APPENDIX IV

FIGURES
FIG. 1
LOCATION OF
CONVICT ROAD GANGS
GREAT NORTH ROAD
1826
Fig. 7
Location of Convict Road Gangs
Great North Road 1832
W. D. McGregor Party
FIG. 9
LOCATION OF CONVICT ROAD GANGS
GREAT NORTH ROAD
1834

S.P. BRIDGE PARTY
S.R.P. ROAD PARTY
FIG. 12 "STOCKADE AT COX'S RIVER", J. NICHOLSON, AUGUST 1832

SOURCE: A.O.N.S.W. SKETCH BOOK VOL. 2, NO. 17
FIG. 14 "SKETCH SHewing THE ALLOTMENT AT THE VILLAGE OF KOLOMBI APPLIED FOR BY P. DOOLAN, AND THE ROAD STATION HUTS."
17TH JUNE 1834

SOURCE: A.O.N.E.W. SKETCH BOOKS 5B.56. V2
Fig. 15 Extract from Lands Department Map of Township of Wollombi showing the location of the allotments shown in Fig. 14 and Hawking’s Bridge over Watagan Creek.
FIG. 16  LOCATION OF CONVICT ROAD STATION
SITE II, WISEMAN'S FERRY
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WISEMAN'S FERRY
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ABOVE GROUND REMAINS
FIG. 18 CONVICT ROAD STATION SITE I,
WISEMANS FERRY, GROUP 2,
COMPRISING ITEMS 16-21.
ABOVE GROUND REMAINS
CONVICT ROAD STATION SITE 1, WISEMAN'S FERRY
GROUP 1

FIG. 19
ITEM 1

FIG. 20
ITEM 2

FIG. 21
ITEM 2
SOUTHEAST ELEVATION
Convict Road Station Site, Wiseman's Ferry
Group 1

Fig. 24
Item 5

Fig. 25
Item 6

Fig. 26
Item 8
CONVICT ROAD STATION SITE I, WISEMANS FERRY

GROUP 1

FIG. 27
ITEM 9

FIG. 28
ITEM 10
CONVICT ROAD STATION SITE II, WISEMANS FERRY
GROUP I

FIG. 29
ITEMS 11 & 12

FIG. 30
ITEM 13
CONVICT ROAD STATION SITE I, WISEMAN'S FERRY

Fig. 31
Item 14
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SITE 2, DEVINE'S HILL
FIG. 38 PLAN OF PARTLY EXPOSED WALLS AT TEN MILE HOLLOW
Fig. 39 Plan of Stone Remains at Frog Hollow 20.9 km North of Wiseman's Ferry
Fig. 40 "Sketch accompanying M. J. Warners aptn to purchase 60 acres at X dated April 13th 1833"

The sketch also shows the location of Simpson's property at Cooranbong (see Fig. 41)

Source: A.O.N.E.W. Sketch Books, S3443, V2
FIG. 41 "LAKE MACQUARIE 1818"
SHOWING PERCY SIMPSON'S PROPERTY
AT COORANBONG AND THE LINE OF
"SIMPSON'S ROAD"

SOURCE: KEITH H. CLAYTON, SEED'S MISTAKE - THE STORY
OF LAKE MACQUARIE FROM ITS DISCOVERY TO 1890, P. 36
FIG. 42  A SKETCH OF WISEMAN'S FERRY (n.d., c.1830)
SHOWN AS:
1. THE HOUSE OCCUPIED BY MR. SIMPSON - THE
BUILDING ADJOINING THE DOTTED LINE WHICH IS
A FENCE ON THE BOUNDARY LINE IS THE NEW STORE
2. MR. WISEMAN'S RESIDENCE
3. CONSTABLE'S HUTS, POWDER MAGAZINE
THE LINE OF THE GREAT NORTH ROAD IS ALSO SHOWN

SOURCE: A.O.N.S.W. SKETCH BOOKS 518.12, V1
Fig. 45. Illustrations of Aspects of Road-Building, including: The Construction of Arched, Stone Bridges (Figs. 15, 16), Retaining and Breast Walls (Figs. 8, 9), Cross Drains (Gullies) (Fig. 5), and Toll House (Fig. 8).

Source: Henry Pownall, A Treatise on Roads, 1805, Plate IX.
Fig. 1: Cross-section of various types of road surfaces and foundations.

Reference: Henry Parnell, *A Treatise on Roads*, 1885, Plate III.
FIG. 45 PARNELL ILLUSTRATIONS OF ASPECTS OF ROADMAKING, INCLUDING MOUNTAIN ROADS (FIG. 1), TRACING (FIG. 2), EMBANKING (FIGS. 3 & 4), SIDE-FORMING (FIG. 5), CUTTINGS THROUGH VARIOUS TYPES OF STRATA (FIGS. 6-9), AND CONSTRUCTION OF DRAINS AND CULVERTS (FIGS. 10-12).

SOURCE: HENRY PARNELL, A TREATISE ON ROADS, 1883, PLATE II.
Fig. 47 "Contouring a Road on Surface Gradients", showing the extent of cutting and filling.

