

GWICH'IN LAND AND WATER BOARD
Box 2018 Inuvik NT X0E 0T0
Ph 867-777-7960
Fx 867-777-7970
www.glwb.com

SCHEDULE II
(Subsection 19(2) of Mackenzie Valley Land Use Regulations)

INFORMATION IN SUPPORT OF AN APPLICATION FOR A LAND USE PERMIT

The information contained in this application and in any supporting documents pertaining to this application is collected under the authority of the Mackenzie Valley Resource Management Act for the purpose of reviewing the request for the use of land in the Gwich'in Settlement Area and any potential approvals that may be required. The information contained herein pertains to the conduct of public business and cannot be kept confidential. It will be shared with government departments and agencies, first nations organizations, community organizations and other regulatory agencies and will be treated as information that third parties have the right to under the Access to Information and Protection of Privacy Act. This application and any supporting documents pertaining to this application will be filed in the Public Registry at the offices of the Gwich'in Land and Water Board in Inuvik, NT, as per the Mackenzie Valley Resource Management Act

NEW APPLICATION
GEOTECHNICAL LAND USE PERMIT APPLICATION G
AMENDMENT TO LAND USE PERMIT G

1. APPLICANT'S NAME AND MAILING ADDRESS

Applicant's Name GNWT, DEPARTMENT OF TRANSPORTATION
Mailing Address PO BOX 2038 Community INUVIK
Prov/Terr NT Postal Code X0E 0T0
Telephone (867) 777-7343 Fax (867) 777-4290
Email _____ Cell ()

2. HEAD OFFICE ADDRESS

Head Office Address PO BOX 2038 Community INUVIK
Prov/Terr NT Postal Code X0E 0T0
Field Supervisor WAYNE PATRIE
Telephone (867) 777-7345 Fax (867) 777-4290
Radio-Telephone _____ Cell ()

3. OTHER PERSONNEL (Subcontractor, contractors, company staff, etc.)

MACKENZIE VALLEY CONSTRUCTION LTD. (CONTRACTOR) & THEIR
SUBCONTRACTORS

Total Number of Persons on Site 15

4. ELIGIBILITY (Refer to section 18 of the Mackenzie Valley Land Use Regulations.)

18(a)(i) 18(a)(ii) 18(a)(iii) 18(b)(i) 18(b)(ii)

5. a) SUMMARY OF OPERATION (Describe purpose, nature and location of all activities. Refer to 19(3) (b) of the Mackenzie Valley Land Use Regulations.)

CONDUCT A GEOTECHNICAL INVESTIGATION TO CONFIRM THE QUALITY & QUANTITY OF MATERIALS LOCATED, WITHIN THE SHALE DEPOSITION, FOR A SUITABLE SOURCE FOR HIGHWAY EMBANKMENT WIDENING. EXTRACTION OF 6000 TO 7000 m³ MATERIAL TO UPGRADE THE Km 36.7 ACCESS ROAD.

b) INDICATE IF A CAMP IS TO BE SET UP (Provide details on a separate page, if necessary.)

NOT APPLICABLE

6. SUMMARY OF POTENTIAL ENVIRONMENTAL AND RESOURCE IMPACTS (Describe the effects of the proposed land-use operation on land, water, flora and fauna and related socio-economic impacts. Use a separate page if necessary.)

CONTRACTOR MACKENZIE VALLEY CONSTRUCTION (MVKC) SHALL ADHERE TO ALL SAFETY PRACTICES AND ENVIRONMENTAL MONITORING SHALL BE ENFORCED.

7. PROPOSED RESTORATION PLAN (Use a separate page if necessary.)

THE CONTRACTOR SHALL CONSTRUCT TEMPORARY WINTER ACCESS ROADS TO DESIGNATED TEST SITES USING SNOW AND WATER; IN ORDER TO SUPPORT THE DRILLING RIG AND PICK UPS.

8. OTHER RIGHTS, LICENCES OR PERMITS RELATED TO THIS PERMIT APPLICATION (Mineral rights, timber permits, water licences, quarry permit from DIAND, access authorization from the Gwich'in if on Gwich'in lands, etc.)

AN APPLICATION FOR AN EXPLORATION PERMIT ON CROWN LAND FOR THE PURPOSE OF CONDUCTING GEOTECHNICAL ACTIVITIES HAS BEEN SUBMITTED TO DIAND.

