

Mr. Munro

712.76.08 RSPM/CM

3/3/89

Edward Mackay, Esq.,
Contractor,
Rosslyn Yard,
Brora.

Dear Sir,

Sutherland Road, Dornoch

Further to my letter of the 2nd instant and to the meeting Mackay/Munro of the 3rd instant I write to confirm that I have received the Water & Sewerage Department's Area Engineer's requirements for drainage on Sutherland Road and attach Drawing No. 301/2A marked up to show the revised drainage arrangement.

In summary the revisions are:-

1. Move the proposed gully at chainage 24 RHS to chainage 30 RHS.
2. The proposed gullies at chainage 25 LHS, 30 RHS and 50 LHS may be alternatively connected to the existing sewer by saddle connection.
3. The proposed gullies at chainage 60 RHS, 79 and 80 RHS, 79 and 80 LHS and 96 RHS shall be connected to the proposed manhole at chainage 78 by the 150 dia carrier system shown on revised Drawing No. 301/2A.
4. The existing sewer between existing manholes at chainage 96 and 125 shall be exposed and protected with a 150 thick Class E concrete surround.
5. A new 100mm sewer with a 150mm concrete surround shall be installed from the existing invert of the manhole at chainage 125 to a new thrust block at chainage 150, depth to invert of 700mm, and returned into the adjacent field for a distance of 5m. The sewer pipes shall be supplied by the Department of Water & Sewerage.

6./

6. The Water & Sewerage Department requires the existing water main to be extended from the existing toby at chainage 170 to the end of the work.

Please arrange to excavate a trench from chainage 170 to 250, 900mm below FRL, to allow the Department of Water & Sewerage to install their main in accordance with the usual practice.

Yours faithfully,

Divisional Engineer.

Variation Order

Form Number EW/6

Distribution

Contractor White
 Employer Gold
 Engineer Green
 Cost Controller/Engineer Pink
 Representative under Blue
 Clause 56(1)

Project Number

Contract Number

HIGHLAND REGIONAL COUNCIL
 Engineer's Name and Address
 Department of Roads & Transport
SUTHERLAND DIVISIONAL OFFICE, BRORA
 M. H. Taylor, C Eng. MICE MIMunE MIHE
 Divisional Engineer
 Contractor's Name and Address

Project Title

Location

Order Number 7

Confirming Oral Instruction Number.....(if applicable)

Ordered by [Signature]

(Engineer/Engineer's Representative)

Date of Issue 28/4/89

The undernoted requirement involving change by way of
 (Tick as applicable)

Addition
 Omission
 Substitution
 Alteration
 Quality

Form
 Character
 Dimension
 Level
 Line

Kind
 Position
 Sequence
 Method
 Timing

Is ordered as a variation under the Contract

Description of change

1) Provide improved access from new entrance to Sutherland
 vicinity gate at Sutherland (M1 NP1007)
 Contractor to construct 200mm deep subbase, 50mm down
 2) Raise vicinity gates on new roadway gate pillars to suit
 new access road levels.

Such variation shall be valued at

Bill Rates or Prices
 Fair valuation

Bill Rates or Prices
 Fair valuation

Rates Deduced from
 Bill Rates or Prices

Rates Deduced from
 Bill Rates or Prices

Accepted Quotation
 Daywork

Accepted Quotation
 Daywork

The effect on project value and timing has been

(a) Assessed by the
 representative under
 Clause 56(1)

(a) Assessed by the
 representative under
 Clause 56(1)

(c) Sanctioned by the
 Employer

(c) Sanctioned by the
 Employer

(e) Recorded for back
 charging

(e) Recorded for back
 charging

(b) Notified to the Cost
 Controller or Engineer

(b) Notified to the Cost
 Controller or Engineer

(d) Assessed by the Planning
 Engineer

(d) Assessed by the Planning
 Engineer

Variation Order

Distribution

Contractor White
Employer Gold
Engineer Green
Cost Controller/Engineer Pink
Representative under Blue
Clause 56(1)

