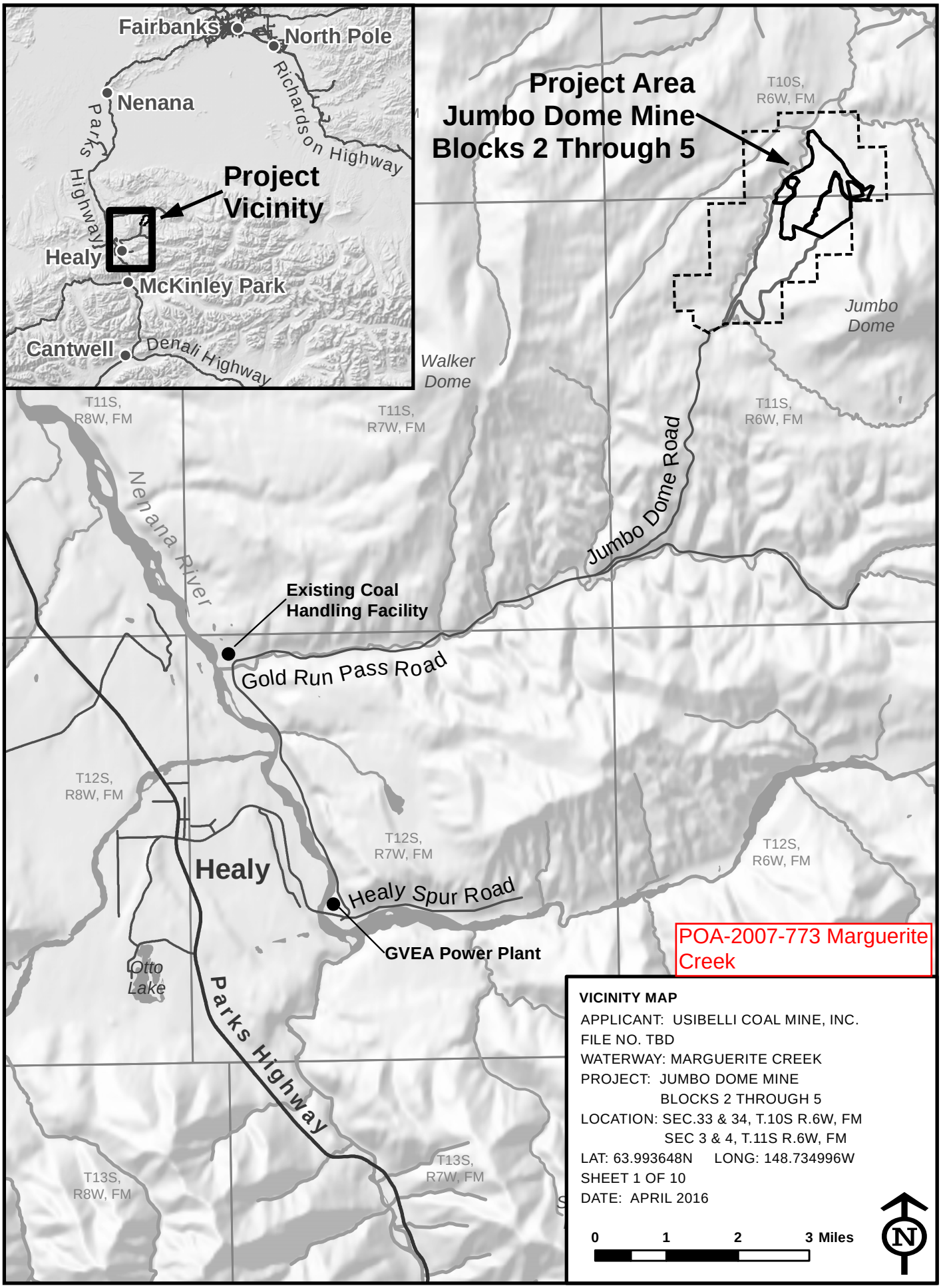
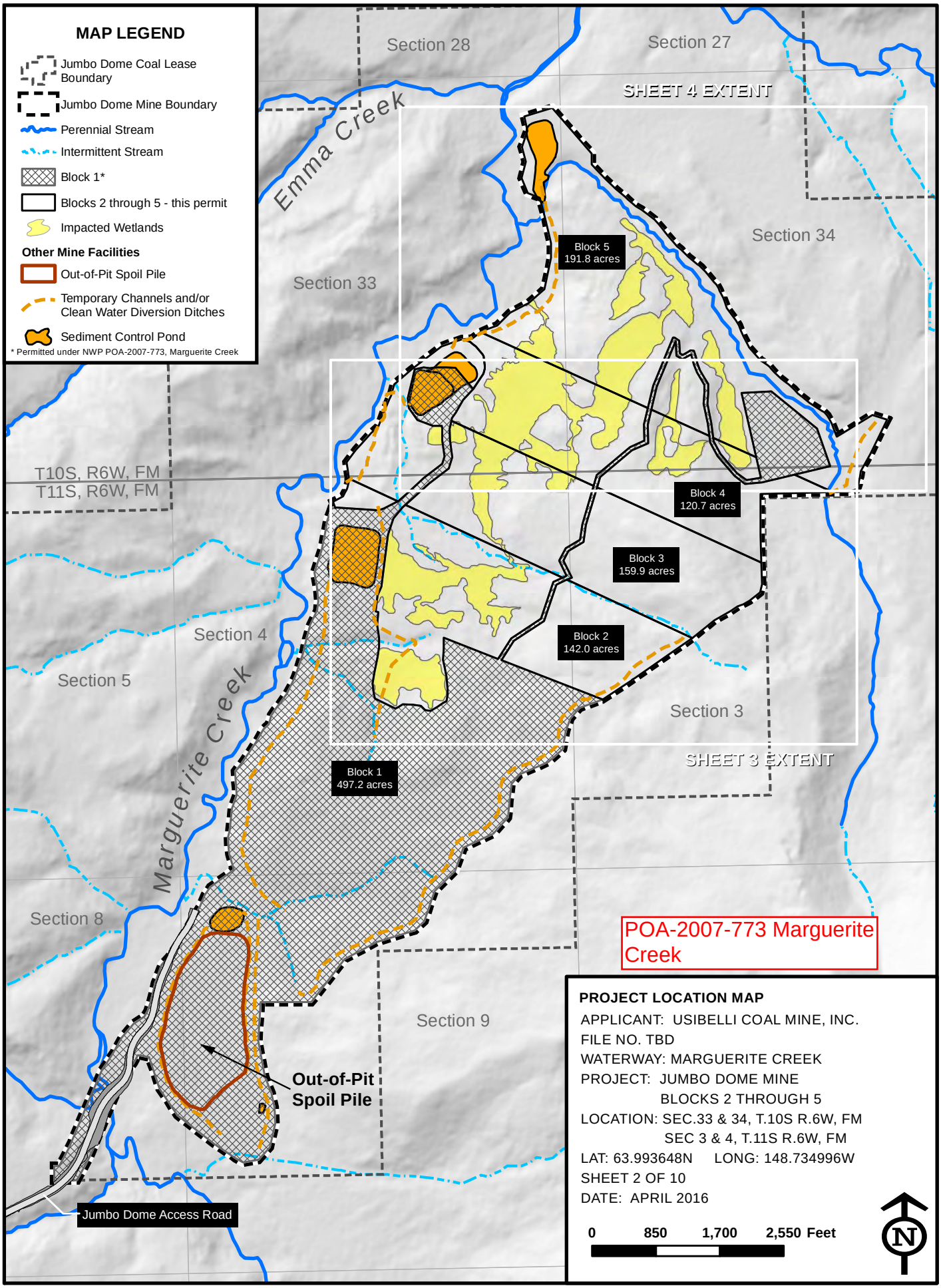
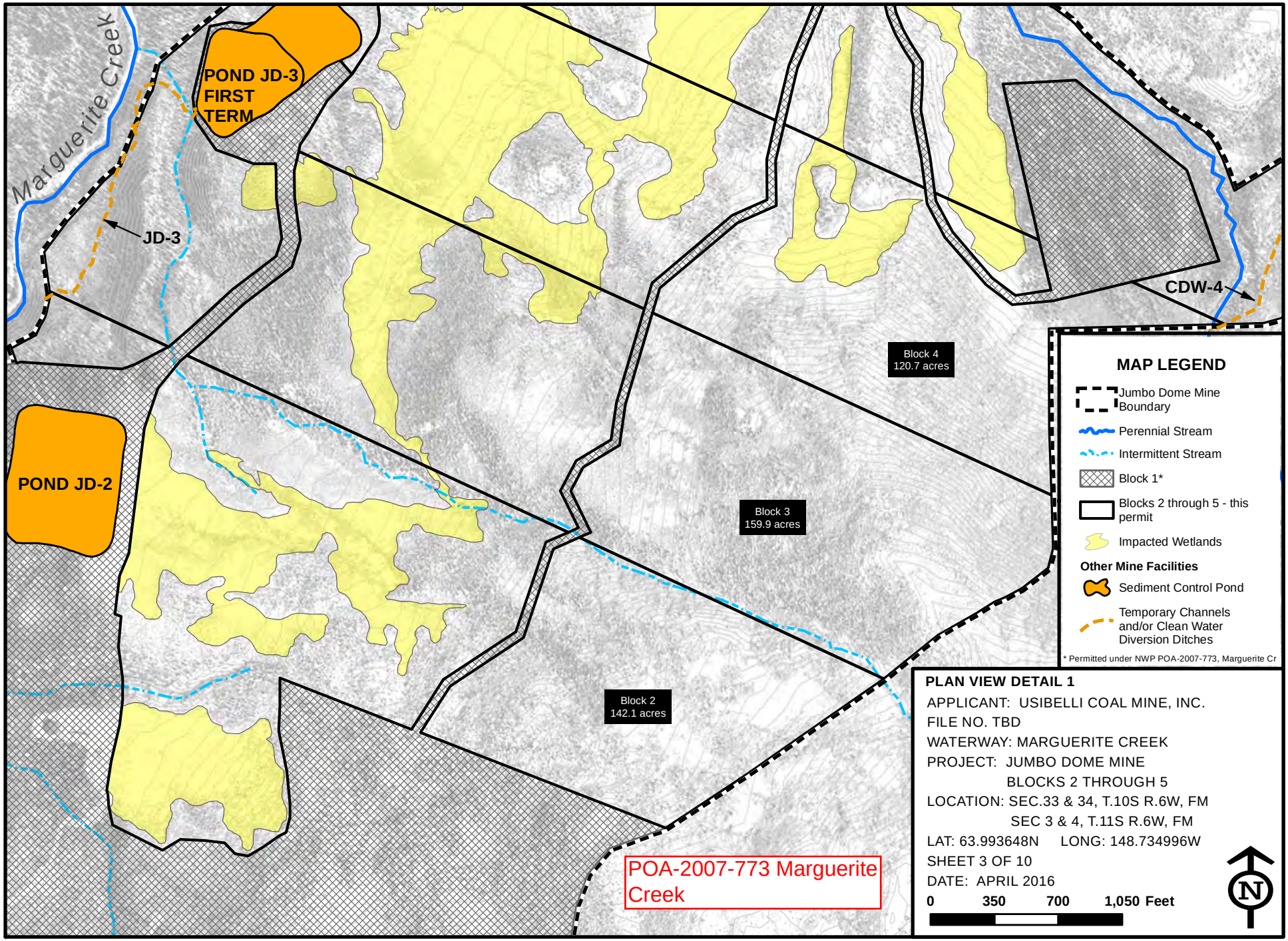
