

**STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND AND WATER**

Northern Region
3700 Airport Way
Fairbanks, AK 99709
(907) 451-2740

Southcentral Region
550 W 7th Ave., Suite 900C
Anchorage, AK 99501-3577
(907) 269-8552

Southeast Region
400 Willoughby, #400
Juneau, AK 99801
(907) 465-3400

**MATERIAL SITE RECLAMATION PLAN OR
LETTER OF INTENT/ANNUAL RECLAMATION STATEMENT
AS 27.19.030 – 27.19.050**

Non-refundable filing fee for reclamation plan: \$100

In accordance with Alaska Statute 27.19, reclamation is required of all mining operations, including sand and gravel extraction. Completion of this form will meet the law's requirements for a **reclamation plan** (see below for filing requirements; due date: at least 45 days before mining is proposed to begin; requires approval by the Division of Mining, Land and Water). Completion of this form will also serve as a **letter of intent** for operations exempt from the plan requirement (due date: before mining begins). No approval is required for a letter of intent, but a miner who files a letter of intent must, before December 31, file an **annual reclamation statement** (Section 8 of this form).

1

Check applicable box:

A. RECLAMATION PLAN (REQUIRED if the operation will disturb five or more acres this year, OR 50,000 cubic yards, OR if the operation has a cumulative disturbed area of five or more acres)

C. LETTER OF INTENT (less than five acres to be disturbed AND less than 50,000 cubic yards AND less than five acres unreclaimed area)
NOTE: A miner who files a letter of intent is also required to file an annual reclamation statement at the end of the year.

B. RECLAMATION PLAN—VOLUNTARY (for an operation below limits shown in Box A but wanting to qualify for the statewide bonding pool)

THIS RECLAMATION PLAN/LETTER OF INTENT IS FOR CALENDAR YEAR 2002
(IF YOU CHECKED EITHER BOX A OR B ABOVE AND PROPOSE A MULTI-YEAR PLAN, STATE ALL YEARS COVERED.)

1. MINER INFORMATION (IF THERE IS MORE THAN ONE MINER, ATTACH A LIST OF THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF ALL OTHER OWNERS, OPERATORS, OR LEASEHOLDERS OF THE MINING OPERATION)

Marathon Oil Company

NAME OF MINER WHO WILL SERVE AS AGENT FOR NOTICE PURPOSES

P. O. Box 196168

ADDRESS (NOTIFY THE DEPARTMENT OF ANY LATER CHANGE OF ADDRESS)

Anchorage	Alaska	99519-6168	(907) 561-5311
CITY	STATE	ZIP CODE	TELEPHONE

NAME OF LANDOWNER (IF OTHER THAN MINER) OR PUBLIC LAND MANAGEMENT AGENCY

FEDERAL OR STATE CASEFILE NUMBER (IF ANY) ASSIGNED TO THE SITE

2. LEGAL DESCRIPTION OF PROPOSED MINING SITE

NE 1/4, Section 28 Except Hardy Tract 1	T5N	R11W	Seward
LEGAL SUBDIVISION/ SECTION/ QUARTER-SECTION	TOWNSHIP	RANGE	MERIDIAN

3. DESCRIPTION OF THE MINING OPERATION (IF YOU CHECKED BOX A OR B ON P. 1 OF THIS FORM AND ARE PROPOSING A MULTI-YEAR RECLAMATION PLAN, ATTACH SEPARATE SHEETS AS NEEDED SHOWING ACREAGE TO BE MINED, VOLUME TO BE MINED, AND EXISTING ACREAGE OF MINED AREA FOR EACH YEAR COVERED BY THE PLAN)

- a. 4.8 acres Total acreage to be mined or disturbed during the year.
- b. 48,000 cu. yds. Estimated total volume to be mined or disturbed, including overburden.
- c. sand & gravel Type of material (sand, gravel, peat, etc.).
- d. 2.5 acres Existing acreage of mined area (disturbed area that has not yet been reclaimed, but counting only acreage disturbed after October 15, 1991)

4. DESCRIPTION OF THE RECLAMATION OPERATION

- a. The total acreage that will be reclaimed during the year (or each year, if for a multi-year reclamation plan) is: 2.5 see attached.
- b. Provide a list of equipment (type and quantity) to be used during the reclamation operation. Volvo L180 Loader, D8 Cat Dozer, Hitachi EX 400 or equivalent
- c. A time schedule of reclamation measures shall be included as part of the plan. see attached

The following measures must be considered in preparing and implementing the reclamation plan. Please mark those measures appropriate to your reclamation activity:

