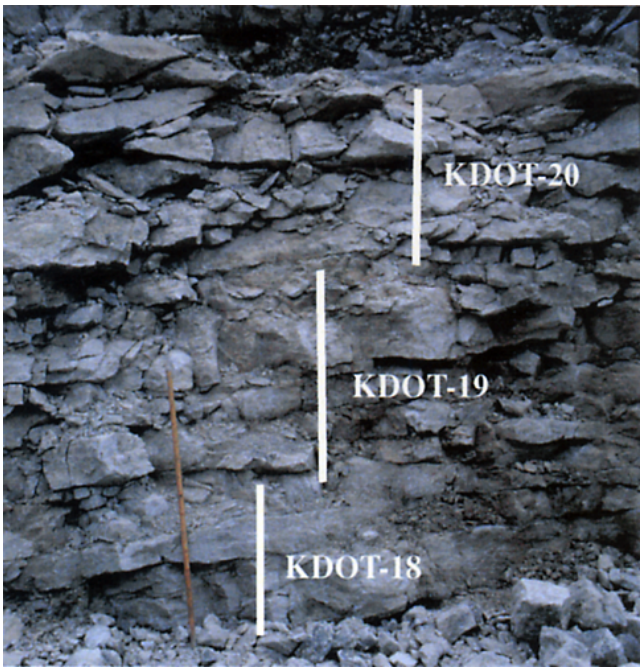
(A)



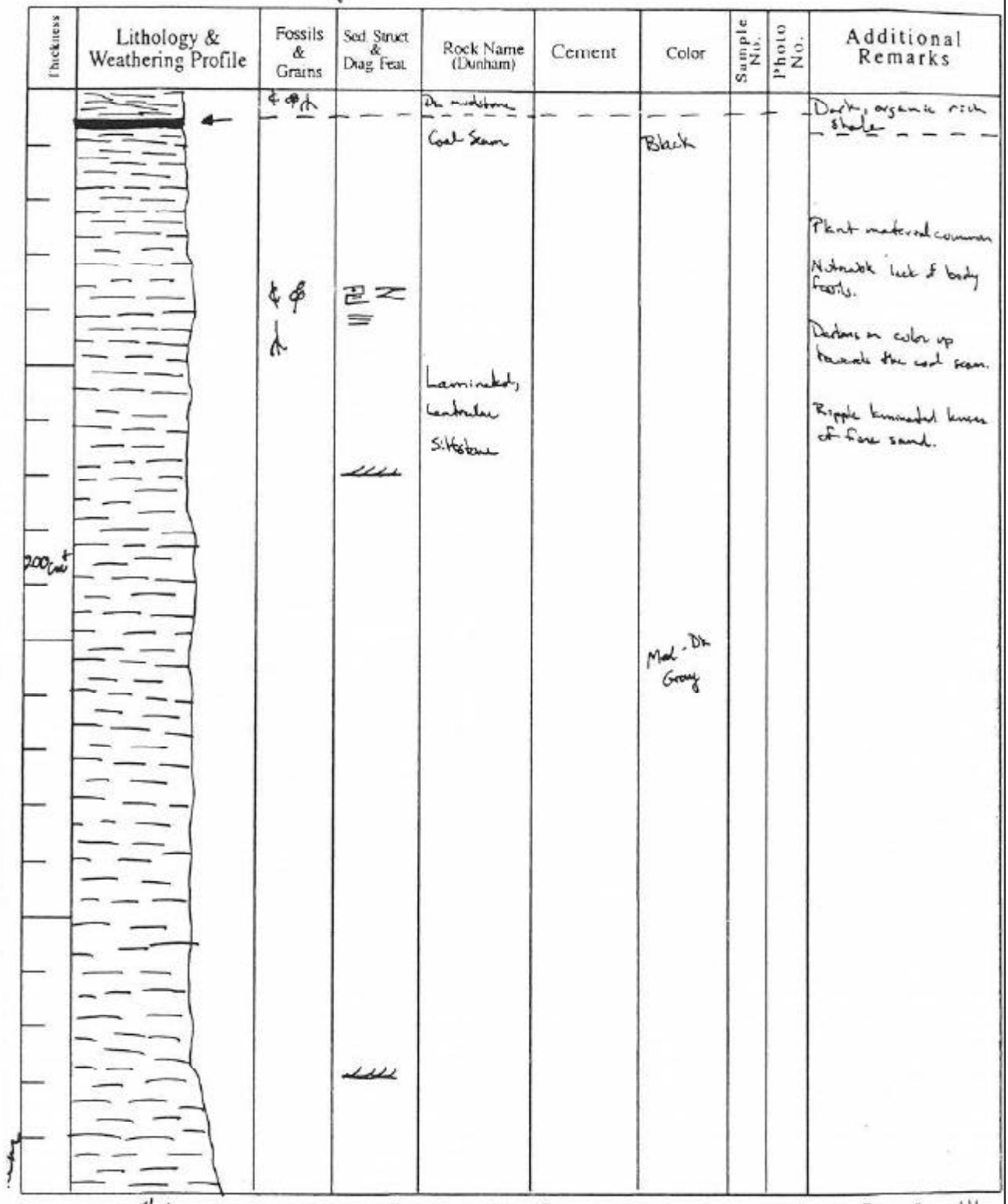
(B)

Figure A1.6. Outcrop photos of quarry exposure in the Olathe Aggregate Quarry. Section was measured in the southeast corner of the quarry.

