

Km 1691.7 to 1717.3 Alaska Highway #1

J.R. Paine & Associates (Rob Williamson) August 2004

SIEVE ANALYSIS

1. Auger Drilling R.O.W. (CME75 Drill)

Testholes	30000 to 30051
	30082 to 30136
	30148 to 30176

* NOTE: There are no Testhole 30048, 30060 & 30071.
Consultant not required to do Sieve Analysis on 30052 to 30070.

2. Rock Drilling R.O.W. (Reverse Circulation Air Rotary)

* NOTE: No Sieve Analysis done on rock drilling samples.

3. 1699+700 LHS Alaska Highway (Cat 318C Excavator)

Test Pits	30177 to 30179
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4. 1706+200 LHS Alaska Highway (Soldiers Summit Slide) (Hitachi 450EX Excavator)

Test Pits	30076 & 30081
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* NOTE: No samples taken from Test Pits 30072 to 30075, 30077, 30078, & 30080.
Sample taken from Test Pit 30079 but no sieve analysis done.

5. 1712+900 LHS Alaska Highway (Williscroft) (Hitachi 450EX Excavator / CME75 Drill)
Pit ID# 115 G-12

* NOTE: See Pit File 115 G-12 for Test Pits 30137 to 30147 and
Testholes 30142D, 30146D, & 654-2763D

Km 1691.7 to 1717.3 Alaska Highway #1

August 2004

J. R. Paine & Associates

Auger Hole Sieve Sheets
(CME75 Drill)

Testholes	30000 to 30051
	30082 to 30136
	30148 to 30176

* NOTE: There are no Testhole 30048, 30060 & 30071.
Consultant not required to do Sieve Analysis on
30052 to 30070.



TRANSPORTATION
ENGINEERING, S-3

PROJECT NUMBER: 8002-318
CLIENT: YTG, Transportation & Engineering
PROJECT NAME: Geotechnical Services
PROJECT LOCATION: Km 1691.7-1717.3
DRILL UNIT: CME75
HOLE LOCATION: 644064-6767988
LOGGED BY: RW

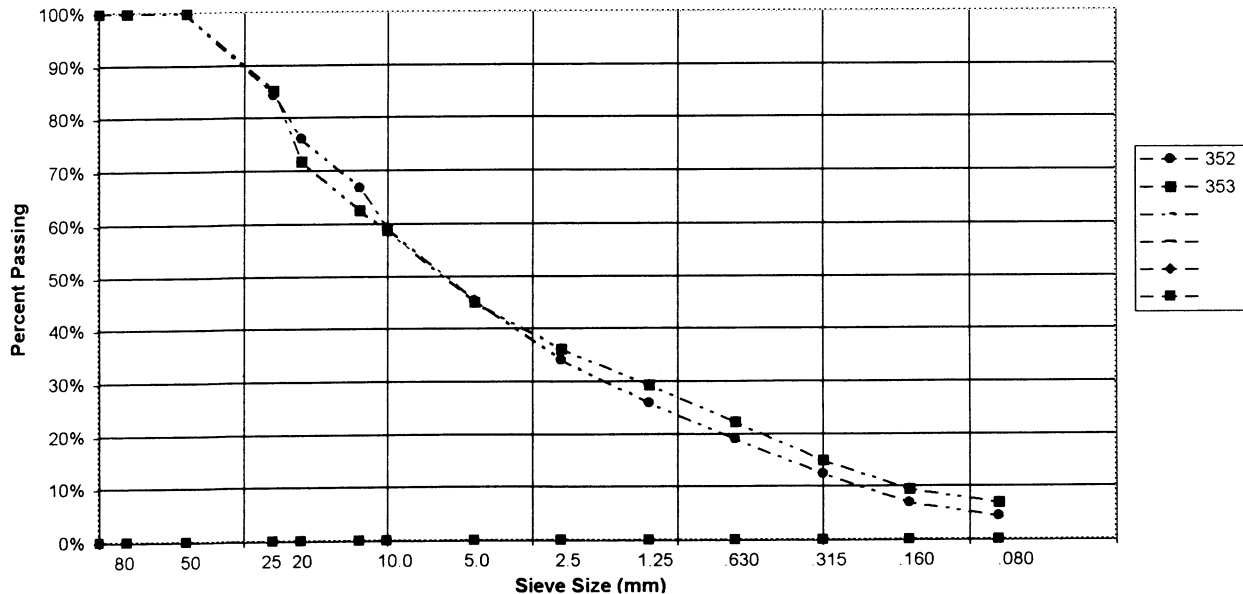
HOLE No.: 30000

SEP 03 2004

DATE COMP: 08/16/2004

FIELD NO:	352	353			
LAB NO:	352	353			
DEPTH:	0.3-0.9	1.8-2.4			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	84%	85%			
20.0	76%	72%			
12.5	67%	63%			
10.0	59%	59%			
5.0	45%	45%			
2.5	34%	36%			
1.25	26%	29%			
0.630	19%	22%			
0.315	12%	15%			
0.160	7%	10%			
0.080	4%	7%			
M.C.(%)	2%	2%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0			
% GRAVEL:	55	55			
% SAND:	41	38			
% FINES:	4	7			
CLASSIFICATION	WELL-GRADED GRAVEL WITH SAND (GW)	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM)			

Grain Size Analysis (Percent Passing vs Grain Size)





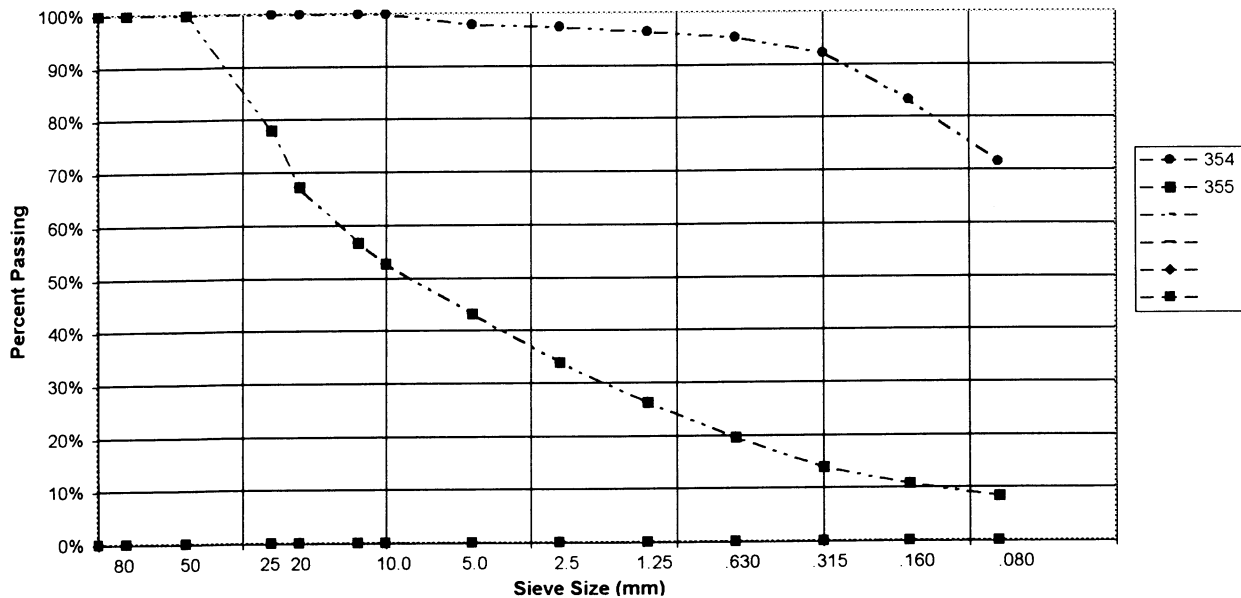
PROJECT NUMBER: 8002-318
CLIENT: YTG, Transportation & Engineering
PROJECT NAME: Geotechnical Services
PROJECT LOCATION: Km 1691.7-1717.3
DRILL UNIT: CME75
HOLE LOCATION: 643863-6768004
LOGGED BY: RW

HOLE No.: 30001

DATE COMP: 08/16/2004

Table with columns for FIELD NO., LAB NO., DEPTH, TYPE, SIEVE SIZE, PERCENT PASSING, and CLASSIFICATION. It contains data for two samples (354 and 355) and lists sieve sizes from 100.0 to 0.080 mm, along with plasticity indices and soil classification.

Grain Size Analysis (Percent Passing vs Grain Size)





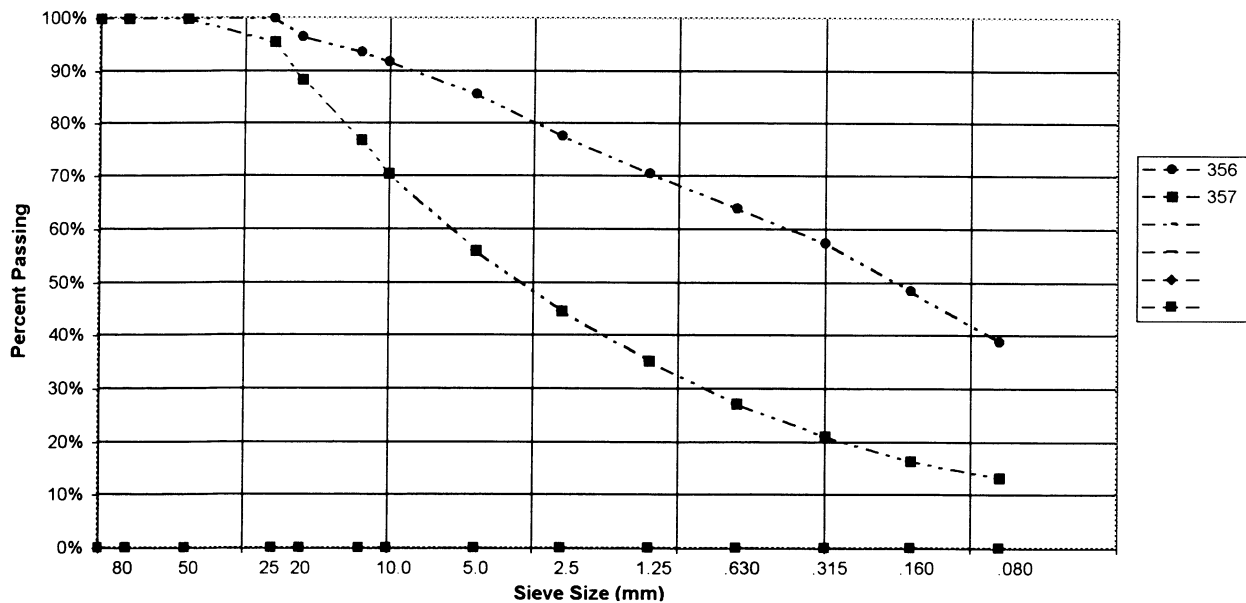
PROJECT NUMBER: 8002-318
CLIENT: YTG, Transportation & Engineering
PROJECT NAME: Geotechnical Services
PROJECT LOCATION: Km 1691.7-1717.3
DRILL UNIT: CME75
HOLE LOCATION: 643667-6768001
LOGGED BY: RW

HOLE No.: 30002

DATE COMP: 08/16/2004

Table with 6 columns: FIELD NO., LAB NO., DEPTH, TYPE, SIEVE SIZE, PERCENT PASSING. It contains data for two samples (356 and 357) across various sieve sizes (100.0 to 0.080) and soil classification (SILTY SAND (SM) and SILTY GRAVEL WITH SAND (GM)).