- Topsoil that is not promptly redistributed to an area being reclaimed will be separated and stockpiled for future use. This material will be protected from erosion and contamination by acidic or toxic materials and preserved in a condition suitable for later use.
- The area will be backfilled, graded and recontoured using strippings, overburden, and topsoil to a condition that allows for the reestablishment of renewable resources on the site within a reasonable period of time. It will be stabilized to a condition that will allow sufficient moisture to be retained for natural revegetation.
- Stockpiled topsoil will be spread over the reclaimed area to promote natural plant growth that can reasonably be expected to revegetate the area within five years.
- n/a Stream channel diversions will be relocated to a stable location in the flood plain.
- Exploration trenches or pits will be backfilled. Brush piles, vegetation, topsoil, and other organics will be spread on the backfilled surface to inhibit erosion and promote natural revegetation.
- n/a All buildings and structures constructed, used, or improved on land owned by the State of Alaska will be removed, dismantled, or otherwise properly disposed of at the completion of the mining operation.
- Any roads, airstrips or other facilities constructed to provide access to the mining operation shall be reclaimed (unless otherwise authorized) and included in the reclamation plan.
- n/a Peat and topsoil mine operations shall ensure a minimum of two inches of suitable growing medium is left or replaced on the site upon completion of the reclamation activity.

- If extraction occurs within a flood plain, the reclamation activity shall reestablish a stable bed and bank profile such that river currents will not be altered and erosion and deposition patterns will not change.
- n/a

NOTE: If you propose to use reclamation measures other than those shown above, or if the private landowner or public land manager of the site requires you to use stricter reclamation measures than those shown above, attach a list of those measures to this plan.

5. ALTERNATE POST-MINING LAND USE

- The mining site is public land. The land management agency's land use plan (if any) for post-mining land use is: _____
- The mining site is public land. As allowed by AS 27.19.030(b), I propose to reclaim it to the following post-mining land use: _____
- The mining site is private property. The private landowner plans to use it for the following post-mining land use: _____
Site will be reclaimed.

6. ATTACHMENTS

- n/a If the mining operation has additional owners, operators, or leaseholders not shown on p. 1 of this form, attach a list of their names, addresses, and telephone numbers.
- Attach a USGS map at a scale no smaller than 1:63,360 (inch to the mile) showing the general vicinity of the mining operation and the specific property to be mined. Option: If you checked Box C on the first page of this form and the mining site is adjacent to an airport or public highway, state the name of the airport or the name and milepost of the public highway.
- Attach a diagram of the mined area (this term includes the extraction site, stockpile sites, overburden disposal sites, stream diversions, settling ponds, etc.) and the mining operation as a whole (this term includes the roads you plan to build, your power lines, support facilities, etc.). Show and state the number of acres to be mined during the year. (If you checked Box A or B on the first page of this form and your plan covers more than one year, show each year's work.) Show the location corners or property boundaries of the site in relation to the reclamation work and any other areas affected by the operation.
- Attach a list of the equipment (type and quantity) to be used during the reclamation activity.
- A time schedule of events must be attached that includes dates and activities related to this reclamation plan.
- n/a If the site is private land not owned by the miner, attach a signed, notarized statement from the landowner indicating the landowner's consent to the operation. The landowner may also use the consent statement to notify the department that the landowner plans a post-mining land use incompatible with natural revegetation and therefore believes that reclamation to the standard of AS 27.19.020 is not feasible.
- n/a For those miners that are required to file an annual reclamation statement, attach photographs and/or videotapes dated and described as to location of the reclamation activity that was completed.
- n/a If you propose to use reclamation measures other than those listed on this form, or if the private landowner or public land manager of the site requires you to use stricter reclamation measures, attach a list of those measures.

7. RECLAMATION BONDING (REQUIRED ONLY IF YOU CHECKED BOX A or B ON THE FIRST PAGE OF THIS FORM)

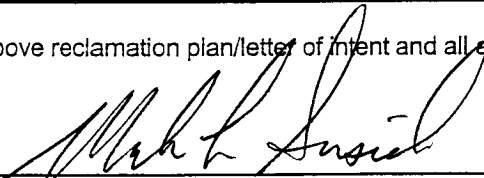
The total acreage of my mining operation that is subject to the bonding requirement for the current year is _____ acres (add acreages stated in Section 3(a) and 3(d) of this form).

The per-acre bond amount is \$750/acre or a total bond amount of \$_____.

Please check the appropriate bonding method that you will apply toward this reclamation plan:

- Participation in the statewide bonding pool.
- Posting a corporate surety bond.
- Posting a personal bond accompanied by a letter of credit, certificate of deposit, or a deposit of cash or gold.
- Posting a bond or financial guarantee with another government agency that has jurisdiction over the mining operation, as allowed by a cooperative management agreement between that agency and the Division of Mining, Land and Water.
- Posting a general performance bond with a state agency that meets the requirements of 11 AAC 97.400(4).

The above reclamation plan/letter of intent and all attachments are correct and complete to the best of my knowledge.



Signature of Miner

8/14/02

Date

AS 27.19.030 and AS 27.19.050 require a miner either to file a reclamation plan for approval or to file a letter of intent followed by an annual reclamation statement. This information is made a part of the state public land records and becomes public information under AS 40.25.110 and 40.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(9) and confidentiality is requested). Public information is open to inspection by you or any member of the public. A person who is the subject of the information may challenge its accuracy or completeness under AS 44.99.310, by giving a written description of the challenged information, the changes needed to correct it, and a name and address where the person can be reached. False statements made in an application for a benefit are punishable under AS 11.56.210.