Is this to be a pioneering (new) road? (Provide details on a separate page) NO

Has the route been laid out or ground truthed? _____

9. PROPOSED DISPOSAL METHODS

- a) Garbage HAND PICKED, IF ANY
 - b) Sewage (Sanitary and grey water) NOT APPLICABLE (N/A)
 - c) Brush and trees MUCL SHALL REMOVE & DISPOSE OF TREES FROM THE ACCESS ROAD AT AN OFFSITE LOCATION.
 - d) Over burden (Organic soils, waste material, etc.) N/A FOR GEOTECHNICAL TESTING. FOR EXTRACTION PURPOSES, A PORTION OF THE OVERBURDEN IS ALREADY REMOVED, AND/OR
10. EQUIPMENT (Includes, drills, pumps, etc. Use a separate page if necessary.) OVERBURDEN WILL BE SAVED

| Type and Number | Size | Proposed Use |
|--------------------------------------|----------------------|--|
| - <u>B98 INGERSOLL RAND</u> | <u>MODEL ECM 350</u> | <u>DRILL 40 HOLES TO DETERMINE OVERBURDEN DEPTH, ICE PROFILE QUALITY OF DEPOSITION, SUPPORTING</u> |
| <u>AIR TRACK WITH A VL 40 HAMMER</u> | | |
| - <u>INGERSOLL RAND TANDUM WHEEL</u> | <u>COMPRESSOR</u> | <u>INFO FOR SUPPLY MANAGEMENT PLAN.</u> |
| <u>WITH A CUMMINS L10 ENGINE</u> | | |

11. FUELS

| | (#) | Number of Containers | Capacity of Containers | Location of Containers |
|---------------|-----|----------------------|------------------------|------------------------|
| Diesel | | <u>N/A</u> | | |
| Gasoline | | <u>N/A</u> | | |
| Aviation Fuel | | <u>N/A</u> | | |
| Propane | | <u>N/A</u> | | |
| Other | | <u>N/A</u> | | |

12. CONTAINMENT FUEL SPILL CONTINGENCY PLANS (Attach separate contingency plan if necessary.)

NOT APPLICABLE

13. METHODS OF FUEL TRANSFER (To other tanks, vehicles, etc.)

FUEL SHALL BE DELIVERED BY A FUEL TRUCK EQUIPPED WITH AN ELECTRIC FUEL PUMP

14. PERIOD OF OPERATION (Includes time to cover all phases of project work applied for, including restoration.)

From (DD/MM/YY) 05/12/08
To (DD/MM/YY) 28/02/09

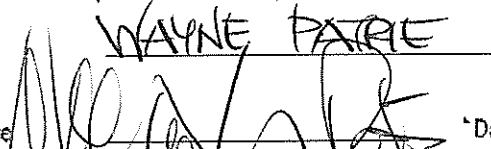
15. PERIOD OF PERMIT (Up to five years, with a maximum two year extension)

Start Date (DD/MM/YY) 05/12/08
Completion date (DD/MM/YY) 28/02/09

16. LOCATION OF ACTIVITIES BY MAP COORDINATES (Attach maps and sketches)

Minimum latitude 67° 13' 23.593549" N Maximum latitude 67° 13' 34.400237" N
degree, minute degree, minute
Minimum longitude 135° 34' 44.398656" W Maximum longitude 135° 35' 31.238858" W
degree, minute degree, minute
Map Sheet Number 2 of 7 4 of 7

17. APPLICANT (Print name in full.)

Name WAYNE PATRICE
Signature  *Date NOVEMBER 19, 2008

18. FEES

Application Fee - Type A \$150.00 \$ 150⁰⁰
Application Fee - Type B \$150.00 \$ _____
Land Use Fees.
Where lands proposed to be used exceeds two (2) hectares
Each additional hectare or portion thereof @ \$50.00/hectare _____ ha x \$50.00 = \$ _____
Assignment Fee \$50.00 \$ _____
Total Application and Land Use Fees \$ _____
(Please make all cheques payable to the Receiver General)

(FEE AMOUNT ALREADY SUBMITTED)

Surrounding
Topography

8m Wide
Temporary
Access Road

Existing
DOT 36.7
Quarry

Existing
Access
Road

Fd.I.
(CLS Post)
Eagle Plains
Fd.I.
(CLS Post)

