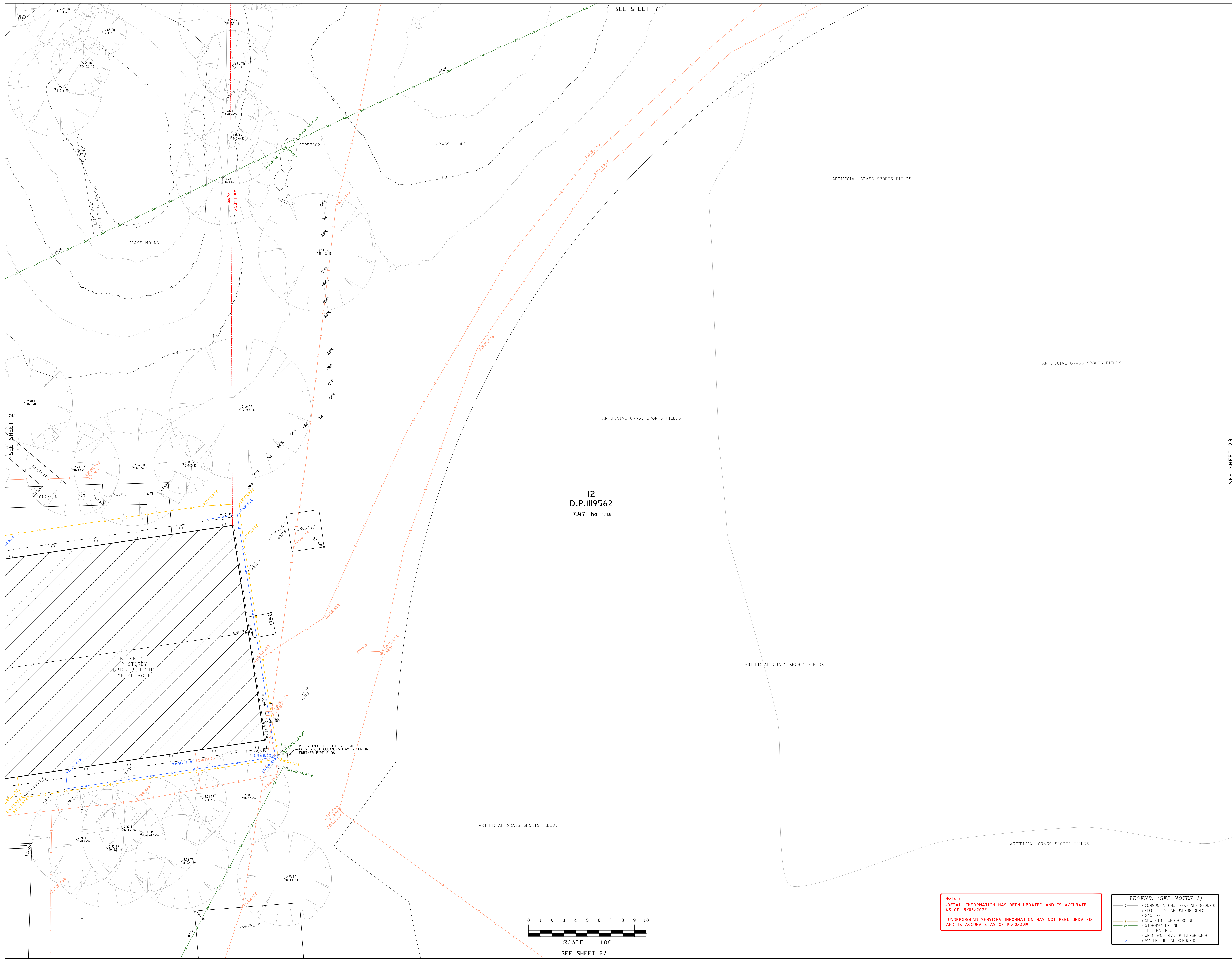
SEE SHEET 15

SEE SHEET 21









- NOTES**
- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN.
  - WALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION.
  - IF CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT.
  - THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS PLAN MUST NOT BE USED FOR ANY OTHER MATTER, PURPOSE OR CONSTRUCTION SETOUT.
  - TREE SIZES ARE ESTIMATES ONLY.
  - THIS PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW.
  - RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGRAMMATIC ONLY WHERE EFFECTS ARE CRITICAL, THEY SHOULD BE CONFIRMED BY FURTHER SURVEY.
  - EXCEPT WHERE SHOWN BY DIMENSION LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATIVE ONLY.
  - ONLY VISIBLE SERVICES HAVE BEEN LOCATED. UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. BAL BEFORE 7000 DO NOT SERVICES (IN 1000 SHOULD BE USED AND A FULL SIGHT ANALYSIS SHOULD BE CONDUCTED. A UTILITY LOCATION SURVEY SHOULD BE UNDERTAKEN WITH VIEW TO CARRYING OUT ANY CONSTRUCTION ACTIVITY IN OR NEAR THE SURVEYED AREA.
  - SEWER MAIN PLOTTED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION SHOULD BE MARKED ON SITE AS CRITICAL.
  - CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR.
  - CONTOURS SHOWN DEPICT THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION.
  - CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED.
  - POSITION OF RIDGE LINES ARE DIAGRAMMATIC ONLY (NOT TO SCALE).
  - THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:50.
  - DO NOT SCALE OFF THIS PLAN / FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.
  - COPYRIGHT © CHS SURVEYORS 2022.
  - NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM, WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER EXCEPT AS PERMITTED BY THE COPYRIGHT ACT 1964.
  - ANY PERMITTED DOWNLOADING, ELECTRONIC STORAGE, DISPLAY, PRINT, COPY OR REPRODUCTION OF THIS SURVEY SHOULD CONTAIN NO ALTERATION OR ADDITION TO THE ORIGINAL SURVEY.
  - THIS NOTICE MUST NOT BE ERASED.

**CHS SURVEYORS**  
REGISTERED SURVEYOR BOSS NUMBER 1405

- LEGEND:**
- AW = AWNING
  - BAL = BALCONY
  - BB = BOTTOM OF BANK
  - BBO = BARBECUE
  - BIT = BITUMEN
  - BLD = EXTERNAL BUILDING
  - BOX = BACK OF KERB
  - BOL = BOLLARD
  - BR = BOTTOM RAIL
  - CH = CHIMNEY
  - CL = CENTRAL LINE
  - CON = CONCRETE
  - CPT = COMMUNICATIONS PIT
  - CSL = COMMUNICATIONS SURFACE LEVEL
  - CUB = CUBBY HOUSE
  - DD = DISH DRAIN
  - DM = DAM
  - DMP = DOWN PIPE
  - DS = DOOR SILL LEVEL
  - EK = ELECTRICITY KIOSK
  - EPIL = ELECTRICITY PILLAR
  - EPIT = ELECTRICITY PIT
  - ESL = ELECTRICITY SURFACE LEVEL
  - FCE = FENCE
  - FHY = FIRE HYDRANT
  - FL = FLOOR LEVEL
  - GCP = GAS CATHODIC PROTECTION
  - SON = GARDEN
  - GP = GUTTER LEVEL
  - GPT = GAS PIT
  - GRT = GRATE
  - GSL = GAS SURFACE LEVEL
  - GVA = GAS VALVE
  - HYD = HYDRANT
  - IL = INVERT LEVEL
  - IP = INVERT LEVEL PIT
  - LAN = LANDING
  - LID = MISCELLANEOUS PIT LID
  - LIN = LEVEL
  - LIP = KERB LIP
  - LM = LINE MARKING
  - LP = LIGHT POLE
  - NS = NATURAL SURFACE
  - PAY = PAVING
  - POPE = PIPE OVERLAP
  - PIT = TOP OF PIT
  - PM = PERMANENT SURVEY MARK
  - PTH = PATH
  - RA = RAILING
  - RF = TOP OF ROOF
  - RHP = RAMP
  - RR = ROOF RIDGE
  - SON = SON
  - SIP = SEWER INSPECTION PIT
  - SMH = SEWER MAN HOLE
  - SLL = SEWER SURFACE LEVEL
  - STR = STAIRS
  - SUB = ELECTRICITY SUBSTATION
  - SVA = STOP VALVE
  - SVE = SEWER VENT
  - SWSL = STORMWATER SURFACE LEVEL
  - TAP = TAP
  - TB = TOP OF BANK
  - TFE = TOP OF FENCE
  - TG = TOP OF GUTTER
  - TFL = TILE
  - TPT = TELETRA PIT
  - TR = TREE
  - TSL = TELETRA SURFACE LEVEL
  - TW = TOP OF WALL
  - UEV = UNDERSIDE OF EAVE
  - USL = UNKNOWN SERVICE SURFACE LEVEL
  - VC = VEHICLE CROSSING
  - VER = VERANDAH
  - WH = WATER METER
  - WH = WATER METER
  - WPE = WATER PEST SPOT
  - WSL = WATER SURFACE LEVEL
  - WV = WATER VALVE
  - TR = TREE
  - SPREAD-DIAMETER-HEIGHT-TAGNO.
  - EDT = END OF TRACE
  - FOD = FULL OF DEBRIS
  - UTO = UNABLE TO OPEN
  - UTT = UNABLE TO TRACE
  - UTL = UNABLE TO LOCATE

"FOR EXTRA NOTES SEE SHEET 1"

**HORIZONTAL DATUM:**  
CO-ORDINATE SYSTEM: MGA  
MARKS ADOPTED: SSM 405M & DP1018621

**VERTICAL DATUM:**  
DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
B.M. ADOPTED: SSM 405M  
R.L. 2.50M (ORDER L3)  
SOURCE: S.C.I.M.S. (18/09/19)

NO.	DESCRIPTION	DATE
4	DETAIL UPDATED & BOUNDARY IDENT. UNDERGROUND SERVICES NOT UPDATED	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	18/10/19

**CLIENT:**  
SCHOOLS INFRASTRUCTURE NSW  
C/- JOHN STAFF, LEVEL 5,  
9 CASTLEREAGH STREET,  
SYDNEY NSW 2000

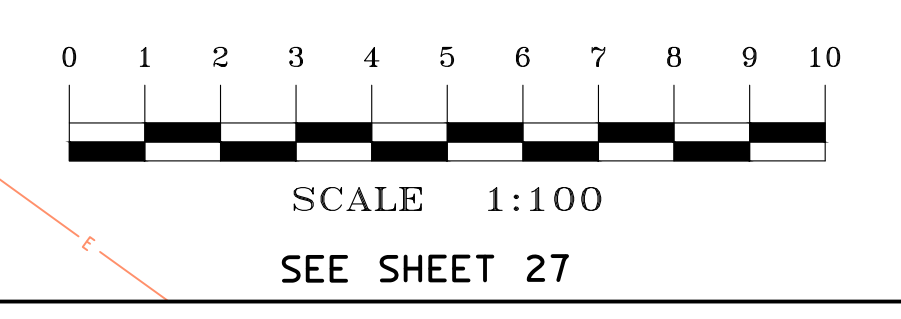
**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.1119562 NARRABEN EDUCATION PRECINCT, NARRABEN NSW 2101**

**C.M.S. Surveyors Pty Limited**  
ACN: 096 240 201  
PO Box 463 Dee Why NSW 2099  
2/298 South Cross Road, Dee Why NSW 2099  
Telephone: (02) 9971 4802  
Facsimile: (02) 9971 4822  
E-mail: info@cmsurveyors.com.au

LGA: NORTHERN BEACHES SHEET 22 OF 35	
SURVEYED ME/BS/HC	DRAWN GP/HC
CHECKED ME/BS/HC	APPROVED DR
SURVEY INSTRUC	SCALE
18870A	1:100 AD
DATE OF SURVEY	14/09/2019
DRAWING NAME	ISSUE
18870detail	4
CAD FILE	
18870detail_4.dwg	

**NOTE:**  
-DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
-UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019

- LEGEND: (SEE NOTES 1)**
- (red) = COMMUNICATIONS LINES (UNDERGROUND)
  - (blue) = ELECTRICITY LINE (UNDERGROUND)
  - (green) = GAS LINE
  - (yellow) = SEWER LINE (UNDERGROUND)
  - (orange) = STORMWATER LINE
  - (purple) = TELETRA LINES
  - (grey) = UNKNOWN SERVICE (UNDERGROUND)
  - (cyan) = WATER LINE (UNDERGROUND)





12  
D.P.119562  
7.471 ha TITLE



SEE SHEET 28

- NOTES**
- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN.
  - WALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION.
  - IF CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT.
  - THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS PLAN MUST NOT BE USED FOR ANY OTHER MATTER, PURPOSE OR CONSTRUCTION SETOUT.
  - PLANNING MUST BE USED FOR ANY OTHER MATTER, PURPOSE OR CONSTRUCTION SETOUT.
  - THIS PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW.
  - RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGNOSTIC ONLY WHERE EFFECTS ARE CRITICAL, THEY SHOULD BE CONFIRMED BY FURTHER SURVEY.
  - EXCEPT WHERE SHOWN BY DIMENSION LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATIVE ONLY.
  - ONLY VISIBLE SERVICES HAVE BEEN LOCATED. UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. BAL BEFORE ROAD DRG SERVICES (IN 1000) SHOULD BE USED AND A FULL SCALE INVESTIGATION INCLUDING A TRAFFIC LOCATION SURVEY SHOULD BE UNDERTAKEN WITH CARE BEING TAKEN IN CARRYING OUT ANY CONSTRUCTION ACTIVITY IN OR NEAR THE SURVEYED AREA.
  - SEWER MANHOLE LOCATED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION SHOULD BE MARKED ON SITE AS CRITICAL.
  - CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR.
  - CONTOURS SHOWN DEPICT THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION.
  - CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED.
  - POSITION OF RIDGE LINES ARE DIAGNOSTIC ONLY (NOT TO SCALE).
  - THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:100.
  - DO NOT SCALE OFF THIS PLAN / FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO CALLED DIMENSIONS.
  - COPYRIGHT © CHS SURVEYORS 2022.
  - NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM, WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER EXCEPT AS PERMITTED BY THE COPYRIGHT ACT 1969.
  - ANY PERMITTED DOWNLOADING, ELECTRONIC STORAGE, DISPLAY, PRINT, COPY OR REPRODUCTION OF THIS SURVEY SHOULD CONTAIN NO ALTERATION OR ADDITION TO THE ORIGINAL SURVEY.
  - THIS NOTICE MUST NOT BE ERASED.

