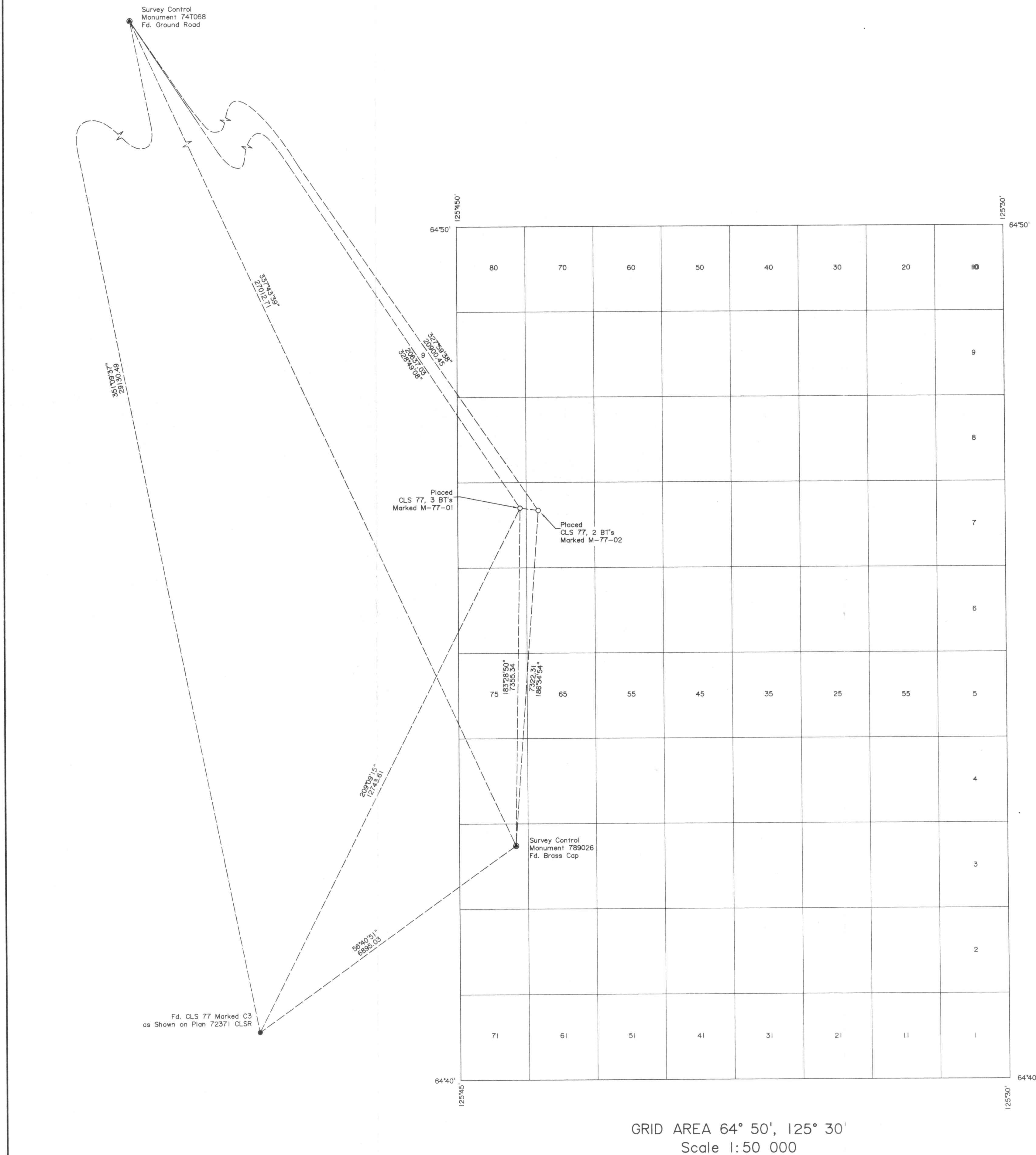