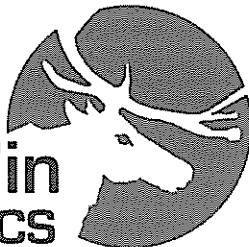
Dempster Highway

Fd.I.
(CLS Post)
Fd.I.
(CLS Post)
Ft. McPherson



LOCATION MAP
Scale 1:10,000

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**Gwich'in
GEOMATICS**

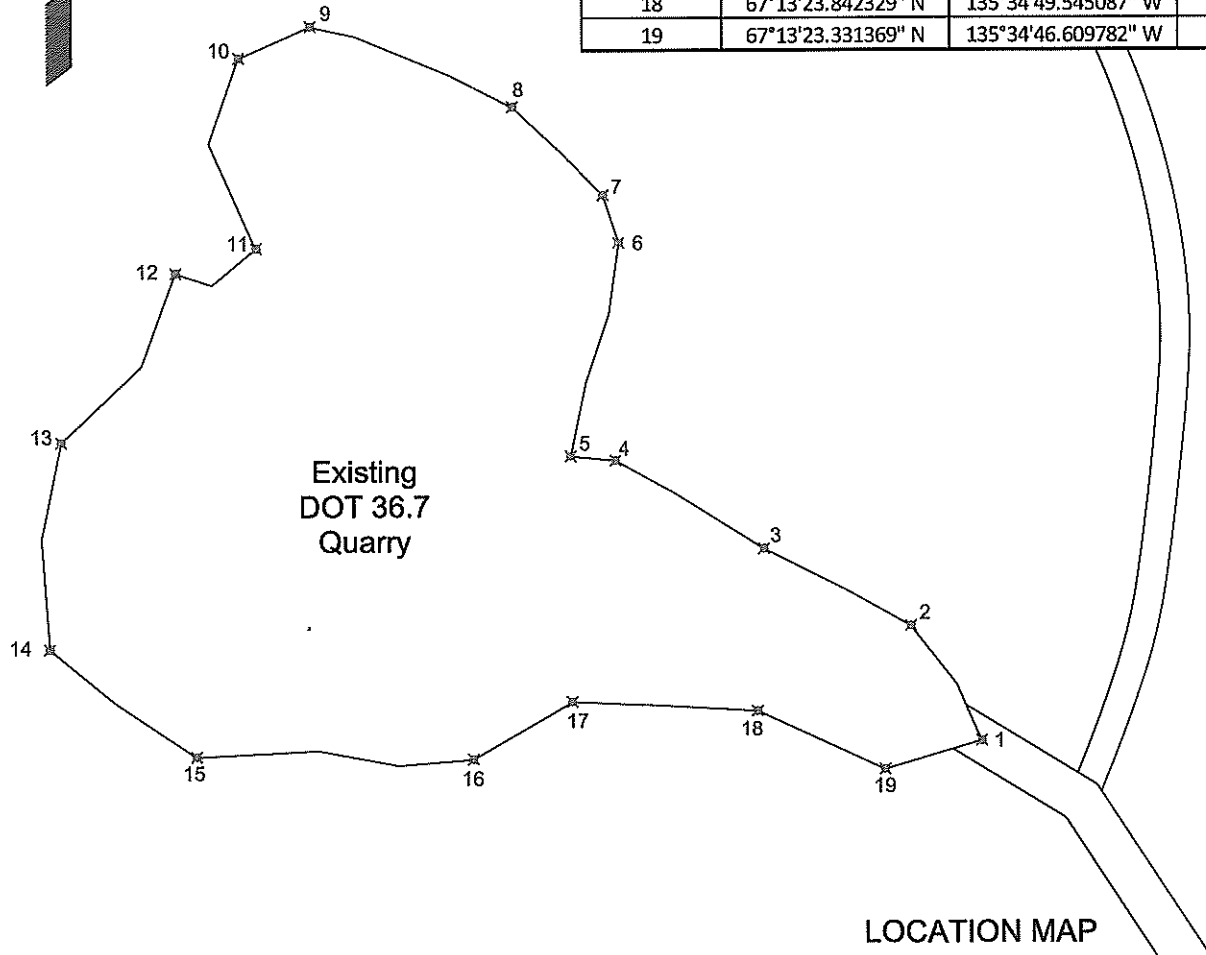
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Job No.:
8701.07.05
MMM No.:
8701.07.05
Surveyed by: BM
Drawn by: KGK
Checked by: SB

DOT 36.7 QUARRY

PLAN OF
SITE SURVEY
SHOWING LOCATION OF
DOT 36.7 QUARRY

Approximately Latitude 67°13'N Longitude 135°34'W

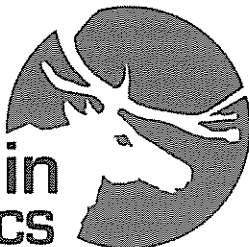
| Point No. | Latitude | Longitude | Elevation |
|-----------|--------------------|---------------------|-----------|
| 1 | 67°13'23.593549" N | 135°34'44.398565" W | 495.87 |
| 2 | 67°13'24.610973" N | 135°34'46.041801" W | 497.59 |
| 3 | 67°13'25.288157" N | 135°34'49.425511" W | 501.72 |
| 4 | 67°13'26.061051" N | 135°34'52.854502" W | 504.87 |
| 5 | 67°13'26.096314" N | 135°34'53.881648" W | 504.62 |
| 6 | 67°13'27.998422" N | 135°34'52.816481" W | 505.11 |
| 7 | 67°13'28.419362" N | 135°34'53.184490" W | 503.88 |
| 8 | 67°13'29.196754" N | 135°34'55.280493" W | 503.49 |
| 9 | 67°13'29.900186" N | 135°34'59.940037" W | 501.80 |
| 10 | 67°13'29.614771" N | 135°35'01.576908" W | 501.75 |
| 11 | 67°13'27.923074" N | 135°35'01.142808" W | 502.21 |
| 12 | 67°13'27.697120" N | 135°35'02.992045" W | 504.62 |
| 13 | 67°13'26.182750" N | 135°35'05.593483" W | 507.49 |
| 14 | 67°13'24.340570" N | 135°35'05.818079" W | 510.19 |
| 15 | 67°13'23.392969" N | 135°35'02.424701" W | 508.20 |
| 16 | 67°13'23.388444" N | 135°34'56.064700" W | 504.37 |
| 17 | 67°13'23.908204" N | 135°34'53.804565" W | 503.37 |
| 18 | 67°13'23.842329" N | 135°34'49.545087" W | 499.62 |
| 19 | 67°13'23.331369" N | 135°34'46.609782" W | 497.09 |