Form Number EW/6

Project Number

Contract Number

Engineer's Name and Address

Project Title

Contractor's Name and Address

Location

Order Number 6

Confirming Oral Instruction Number 2014/19 (if applicable)

Ordered by [Signature]

(Engineer/Engineer's Representative)

Date of Issue 2014/19

The undernoted requirement involving change by way of
(Tick as applicable)

Addition
 Omission
 Substitution
 Alteration
 Quality

Form
 Character
 Dimension
 Level
 Line

Kind
 Position
 Sequence
 Method
 Timing

Is ordered as a variation under the Contract

Description of change

1. Break out etc part of roof of FIP dry 105 units
2. Safety covering with rain pipe 60 to dry 200 with
intention of leaving to 14 property or intended as engineer

Such variation shall be valued at

Bill Rates or Prices
Fair valuation

Rates Deduced from
Bill Rates or Prices

Accepted Quotation
Daywork

The effect on project value and timing has been

(a) Assessed by the
representative under
Clause 56(1)

(c) Sanctioned by the
Employer

(e) Recorded for back
charging

(b) Notified to the Cost
Controller or Engineer

(d) Assessed by the Planning
Engineer

Variation Order

Form Number EW/6

Distribution

Contractor White
 Employer Gold
 Engineer Green
 Cost Controller/Engineer Pink
 Representative under Blue
 Clause 56(1)

Project Number

Contract Number

Engineer's Name and Address
 Department of Roads & Transport
 SUTHERLAND DIVISIONAL OFFICE, BRORA
 M. H. Taylor, C.Eng. MICE MIMunE MIHE
 Divisional Engineer
 Contractor's Name and Address

Project Title

Location

EDWARD HACKETT

DORNOCH

Order Number

5

Confirming Oral Instruction Number.....(if applicable)

Ordered by

[Signature]

(Engineer/Engineer's Representative)

Date of Issue

5/9/89

The undernoted requirement involving change by way of
 (Tick as applicable)

Addition
 Omission
 Substitution
 Alteration
 Quality

Form
 Character
 Dimension
 Level
 Line

Kind
 Position
 Sequence
 Method
 Timing

Is ordered as a variation under the Contract

Description of change

Provide 12m wide footpath with pe c net ends on either
 from car park on side entrance of West Church Hall.
 Provide dropped kerb through car park boundary line (LTC
 2nd DC, etc)

Such variation shall be valued at

Bill Rates or Prices
 Fair valuation

Rates Deduced from
 Bill Rates or Prices

Accepted Quotation
 Daywork

The effect on project value and timing has been

(a) Assessed by the
 representative under
 Clause 56(1)

(c) Sanctioned by the
 Employer

(e) Recorded for back
 charging

(b) Notified to the Cost
 Controller or Engineer

(d) Assessed by the Planning
 Engineer

Variation Order

Form Number EW/6

Distribution

Contractor White
 Employer Gold
 Engineer Green
 Cost Controller/Engineer Pink
 Representative under Blue
 Clause 56(1)

Project Number

Contract Number

Engineer's Name and Address
 HIGHLAND REGIONAL COUNCIL
 Department of Roads & Transport
 SUTHERLAND DIVISIONAL OFFICE, BRORA
 Contractor's Name and Address
 EDWARD MACVAY
 Divisional Engineer

Project Title
 SUTHERLAND BR
 Location
 JOENVOCH

Order Number 4 **Confirming Oral Instruction Number** (if applicable)
Ordered by R. Alame **(Engineer/Engineer's Representative)**
Date of Issue 5/4/89

The undernoted requirement involving change by way of
 (Tick as applicable)

- | | | |
|--|------------------------------------|-----------------------------------|
| <input checked="" type="checkbox"/> Addition | <input type="checkbox"/> Form | <input type="checkbox"/> Kind |
| <input type="checkbox"/> Omission | <input type="checkbox"/> Character | <input type="checkbox"/> Position |
| <input type="checkbox"/> Substitution | <input type="checkbox"/> Dimension | <input type="checkbox"/> Sequence |
| <input type="checkbox"/> Alteration | <input type="checkbox"/> Level | <input type="checkbox"/> Method |
| <input type="checkbox"/> Quality | <input type="checkbox"/> Line | <input type="checkbox"/> Timing |

Is ordered as a variation under the Contract

Description of change

Provide Tarmac SS1 graded 2m wide along P+I edge
 of new carriageway at formation level from chgs 225
 to chgs 225. Installed as paragraph (b) of my
 letter dated 2/3/89.