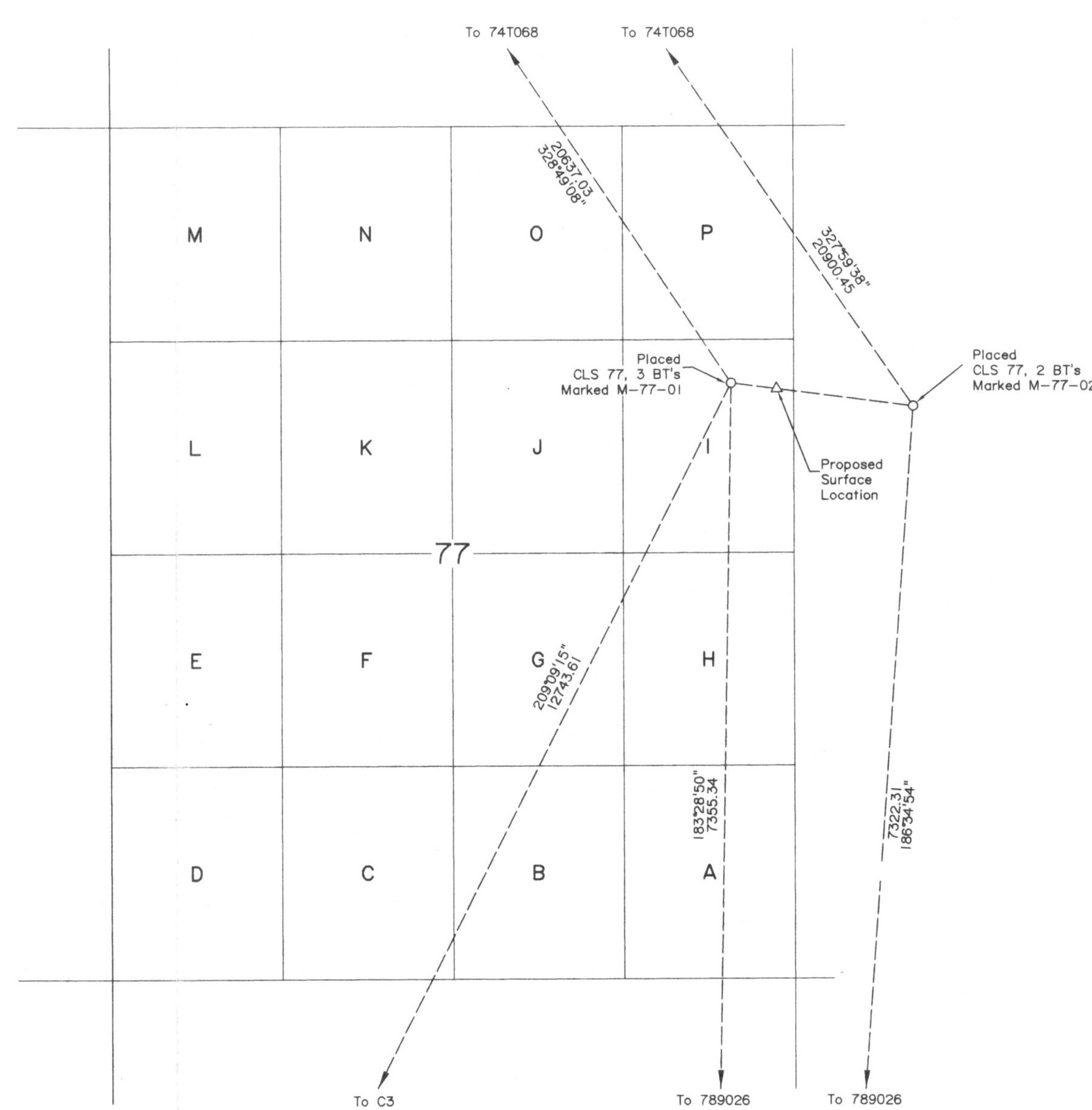