FIG. 48
"ROADS IN INDIA - HILL ROAD"
SHOWING CULVERT, SIDE DRAIN
AND INCLINED SURFACE

FIG. 49
"ROADS IN INDIA - HILL ROAD"
SHOWING BENCHING, EMBANKMENT
AND SIDE AND CATCHWATER DRAINS

FIG. 50
"ROADS IN INDIA - HILL ROAD"
SHOWING RETAINING AND BREAST WALLS,
BENCHEING, EMBANKMENT,
INCLINED CULVERT AND SIDE DRAIN

Source: Mawle J. Browne,
"On the Tracing and Construction
of Roads in Mountainous
Tropical Countries", in
Minutes of Proceedings of
the Institution of Civil
Engineers, Vol. 80, Part 2,
1873-74, pp. 87-89.
Figs. 51 & 52  Gillespie's Illustrations of Mountain Roads, Showing Drains, Benching, Embankments and Walls
See also Figs. 45 (3 & 4), 48, 49 & 50

Source: William Gillespie, Manual of the Principles and Practice of Road Making, 1874, pp 166-170
FIG. 53 SPALDING'S ELEVATIONS OF COVERED DRAINS
SOURCE: FRED SPALDING, A TEXT-BOOK ON ROADS AND PAVEMENTS, 1894

FIG. 54 LAW'S ELEVATION OF A MITRE DRAIN
SOURCE: HENRY LAW AND D.K. CLARKE,
THE CONSTRUCTION OF ROADS AND STREETS, 1891
Fig. 55 Browne's Plan of a Drainage System for Mountainous Areas

Source: Major J. Browne, "On the Tracing and Construction of Roads in Mountainous Tropical Countries," 1873

Fig. 56 Law's Plan of Angled Mitre Drains

Fig. 57 Spalding's Cross-Section and Elevation of a Stone Box Culvert
Source: Fred Spalding, A Text Book on Roads and Pavements, 1884.

Fig. 58 Elevation of Dobson's Timber Culvert
Source: Drawn from Specifications in Edward Dobson's Pionner Engineering, 1877, pp. 146, 147.
Fig. 59 Elevation of brick culvert specified by Telford

Source: Drawn from specifications given in Thomas Telford's Life of Thomas Telford, Civil Engineer, written by himself, 1828, p. 626

Fig. 60 Dobson's cross-section of an excavated road with central drain

Source: Edward Dobson, Rudiments of the Art of Building, 1871, p. 21
**FIG. 61** CROSS SECTION OF PARNELL'S MITRE DRAIN (cf. FIG. 60)

**FIG. 62** PLAN OF PARNELL'S MITRE DRAIN (cf. FIGS. 56 & 69)

**FIG. 63** ELEVATION OF PARNELL'S MITRE DRAIN

SOURCE: DRAWN FROM SPECIFICATIONS GIVEN IN HENRY PARNELL'S A TREATISE ON ROADS, 1833, P. 85.
Fig. 64 Law's illustration of a typical convex road in England before the introduction of durable surfaces, and the process of its decay.
FIG. 65 Plans of Various Eighteenth-Century Road Surfaces in Paris

(a) Formation recommended by Bergier and Gautier, up to 1775

(b) Trésaguet's formation (1764)

Fig. 66 Cross sections of Eighteenth Century French Roads

Fig. 67 CROSS-SECTION OF TELFORD'S ROAD DESIGN
(CF. FIGS. 44 & 71)

Source: drawn to specifications given in Thomas Telford's
Life of Thomas Telford, civil engineer, civil engineer,
written by himself, 1868, p. 526.
FIG. 68  CROSS SECTION OF TELFORD'S ROAD DESIGN SHOWING MITRE DRAIN (cf. Fig. 6)

FIG. 69  PLAN OF TELFORD'S ROAD DESIGN SHOWING MITRE DRAIN (cf. Figs. 56 and 62)

SOURCE: DRAWN FROM ILLUSTRATIONS GIVEN IN THOMAS TELFORD'S LIFE OF THOMAS TELFORD;
WRITTEN BY HUMERUS. 1848, P. 576
FIG. 70  CROSS SECTION OF THOMAS TELFORD'S BRICK CULVERT
(SEE ALSO FIG. 59 AND CF. FIG. 44.)

SOURCE: DRAWN FROM SPECIFICATIONS GIVEN IN THOMAS TELFORD'S LIFE OF
THOMAS TELFORD, WRITTEN BY HIMSELF. 1838, p. 526
FIG. 71 CROSS-SECTION OF MACADAM'S ROAD DESIGN

SOURCE: DRAWN TO SPECIFICATIONS, GIVEN IN JOHN L. MACADAM,
A PRACTICAL ESSAY ON THE SCIENTIFIC DESIGN AND PERPETUATION
OF PUBLIC HIGHWAYS AND FREE FROM COSTLY REPAI Yet PONIC L. MACADAM—REMARKS ON THE FRAGMENT SYSTEM
OF CONSTRUCTION, 1871.
Fig. 72 CROSS SECTION OF LAW'S ROAD DESIGN

Fig. 73 CROSS SECTION OF LAW'S ROAD DESIGN

SOURCE: HENRY LAW AND D.C. CLARK, THE CONSTRUCTION OF ROADS AND STREETS, 1881
FIG. 74
(a) Convex Surface
(b) Angled Surface

FIG. 75 PLAN AND ELEVATION
OF METCALFE'S
Corduroy Road

Source: William Gillette, Manual of
The Principles and Practice of
Road Making, 1874, pp. 458, 60, 128
FIG. 76 MASONRY TYPES
SOURCE: CHARLES TOLSTOY, CYCLOPEDIA OF USEFUL ARTS AND MANUFACTURES, VOL. 6, P. 250

FIG. 77 DRESSING A BLOCK OF STONE USING A TEMPLET
SOURCE: EDWARD DOBSON, THE EQUIPMENTS OF MASONRY AND STONECUTTING, 1868
FIG. 78 COMPARATIVE SHAPES FOR RETAINING WALLS AND THEIR REQUISITE DIMENSIONS

SOURCE: EDWARD DODGSON, BUILDMENTS OF THE ART OF BUILDING, 1861, P. 19
FIG. 79 SIMPLE STONE AND TIMBER BRIDGES WITH HANDRAILING
FIG. 80 GILLESPIE'S ILLUSTRATIONS OF SIMPLE BRIDGE DESIGNS

SOURCE: WILLIAM GILLESPIE, MANUAL OF THE PRINCIPLES AND PRACTICE OF ROAD MAKING, 1874, pp. 174-175
FIG. 81  SIR THOMAS MITCHELL'S SKETCH OF THE THREE GREAT ROADS RADIATING TO THE NORTH, SOUTH AND WEST OF SYDNEY.