Grain Size Analysis (Percent Passing vs Grain Size)



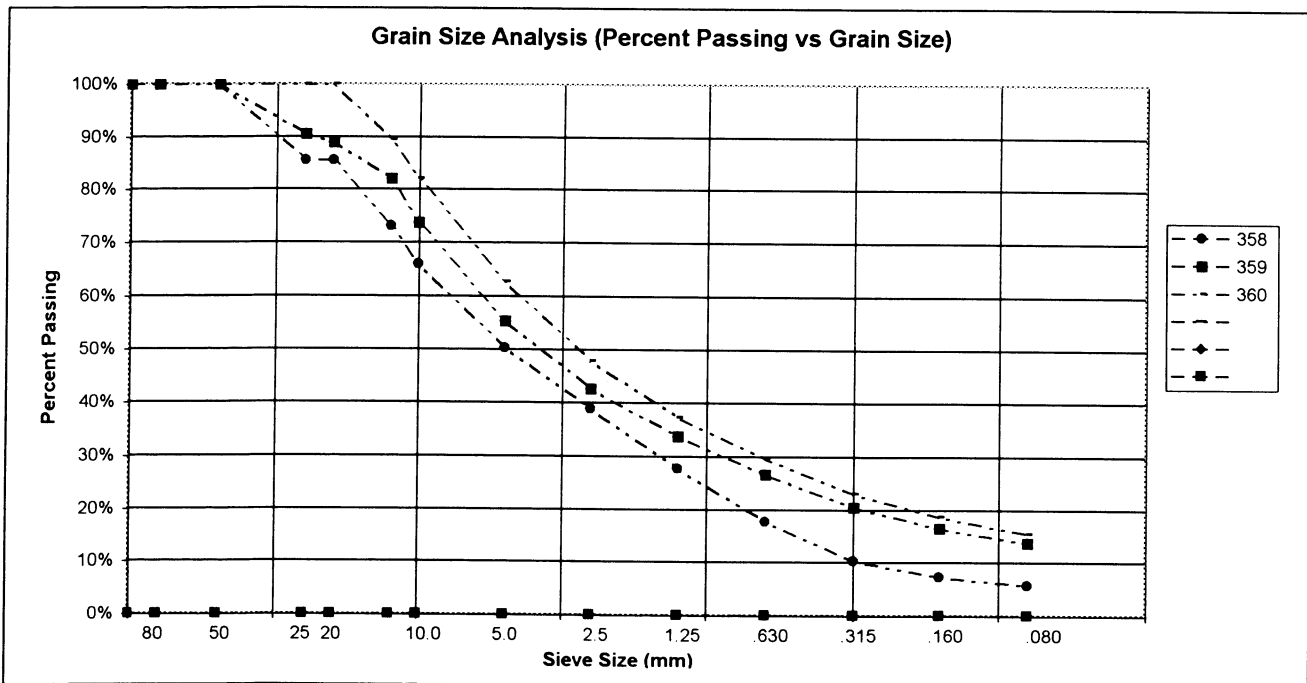


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 643448-6767987
 LOGGED BY: RW

HOLE No.: 30003

DATE COMP: 08/16/2004

FIELD NO:	358	359	360		
LAB NO:	358	359	360		
DEPTH:	0.3-0.9	1.8-2.4	3.4-4.0		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	86%	91%	100%		
20.0	86%	89%	100%		
12.5	73%	82%	89%		
10.0	66%	74%	82%		
5.0	50%	55%	63%		
2.5	39%	43%	48%		
1.25	28%	34%	37%		
0.630	18%	27%	30%		
0.315	10%	21%	23%		
0.160	7%	17%	19%		
0.080	6%	14%	15%		
M.C.(%):	2%	3%	3%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0		
% GRAVEL:	50	45	37		
% SAND:	44	42	47		
% FINES:	6	14	15		
CLASSIFICATION	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	SILTY GRAVEL WITH SAND (GM)	SILTY SAND WITH GRAVEL (SM)		





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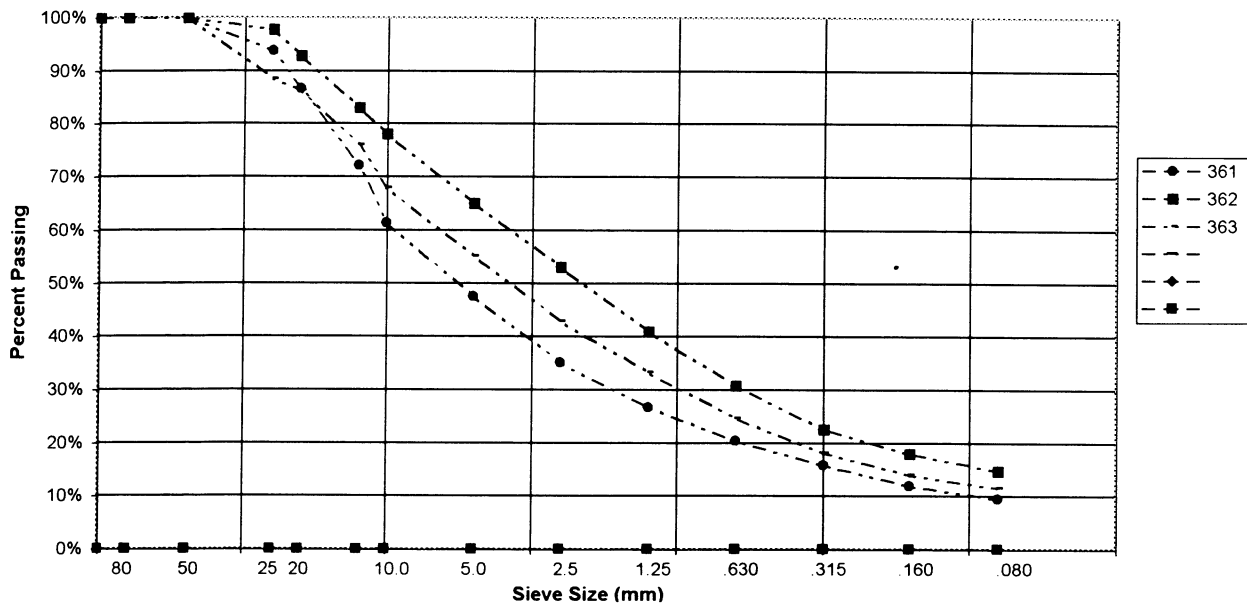
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 643430-6768053
 LOGGED BY: RW

HOLE No.: 30004

DATE COMP: 08/16/2004

FIELD NO:	361	362	363		
LAB NO:	361	362	363		
DEPTH:	0.6-1.2	1.8-2.4	3.4-4.0		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	94%	98%	88%		
20.0	87%	93%	86%		
12.5	72%	83%	76%		
10.0	61%	78%	68%		
5.0	47%	65%	55%		
2.5	35%	53%	43%		
1.25	27%	41%	33%		
0.630	20%	31%	25%		
0.315	16%	23%	18%		
0.160	12%	18%	14%		
0.080	10%	15%	12%		
M.C.(%):	3%	4%	3%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX:	0.0	0.0	0.0		
% GRAVEL:	53	35	45		
% SAND:	38	50	44		
% FINES:	10	15	12		
CLASSIFICATION	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	SILTY SAND WITH GRAVEL (SM)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)		

Grain Size Analysis (Percent Passing vs Grain Size)





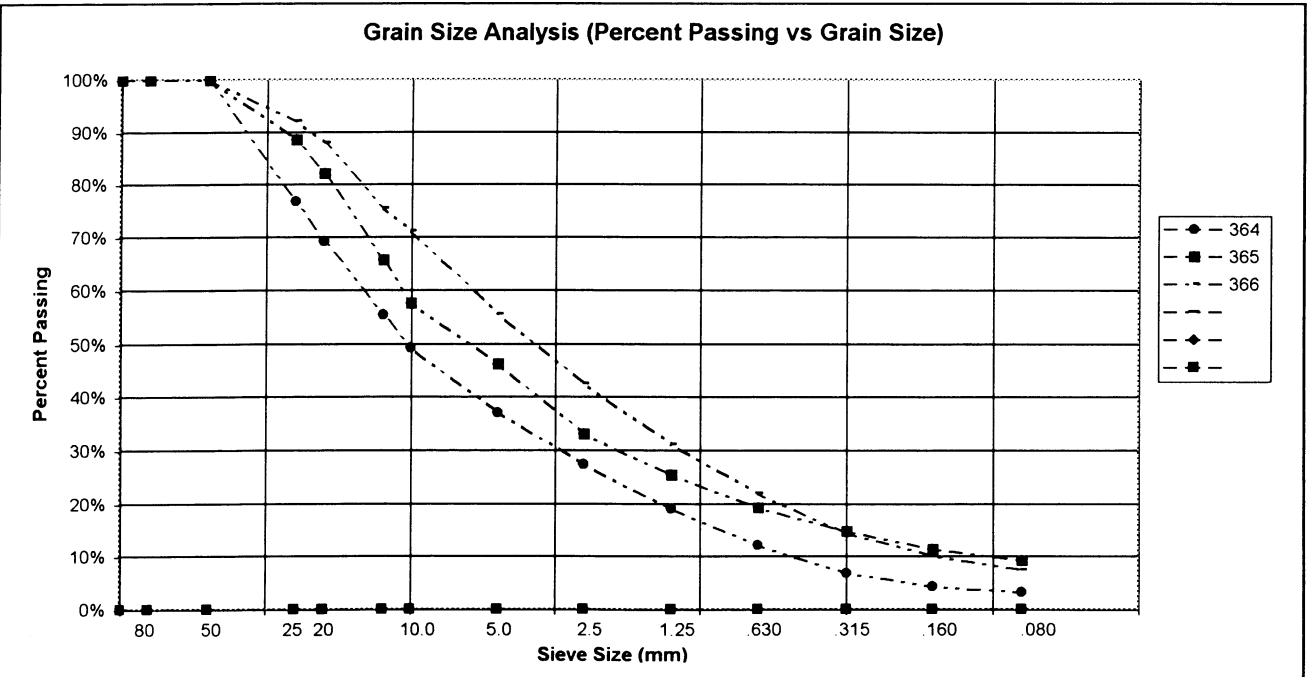
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PROJECT NUMBER: 8002-318	HOLE No.: 30005
CLIENT: YTG, Transportation & Engineering	
PROJECT NAME: Geotechnical Services	
PROJECT LOCATION: Km 1691.7-1717.3	
DRILL UNIT: CME75	
HOLE LOCATION: 643267-6768019	
LOGGED BY: RW	DATE COMP: 08/18/2004

