



Sierra-Yoyo-Desan Road Gravel Investigation Area No. 8 Test Pit No. 191

Area Sierra-Yoyo-Desan Road	Excavator Type Cat 322 B		Location Notes 43 m @ 40 degrees from TP-189
Project KX04335	Contractor Kledo Construction		
GPS Location	Date 03 March 2003		
Northing 6571912	Weather -17 C, Snow		
Easting 0568784	Logged by BM	Test Pit Location ribbon	
Elevation (m) 540			

Soil Type				Estimated Gradation					Lab. Gradation			Soil Properties				Sampling Information				
Depth (m)		General Soil Type		Sums to 100%			Additional Oversize (%)	Max. (mm)	Sums to 100%			Density / Consistency	Plasticity	Colour	Moisture	#	Depth (m)		Type (Check one)	
From	To	Description	USC*	Fines	Sand	Gravel			Fines	Sand	Gravel						From	To	Bucket	Bag
0	0.25	TOPSOIL	OL																	
0.25	0.75	SAND, silty	SM																	
0.75	1.0	SAND	SP																	
1.0	4.5	SAND	SP	5	94	1														

Water Encountered: No	Depth:	Type:	Notes
------------------------------	---------------	--------------	--------------

Remarks _____

*Unified soils classification system symbol



Sierra-Yoyo-Desan Road Gravel Investigation Area No. 8 Test Pit No. 192

Area Sierra-Yoyo-Desan Road	Excavator Type Cat 322 B		Location Notes 30 m @ 66 degrees from TP-191
Project KX04335	Contractor Kledo Construction		
GPS Location			
Date 03 March 2003	Weather -17 C, Snow		
Northing 6571934	Logged by BM	Test Pit Location ribbon	
Easting 0568813			
Elevation (m) 589			

Soil Type				Estimated Gradation					Lab. Gradation			Soil Properties				Sampling Information				
Depth (m)		General Soil Type		Sums to 100%			Additional Oversize (%)	Max. (mm)	Sums to 100%			Density / Consistency	Plasticity	Colour	Moisture	#	Depth (m)		Type (Check one)	
From	To	Description	USC*	Fines	Sand	Gravel			Fines	Sand	Gravel						From	To	Bucket	Bag
0	0.25	TOPSOIL	OL																	
0.25	1.0	SILT	ML																	
1.0	4.5	SAND, some gravel	SP	5	80	15														


Water Encountered: No	Depth:	Type:	Notes
------------------------------	---------------	--------------	--------------

Remarks _____

*Unified soils classification system symbol



Sierra-Yoyo-Desan Road Gravel Investigation Area No. 8 Test Pit No. 193

Area Sierra-Yoyo-Desan Road		Excavator Type Cat 322 B			Location Notes 35 m @ 40 degrees from TP-192	
Project KX04335		Contractor Kledo Construction				
GPS Location		Date 03 March 2003			Test Pit Location ribbon	
Northing 6571952		Weather -17 C, Snow				
Easting 0568847		Logged by BM				
Elevation (m) 597						

Soil Type				Estimated Gradation					Lab. Gradation			Soil Properties				Sampling Information				
Depth (m)		General Soil Type		Sums to 100%			Additional Oversize (%)	Max. (mm)	Sums to 100%			Density / Consistency	Plasticity	Colour	Moisture	#	Depth (m)		Type (Check one)	
From	To	Description	USC*	Fines	Sand	Gravel			Fines	Sand	Gravel						From	To	Bucket	Bag
0	0.25	TOPSOIL	OL																	
0.25	0.75	SAND, silty	SM																	
0.75	4.5	SAND, trace gravel	SP	5	85	10														


Water Encountered: No	Depth:	Type:	Notes
------------------------------	---------------	--------------	--------------

Remarks

*Unified soils classification system symbol



Sierra-Yoyo-Desan Road Gravel Investigation Area No. 8 Test Pit No. 194

Area Sierra-Yoyo-Desan Road	Excavator Type Cat 322 B		Location Notes 35 m @ 60 degrees from TP-193
Project KX04335	Contractor Kleido Construction		
GPS Location	Date 03 March 2003		
Northing 6571991	Weather -17 C, Snow		
Easting 0568864	Logged by BM	Test Pit Location ribbon	
Elevation (m) 599			

Soil Type				Estimated Gradation					Lab. Gradation			Soil Properties				Sampling Information				
Depth (m)		General Soil Type		Sums to 100%			Additional Oversize (%)	Max. (mm)	Sums to 100%			Density / Consistency	Plasticity	Colour	Moisture	#	Depth (m)		Type (Check one)	
From	To	Description	USC*	Fines	Sand	Gravel			Fines	Sand	Gravel						From	To	Bucket	Bag
0	0.25	TOPSOIL	OL																	
0.25	1.0	SILT	ML																	
1.0	4.0	SAND, trace silt	SP	5	95															

Water Encountered: No	Depth:	Type:	Notes
------------------------------	---------------	--------------	--------------

Remarks

*Unified soils classification system symbol



Sierra-Yoyo-Desan Road Gravel Investigation Area No. 8 Test Pit No. 195

Area Sierra-Yoyo-Desan Road		Excavator Type Cat 322 B			Location Notes 105 m @ 68 degrees from TP-194	
Project KX04335		Contractor Kledo Construction				
GPS Location		Date 03 March 2003			Test Pit Location ribbon	
Northing 6572031		Weather -17 C, Snow				
Easting 0569001		Logged by BM				
Elevation (m) 594						

Soil Type				Estimated Gradation					Lab. Gradation			Soil Properties				Sampling Information				
Depth (m)		General Soil Type		Sums to 100%			Additional Oversize (%)	Max. (mm)	Sums to 100%			Density / Consistency	Plasticity	Colour	Moisture	#	Depth (m)		Type (Check one)	
From	To	Description	USC*	Fines	Sand	Gravel			Fines	Sand	Gravel						From	To	Bucket	Bag
0	0.25	TOPSOIL	OL																	
0.25	1.25	SILT	ML																	
1.25	4.0	SAND, trace silt	SP	5	92	3														


Water Encountered: No	Depth:	Type:	Notes
------------------------------	---------------	--------------	--------------

Remarks _____

*Unified soils classification system symbol



Sierra-Yoyo-Desan Road Gravel Investigation Area No. 8 Test Pit No. 196

Area Sierra-Yoyo-Desan Road	Excavator Type Cat 322 B		Location Notes 75 m @ 122 degrees from TP-195
Project KX04335	Contractor Kledo Construction		
GPS Location			
Date 03 March 2003	Weather -17 C, Snow		
Northing 6572000	Logged by BM	Test Pit Location	
Easting 0569073		ribbon	
Elevation (m) 596			

Soil Type				Estimated Gradation					Lab. Gradation			Soil Properties				Sampling Information				
Depth (m)		General Soil Type		Sums to 100%			Additional Oversize (%)	Max. (mm)	Sums to 100%			Density / Consistency	Plasticity	Colour	Moisture	#	Depth (m)		Type (Check one)	
From	To	Description	USC*	Fines	Sand	Gravel			Fines	Sand	Gravel						From	To	Bucket	Bag
0	0.25	TOPSOIL	OL																	
0.25	0.5	SILT	ML																	
0.5	4.0	SAND, trace silt	SP	5	92	3														

Water Encountered: No	Depth:	Type:	Notes
------------------------------	---------------	--------------	--------------

Remarks

*Unified soils classification system symbol



Sierra-Yoyo-Desan Road Gravel Investigation Area No. 8 Test Pit No. 197

Area Sierra-Yoyo-Desan Road	Excavator Type Cat 322 B		Location Notes
Project KX04335	Contractor Kledo Construction		40 m @ 180 degrees from TP-195
GPS Location	Date 03 March 2003		Test Pit Location ribbon
Northing 6571968	Weather -17 C, Snow		
Easting 0568988	Logged by BM		
Elevation (m) 591			

Soil Type				Estimated Gradation					Lab. Gradation			Soil Properties				Sampling Information				
Depth (m)		General Soil Type		Sums to 100%			Additional Oversize (%)	Max. (mm)	Sums to 100%			Density / Consistency	Plasticity	Colour	Moisture	#	Depth (m)		Type (Check one)	
From	To	Description	USC*	Fines	Sand	Gravel			Fines	Sand	Gravel						From	To	Bucket	Bag
0	0.25	TOPSOIL	OL																	
0.25	2.25	SAND, trace gravel	SP	5	92	3														
2.25	3.5	SAND, trace silt	SP	5	95															

Water Encountered: No	Depth:	Type:	Notes
------------------------------	---------------	--------------	--------------

Remarks

*Unified soils classification system symbol



Sierra-Yoyo-Desan Road Gravel Investigation Area No. 8 Test Pit No. 198

Area Sierra-Yoyo-Desan Road	Excavator Type Cat 322 B		Location Notes
Project KX04335	Contractor Kledo Construction		115 m @ 240 degrees from TP-197
GPS Location			Test Pit Location ribbon
Northing 6571907	Date 03 March 2003		
Easting 0568885	Weather -17 C, Snow		
Elevation (m) 592	Logged by BM		

Soil Type				Estimated Gradation					Lab. Gradation			Soil Properties				Sampling Information				
Depth (m)		General Soil Type		Sums to 100%			Additional Oversize (%)	Max. (mm)	Sums to 100%			Density / Consistency	Plasticity	Colour	Moisture	#	Depth (m)		Type (Check one)	
From	To	Description	USC*	Fines	Sand	Gravel			Fines	Sand	Gravel						From	To	Bucket	Bag
0	0.25	TOPSOIL	OL																	
0.25	0.5	SAND, silty	SM																	
0.5	1.0	GRAVEL AND SAND	SP-SM	8	46	46														
1.0	4.0	SAND	SP	5	92	3														

Water Encountered: No	Depth:	Type:	Notes
------------------------------	---------------	--------------	--------------

Remarks

*Unified soils classification system symbol



Sierra-Yoyo-Desan Road Gravel Investigation Area No. 8 Test Pit No. 199

Area Sierra-Yoyo-Desan Road		Excavator Type Cat 322 B			Location Notes 135 m @ 147 degrees from TP-192	
Project KX04335		Contractor Kledo Construction				
GPS Location		Date 03 March 2003			Test Pit Location ribbon	
Northing 6571851		Weather -17 C, Snow				
Easting 0568884		Logged by BM				
Elevation (m) 589						

Soil Type				Estimated Gradation					Lab. Gradation			Soil Properties				Sampling Information				
Depth (m)		General Soil Type		Sums to 100%			Additional Oversize (%)	Max. (mm)	Sums to 100%			Density / Consistency	Plasticity	Colour	Moisture	#	Depth (m)		Type (Check one)	
From	To	Description	USC*	Fines	Sand	Gravel			Fines	Sand	Gravel						From	To	Bucket	Bag
0	0.25	TOPSOIL	OL																	
0.25	1.0	SAND, silty	SM																	
1.0	4.0	SAND	SP	5	90	5														