8. **ANNUAL RECLAMATION STATEMENT—REQUIRED IF YOU FILED A LETTER OF INTENT (CHECKED BOX C ON THE FIRST PAGE) FOR THIS OPERATION. DUE DATE: DECEMBER 31, _____.** YOU MUST FILE EVEN IF THE MINING DESCRIBED IN YOUR LETTER OF INTENT DID NOT TAKE PLACE.

This 2002 annual reclamation statement is for:
(year)

- a. 4.8 acres Total acreage mined.
- b. 48,000 cu. yds. Total volume mined or disturbed, including overburden.
- c. 2.5 acres Total acreage reclaimed.
- d. 4.8 acres Cumulative total of unreclaimed acreage.
- e. Reclamation measures that were used (check appropriate measures from Section 4, DESCRIPTION OF THE RECLAMATION OPERATION, and attach list of additional or stricter measures if applicable).

The above annual reclamation statement and all attachments are correct and complete to the best of my knowledge.

Signature of Miner

Date

AS 27.19.030 and AS 27.19.050 require a miner either to file a reclamation plan for approval or to file a letter of intent followed by an annual reclamation statement. This information is made a part of the state public land records and becomes public information under AS 40.25.110 and 40.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(9) and confidentiality is requested). Public information is open to inspection by you or any member of the public. A person who is the subject of the information may challenge its accuracy or completeness under AS 44.99.310, by giving a written description of the challenged information, the changes needed to correct it, and a name and address where the person can be reached. False statements made in an application for a benefit are punishable under AS 11.56.210.

SITE LOCATION

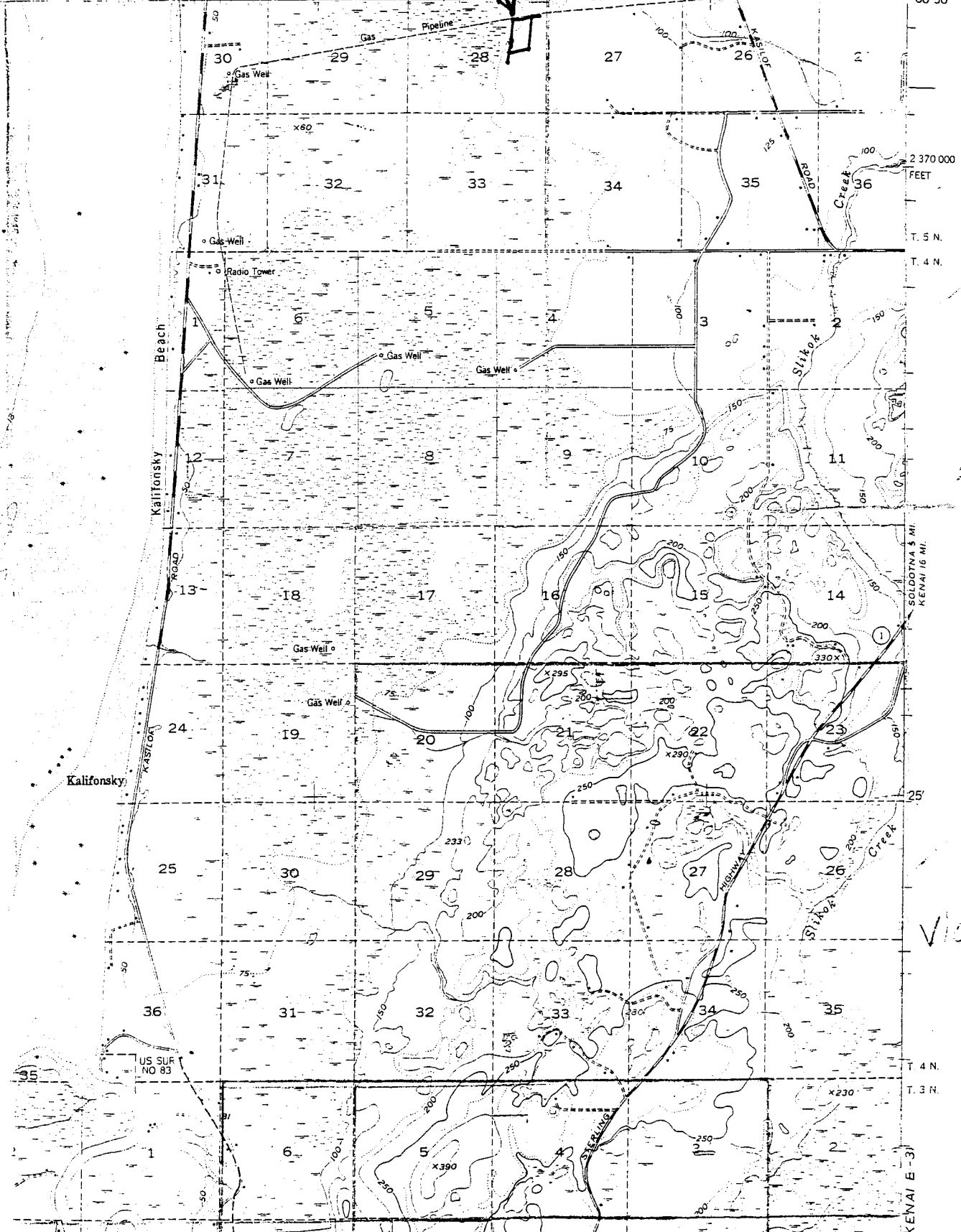
KENAI (B-4) QUADRANGLE
ALASKA-KENAI PENINSULA BOROUGH
1:63 360 SERIES (TOPOGRAPHIC)