FIELD NO:	364	365	366		
LAB NO:	364	365	366		
DEPTH:	0.3-0.9	1.8-2.4	3.4-4.0		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	77%	89%	92%		
20.0	69%	82%	88%		
12.5	55%	66%	76%		
10.0	49%	58%	71%		
5.0	37%	46%	56%		
2.5	27%	33%	43%		
1.25	19%	26%	31%		
0.630	12%	19%	22%		
0.315	7%	15%	15%		
0.160	4%	11%	10%		
0.080	3%	9%	8%		
M.C.(%):	1%	2%	3%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX:	0.0	0.0	0.0		
% GRAVEL:	63	54	44		
% SAND:	34	37	48		
% FINES:	3	9	8		
CLASSIFICATION	WELL-GRADED GRAVEL WITH SAND (GW)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)		





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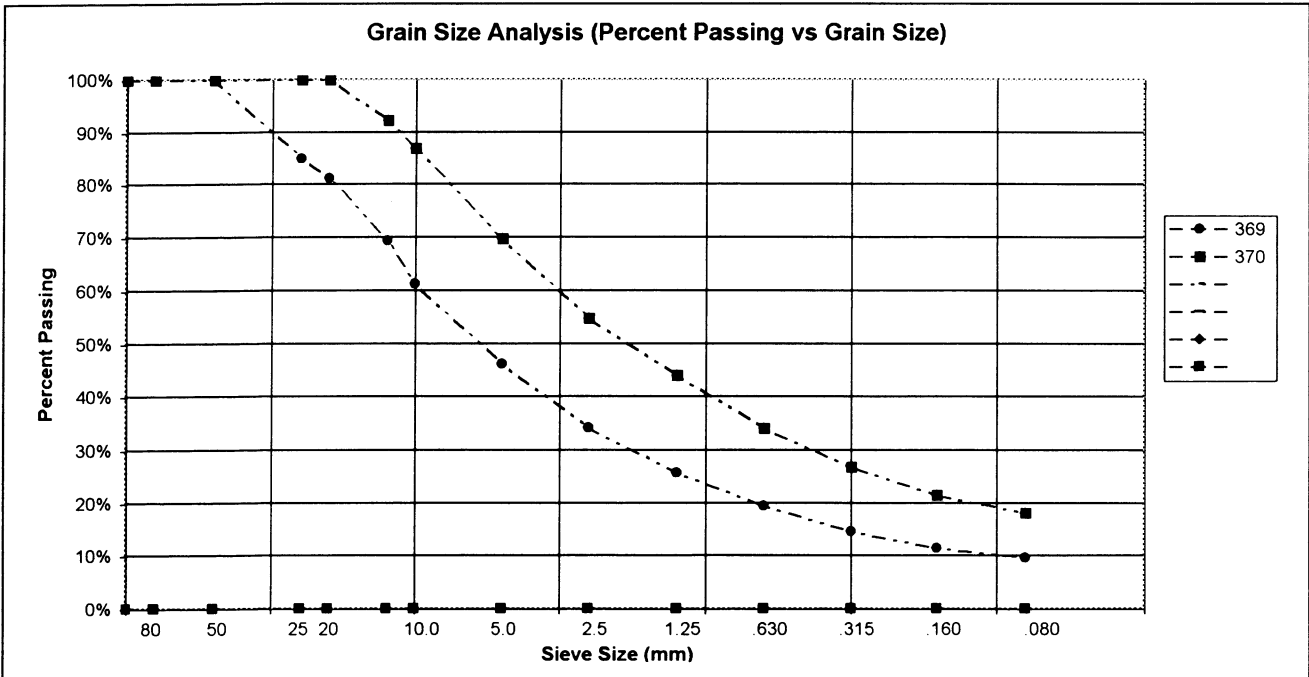


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 642866-6768025
 LOGGED BY: RW

HOLE No.: 30006

DATE COMP: 08/18/2004

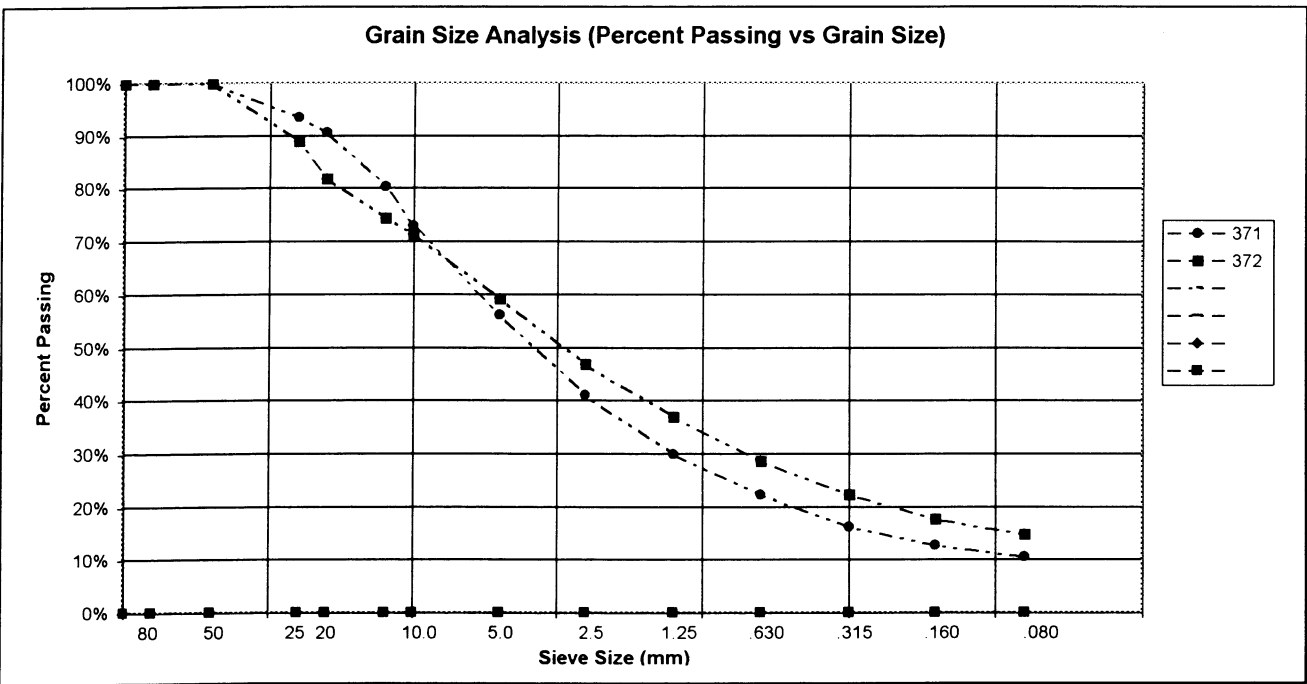
FIELD NO:	369	370			
LAB NO:	369	370			
DEPTH:	0.3-0.9	1.8-2.4			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	85%	100%			
20.0	81%	100%			
12.5	69%	92%			
10.0	61%	87%			
5.0	46%	70%			
2.5	34%	55%			
1.25	26%	44%			
0.630	20%	34%			
0.315	15%	27%			
0.160	11%	22%			
0.080	10%	18%			
M.C.(%)	3%	3%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	54	30			
% SAND:	37	52			
% FINES:	10	18			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	SILTY SAND WITH GRAVEL (SM)			





PROJECT NUMBER: 8002-318 HOLE No.: 30007
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 642664-6768030
 LOGGED BY: RW DATE COMP: 08/18/2004

FIELD NO:	371	372			
LAB NO:	371	372			
DEPTH:	0.3-0.9	1.8-2.4			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	94%	89%			
20.0	91%	82%			
12.5	80%	74%			
10.0	73%	71%			
5.0	56%	59%			
2.5	41%	47%			
1.25	30%	37%			
0.630	22%	29%			
0.315	16%	22%			
0.160	13%	18%			
0.080	11%	15%			
M.C.(%):	2%	3%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	44	41			
% SAND:	46	44			
% FINES:	11	15			
CLASSIFICATION	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILTY SAND WITH GRAVEL (SM)			





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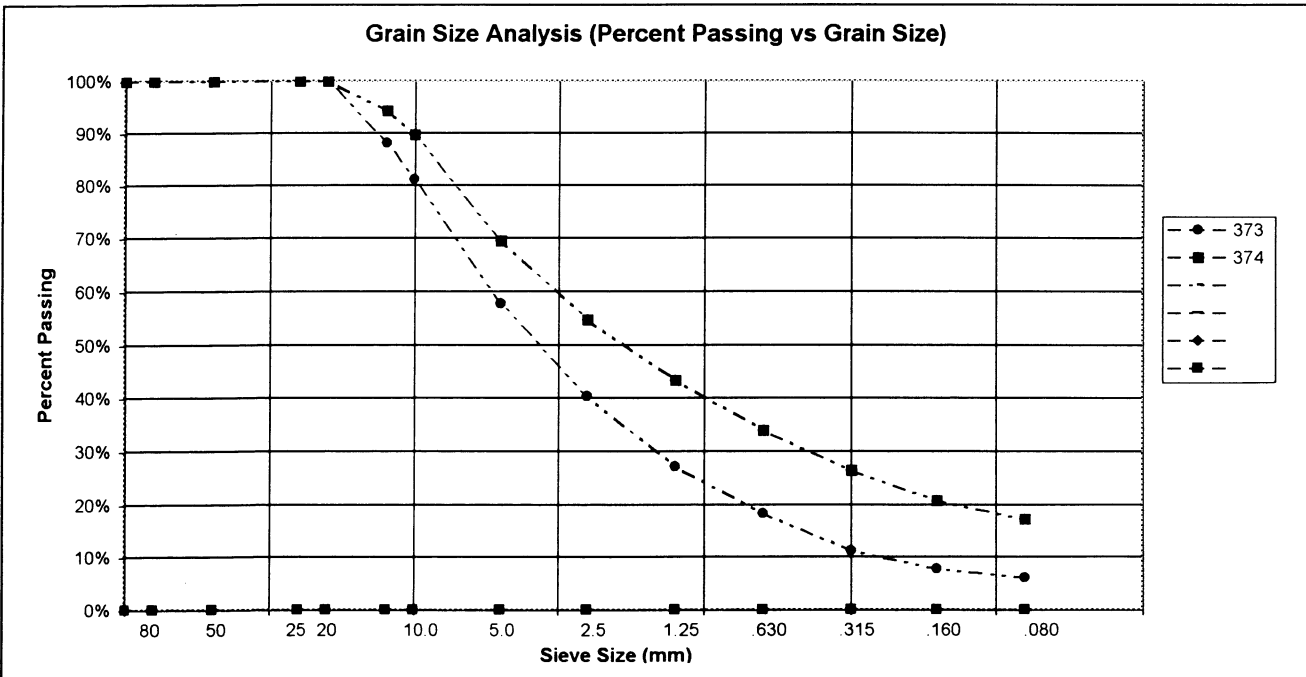


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 642463-6768033
 LOGGED BY: RW