Water Encountered: No	Depth:	Type:	Notes
------------------------------	---------------	--------------	--------------

Remarks _____

*Unified soils classification system symbol



Sierra-Yoyo-Desan Road Gravel Investigation Area No. 8 Test Pit No. 200

Area Sierra-Yoyo-Desan Road	Excavator Type Cat 322 B		Location Notes
Project KX04335	Contractor Kledo Construction		95 m @ 159 degrees from TP-190
GPS Location	Date 03 March 2003		Test Pit Location ribbon
Northing 6571752	Weather -17 C, Snow		
Easting 0568826	Logged by BM		
Elevation (m) 594			

Soil Type				Estimated Gradation					Lab. Gradation			Soil Properties				Sampling Information				
Depth (m)		General Soil Type		Sums to 100%			Additional Oversize (%)	Max. (mm)	Sums to 100%			Density / Consistency	Plasticity	Colour	Moisture	#	Depth (m)		Type (Check one)	
From	To	Description	USC*	Fines	Sand	Gravel			Fines	Sand	Gravel						From	To	Bucket	Bag
0	0.25	TOPSOIL	OL																	
0.25	1.0	SAND, silty	SM																	
1.0	3.5	GRAVEL AND SAND	GP	8	32	60	8	200	4	42	54				1	1.0	3.5		x	
3.5	5.0	SAND	SP	5	95															


Water Encountered: No	Depth:	Type:	Notes
------------------------------	---------------	--------------	--------------

Remarks

*Unified soils classification system symbol



Sierra-Yoyo-Desan Road Gravel Investigation Area No. 8 Test Pit No. 201

Area Sierra-Yoyo-Desan Road	Excavator Type Cat 322 B		Location Notes
Project KX04335	Contractor Kledo Construction		100 m @ 90 degrees from B (6571732, 0568807)
GPS Location			Test Pit Location ribbon
Northing 6571726	Date 04 March 2003		
Easting 0568924	Weather -20 C		
Elevation (m) 575	Logged by BM		

Soil Type				Estimated Gradation					Lab. Gradation			Soil Properties				Sampling Information				
Depth (m)		General Soil Type		Sums to 100%			Additional Oversize (%)	Max. (mm)	Sums to 100%			Density / Consistency	Plasticity	Colour	Moisture	#	Depth (m)		Type (Check one)	
From	To	Description	USC*	Fines	Sand	Gravel			Fines	Sand	Gravel						From	To	Bucket	Bag
0	0.25	TOPSOIL	OL																	
0.25	0.5	SILT	ML																	
0.5	2.5	SAND	SP	5	90	5														
2.5	4.0	SAND	SP	5	92	3														


Water Encountered: No	Depth:	Type:	Notes
------------------------------	---------------	--------------	--------------

Remarks _____

*Unified soils classification system symbol



Sierra-Yoyo-Desan Road Gravel Investigation Area No. 8 Test Pit No. 202

Area Sierra-Yoyo-Desan Road	Excavator Type Cat 322 B		Location Notes
Project KX04335	Contractor Kledo Construction		
GPS Location	Date 04 March 2003		
Northing 6571817	Weather -20 C		
Easting 0568984	Logged by BM	Test Pit Location	
Elevation (m) 574		ribbon	

Soil Type				Estimated Gradation					Lab. Gradation			Soil Properties				Sampling Information				
Depth (m)		General Soil Type		Sums to 100%			Additional Oversize (%)	Max. (mm)	Sums to 100%			Density / Consistency	Plasticity	Colour	Moisture	#	Depth (m)		Type (Check one)	
From	To	Description	USC*	Fines	Sand	Gravel			Fines	Sand	Gravel						From	To	Bucket	Bag
0	0.25	TOPSOIL	OL																	
0.25	0.75	SILT AND SAND	SM	40	40	20														
0.75	1.25	SAND, trace gravel	SP	5	85	10														
1.25	1.5	SAND AND GRAVEL	SP-SM	6	47	47														
1.5	2.5	SAND, trace gravel	SP	5	85	10														
2.5	4.5	SAND	SP	5	92	3														

Water Encountered: No	Depth:	Type:	Notes
------------------------------	---------------	--------------	--------------

Remarks _____

*Unified soils classification system symbol



Sierra-Yoyo-Desan Road Gravel Investigation Area No. 8 Test Pit No. 203

Area Sierra-Yoyo-Desan Road		Excavator Type Cat 322 B			Location Notes 150 m @ 180 degrees from TP-202	
Project KX04335		Contractor Kledo Construction				
GPS Location		Date 04 March 2003			Test Pit Location ribbon	
Northing 6571662		Weather -20 C				
Easting 0568964		Logged by BM				
Elevation (m) 576						

Soil Type				Estimated Gradation					Lab. Gradation			Soil Properties				Sampling Information				
Depth (m)		General Soil Type		Sums to 100%			Additional Oversize (%)	Max. (mm)	Sums to 100%			Density / Consistency	Plasticity	Colour	Moisture	#	Depth (m)		Type (Check one)	
From	To	Description	USC*	Fines	Sand	Gravel			Fines	Sand	Gravel						From	To	Bucket	Bag
0	0.25	TOPSOIL	OL																	
0.25	1.0	SILT AND SAND	SM	40	40	20														
1.0	1.25	SAND, some gravel	SP-SM	8	72	20														
1.25	3.5	SILT AND CLAY	ML-CL																	

Water Encountered: No	Depth:	Type:	Notes
------------------------------	---------------	--------------	--------------

Remarks _____

*Unified soils classification system symbol



Sierra-Yoyo-Desan Road Gravel Investigation Area No. 8 Test Pit No. 204

Area Sierra-Yoyo-Desan Road	Excavator Type Cat 322 B		Location Notes
Project KX04335	Contractor Kledo Construction		
GPS Location	Date 04 March 2003		
Northing 6571731	Weather -20 C		
Easting 0569028	Logged by BM	Test Pit Location	
Elevation (m) 587		ribbon	

Soil Type				Estimated Gradation					Lab. Gradation			Soil Properties				Sampling Information				
Depth (m)		General Soil Type		Sums to 100%			Additional Oversize (%)	Max. (mm)	Sums to 100%			Density / Consistency	Plasticity	Colour	Moisture	#	Depth (m)		Type (Check one)	
From	To	Description	USC*	Fines	Sand	Gravel			Fines	Sand	Gravel						From	To	Bucket	Bag
0	0.25	TOPSOIL	OL																	
0.25	0.75	SILT AND SAND, some gravel	SM	40	40	20														
0.75	2.5	GRAVEL AND SAND	GP	8	42	50	1	150	3	43	54				1	0.75	2.5		x	
2.5	6.0	SAND, some gravel	SP	5	80	15														

Water Encountered: No	Depth:	Type:	Notes
------------------------------	---------------	--------------	--------------

Remarks _____

*Unified soils classification system symbol



Sierra-Yoyo-Desan Road Gravel Investigation Area No. 8 Test Pit No. 205

Area Sierra-Yoyo-Desan Road	Excavator Type Cat 322 B		Location Notes
Project KX04335	Contractor Kleedo Construction		
GPS Location	Date 04 March 2003		
Northing 6571801	Weather -20 C		
Easting 0569125	Logged by BM	Test Pit Location	
Elevation (m) 591		ribbon	

Soil Type				Estimated Gradation					Lab. Gradation			Soil Properties				Sampling Information				
Depth (m)		General Soil Type		Sums to 100%			Additional Oversize (%)	Max. (mm)	Sums to 100%			Density / Consistency	Plasticity	Colour	Moisture	#	Depth (m)		Type (Check one)	
From	To	Description	USC*	Fines	Sand	Gravel			Fines	Sand	Gravel						From	To	Bucket	Bag
0	0.25	TOPSOIL	OL																	
0.25	0.75	SILT AND SAND, some gravel	SM	40	40	20														
0.75	2.25	SAND AND GRAVEL	SP	5	40	55	5	200	4	54	42				1	0.75	2.25		x	
2.25	6.0	SAND, some gravel	SP	5	80	15														


Water Encountered: No	Depth:	Type:	Notes
------------------------------	---------------	--------------	--------------

Remarks _____

*Unified soils classification system symbol



Sierra-Yoyo-Desan Road Gravel Investigation Area No. 8 Test Pit No. 206

Area Sierra-Yoyo-Desan Road		Excavator Type Cat 322 B			Location Notes 75 m @ 360 degrees from TP-205	
Project KX04335		Contractor Kleedo Construction				
GPS Location		Date 04 March 2003			Test Pit Location ribbon	
Northing 6571862	Easting 0569144	Weather -20 C				
Elevation (m) 586		Logged by BM				

Soil Type				Estimated Gradation					Lab. Gradation			Soil Properties				Sampling Information				
Depth (m)		General Soil Type		Sums to 100%			Additional Oversize (%)	Max. (mm)	Sums to 100%			Density / Consistency	Plasticity	Colour	Moisture	#	Depth (m)		Type (Check one)	
From	To	Description	USC*	Fines	Sand	Gravel			Fines	Sand	Gravel						From	To	Bucket	Bag
0	0.25	TOPSOIL	OL																	
0.25	1.0	SILT AND SAND, some gravel	SM	40	40	20														
1.0	3.0	SAND, trace gravel	SP	5	90	5														


Water Encountered: No	Depth:	Type:	Notes
------------------------------	---------------	--------------	--------------

Remarks _____

*Unified soils classification system symbol



Sierra-Yoyo-Desan Road Gravel Investigation Area No. 8 Test Pit No. 207

Area Sierra-Yoyo-Desan Road	Excavator Type Cat 322 B		Location Notes
Project KX04335	Contractor Kledo Construction		
GPS Location	Date 04 March 2003		
Northing 6571722	Weather -20 C		
Easting 0569093	Logged by BM	Test Pit Location	
Elevation (m) 592		ribbon	

Soil Type				Estimated Gradation					Lab. Gradation			Soil Properties				Sampling Information				
Depth (m)		General Soil Type		Sums to 100%			Additional Oversize (%)	Max. (mm)	Sums to 100%			Density / Consistency	Plasticity	Colour	Moisture	#	Depth (m)		Type (Check one)	
From	To	Description	USC*	Fines	Sand	Gravel			Fines	Sand	Gravel						From	To	Bucket	Bag
0	0.25	TOPSOIL	OL																	
0.25	1.0	SILT AND SAND, some gravel	SM	40	40	20														
1.0	3.0	GRAVEL, sandy	GP-GM	15	25	60	15	300	8	33	59				1	1.0	3.0		x	
3.0	6.0	SAND, some gravel	SP	5	75	20	3	300												