Such variation shall be valued at

- | | | |
|---|---|---|
| <input type="checkbox"/> Bill Rates or Prices
Fair valuation | <input type="checkbox"/> Rates Deduced from
Bill Rates or Prices | <input checked="" type="checkbox"/> Accepted Quotation
Daywork |
|---|---|---|

The effect on project value and timing has been

- | | | |
|--|---|--|
| <input type="checkbox"/> (a) Assessed by the
representative under
Clause 56(1) | <input type="checkbox"/> (c) Sanctioned by the
Employer | <input type="checkbox"/> (e) Recorded for back
charging |
| <input type="checkbox"/> (b) Notified to the Cost
Controller or Engineer | <input type="checkbox"/> (d) Assessed by the Planning
Engineer | |

Variation Order

Form Number EW/6

Distribution

Contractor White
 Employer Gold
 Engineer Green
 Cost Controller/Engineer Pink
 Representative under Blue
 Clause 56(1)

Project Number

Contract Number

Engineer's Name and Address
 SUTHERLAND REGIONAL COUNCIL
 Department of Roads & Transport
 SUTHERLAND DIVISIONAL OFFICE, BRORA
 M. H. Taylor, C.Eng. MICE MIMunE MIHE
 Contractor's Name and Address

Project Title

SUTHERLAND ROAD

Location

DERNECH.

EDWARD MACRAE BRORA

Order Number

3

Confirming Oral Instruction Number.....(if applicable)

Ordered by

[Signature]

(Engineer/Engineer's Representative)

Date of Issue

29 March 1989

The undernoted requirement involving change by way of
 (Tick as applicable)

Addition
 Omission
 Substitution
 Alteration
 Quality

Form
 Character
 Dimension
 Level
 Line

Kind
 Position
 Sequence
 Method
 Timing

Is ordered as a variation under the Contract

Description of change

Provide a pedestrian access and new footpaths at pedestrian gates for "The Elms" (200) and Agnew's Cottage by installing LTK, DK, RTK kerbs in sixty kerblines. prior to commencing work.

Such variation shall be valued at

Bill Rates or Prices
 Fair valuation

Rates Deduced from
 Bill Rates or Prices

Accepted Quotation
 Daywork

The effect on project value and timing has been

(a) Assessed by the
 representative under
 Clause 56(1)

(c) Sanctioned by the
 Employer

(e) Recorded for back
 charging

(b) Notified to the Cost
 Controller or Engineer

(d) Assessed by the Planning
 Engineer

Variation Order

Distribution

Contractor White
Employer Gold
Engineer Green
Cost Controller/Engineer Pink
Representative under Blue
Clause 56(1)

Form Number EW/6

Project Number

Contract Number

Engineer's Name and Address

HIGHLAND REGIONAL COUNCIL
Department of Roads & Transport
SUTHERLAND DIVISIONAL OFFICE,
M. H. Taylor, C.Eng. MICE MIMunE. Inst.
Divisional Engineer

Project Title

SUTHERLAND ROAD

Contractor's Name and Address

EDWARD PEARCE, SP. 04

Location

SEAWOOD

Order Number

2

Confirming Oral Instruction Number.....(if applicable)

Ordered by

R. J. Wilson

(Engineer/Engineer's Representative)

Date of Issue

23 March 1979

The undernoted requirement involving change by way of
(Tick as applicable)

Addition
 Omission
 Substitution
 Alteration
 Quality

Form
 Character
 Dimension
 Level
 Line

Kind
 Position
 Sequence
 Method
 Timing

Is ordered as a variation under the Contract

Description of change

Excavate trench through LH formation from stage 0 to stage 70
for new water main to be laid by WPS Department, backfill
after main is laid.