STEPHEN DREYER  
REGISTERED SURVEYOR BOSS NUMBER 1405

- LEGEND:**
- AW = AWNING
  - BAL = BALCONY
  - BB = BOTTOM OF BANK
  - BBQ = BARBECUE
  - BIT = BITUMEN
  - BLD = EXTERNAL BUILDING
  - BOX = BACK OF KERB
  - BOL = BOLLARD
  - BR = BOTTOM RAIL
  - CHI = CHIMNEY
  - CON = CONCRETE
  - CPT = COMMUNICATIONS PIT
  - CSL = COMMUNICATIONS SURFACE LEVEL
  - CUB = CUBBY HOUSE
  - DD = DISH DRAIN
  - DM = DAM
  - DMP = DOWN PIPE
  - DS = DOOR SILL LEVEL
  - EK = ELECTRICITY KIOSK
  - EPIL = ELECTRICITY PILLAR
  - EPIT = ELECTRICITY PIT
  - ESL = ELECTRICITY SURFACE LEVEL
  - FCE = FENCE
  - FHY = FIRE HYDRANT
  - FL = FLOOR LEVEL
  - GP = GAS CATHODIC PROTECTION
  - SON = GARDEN
  - GF = GUTTER LEVEL
  - GPT = GAS PIT
  - GRT = GRATE
  - GSL = GAS SURFACE LEVEL
  - GVA = GAS VALVE
  - HYD = HYDRANT
  - IL = INERT LEVEL
  - IP = INVERT LEVEL PIT
  - LAN = LANDING
  - LID = MISCELLANEOUS PIT LID
  - LIN = LEVEL
  - LIP = KERB LIP
  - LM = LINE MARKING
  - LP = LIGHT POLE
  - NS = NATURAL SURFACE
  - PAV = PAVING
  - PIPE = PIPE JOINT
  - PIT = TOP OF PIT
  - PM = PERMANENT SURVEY MARK
  - PTH = PATH
  - RA = RAILING
  - RF = TOP OF ROOF
  - RHP = RAMP
  - RR = ROOF RIDGE
  - SON = SIGN
  - SIP = SEWER INSPECTION PIT
  - SMH = SEWER MAN HOLE
  - SLL = SEWER SURFACE LEVEL
  - STR = STAIRS
  - SUB = ELECTRICITY SUBSTATION
  - SVA = STOP VALVE
  - SVE = SEWER VENT
  - SWSL = STORMWATER SURFACE LEVEL
  - TAP = TAP
  - TB = TOP OF BANK
  - TECE = TOP OF FENCE
  - TG = TOP OF GUTTER
  - TFL = TILE
  - TLE = TREE LINE
  - TRIP = TRIP STRA PIT
  - TR = TREE
  - TSL = TELETRA SURFACE LEVEL
  - TW = TOP OF WALL
  - UEV = UNDERSIDE OF EAVE
  - USL = UNKNOWN SERVICE SURFACE LEVEL
  - VE = VEHICLE CROSSING
  - VER = VERANDAH
  - WE = WATER EDGE
  - WH = WATER METER
  - WPIE = WATER PIT SPOT
  - WSL = WATER SURFACE LEVEL
  - WV = WATER VALVE
  - TR = TREE
  - SPREAD-DIAMETER-HEIGHT-TAGNO.
  - EDT = END OF TRACE
  - FOD = FULL OF DEBRIS
  - UTO = UNABLE TO OPEN
  - UTT = UNABLE TO TRACE
  - UTL = UNABLE TO LOCATE

"FOR EXTRA NOTES SEE SHEET 1"

**HORIZONTAL DATUM:**  
 CO-ORDINATE SYSTEM: MGA  
 MARKS: ADOPTED: SSM 40541 & DP108621

**VERTICAL DATUM:**  
 DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
 B.M. ADOPTED: SSM 40541  
 R.L. 2.50+ (ORDER L3)  
 SOURCE: S.C.I.M.S. (18/09/19)

4	DETAIL UPDATED & BOUNDARY IDENTIFICATION	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	18/10/19

**CLIENT:**  
 SCHOOLS INFRASTRUCTURE NSW  
 C/- JOHN STAFF, LEVEL 5,  
 9 CASTLEREAGH STREET,  
 SYDNEY NSW 2000

**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.119562 NARRABEN EDUCATION PRECINCT, NARRABEN NSW 2101**

**C.M.S. Surveyors Pty Limited**  
 ACN: 096 240 201  
 PO Box 463 Dee Why NSW 2099  
 2/298 South Creek Road, Dee Why NSW 2099  
 Telephone: (02) 9971 4802  
 Facsimile: (02) 9971 4822  
 E-mail: info@cmsurveyors.com.au

**NOTE 1**  
 -DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
 -UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019

- LEGEND: (SEE NOTES 1)**
- = COMMUNICATIONS LINES (UNDERGROUND)
  - = ELECTRICITY LINE (UNDERGROUND)
  - = GAS LINE
  - = SEWER LINE (UNDERGROUND)
  - = STORMWATER LINE
  - = TELETRA LINES
  - = UNKNOWN SERVICE (UNDERGROUND)
  - = WATER LINE (UNDERGROUND)

LG: NORTHERN BEACHES SHEET 23 OF 35

SURVEYED	DRAWN	CHECKED	APPROVED
ME/BS/HC	GP/HC	ME/BS/HC	DR
SURVEY INSTRUCTION	SCALE	DATE OF SURVEY	
18830A	1:100 @ AD	14/10/19	14/10/2022
DRAWING NAME	ISSUE		
18830detail	4		
CAD FILE			
18830detail_n.dwg			



APPROX TRUE NORTH  
HIGH NORTH

1:100

7075  
D.P.1051160

- NOTES**
- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN.
  - WALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION.
  - IF CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT.
  - THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS PLAN MUST NOT BE USED FOR ANY OTHER MATTER, PURPOSE OR CONSTRUCTION SETOUT.
  - TREE SIZES ARE ESTIMATES ONLY.
  - THIS PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW.
  - RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGRAMMATIC ONLY WHERE EFFECTS ARE CRITICAL. THEY SHOULD BE CONFIRMED BY FURTHER SURVEY.
  - EXCEPT WHERE SHOWN BY DIMENSION LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATIVE ONLY.
  - ONLY VISIBLE SERVICES HAVE BEEN LOCATED. UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. BAL BEFORE 700m DOG SERVICES (9m-1000) SHOULD BE USED AND A SOIL RESISTANT INVESTIGATION, INCLUDING A UTILITY LOCATION SURVEY, SHOULD BE UNDERTAKEN BEFORE CARRYING OUT ANY CONSTRUCTION ACTIVITY IN OR NEAR THE SURVEYED AREA.
  - SEWER MAIN PLOTTED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION SHOULD BE MARKED ON SITE AS CRITICAL.
  - CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR.
  - CONTOURS SHOWN DEPICT THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATION OF QUANTITIES WITH CAUTION.
  - CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED.
  - POSITION OF RIDGE LINES ARE DIAGRAMMATIC ONLY (NOT TO SCALE).
  - THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:100.
  - DO NOT SCALE OFF THIS PLAN / FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.
  - COPYRIGHT © CHS SURVEYORS 2022.
  - NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM, WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER EXCEPT AS PERMITTED BY THE COPYRIGHT ACT 1964.
  - ANY PERMITTED DOWNLOADING, ELECTRONIC STORAGE, DISPLAY, PRINT, COPY OR REPRODUCTION OF THIS SURVEY SHOULD CONTAIN NO ALTERATION OR ADDITION TO THE ORIGINAL SURVEY.
  - THIS NOTICE MUST NOT BE ERASED.

REGISTERED SURVEYOR BOSS NUMBER 1405

- LEGEND:**
- AW = AWNING
  - BAL = BALCONY
  - BB = BOTTOM OF BANK
  - BBQ = BARBECUE
  - BT = BUTTRESS
  - BLD = EXTERNAL BUILDING
  - BOX = BACK OF KERB
  - BOL = BOLLARD
  - BR = BOTTOM RAIL
  - CHI = CHIMNEY
  - CL = CENTRELINE
  - CON = CONCRETE
  - CPT = COMMUNICATIONS PIT
  - CSL = COMMUNICATIONS SURFACE LEVEL
  - CUB = CUBBY HOUSE
  - DD = DISH DRAIN
  - DM = DAM
  - DMP = DOWN PIPE
  - DS = DOOR SILL LEVEL
  - EK = ELECTRICITY KIOSK
  - EPIL = ELECTRICITY PILLAR
  - EPIT = ELECTRICITY PIT
  - ESL = ELECTRICITY SURFACE LEVEL
  - FCE = FENCE
  - FHY = FIRE HYDRANT
  - FL = FLOOR LEVEL
  - GCP = GAS CATHODIC PROTECTION
  - SON = GARDEN
  - GF = GUTTER LEVEL
  - GPT = GAS PIT
  - GRT = GRATE
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  - GVA = GAS VALVE
  - HYD = HYDRANT
  - IL = INERT LEVEL
  - IP = INVERT LEVEL PIT
  - LAN = LANDING
  - LID = MISCELLANEOUS PIT LID
  - LIN = LEVEL
  - LIP = KERB LIP
  - LM = LINE MARKING
  - LP = LIGHT POLE
  - NS = NATURAL SURFACE
  - PAV = PAVING
  - PIPE = PIPE JOINT
  - PIT = TOP OF PIT
  - PM = PERMANENT SURVEY MARK
  - PTH = PATH
  - RA = RAILING
  - RF = TOP OF ROOF
  - RHP = RAMP
  - RR = ROOF RIDGE
  - SON = SIGN
  - SIP = SEWER INSPECTION PIT
  - SMH = SEWER MAN HOLE
  - SLL = SEWER SURFACE LEVEL
  - STR = STAIRS
  - SUB = ELECTRICITY SUBSTATION
  - SVA = STOP VALVE
  - SVE = SEWER VENT
  - SWSL = STORMWATER SURFACE LEVEL
  - TAP = TAP
  - TB = TOP OF BANK
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  - TG = TOP OF GUTTER
  - TFL = TILE
  - TLE = TREE LINE
  - TRIP = TELESTR PIT
  - TR = TREE
  - TSL = TELESTR SURFACE LEVEL
  - TW = TOP OF WALL
  - UV = UNDERSIDE OF EAVE
  - USL = UNKNOWN SERVICE SURFACE LEVEL
  - VC = VEHICLE CROSSING
  - VER = VERANDAH
  - WH = WATER METER
  - WH = WATER METER
  - WPIE = WATER PIT SPOT
  - WSL = WATER SURFACE LEVEL
  - WV = WATER VALVE
  - TR = TREE
  - SPREAD-DIAMETER-HEIGHT-TAGNO.
  - EDT = END OF TRACE
  - FOD = FULL OF DEBRIS
  - UTO = UNABLE TO OPEN
  - UTT = UNABLE TO TRACE
  - UTL = UNABLE TO LOCATE

SEE SHEET 25

"FOR EXTRA NOTES SEE SHEET 1"

**HORIZONTAL DATUM:**  
 CO-ORDINATE SYSTEM: MGA  
 MARKS ADOPTED: SSM 4054i & DP10862i

**VERTICAL DATUM:**  
 DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
 B.M. ADOPTED: SSM 4054i  
 R.L. 2.50m (ORDER L3)  
 SOURCE: S.C.I.M.S. (18/09/19)

4	DETAIL UPDATED & BOUNDARY IDENT. UNDERGROUND SERVICES NOT UPDATED	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	16/10/19

**CLIENT:**  
 SCHOOLS INFRASTRUCTURE NSW  
 C/- JOHN STAFF, LEVEL 5,  
 9 CASTLEREAGH STREET,  
 SYDNEY NSW 2000

**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.1119562 NARRABEN EDUCATION PRECINCT, NARRABEN NSW 2101**

**C.M.S. Surveyors Pty Limited**  
 ACN: 096 240 201  
 PO Box 463 Dee Why NSW 2099  
 2/298 South Creek Road, Dee Why NSW 2099  
 Telephone: (02) 9971 4802  
 Facsimile: (02) 9971 4822  
 E-mail: info@cmsurveyors.com.au

**NOTE:**  
 -DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
 -UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019

- LEGEND: (SEE NOTES 1)**
- (---) = COMMUNICATIONS LINES (UNDERGROUND)
  - (---) = ELECTRICITY LINE (UNDERGROUND)
  - (---) = GAS LINE
  - (---) = SEWER LINE (UNDERGROUND)
  - (---) = STORMWATER LINE
  - (---) = TELESTRAL LINES
  - (---) = UNKNOWN SERVICE (UNDERGROUND)
  - (---) = WATER LINE (UNDERGROUND)