Water Encountered: No	Depth:	Type:	Notes
------------------------------	---------------	--------------	--------------

Remarks

*Unified soils classification system symbol



Sierra-Yoyo-Desan Road Gravel Investigation Area No. 8 Test Pit No. 208

Area Sierra-Yoyo-Desan Road	Excavator Type Cat 322 B		Location Notes
Project KX04335	Contractor Kledo Construction		
GPS Location	Date 04 March 2003		
Northing 6571591	Weather -20 C		
Easting 0569147	Logged by BM	Test Pit Location	
Elevation (m) 588		ribbon	

Soil Type				Estimated Gradation					Lab. Gradation			Soil Properties				Sampling Information				
Depth (m)		General Soil Type		Sums to 100%			Additional Oversize (%)	Max. (mm)	Sums to 100%			Density / Consistency	Plasticity	Colour	Moisture	#	Depth (m)		Type (Check one)	
From	To	Description	USC*	Fines	Sand	Gravel			Fines	Sand	Gravel						From	To	Bucket	Bag
0	0.25	TOPSOIL	OL																	
0.25	2.5	SAND	SP	5	91	4	3	350												

Water Encountered: Yes	Depth: 2.0 m	Type: Water Table	Notes
-------------------------------	---------------------	--------------------------	--------------

Remarks

*Unified soils classification system symbol



Sierra-Yoyo-Desan Road Gravel Investigation Area No. 8 Test Pit No. 209

Area Sierra-Yoyo-Desan Road	Excavator Type Cat 322 B		Location Notes
Project KX04335	Contractor Kledo Construction		
GPS Location			
Northing 6571666	Date 04 March 2003		
Easting 0569221	Weather -20 C		
Elevation (m) 594	Logged by BM	Test Pit Location ribbon	

Soil Type				Estimated Gradation					Lab. Gradation			Soil Properties				Sampling Information				
Depth (m)		General Soil Type		Sums to 100%			Additional Oversize (%)	Max. (mm)	Sums to 100%			Density / Consistency	Plasticity	Colour	Moisture	#	Depth (m)		Type (Check one)	
From	To	Description	USC*	Fines	Sand	Gravel			Fines	Sand	Gravel						From	To	Bucket	Bag
0	0.25	TOPSOIL	OL																	
0.25	1.25	SILT AND SAND, trace gravel	ML	50	40	10														
1.25	1.75	GRAVEL AND SAND, some silt	GM	15	40	45	8	350												
1.75	2.75	GRAVEL AND SAND, some silt	SM	15	45	40	5	150												
2.75	4.5	SAND, some silt	SM	15	75	10														


Water Encountered: No	Depth:	Type:	Notes
------------------------------	---------------	--------------	--------------

Remarks

*Unified soils classification system symbol



Sierra-Yoyo-Desan Road Gravel Investigation Area No. 8 Test Pit No. 210

Area Sierra-Yoyo-Desan Road	Excavator Type Cat 322 B		Location Notes
Project KX04335	Contractor Kledo Construction		
GPS Location			
Northing 6571783	Date 04 March 2003		
Easting 0569201	Weather -20 C	Test Pit Location ribbon	
Elevation (m) 585	Logged by BM		

Soil Type				Estimated Gradation					Lab. Gradation			Soil Properties				Sampling Information				
Depth (m)		General Soil Type		Sums to 100%			Additional Oversize (%)	Max. (mm)	Sums to 100%			Density / Consistency	Plasticity	Colour	Moisture	#	Depth (m)		Type (Check one)	
From	To	Description	USC*	Fines	Sand	Gravel			Fines	Sand	Gravel						From	To	Bucket	Bag
0	0.25	TOPSOIL	OL																	
0.25	0.75	SILT AND SAND, some gravel	SM	40	40	20														
0.75	2.75	GRAVEL AND SAND	GP	4	36	60	10	350	4	38	58				1	0.75	2.75		x	
2.75	5.5	SAND AND GRAVEL	SP	5	50	45														

Water Encountered: No	Depth:	Type:	Notes
------------------------------	---------------	--------------	--------------

Remarks _____

*Unified soils classification system symbol



Sierra-Yoyo-Desan Road Gravel Investigation Area No. 8 Test Pit No. 211

Area Sierra-Yoyo-Desan Road	Excavator Type Cat 322 B		Location Notes
Project KX04335	Contractor Kledo Construction		50 m @ 360 degrees from TP-204
GPS Location			Test Pit Location ribbon
Northing 6571765	Date 04 March 2003		
Easting 0569031	Weather -20 C, Snow		
Elevation (m) 573	Logged by BM		

Soil Type				Estimated Gradation					Lab. Gradation			Soil Properties				Sampling Information				
Depth (m)		General Soil Type		Sums to 100%			Additional Oversize (%)	Max. (mm)	Sums to 100%			Density / Consistency	Plasticity	Colour	Moisture	#	Depth (m)		Type (Check one)	
From	To	Description	USC*	Fines	Sand	Gravel			Fines	Sand	Gravel						From	To	Bucket	Bag
0	0.25	TOPSOIL	OL																	
0.25	1.0	SILT AND SAND, some gravel	SM	40	40	20														
1.0	2.0	SAND, trace gravel	SP	5	85	10														
2.0	4.5	SAND	SP	5	94	1														

Water Encountered: No	Depth:	Type:	Notes
------------------------------	---------------	--------------	--------------

Remarks

*Unified soils classification system symbol



Sierra-Yoyo-Desan Road Gravel Investigation Area No. 8 Test Pit No. 212

Area Sierra-Yoyo-Desan Road	Excavator Type Cat 322 B		Location Notes
Project KX04335	Contractor Kledo Construction		50 m @ 180 degrees from TP-204
GPS Location			Test Pit Location ribbon
Northing 6571672	Date 04 March 2003		
Easting 0569028	Weather -20 C, Snow		
Elevation (m) 576	Logged by BM		

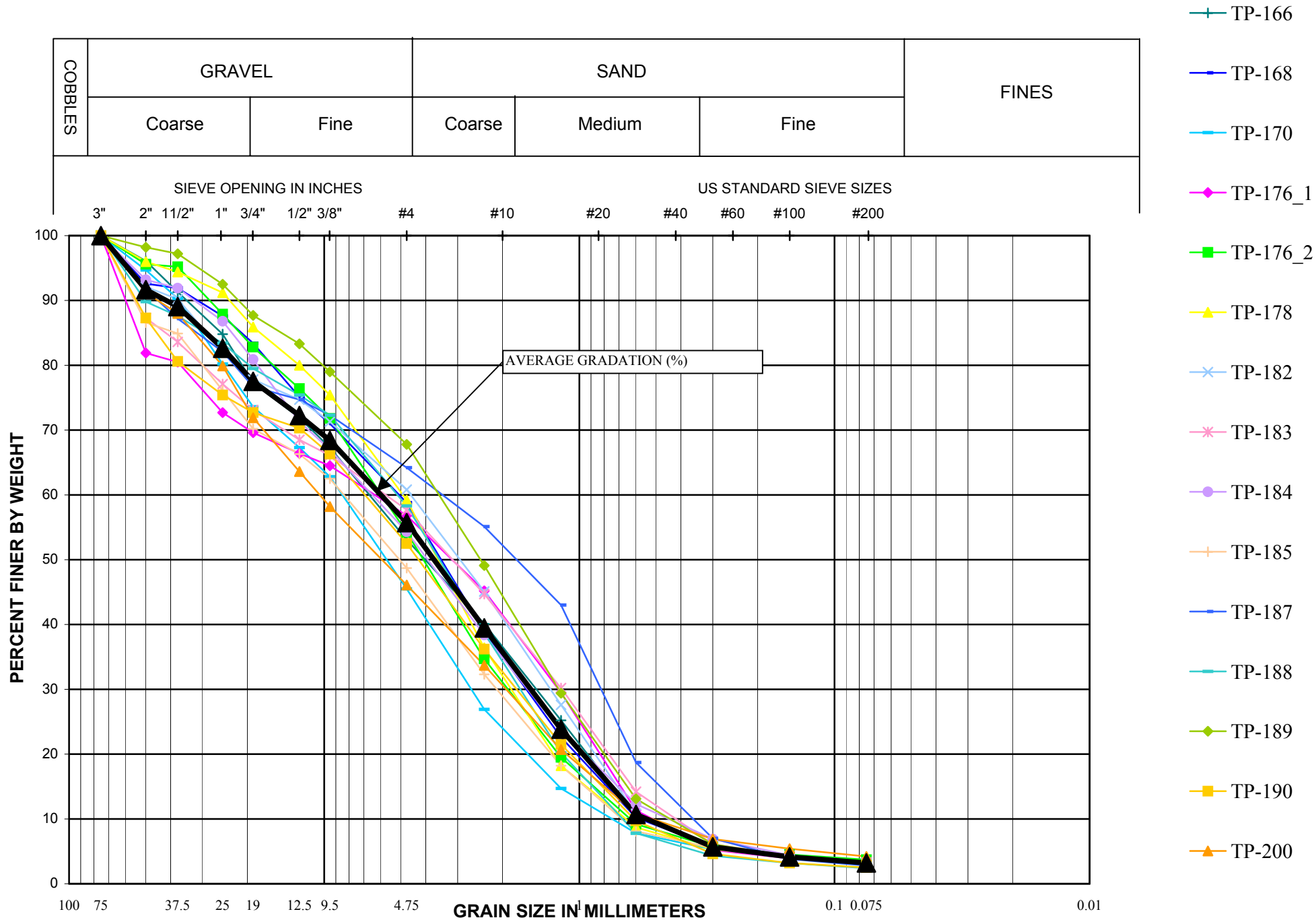
Soil Type				Estimated Gradation					Lab. Gradation			Soil Properties				Sampling Information				
Depth (m)		General Soil Type		Sums to 100%			Additional Oversize (%)	Max. (mm)	Sums to 100%			Density / Consistency	Plasticity	Colour	Moisture	#	Depth (m)		Type (Check one)	
From	To	Description	USC*	Fines	Sand	Gravel			Fines	Sand	Gravel						From	To	Bucket	Bag
0	0.25	TOPSOIL	OL																	
0.25	1.0	SILT AND SAND, some gravel	SM	40	40	20														
1.0	1.5	GRAVEL AND SAND	GM	20	40	40	2	200												
1.5	3.0	SILT AND CLAY	ML-CL																	

Water Encountered: No	Depth:	Type:	Notes
------------------------------	---------------	--------------	--------------

