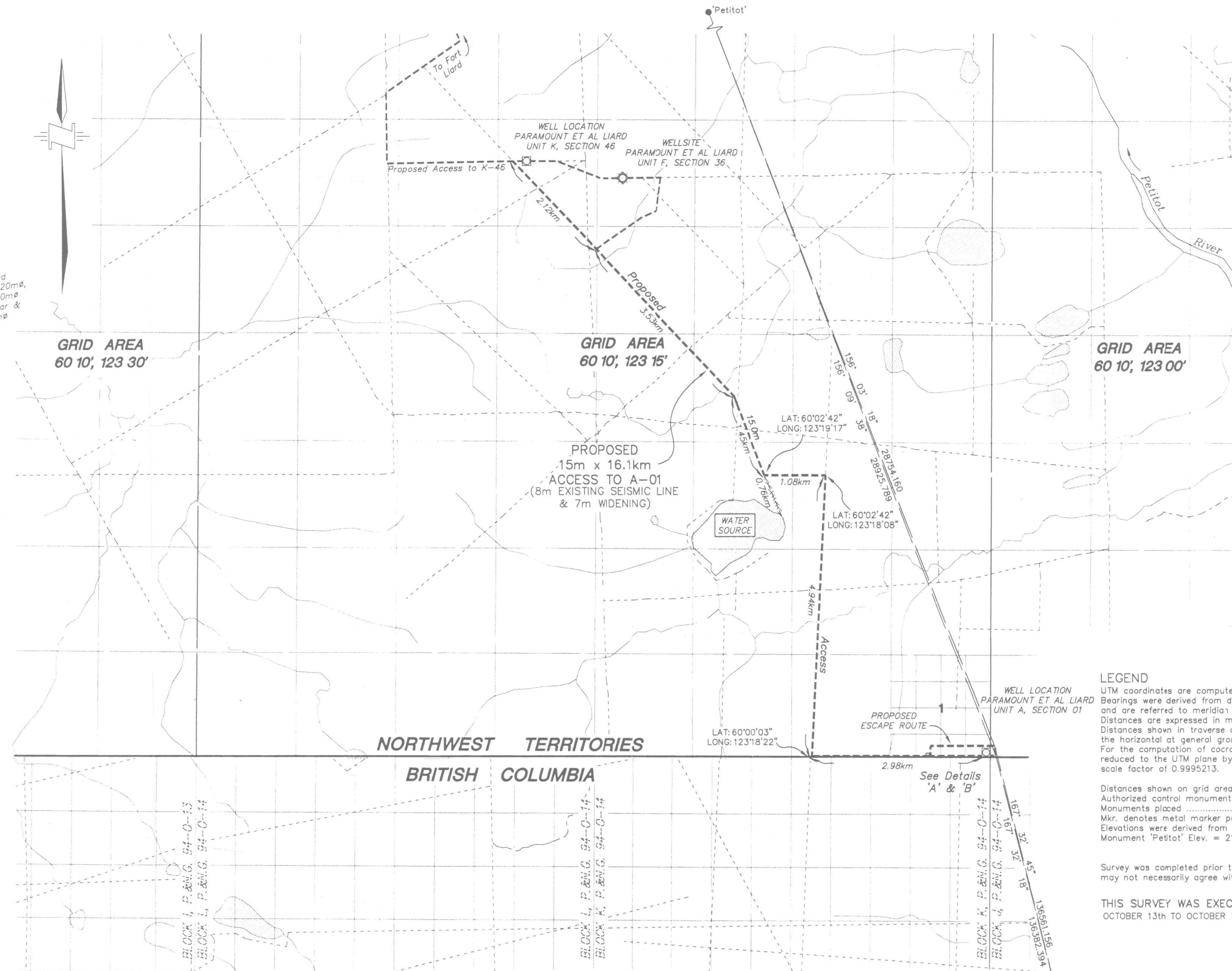
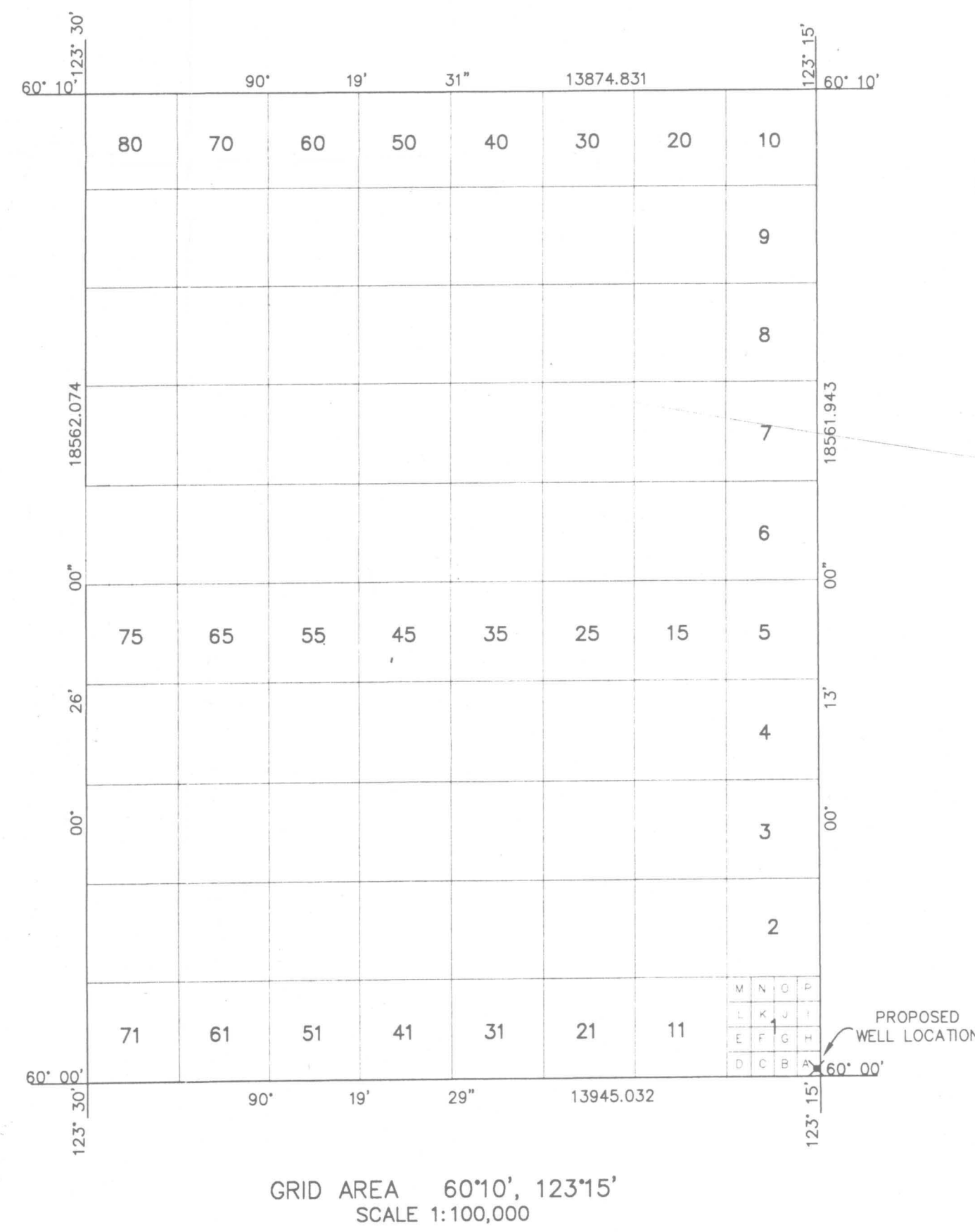
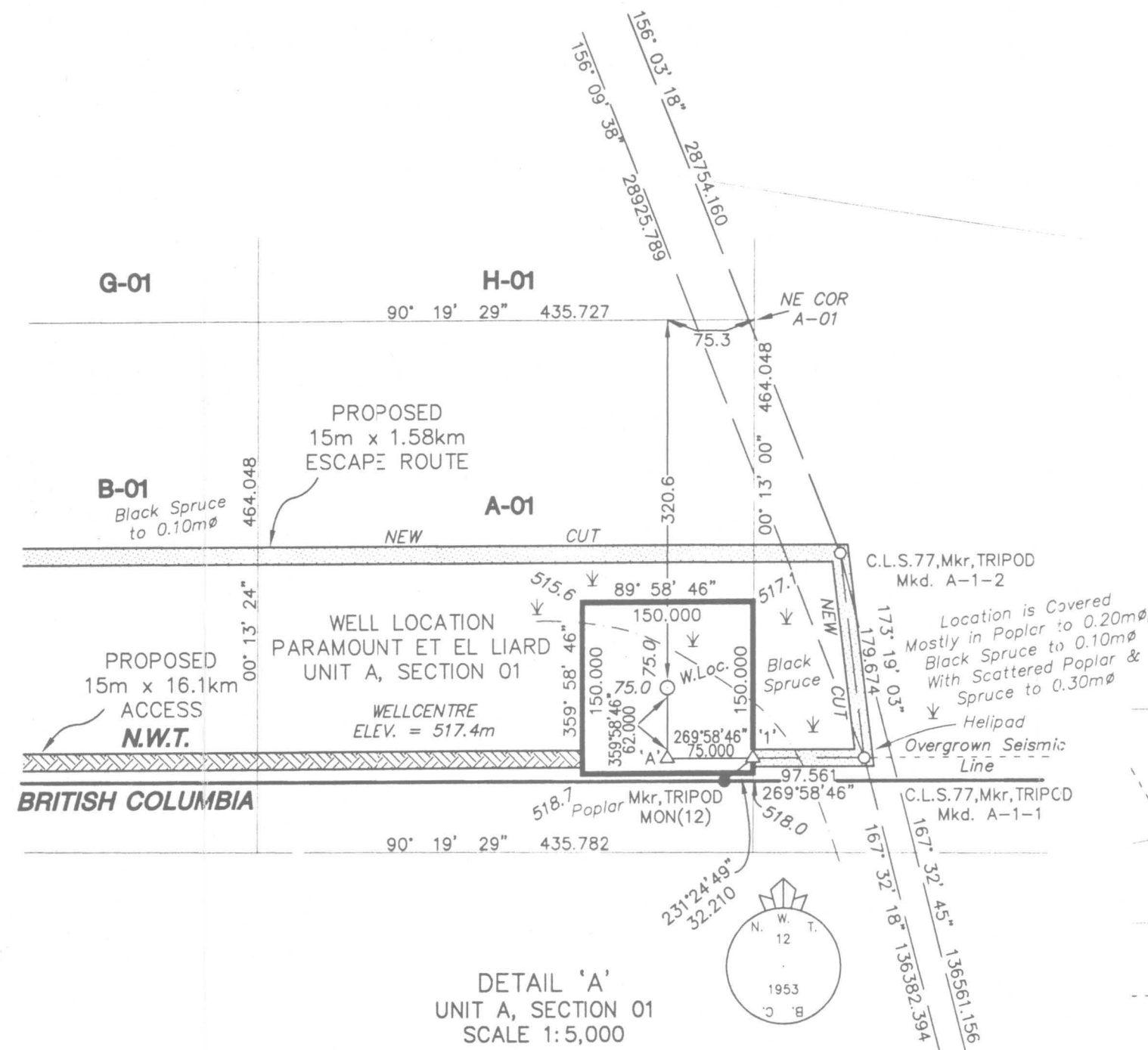