HOLE No.: 30008

DATE COMP: 08/18/2004

FIELD NO:	373	374			
LAB NO:	373	374			
DEPTH:	0.3-0.9	1.8-2.4			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	100%	100%			
20.0	100%	100%			
12.5	88%	94%			
10.0	81%	90%			
5.0	58%	70%			
2.5	40%	55%			
1.25	27%	43%			
0.630	18%	34%			
0.315	11%	26%			
0.160	8%	21%			
0.080	6%	17%			
M.C.(%):	2%	2%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0			
% GRAVEL:	42	30			
% SAND:	52	52			
% FINES:	6	17			
CLASSIFICATION	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILTY SAND WITH GRAVEL (SM)			





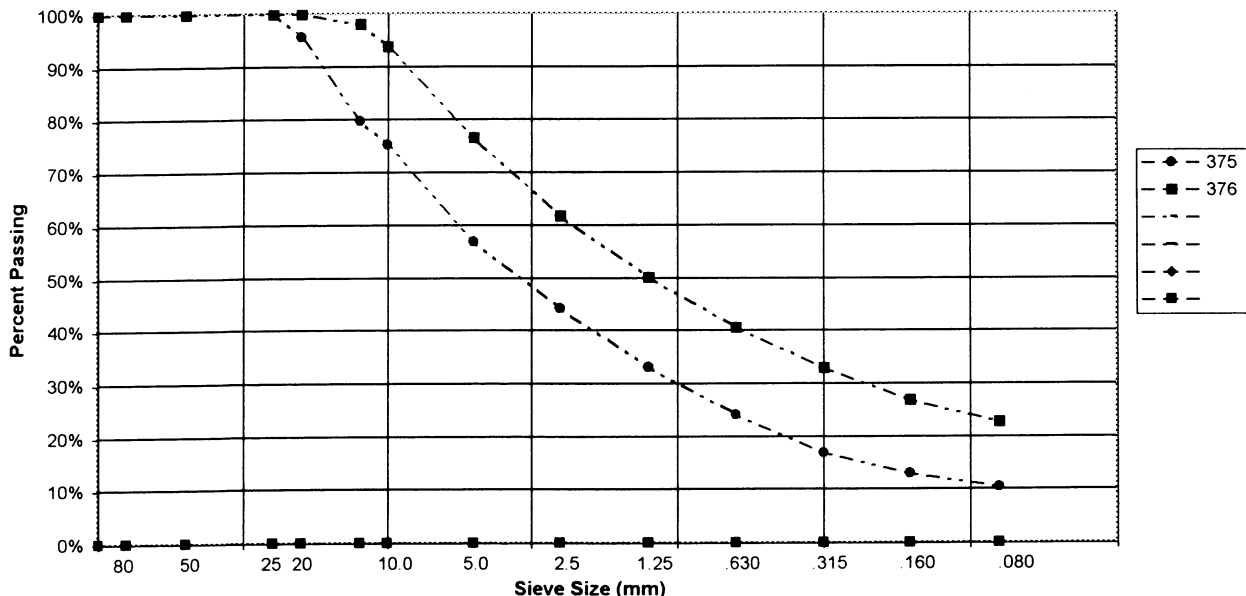
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 642265-6768038
 LOGGED BY: RW

HOLE No.: 30009

DATE COMP: 08/18/2004

FIELD NO:	375	376			
LAB NO:	375	376			
DEPTH:	0.3-0.9	1.8-2.4			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	100%	100%			
20.0	96%	100%			
12.5	80%	98%			
10.0	75%	94%			
5.0	57%	77%			
2.5	44%	62%			
1.25	33%	50%			
0.630	24%	41%			
0.315	17%	33%			
0.160	13%	27%			
0.080	11%	23%			
M.C.(%)	3%	4%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	43	23			
% SAND:	46	54			
% FINES:	11	23			
CLASSIFICATION	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILTY SAND WITH GRAVEL (SM)			

Grain Size Analysis (Percent Passing vs Grain Size)



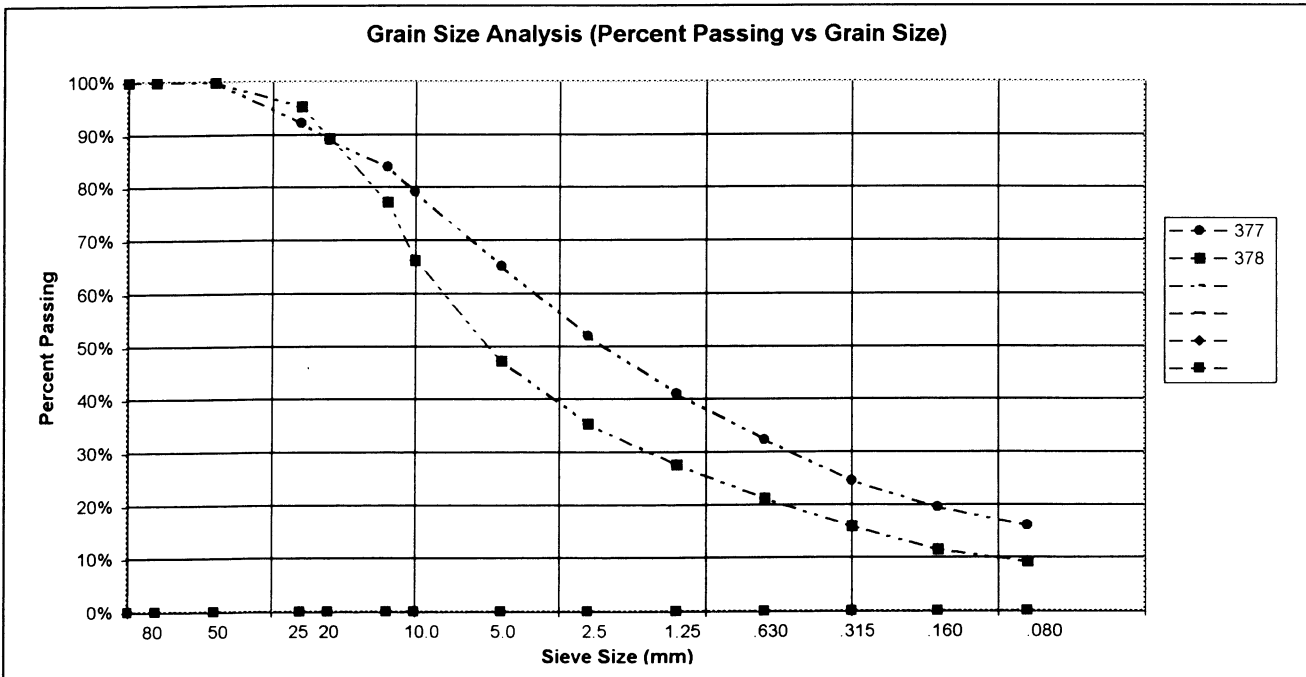


PROJECT NUMBER: 8002-318
CLIENT: YTG, Transportation & Engineering
PROJECT NAME: Geotechnical Services
PROJECT LOCATION: Km 1691.7-1717.3
DRILL UNIT: CME75
HOLE LOCATION: 642066-6768040
LOGGED BY: RW

HOLE No.: 30010

DATE COMP: 08/18/2004

Table with columns for Field No., Lab No., Depth, Type, Sieve Size, Percent Passing, and Classification. It compares data for two samples, 377 and 378, across various sieve sizes and soil properties like M.C., Liquid Limit, Plastic Limit, and soil composition.





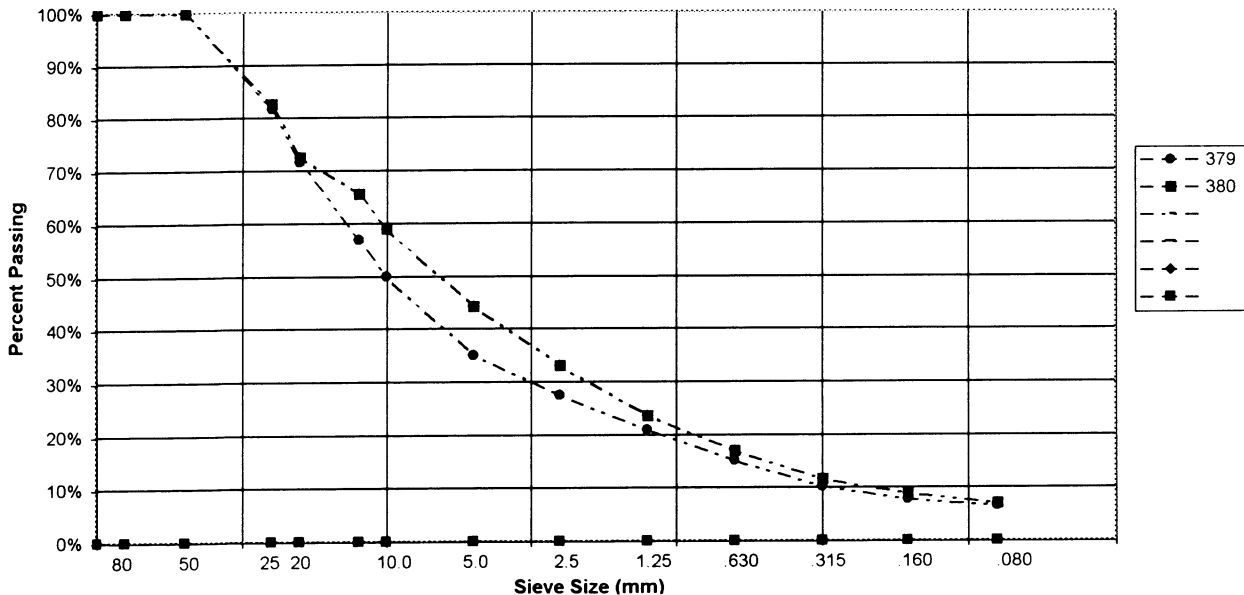
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 641865-6768044
 LOGGED BY: RW

HOLE No.: 30011

DATE COMP: 08/18/2004

FIELD NO:	379	380			
LAB NO:	379	380			
DEPTH:	0.3-0.9	2.1-2.7			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	82%	83%			
20.0	72%	73%			
12.5	57%	66%			
10.0	50%	59%			
5.0	35%	44%			
2.5	28%	33%			
1.25	21%	24%			
0.630	15%	17%			
0.315	10%	12%			
0.160	8%	9%			
0.080	7%	7%			
M.C.(%)	3%	3%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	65	56			
% SAND:	28	37			
% FINES:	7	7			
CLASSIFICATION	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM)	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM)			

Grain Size Analysis (Percent Passing vs Grain Size)