LOCATION MAP
Scale 1:2000

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Gwich'in
GEOMATICS



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8701.07.05
MMM No.:
8701.07.05
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Drawn by: KGK
Checked by: SB

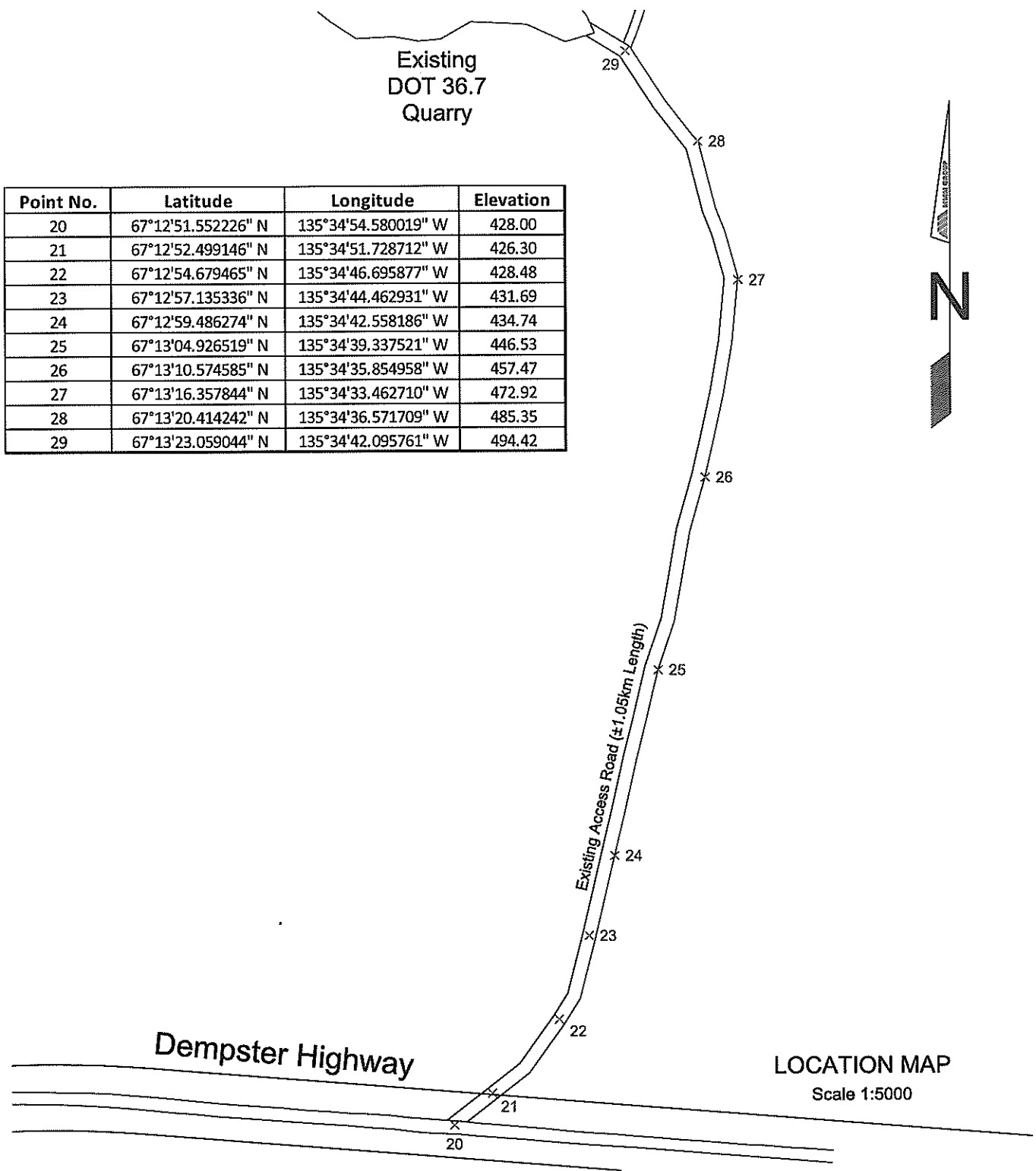
DOT 36.7 QUARRY

PLAN OF
SITE SURVEY
SHOWING LOCATION OF
DOT 36.7 QUARRY

Approximately Latitude 67°13'N Longitude 135°34'W

Existing
DOT 36.7
Quarry

| Point No. | Latitude | Longitude | Elevation |
|-----------|--------------------|---------------------|-----------|
| 20 | 67°12'51.552226" N | 135°34'54.580019" W | 428.00 |
| 21 | 67°12'52.499146" N | 135°34'51.728712" W | 426.30 |
| 22 | 67°12'54.679465" N | 135°34'46.695877" W | 428.48 |
| 23 | 67°12'57.135336" N | 135°34'44.462931" W | 431.69 |
| 24 | 67°12'59.486274" N | 135°34'42.558186" W | 434.74 |
| 25 | 67°13'04.926519" N | 135°34'39.337521" W | 446.53 |
| 26 | 67°13'10.574585" N | 135°34'35.854958" W | 457.47 |
| 27 | 67°13'16.357844" N | 135°34'33.462710" W | 472.92 |
| 28 | 67°13'20.414242" N | 135°34'36.571709" W | 485.35 |
| 29 | 67°13'23.059044" N | 135°34'42.095761" W | 494.42 |