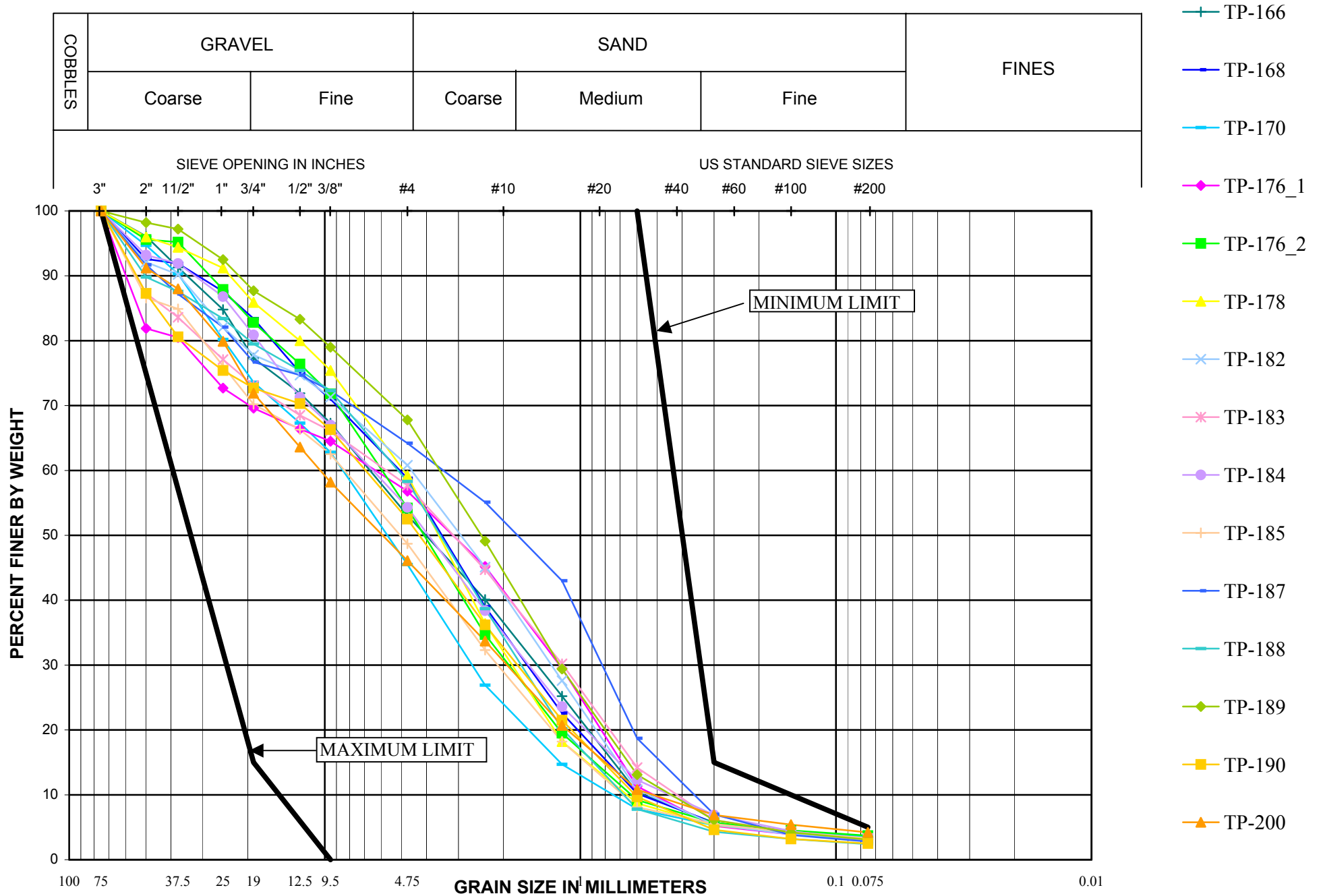
Remarks

*Unified soils classification system symbol

**SIERRA-YOYO-DESAN ROAD AREA GRAVEL INVESTIGATION
NEAR FORT NELSON, NORTHEASTERN BC
CHART D1-1 - AREA 8 SECTION 1 GRADATION CURVES AND AVERAGE GRADATION**

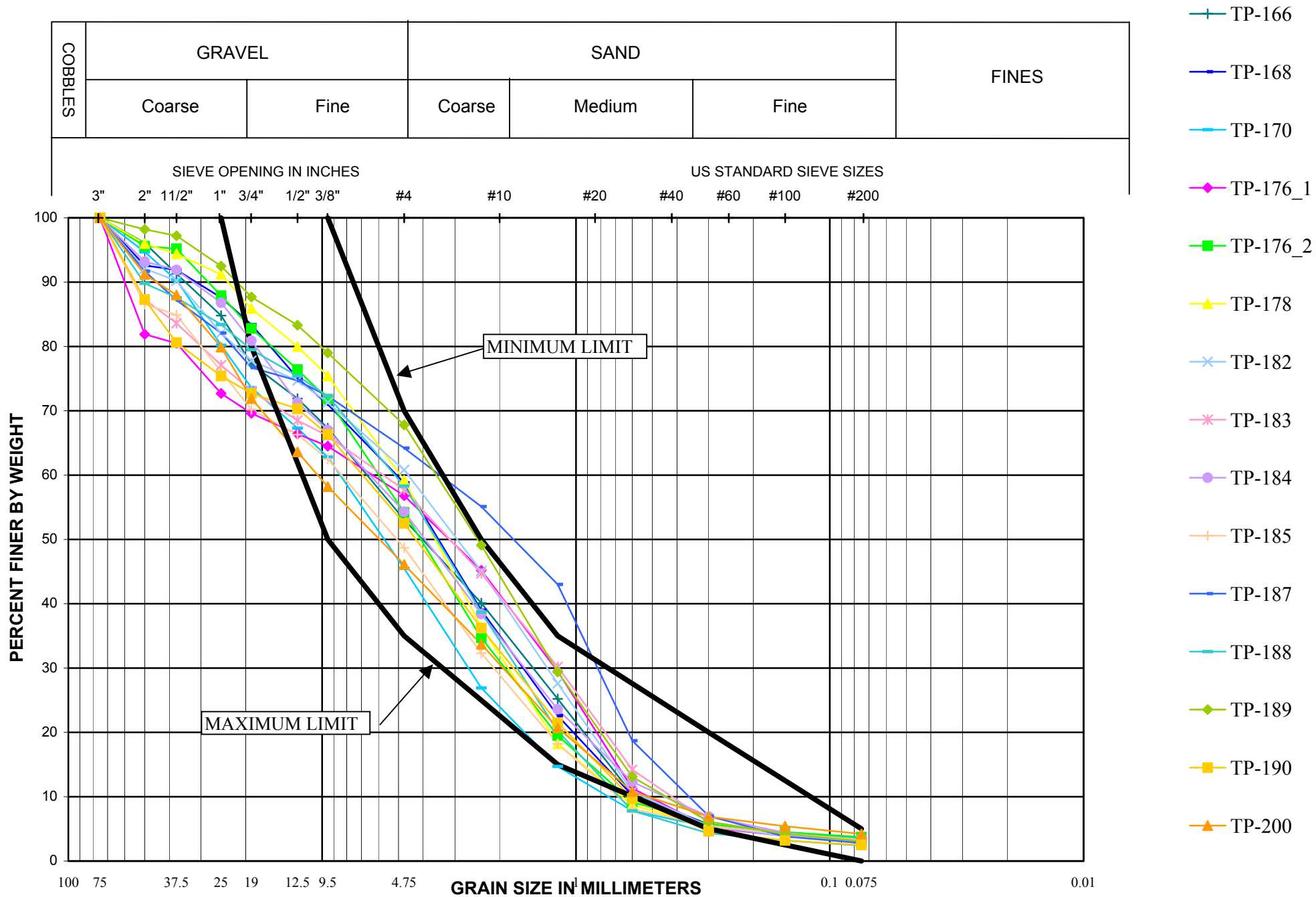


**SIERRA-YOYO-DESAN ROAD GRAVEL INVESTIGATION
 CHART D1-2 - AREA 8 SECTION 1 GRADATION CURVES
 MoT TABLE 202-G SELECT GRANULAR SUB-BASE SPECIFICATIONS**