(KENAI C-3)

(KENAI C-4)

10,290,000 FEET

151°07'30"
60°36'



SOLDOTNA 3 MI.
KENAI 16 MI.

V100

(KENAI E-3)

US SUR
NO 83

NOTES:

1.) THE LEGAL DESCRIPTION FOR THIS MATERIAL SITE IS THE NE1/4, SECTION 28, TOWNSHIP 5 NORTH, RANGE 11 WEST, SEWARD MERIDIAN, ALASKA EXCEPT HARDY TRACT I, CONTAINING APPROXIMATELY 153.6 ACRES MORE OR LESS.

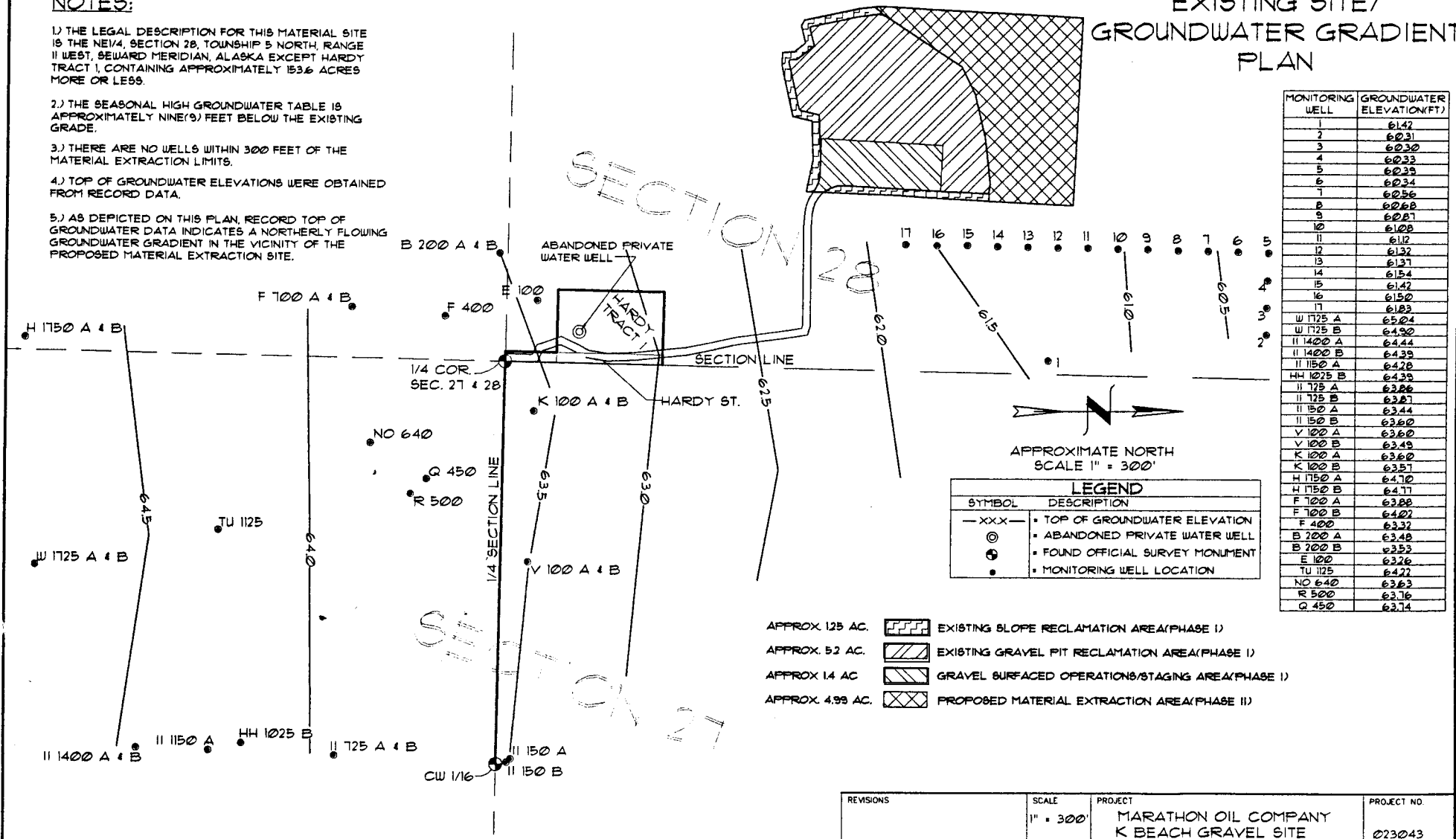
2.) THE SEASONAL HIGH GROUNDWATER TABLE IS APPROXIMATELY NINE(9) FEET BELOW THE EXISTING GRADE.