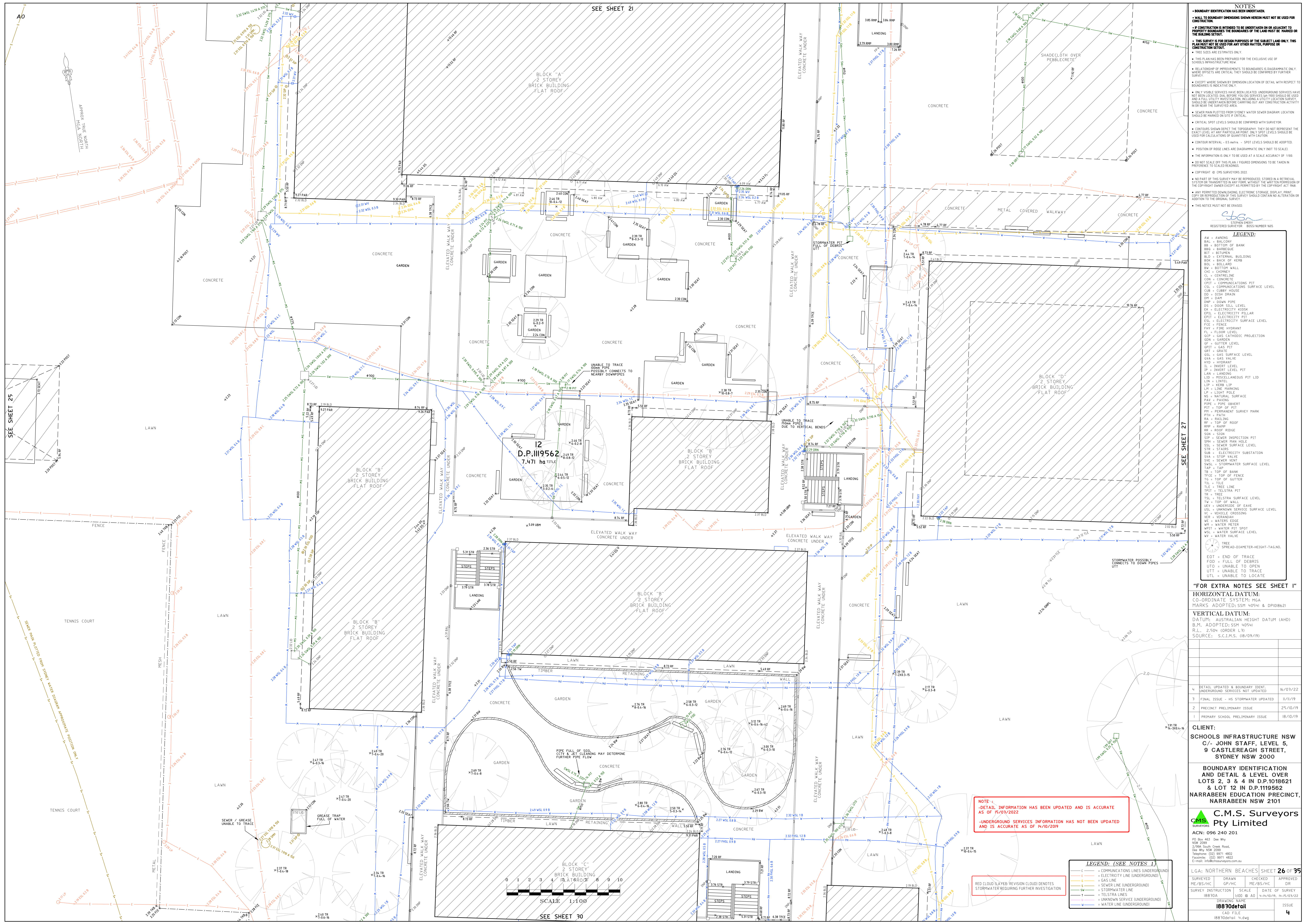


LGA: NORTHERN BEACHES		SHEET 24 OF 35	
SURVEYED ME/BS/HC	DRAWN GP/HC	CHECKED ME/BS/HC	APPROVED DR
SURVEY INSTRUCTION 18830A	SCALE 1:100	DATE OF SURVEY 14/10/19	DATE OF SURVEY 14/10/19
DRAWING NAME 18830detail		ISSUE 4	
CAD FILE 18830detail_n.dwg			









SEE SHEET 21

SEE SHEET 25

- NOTES**
- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN.
  - WALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION.
  - CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES. THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT.
  - THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS PLAN MUST NOT BE USED FOR ANY OTHER MATTER, PURPOSE OR CONSTRUCTION SETOUT.
  - FREE SIZES ARE ESTIMATES ONLY.
  - THIS PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW.
  - RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGRAMMATIC ONLY. WHERE EFFECTS ARE CRITICAL, THEY SHOULD BE CONFIRMED BY FURTHER SURVEY.
  - EXCEPT WHERE SHOWN BY DIMENSION, LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATIVE ONLY.
  - ONLY VISIBLE SERVICES HAVE BEEN LOCATED. UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. DO NOT REMOVE THIS PLAN FROM THE SURVEY. ONLY SPOT LEVELS SHOULD BE USED AND A FULL QUALITY INVESTIGATION INCLUDING A UTILITY LOCATION SURVEY SHOULD BE UNDERTAKEN PRIOR TO CONSTRUCTION. ANY CONSTRUCTION ACTIVITY IN OR NEAR THE SURVEYED AREA.
  - SEWER MAN PLOTS FROM SYDNEY SEWER DIAGRAM. LOCATION SHOULD BE MARKED IN SETOUT CRITICAL.
  - CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR.
  - CONTOURS SHOWN DEPICT THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION.
  - CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED.
  - POSITION OF RIDGE LINES ARE DIAGRAMMATIC ONLY (NOT TO SCALE).
  - THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:500.
  - DO NOT SCALE OFF THIS PLAN. FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO CALLED DIMENSIONS.
  - COPYRIGHT © CHS SURVEYORS 2022.
  - NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM, WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER EXCEPT AS PERMITTED BY THE COPYRIGHT ACT 1969.
  - ANY PERMITTED DOWNLOADING, ELECTRONIC STORAGE, DISPLAY, PRINT, COPY OR REPRODUCTION OF THIS SURVEY SHOULD CONTAIN NO ALTERATION OR ADDITION TO THE ORIGINAL SURVEY.
  - THIS NOTICE MUST NOT BE ERASED.

STEPHEN BERRY  
REGISTERED SURVEYOR - 8055 NUMBER 905

- LEGEND:**
- AW = ANNING
  - BAL = BALCONY
  - BB = BOTTOM OF BANK
  - BBQ = BARBECUE
  - BIT = BACK OF KERB
  - BOL = BOLLARD
  - CH = CHIMNEY
  - CHL = CENTRAL LINE
  - CON = CONCRETE
  - CPT = COMMUNICATIONS PIT
  - CSL = COMMUNICATIONS SURFACE LEVEL
  - CUB = CUBBY HOUSE
  - DD = DISH DRAIN
  - DM = DAM
  - DMP = DOWN PIPE
  - DS = DOOR SILL LEVEL
  - DK = ELECTRICITY KIOSK
  - EPIL = ELECTRICITY PILLAR
  - EPI = ELECTRICITY PIT
  - ESL = ELECTRICITY SURFACE LEVEL
  - FCE = FENCE
  - FHY = FIRE HYDRANT
  - FL = FLOOR LEVEL
  - GCP = GAS CATHODIC PROTECTION
  - GAS = GAS PIT
  - GP = GUTTER LEVEL
  - GRT = GRATE
  - GSL = GAS SURFACE LEVEL
  - GVA = GAS VALVE
  - HID = HYDRANT
  - IL = INVERT LEVEL
  - IP = INVERT LEVEL PIT
  - LAN = LANDING
  - LID = MISCELLANEOUS PIT LID
  - LIN = LINE
  - LIP = KERB LIP
  - LM = LINE MARKING
  - LP = LIGHT POLE
  - NS = NATURAL SURFACE
  - PAV = PAVING
  - PO = PIPE OVERLAP
  - PIT = TOP OF PIT
  - PSM = PERMANENT SURVEY MARK
  - PTH = PATH
  - RA = RAILING
  - RF = TOP OF ROOF
  - RIP = ROOF RIDGE
  - RR = ROOF RIDGE
  - SON = SON
  - SIP = SEWER INSPECTION PIT
  - SMH = SEWER MAN HOLE
  - SLL = SEWER SURFACE LEVEL
  - STR = STAIRS
  - SUB = ELECTRICITY SUBSTATION
  - SVA = STOP VALVE
  - SVE = SEWER VENT
  - SWSL = STORMWATER SURFACE LEVEL
  - TAP = TAP
  - TB = TOP OF BANK
  - TFE = TOP OF FENCE
  - TG = TOP OF GUTTER
  - TIL = TILE
  - TLE = TREE LINE
  - TPI = TELESTRUT PIT
  - TR = TREE
  - TSL = TELESTRUT SURFACE LEVEL
  - TW = TOP OF WALL
  - UEV = UNDERSIDE OF EAVE
  - USL = UNKNOWN SERVICE SURFACE LEVEL
  - VEH = VEHICLE CROSSING
  - VER = VERANDAH
  - WH = WATER METER
  - WPI = WATER PIT SPOT
  - WSL = WATER SURFACE LEVEL
  - WV = WATER VALVE
  - TR = TREE
  - SPREAD-DIAMETER-HEIGHT-TAGNO.

"FOR EXTRA NOTES SEE SHEET 1"

**HORIZONTAL DATUM:**  
CO-ORDINATE SYSTEM: MGA  
MARKS: ADOPTED: SM 405M & DPI08621

**VERTICAL DATUM:**  
DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
B.M. ADOPTED: SM 405M  
R.L. 2.50M (ORDER L3)  
SOURCE: S.C.I.M.S. (18/09/19)

NO.	DESCRIPTION	DATE
4	DETAIL UPDATED & BOUNDARY IDENTIFICATION	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	18/10/19

**CLIENT:**  
SCHOOLS INFRASTRUCTURE NSW  
C/- JOHN STAFF, LEVEL 5,  
9 CASTLEREAGH STREET,  
SYDNEY NSW 2000

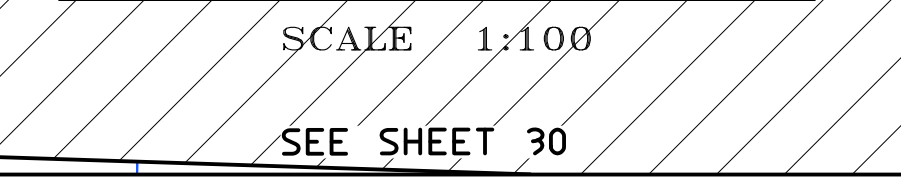
**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.119562**  
NARRABEN EDUCATION PRECINCT,  
NARRABEN NSW 2101

**C.M.S. Surveyors Pty Limited**  
ACN: 096 240 201  
PO Box 463 Dee Why NSW 2099  
2/298 South Creek Road, Dee Why NSW 2099  
Telephone: (02) 9971 4800  
Facsimile: (02) 9971 4822  
E-mail: info@cmsurveyors.com.au

LGA: NORTHERN BEACHES SHEET 26 OF 35  
SURVEYED DRAWN CHECKED APPROVED  
ME/BS/HC GP/HC ME/BS/HC DR  
SURVEY INSTRUCTION SCALE DATE OF SURVEY  
1883DA 1:500 AD 14/09/19 14/09/21/22  
DRAWING NAME ISSUE  
18830detail 4

NOTE: -  
DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
-  
UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019

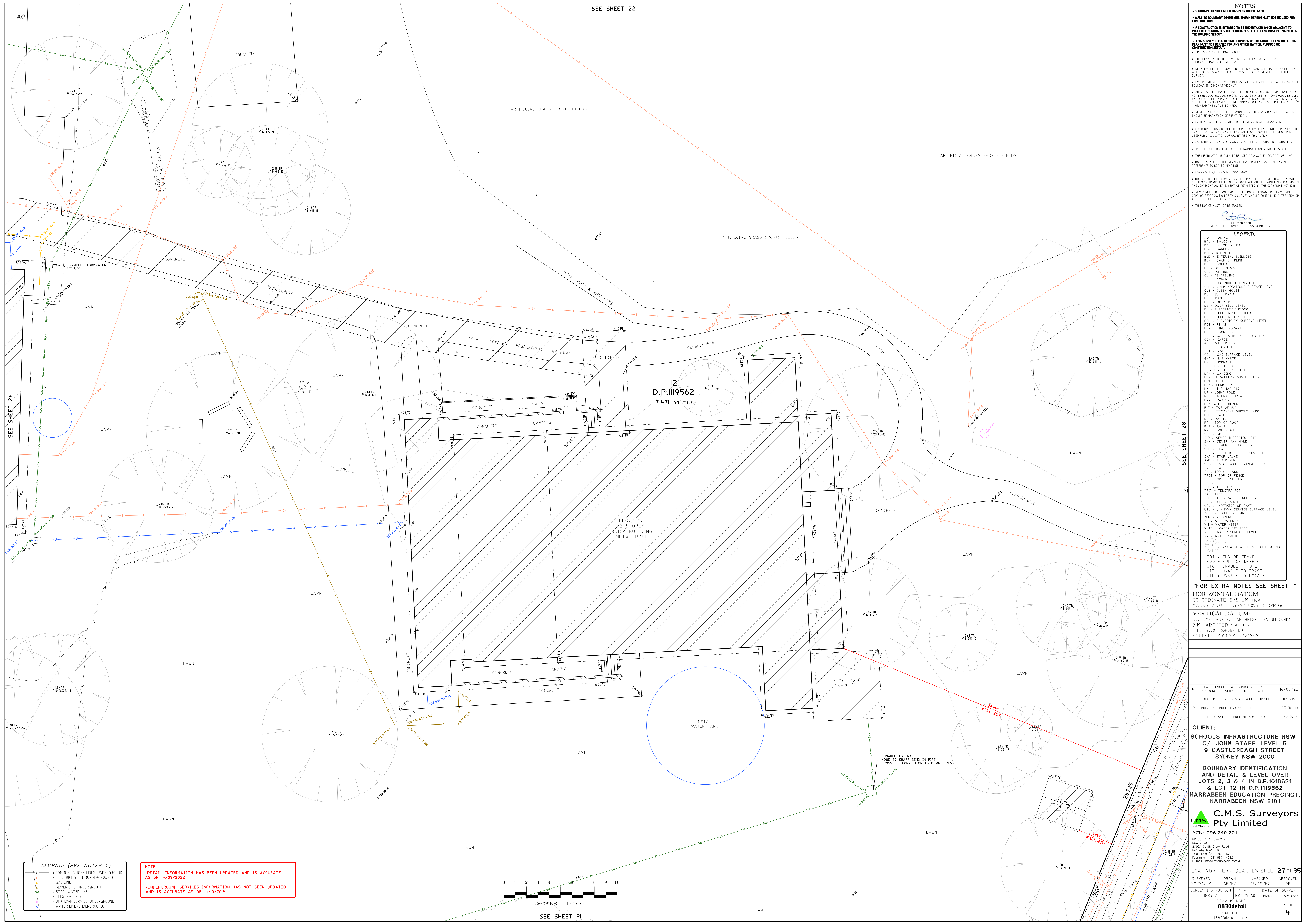
RED CLOUD LAYER REVISION CLOUDI DENSITES  
STORMWATER REQUIRING FURTHER INVESTIGATION



SEE SHEET 30

- LEGEND: (SEE NOTES 1)**
- = COMMUNICATIONS LINES (UNDERGROUND)
  - = ELECTRICITY LINE (UNDERGROUND)
  - = GAS LINE
  - = SEWER LINE (UNDERGROUND)
  - = STORMWATER LINE
  - = TELESTRUT LINES
  - = UNKNOWN SERVICE (UNDERGROUND)
  - = WATER LINE (UNDERGROUND)





**NOTES**

- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN.
- WALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION.
- IF CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT.
- THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS PLAN MUST NOT BE USED FOR ANY OTHER MATTER, PURPOSE OR CONSTRUCTION SETOUT.
- TREE SIZES ARE ESTIMATES ONLY.
- THIS PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW.
- RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGRAMMATIC ONLY WHERE EFFECTS ARE CRITICAL THEY SHOULD BE CONFIRMED BY FURTHER SURVEY.
- EXCEPT WHERE SHOWN BY DIMENSION LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATIVE ONLY.
- ONLY VISIBLE SERVICES HAVE BEEN LOCATED. UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. BAL BEFORE FOD SERVICES (IN-1000) SHOULD BE USED AND A FULL DEPTH INVESTIGATION INCLUDING A UTILITY LOCATION SURVEY SHOULD BE UNDERTAKEN BEFORE CARRYING OUT ANY CONSTRUCTION ACTIVITY IN OR NEAR THE SURVEYED AREA.
- SEWER MAIN PLOTTED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION SHOULD BE MARKED ON SITE AS CRITICAL.
- CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR.
- CONTOURS SHOWN DEPICT THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION.
- CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED.
- POSITION OF RIDGE LINES ARE DIAGRAMMATIC ONLY (NOT TO SCALE).
- THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:500.
- DO NOT SCALE OFF THIS PLAN. FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.
- COPYRIGHT © C.M.S. SURVEYORS 2022.
- NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER EXCEPT AS PERMITTED BY THE COPYRIGHT ACT 1964.
- ANY PERMITTED DOWNLOADING, ELECTRONIC STORAGE, DISPLAY, PRINT, COPY OR REPRODUCTION OF THIS SURVEY SHOULD CONTAIN NO ALTERATION OR ADDITION TO THE ORIGINAL SURVEY.
- THIS NOTICE MUST NOT BE ERASED.