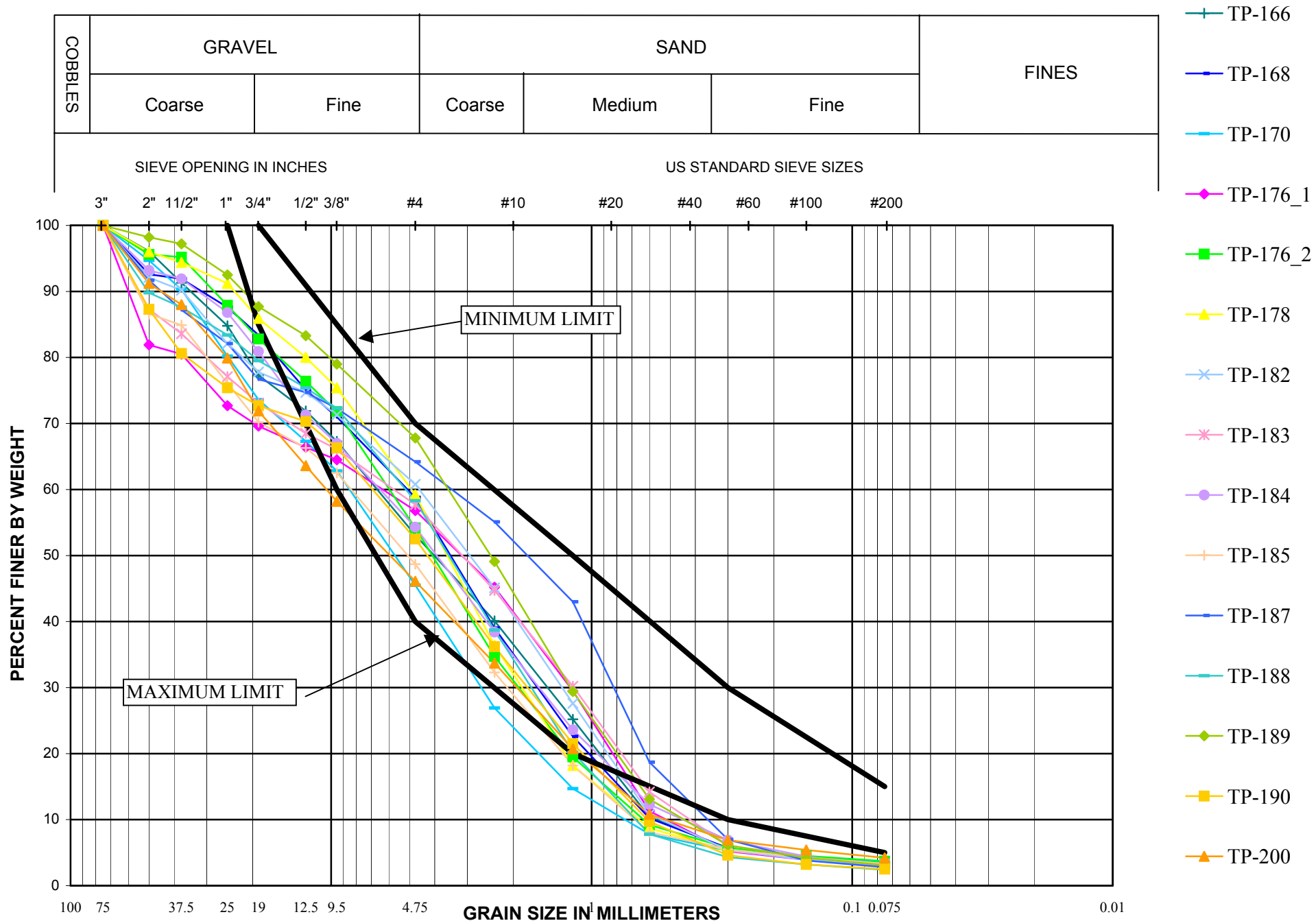


**SIERRA-YOYO-DESAN ROAD GRAVEL INVESTIGATION
CHART D1-3 - AREA 8 SECTION 1 GRADATION CURVES**

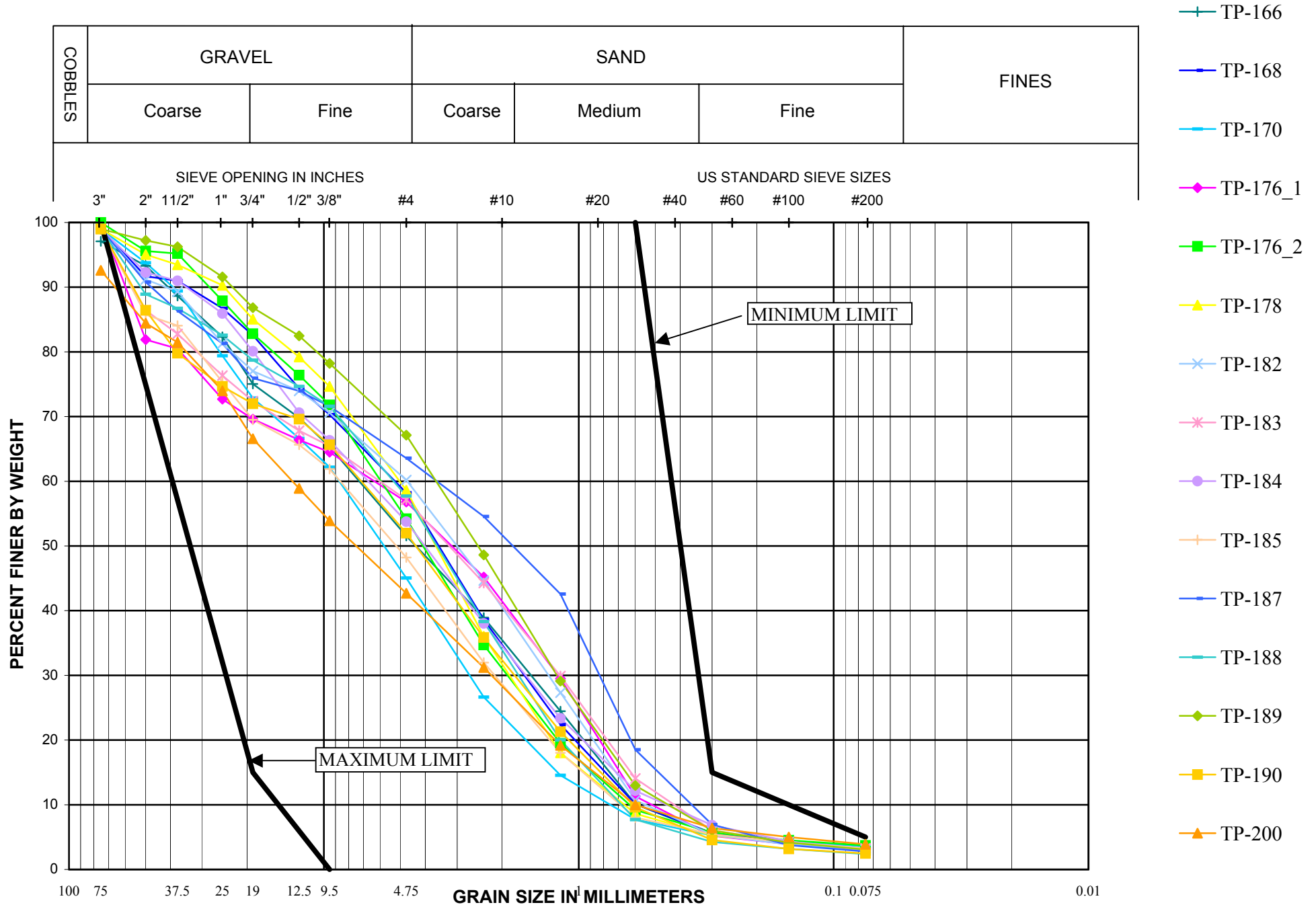
MoT TABLE 202-C 25 MM WELL GRADED BASE COURSE AGGREGATE SPECIFICATIONS



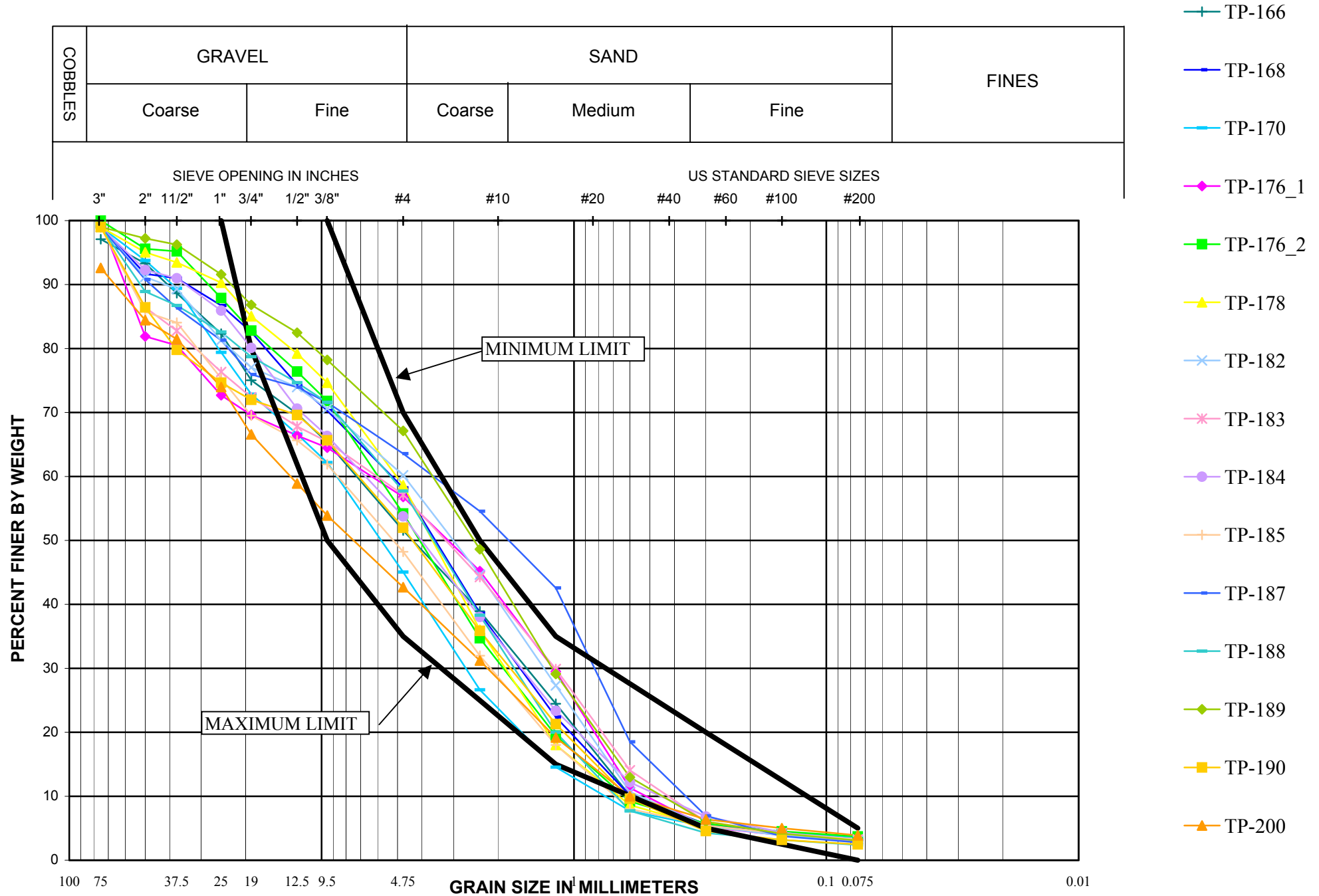
**SIERRA-YOYO-DESAN ROAD GRAVEL INVESTIGATION
 CHART D1-4 - AREA 8 SECTION 1 GRADATION CURVES
 MoT TABLE 202-B HIGH FINES GRANULAR SURFACING AGGREGATE SPECIFICATIONS**