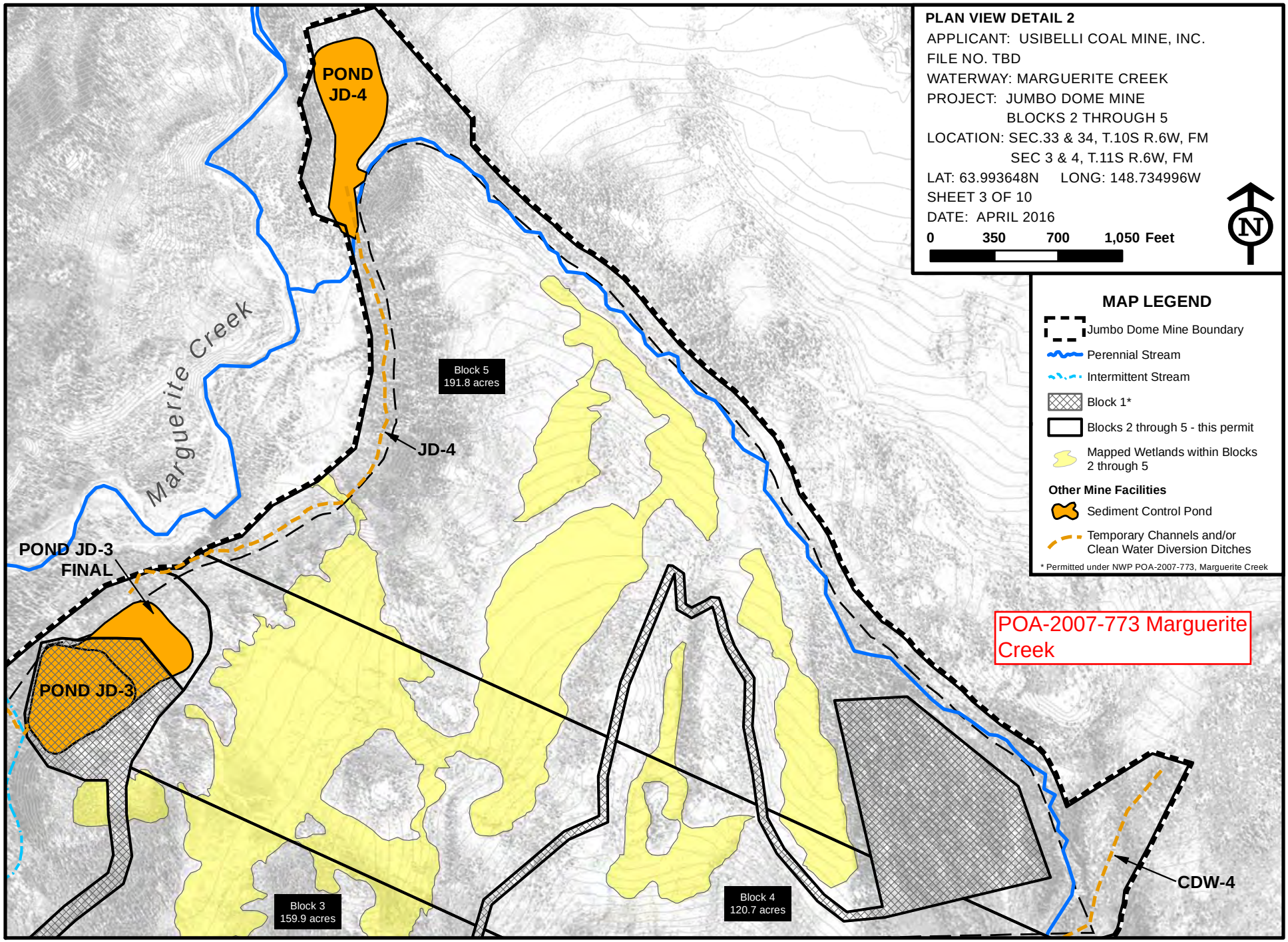
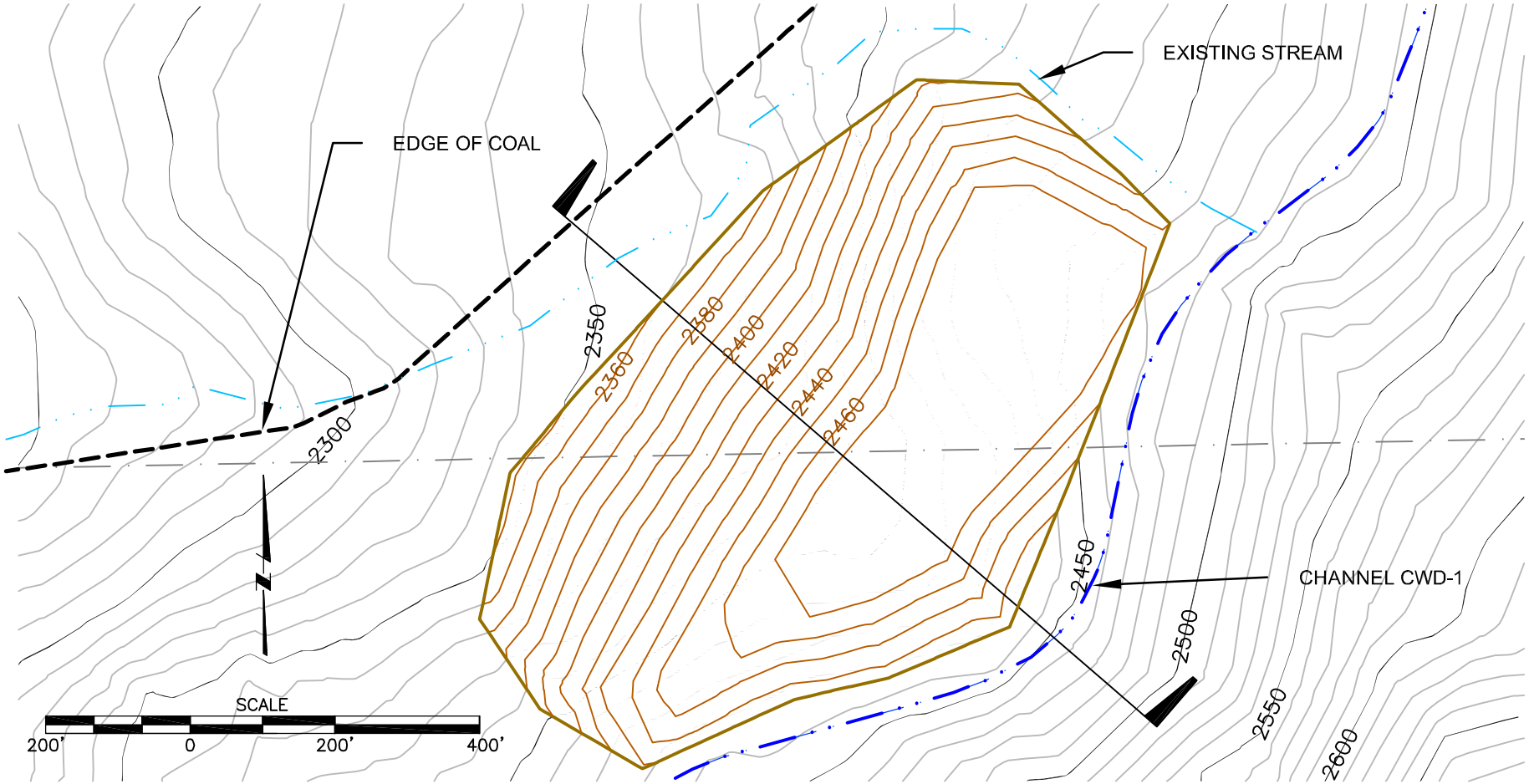
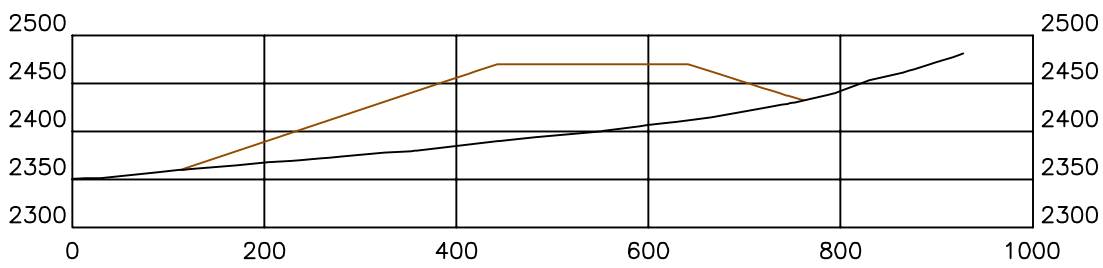

