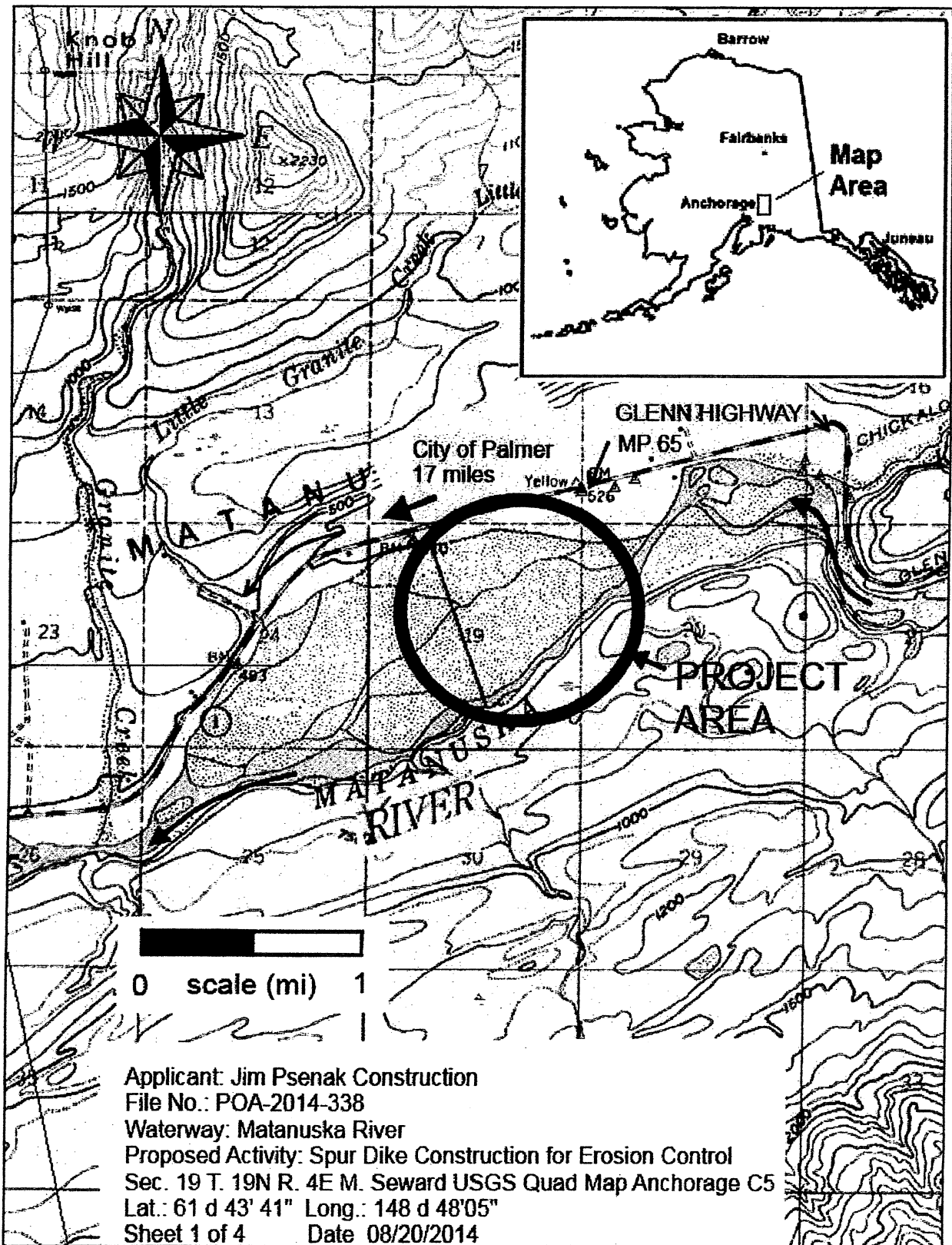




VICINITY MAP

POA-2014-338, Matanuska River
 Sheet: 1 of 5, Dated: 08/20/2014

Project Located in Matanuska-Susitna Borough, AK. Directions to Site: Drive East on Glenn Highway from Palmer 17 miles to MP 65.