(A) Thick outcrop of siltstone facies makes up the Island Creek, lower Farley and middle Farley equivalent units here. This is the Lane Shale located in the south of the field area.

(B) Upper Farley outcrop with locations from which aggregate samples were taken marked.

Rock Unit(s): Eckert Creek Formation



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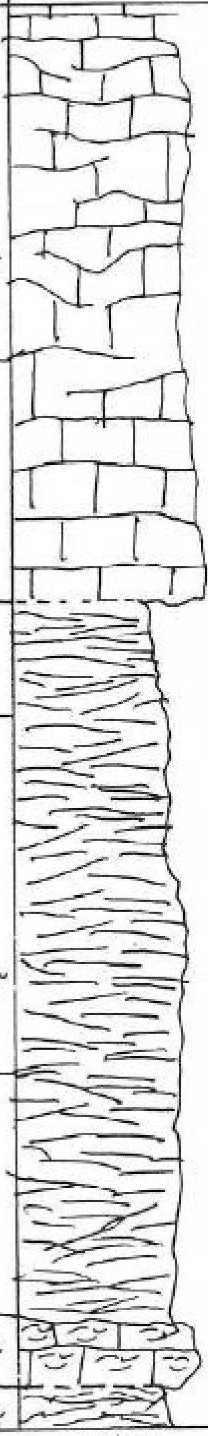
1:10cm

Rock Unit(s): Exline Creek ... Farley LS

Thickness	Lithology & Weathering Profile	Fossils & Grains	Sed. Struct & Diag Feat	Rock Name (Dunham)	Cement	Color	Sample No.	Photo No.	Additional Remarks
10cm+									
			A.B.	Phyl. Algal Wackestone	Spar (blocky) fills phylloid algae rather fossils (~10-15%)		OA-4		* Marker Bed Clay ab. @ base but less ab. upward (~30% has diffuse...)
50cm				Osagean Wackestone			OA-3		
				Sk. Packstone					
				Fossilif. S. Mudstone		Dk Gray	OA-2		Ab. plant material Fossil fragments
100cm									
10cm				Compacted skeletal Packstone	No coarse cement		OA-1		Compacted shale debris + shale intraclasts; shale ... Bke into shale; very shaly
60cm+									