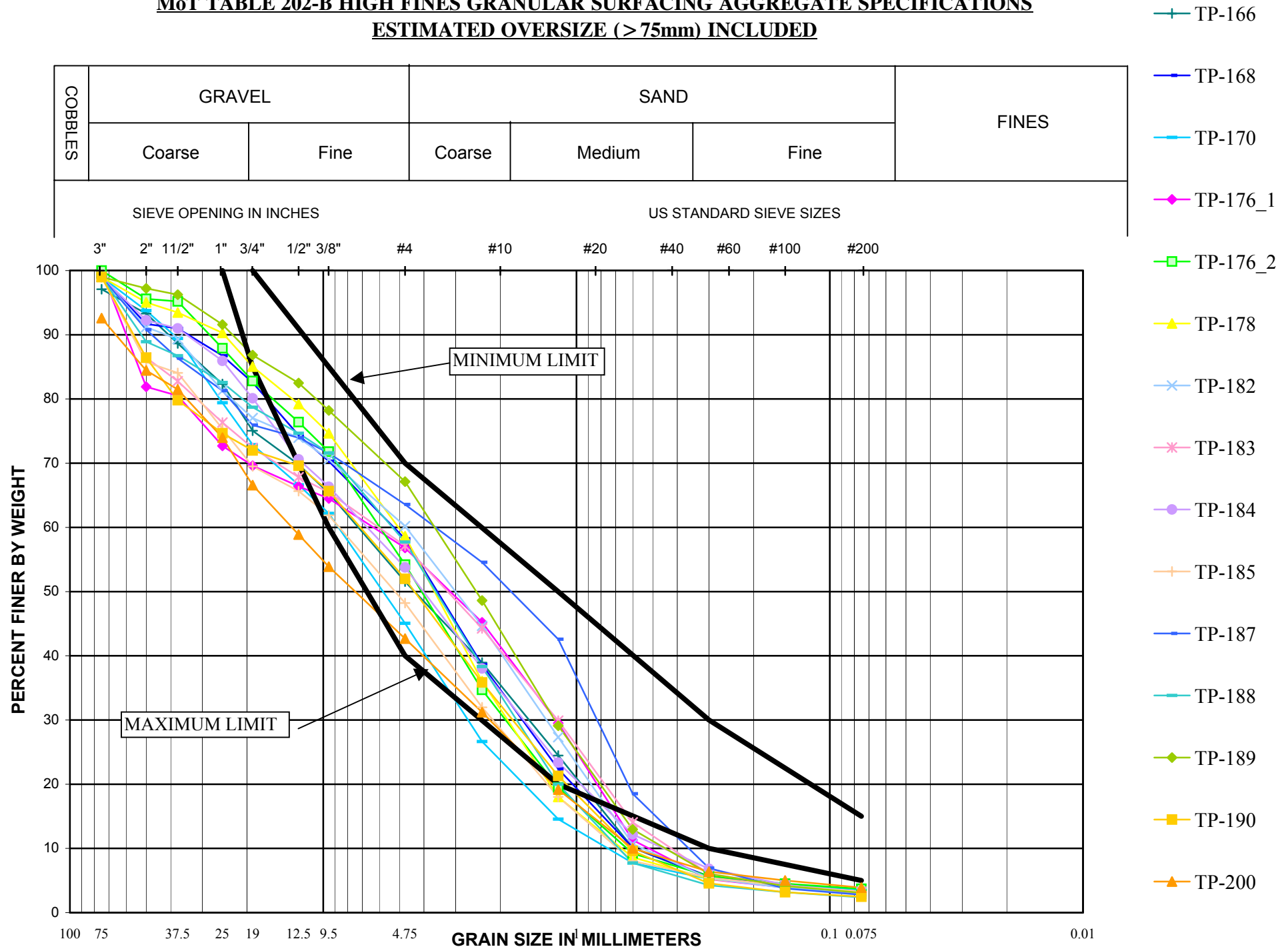
SIERRA-YOYO-DESAN ROAD GRAVEL INVESTIGATION
CHART D1-6 - AREA 8 SECTION 1 GRADATION CURVES
MoT TABLE 202-G SELECT GRANULAR SUB-BASE SPECIFICATIONS
ESTIMATED OVERSIZE (> 75mm) INCLUDED



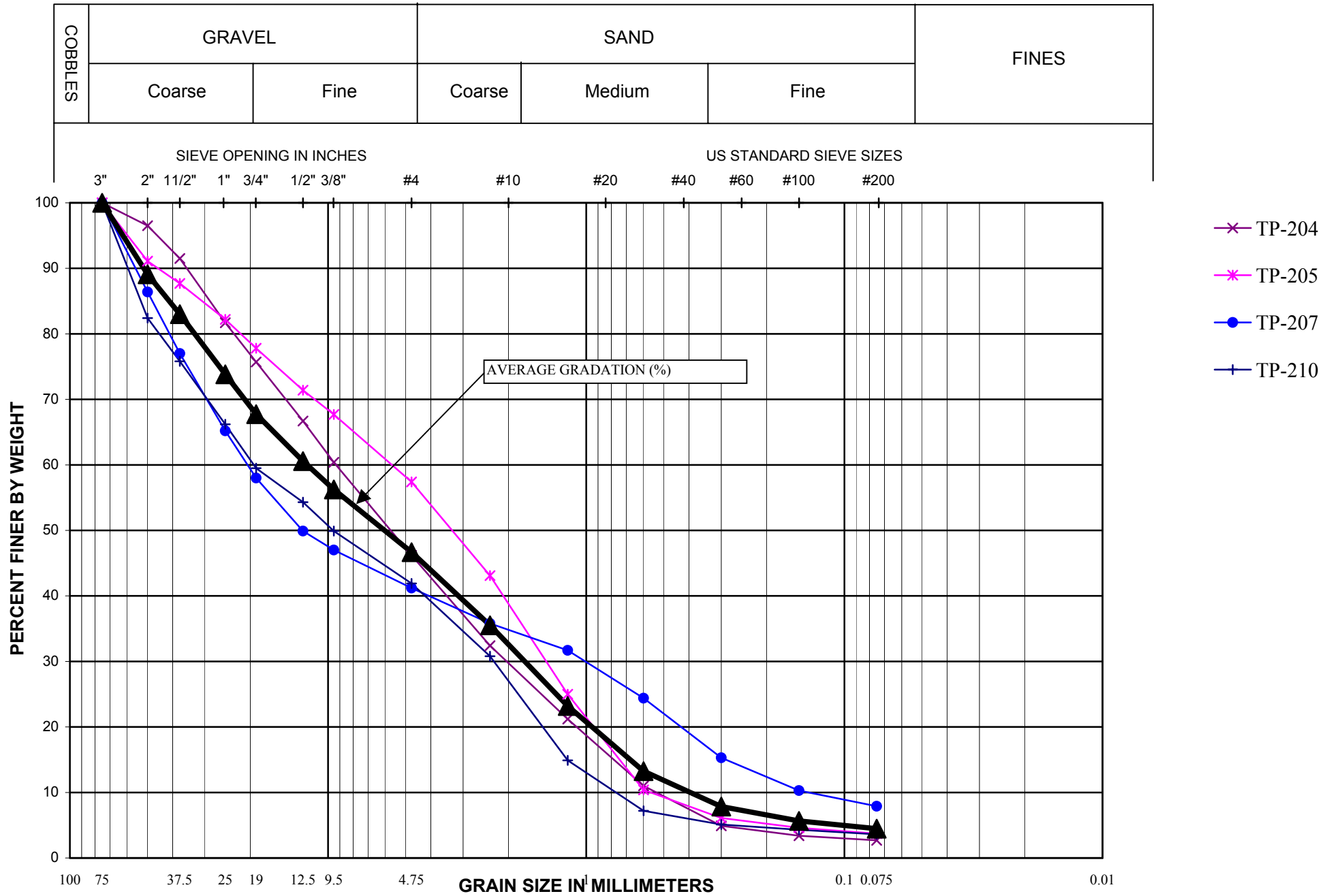
SIERRA-YOYO-DESAN ROAD GRAVEL INVESTIGATION
CHART D1-7 - AREA 8 SECTION 1 GRADATION CURVES
MoT TABLE 202-C 25 MM WELL GRADED BASE COURSE AGGREGATE SPECIFICATIONS
ESTIMATED OVERSIZE (> 75mm) INCLUDED



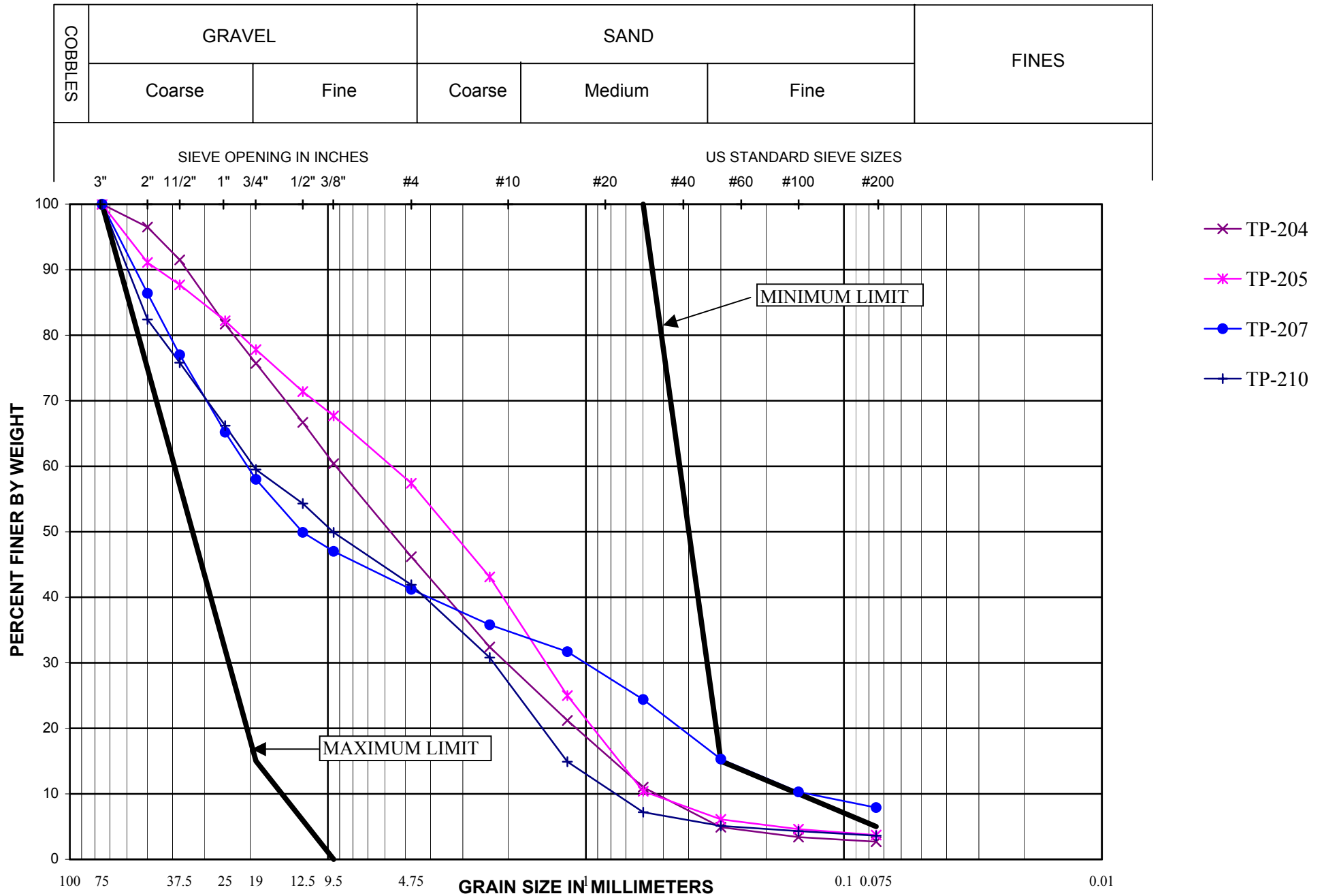
SIERRA-YOYO-DESAN ROAD GRAVEL INVESTIGATION
CHART D1-8 - AREA 8 SECTION 1 GRADATION CURVES
MoT TABLE 202-B HIGH FINES GRANULAR SURFACING AGGREGATE SPECIFICATIONS
ESTIMATED OVERSIZE (> 75mm) INCLUDED