SOURCE: MITCHELL TO MACLEAY, 2 SEPTEMBER, 1834. "REPORT TO THE SECRETARY OF STATE FOR WAR AND THE COLONIES", A.O.N.S.W., S.G. TO G.J.
FIG. 82
FIRST AND SECOND
LINES OF DESCENT
TO WISEMAN'S FERRY

SOURCES: BASED ON HENEGAN FINCH'S 1826 SURVEY
(A.O. 4987A and 4987B) AND D. T. L. MITCHELL'S
"PASSAGE OF THE RIVER WHALEBURY AT WISEMAN'S FERRY,"
1829 IN HIS REPORT ON ROADS SYDNEY, 1856
FIG. 83 (OVERLEAF)
COMPARISON OF PARTS OF MITCHELL'S 1829 LINE (LEFT), WITH CORRESPONDING SECTIONS OF THE COMPLETED ROAD (RIGHT) AS SURVEYED BY G. S. WHITE IN 1831

SOURCES:
"MAP OF A LINE OF ROAD TO THE DISTRICT OF HUNTERS RIVER, LAID DOWN FROM A GENERAL SURVEY IN JULY 1829."
AND "SURVEY OF NEW NORTH ROAD FROM THE HAWKESBURY RIVER TO THE RESERVE OF WOLLOMBI", G. S. WHITE, APRIL 1831, (A.O. 5086)"
Fig. 84  Clearing Methods
FIG. 85 SKETCH SHOWING WORK PROPOSED FOR BULGA ROAD, 1827

SOURCE: SKETCH ACCOMPANYING A LETTER FROM BELL (MAESTRATTE, WINDSOR) TO THE COLONIAL SECRETARY, 27/4/1827, A.O.N.S.W., C.S.I.L
FIG. 86 FORMATION - POINTS AND HOLLOW
 cf. FIG. 47

FIG. 87 FORMATION - SLIGHT SLOPE

FIG. 88 FORMATION - STEEP SLOPE
FIG. 90  PLAN OF ABANDONED SECTION OF GREAT NORTH ROAD 40.4 km NORTH OF BAULKHAM HILLS SHOWING ORIGINAL FEATURES
FIG. 91 PLAN OF RETAINING WALL AND BRIDGE I

51 KM NORTH OF BAULKHAM HILLS
Fig. 92.
Part of the first ascent of the north bank of the Hawkesbury River at Wisemans Ferry (1828 ascent) showing zigzag formation

Source:
Courtesy J.C. Lough
Fig. 93 Mitchell's Loop
5.7 - 6.0 km North of Wiseman's Ferry

Source: Survey by R.D. Lister,
Dept. of Lands, 24.1.1980,
Courtesy R.D. Lister.
FIG. 96 PROFILES OF JUMPER HOLES
Fig. 97 Side Drain Construction

(a) ROUNDED

(b) SQUARE CUT

(c) STONE BLOCK EDGED
**FIG. 98** CROSS SECTION OF TYPICAL STONE CULVERT

**FIG. 99** LAYOUT OF CULVERTS
FIG. 100  SPILLWAY CONSTRUCTION
FIG. 101. CONSTRUCTION OF TIMBER CULVERTS OF FIG. 58.
FIG. 102 STONE CULVERT, 3/2m FROM SOUTHERN END, ABANDONED SECTION, MT MACQUOID

SOURCE: J. D. McBRAN AND C. F. CROPP "REPORT ON THE GREAT NORTH ROAD BETWEEN MT MANNING TURNOFF AND PAYNE'S CROSSING N.S.W." (1988), COURTESY COLIN CROPP
Fig. 103 Profile of Retaining Wall, Culvert and Flume, Ramsay's Leap

Fig. 104 Profile of Stone Water Race, Ramsay's Leap

Fig. 105 Profile of Final Spillway, Ramsay's Leap
Fig 106 CULVERT WITH CURVED LINTEL 12.35 km NORTH OF MT MANNING JUNCTION

FIG. 107 TIMBER AND STONE CUVERT
13.7 km NORTH OF MT MANNING JUNCTION

SOURCE: J. D. McLEAN AND C. F. CRISP, "REPORT ON THE
GREAT NORTH ROAD," 1983,
COURTESY COLIN CRISP
Fig. 108 Location and Cross Section of Central Dean, Mt. Mcquoid

of Fig. 60

Fig. 109 Surface Construction Devine's Hill
FIG. 110 CROSS SECTION AND PLAN OF HAND-KNAPPED PAVEMENT 9.36 km NORTH OF MT MANNING cf. FIG. 65
FIG. 112  FILL AND SURFACE CONSTRUCTION
BEDLAM POINT WHARF, PUNT ROAD
GLADESVILLE

(a) LARGE RUBBLES UP TO 30 cm DIAMETER
(b) BROKEN STONES 23-25 cm DIAMETER
(c) BROKEN STONES 8-15 cm DIAMETER
(d) ASPHALT (c. 1887)
(e) BROKEN BRICKS, STONE & CLAY
(f) GRASS
Fig. 113 Plan of Bedlam Point Wharf, Punt Road, Gladesville
FIG. 114  EXTRACT FROM N.S.W. LANDS DEPT.  
MAP No. 29 2113, "DETACHED PORTION  
SHEWING THE CONTINUATION OF  
GLADESVILLE ROAD TO BEDLAM PERRY"  
SHOWING ZIG-ZAGGED ASCENT, ROCK-CUTTING  
AND "ROCKEND" - A STONE COTTAGE.
FIG. 115 REMAINS OF ABBOTSFORD WHARF, GREAT NORTH ROAD, ABBOTSFORD
Fig. 116 REMAINS OF STONE WHARF NORTH BANK OF HAWKESBURY RIVER, WISEMANS FERRY
(a) Courses shortened