Fairbanks
North Pole
Nenana
Richardson Highway
Parks Highway
Project Vicinity
Healy
McKinley Park
Cantwell
Denali Highway
Project Area
Jumbo Dome Mine
Blocks 2 Through 5
T10S, R6W, FM
Jumbo Dome
Walker Dome
T11S, R8W, FM
T11S, R7W, FM
T11S, R6W, FM
Nenana River
Jumbo Dome Road
Existing Coal Handling Facility
Gold Run Pass Road
T12S, R8W, FM
T12S, R7W, FM
T12S, R6W, FM
Healy
Healy Spur Road
GVEA Power Plant
Otto Lake
Parks Highway
T13S, R8W, FM
T13S, R7W, FM
POA-2007-773 Marguerite Creek
VICINITY MAP
APPLICANT: USIBELLI COAL MINE, INC.
FILE NO. TBD
WATERWAY: MARGUERITE CREEK
PROJECT: JUMBO DOME MINE
BLOCKS 2 THROUGH 5
LOCATION: SEC.33 & 34, T.10S R.6W, FM
SEC 3 & 4, T.11S R.6W, FM
LAT: 63.993648N LONG: 148.734996W
SHEET 1 OF 10
DATE: APRIL 2016
0 1 2 3 Miles
N


MAP LEGEND
Jumbo Dome Coal Lease Boundary
Jumbo Dome Mine Boundary
Perennial Stream
Intermittent Stream
Block 1*
Blocks 2 through 5 - this permit
Impacted Wetlands
Other Mine Facilities
Out-of-Pit Spoil Pile
Temporary Channels and/or Clean Water Diversion Ditches
Sediment Control Pond
* Permitted under NWP POA-2007-773, Marguerite Creek
Section 28
Section 27
SHEET 4 EXTENT
Emma Creek
Section 34
Section 33
Block 5
191.8 acres
T10S, R6W, FM
T11S, R6W, FM
Block 4
120.7 acres
Block 3
159.9 acres
Block 2
142.0 acres
Section 4
Section 5
Section 3
SHEET 3 EXTENT
Block 1
497.2 acres
Marguerite Creek
Section 8
POA-2007-773 Marguerite Creek
Section 9
Out-of-Pit Spoil Pile
Jumbo Dome Access Road
PROJECT LOCATION MAP
APPLICANT: USIBELLI COAL MINE, INC.
FILE NO. TBD
WATERWAY: MARGUERITE CREEK
PROJECT: JUMBO DOME MINE
BLOCKS 2 THROUGH 5
LOCATION: SEC.33 & 34, T.10S R.6W, FM
SEC 3 & 4, T.11S R.6W, FM
LAT: 63.993648N LONG: 148.734996W
SHEET 2 OF 10
DATE: APRIL 2016
0 850 1,700 2,550 Feet
N