Scale: 0 300 ft

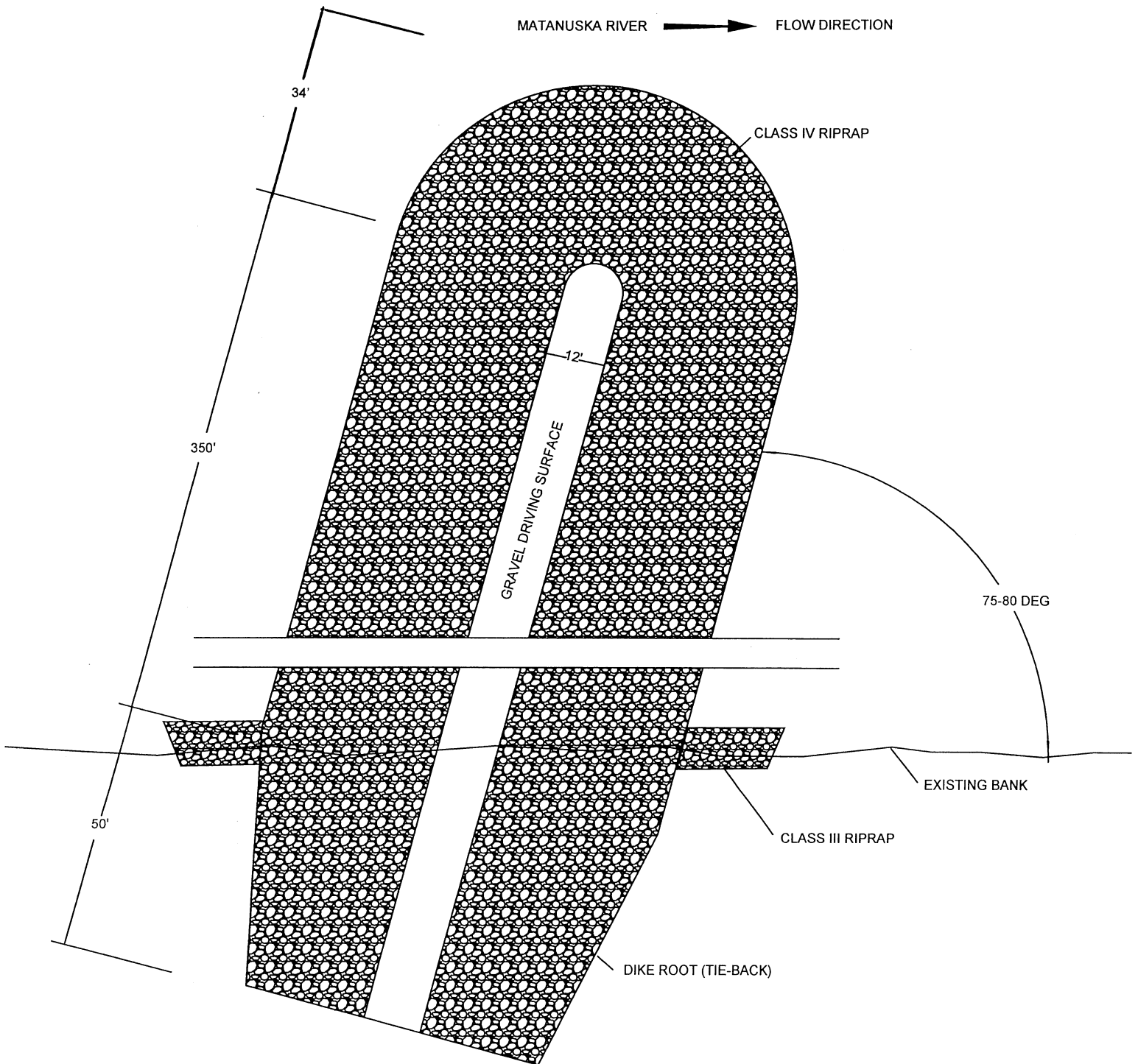
QUANTITIES ESTIMATE (Total)		(Below OHW)
SPUR DIKE		
Riprap - Class III	2000 CY	Assume 80%
Filter Rock	700 CY	Below OHW
Gravel Fill	4400 CY	
DIVERSION CHANNEL EXCAVATION		
Dredge Gravel	129400 CY	129400 CY
EXISTING CHANNEL FILL		
Place Gravel Fill	125000 CY	125000 CY

Applicant: Jim Psenak Construction
 File No.: POA-2014-338
 Waterway: Matanuska River
 Proposed Activity: Spur Dike Construction for Erosion Control
 Sec.19 T.19N R.4E M.Seward USGS Quad Map
 Anchorage C-5
 Lat.: 61 d 43' 41" Long.: 148 d 48' 05"
 Sheet 2 of 4 (rev1) Date 09/05/2014