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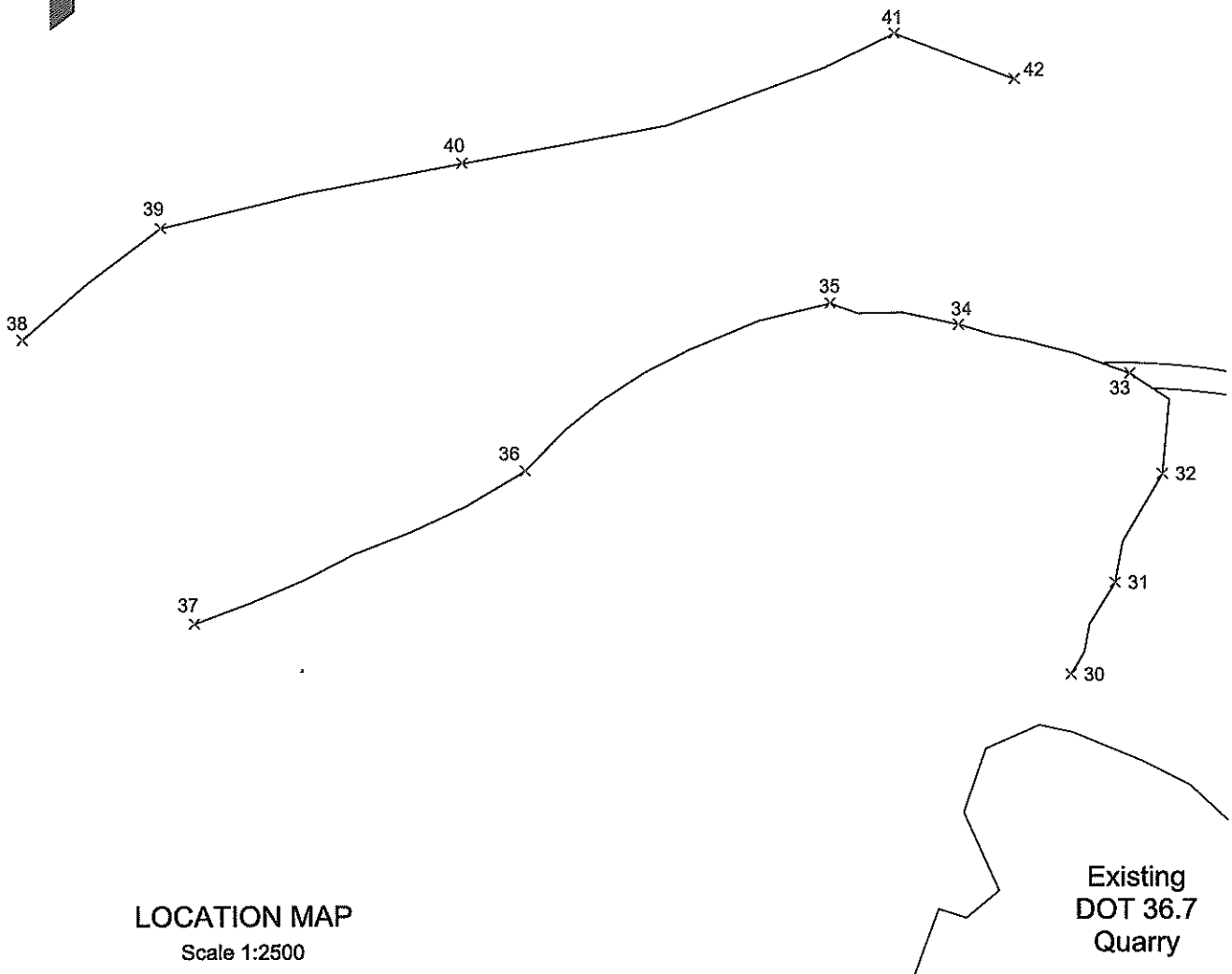
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Job No.:
8701.07.05
MMM No.:
8701.07.05
Surveyed by: BM
Drawn by: KGK
Checked by: SB

DOT 36.7 QUARRY

PLAN OF
SITE SURVEY
SHOWING LOCATION OF
ACCESS ROAD

Approximately Latitude 67°13'N Longitude 135°34'W

| Point No. | Latitude | Longitude | Elevation |
|-----------|--------------------|---------------------|-----------|
| 30 | 67°13'30.506114" N | 135°34'58.959323" W | 500.91 |
| 31 | 67°13'31.603826" N | 135°34'57.620376" W | 499.68 |
| 32 | 67°13'32.900369" N | 135°34'56.187906" W | 498.36 |
| 33 | 67°13'34.092996" N | 135°34'57.205944" W | 496.04 |
| 34 | 67°13'34.660181" N | 135°35'02.475234" W | 489.63 |
| 35 | 67°13'34.902944" N | 135°35'06.422083" W | 489.55 |
| 36 | 67°13'32.883442" N | 135°35'15.770471" W | 485.00 |
| 37 | 67°13'31.037216" N | 135°35'25.897098" W | 486.27 |
| 38 | 67°13'34.400237" N | 135°35'31.238858" W | 473.53 |
| 39 | 67°13'35.741300" N | 135°35'27.008363" W | 473.34 |
| 40 | 67°13'36.538045" N | 135°35'17.765883" W | 477.64 |
| 41 | 67°13'38.118541" N | 135°35'04.503970" W | 479.38 |
| 42 | 67°13'37.585351" N | 135°35'00.814484" W | 484.52 |