3.) THERE ARE NO WELLS WITHIN 300 FEET OF THE MATERIAL EXTRACTION LIMITS.

4.) TOP OF GROUNDWATER ELEVATIONS WERE OBTAINED FROM RECORD DATA.

5.) AS DEPICTED ON THIS PLAN, RECORD TOP OF GROUNDWATER DATA INDICATES A NORTHERLY FLOWING GROUNDWATER GRADIENT IN THE VICINITY OF THE PROPOSED MATERIAL EXTRACTION SITE.

**EXISTING SITE/
GROUNDWATER GRADIENT
PLAN**



MONITORING WELL	GROUNDWATER ELEVATION(FT)
1	61.42
2	62.31
3	62.30
4	62.33
5	62.35
6	62.34
7	62.56
8	62.68
9	62.87
10	61.28
11	61.12
12	61.32
13	61.37
14	61.54
15	61.42
16	61.50
17	61.83
W 1725 A	65.04
W 1725 B	64.90
11 1400 A	64.44
11 1400 B	64.35
11 1150 A	64.28
HH 1025 B	64.35
11 775 A	63.86
11 775 B	63.87
11 150 A	63.44
11 150 B	63.60
V 100 A	63.60
V 100 B	63.45
K 100 A	63.62
K 100 B	63.57
H 1750 A	64.70
H 1750 B	64.71
F 700 A	63.88
F 700 B	63.07
F 400	63.32
B 700 A	63.48
B 700 B	63.53
E 100	62.52
TU 1125	64.77
NO 640	63.63
R 500	63.76
Q 450	62.74

LEGEND

SYMBOL	DESCRIPTION
-xxx-	TOP OF GROUNDWATER ELEVATION
⊙	ABANDONED PRIVATE WATER WELL
⊕	FOUND OFFICIAL SURVEY MONUMENT
•	MONITORING WELL LOCATION

- APPROX 125 AC. EXISTING SLOPE RECLAMATION AREA(PHASE I)
- APPROX 52 AC. EXISTING GRAVEL PIT RECLAMATION AREA(PHASE I)
- APPROX 14 AC. GRAVEL SURFACED OPERATIONS/STAGING AREA(PHASE I)
- APPROX 4.95 AC. PROPOSED MATERIAL EXTRACTION AREA(PHASE II)

REVISIONS	SCALE 1" = 300'	PROJECT MARATHON OIL COMPANY K BEACH GRAVEL SITE	PROJECT NO. 023043
		LOCATION SOLDOTNA, ALASKA NE1/4 SEC. 28 T5N R11W SEWARD MERIDIAN, ALASKA	DRWG. NO. 023043
PREPARED FOR: MARATHON OIL COMPANY ALASKA REGION	DRAWN BY SCJ	DATE 08/06/02	CHECKED BY DATE
			SHEET NO. OF 4

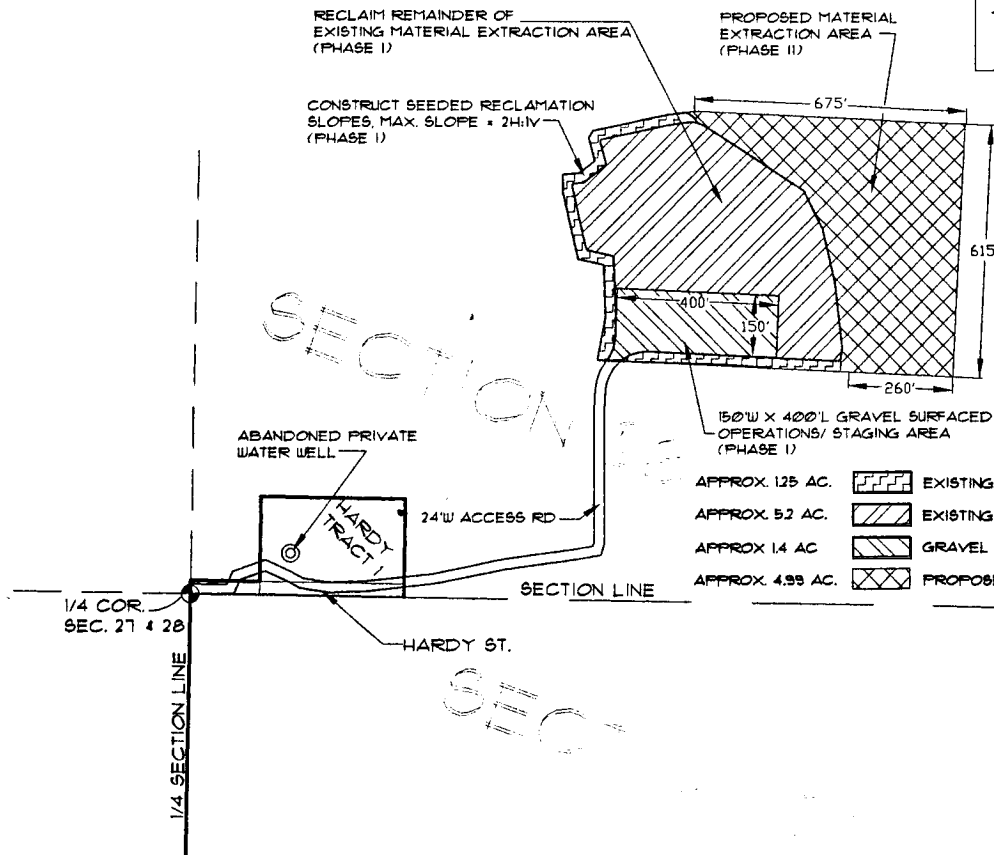
P.O. Box 468 Soldotna, AK 99669
 Consulting Group
 McLane Testing
 TEL 907.283.4218 FAX 907.293.3265