Marguerite Creek
POND JD-3
FIRST
TERM
JD-3
POND JD-2
CDW-4
Block 4
120.7 acres
Block 3
159.9 acres
Block 2
142.1 acres
MAP LEGEND
Jumbo Dome Mine Boundary
Perennial Stream
Intermittent Stream
Block 1*
Blocks 2 through 5 - this permit
Impacted Wetlands
Other Mine Facilities
Sediment Control Pond
Temporary Channels and/or Clean Water Diversion Ditches
* Permitted under NWP POA-2007-773, Marguerite Cr
PLAN VIEW DETAIL 1
APPLICANT: USIBELLI COAL MINE, INC.
FILE NO. TBD
WATERWAY: MARGUERITE CREEK
PROJECT: JUMBO DOME MINE
BLOCKS 2 THROUGH 5
LOCATION: SEC.33 & 34, T.10S R.6W, FM
SEC 3 & 4, T.11S R.6W, FM
LAT: 63.993648N LONG: 148.734996W
SHEET 3 OF 10
DATE: APRIL 2016
0 350 700 1,050 Feet
N
POA-2007-773 Marguerite Creek


PLAN VIEW DETAIL 2
APPLICANT: USIBELLI COAL MINE, INC.
FILE NO. TBD
WATERWAY: MARGUERITE CREEK
PROJECT: JUMBO DOME MINE
BLOCKS 2 THROUGH 5
LOCATION: SEC.33 & 34, T.10S R.6W, FM
SEC 3 & 4, T.11S R.6W, FM
LAT: 63.993648N LONG: 148.734996W
SHEET 3 OF 10
DATE: APRIL 2016
0 350 700 1,050 Feet
N
MAP LEGEND
Jumbo Dome Mine Boundary
Perennial Stream
Intermittent Stream
Block 1*
Blocks 2 through 5 - this permit
Mapped Wetlands within Blocks 2 through 5
Other Mine Facilities
Sediment Control Pond
Temporary Channels and/or Clean Water Diversion Ditches
* Permitted under NWP POA-2007-773, Marguerite Creek
POND JD-4
Marguerite Creek
Block 5
191.8 acres
JD-4
POND JD-3 FINAL
POND JD-3
Block 3
159.9 acres
Block 4
120.7 acres
CDW-4
POA-2007-773 Marguerite Creek