LOCATION MAP
Scale 1:2500

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GEOMATICS**



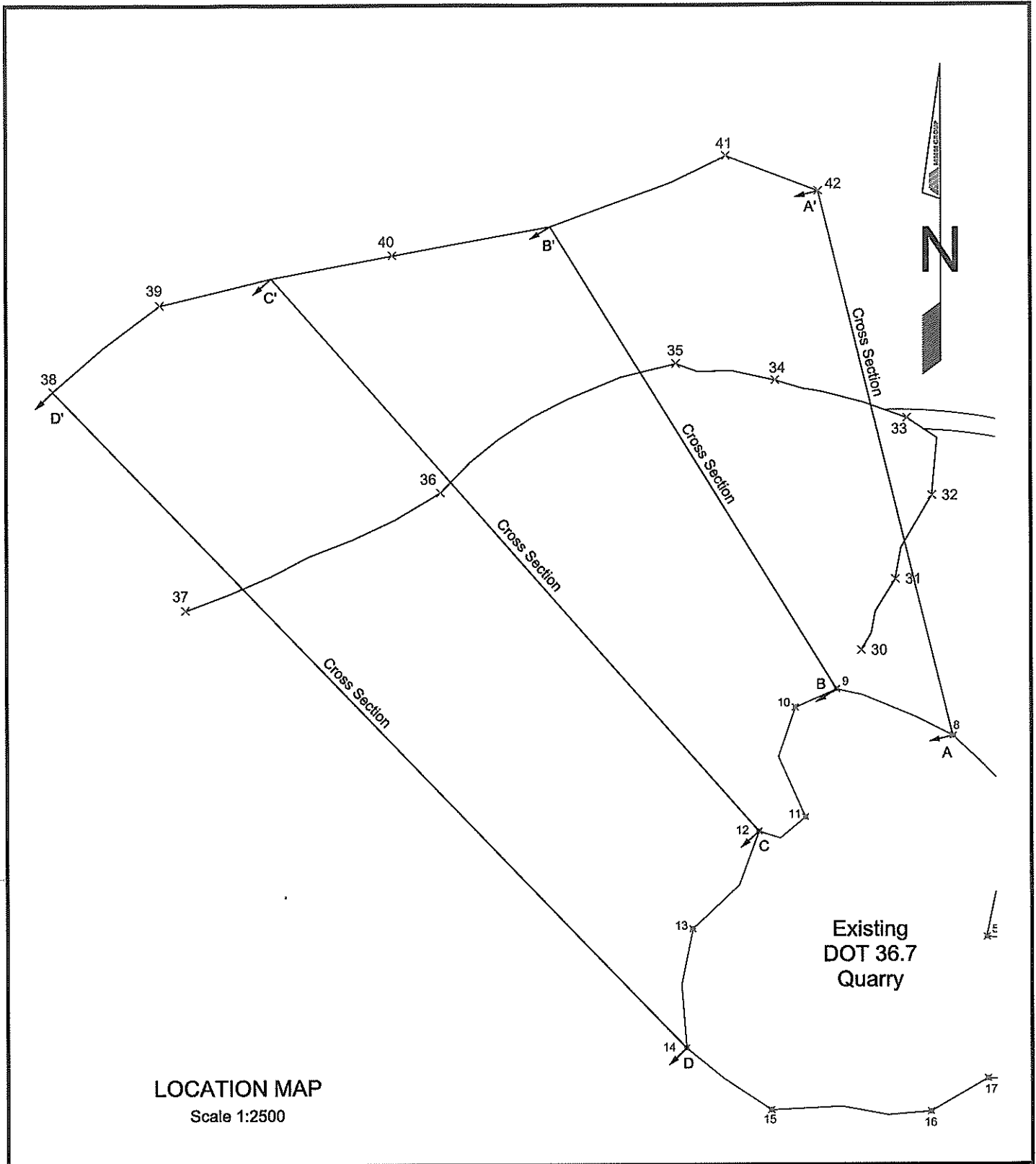
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Job No.:
8701.07.05
MMM No.:
8701.07.05
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Drawn by: KGK
Checked by: SB