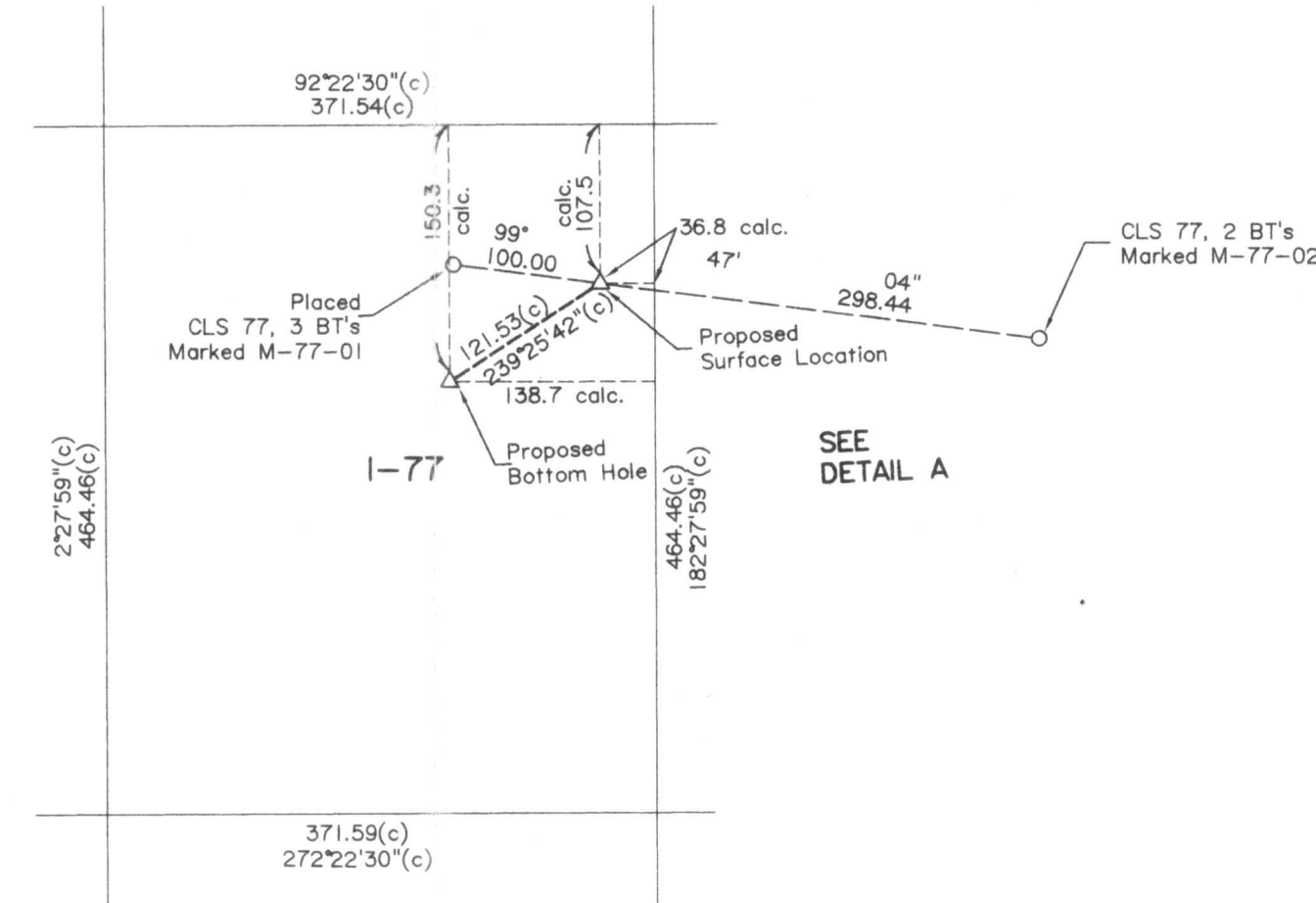