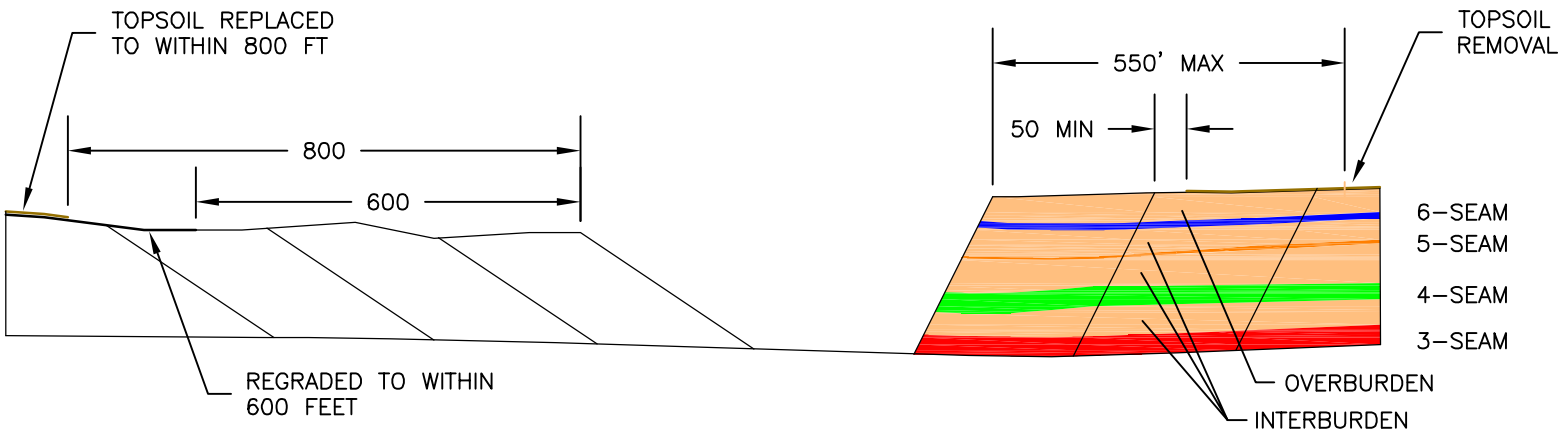




TYPICAL TOPSOIL STOCKPILE CROSS SECTION

APPLICANT: USIBELLI COAL MINE, INC.
FILE NO. TBD
WATERWAY: MARGUERITE CREEK
PROJECT: JUMBO DOME MINE
BLOCKS 2 THROUGH 5
LOCATION: SEC.33 & 34, T.10S R.6W, FM
SEC 3 & 4, T.11S R.6W, FM
LAT: 63.993648N LONG: 148.734996W
SHEET 5 OF 10
DATE: APRIL 2016