**LEGEND:**

AW = AWNING  
 BAL = BALCONY  
 BB = BOTTOM OF BANK  
 BBO = BARBEQUE  
 BT = BACK OF TERRACE  
 BLD = EXTERNAL BUILDING  
 BOB = BACK OF BENCH  
 BOL = BOLLARD  
 BW = BOTTOM OF WALL  
 CH = CHIMNEY  
 CON = CONCRETE  
 CPT = COMMUNICATIONS PIT  
 CSL = COMMUNICATIONS SURFACE LEVEL  
 CUB = CUBBY HOUSE  
 DD = DISH DRAIN  
 DM = DAM  
 DMP = DOWN PIPE  
 DS = DOOR SILL LEVEL  
 EK = ELECTRICITY KIOSK  
 EPIL = ELECTRICITY PILLAR  
 EPL = ELECTRICITY PIT  
 ESL = ELECTRICITY SURFACE LEVEL  
 FCE = FENCE  
 FHL = FIRE HYDRANT  
 GCP = GAS CATHODIC PROTECTION  
 GON = GARDEN  
 GP = GUTTER LEVEL  
 GPT = GAS PIT  
 GR = GRATE  
 GSL = GAS SURFACE LEVEL  
 GVA = GAS VALVE  
 HD = HYDRANT  
 IL = INVERT LEVEL  
 IP = INVERT LEVEL PIT  
 LAN = LANDING  
 LID = MISCELLANEOUS PIT LID  
 LIN = LEVEL  
 LIP = KERB LIP  
 LM = LINE MARKING  
 LP = LIGHT POLE  
 NPS = NATURAL SURFACE  
 PAV = PAVING  
 PIPE = PIPE JOINT  
 PIT = TOP OF PIT  
 PPH = PRELIMINARY SURVEY MARK  
 PTH = PATH  
 RA = RAILING  
 RF = TOP OF ROOF  
 RHP = RAMP  
 RR = ROOF RIDGE  
 SON = SON  
 SIP = SEWER INSPECTION PIT  
 SMH = SEWER MAIN HOLE  
 SSL = SEWER SURFACE LEVEL  
 STR = STAIRS  
 SUB = ELECTRICITY SUBSTATION  
 SVA = STOP VALVE  
 SVE = SEWER VENT  
 SWSL = STORMWATER SURFACE LEVEL  
 TAP = TAP  
 TB = TOP OF BANK  
 TFC = TOP OF FENCE  
 TG = TOP OF GUTTER  
 TFL = TILE  
 TLE = TREE LINE  
 TPI = TELETRA PIT  
 TR = TREE  
 TSL = TELETRA SURFACE LEVEL  
 TW = TOP OF WALL  
 UEL = UNDERSIDE OF EASE  
 USL = UNKNOWN SERVICE SURFACE LEVEL  
 VEH = VEHICLE HOUSING  
 VER = VERANDAH  
 WH = WATER METER  
 WE = WATER EDGE  
 WM = WATER METER  
 WPI = WATER PIT SPOT  
 WSL = WATER SURFACE LEVEL  
 WV = WATER VALVE  
 TREE  
 SPREAD-DIAMETER-HEIGHT-TAGNO.

EDT = END OF TRACE  
 FOD = FULL OF DEBRIS  
 UTO = UNABLE TO OPEN  
 UTT = UNABLE TO TRACE  
 UTL = UNABLE TO LOCATE

**"FOR EXTRA NOTES SEE SHEET 1"**

**HORIZONTAL DATUM:**  
 CO-ORDINATE SYSTEM: MGA  
 MARKS: ADOPTED: SM 405M & DPIDR621

**VERTICAL DATUM:**  
 DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
 B.M. ADOPTED: SM 405M  
 R.L. 2.50M (ORDER L3)  
 SOURCE: S.C.I.M.S. (18/09/19)

4	DETAIL UPDATED & BOUNDARY IDENTIFICATION	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	18/10/19

**CLIENT:**  
 SCHOOLS INFRASTRUCTURE NSW  
 C/- JOHN STAFF, LEVEL 5,  
 9 CASTLEREAGH STREET,  
 SYDNEY NSW 2000

**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.119562 NARRABEN EDUCATION PRECINCT, NARRABEN NSW 2101**

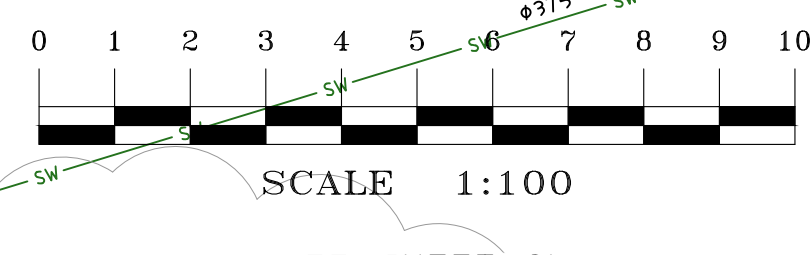
**C.M.S. Surveyors Pty Limited**  
 ACN: 096 240 201  
 PO Box 463 Dee Why NSW 2099  
 2/298 South Creek Road, Dee Why NSW 2099  
 Telephone: (02) 9971 4802  
 Facsimile: (02) 9971 4822  
 E-mail: info@cmsurveyors.com.au

LG: NORTHERN BEACHES	SHEET 27 OF 35
SURVEYED	DRAWN
ME/BS/HC	OP/HC
CHECKED	ME/BS/HC
APPROVED	DR
SURVEY INSTRUCTION	SCALE
18830A	1:500 AD
DRAWING NAME	DATE OF SURVEY
18830detail	14/10/2019
CAD FILE	ISSUE
18830detail_N.dwg	4

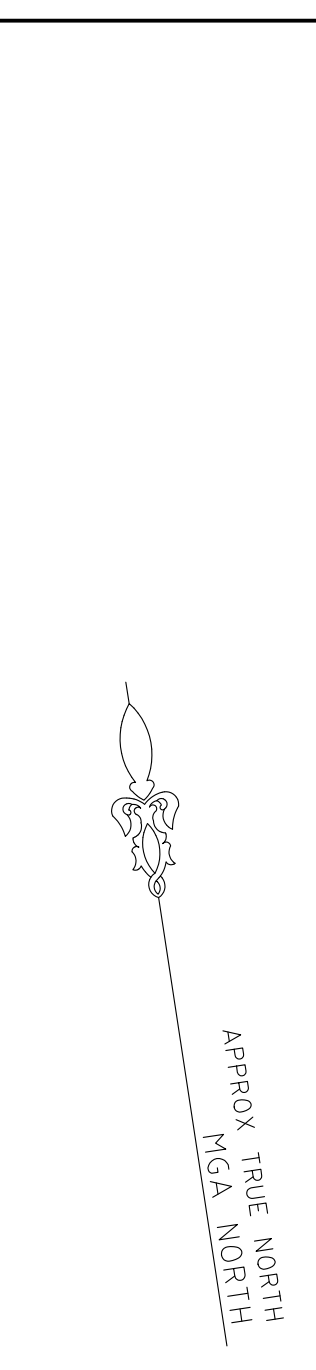
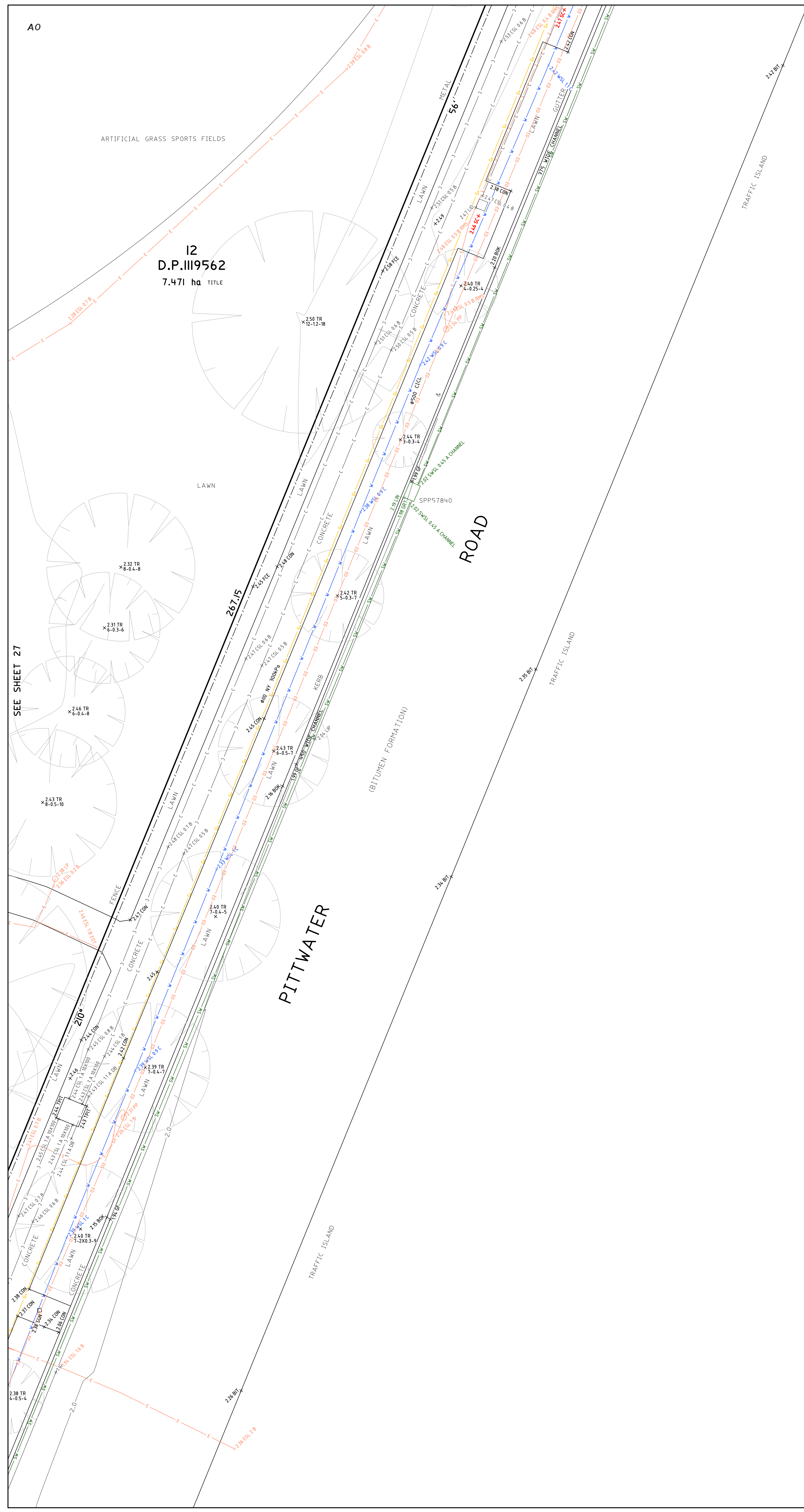
**LEGEND: (SEE NOTES 1)**

- COMMUNICATIONS LINES (UNDERGROUND)
- ELECTRICITY LINE (UNDERGROUND)
- GAS LINE
- SEWER LINE (UNDERGROUND)
- STORMWATER LINE
- TELETRA LINES
- UNKNOWN SERVICE (UNDERGROUND)
- WATER LINE (UNDERGROUND)

**NOTE:**  
 DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
 UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019



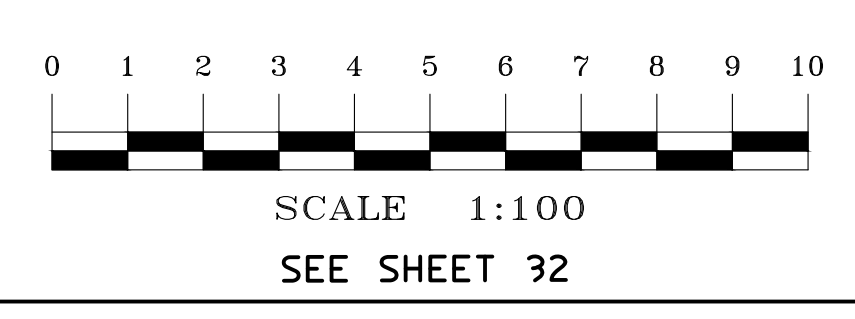




AO

SEE SHEET 27

SEE SHEET 32



- NOTES**
- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN.
  - WALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION.
  - IF CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT.
  - THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS PLAN MUST NOT BE USED FOR ANY OTHER MATTER, PURPOSE OR CONSTRUCTION SETOUT.
  - TREE SIZES ARE ESTIMATES ONLY.
  - THIS PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW.
  - RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGRAMMATIC ONLY WHERE EFFECTS ARE CRITICAL THEY SHOULD BE CONFIRMED BY FURTHER SURVEY.
  - EXCEPT WHERE SHOWN BY DIMENSION LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATIVE ONLY.
  - ONLY VISIBLE SERVICES HAVE BEEN LOCATED. UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. BAL BEFORE ROAD SERVICES (B4-1000) SHOULD BE USED AND A FULL SIGHT INVESTIGATION INCLUDING A UTILITY LOCATION SURVEY SHOULD BE UNDERTAKEN WITH CARE BEING TAKEN IN CARRYING OUT ANY CONSTRUCTION ACTIVITY IN OR NEAR THE SURVEYED AREA.
  - SEWER MAIN PLOTTED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION SHOULD BE MARKED ON SITE AS CRITICAL.
  - CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR.
  - CONTOURS SHOWN DEPICT THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION.
  - CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED.
  - POSITION OF RIDGE LINES ARE DIAGRAMMATIC ONLY (NOT TO SCALE).
  - THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:50.
  - DO NOT SCALE OFF THIS PLAN / FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.
  - COPYRIGHT © CHS SURVEYORS 2022.
  - NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM, WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER EXCEPT AS PERMITTED BY THE COPYRIGHT ACT 1964.
  - ANY PERMITTED DOWNLOADING, ELECTRONIC STORAGE, DISPLAY, PRINT, COPY OR REPRODUCTION OF THIS SURVEY SHOULD CONTAIN NO ALTERATION OR ADDITION TO THE ORIGINAL SURVEY.
  - THIS NOTICE MUST NOT BE ERASED.