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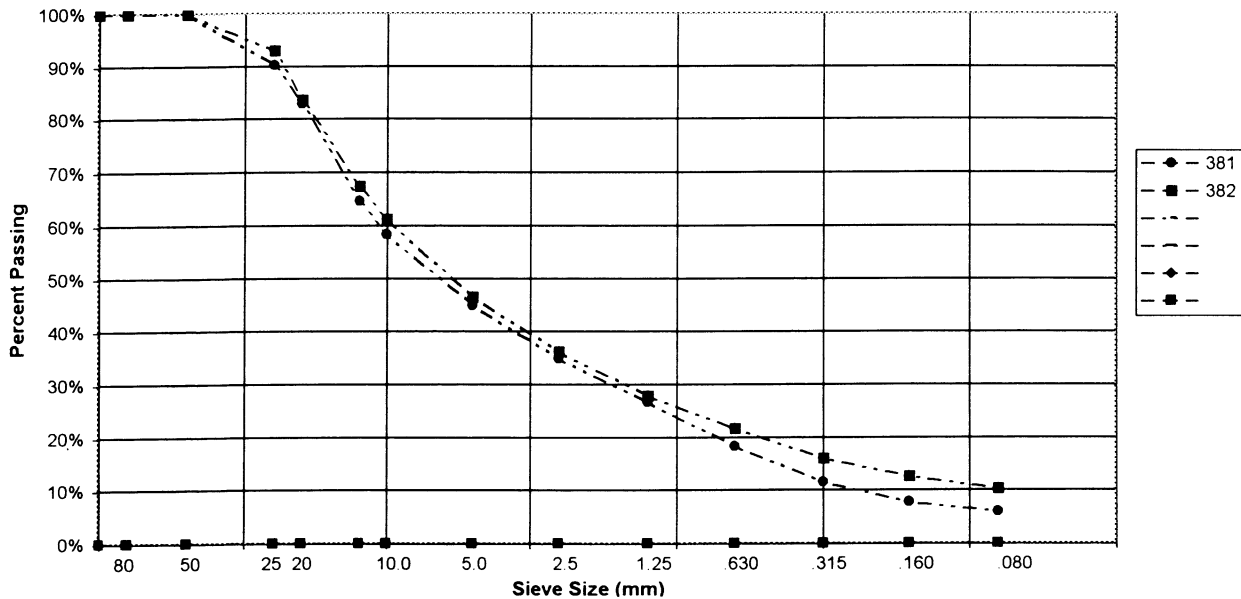
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 641666-6768049
 LOGGED BY: RW

HOLE No.: 30012

DATE COMP: 08/18/2004

FIELD NO:	381	382			
LAB NO:	381	382			
DEPTH:	0.3-0.9	1.8-2.4			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	90%	93%			
20.0	83%	84%			
12.5	65%	67%			
10.0	58%	61%			
5.0	45%	47%			
2.5	35%	36%			
1.25	27%	28%			
0.630	18%	22%			
0.315	12%	16%			
0.160	8%	13%			
0.080	6%	10%			
M.C.(%)	2%	3%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	55	53			
% SAND:	39	36			
% FINES:	6	10			
CLASSIFICATION	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)			

Grain Size Analysis (Percent Passing vs Grain Size)





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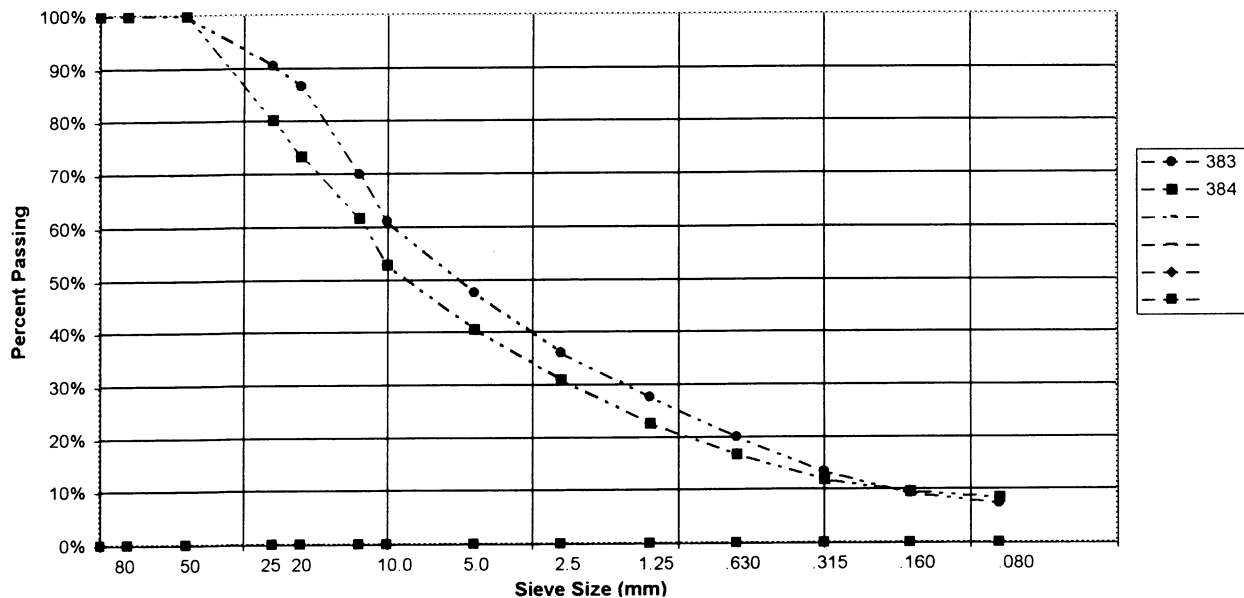
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 641469-6768054
 LOGGED BY: RW

HOLE No.: 30013

DATE COMP: 08/18/2004

FIELD NO:	383	384			
LAB NO:	383	384			
DEPTH:	0.5-1.0	2.1-2.7			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	91%	80%			
20.0	87%	73%			
12.5	70%	62%			
10.0	61%	53%			
5.0	48%	41%			
2.5	36%	31%			
1.25	28%	23%			
0.630	20%	17%			
0.315	13%	12%			
0.160	9%	10%			
0.080	7%	8%			
M.C.(%)	2%	3%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0			
% GRAVEL:	52	59			
% SAND:	40	32			
% FINES:	7	8			
CLASSIFICATION	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM)	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM)			

Grain Size Analysis (Percent Passing vs Grain Size)





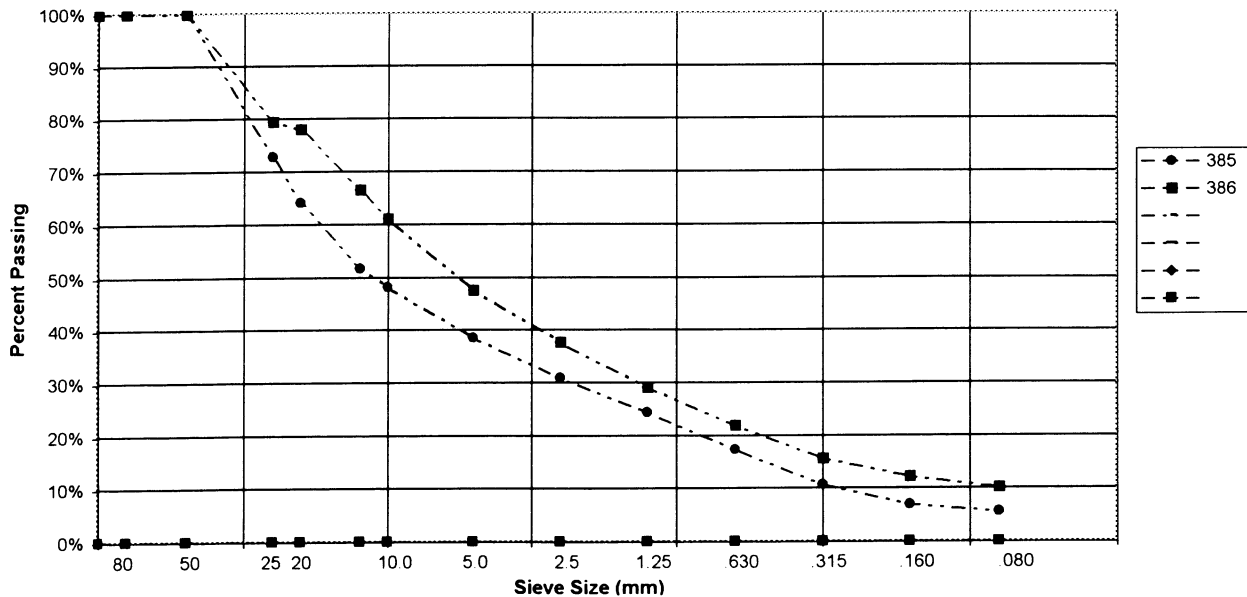
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 641287-6768036
 LOGGED BY: RW

HOLE No.: 30014

DATE COMP: 08/18/2004

FIELD NO:	385	386			
LAB NO:	385	386			
DEPTH:	0.3-0.9	1.8-2.4			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	73%	80%			
20.0	64%	78%			
12.5	52%	67%			
10.0	48%	61%			
5.0	39%	48%			
2.5	31%	38%			
1.25	24%	29%			
0.630	17%	22%			
0.315	11%	16%			
0.160	7%	12%			
0.080	6%	10%			
M.C.(%)	2%	3%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	61	52			
% SAND:	33	37			
% FINES:	6	10			
CLASSIFICATION	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)			

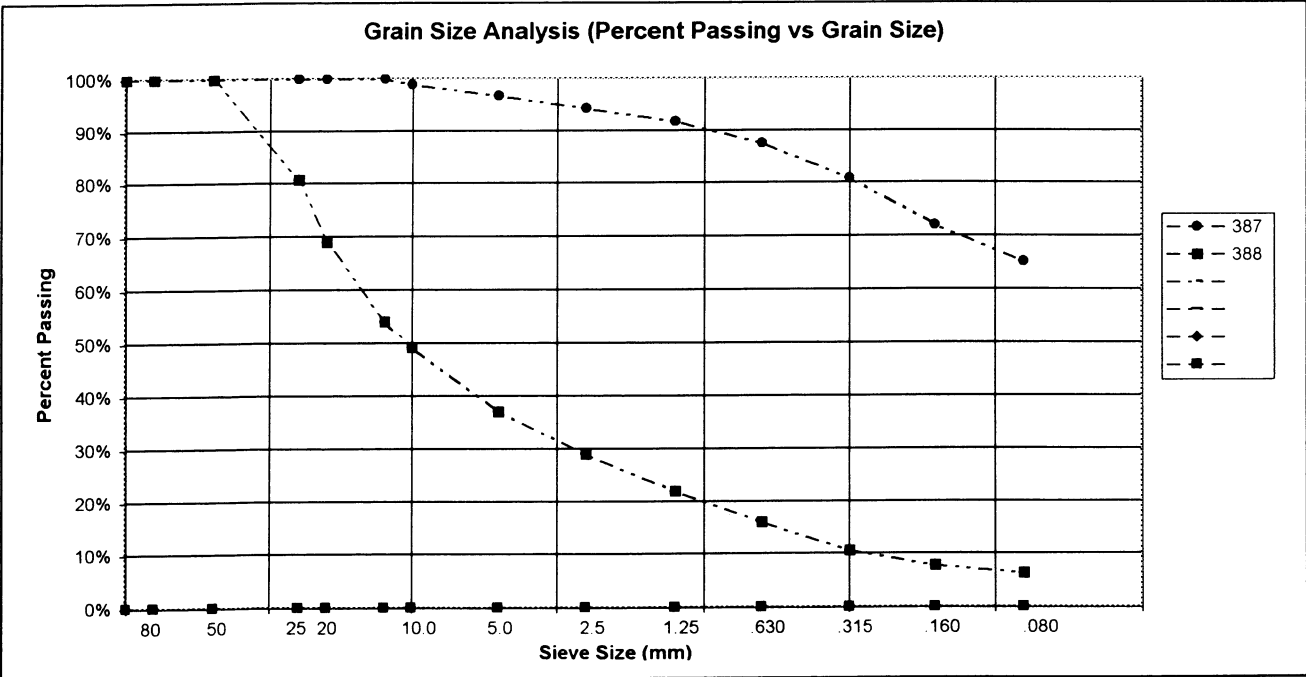
Grain Size Analysis (Percent Passing vs Grain Size)