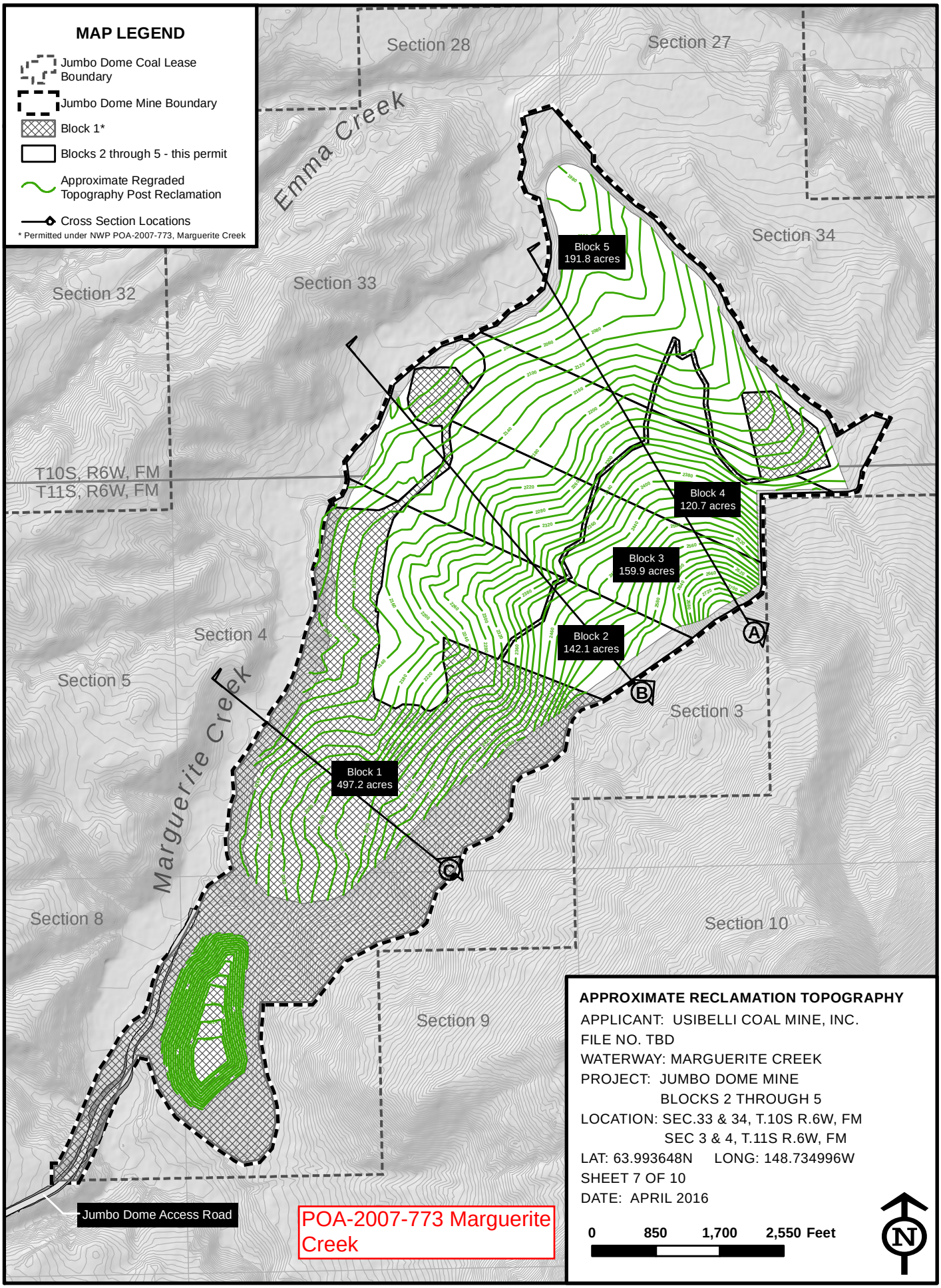
POA-2007-773 Marguerite Creek

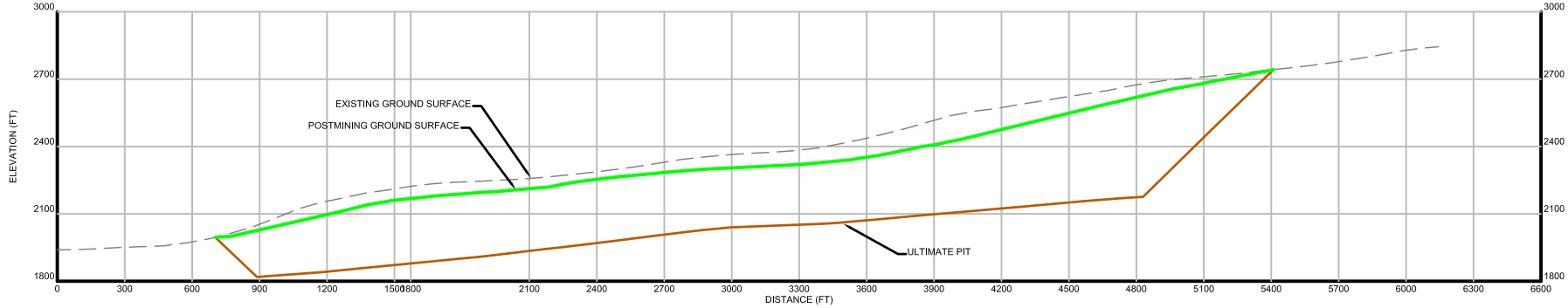


POA-2007-773 Marguerite Creek

TYPICAL CROSS SECTION FOR MINING AND RECLAMATION

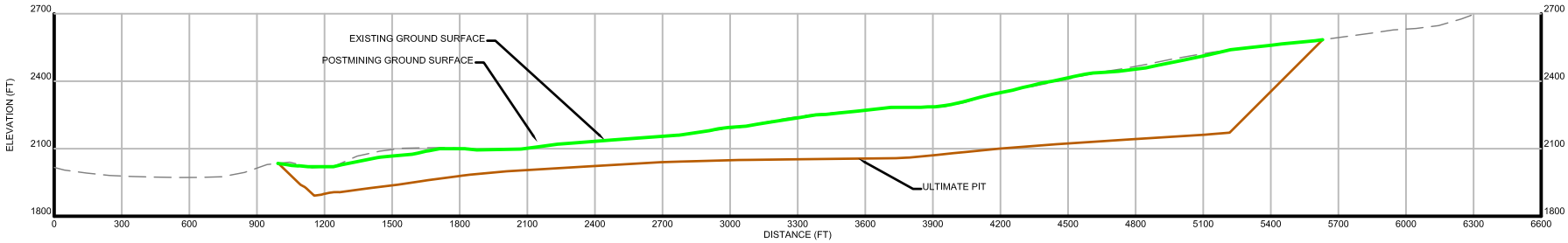
APPLICANT: USIBELLI COAL MINE, INC.
FILE NO. TBD
WATERWAY: MARGUERITE CREEK
PROJECT: JUMBO DOME MINE
BLOCKS 2 THROUGH 5
LOCATION: SEC.33 & 34, T.10S R.6W, FM
SEC 3 & 4, T.11S R.6W, FM
LAT: 63.993648N LONG: 148.734996W
SHEET 6 OF 10
DATE: APRIL 2016


MAP LEGEND
Jumbo Dome Coal Lease Boundary
Jumbo Dome Mine Boundary
Block 1*
Blocks 2 through 5 - this permit
Approximate Regraded Topography Post Reclamation
Cross Section Locations
* Permitted under NWP POA-2007-773, Marguerite Creek
Section 28
Section 27
Emma Creek
Section 34
Section 33
Section 32
Block 5
191.8 acres
T10S, R6W, FM
T11S, R6W, FM
Block 4
120.7 acres
Block 3
159.9 acres
Block 2
142.1 acres
Section 4
Section 5
Marguerite Creek
Section 3
Block 1
497.2 acres
Section 8
Section 10
Section 9
Jumbo Dome Access Road
POA-2007-773 Marguerite Creek
APPROXIMATE RECLAMATION TOPOGRAPHY
APPLICANT: USIBELLI COAL MINE, INC.
FILE NO. TBD
WATERWAY: MARGUERITE CREEK
PROJECT: JUMBO DOME MINE
BLOCKS 2 THROUGH 5
LOCATION: SEC.33 & 34, T.10S R.6W, FM
SEC 3 & 4, T.11S R.6W, FM
LAT: 63.993648N LONG: 148.734996W
SHEET 7 OF 10
DATE: APRIL 2016
0 850 1,700 2,550 Feet
N



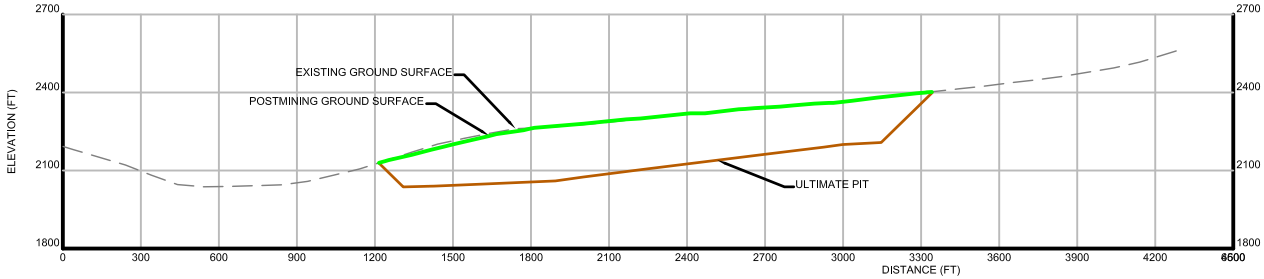
A POST MINING CROSS SECTION

SCALE 300' 0 300' 600'