**CMS SURVEYORS**  
 REGISTERED SURVEYOR BOSS NUMBER 1405

- LEGEND:**
- AW = AWNING
  - BAL = BALCONY
  - BB = BOTTOM OF BANK
  - BBQ = BARBECUE
  - BIT = BITUMEN
  - BLD = EXTERNAL BUILDING
  - BOX = BACK OF KERB
  - BOL = BOLLARD
  - BW = BOTTOM WALL
  - CHI = CHIMNEY
  - CL = CENTRELINE
  - CON = CONCRETE
  - CPT = COMMUNICATIONS PIT
  - CSL = COMMUNICATIONS SURFACE LEVEL
  - CUB = CUBBY HOUSE
  - DD = DISH DRAIN
  - DM = DAM
  - DMP = DOWN PIPE
  - DS = DOOR SILL LEVEL
  - EK = ELECTRICITY KIOSK
  - EPIL = ELECTRICITY PILLAR
  - EPIT = ELECTRICITY PIT
  - ESL = ELECTRICITY SURFACE LEVEL
  - FCE = FENCE
  - FHY = FIRE HYDRANT
  - FL = FLOOR LEVEL
  - GP = GAS CATHODIC PROTECTION
  - SON = GARDEN
  - GP = GUTTER LEVEL
  - GPT = GAS PIT
  - GRT = GRATE
  - GSL = GAS SURFACE LEVEL
  - GVA = GAS VALVE
  - HYD = HYDRANT
  - IL = INVERT LEVEL
  - IP = INVERT LEVEL PIT
  - LAN = LANDING
  - LID = MISCELLANEOUS PIT LID
  - LIN = LINEN
  - LIP = KERB LIP
  - LM = LINE MARKING
  - LP = LIGHT POLE
  - NS = NATURAL SURFACE
  - PAV = PAVING
  - POPE = PIPE OVER
  - PIT = TOP OF PIT
  - PM = PERMANENT SURVEY MARK
  - PTH = PATH
  - RA = RAILING
  - RF = TOP OF ROOF
  - RHP = RAMP
  - RR = ROOF RIDGE
  - SON = SIGN
  - SIP = SEWER INSPECTION PIT
  - SMH = SEWER MAN HOLE
  - SLL = SEWER SURFACE LEVEL
  - STR = STAIRS
  - SUB = ELECTRICITY SUBSTATION
  - SVA = STOP VALVE
  - SVE = SEWER VENT
  - SWSL = STORMWATER SURFACE LEVEL
  - TAP = TAP
  - TB = TOP OF BANK
  - TFCE = TOP OF FENCE
  - TG = TOP OF GUTTER
  - TFL = TILE
  - TLE = TELETRA PIT
  - TR = TREE
  - TSL = TELETRA SURFACE LEVEL
  - TW = TOP OF WALL
  - UEV = UNDERSIDE OF EAVE
  - USL = UNKNOWN SERVICE SURFACE LEVEL
  - VC = VEHICLE CROSSING
  - VER = VERANDAH
  - WH = WATER METER
  - WE = WATER EDGE
  - WHP = WATER PIP SPOT
  - WSL = WATER SURFACE LEVEL
  - WV = WATER VALVE
  - TR = TREE
  - SPREAD-DIAMETER-HEIGHT-TAGNO.
  - EDT = END OF TRACE
  - FOD = FULL OF DEBRIS
  - UTO = UNABLE TO OPEN
  - UTT = UNABLE TO TRACE
  - UTL = UNABLE TO LOCATE

"FOR EXTRA NOTES SEE SHEET 1"

**HORIZONTAL DATUM:**  
 CO-ORDINATE SYSTEM: MGA  
 MARKS ADOPTED: SSM 4054 & DP1018621

**VERTICAL DATUM:**  
 DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
 B.M. ADOPTED: SSM 4054  
 R.L. 2.50+ (ORDER L3)  
 SOURCE: S.C.I.M.S. (18/09/19)

NO.	DESCRIPTION	DATE
4	DETAIL UPDATED & BOUNDARY IDENT. UNDERGROUND SERVICES NOT UPDATED	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	18/10/19

**CLIENT:**  
 SCHOOLS INFRASTRUCTURE NSW  
 C/- JOHN STAFF, LEVEL 5,  
 9 CASTLEREAGH STREET,  
 SYDNEY NSW 2000

**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.119562 NARRABEEN EDUCATION PRECINCT, NARRABEEN NSW 2101**

**C.M.S. Surveyors Pty Limited**  
 ACN: 096 240 201  
 PO Box 463 Dee Why NSW 2099  
 2/298 South Creek Road, Dee Why NSW 2099  
 Telephone: (02) 9971 4802  
 Facsimile: (02) 9971 4822  
 E-mail: info@cmsurveyors.com.au

LG: NORTHERN BEACHES	SHEET 28 OF 35		
SURVEYED ME/BS/HC	DRAWN GP/HC	CHECKED ME/BS/HC	APPROVED DR
SURVEY INSTRUCTION 18830A	SCALE 1:100	DATE OF SURVEY 14/10/2019	DATE OF ISSUE 14/10/2019
DRAWING NAME 18830detail	CAD FILE 18830detail_N.dwg	ISSUE 4	

**NOTE:**  
 -DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
 -UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019

- LEGEND: (SEE NOTES 1)**
- = COMMUNICATIONS LINES (UNDERGROUND)
  - = ELECTRICITY LINE (UNDERGROUND)
  - = GAS LINE
  - = SEWER LINE (UNDERGROUND)
  - = STORMWATER LINE
  - = TELESTRAL LINES
  - = UNKNOWN SERVICE (UNDERGROUND)
  - = WATER LINE (UNDERGROUND)



**NOTES**

- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN.
- MALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION.
- IF CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT.
- THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS PLAN MUST NOT BE USED FOR ANY OTHER MATTER, PURPOSE OR CONSTRUCTION SETOUT.
- TREE SIZES ARE ESTIMATES ONLY.
- THIS PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW.
- RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGRAMMATIC ONLY WHERE EFFECTS ARE CRITICAL THEY SHOULD BE CONFIRMED BY FURTHER SURVEY.
- EXCEPT WHERE SHOWN BY DIMENSION LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATIVE ONLY.
- ONLY VISIBLE SERVICES HAVE BEEN LOCATED. UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. BAL BEFORE TO DO SERVICES (IN 1000 SHOULD BE USED AND A SOIL RESISTANT INVESTIGATION INCLUDING A UTILITY LOCATION SURVEY SHOULD BE UNDERTAKEN BEFORE CARRYING OUT ANY CONSTRUCTION ACTIVITY IN OR NEAR THE SURVEYED AREA.
- SLEWER MARK PLOTTED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION SHOULD BE MARKED ON SITE IF CRITICAL.
- CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR.
- CONTOURS SHOWN DEPICT THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION.
- CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED.
- POSITION OF RIDGE LINES ARE DIAGRAMMATIC ONLY (NOT TO SCALE).
- THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:100.
- DO NOT SCALE OFF THIS PLAN / FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.
- COPYRIGHT © CHS SURVEYORS 2022.
- NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER EXCEPT AS PERMITTED BY THE COPYRIGHT ACT 1968.
- ANY PERMITTED DOWNLOADING, ELECTRONIC STORAGE, DISPLAY, PRINT, COPY OR REPRODUCTION OF THIS SURVEY SHOULD CONTAIN NO ALTERATION OR ADDITION TO THE ORIGINAL SURVEY.
- THIS NOTICE MUST NOT BE ERASED.

STEPHEN J. O'BRYEN  
REGISTERED SURVEYOR BOSS NUMBER 905

**LEGEND:**

- AW = AWNING
- BAL = BAL CONY
- BB = BOTTOM OF BANK
- BBS = BARBERQUE
- BT = BUTTREN
- BLD = EXTERNAL BUILDING
- BRK = BACK OF KERB
- BOL = BOLLARD
- BW = BOTTOM WALL
- CHI = CHIMNEY
- CL = CENTRELINE
- CON = CONCRETE
- CPT = COMMUNICATIONS PIT
- CSL = COMMUNICATIONS SURFACE LEVEL
- CUB = CUBBY HOUSE
- DD = DISH DRAIN
- DM = DAM
- DMP = DOWN PIPE
- DS = DOOR SILL LEVEL
- EK = ELECTRICITY KNOCK
- EPIL = ELECTRICITY PILLAR
- EPIT = ELECTRICITY PIT
- ESL = ELECTRICITY SURFACE LEVEL
- FCE = FENCE
- FHY = FIRE HYDRANT
- FL = FLOOR LEVEL
- GCP = GAS CATHODIC PROTECTION
- GON = GARDEN
- GP = GUTTER LEVEL
- GPT = GAS PIT
- GRT = GRATE
- GSL = GAS SURFACE LEVEL
- GVA = GAS VALVE
- HYD = HYDRANT
- IL = INVERT LEVEL
- IP = INVERT LEVEL PIT
- LAN = LANDING
- LID = MISCELLANEOUS PIT LID
- LIN = LEVEL
- LIP = KERB LIP
- LM = LINE MARKING
- LP = LIGHT POLE
- NS = NATURAL SURFACE
- PAV = PAVING
- PIPE = PIPE JOINT
- PIT = TOP OF PIT
- PM = PERMANENT SURVEY MARK
- PTH = PATH
- RA = RAILING
- RF = TOP OF ROOF
- RFP = RAMP
- RR = ROOF RIDGE
- SOM = SIGN
- SIP = SEWER INSPECTION PIT
- SMP = SEWER MAN HOLE
- SSEL = SEWER SURFACE LEVEL
- STR = STAIRS
- SUB = ELECTRICITY SUBSTATION
- SVA = STOP VALVE
- SVE = SEWER VENT
- SWSL = STORMWATER SURFACE LEVEL
- TAP = TAP
- TB = TOP OF BANK
- TECE = TOP OF FENCE
- TG = TOP OF GUTTER
- TFL = TILE
- TLE = TREE LINE
- TREP = TELSTRA PIT
- TR = TREE
- TSL = TELSTRA SURFACE LEVEL
- TW = TOP OF WALL
- UEV = UNDERSIDE OF EAVE
- USL = UNKNOWN SERVICE SURFACE LEVEL
- VC = VEHICLE CROSSING
- VER = VERANDAH
- WE = WATERS EDGE
- WH = WATER METER
- WPIF = WATER PIT OPEN
- WSL = WATER SURFACE LEVEL
- WV = WATER VALVE
- WV = WATER VALVE
- WV = WATER VALVE
- TREE  
SPREAD-DIAMETER-HEIGHT-TAGNO.
- EDT = END OF TRACE
- FOD = FULL OF DEBRIS
- UTO = UNABLE TO OPEN
- UTT = UNABLE TO TRACE
- UTL = UNABLE TO LOCATE

"FOR EXTRA NOTES SEE SHEET 1"

**HORIZONTAL DATUM:**  
CO-ORDINATE SYSTEM: MGA  
MARKS ADAPTED: SSM 4054i & DPI0862i

**VERTICAL DATUM:**  
DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
B.M. ADOPTED: SSM 4054i  
R.L. 2.50m (ORDER L3)  
SOURCE: S.C.I.M.S. (18/09/19)

NO.	DESCRIPTION	DATE
4	DETAIL UPDATED & BOUNDARY IDENT. UNDERGROUND SERVICES NOT UPDATED	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	18/10/19

**CLIENT:**  
SCHOOLS INFRASTRUCTURE NSW  
C/- JOHN STAFF, LEVEL 5,  
9 CASTLEREAGH STREET,  
SYDNEY NSW 2000

**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.1119562**  
NARRABEN EDUCATION PRECINCT,  
NARRABEN NSW 2101

**C.M.S. Surveyors Pty Limited**  
ACN: 096 240 201  
RD Box 463 Dee Why NSW 2089  
2/298 South Creek Road, Dee Why NSW 2089  
Telephone: (02) 9971 4802  
Facsimile: (02) 9971 4822  
E-mail: info@cmsurveyors.com.au

LG: NORTHERN BEACHES SHEET 29 OF 35

SURVEYED	DRAWN	CHECKED	APPROVED
ME/BS/HC	GP/HC	ME/BS/HC	DR

SURVEY INSTRUCTION I8830A  
SCALE: 1:100  
DATE OF SURVEY: 14/10/19

DRAWING NAME: I8830detail  
CAD FILE: I8830detail.mxd  
ISSUE: 4

7875  
D.P.1051160

4118999

APPROX. TRUE NORTH  
MGA NORTH

**LEGEND: (SEE NOTES 1)**

- COMMUNICATIONS LINES (UNDERGROUND)
- ELECTRICITY LINE (UNDERGROUND)
- GAS LINE
- SEWER LINE (UNDERGROUND)
- STORMWATER LINE
- TELSTRA LINES
- UNKNOWN SERVICE (UNDERGROUND)
- WATER LINE (UNDERGROUND)