(b) Blocks individually sloped

(c) Additional sloped coping course

Fig. 1.7 Construction of sloped coping
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CONSTRUCTION OF BATTERED RETAINING WALLS

(a) Inclined Beds

(b) Increased wall thickness and sloped faces

(c) Stepped courses
FIG. 119 PLAN OF BUTTRESSES, DEVINES HILL

FIG. 120 WEST ELEVATION OF BUTTRESSES, DEVINES HILL
FIG. 121 BUTTRESS I
WEST ELEVATION
Fig. 126
BRIDGE 1, 5.1 km NORTH OF BAKLHAM HILLS
Fig. 127  BRIDGE 2 - DESCENT TO WISEMAN'S FERRY,
52.9 km NORTH OF BAULKHAM HILLS
FIG. 129    BRIDGE 3, 0.57 KM NORTH OF WASEMANS FERRY — WEST ELEVATION
FIG. 131 WEST ELEVATION OF BRIDGE 4, 1 km NORTH OF TEN MILE HOLLOW

FIG. 132 CENTRAL PER PROFILES BRIDGE 4, 1 km NORTH OF TEN MILE HOLLOW
FIG. 134  BRIDGE 5, SAMPSONS PASS
35.9 km north of WISEMAN'S FERRY
WEST ELEVATION,
SHOWING EXTENT OF DAMAGE
Fig. 135 ORIGINAL PLAN OF BRIDGE G
LITTLE MOGO CREEK,
CIRCUIT FLAT,
38.6 KM NORTH OF
WISEMAN'S PERRY

Fig. 136 WESTERN ELEVATION OF BRIDGE G
LITTLE MOGO CREEK, CIRCUIT FLAT,
SHOWING EXTENT OF DAMAGE
**Fig. 137** Theodolite

**Fig. 138** Proportional Compasses, Parallel Ruler, Protractor, T娛樂 Square and Protracting Scale

**Fig. 139** Gunter's Scale, Sector, Surveying Cross, Plane Table and Plotting Scales

Fig. 140  Broad Axe

Fig. 141  Crosscut saws cut the fallen timber into planks and beams. One has simple peg teeth [bottom], the other "Tasmanian" teeth.

FIG. 142 DRILLS AND HAMMERS USED IN BLASTING OPERATIONS

SOURCE: CHARLES G. ANDRE, LOCAL BLASTING, 1878, p. 3, 4, 5, 15
FIG. 143 AUXILIARY TOOLS USED IN BLASTING OPERATIONS

SOURCE: GEORGE G. ANDRE, ROCK BLASTING, 1878, pp. 16-23
FIG. 144  STEEL WEDGE

(a)  

(b)  

FIG. 145  PLUG AND FEATHER METHOD OF SPLITTING ROCK; (a) SHOWS THE FEATHERS FITTED INTO THE DRILL-HOLE; (b) SHOWS THE PLUG INSERTED

SOURCE:  A. GREENWELL AND J. V. BADDEN, PRACTICAL STONE QUARRYING, 1913, p. 214
FIG. 146
"STONECUTTER’S TOOLS INCLUDING AN IRON SQUARE USED FOR MAKING RIGHT ANGLES.”

FIG. 147
"LEFT: LARGE AND SMALL ANGULERS USED TO BORE HOLES IN TIMBER. RIGHT: A STONE CUTTER’S ROUND MALLET AND CHISEL.”

FIG. 148
"STONE CUTTERS TOOLS USED FOR CUTTING BLOCKS OUT OF A QUARRY.”

FIG. 149 "SPLITTING STONE BY WEDGES IN A SANDSTONE QUARRY, SILESIA"

FIG. 150 "DIVIDING A BLOCK OF STONE BY WEDGING."

FIG. 151 "ROUGHING A BLOCK IN A GRINDSTONE QUARRY."

SOURCE: A. GREENWELL AND J. ELSDEN, PRACTICAL STONE QUARRYING
LONDON, 1818, pp 223 AND 224.
FIG. 152 ROADMAKING TOOLS

FIG. 153 CHISELS

Source: Andrew Ure, *Dictionary of Arts, Manufactures and Mines*, 1833, Vol. 1, p. 1480

FIG. 154 PORTABLE FORGE

Source: Charles Tomlinson, *Cyclopædia of the Useful Arts and Manufactures*, Vol. 1, p. 123
MAP 3

LOCATION OF BULGA ROAD BETWEEN WINDSOR AND PATRIKOS PLAINS, OPENED 1829, AND THE LINE OF JOHN HOWE'S FIRST EXPEDITION IN 1819

MAP 4  (2 SHEETS)
ORIGINAL SURVEY OF THE
GREAT NORTH ROAD BY
ASSISTANT SURVEYOR HENEAGE FINCH
1825

A.O.N.S.W. MAPS 4987A & 4987B
MAP 5
"SURVEY OF PART OF THE DIVIDING RANGE IN THE COUNTY OF CUMBERLAND WITH ITS BRANCHES TO THEIR TERMINATIONS" (H. F. WHITE 1831)
SHOWING LINE OF APPROACH AND DESCENT TO WISEMANS FERRY
AONS\# MAP 5073
MAP 6 "PASSAGE OF THE RIVER HAWKESBURY AT WISEMAN'S FERRY" (T.L. MITCHELL, 1829)
SHOWING OLD AND NEW ASCENTS OF THE NORTH BANK OF THE HAWKESBURY RIVER, THE DESCENT TO WISEMANS FERRY AND SOLOMON WISEMAN'S PROPERTY
MAP 7: Sketch of part of the Parramatta River showing the proposed situations for a punt near Kissing Point. (T. L. Mitchell, Dec. 1828)
MAP 8: "NO. 2 SKETCH SHOWING THE OLD LINE OF ROAD TO WISEMANS AND THE DIRECTION BY THE PROPOSED PUNT" (T. L. MITCHELL, 13 DEC. 1828)