SITE RECLAMATION/ MATERIAL EXTRACTION PLAN



APPROXIMATE NORTH
SCALE 1" = 300'

LEGEND	
SYMBOL	DESCRIPTION
---XXX---	• TOP OF GROUNDWATER ELEVATION
⊙	• ABANDONED PRIVATE WATER WELL
⊕	• OFFICIAL SURVEY MONUMENT



APPROX. 125 AC.		EXISTING SLOPE RECLAMATION AREA (PHASE I)
APPROX. 52 AC.		EXISTING GRAVEL PIT RECLAMATION AREA (PHASE I)
APPROX. 14 AC.		GRAVEL SURFACED OPERATIONS/STAGING AREA (PHASE I)
APPROX. 4.99 AC.		PROPOSED MATERIAL EXTRACTION AREA (PHASE II)

NOTES:

- 1.) ALL MATERIAL EXTRACTION AND SITE RECLAMATION WILL BE PERFORMED IN ACCORDANCE WITH THE KENAI PENINSULA BOROUGH CODE.
- 2.) PROPOSED MATERIAL EXTRACTION WILL BE LIMITED TO DISTURBING LESS THAN FIVE(5) ADDITIONAL ACRES WITHIN THE SITE. PROPOSED MATERIAL EXTRACTION WILL ALSO BE LIMITED TO REMOVING LESS THAN FIFTY THOUSAND(50,000) CUBIC YARDS OF MATERIAL FROM THE SITE.
- 3.) PROPERTY BOUNDARIES AND SURVEY DATA SHOWN HEREON WERE DERIVED FROM RECORD DATA.
- 4.) WETLANDS WILL NOT BE FILLED WITHOUT PRIOR APPROVAL OF ARMY CORPS OF ENGINEERS PERMIT.
- 5.) EXISTING VEGETATION OUTSIDE THE MATERIAL EXTRACTION LIMITS WILL BE MAINTAINED AS A BUFFER.
- 6.) ALL DISTURBED AREAS WILL BE RECLAIMED FOLLOWING EXTRACTION OF MATERIALS.
- 7.) RECLAIMED AREAS WILL BE BACKFILLED AND GRADED, UTILIZING MATERIALS STRIPPED FROM THE SITE, TO A CONDITION THAT ALLOWS FOR RE-ESTABLISHMENT OF NATURAL VEGETATION.
- 8.) SLOPES STEEPER THAN 2H:1V WILL BE SEEDED.
- 9.) THERE WILL BE LESS THAN 5 ACRES OF UN-RECLAIMED DISTURBED AREA AT ALL TIMES THROUGHOUT THE MATERIAL EXTRACTION PROCESS.
- 10.) AS THE SITE IS CLEARED AND STRIPPED, TOPSOIL AND STRIPPED MATERIALS WILL BE SALVAGED AND EITHER STOCKPILED OR PLACED OVER PREVIOUSLY DISTURBED AREAS AS RECLAMATION MATERIAL.
- 11.) STOCKPILED TOPSOIL MAY BE USED TO CONSTRUCT BERM'S ALONG THE PROPERTY LINES AND SERVE AS BUFFERS PER KPB 2113.070 B.