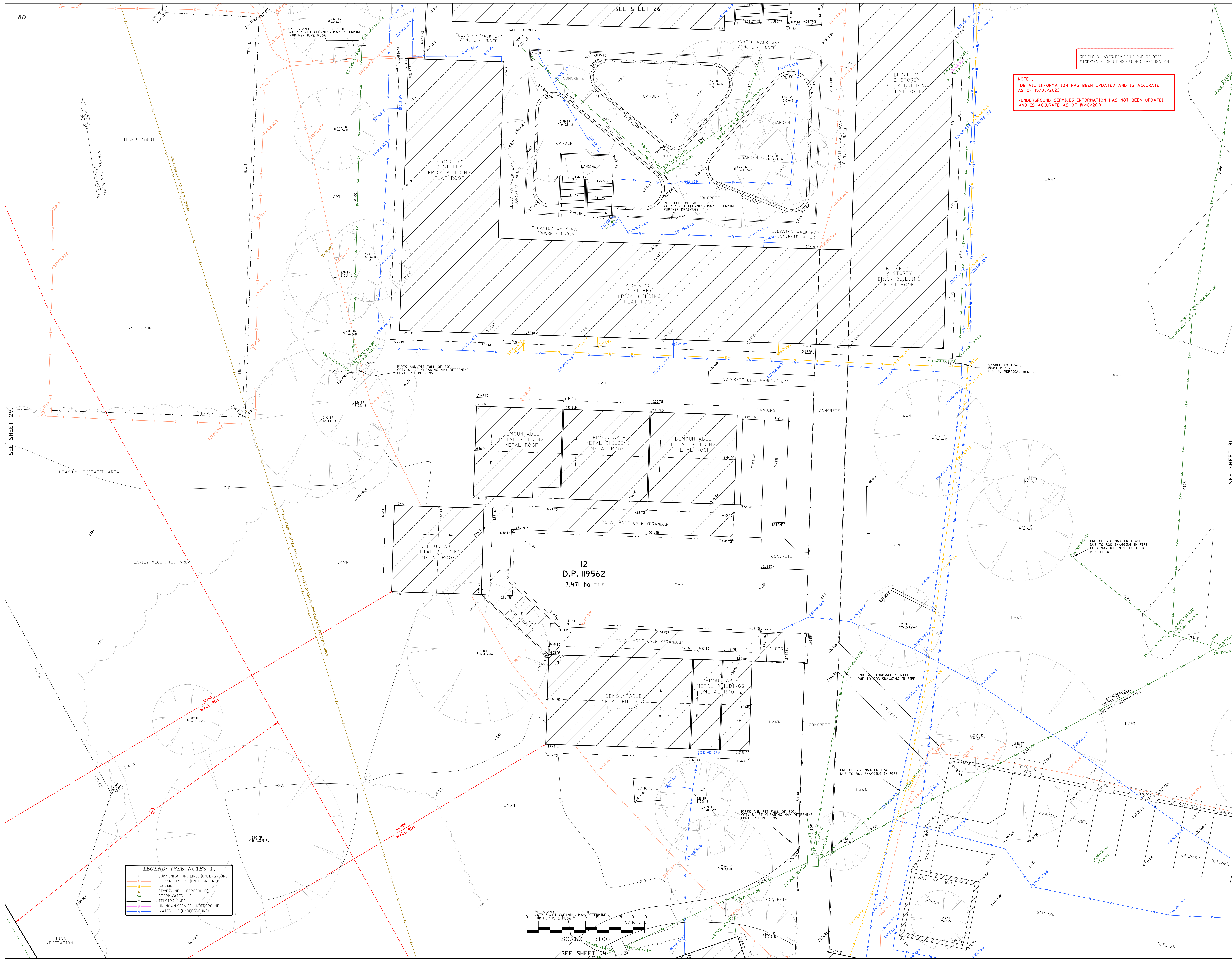
MULLET

CREEK

EASTERN BANK OF MULLET CREEK (APPROXIMATE POSITION) (IDE D.P.119562)

SEE SHEET 30





**NOTE 1**  
 -DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
 -UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019

- NOTES**
- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN.
  - WALL TO BOUNDARY DIMENSIONS SHOWN HEREON NOT TO BE USED FOR CONSTRUCTION.
  - CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON ADJACENT TO PROPERTY BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT.
  - THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS PLAN MUST NOT BE USED FOR ANY OTHER MATTER, PURPOSE OR CONSTRUCTION SETOUT.
  - TREE SIZES ARE ESTIMATES ONLY.
  - THIS PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW.
  - RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGRAMMATIC ONLY WHERE EFFECTS ARE CRITICAL, THEY SHOULD BE CONFIRMED BY FURTHER SURVEY.
  - EXCEPT WHERE SHOWN BY DIMENSION LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATIVE ONLY.
  - ONLY VISIBLE SERVICES HAVE BEEN LOCATED. UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. BAL BEFORE 2003 SERVICES (IN 1900 SHOULD BE USED) AND BAL BEFORE 2003 SERVICES (IN 1900 SHOULD BE USED) SHOULD BE LOCATED AND INVESTIGATED. RELEVANT A UTILITY LOCATION SURVEY SHOULD BE CONDUCTED PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY IN OR NEAR THE SURVEYED AREA.
  - SEWER MAIN PLOTTED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION SHOULD BE MARKED ON SITE AS CRITICAL.
  - CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR.
  - CONTOURS SHOWN DEPICT THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION.
  - CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED.
  - POSITION OF RIDGE LINES ARE DIAGRAMMATIC ONLY (NOT TO SCALE).
  - THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:100. PREFERENCE TO LOCAL DIMENSIONS.
  - DO NOT SCALE OFF THIS PLAN. FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO LOCAL DIMENSIONS.
  - COPYRIGHT © C.M.S. SURVEYORS 2022
  - NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM, WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER EXCEPT AS PERMITTED BY THE COPYRIGHT ACT 1969.
  - ANY PERMITTED DOWNLOADING, ELECTRONIC STORAGE, DISPLAY, PRINT, COPY OR REPRODUCTION OF THIS SURVEY SHOULD CONTAIN NO ALTERATION OR ADDITION TO THE ORIGINAL SURVEY.
  - THIS NOTICE MUST NOT BE ERASED.

**LEGEND:**

AW	= ANNING
BAL	= BALCONY
BB	= BOTTOM OF BANK
BBQ	= BARBEQUE
BT	= BUTTRESS
BO	= BACK OF KERB
BLD	= EXTERNAL BUILDING
BOB	= BACK OF KERB
BOL	= BOLLARD
BW	= BOTTOM WALL
CH	= CHIMNEY
CON	= CONCRETE
CPT	= COMMUNICATIONS PIT
CSL	= COMMUNICATIONS SURFACE LEVEL
CUB	= CUBBY HOUSE
DD	= DISH DRAIN
DM	= DAM
DMP	= DOWN PIPE
DS	= DOOR SILL LEVEL
EK	= ELECTRICITY KIOSK
EPIL	= ELECTRICITY PILLAR
EPIT	= ELECTRICITY PIT
ESL	= ELECTRICITY SURFACE LEVEL
FCE	= FENCE
FHY	= FIRE HYDRANT
FL	= FLOOR LEVEL
GCP	= GAS CATHODIC PROTECTION
SON	= GAS PIT
GP	= GUTTER LEVEL
GPT	= GAS PIT
GRT	= GRATE
GSL	= GAS SURFACE LEVEL
GVA	= GAS VALVE
HID	= HYDRANT
IL	= INVERT LEVEL
IP	= INVERT LEVEL PIT
LAN	= LANDING
LID	= MISCELLANEOUS PIT LID
LIN	= LINEN LEVEL
LIP	= KERB LIP
LM	= LIME MARKING
LP	= LIGHT POLE
NP	= NATURAL SURFACE
PAY	= PAVING
PIP	= PIPE OVER
PIT	= TOP OF PIT
PM	= PERMANENT SURVEY MARK
PTH	= PATH
RA	= RAILING
RF	= TOP OF ROOF
RMP	= RAMP
RR	= ROOF RIDGE
SON	= SON
SIP	= SEWER INSPECTION PIT
SMP	= SEWER MAIN HOLE
SRL	= SEWER SURFACE LEVEL
STR	= STAIRS
SUB	= ELECTRICITY SUBSTATION
SVA	= STOP VALVE
SVE	= SEWER VENT
SWSL	= STORMWATER SURFACE LEVEL
TAP	= TAP
TB	= TOP OF BANK
TFE	= TOP OF FENCE
TG	= TOP OF GUTTER
TFL	= TIE
TLE	= TREE LINE
TPT	= TELETRA PIT
TR	= TREE
TSL	= TELETRA SURFACE LEVEL
TW	= TOP OF WALL
UV	= UNDERSIDE OF EASE
USL	= UNKNOWN SERVICE SURFACE LEVEL
V	= VEHICLE CROSSING
VER	= VERANDAH
WE	= WATER EDGE
WH	= WATER METER
WPT	= WATER PIT SPOT
WSL	= WATER SURFACE LEVEL
WV	= WATER VALVE
WT	= WATER TOWER
WV	= WATER VALVE

**"FOR EXTRA NOTES SEE SHEET 1"**

**HORIZONTAL DATUM:**  
 CO-ORDINATE SYSTEM: MGA  
 MARKS: ADOPTED: SM 405M & DP108621

**VERTICAL DATUM:**  
 DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
 B.M. ADOPTED: SM 405M  
 R.L. 2.50M (ORDER L3)  
 SOURCE: S.C.I.M.S. (18/09/19)

4	DETAIL UPDATED & BOUNDARY IDENT. UNDERGROUND SERVICES NOT UPDATED	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	31/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	16/10/19

**CLIENT:**  
 SCHOOLS INFRASTRUCTURE NSW  
 C/- JOHN STAFF, LEVEL 5,  
 9 CASTLEBAUGH STREET,  
 SYDNEY NSW 2000

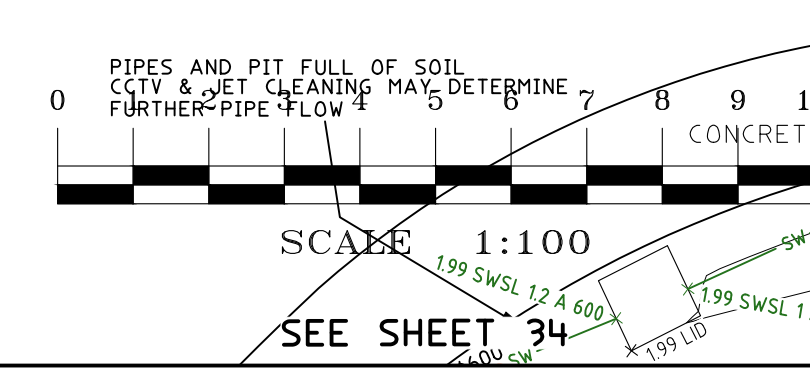
**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.1119562  
 NARRABEN EDUCATION PRECINCT, NARRABEN NSW 2101**

**C.M.S. Surveyors Pty Limited**  
 ACN: 096 240 201  
 PO Box 463 Dee Why NSW 2099  
 2/298 South Cross Road, Dee Why NSW 2099  
 Telephone: (02) 9971 4800  
 Facsimile: (02) 9971 4822  
 E-mail: info@cmsurveyors.com.au

LG: NORTHERN BEACHES	CHECKED	30	35
SURVEYED	DRAWN	ME/BS/HC	APPROVED DR
ME/BS/HC	OP/HC	ME/BS/HC	DATE OF SURVEY
SURVEY INSTRUCTION	SCALE	DATE OF SURVEY	ISSUE
18830A	1:100	14/10/19	18830detail
DRAWING NAME	ISSUE		
18830detail	4		

**LEGEND (SEE NOTES 1)**

C	= COMMUNICATIONS LINES (UNDERGROUND)
E	= ELECTRICITY LINE (UNDERGROUND)
G	= GAS LINE
S	= SEWER LINE (UNDERGROUND)
SW	= STORMWATER LINE
T	= TELETRA LINES
U	= UNKNOWN SERVICE (UNDERGROUND)
W	= WATER LINE (UNDERGROUND)





**NOTE:**  
 -DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
 -UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019

**NOTES:**  
 -BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN  
 -MALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION  
 -IF CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT  
 -THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS PLAN MUST NOT BE USED FOR ANY OTHER MATTER, PURPOSE OR CONSTRUCTION SETOUT  
 -TREE SIZES ARE ESTIMATES ONLY  
 -THIS PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW  
 -RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGRAMMATIC ONLY WHERE EFFECTS ARE CRITICAL, THEY SHOULD BE CONFIRMED BY FURTHER SURVEY  
 -EXCEPT WHERE SHOWN BY DIMENSION LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATIVE ONLY  
 -ONLY VISIBLE SERVICES HAVE BEEN LOCATED. UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. DO NOT REMOVE OR ALTER SERVICES. IF SERVICES ARE TO BE REMOVED OR ALTERED, INVESTIGATION INCLUDING A UTILITY LOCATION SURVEY, IN OR NEAR THE SURVEYED AREA  
 -SEWER MAIN PLOTTED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION SHOULD BE MARKED ON SITE BY CRITICAL  
 -CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR  
 -CONTOURS SHOWN DEPICT THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATIONS OF QUANTITIES WITH CAUTION  
 -CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED  
 -POSITION OF RIDGE LINES ARE DIAGRAMMATIC ONLY (NOT TO SCALE)  
 -THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:100  
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 -COPYRIGHT © CHS SURVEYORS 2022  
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 -THIS NOTICE MUST NOT BE ERASED