SOURCE: T. L. MITCHELL, REPORT ON ROADS
MAP 9: "KISSING POINT FERRY SHOWING THE LINE OF ROAD ORIGINALLY POINTED OUT BY THE SUR. GENL. — AND LIKewise THOSE OF MAJOR LOCKYER AND CAPTAIN FERRY" (T.L. MITCHELL c.1832)

SOURCE: AONSW, SKETCHBOOK VOL. 2, SB.11.V2
MAP 10

BEDLAM POINT - DURAL BRANCH
OF THE GREAT NORTH ROAD
PRESENT DAY CONTEXT

--- MITCHELL'S 1828 LINE
--- FINCH'S 1825 LINE

0 500 1000 m
MAP II "GENERAL PLAN OF ROADS NORTHWARDS FROM SYDNEY FROM A SURVEY MADE IN JULY 1829" (T. L. MITCHELL 1829)

SOURCE: T. L. MITCHELL, REPORT ON ROADS.
MAP 12

"PLAN OF A LINE OF ROAD TO THE DISTRICT OF HUNTERS RIVER LAID DOWN FROM A GENERAL SURVEY IN JULY 1829" (T. L. MITCHELL, 1829), SHOWING DEVIATIONS FROM FINCH’S ORIGINAL LINE BETWEEN TEN MILE HOLLOW AND RICHARD WISEMAN’S PROPERTY NEAR WOLLOMBI

AONSW MAP 5015
MAP 13

"PLAN OF THE NEW ROAD FROM THE HAWKESBURY RIVER TO WOLLOMBI"
(H. FINCH 1830)

SHOWING ALTERATION TO THE LINE FOR THE CROSSING OF WATAGAN CREEK

AONSW MAP 5100
Plan of the NEW ROAD from Wiseman's Farm to Wolomi.
MAP 14
"SURVEY OF THE NEW NORTH ROAD
FROM THE HAWKESBURY RIVER TO THE
RESERVE OF WOLLOMBI"
(G.B. WHITE APRIL 1831)
AONSW MAP S036
MAP 15
“NORTH ROAD FROM THE RESERVE
OF WOLLOMBI TO BROKE AS
MARKED OUT BY MAJOR MITCHELL,
SURVEYOR GENERAL” (C.B. WHITE, 1833)
SHOWING NINE CROSSINGS OF THE
WOLLOMBI BROOK
AONSW MAP 5092
MAP 16

SHOwing THE BRANCHEs OF THE GREAT NORTH ROAD TO PATRICK'S PLAINS AND WARKWORTH AND THE INTERCONNECTING HUNTER VALLEY ROAD.

AONSW MAP 5081
MAP 17 EXTRACT FROM N.S.W. LANDS DEPARTMENT MAP
OF PARISH OF WHITTINGHAM, COUNTY OF
CUMBERLAND, SHOWING PRESENT LOCATION OF
MITCHELL'S BRANCH OF THE GREAT NORTH ROAD
BETWEEN BROKE AND PATRICK'S PLAINS.
MAP 19  PEATS FERRY LINE AND GREAT NORTH ROAD 1852

BIBLIOGRAPHY

The bibliography has been arranged in the following order:

1. Unpublished manuscripts
2. Published primary sources
3. Unpublished theses
4. Unpublished reports
5. Newspapers
6. Maps
7. Published secondary sources
1. UNPUBLISHED MANUSCRIPTS

(1) Manuscripts held by the Archives Office of N.S.W.

Colonial Secretary

Indexes to Registers of Letters Received 1826-1834
Reel 94

Register of Letters Received
Reel 2563 - 1826, 1827, 1828 (to 28/5478)
Reel 2564 - 1828 (from 28/5479), 1829, 1830 (to 30/5595)
Reel 2565 - 1830 (from 30/5546), 1831, 1832 (to 32/5121)
Reel 2566 - 1832 (from 32/5122), 1833, 1834 (to 34/9558)

In-Letters
1827
Box Nos. 4/1918, 4/1920, 4/1923, 4/1924, 4/1925, 4/1927,
4/1953, 4/1956

1828

1829
Box Nos. 4/2015, 4/2026, 4/2028, 4/2030, 4/2036, 4/2037,
4/2051

1830
Box Nos. 4/2066, 4/2067, 4/2068, 4/2069, 4/2079, 4/2080,
4/2081, 4/2083, 4/2095, 4/2131
1831
Box Nos. 4/2095, 4/2099, 4/2100, 4/2102, 4/2105, 4/2108, 4/2121

1832
Box Nos. 4/2131, 4/2140, 4/2148, 4/2149, 4/2258

Special Bundles
4/1984  - Regulations, Road Department
4/2210.2 - Wiseman's Punt
4/2080  - Concord Punt
4/2206.3 - Tolls and Ferries

Copies of Letters to Surveyor of Roads and Bridges
4/3934  - 5 April 1827 to 31 December 1829
4/3935  - 3 January 1831 to 31 March 1832
(Correspondence regarding roads and bridges for 1830 and
after 1832 is located with the records of the Surveyor
General's Department. The title Surveyor of Roads and
Bridges was preceded by the title Inspector of Roads and
Bridges.)