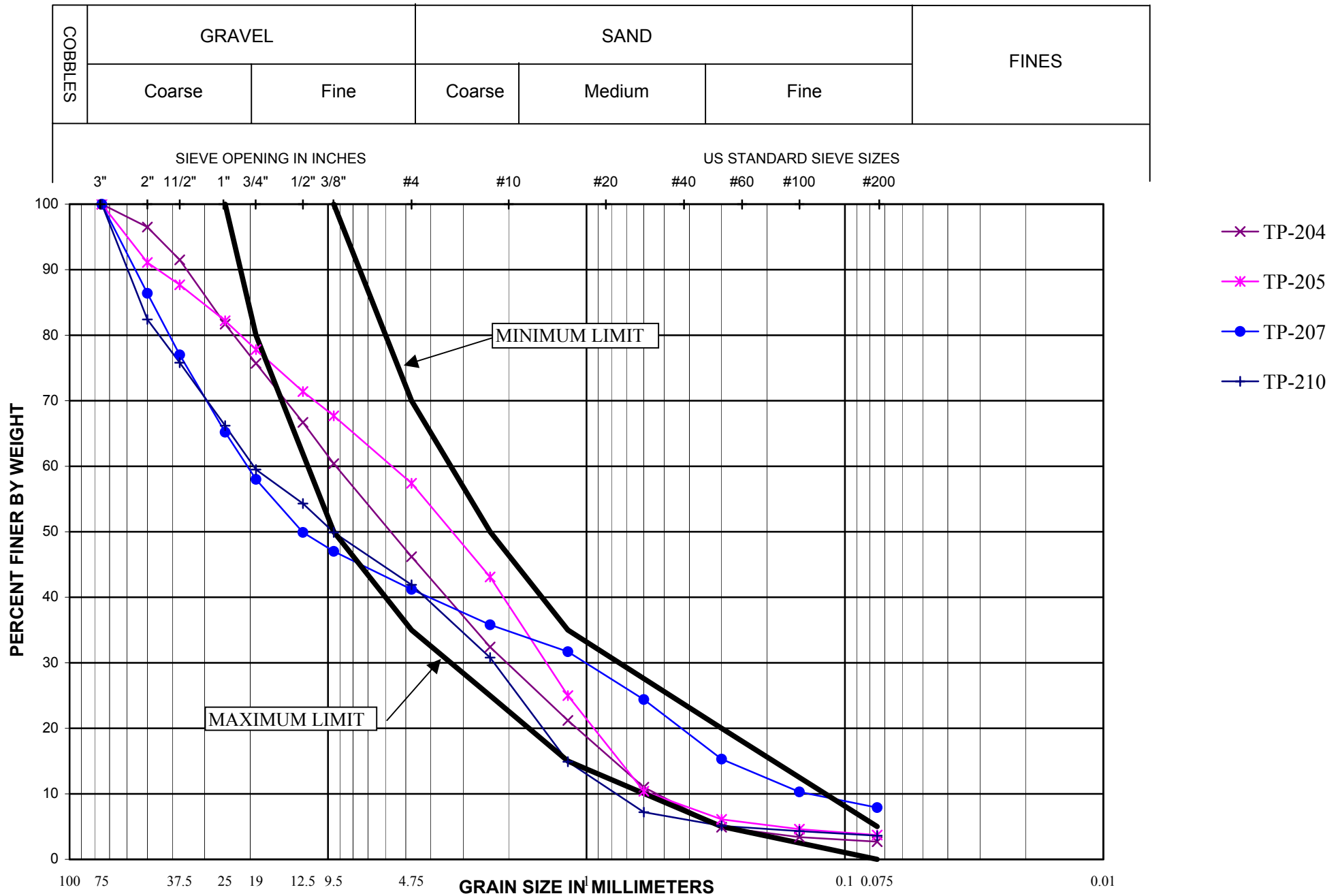
SIERRA-YOYO-DESAN ROAD AREA GRAVEL INVESTIGATION
NEAR FORT NELSON, NORTHEASTERN BC
CHART D3-1 - AREA 8 SECTION 3 GRADATION CURVES AND AVERAGE GRADATION



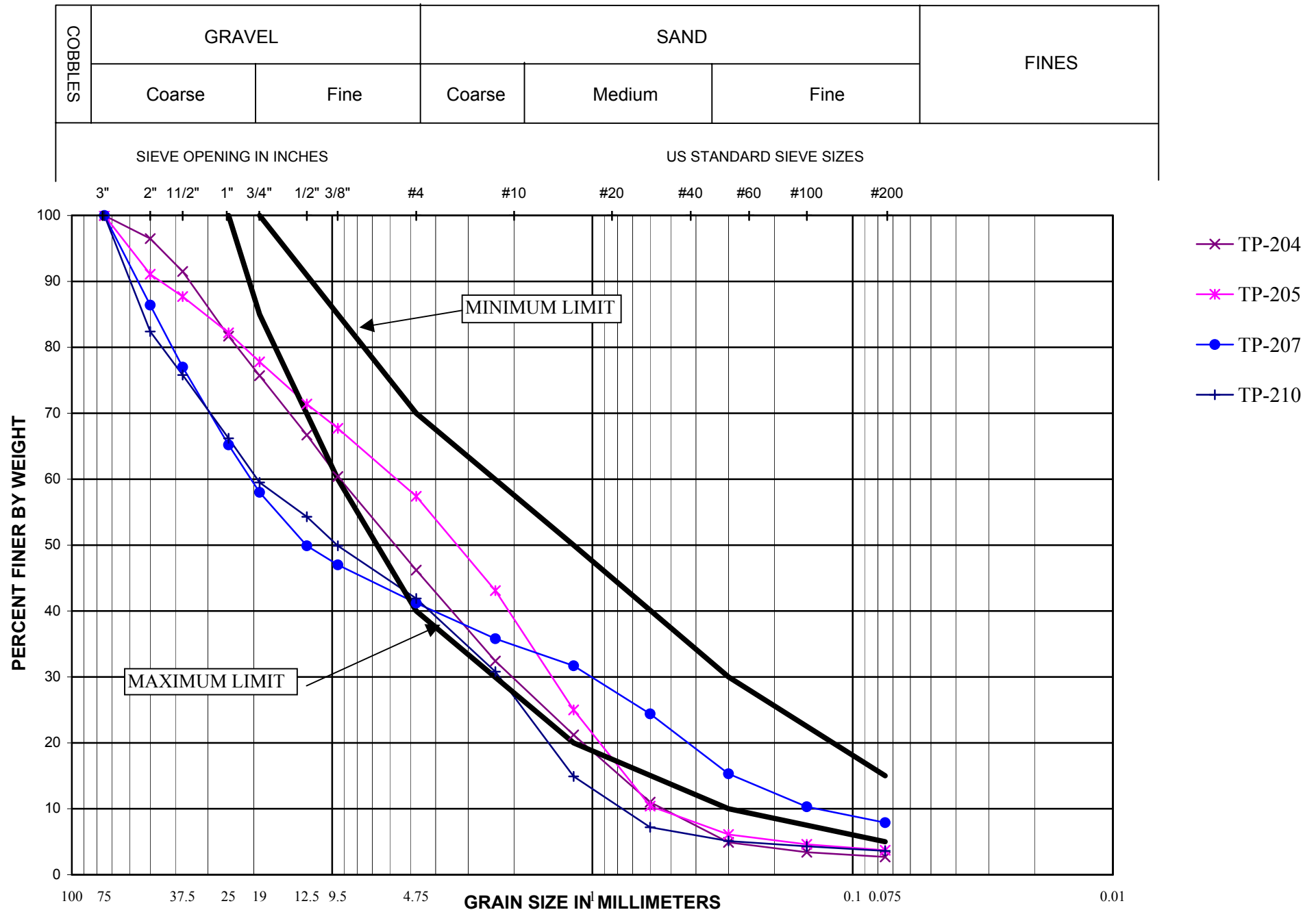
SIERRA-YOYO-DESAN ROAD GRAVEL INVESTIGATION
CHART D3-2 - AREA 8 SECTION 3 GRADATION CURVES
MoT TABLE 202-G SELECT GRANULAR SUB-BASE SPECIFICATIONS



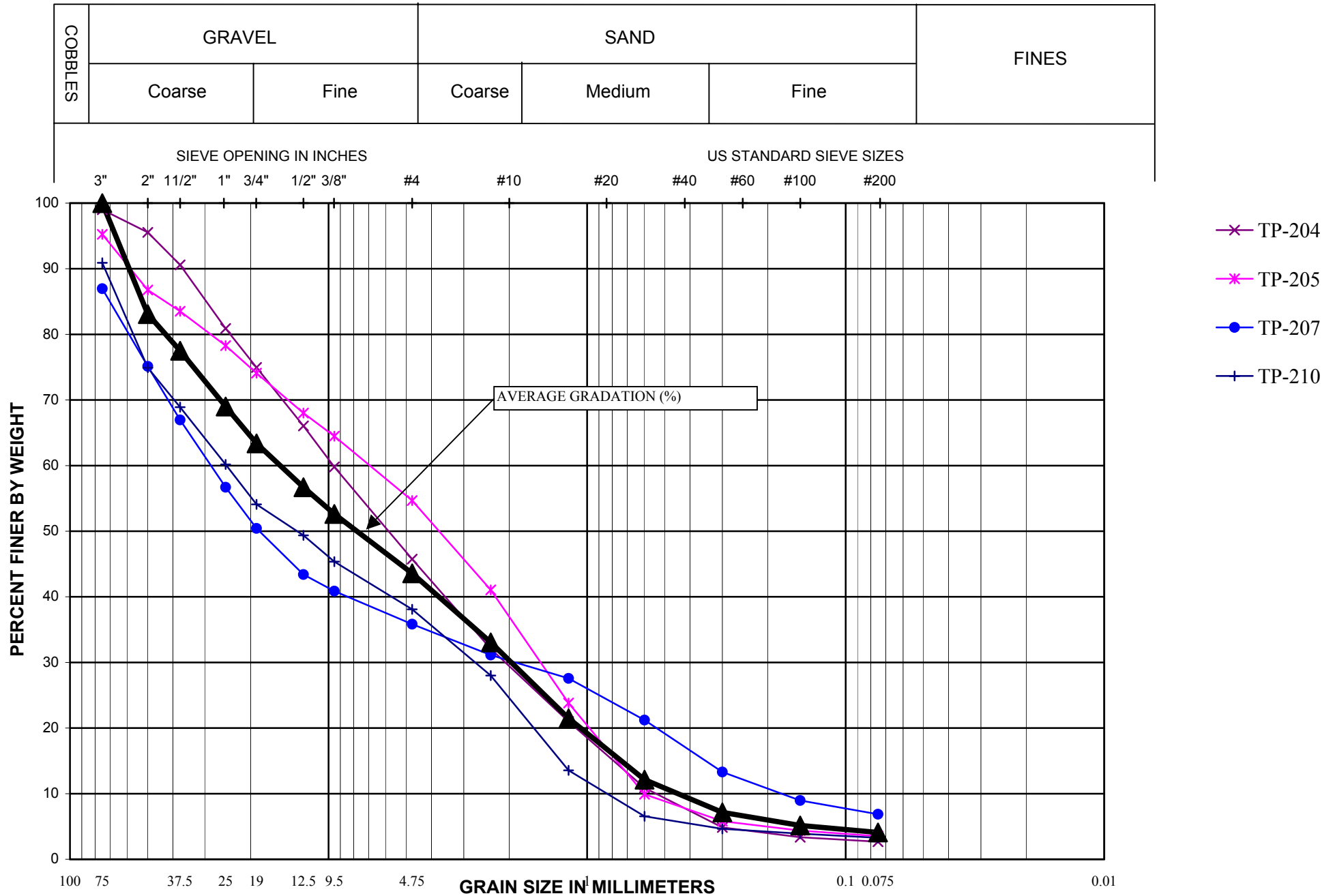
SIERRA-YOYO-DESAN ROAD GRAVEL INVESTIGATION
CHART D3-3 - AREA 8 SECTION 3 GRADATION CURVES
MoT TABLE 202-C 25 MM WELL GRADED BASE COURSE AGGREGATE SPECIFICATIONS