Such variation shall be valued at

Bill Rates or Prices
Fair valuation

Rates Deduced from
Bill Rates or Prices

Accepted Quotation
Daywork

The effect on project value and timing has been

(a) Assessed by the
representative under
Clause 56(1)

(c) Sanctioned by the
Employer

(e) Recorded for back
charging

(b) Notified to the Cost
Controller or Engineer

(d) Assessed by the Planning
Engineer

Variation Order

Form Number EW/6

Distribution

Contractor White
 Employer Gold
 Engineer Green
 Cost Controller/Engineer Pink
 Representative under Blue
 Clause 56(1)

Project Number

Contract Number

Engineer's Name and Address
 HIGHLAND REGIONAL COUNCIL
 Department of Roads & Transport
 SUTHERLAND DIVISIONAL OFFICE, BRORA
 M. H. Taylor, C.Eng. MICE MIMunE MIHE

Project Title

SEWER MAINS

Contractor's Name and Address
 Divisional Engineer

Location

Edward Murray, BRORA

BRORA

Order Number

2

Confirming Oral Instruction Number.....(if applicable)

Ordered by

[Signature]

(Engineer/Engineer's Representative)

Date of Issue

16 March 1989

The undernoted requirement involving change by way of
 (Tick as applicable)

- Addition
- Omission
- Substitution
- Alteration
- Quality

- Form
- Character
- Dimension
- Level
- Line

- Kind
- Position
- Sequence
- Method
- Timing

Is ordered as a variation under the Contract

Description of change

Excavate trench 700mm deep below sewerage from the existing
 along at depth 70 to the end of the works at depth 250
 allow water & sewerage department to lay 3" water main
 to depth

Such variation shall be valued at

Bill Rates or Prices
 Fair valuation

Rates Deduced from
 Bill Rates or Prices

Accepted Quotation
 Daywork

The effect on project value and timing has been

(a) Assessed by the
 representative under
 Clause 56(1)

(c) Sanctioned by the
 Employer

(e) Recorded for back
 charging

(b) Notified to the Cost
 Controller or Engineer

(d) Assessed by the Planning
 Engineer

Variation Order

Distribution

Contractor White
 Employer Gold
 Engineer Green
 Cost Controller/Engineer Pink
 Representative under Blue
 Clause 56(1)

Form Number EW/6

Project Number

Contract Number

HIGHLAND REGIONAL COUNCIL
 Department of Roads & Transport
 SUTHERLAND DIVISIONAL OFFICE, BRORA
 M. H. Taylor, C.Eng. MICE MIMunE MIHE
 Divisional Engineer

Project Title

WOMER ROAD

Contractor's Name and Address

EDWARD MACRAY, BRORA

Location

BRORA

Order Number

1

Confirming Oral Instruction Number.....(if applicable)

Ordered by

[Signature]

(Engineer/Engineer's Representative)

Date of Issue

16 March 1989

The undernoted requirement involving change by way of
 (Tick as applicable)

- Addition
- Omission
- Substitution
- Alteration
- Quality

- Form
- Character
- Dimension
- Level
- Line

- Kind
- Position
- Sequence
- Method
- Timing

Is ordered as a variation under the Contract

Description of change

Concrete embankment similar to that as 10/563 for full length of
 this footpath. (ie additional 30m of works etc)

Such variation shall be valued at

- Bill Rates or Prices
- Fair valuation

- Rates Deduced from Bill Rates or Prices

- Accepted Quotation Daywork

The effect on project value and timing has been

- (a) Assessed by the representative under Clause 56(1)
- (b) Notified to the Cost Controller or Engineer

- (c) Sanctioned by the Employer
- (d) Assessed by the Planning Engineer

- (e) Recorded for back charging