Copies of Letters to the Surveyor General
4/3903  - 6 October 1826 to 1 December 1827
4/3904  - 3 December 1827 to 23 January 1829
4/3905  - 22 January 1829 to 24 July 1829
4/3906  - 24 July 1829 to 30 December 1829
4/3907  - 1 January 1830 to 19 May 1830
4/3908  - 30 May 1830 to 6 October 1830
4/3909  - 1 October 1830 to 30 April 1831
4/3910  - 22 April 1831 to 19 October 1831
4/3911  - 20 October 1831 to 12 March 1832
4/3912  - 13 March 1832 to 6 September 1832
4/3913  - 6 September 1832 to 11 February 1833
Commissariat

4/6661 - Copies of Stone Requisitions and Abstracts
4/417 - Record of Stores Issued for Military and Convict Works (S.C.B. Ledger, Military and Convict) No. 1

Government Architect

2/635 - Blackheath Stockade
2/635 - Blue Mountains - Road
2/582 - Gladesville - Bedlam Ferry
2/613a Part II Bundle 4 - Newcastle Stockade 1848-45
2/614 - Roads - Northern 1852-1858
2/625 - Return of Stockades

Surveyor General

Copies of Letters sent to Colonial Secretary
4/5396 - 5 April 1828 to 3 December 1829
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4/5398 - 7 June 1831 to 17 November 1832
4/5399 - 20 November 1832 to 23 November 1833
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4/6908 - 11 October 1828 to 25 March 1830
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Register of Letters sent to Surveyor General from Private Individuals and Officials
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Letters from Private Individuals and Officials
2/1532 - Assistant Surveyor L.V. Dulhunty, 1830, 1832-1837
2/1535 - Assistant Surveyor H. Finch, 1826-1831, 1836-1839, 1841-1842
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2/1566 - Assistant Surveyor P. Ogilvie, 1828-1835
2/1579 - Assistant Surveyor P. Simpson, 1830-1833
Miscellaneous Papers c.1820-62
Box 2/1722

Surveyor of Roads and Bridges

2/1423 - Letters received from the Colonial Secretary, 1826-1829
9/2689 - Weekly and Monthly Road Gang Reports, 1 Volume, 1827-1830 (see Table 13 below)

TABLE 13
List of Road Gang Reports for Gangs on the Great North Road available in the N.S.W. State Archives

<table>
<thead>
<tr>
<th>Date</th>
<th>Gang</th>
</tr>
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#### 2. Monthly Reports

**1827 November**
- No. 3 Iron Gang
- No. 4 Iron Gang
- No. 8 Iron Gang
- No. 25 Road Party
- No. 27 Road Party
- No. 28 Road Party

**1830 January**
- No. 3 Iron Gang
- No. 4 Iron Gang
- No. 8 Iron Gang
- No. 9 Iron Gang
- No. 25 Road Party

**March**
- No. 3 Iron Gang
- No. 4 Iron Gang
- No. 8 Iron Gang
- No. 9 Iron Gang
- No. 25 Road Party
- Clare's Bridge Party
- No. 7 Iron Gang
- No. 27 Road Party
- No. 42 Road Party
- No. 23 Road Party
- No. 34 Road Party

**April**
- All gangs
- No. 3 Iron Gang
- No. 4 Iron Gang
- No. 8 Iron Gang
- No. 9 Iron Gang
- No. 25 Road Party
- Clare's Bridge Party
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These are the reports on road gangs compiled at the Department of Roads and Bridges at Parramatta. They were based on the individual reports received from the overseers and Assistant Surveyors.
(ii) Manuscripts held in the Mitchell Collection, Public Library of N.S.W.

Colonial Office Records, C.O. 201/111 and C.O. 201/113,
Reels 99-100 and 102-103

N.S.W. Colonial Secretary - Returns of the Colony
1826-1836, 4/254
Andre, G.G.  

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*The Roads and Railways, Vehicles and Modes of Travelling of Ancient and Modern Countries, with accounts of bridges, tunnels and canals in various parts of the world*, London, 1839.

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Atkinson, James  
*An Account of the State of Agriculture and Grazing in N.S.W.*, London, 1826.

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*Narrative of a Visit to the Australian Colonies*, London, 1843.

Breton, (Lieut.) A.W.  
*Excursions in N.S.W., Western Australia and Van Dieman's Land During the Years 1830, 1831, 1832 and 1833*, London, 1833.
<table>
<thead>
<tr>
<th>Author</th>
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<tbody>
<tr>
<td>John Fox</td>
<td>The Blasting and Quarrying of Stone - for building and other purposes with remarks on the blowing up of bridges, London, 1868 (5th ed.).</td>
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<td>Byrne, J.C.</td>
<td>Twelve Years Wandering in the British Colonies from 1835-1847, 2 Vols., London, 1848.</td>
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</tbody>
</table>
Crocker, A.
The Elements of Land Surveying Designed Principally for the use of Schools and Students, London, 1817.

Cunningham, Peter
Two Years in N.S.W. : a series of letters comprising sketches of the actual state of society in that colony, of its peculiar advantages to emigrants, of its topography, natural history, etc., 2 Vols., London, 1827.

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Darwin, Charles R.

Daw, A.W. and Daw, Z.W.
Blasting of rock in mines, quarries, tunnels, etc. Part 1: The principles of rock blasting and their general application, London, 1898.
<table>
<thead>
<tr>
<th>Author</th>
<th>Title</th>
<th>Edition</th>
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<tr>
<td>Dawson, Robert</td>
<td>The Present State of Australia</td>
<td>London, 1830</td>
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<td>Rudiments of the Art of Building</td>
<td>London, 1871</td>
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<td>The Rudiments of Masonry and Stonecutting, Exhibiting the Principles of Masonic Projection</td>
<td>London, 1868</td>
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<td>Dumas, (Capt.)</td>
<td>&quot;A Visit to Wollombi and Cumnaroy&quot;. A series of eight letters published in the Australian by &quot;XYZ&quot; pseud., 24 August to 17 October 1827.</td>
<td></td>
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<tr>
<td>Gillespie, William Mitchell</td>
<td>Manual of the Principles and Practice of Road Making Comprising the Location, Construction and Improvement of Roads and Railroads</td>
<td>New York, 1874</td>
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Great Britain - War Office

List of Officers of the Army and of the Corps of the Royal Marines (Army Lists), London, 1786, 1789-1810, 1812, 1813, 1815, 1817-1839.