DOT 36.7 QUARRY

PLAN OF
SITE SURVEY
SHOWING LOCATION OF
SURROUNDING TOPOGRAPHY

Approximately Latitude 67°13'N Longitude 135°34'W

Sheet 4 of 7



LOCATION MAP
Scale 1:2500

Existing
DOT 36.7
Quarry

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**Gwich'in
GEOMATICS**

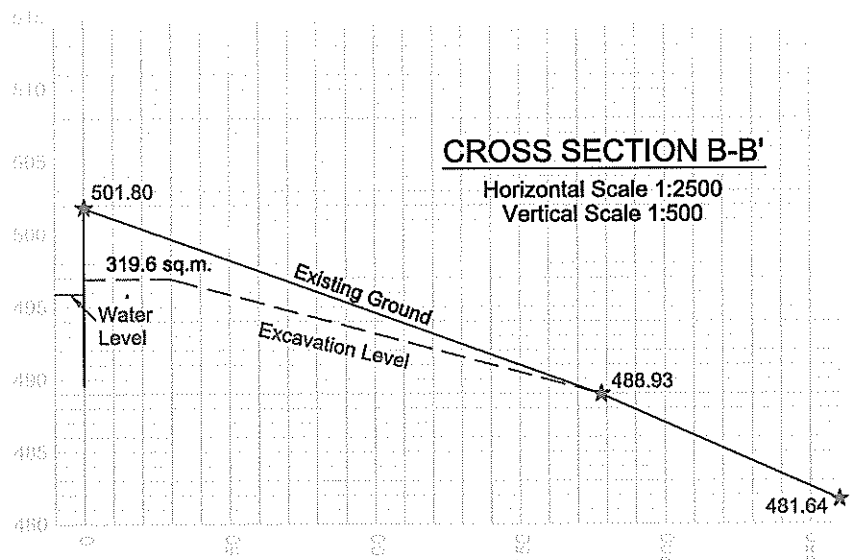
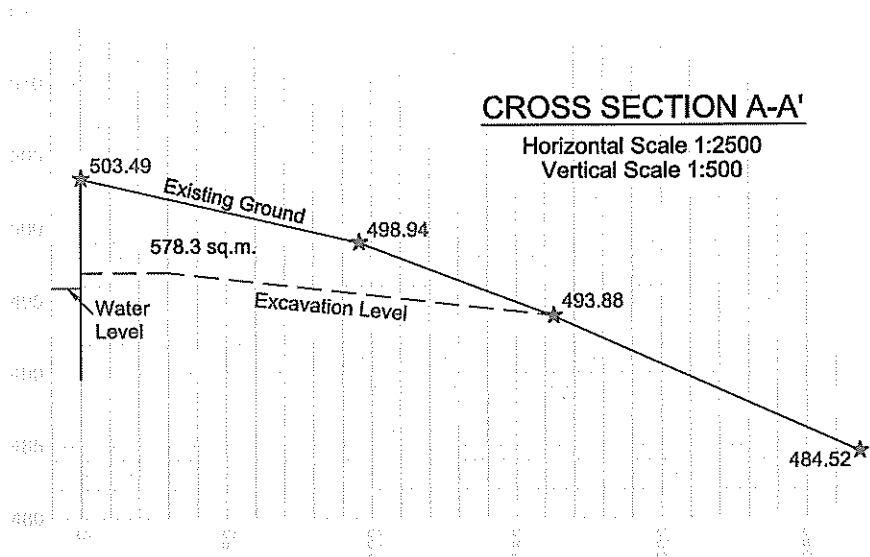
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| Job No.: | 8701.07.05 |
| MMM No.: | 8701.07.05 |
| Surveyed by: | BM |
| Drawn by: | KGK |
| Checked by: | SB |

DOT 36.7 QUARRY

PLAN OF
SITE SURVEY
SHOWING LOCATION OF
**CROSS SECTIONS THROUGH
SURROUNDING TOPOGRAPHY**

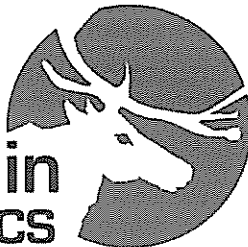
Approximately Latitude 67°13'N Longitude 135°34'W