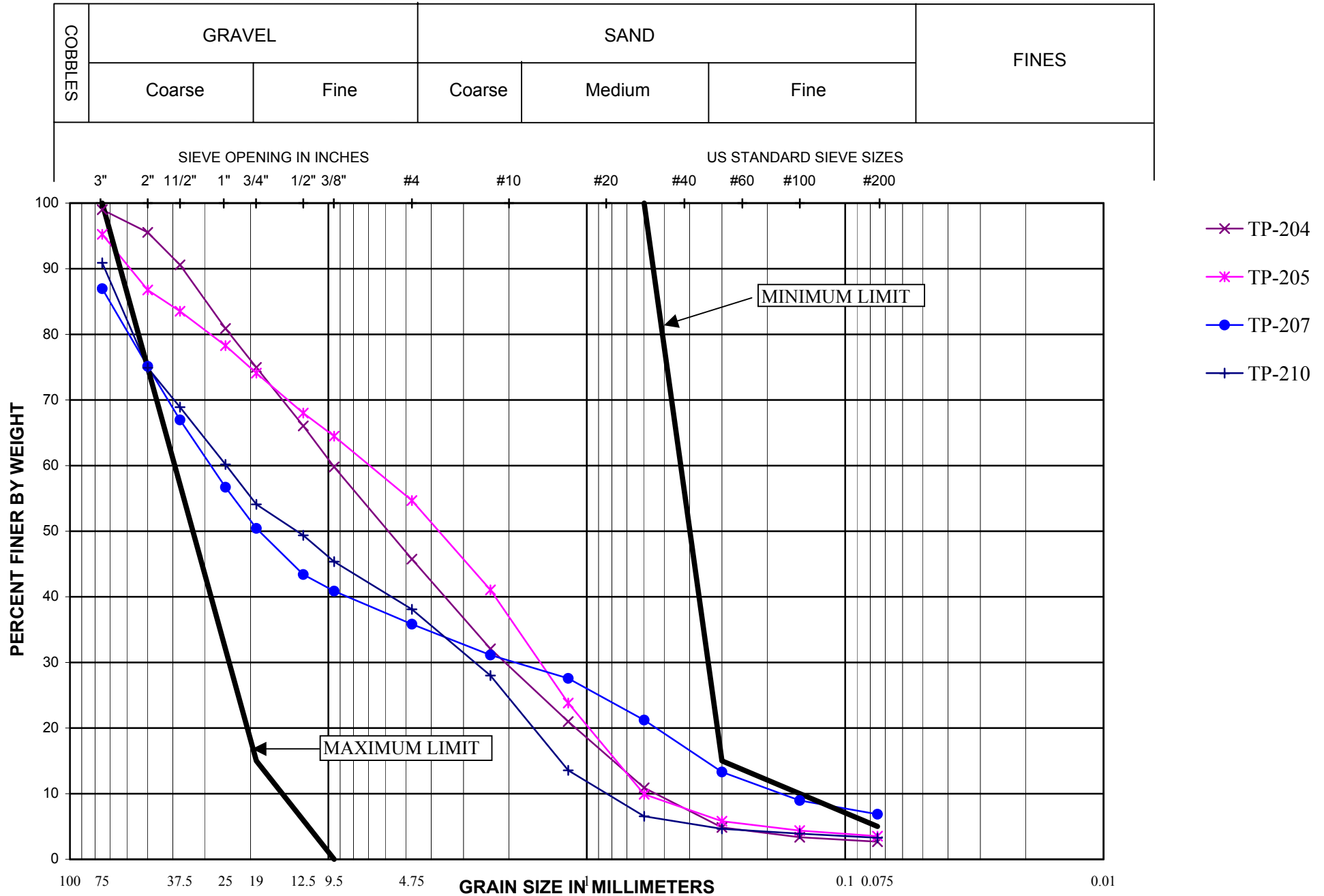
**SIERRA-YOYO-DESAN ROAD GRAVEL INVESTIGATION
 CHART D3-4 - AREA 8 SECTION 3 GRADATION CURVES
 MoT TABLE 202-B HIGH FINES GRANULAR SURFACING AGGREGATE SPECIFICATIONS**



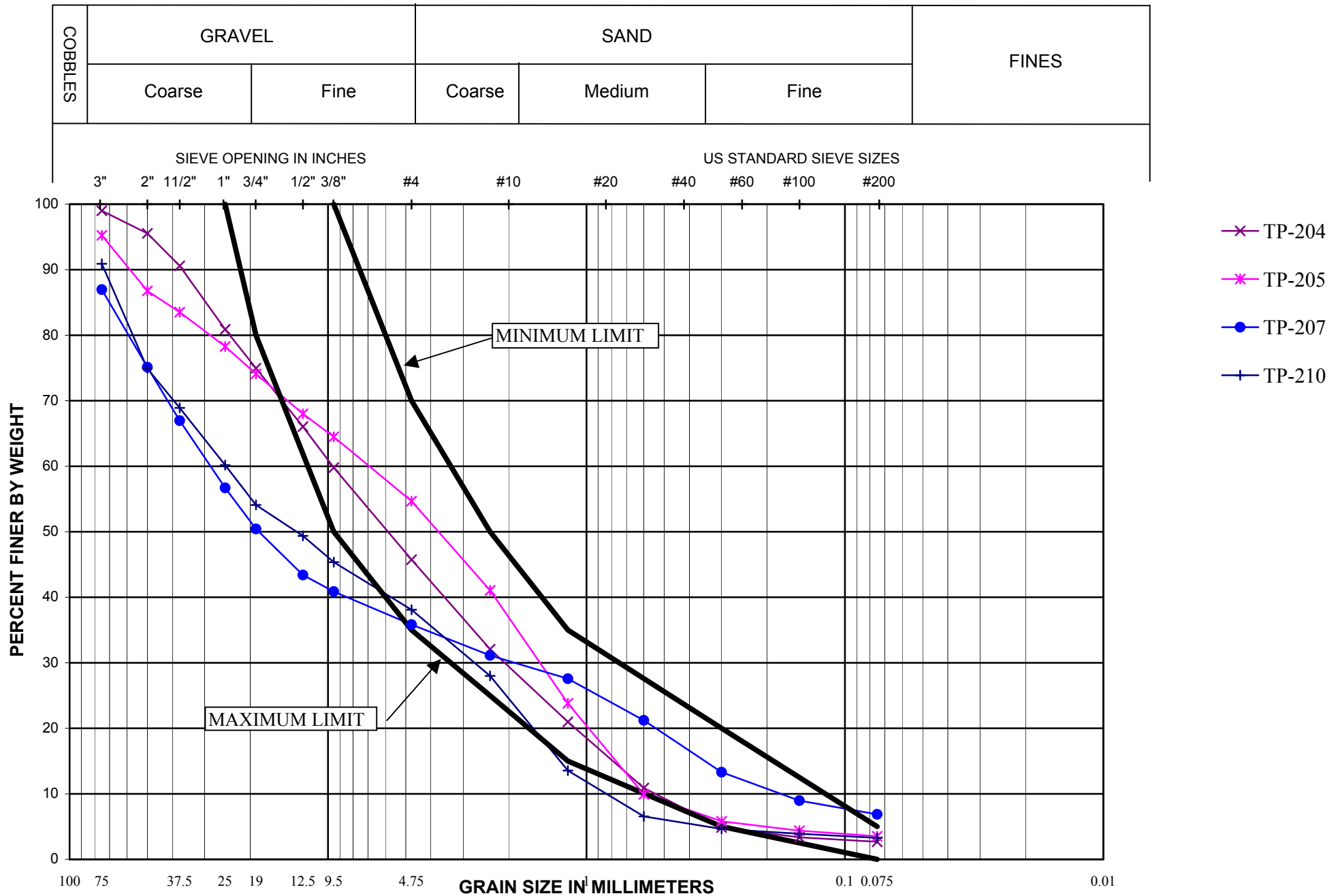
SIERRA-YOYO-DESAN ROAD AREA GRAVEL INVESTIGATION
NEAR FORT NELSON, NORTHEASTERN BC
CHART D3-5 - AREA 8 SECTION 3 GRADATION CURVES AND AVERAGE GRADATION
ESTIMATED OVERSIZE (> 75mm) INCLUDED



SIERRA-YOYO-DESAN ROAD GRAVEL INVESTIGATION
CHART D3-6 - AREA 8 SECTION 3 GRADATION CURVES
MoT TABLE 202-G SELECT GRANULAR SUB-BASE SPECIFICATIONS
ESTIMATED OVERSIZE (> 75mm) INCLUDED



SIERRA-YOYO-DESAN ROAD GRAVEL INVESTIGATION
CHART D3-7 - AREA 8 SECTION 3 GRADATION CURVES
MoT TABLE 202-C 25 MM WELL GRADED BASE COURSE AGGREGATE SPECIFICATIONS
ESTIMATED OVERSIZE (> 75mm) INCLUDED



SIERRA-YOYO-DESAN ROAD GRAVEL INVESTIGATION
CHART D3-8 - AREA 8 SECTION 3 GRADATION CURVES
MoT TABLE 202-B HIGH FINES GRANULAR SURFACING AGGREGATE SPECIFICATIONS
ESTIMATED OVERSIZE (> 75mm) INCLUDED