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New South Wales Calendar and General Post Office Directory, Sydney, 1832.

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**Instructions (A-D) for Assistant Engineers, (Re construction and repair of roads and bridges. Issued by command of the Governor of N.S.W. by the commanding Royal Engineer. With memorandum re employment of convicts)**, Sydney, 1837.

Spalding, Fred P.  
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<tr>
<td>Telford, Thomas</td>
<td>Life of Thomas Telford, Civil Engineer Written by Himself, 2 Vols., J. Rickman, ed., London, 1838.</td>
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<td>Therry, Sir Roger</td>
<td>Reminiscences of Thirty Years' Residence in N.S.W. and Victoria with a supplementary chapter on transportation and the ticket of leave system, London, 1863.</td>
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<tr>
<td>Warren, (Professor) W.H.</td>
<td>Report on the construction and maintenance of streets of Sydney, Sydney, 1901.</td>
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<tr>
<td>Wood, Nicholas</td>
<td>Practical Treatise on Railroads and Interior Communications in General, London, 1838.</td>
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2. UNPUBLISHED THeses

Kerr, James Semple

Madew, Albert Sydney

Oppenheimer, Jillian
4. UNPUBLISHED REPORTS

McBean, James D. and Crisp, Colin F.C.


Starling, J.F.

5. NEWSPAPERS

Australian
Australian Chronicle
Maitland Mercury
Newcastle Morning Herald
Sydney Gazette
Sydney Morning Herald
5. MAPS

Maps relevant to this study, including the original and subsequent survey maps of the Great North Road, were located by consulting the County and Parish maps of the Department of Lands, N.S.W. The references given on Parish maps to Road and Miscellaneous maps were investigated. Most of the original and early maps have been relocated in the N.S.W. State Archives, and hence new numbers issued for them. The State Archives also holds valuable collections of sketch maps, mounted in Sketch Books. These are the small plans and drawings which often accompanied the correspondence of colonial surveyors, other officials, and occasionally of private persons. Another important source of maps is Major Sir Thomas Mitchell's Report upon the Progress Made in Roads and in the Construction of Public Works in N.S.W. from 1827 to June 1865, held in the Mitchell Collection. Mitchell reproduced many of his original maps to accompany this work, which comprises official letters interspersed with his own comments.

The following is a list of maps consulted. Full titles are included where the maps are of major significance.

1. Maps held by the Archives Office of N.S.W.

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<td>&quot;Field of Mars&quot;, (Parish of Cumberland), n.d.</td>
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<td>A.O. 233</td>
<td>&quot;Parish of Hunters Hill in County of Cumberland&quot;, c1846-59?</td>
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<td>A.O. 356</td>
<td>&quot;South Colah&quot;, (Parish of, County Cumberland), 27 March 1839.</td>
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<tr>
<td>A.O. 4987A</td>
<td>No title given. Menage Finch's original survey of the Great North Road, 1825 (2 sheets).</td>
<td>R492</td>
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<td>A.O. 4987B</td>
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<td>A.O. 5009</td>
<td>&quot;New Line of Road from Wollombi to 12 Mile Hollow&quot;, &quot;By McLeod 1829&quot; pencilled in (2 sheets).</td>
<td>R1.612</td>
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<td>A.O. 5010</td>
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<td>A.O. 5016</td>
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<td>A.O. 5017</td>
<td>&quot;Survey of New North Road from the Hawkesbury River to the Reserve of Wollombi&quot;, G.B. White, April 1831.</td>
<td>R720</td>
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<tr>
<td>A.O. 5036</td>
<td>&quot;Survey of Part of the Dividing Range in the County Cumberland&quot;, H.F. White, 9 June 1831.</td>
<td>R811(1)</td>
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<td>A.O. 5073</td>
<td>&quot;Plan Showing Old Made and New Lines of Road as marked by Major Mitchell, 1833&quot;, (Morpeth/Maitland area).</td>
<td>R1.830</td>
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<td>A.O. 5090</td>
<td>&quot;III. Plan Showing Old Made Road and the New Lines of Road in the District of the Hunter as marked out by Major Mitchell, 1833&quot;, (Broke to Warworth and Patrick's Plains).</td>
<td>R2.830</td>
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<td>A.O. 5091</td>
<td>&quot;III. North Road from the Reserve of Wollombi to broke as marked out by Major Mitchell, 1833&quot;.</td>
<td>R3.830</td>
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<td>A.O. 5092</td>
<td>&quot;IV. North Road through the Parish of Leamington as marked by Major Mitchell 1833&quot;.</td>
<td>R4.830</td>
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<td>A.O. 5094</td>
<td>&quot;Plan of Old and New Road from Muswell Brook to Hunter's River&quot;, R. Dixon, 1833.</td>
<td>$5.830</td>
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<td>A.O. 5095</td>
<td>&quot;Sketch of the Country from Singleton's ford on Hunter's River N.W. to the Western Salt Ponds&quot;, 1833.</td>
<td>$6.830</td>
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<td>A.O. 5100</td>
<td>&quot;Plan of the New Road from Wisemans Farm to the Wollombi&quot;, &quot;H. Finch&quot; pencilled in, c1830.</td>
<td>$850</td>
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<td>A.O. 5172</td>
<td>&quot;Sketch of a Hill on the ... (north bank of the Hawkesbury River) ... showing the proposed ... (line of the) ... North Road&quot;, H. Finch, 1828.</td>
<td>$2.978</td>
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(ii) Sketch Books

Volume 1

SB 12 p.42: Untitled. A sketch map of Lower Portland Head (Wisemans Ferry) showing Solomon Wiseman's house and land, Percy Simpson's cottage, the constables' huts and the powder magazine, n.d., c1831.