B POST MINING CROSS SECTION

SCALE 300' 0 300' 600'



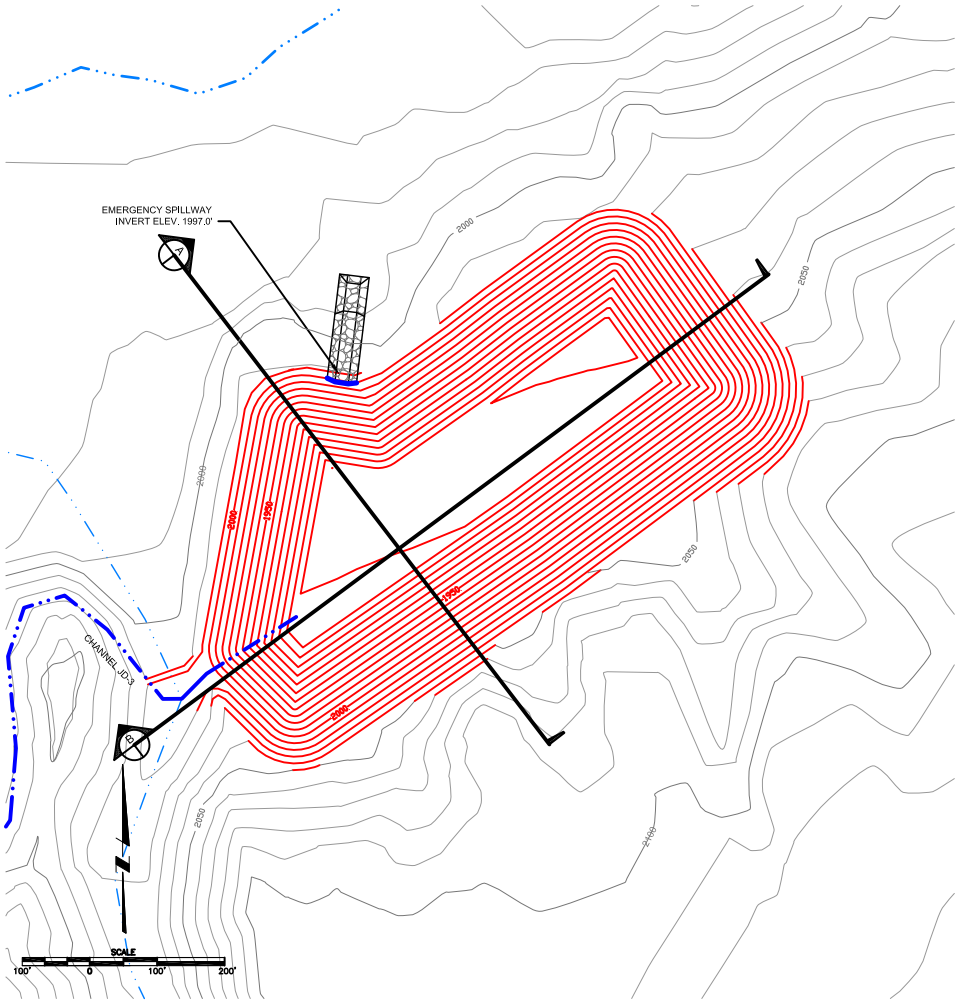
C POST MINING CROSS SECTION

SCALE 300' 0 300' 600'

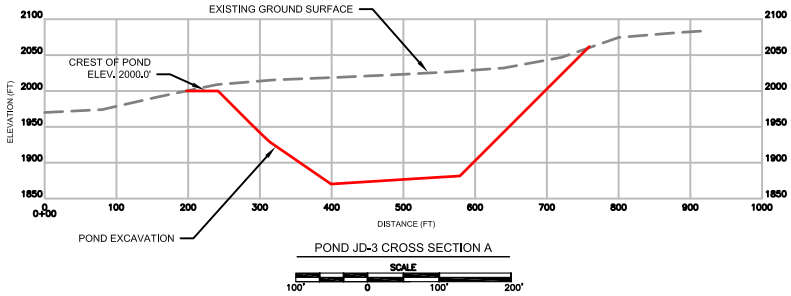
POA-2007-773 Marguerite Creek

APPROXIMATE RECLAMATION TOPOLOGY - CROSS SECTIONS

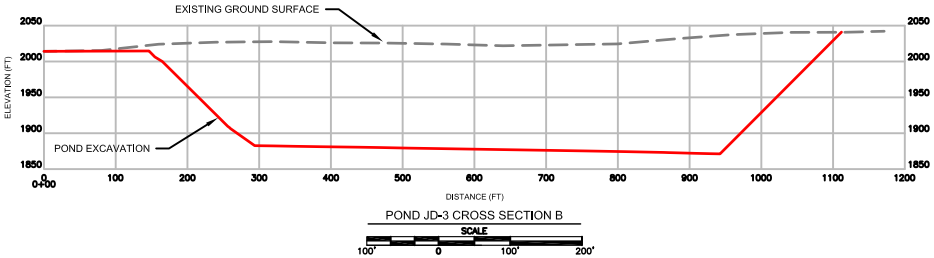
APPLICANT: USIBELLI COAL MINE, INC.
FILE NO. TBD
WATERWAY: MARGUERITE CREEK
PROJECT: JUMBO DOME MINE
BLOCKS 2 THROUGH 5
LOCATION: SEC.33 & 34, T.10S R.6W, FM
SEC 3 & 4, T.11S R.6W, FM
LAT: 63.993648N LONG: 148.734996W
SHEET 8 OF 10
DATE: APRIL 2016