GRID AREA 64° 50', 125° 30'  
Scale 1:50 000



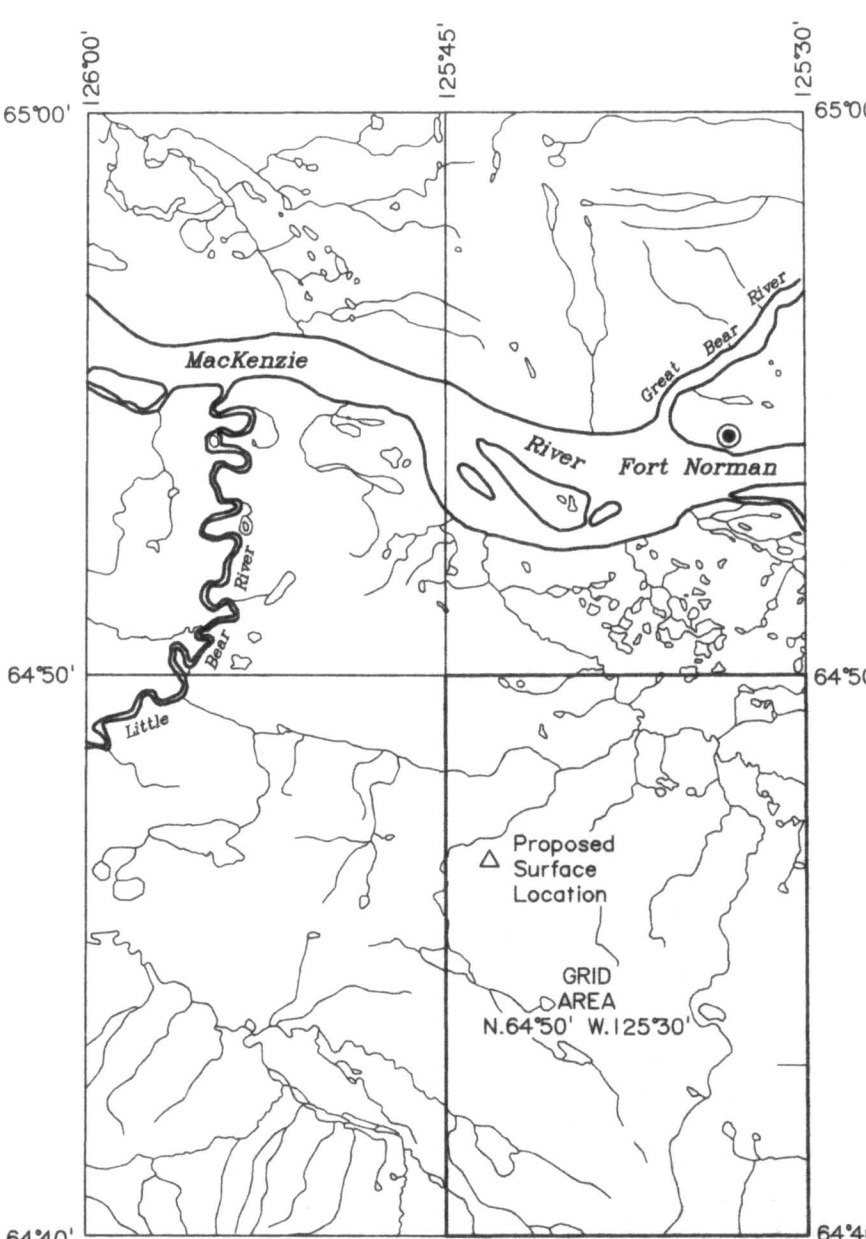
SECTION DETAIL  
Scale 1:10 000



UNIT DETAIL  
Scale 1:5000

| GEODEIC AND UTM COORDINATES, (NAD 1927)                                                                                                                                                                                             |                 |                  |             |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|-------------|------------|
| The co-ordinates shown in this table are NAD 1927 Datum. They are derived from a least squares adjustment of GPS observations holding Geodetic Control Stations 789026 and 741068 fixed. The UTM co-ordinates are Zone 10, W. 123°. |                 |                  |             |            |
| Station                                                                                                                                                                                                                             | Latitude        | Longitude        | Northings   | Eastings   |
| CONTROL MONUMENTS                                                                                                                                                                                                                   |                 |                  |             |            |
| 789026                                                                                                                                                                                                                              | 64°42'44".55836 | 125°43'27".61244 | 7178997.693 | 370175.352 |
| 741068                                                                                                                                                                                                                              | 64°55'56".04000 | 125°57'48".12176 | 7203960.723 | 359937.801 |
| GRID AREA 64°40' X 125°30'                                                                                                                                                                                                          |                 |                  |             |            |
| N.E.                                                                                                                                                                                                                                | 64°50'00".00    | 125°30'00".00    | 7192028.984 | 361393.424 |
| S.E.                                                                                                                                                                                                                                | 64°40'00".00    | 125°30'00".00    | 7173465.677 | 380660.371 |
| S.W.                                                                                                                                                                                                                                | 64°40'00".00    | 125°45'00".00    | 7173959.968 | 368731.955 |
| N.W.                                                                                                                                                                                                                                | 64°50'00".00    | 125°45'00".00    | 7192520.911 | 369538.311 |
| I-77 N.E.                                                                                                                                                                                                                           | 64°46'45".08428 | 125°43'07".49298 | 7186427.018 | 370761.116 |
| I-77 S.E.                                                                                                                                                                                                                           | 64°46'30".08434 | 125°43'07".49257 | 7185962.987 | 370741.187 |
| I-77 S.W.                                                                                                                                                                                                                           | 64°46'30".06580 | 125°43'35".61712 | 7185978.385 | 370369.913 |
| I-77 N.W.                                                                                                                                                                                                                           | 64°46'45".06574 | 125°43'35".61747 | 7186442.414 | 370389.900 |
| TRAVERSE STATIONS                                                                                                                                                                                                                   |                 |                  |             |            |
| M-77-01                                                                                                                                                                                                                             | 64°46'42".02115 | 125°43'17".78455 | 7186338.097 | 370621.211 |
| M-77-02                                                                                                                                                                                                                             | 64°46'40".38136 | 125°42'47".87069 | 7186270.385 | 371013.856 |
| C3                                                                                                                                                                                                                                  | 64°40'34".21467 | 125°50'29".38827 | 7175211.006 | 364414.180 |
| PROPOSED WELL                                                                                                                                                                                                                       |                 |                  |             |            |
| Proposed Surface Location                                                                                                                                                                                                           | 64°46'41".60951 | 125°43'10".27668 | 718321.103  | 370719.757 |
| Proposed Subsurface Location                                                                                                                                                                                                        | 64°46'39".46993 | 125°43'17".98888 | 718259.290  | 370615.120 |