PHASE I

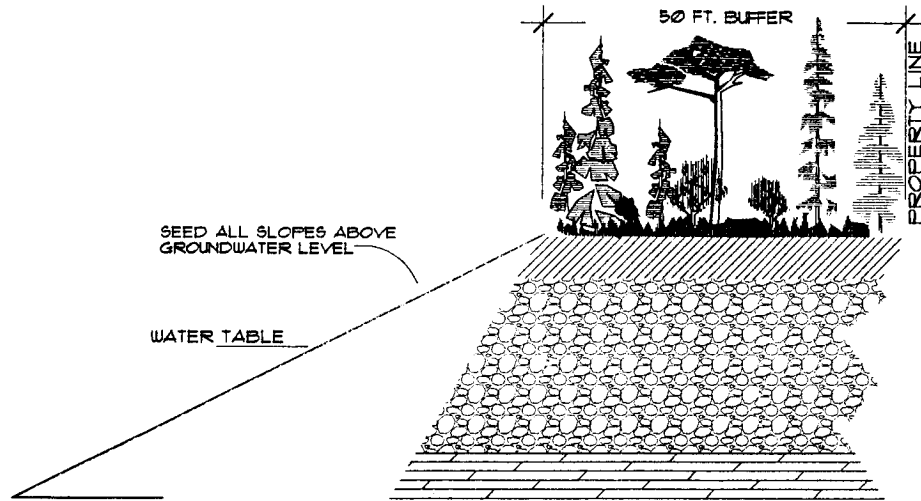
- 1.) PHASE I RECLAMATION SHALL BEGIN FALL 2002.
- 2.) RECLAIM EXISTING MATERIAL EXTRACTION AREA IN ACCORDANCE WITH THE NOTES ON THIS SHEET AND THE DETAILS ON SHEETS C3 AND C4 OF THIS PLAN.
- 3.) IF NECESSARY, MATERIAL WILL BE STRIPPED FROM THE PROPOSED EXTRACTION AREA FOR USE AS RECLAMATION MATERIAL.
- 4.) CONSTRUCT 150'W X 400'L GRAVEL SURFACED OPERATIONS/STAGING AREA.

PHASE II

- 1.) EXTRACT MATERIALS FROM THE PROPOSED MATERIALS EXTRACTION SITE IN ACCORDANCE WITH THIS PLAN.
- 2.) MATERIALS WILL BE EXTRACTION WITHIN FIVE(5) YEARS OF ISSUANCE OF MATERIALS SITE PERMIT.
- 3.) ALL DISTURBED AREAS WILL BE RECLAIMED WITHIN TWO(2) YEARS FOLLOWING MATERIALS EXTRACTION.

REVISIONS	SCALE 1" = 300'	PROJECT MARATHON OIL COMPANY K BEACH GRAVEL SITE	PROJECT NO. 023043
P.O. BOX 488 SOLDOTNA, AK 99589		LOCATION SOLDOTNA ALASKA NE 1/4 SEC. 28 T05N R11W SEWARD MERIDIAN, ALASKA	DRWG. NO. 023043
		DRAWN BY SCJ	DATE 08/06/02
		CHECKED BY	DATE
		SHEET NO.	OF
		2	4

PREPARED FOR:
MARATHON OIL COMPANY
ALASKA REGION



- 1) ALL SITE RECLAMATION WILL BE PERFORMED IN ACCORDANCE WITH THE KENAI PENINSULA BOROUGH CODE.
- 2) IN AREAS WHERE MATERIAL IS EXTRACTED LOWER THAN 2 FEET ABOVE THE WATER TABLE ALL RECLAMATION SLOPES ABOVE THE WATER TABLE WILL BE SEEDED.

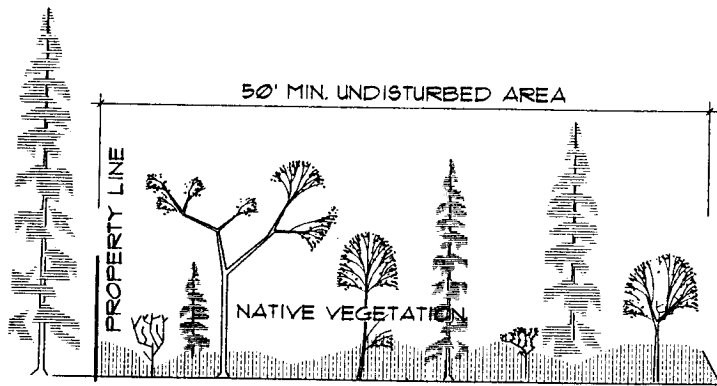
A
3
**RECLAMATION SLOPE W/ EXTRACTION
 BELOW 2 FEET ABOVE WATER TABLE**
 NOT TO SCALE