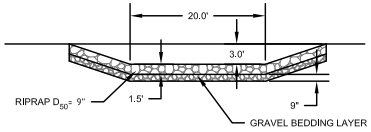
PLAN VIEW POND JD-3



POND JD-3 CROSS SECTION A



POND JD-3 CROSS SECTION B

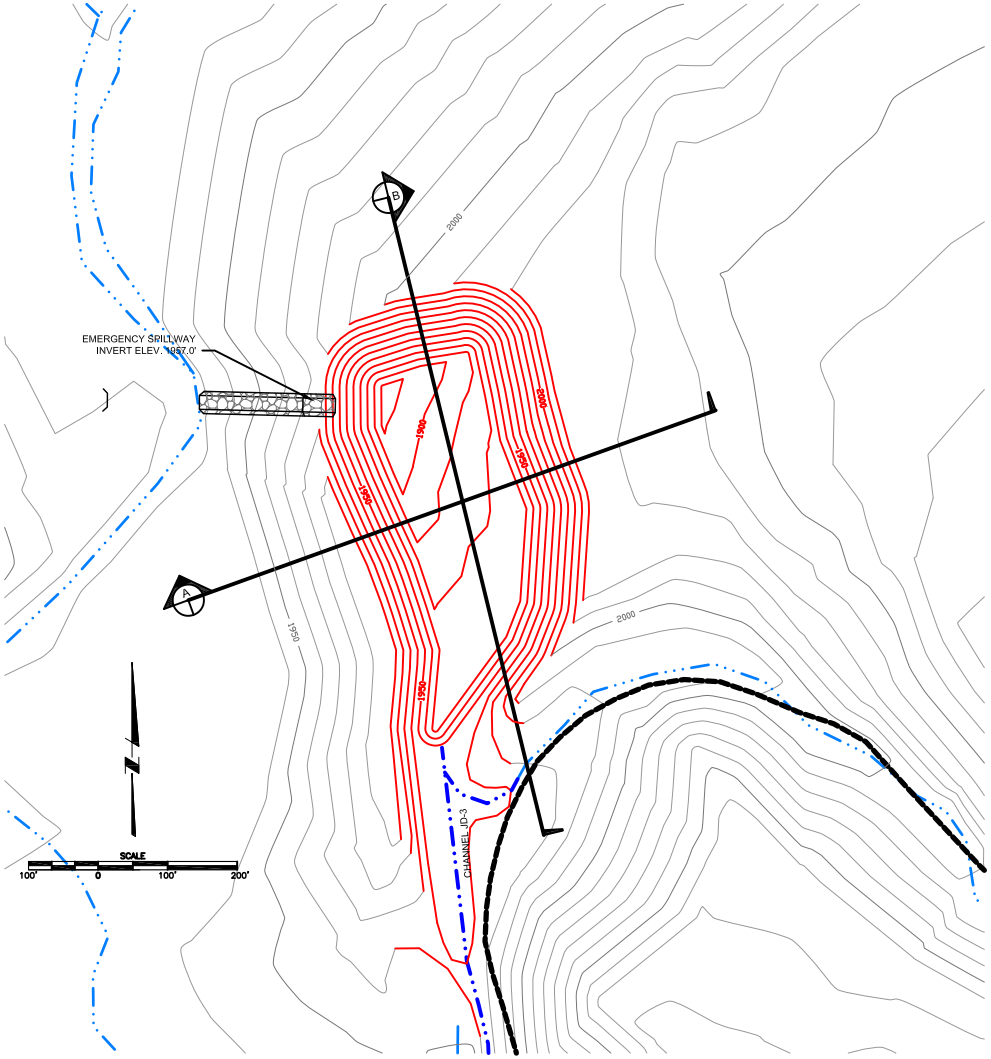


EMERGENCY SPILLWAY

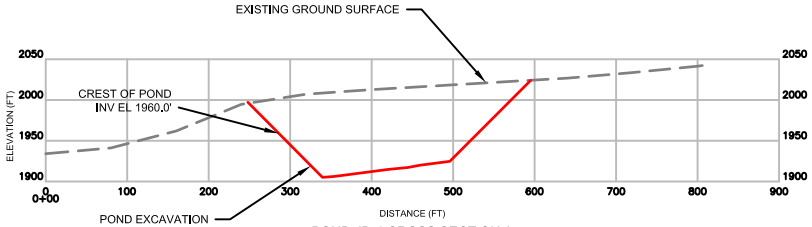
SEDIMENT POND JD-3 FINAL PLAN AND CROSS SECTIONS

APPLICANT: USIBELLI COAL MINE, INC.
FILE NO. TBD
WATERWAY: MARGUERITE CREEK
PROJECT: JUMBO DOME MINE
BLOCKS 2 THROUGH 5
LOCATION: SEC.33 & 34, T.10S R.6W, FM
SEC 3 & 4, T.11S R.6W, FM
LAT: 63.993648N LONG: 148.734996W
SHEET 9 OF 10
DATE: APRIL 2016

POA-2007-773 Marguerite Creek

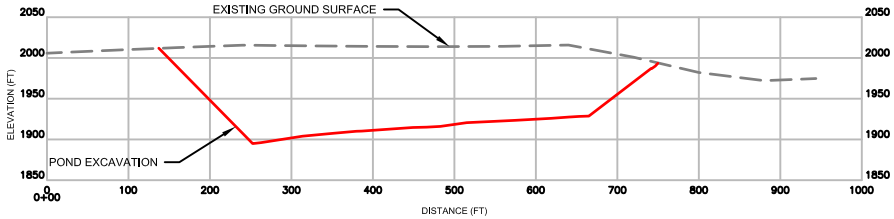


PLAN VIEW POND JD-4



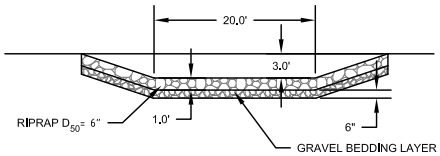
POND JD-4 CROSS SECTION A

SCALE
100' 0 100' 200'



POND JD-4 CROSS SECTION B

SCALE
100' 0 100' 200'



EMERGENCY SPILLWAY

SEDIMENT POND JD-4 FINAL PLAN AND CROSS SECTIONS

APPLICANT: USIBELLI COAL MINE, INC.
FILE NO. TBD
WATERWAY: MARGUERITE CREEK
PROJECT: JUMBO DOME MINE
BLOCKS 2 THROUGH 5
LOCATION: SEC.33 & 34, T.10S R.6W, FM
SEC 3 & 4, T.11S R.6W, FM
LAT: 63.993648N LONG: 148.734996W
SHEET 10 OF 10
DATE: APRIL 2016

N

POA-2007-773 Marguerite Creek