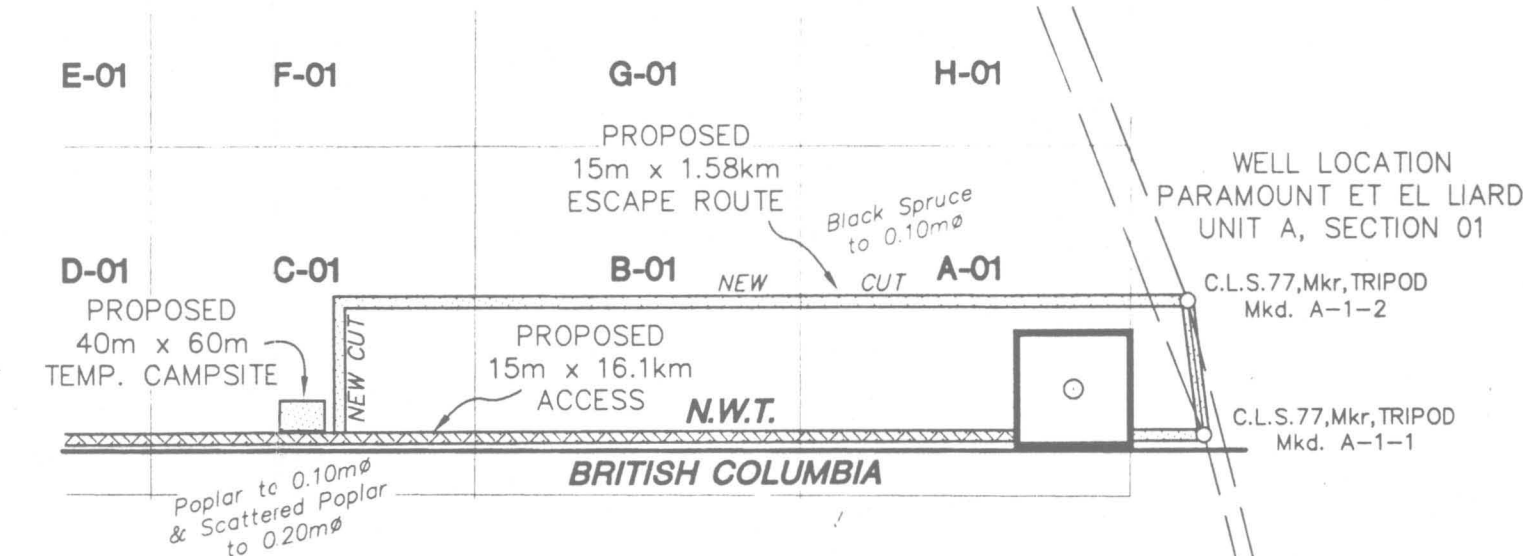
PLAN AND FIELD NOTES
OF SURVEY OF
PROPOSED EXPLORATORY WELL
PARAMOUNT ET AL LIARD
IN UNIT A, SECTION 01
GRID AREA 60' 10", 123' 15"
NORTHWEST TERRITORIES
CANADA OIL AND GAS LAND REGULATIONS



SURVEYED FOR
PARAMOUNT RESOURCES LTD.