**LEGEND:**

AW	ANNING
BAL	BALCONY
BB	BOTTOM OF BANK
BBO	BARBECUE
BLD	EXTERNAL BUILDING
BO	BACK OF KERB
BOL	BOLLARD
CA	CARPARK
CHI	CHIPNEY
CON	CONCRETE
CPTI	COMMUNICATIONS PIT
CSL	COMMUNICATIONS SURFACE LEVEL
CUB	CUBBY HOUSE
DD	DISH DRAIN
DM	DAH
DNP	DRAIN PIPE
DS	DOOR SILL LEVEL
EK	ELECTRICITY KIOSK
EPIL	ELECTRICITY PILLAR
EPIT	ELECTRICITY PIT
ESL	ELECTRICITY SURFACE LEVEL
FCE	FENCE
FHY	FIRE HYDRANT
FL	FLOOR LEVEL
GCP	GAS CATHODIC PROTECTION
GN	GAS PIT
GP	GUTTER LEVEL
GRT	GRATE
GSL	GAS SURFACE LEVEL
GVA	GAS VALVE
HID	HYDRANT
IL	INVERT LEVEL
IP	INVERT LEVEL PIT
LAN	LANDING
LID	MISCELLANEOUS PIT LID
LIN	LINE
LIP	KERB LIP
LM	LINE MARKING
LP	LIGHT POLE
NS	NATURAL SURFACE
PAV	PAVING
RIP	PIPE RISERT
PIT	PIT
PM	PERMANENT SURVEY MARK
PTH	PATH
RA	RAILING
RF	TOP OF ROOF
RR	ROOF RIDGE
SR	SEWER
SIP	SEWER INSPECTION PIT
SM	SEWER MAN HOLE
SLL	SEWER SURFACE LEVEL
STR	STAIRS
SSB	ELECTRICITY SUBSTATION
SVA	STOP VALVE
SVE	SEWER VENT
SWSL	STORMWATER SURFACE LEVEL
TAP	TOP OF BANK
TB	TOP OF BANK
TFC	TOP OF FENCE
TG	TOP OF GUTTER
TIL	FILE
TLE	TREE LINE
TPT	TELESTRUT PIT
TR	TREE
TSL	TELESTRUT SURFACE LEVEL
TW	TOP OF WALL
UL	UNDERSIDE OF EASE
USL	UNKNOWN SERVICE SURFACE LEVEL
V	VEHICLE WASHING
VER	VERANDAH
WH	WATER METER
WHT	WATER PIT DRY
WSL	WATER SURFACE LEVEL
WV	WATER VALVE
	TREE
	SPREAD-DIAMETER-HEIGHT-TAGNO.
DOT	END OF TRACE
FOD	FULL OF DEBRIS
UTO	UNABLE TO OPEN
UTT	UNABLE TO TRACE
UTL	UNABLE TO LOCATE

**"FOR EXTRA NOTES SEE SHEET 1"**  
**HORIZONTAL DATUM:**  
 CO-ORDINATE SYSTEM: MGA  
 MARKS: ADOPTED: SM 405M & DPOIR621  
**VERTICAL DATUM:**  
 DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
 B.M. ADOPTED: SM 405M  
 R.L. 2.50M (ORDER L3)  
 SOURCE: S.C.I.M.S. (18/09/19)

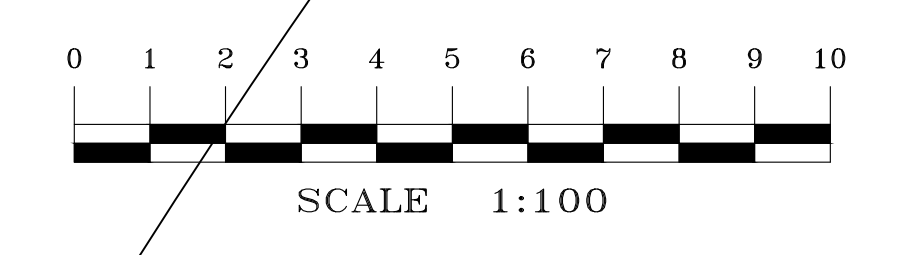
4	DETAIL UPDATED & BOUNDARY IDENT. UNDERGROUND SERVICES NOT UPDATED	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	18/10/19

**CLIENT:**  
 SCHOOLS INFRASTRUCTURE NSW  
 C/- JOHN STAFF, LEVEL 5,  
 9 CASTLELEAGH STREET,  
 SYDNEY NSW 2000

**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.1119562 NARRABEN EDUCATION PRECINCT, NARRABEN NSW 2101**

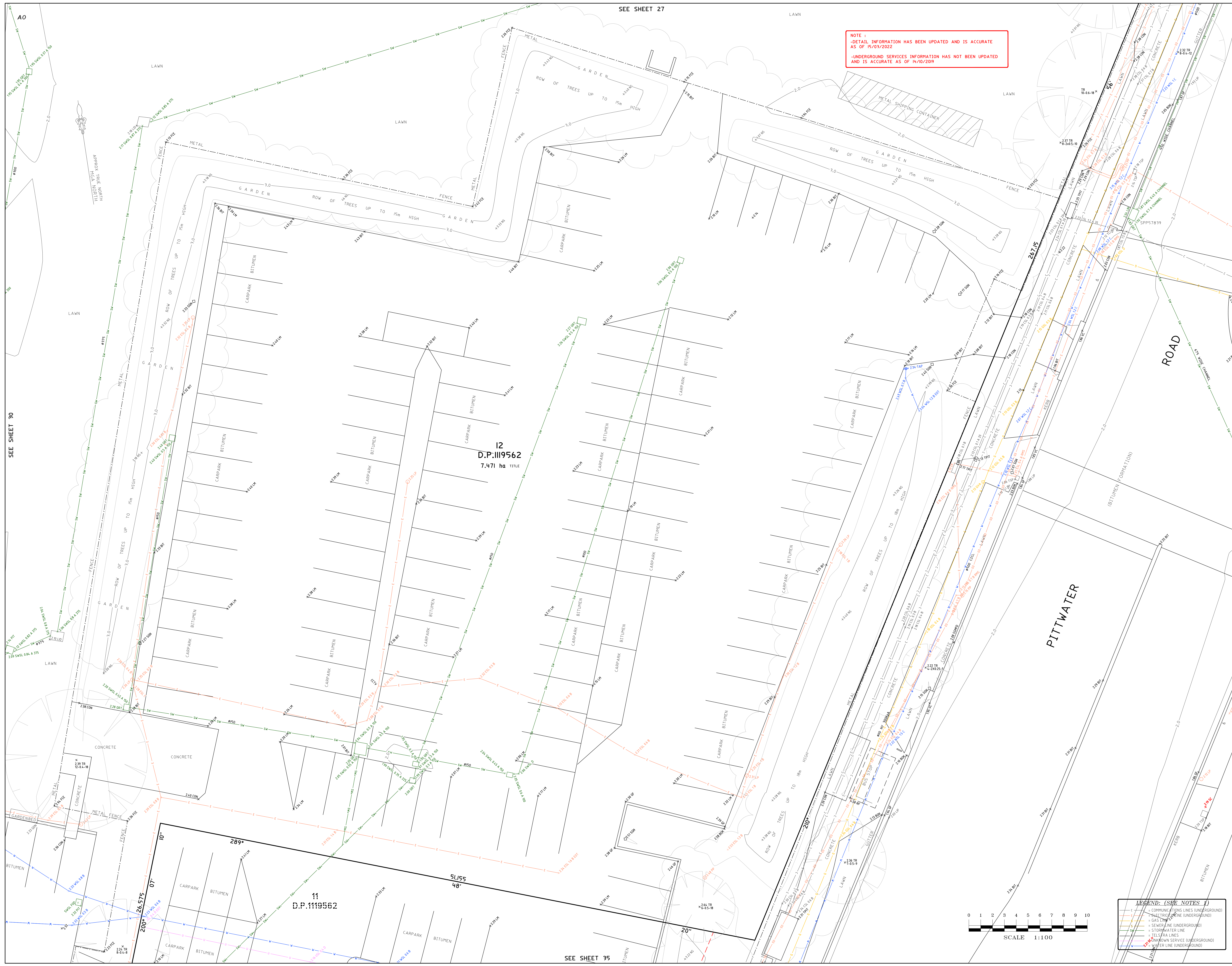
**C.M.S. Surveyors Pty Limited**  
 SURVEYORS  
 ACN: 096 240 201  
 PO Box 463 Dee Why NSW 2099  
 2/298 South Creek Road, Dee Why NSW 2099  
 Telephone: (02) 9971 4800  
 Facsimile: (02) 9971 4822  
 E-mail: info@cmsurveyors.com.au

LGA: NORTHERN BEACHES SHEET 31 OF 35  
 SURVEYED ME/BS/HC DRAWN GP/HC CHECKED ME/BS/HC APPROVED DR  
 SURVEY INSTRUC 18830A  
 SCALE 1:100  
 DATE OF SURVEY 14/10/2019  
 DRAWING NAME 18830detail  
 ISSUE 4  
 CAD FILE 18830detail\_n.dwg

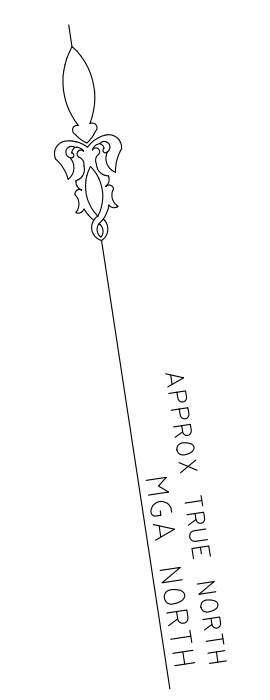
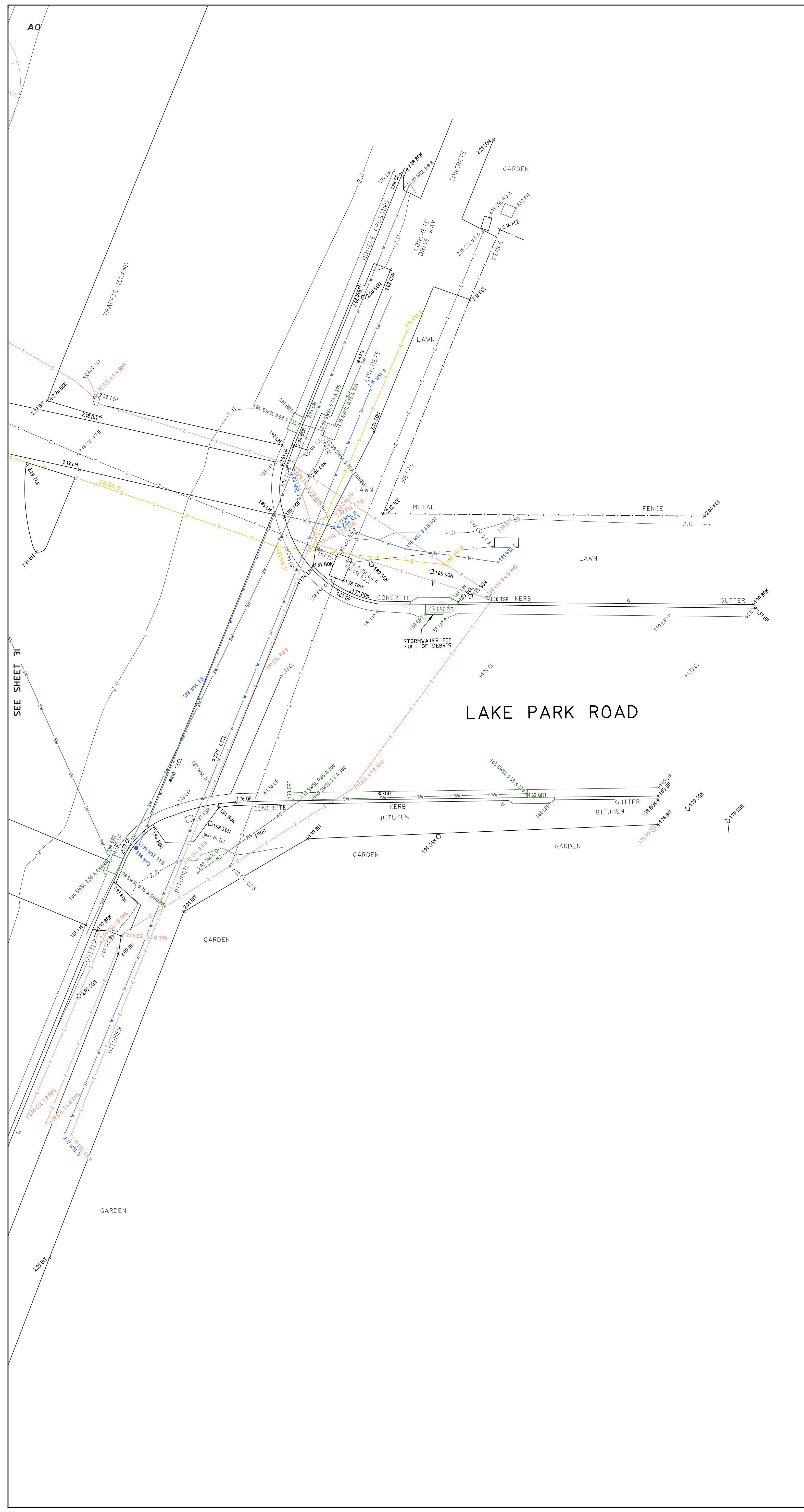


**LEGEND: (SEE NOTES 1)**

1	COMMUNICATIONS LINES (UNDERGROUND)
2	ELECTRICITY LINES (UNDERGROUND)
3	GAS LINES (UNDERGROUND)
4	SEWER LINES (UNDERGROUND)
5	STORMWATER LINES
6	TELEPHONE LINES
7	UNKNOWN SERVICE (UNDERGROUND)
8	WATER LINES (UNDERGROUND)







- NOTES**
- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN.
  - MALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION.
  - IF CONSTRUCTION IS INTENDED TO BE UNDERTAKEN ON OR ADJACENT TO PROPERTY BOUNDARIES THE BOUNDARIES OF THE LAND MUST BE MARKED ON THE BUILDING SETOUT.
  - THIS SURVEY IS FOR DESIGN PURPOSES OF THE SUBJECT LAND ONLY. THIS PLAN MUST NOT BE USED FOR ANY OTHER MATTER, PURPOSE OR CONSTRUCTION SETOUT.
  - TREE SIZES ARE ESTIMATES ONLY.
  - THIS PLAN HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF SCHOOLS INFRASTRUCTURE NSW.
  - RELATIONSHIP OF IMPROVEMENTS TO BOUNDARIES IS DIAGRAMMATIC ONLY WHERE EFFECTS ARE CRITICAL THEY SHOULD BE CONFIRMED BY FURTHER SURVEY.
  - EXCEPT WHERE SHOWN BY DIMENSION LOCATION OF DETAIL WITH RESPECT TO BOUNDARIES IS INDICATIVE ONLY.
  - ONLY VISIBLE SERVICES HAVE BEEN LOCATED. UNDERGROUND SERVICES HAVE NOT BEEN LOCATED. BAL BEFORE TO DO SERVICES (IN 1000 SHOULD BE USED AND A FULL SIGHT INVESTIGATION INCLUDING A UTILITY LOCATION SURVEY SHOULD BE UNDERTAKEN WITH CARE BEING TAKEN IN CARRYING OUT ANY CONSTRUCTION ACTIVITY IN OR NEAR THE SURVEYED AREA.
  - SEWER MAIN PLOTTED FROM SYDNEY WATER SEWER DIAGRAM. LOCATION SHOULD BE MARKED ON SITE AS CRITICAL.
  - CRITICAL SPOT LEVELS SHOULD BE CONFIRMED WITH SURVEYOR.
  - CONTOURS SHOWN DEPICT THE TOPOGRAPHY. THEY DO NOT REPRESENT THE EXACT LEVEL AT ANY PARTICULAR POINT. ONLY SPOT LEVELS SHOULD BE USED FOR CALCULATION OF QUANTITIES WITH CAUTION.
  - CONTOUR INTERVAL - 0.5 metre - SPOT LEVELS SHOULD BE ADOPTED.
  - POSITION OF RIDGE LINES ARE DIAGRAMMATIC ONLY (NOT TO SCALE).
  - THE INFORMATION IS ONLY TO BE USED AT A SCALE ACCURACY OF 1:50.
  - DO NOT SCALE OFF THIS PLAN. FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.
  - COPYRIGHT © CHS SURVEYORS 2022.
  - NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM, WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER EXCEPT AS PERMITTED BY THE COPYRIGHT ACT 1964.
  - ANY PERMITTED DOWNLOADING, ELECTRONIC STORAGE, DISPLAY, PRINT, COPY OR REPRODUCTION OF THIS SURVEY SHOULD CONTAIN NO ALTERATION OR ADDITION TO THE ORIGINAL SURVEY.
  - THIS NOTICE MUST NOT BE ERASED.