PROJECT NUMBER: 8002-318 HOLE No.: 30015
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 641051-6767939
 LOGGED BY: RW DATE COMP: 08/18/2004

FIELD NO:	387	388			
LAB NO:	387	388			
DEPTH:	0.3-0.8	1.8-2.4			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	100%	81%			
20.0	100%	69%			
12.5	100%	54%			
10.0	99%	49%			
5.0	97%	37%			
2.5	94%	29%			
1.25	92%	22%			
0.630	88%	16%			
0.315	81%	11%			
0.160	72%	8%			
0.080	65%	6%			
M.C.(%):	43%	3%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	3	63			
% SAND:	32	31			
% FINES:	65	6			
CLASSIFICATION	SANDY SILT (ML)	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM)			





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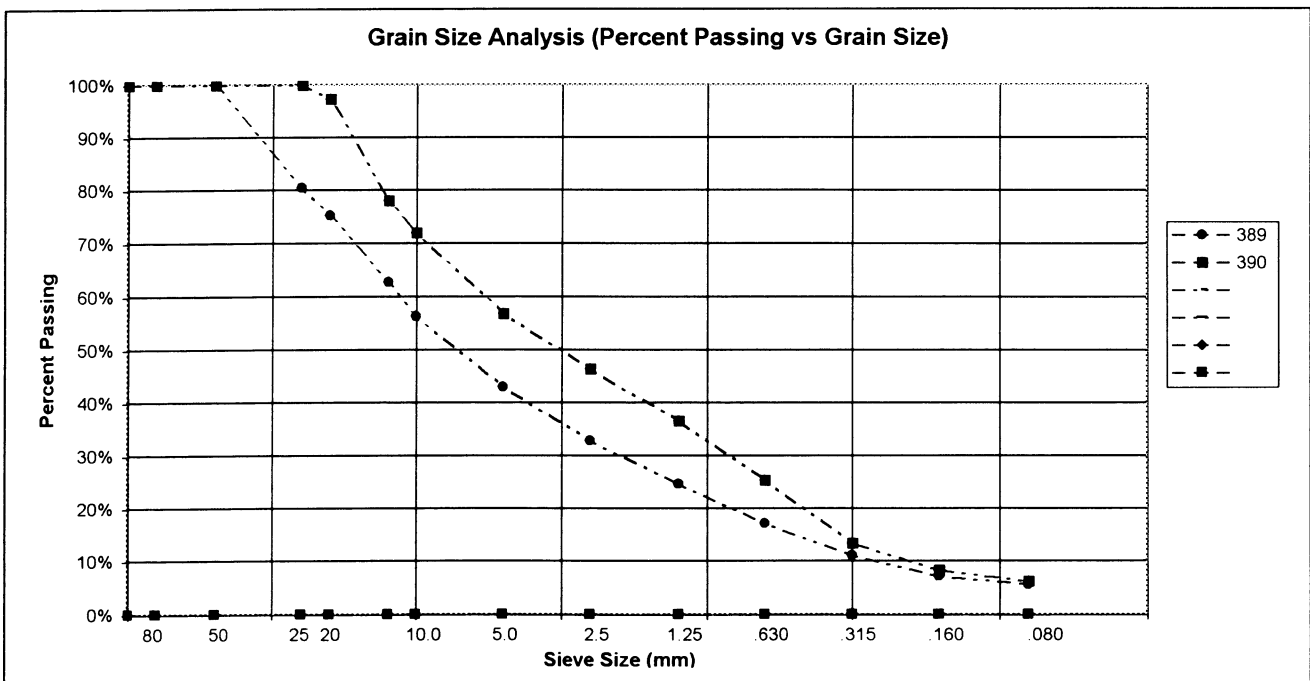


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 641012-6767966
 LOGGED BY: RW

HOLE No.: 30016

DATE COMP: 08/18/2004

FIELD NO:	389	390			
LAB NO:	389	390			
DEPTH:	0.0-0.4	2.1-2.4			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	80%	100%			
20.0	75%	97%			
12.5	63%	78%			
10.0	56%	72%			
5.0	43%	57%			
2.5	33%	46%			
1.25	25%	37%			
0.630	17%	25%			
0.315	11%	13%			
0.160	7%	8%			
0.080	6%	6%			
M.C.(%):	3%	5%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0			
% GRAVEL:	57	43			
% SAND:	37	50			
% FINES:	6	6			
CLASSIFICATION	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)			





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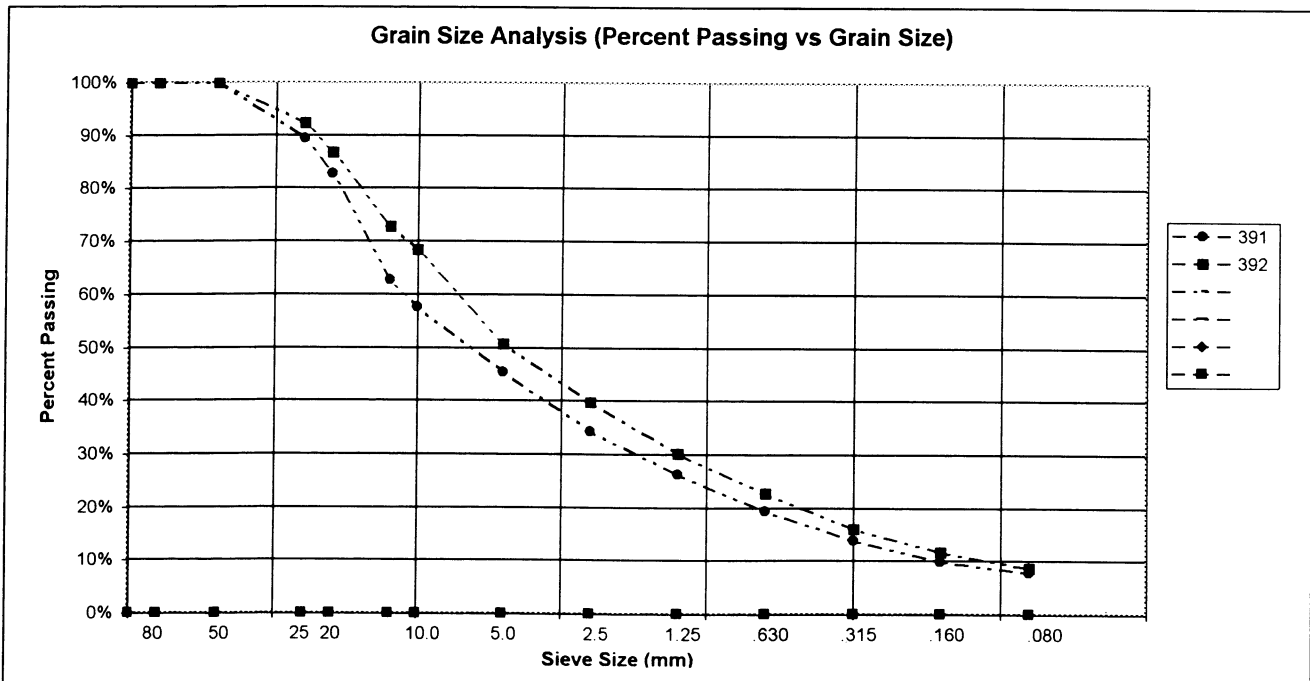


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 640871-6767834
 LOGGED BY: RW

HOLE No.: 30017

DATE COMP: 08/18/2004

FIELD NO:	391	392			
LAB NO:	391	392			
DEPTH:	0.3-0.9	1.8-2.4			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	89%	92%			
20.0	83%	87%			
12.5	63%	73%			
10.0	58%	69%			
5.0	45%	51%			
2.5	34%	40%			
1.25	26%	30%			
0.630	19%	23%			
0.315	14%	16%			
0.160	10%	12%			
0.080	8%	9%			
M.C.(%):	2%	3%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0			
% GRAVEL:	55	49			
% SAND:	38	42			
% FINES:	8	9			
CLASSIFICATION	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)			



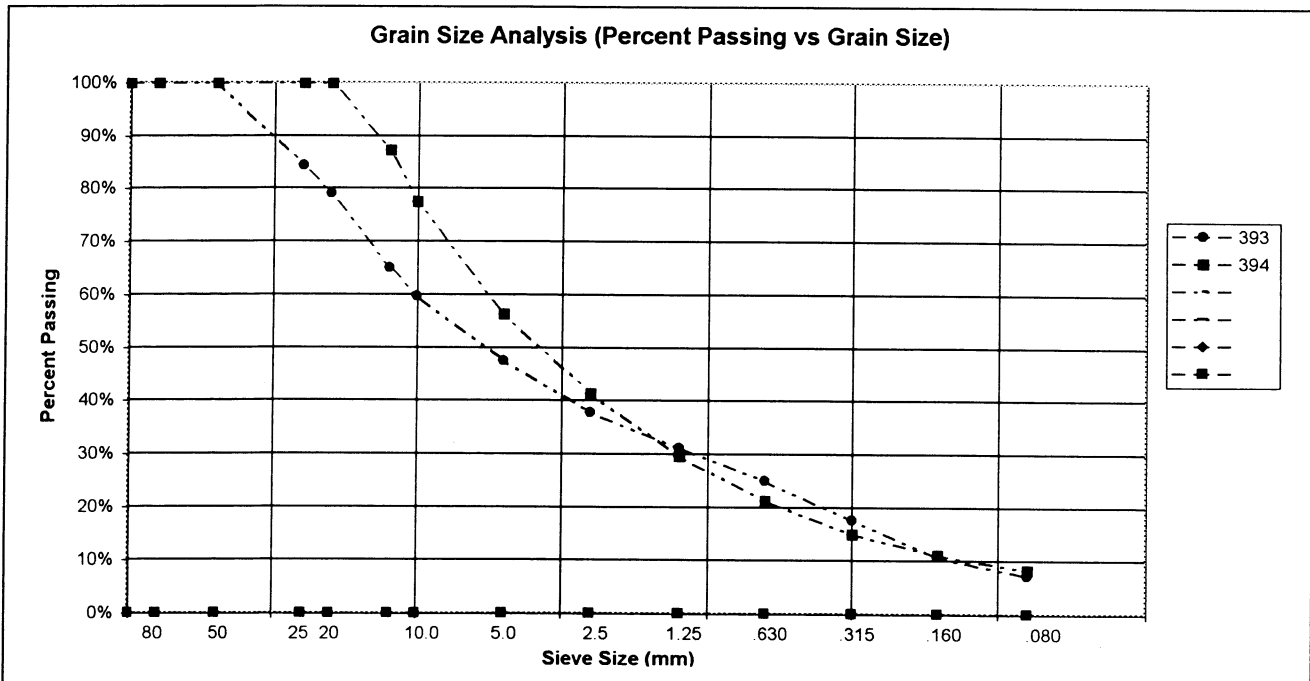


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 640691-6767697
 LOGGED BY: RW