BY : W.V. JOHNSON, CLS
OCTOBER, 1998.

LEGEND
UTM coordinates are computed for Zone 10, central meridian 123° W.
Bearings were derived from differentially corrected GPS Observations and are referred to meridian 123° W.
Distances are expressed in metres and decimals thereof.
Distances shown in traverse are measured distances reduced to the horizontal at general ground level.
For the computation of coordinates measured distances have been reduced to the UTM plane by multiplying them by an average combined scale factor of 0.9995213.
Distances shown on grid area subdivisions are UTM plane.
Authorized control monuments found
Monuments placed
Mkr. denotes metal marker post 2.0m long placed 0.30m N.
Elevations were derived from Geodetic Survey of Canada Monument 'Petitot' Elev. = 218.241m
Survey was completed prior to drilling; therefore well as drilled may not necessarily agree with proposed location.
THIS SURVEY WAS EXECUTED DURING THE PERIOD
OCTOBER 13th TO OCTOBER 14th, 1998. BY W.V. JOHNSON, CLS

I, W.V. Johnson, of the City of Fort St. John, British Columbia, 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 Fort St. John, B.C. this 18th day of October, 1998.
W.V. Johnson/CLS
R.O. Blackall, CLS



All coordinates shown are on 1927 North American Datum.
Wellsite control established using differentially corrected GPS observations.
Final coordinate values for control were transformed from NAD83 datum to NAD27 datum using National Transformation Version 2 program.
Geodetic Survey of Canada published coordinate values for monument 'Petitot' were held fixed. Adjusted values for Fort Nelson ACP GCM#602904 and comparison to Government of British Columbia published coordinates are shown below.

GEOGRAPHIC AND UTM COORDINATES, (1927 NAD)				
Station	Latitude	Longitude	Northings	Eastings
CONTROL MONUMENTS				
Petitot (Publ. & Fixed)	60°14'15.436"	123°27'39.795"	6677758.134	474467.253
Fort Nelson ACP (Adj.)	58°48'19.494"	122°43'49.914"	6518207.419	515569.399
Fort Nelson ACP (Publ.)	58°48'19.493"	122°43'49.968"	6518207.388	515568.539
GRID AREA				
NE	60°10'00"	123°15'00"	6669792.783	486125.259
NW	60°10'00"	123°30'00"	6669871.559	472250.651
SE	60°00'00"	123°15'00"	6651230.973	486055.060
SW	60°00'00"	123°30'00"	6651310.016	472110.252
A-01, NE	60°00'15.000"	123°15'00.000"	6651695.018	486056.815
A-01, NW	60°00'15.026"	123°15'28.125"	6651697.488	485621.095
A-01, SW	60°00'00.026"	123°15'28.125"	6651233.443	485619.285
A-01, SE	60°00'00.000"	123°15'00.000"	6651230.973	486055.060
TRAVERSE STATIONS				
A-01-1	60°00'02.661"	123°14'53.714"	6651312.924	486152.771
A-01-2	60°00'08.424"	123°14'55.106"	6651491.292	486131.873
TH 'A'	60°00'02.638"	123°15'04.845"	6651312.862	485980.293
TH '1'	60°00'02.648"	123°15'00.007"	6651312.889	486055.257
BC-NWT MON#12	60°00'01.996"	123°15'01.627"	6651292.810	486030.091
PROPOSED WELL				
A-01	60°00'04.641"	123°15'04.862"	6651374.833	485980.270