Sheet 5 of 7



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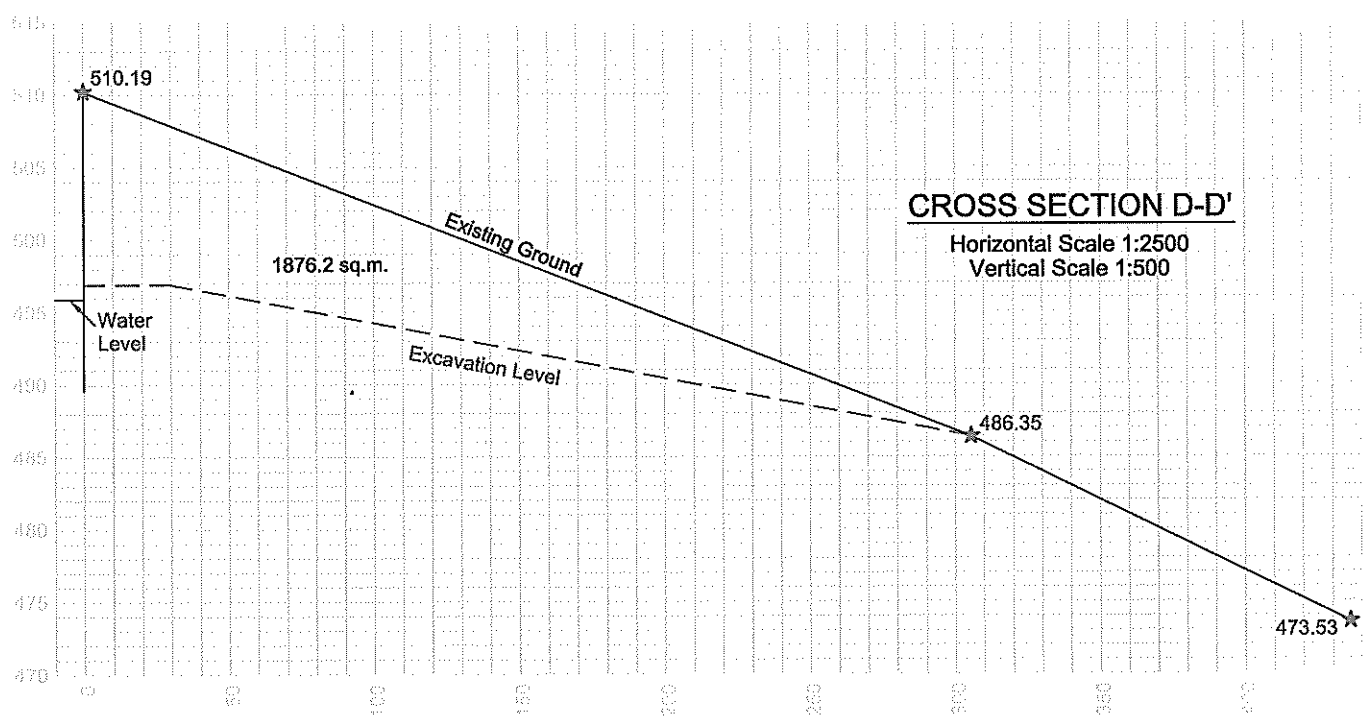
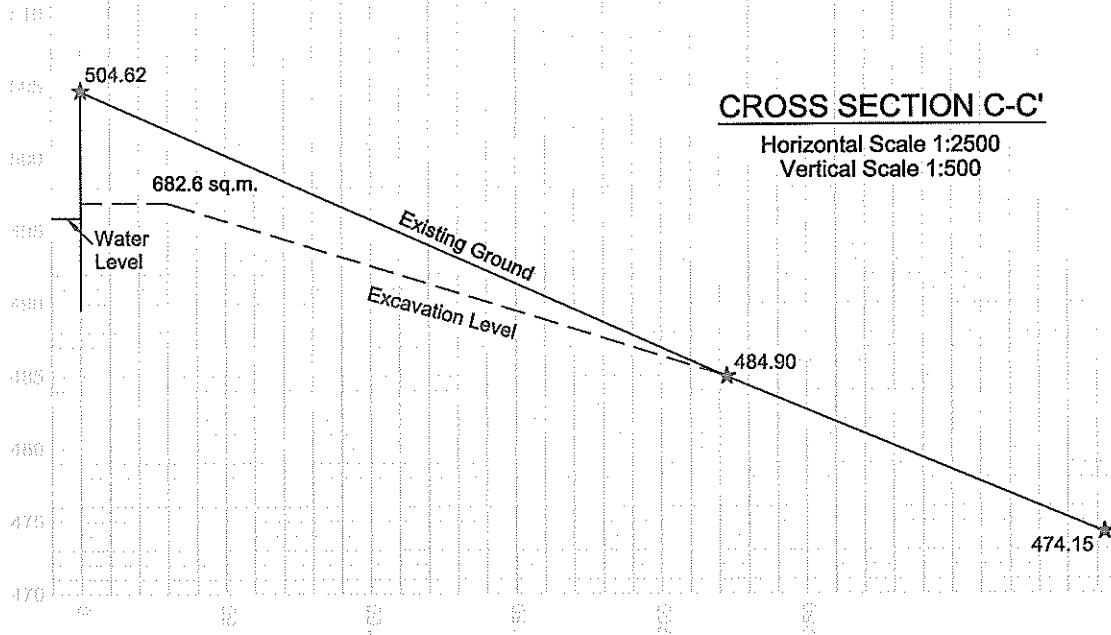
**Gwich'in
GEOMATICS**



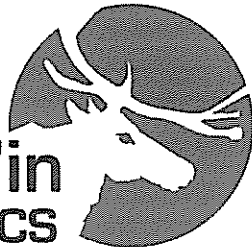
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DOT 36.7 QUARRY

PLAN OF
SITE SURVEY
SHOWING LOCATION OF
**CROSS SECTIONS THROUGH
SURROUNDING TOPOGRAPHY**
Approximately Latitude 67°13'N Longitude 135°34'W



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DOT 36.7 QUARRY

PLAN OF
SITE SURVEY
SHOWING LOCATION OF
**CROSS SECTIONS THROUGH
SURROUNDING TOPOGRAPHY**
Approximately Latitude 67°13'N Longitude 135°34'W