HOLE No.: 30018

DATE COMP: 08/18/2004

FIELD NO:	393	394			
LAB NO:	393	394			
DEPTH:	0.3-0.9	2.1-2.7			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	84%	100%			
20.0	79%	100%			
12.5	65%	87%			
10.0	60%	78%			
5.0	48%	56%			
2.5	38%	41%			
1.25	31%	30%			
0.630	25%	21%			
0.315	18%	15%			
0.160	11%	11%			
0.080	7%	8%			
M.C.(%):	1%	3%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0			
% GRAVEL:	52	44			
% SAND:	40	48			
% FINES:	7	8			
CLASSIFICATION	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)			





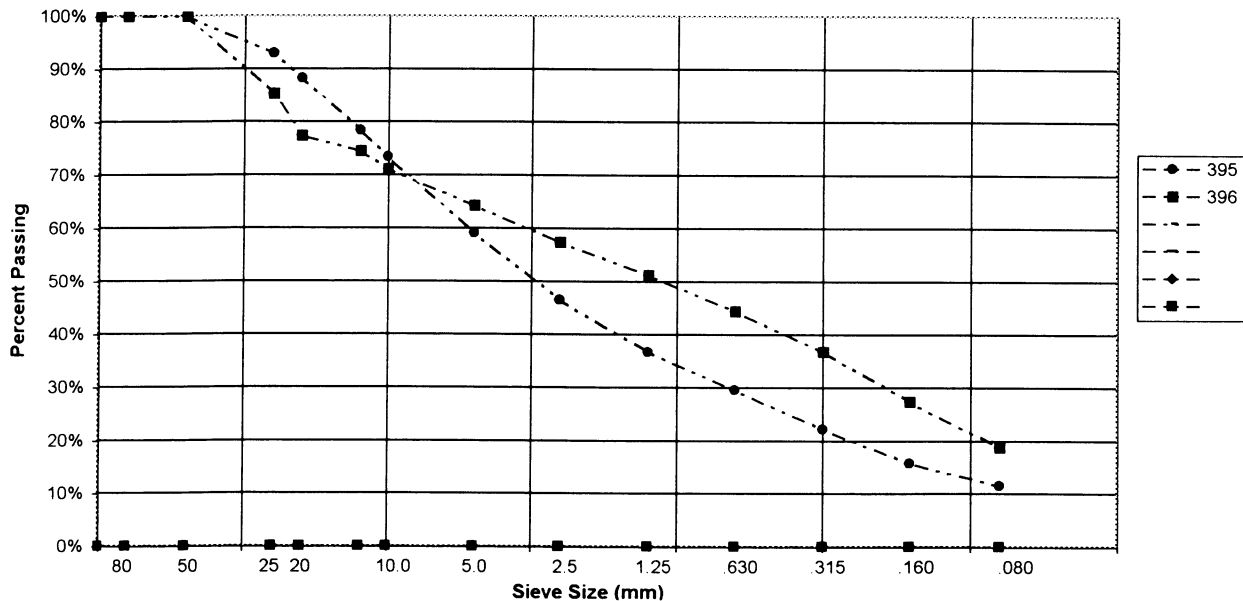
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 640524-6767579
 LOGGED BY: RW

HOLE No.: 30019

DATE COMP: 08/18/2004

FIELD NO:	395	396			
LAB NO:	395	396			
DEPTH:	0.3-0.9	2.1-2.7			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	93%	85%			
20.0	88%	77%			
12.5	78%	75%			
10.0	74%	71%			
5.0	59%	64%			
2.5	47%	57%			
1.25	37%	51%			
0.630	30%	44%			
0.315	22%	37%			
0.160	16%	27%			
0.080	12%	19%			
M.C.(%):	5%	8%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0			
% GRAVEL:	41	36			
% SAND:	48	45			
% FINES:	12	19			
CLASSIFICATION	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILTY SAND WITH GRAVEL (SM)			

Grain Size Analysis (Percent Passing vs Grain Size)



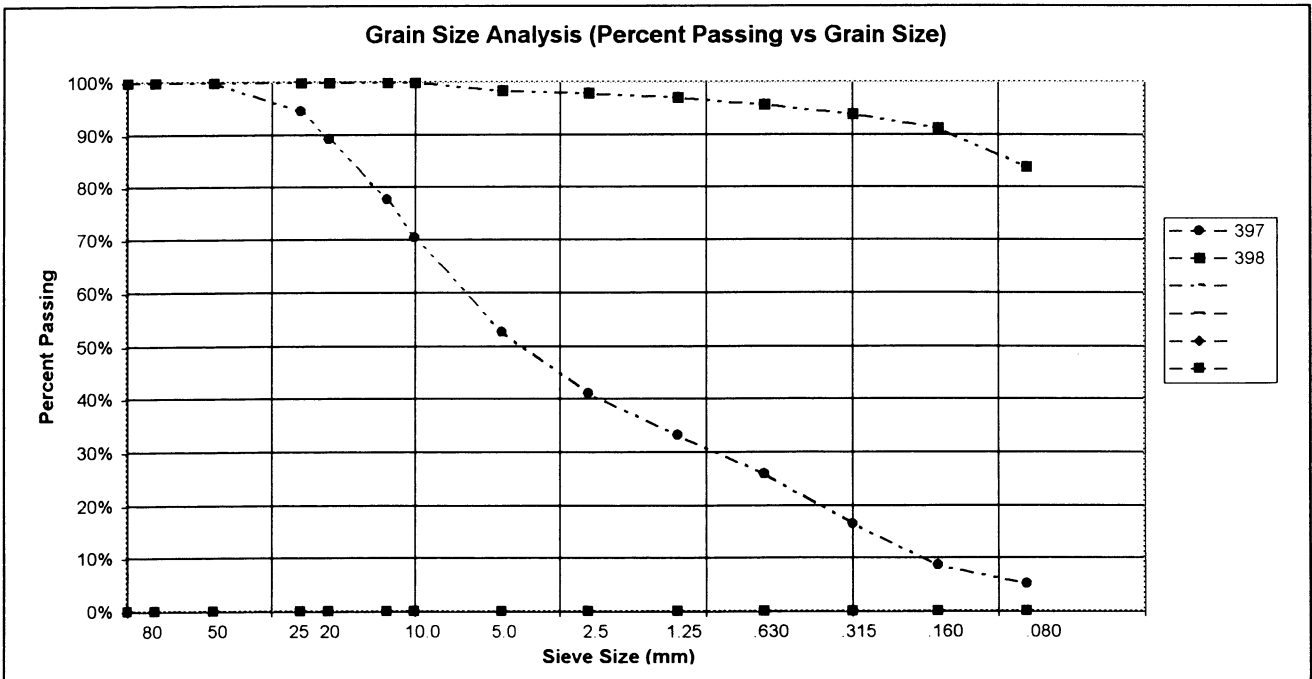


PROJECT NUMBER: 8002-318
CLIENT: YTG, Transportation & Engineering
PROJECT NAME: Geotechnical Services
PROJECT LOCATION: Km 1691.7-1717.3
DRILL UNIT: CME75
HOLE LOCATION: 640351-6767452
LOGGED BY: RW

HOLE No.: 30020

DATE COMP: 08/18/2004

Table with 6 columns and multiple rows. Rows include field/lab numbers, depths, sieve sizes, percent passing, M.C. (%), liquid/plastic limits, and classification (WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM) and SILT WITH SAND (ML)).





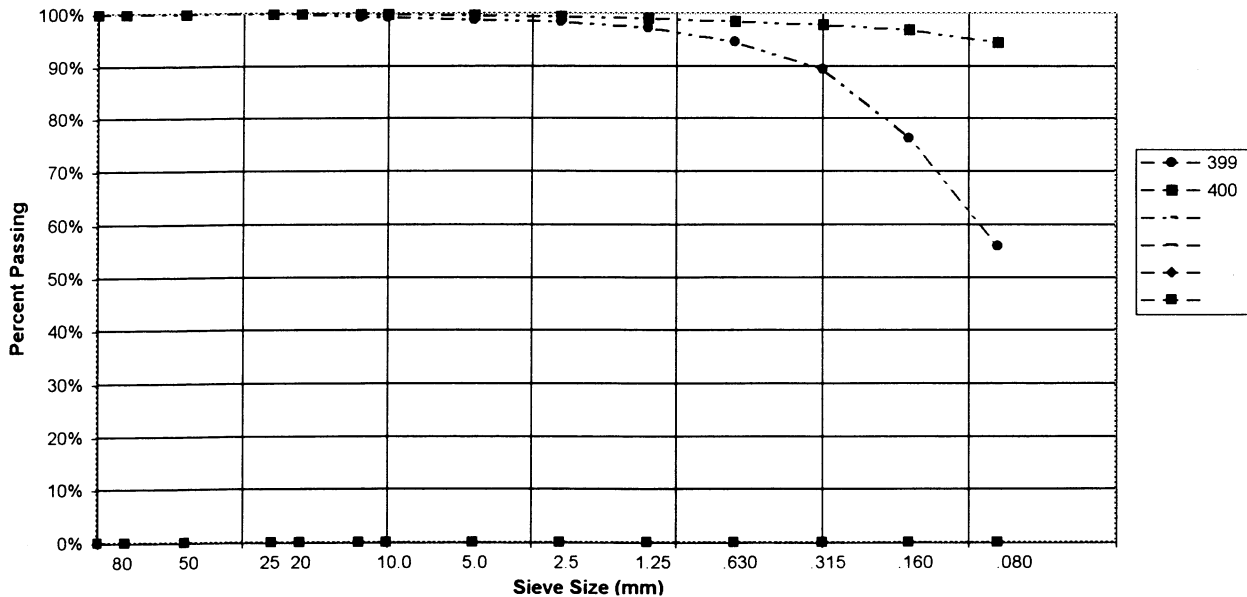
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 640194-6767340
 LOGGED BY: RW

HOLE No.: 30021

DATE COMP: 08/18/2004

FIELD NO:	399	400			
LAB NO:	399	400			
DEPTH:	0.3-0.9	2.1-2.7			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	100%	100%			
20.0	100%	100%			
12.5	99%	100%			
10.0	99%	100%			
5.0	99%	100%			
2.5	99%	100%			
1.25	97%	99%			
0.630	95%	99%			
0.315	89%	98%			
0.160	76%	97%			
0.080	56%	95%			
M.C.(%):	35%	38%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	1	0			
% SAND:	43	5			
% FINES:	56	95			
CLASSIFICATION	SANDY SILT (ML)	SILT (ML)			

Grain Size Analysis (Percent Passing vs Grain Size)