	QUANTITIES ESTIMATE (Total)	(Below OHW)
SPUR DIKE		
Riprap - Class III	2000 CY	Assume 80%
Filter Rock	700 CY	Below OHW
Gravel Fill	4400 CY	
DIVERSION CHANNEL EXCAVATION		
Dredge Gravel	129400 CY	129400 CY
EXISTING CHANNEL FILL		
Place Gravel Fill	125000 CY	125000 CY

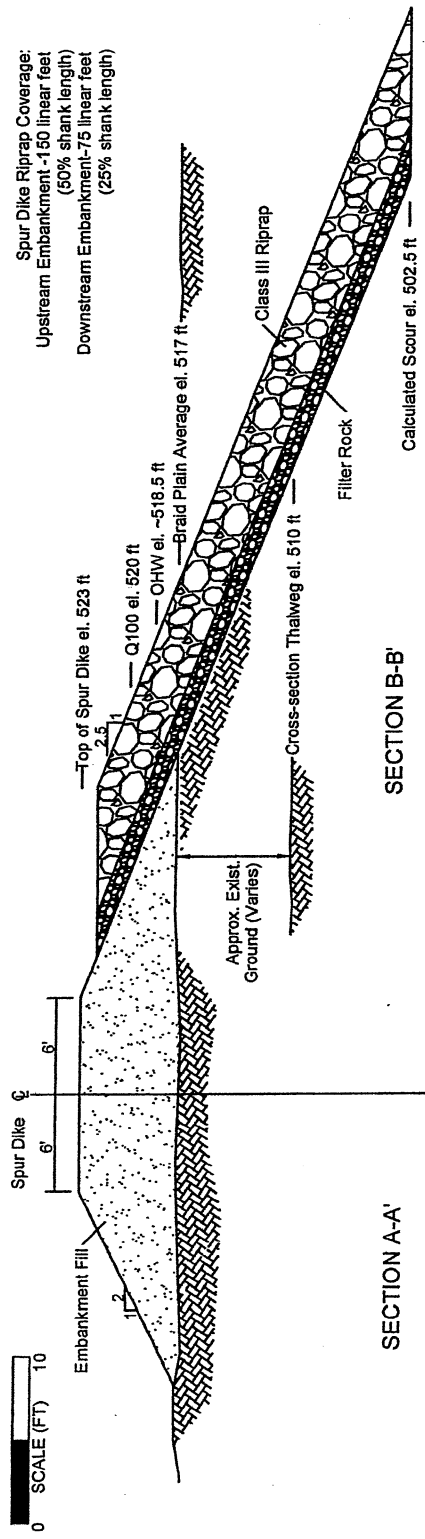
Applicant: Jim Peenak Construction
 File No.: POA-2014-338
 Waterway: Matanuska River
 Proposed Activity: Spur Dike Construction for Erosion Control
 Sec 19 T.19N R.4E M.Seward USGS Quad Map
 Anchorage C-5
 Lat.: 61° 43' 41" Long.: 148° 48' 05"
 Sheet 2 of 4 (rev1) Date 09/05/2014