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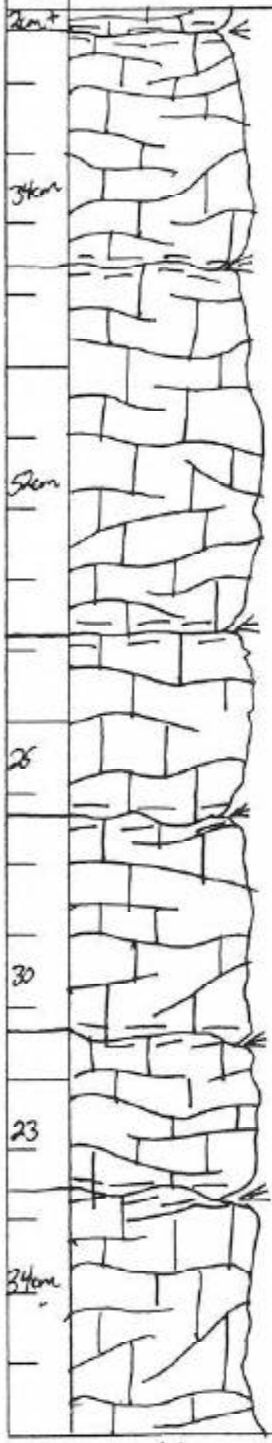
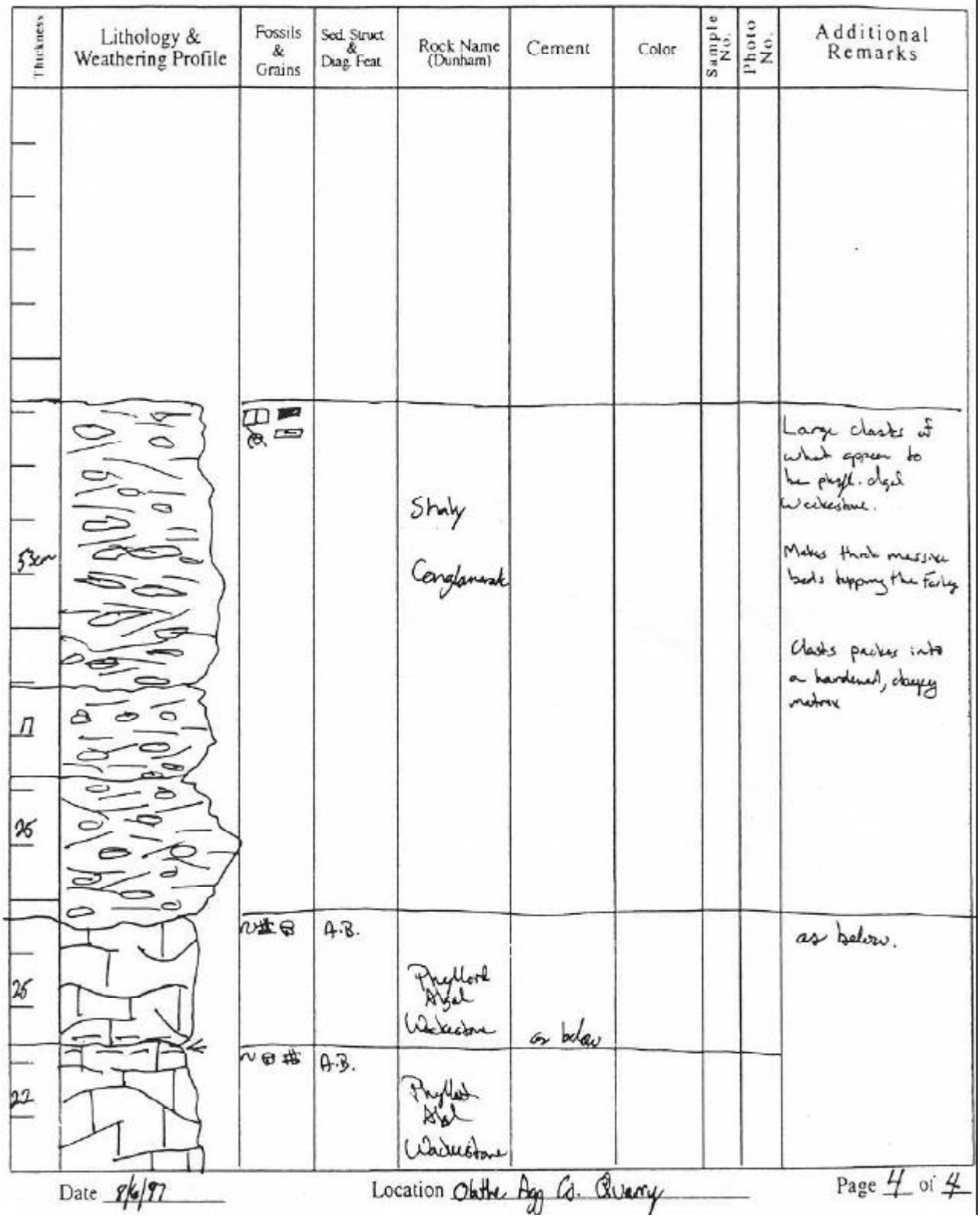
Rock Unit(s): Fay. -S

Thickness	Lithology & Weathering Profile	Fossils & Grains	Sed. Struct & Diag. Feat	Rock Name (Dunham)	Cement	Color	Sample No.	Photo No.	Additional Remarks
2cm+									
34cm		∿ # ⊖	A.B.	Phylloid Algal Wackestone					Beds are separated by thin, concentrated shale seams that diffuse above and below ~ 9% of clay per bed = 5-10%
54cm		∿ # ⊖	A.B.	Phylloid Algal Wackestone	Spar filled fractures, fossils & molds (~25-30%)		OA-7		Spars slightly coarser but not overly coarse. In all cases no det. size greater than 1-2 mm were observed
26		∿ # ⊖	A.B.	Phylloid Algal Wackestone					
30		∿ ⊖ #	A.B.	Phylloid Algal Wackestone			OA-6		
23		∿ ⊖ #	A.B.	Phylloid Algal Wackestone			OA-5		
34cm		∿ # ⊖	A.B.	Phylloid Algal Wackestone					

Date 8/6/97 Location Okatie Aggs Co Quarry

Rock Unit(s): Finley-Sly Formation



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Locality RQ: Quarry section. Measured in an active quarry operated by Reno Construction Company. Quarry is located on 161st Street and Switzer Road. Section was measured in the northeast corner of the quarry just south of 161st Street. Measured section includes a complete Farley Limestone and Island Creek Shale section. The Argentine Limestone is well exposed in this quarry as well. The Bonner Springs Shale is absent here.