| GEODEIC AND UTM COORDINATES, (NAD 1983)                                                                                                                                                                                             |                 |                  |             |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|-------------|------------|
| The co-ordinates shown in this table are NAD 1983 Datum. They are derived from a least squares adjustment of GPS observations holding Geodetic Control Stations 789026 and 741068 fixed. The UTM co-ordinates are Zone 10, W. 123°. |                 |                  |             |            |
| Station                                                                                                                                                                                                                             | Latitude        | Longitude        | Northings   | Eastings   |
| CONTROL MONUMENTS                                                                                                                                                                                                                   |                 |                  |             |            |
| 789026                                                                                                                                                                                                                              | 64°42'44".89121 | 125°43'33".99169 | 7179205.491 | 370096.772 |
| 741068                                                                                                                                                                                                                              | 64°55'56".37637 | 125°57'54".54930 | 7204198.249 | 359859.769 |
| TRAVERSE STATIONS                                                                                                                                                                                                                   |                 |                  |             |            |
| M-77-01                                                                                                                                                                                                                             | 64°46'42".35909 | 125°43'17".24567 | 7186545.837 | 370542.869 |
| M-77-02                                                                                                                                                                                                                             | 64°46'40".71884 | 125°42'54".24567 | 7186478.132 | 370835.512 |
| C3                                                                                                                                                                                                                                  | 64°40'34".53822 | 125°50'35".79044 | 7175418.793 | 364335.432 |
| PROPOSED WELL                                                                                                                                                                                                                       |                 |                  |             |            |
| Proposed Surface Location                                                                                                                                                                                                           | 64°46'41".94759 | 125°43'16".65258 | 7186528.845 | 370641.415 |
| Proposed Subsurface Location                                                                                                                                                                                                        | 64°46'39".80780 | 125°43'24".36512 | 7186467.030 | 370536.776 |



KEY PLAN  
Scale 1:250 000

PLAN AND FIELD NOTES  
OF SURVEY OF

PROPOSED EXPLORATORY WELL  
NORTHROCK et al NORTH MACKAY I-77  
IN UNIT I, SECTION 77  
GRID AREA 64° 50', 125° 30'

NORTHWEST TERRITORIES  
CANADA OIL AND GAS LAND REGULATIONS

SCALE: 1:50,000  
0 100 200 300 400 m

SURVEYED FOR  
NORTHROCK RESOURCES LTD.  
BY: P. LANTEIGNE, C.L.S., on July 18 and 19, 1999.

LEGEND

Bearings are grid, referenced to the central meridian of UTM zone 10, W. 123° and are derived from a least squares adjustment of GPS observations holding Geodetic Control Stations 789026 and 741068 fixed.

Distances are in metres, and, except for the grid area dimensions, are at general ground level.

The dimensions of the grid area are UTM grid distances.

For the computation of coordinates measured ground distances have been reduced to the UTM plane by multiplying them by an average combined scale factor of 0.99999945.

This survey was completed prior to drilling; therefore well as drilled may not necessarily agree with proposed location.

Survey Control Monuments found shown thus: ●

CLS 77 monuments placed shown thus: ○

CLS 77 monuments found shown thus: ●

25cm Iron Spike shown thus: △

Traverse lines shown thus: ———

UTM denotes Universal Transverse Mercator.

GPS denotes Global Positioning System.

I, Patrice Lantaigne, of the City of Calgary, Alberta, Canada Lands Surveyor, make oath and say that I have in my own proper person, according to law and the instructions of the Surveyor General of Canada Lands, faithfully and correctly executed the survey shown by this plan and field notes and that the said plan and field notes are correct and true to the best of my knowledge and belief.

SO HELP ME GOD.

Sworn before me at Calgary, Alberta  
this 5th day of August, 1999.

Blair Anderson (expiry date: March 26, 2002)  
A Commissioner for Oaths in and for the  
Province of Alberta.

Patrice Lantaigne  
Canada Lands Surveyor

NORTHROCK RESOURCES LTD.

Witness

Date