**POA-2014-338, Matanuska River
Sheet: 2 of 5, Dated: 08/20/2014**

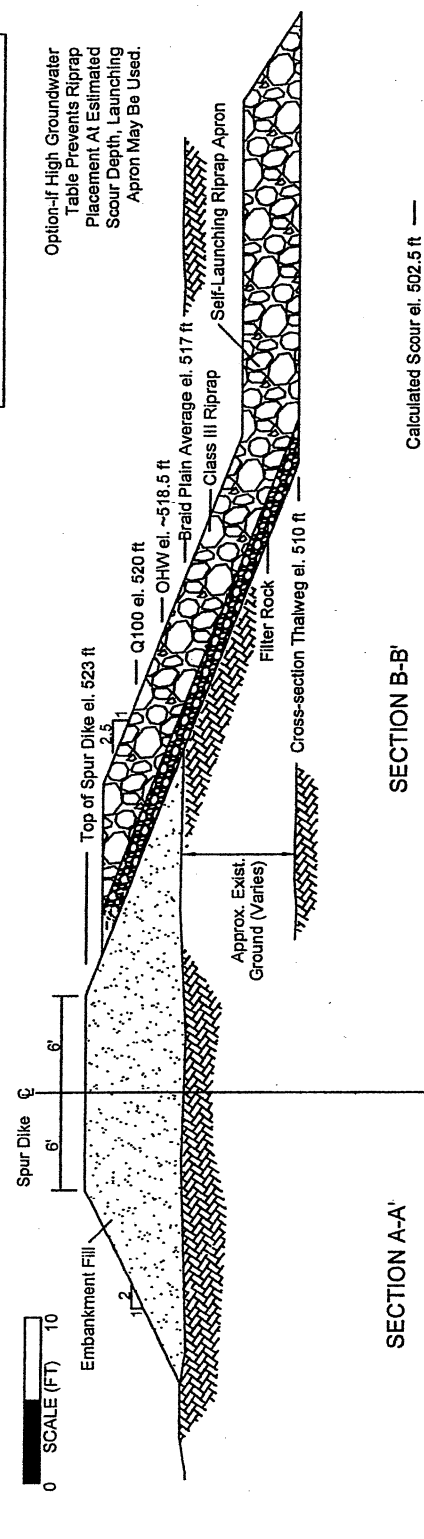


PLAN VIEW - PRELIMINARY DRAFT

Spur Dike-Section View

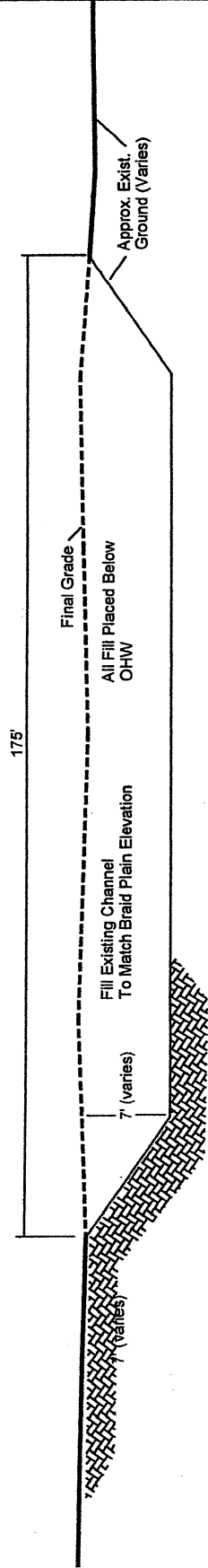


Percent Smaller By Size	Rock Size (ft)	Rock Weight (lbs)
D100	2.85	2000
D50	2.25	1000
D10	0.95	500



Applicant: Jim Psenak Construction
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 Lat.: 61 d 43' 41" Long.: 148 d 48' 05"
 Sheet 3 of 4 Date 08/20/2014

Fill Existing Channel and New Diversion Channel-Section View

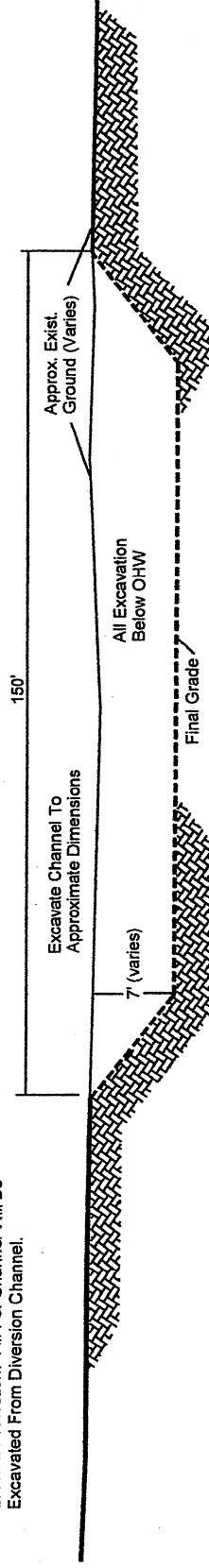


SECTION D-D' - FILL EXISTING CHANNEL

Note: Locations of New Diversion Channel and Existing Channel to be Filled Are Approximate, and Will Be Based On Field Conditions.

Diversion Channel Will Be Used to Provide Gravel Embankment Fill For Spur Dike Construction and Direct Surface Flow Away From Project Area During Construction. Excavated Channel Will Be Up To 2000 feet in length.

Existing Channel Adjacent to Bank Will Be Filled For Erosion Protection. Fill For Channel Will Be Excavated From Diversion Channel.



SECTION C-C' - DIVERSION CHANNEL EXCAVATION

Applicant: Jim Psenak Construction
 File No.: POA-2014-338
 Waterway: Matanuska River
 Proposed activity: Spur Dike Construction for Erosion Control
 Sec. 19 T. 19N R. 4E M. Seward USGS Quad Map Anchorage C-5
 Lat.: 61 d 43' 41" Long.: 148 d 48' 05"
 Sheet 4 of 4 Date 08/20/2014