TYPICAL SOIL EXPLORATION LOG

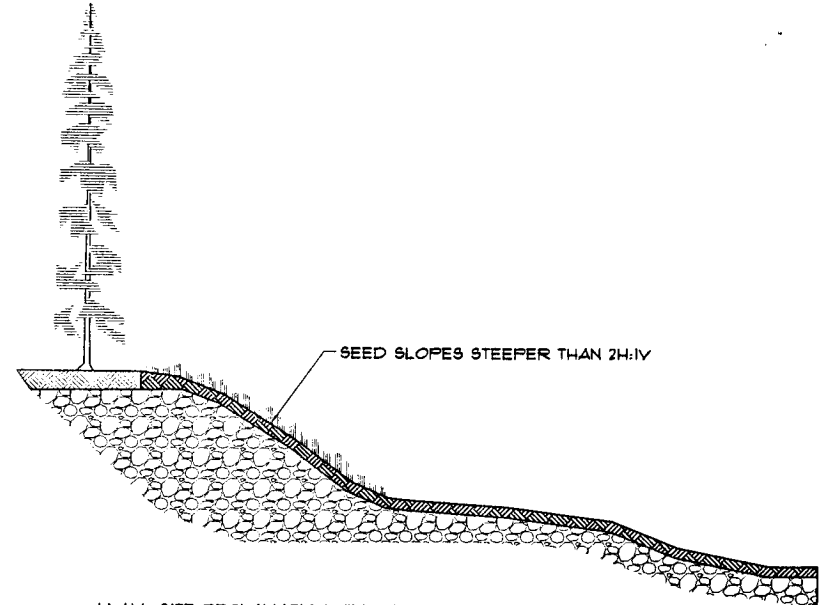
DEPTH	SOILS	USCS	DESCRIPTION
0			PT Organic Material
2			
4			
6		SP	GRAVELLY SAND
8			▽ Ground Water Encountered
10			
12		GP	SANDY GRAVEL
14			B.O.H.
16			
18			

TYPICAL SECTIONS

REVISIONS	SCALE N.T.S.	PROJECT MARATHON OIL COMPANY K BEACH GRAVEL SITE	PROJECT NO. 023043				
P.O. Box 468 Soldotna, AK 99669		 Consulting Group Testing	LOCATION SOLDOTNA, ALASKA NE1/4, SEC. 28, T05N, R11W SEWARD MERIDIAN, ALASKA				
TEL 907.283.4218 FAX 907.283.3265			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DRAWN BY SCJ</td> <td style="width: 25%;">DATE 08/06/02</td> <td style="width: 25%;">CHECKED BY</td> <td style="width: 25%;">DATE</td> </tr> </table>	DRAWN BY SCJ	DATE 08/06/02	CHECKED BY	DATE
DRAWN BY SCJ	DATE 08/06/02	CHECKED BY	DATE				
			SHEET NO. OF 3 4				

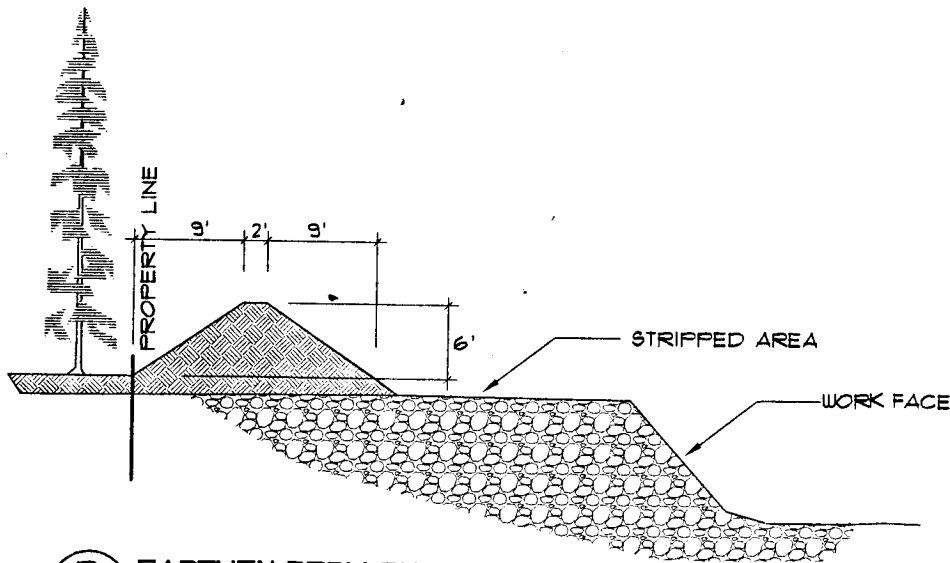


A NATIVE VEGETATION BUFFER
4 NOT TO SCALE



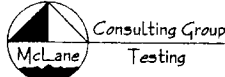
- 1.) ALL SITE RECLAMATION WILL BE PERFORMED IN ACCORDANCE WITH THE KENAI PENINSULA BOROUGH CODE.
- 2.) SLOPES STEEPER THAN 2:1 WILL BE SEEDED.
- 3.) LESSER SLOPES WILL BE COVERED WITH SILT TOPSOIL MIX AND ORGANIC CLEARING DEBRIS.

C RECLAMATION ABOVE WATER TABLE
4 NOT TO SCALE



B EARTHEN BERM BUFFER
4 NOT TO SCALE

TYPICAL SECTIONS

REVISIONS	SCALE N.T.S.	PROJECT MARATHON OIL COMPANY K BEACH GRAVEL SITE	PROJECT NO. 023043
P.O. BOX 468 SOLDOTNA, AK 99669		LOCATION SOLDOTNA, ALASKA NE 1/4 SEC. 28 T05N R11W SEWARD MERIDIAN, ALASKA	DRWG. NO. 023043DET
		DRAWN BY SCJ	DATE 08/06/02
		CHECKED BY	DATE
		SHEET NO. 4	OF 4
TEL 907.283.4218 FAX 907.283.3265			