SB 78 p.254: "Plan of a Ridge pointed out as a boundary between Mr. R. Wiseman and Mr. Andrew Murray", P.O. Ogilvie, n.d., c.1830.

Volume 2

SB 56 V2: "Sketch showing the Allotment at the village of Wollombi applied for by P. Doulan and the Road Station huts", G.B. White (?), 17 June 1834.

SB 67 V2: "Plan Accompanying the Governor's instructions relative to the accommodations for men working in irons on the roads and for the troops stationed as a guard over them", 25 September 1834.


SB 42 V2: "Sketch showing old and new Windscr Roads also the road required by Daniel Brian in the neighbourhood of Seven Hills", J. Larmer, 2 April 1833.

SB 43 V2: "Sketch accompanying Mr. Jonathon Warner's aptn. to purchase 60 acres at X dated April 13th 1833", J. Warner.
SB 48 V2: "Sketch showing proposed alteration on this road (Great North Road) by Kissing Point Church", Felton Mathews, 29 October 1833.

SB 11 V2: "Kissing Point Ferry showing the line of Road pointed out by the Surveyor General and likewise those of Major Lockyer and Capt. Perry", 6 June 1833, (drawn 1832).

2. Maps held by Department of Lands, N.S.W.

(i) County Maps

County of Cumberland
County of Northumberland

(ii) Parish Maps

County of Cumberland:
Castle Hill, South Colah, North Colah, Nelson, Berowra, Maroota, Marramarra, Cornelia, Frederick, Hunters Hill, Concord, Field of Mars.

County of Northumberland:
(111) Road Maps

R 2.2113  "Plan of Part of the Great North Road ... in the Municipality of Ryde, Co. Cumberland", 1872.

R 4.6108  "Trace of Road from Maitland to the Wollombi", G.B. White, 1837.

R 9.2113  "Plan of Streets in the Municipality of Ryde", 1876

R 16.2116

R 113.1603 "Plan Showing part of the Great North Western Road leading from the Wollombi to Singleton and Warkworth exhibiting deviations therefrom with a view to avoiding the numerous crossings of the Wollombi Brook".

R 1.697  "Plan of road from Maitland to Newcastle", G.B. White, June 1834.

R 290.1603 "Survey of the Road from St. Leonards to Pennant Hills", 6 May 1862.

R 840.1603 "Plan of Road to the Head of Mangrove Creek with 4 branches", 13 July 1869, ("Simpson's Road").

R 850.1603
R 882.1603R  "Plan of Road from Pennant Hills Road to Dural Road", 1869, (New Line Road).

R 1020  "Plan of Roads from Pemberton's Wharf on Mangrove Creek to 9 Mile Hollow on the Sydney Road, with branches to the Bullock Wharf", n.d. ("Simpson's Road").

| R 2391.1603       |                                 |
| R 3618.1603R      |                                 |
| R 3618A.1603      |                                 |
| R 3677.1603       |                                 |
| R 4914.1603R      |                                 |
| R 5183.1603       |                                 |
| R 5240.1603R      |                                 |
| R 5340A.1603R     |                                 |
| R 7641.1603       |                                 |
| R 13107.1603R     |                                 |
| R 18239A          |                                 |
| R 23001.1603R     |                                 |
| R 23002.1603      |                                 |
| R 23003.1603R     |                                 |
| R 23050.1603R     |                                 |
| R 23051.1603R     |                                 |
| R 24411.1603R     |                                 |
| R 24470.1603R     |                                 |
| R 26519           |                                 |
| R 34054.1603      |                                 |
| R 34055.1603      |                                 |
| R 34056.1603      |                                 |
| R 34200.1603      |                                 |
| R 34361.1603R     |                                 |
| R 34819.1603      |                                 |
(iv) Miscellaneous Maps

Ms 500 Sy
Ms 1735.1902
Ms 1736 Sy
Ms 4346 Sy
Ms 5748 Md R
Ms 7758 Md
Ms 7933 Sy
Ms 8857 Md R
Ms 13023 Sy R
Ms 13024 Sy R
Ms 18763 Sy R
Ms 18764 Sy R
Ms 18765 Sy R
Ms 18766 Sy R
Ms 18767 Sy R
Ms 18877 Sy R
Ms 19369 Sy R
Ms 19370 Sy R
Ms 19378 Sy R
Ms 19693 Sy R
Ms 19694 Sy R
Ms 19896 Sy R
Ms 21284 Sy R
Ms 21285 Sy R
Ms 21564 Sy R
Ms 21565 Sy R
Ms 21713 Sy R
Ms 22366 Sy R
(C) Maps from Major Sir Thomas Mitchell's Report Upon the Progress Made in Roads and in the Construction of Public Works in N.S.W. from 1827 to June 1855, Sydney 1856.

"General Plan of Roads Northwards from Sydney from a Survey made in July 1829", T.L. Mitchell, 1829.

"Passage of the River Hawkesbury at Wisemans Ferry", T.L. Mitchell, 1829.

"Sketch of part of the Parramatta River showing the proposed situations for a punt near Kissing Point", T.L. Mitchell, 1828.

"No. 2 Sketch showing the old line of road to Wiseman's and the direction by the proposed punt", T.L. Mitchell, 1828.
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