STEPHEN DREYER  
REGISTERED SURVEYOR BOSS NUMBER 1405

- LEGEND:**
- AW = AWNING
  - BAL = BALCONY
  - BB = BOTTOM OF BANK
  - BBQ = BARBECUE
  - BIT = BITUMEN
  - BLD = EXTERNAL BUILDING
  - BOK = BACK OF KERB
  - BOL = BOLLARD
  - BR = BOTTOM RAIL
  - CHI = CHIMNEY
  - CL = CENTRELINE
  - CON = CONCRETE
  - CPT = COMMUNICATIONS PIT
  - CSL = COMMUNICATIONS SURFACE LEVEL
  - CUB = CUBBY HOUSE
  - DD = DISH DRAIN
  - DM = DAM
  - DMP = DOWN PIPE
  - DS = DOOR SILL LEVEL
  - EK = ELECTRICITY KIOSK
  - EPIL = ELECTRICITY PILLAR
  - EPIT = ELECTRICITY PIT
  - ESL = ELECTRICITY SURFACE LEVEL
  - FCE = FENCE
  - FHY = FIRE HYDRANT
  - FL = FLOOR LEVEL
  - GCP = GAS CATHODIC PROTECTION
  - SON = GARDEN
  - GP = GUTTER LEVEL
  - GPT = GAS PIT
  - GRT = GRATE
  - GSL = GAS SURFACE LEVEL
  - GVA = GAS VALVE
  - HID = HYDRANT
  - IL = INVERT LEVEL
  - IP = INVERT LEVEL PIT
  - LAN = LANDING
  - LID = MISCELLANEOUS PIT LID
  - LIN = LEVEL
  - LIP = KERB LIP
  - LM = LINE MARKING
  - LP = LIGHT POLE
  - NS = NATURAL SURFACE
  - PAV = PAVING
  - POPE = PIPE OVERLAP
  - PIT = TOP OF PIT
  - PM = PERMANENT SURVEY MARK
  - PTH = PATH
  - RA = RAILING
  - RF = TOP OF ROOF
  - RHP = RAMP
  - RR = ROOF RIDGE
  - SON = SIGN
  - SIP = SEWER INSPECTION PIT
  - SMH = SEWER MAN HOLE
  - SLL = SEWER SURFACE LEVEL
  - STR = STAIRS
  - SUB = ELECTRICITY SUBSTATION
  - SVA = STOP VALVE
  - SVE = SEWER VENT
  - SWSL = STORMWATER SURFACE LEVEL
  - TAP = TAP
  - TB = TOP OF BANK
  - TFCE = TOP OF FENCE
  - TG = TOP OF GUTTER
  - TFL = TILE
  - TLE = TREE LINE
  - TRIT = TRIP PIT
  - TR = TREE
  - TSL = TELETRA SURFACE LEVEL
  - TW = TOP OF WALL
  - UEV = UNDERSIDE OF EAVE
  - USL = UNKNOWN SERVICE SURFACE LEVEL
  - VC = VEHICLE CROSSING
  - VER = VERANDAH
  - WE = WATER EDGE
  - WH = WATER METER
  - WPIE = WATER PIT SPOT
  - WSL = WATER SURFACE LEVEL
  - WV = WATER VALVE
  - TR = TREE
  - SPREAD-DIAMETER-HEIGHT-TAGNO.
  - EDT = END OF TRACE
  - FOD = FULL OF DEBRIS
  - UTO = UNABLE TO OPEN
  - UTT = UNABLE TO TRACE
  - UTL = UNABLE TO LOCATE

"FOR EXTRA NOTES SEE SHEET 1"

**HORIZONTAL DATUM:**  
CO-ORDINATE SYSTEM: MGA  
MARKS: ADOPTED: SSM 405M & DP10R621

**VERTICAL DATUM:**  
DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
B.M. ADOPTED: SSM 405M  
R.L. 2.50M (ORDER L3)  
SOURCE: S.C.I.M.S. (18/09/19)

4	DETAIL UPDATED & BOUNDARY IDENTIFICATION	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	18/10/19

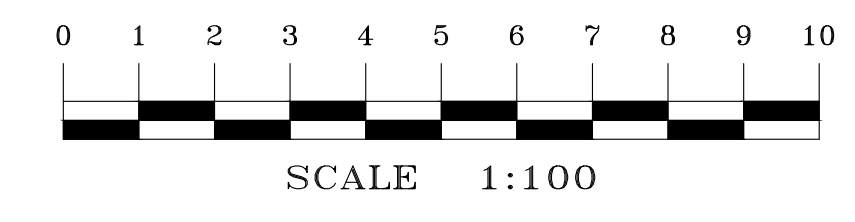
**CLIENT:**  
SCHOOLS INFRASTRUCTURE NSW  
C/- JOHN STAFF, LEVEL 5,  
9 CASTLEREAGH STREET,  
SYDNEY NSW 2000

**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.1119562 NARRABEN EDUCATION PRECINCT, NARRABEN NSW 2101**

**C.M.S. Surveyors Pty Limited**  
ACN: 096 240 201  
PO Box 463 Dee Why NSW 2099  
2/298 South Creek Road, Dee Why NSW 2099  
Telephone: (02) 9971 4802  
Facsimile: (02) 9971 4822  
E-mail: info@cmsurveyors.com.au

**NOTE:**  
-DETAIL INFORMATION HAS BEEN UPDATED AND IS ACCURATE AS OF 15/03/2022  
-UNDERGROUND SERVICES INFORMATION HAS NOT BEEN UPDATED AND IS ACCURATE AS OF 14/10/2019

- LEGEND: (SEE NOTES 1)**
- = COMMUNICATIONS LINES (UNDERGROUND)
  - = ELECTRICITY LINE (UNDERGROUND)
  - = GAS LINE
  - = SEWER LINE (UNDERGROUND)
  - = STORMWATER LINE
  - = TELESTRAL LINES
  - = UNKNOWN SERVICE (UNDERGROUND)
  - = WATER LINE (UNDERGROUND)

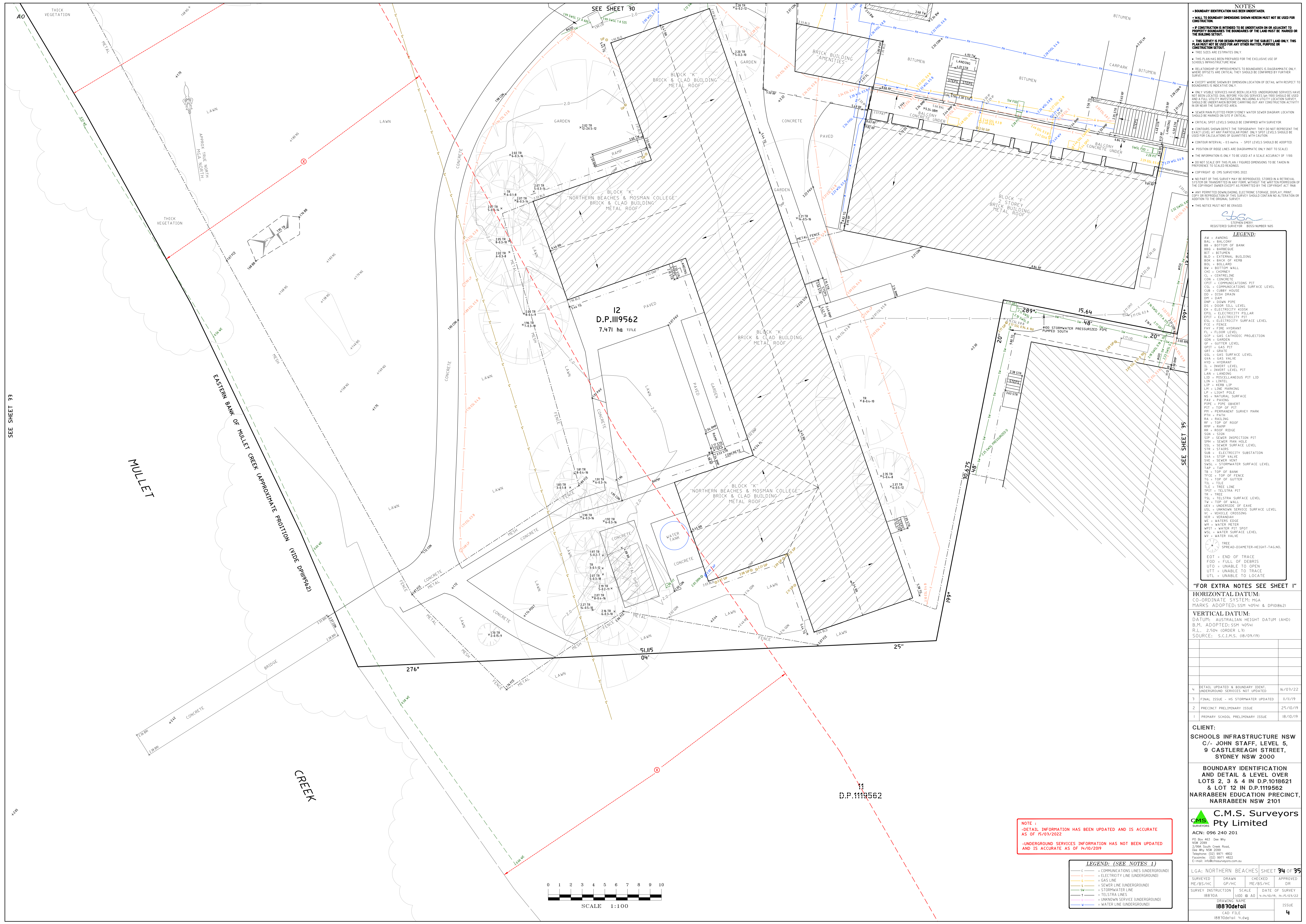


LG: NORTHERN BEACHES SHEET 32 OF 35	
SURVEYED ME/BS/HC	DRAWN GP/HC
CHECKED ME/BS/HC	APPROVED DR
SURVEY INSTRUCTION 18830A	SCALE 1:100
ISSUED 14/10/19	DATE OF SURVEY 14/10/19
DRAWING NAME 18830detail	ISSUE 4
CAD FILE 18830detail_N.dwg	









SEE SHEET 33

220

- NOTES**
- BOUNDARY IDENTIFICATION HAS BEEN UNDERTAKEN.
  - WALL TO BOUNDARY DIMENSIONS SHOWN HEREIN MUST NOT BE USED FOR CONSTRUCTION.
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  - COPYRIGHT © C.M.S. SURVEYORS 2022.
  - NO PART OF THIS SURVEY MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM WITHOUT THE WRITTEN PERMISSION OF THE COPYRIGHT OWNER EXCEPT AS PERMITTED BY THE COPYRIGHT ACT 1964.
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  - HYD = HYDRANT
  - IL = INVERT LEVEL
  - IP = INVERT LEVEL PIT
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  - LIP = KERB LIP
  - LM = LINE MARKING
  - LP = LIGHT POLE
  - NS = NATURAL SURFACE
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  - PIP = PIPE OVERST
  - PIT = TOP OF PIT
  - PM = PERMANENT SURVEY MARK
  - PTH = PATH
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  - TG = TOP OF GUTTER
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"FOR EXTRA NOTES SEE SHEET 1"

**HORIZONTAL DATUM:**  
 CO-ORDINATE SYSTEM: MGA  
 MARKS: ADOPTED: SSM 405M & DPOIR621

**VERTICAL DATUM:**  
 DATUM: AUSTRALIAN HEIGHT DATUM (AHD)  
 B.M. ADOPTED: SSM 405M  
 R.L. 2.50M (ORDER L3)  
 SOURCE: S.C.I.M.S. (18/09/19)

NO.	DESCRIPTION	DATE
4	DETAIL UPDATED & BOUNDARY IDENT.	16/03/22
3	FINAL ISSUE - HS STORMWATER UPDATED	11/11/19
2	PRECINCT PRELIMINARY ISSUE	25/10/19
1	PRIMARY SCHOOL PRELIMINARY ISSUE	18/10/19

**CLIENT:**  
 SCHOOLS INFRASTRUCTURE NSW  
 C/- JOHN STAFF, LEVEL 5,  
 9 CASTLEREAGH STREET,  
 SYDNEY NSW 2000

**BOUNDARY IDENTIFICATION AND DETAIL & LEVEL OVER LOTS 2, 3 & 4 IN D.P.1018621 & LOT 12 IN D.P.1119562**  
 NARRABEN EDUCATION PRECINCT,  
 NARRABEN NSW 2101

**C.M.S. Surveyors Pty Limited**  
 ACN: 096 240 201  
 PO Box 463 Dee Why NSW 2099  
 2/298 South Creek Road, Dee Why NSW 2099  
 Telephone: (02) 9971 4802  
 Facsimile: (02) 9971 4822  
 E-mail: info@cmsurveyors.com.au

LG: NARRABEN BEACHES SHEET 34 OF 35			
SURVEYED ME/BS/HC	DRAWN GP/HC	CHECKED ME/BS/HC	APPROVED DR
SURVEY INSTRUCTION 18830A	SCALE 1:100 AD	DATE OF SURVEY 14/10/19	DATE OF ISSUE 16/03/22
DRAWING NAME 18830detail	ISSUE 4	CAD FILE 18830detail_n.dwg	

**NOTE 1:**  
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