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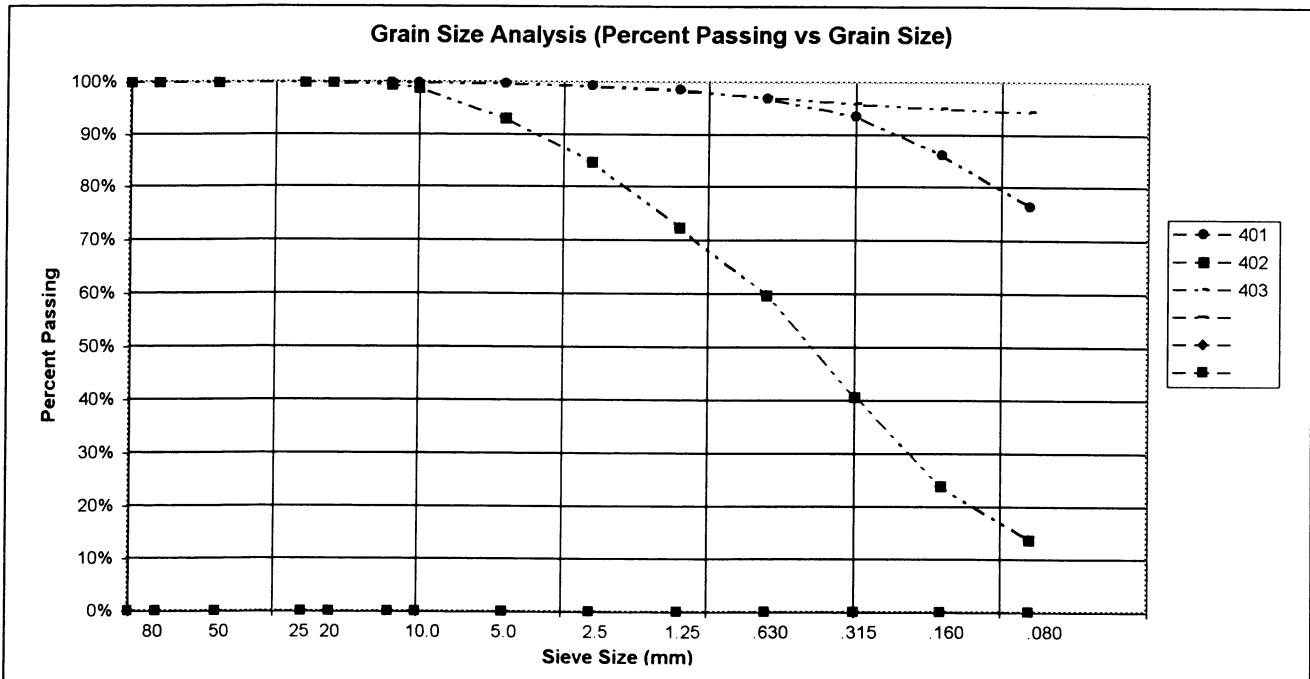


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 640041-6767232
 LOGGED BY: RW

HOLE No.: 30022

DATE COMP: 08/18/2004

FIELD NO:	401	402	403			
LAB NO:	401	402	403			
DEPTH:	0.5-1.0	1.5-2.1	2.6-2.9			
TYPE:	AUGER	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%	100%			
80.0	100%	100%	100%			
50.0	100%	100%	100%			
25.0	100%	100%	100%			
20.0	100%	100%	100%			
12.5	100%	100%	100%			
10.0	100%	99%	100%			
5.0	100%	93%	100%			
2.5	99%	85%	99%			
1.25	99%	72%	98%			
0.630	97%	60%	97%			
0.315	94%	41%	96%			
0.160	86%	24%	95%			
0.080	76%	14%	94%			
M.C.(%):	30%	14%	40%			
LIQUID LIMIT:	0.0	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0	0.0			
% GRAVEL:	0	7	0			
% SAND:	23	79	5			
% FINES:	76	14	94			
CLASSIFICATION	SILT WITH SAND (ML)	SILTY SAND (SM)	SILT (ML)			





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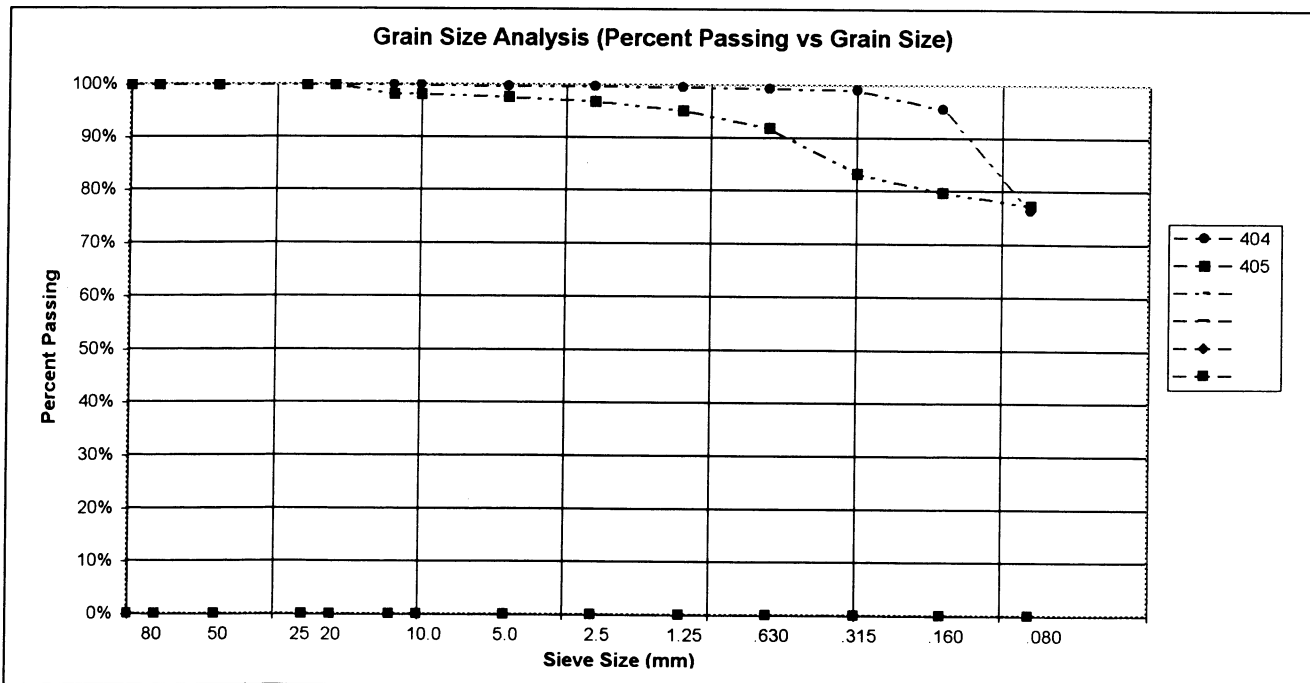


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 639890-6767125
 LOGGED BY: RW

HOLE No.: 30023

DATE COMP: 08/18/2004

FIELD NO:	404	405			
LAB NO:	404	405			
DEPTH:	0.3-0.9	1.2-1.8			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	100%	100%			
20.0	100%	100%			
12.5	100%	98%			
10.0	100%	98%			
5.0	100%	98%			
2.5	100%	97%			
1.25	100%	95%			
0.630	99%	92%			
0.315	99%	83%			
0.160	95%	80%			
0.080	76%	77%			
M.C.(%):	29%	35%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0			
% GRAVEL:	0	2			
% SAND:	23	20			
% FINES:	76	77			
CLASSIFICATION	SILT WITH SAND (ML)	SILT WITH SAND (ML)			



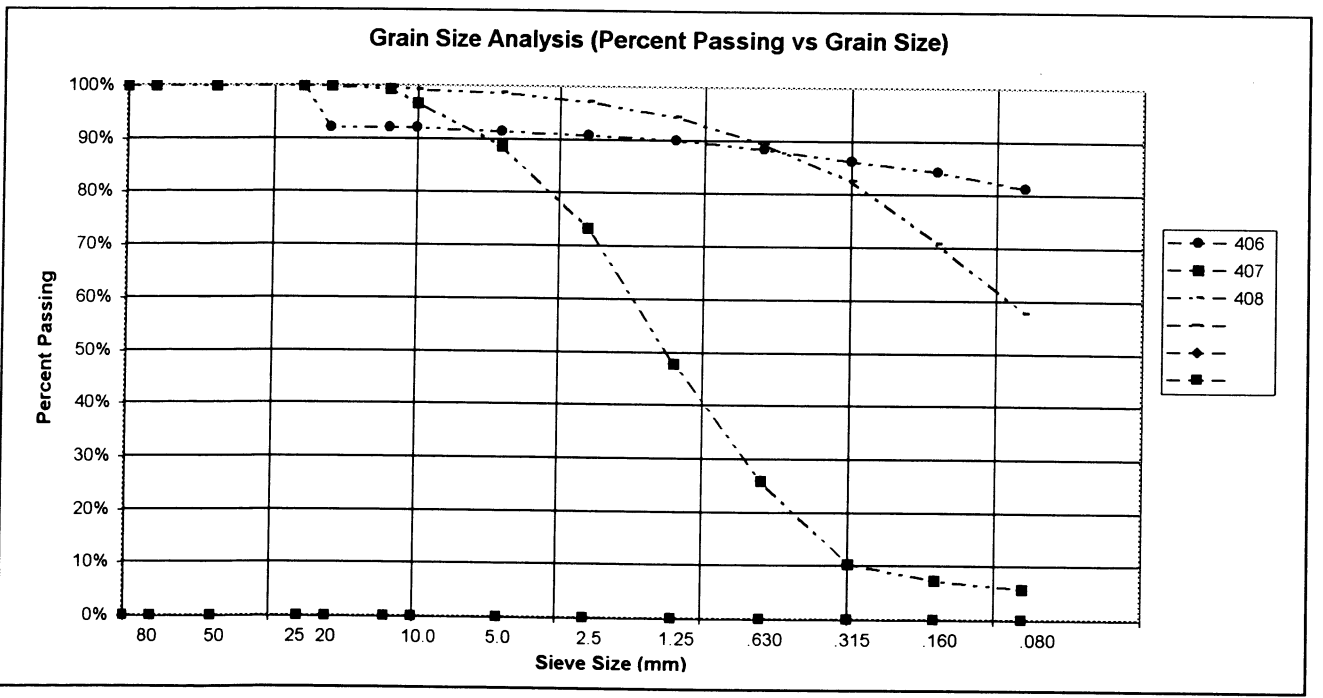


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 639688-6766983
 LOGGED BY: RW

HOLE No.: 30024

DATE COMP: 08/18/2004

FIELD NO:	406	407	408		
LAB NO:	406	407	408		
DEPTH:	0.3-0.9	1.5-2.1	2.1-2.7		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	100%	100%	100%		
20.0	92%	100%	100%		
12.5	92%	99%	100%		
10.0	92%	97%	99%		
5.0	92%	89%	99%		
2.5	91%	73%	97%		
1.25	90%	48%	94%		
0.630	88%	26%	89%		
0.315	86%	10%	83%		
0.160	84%	7%	71%		
0.080	81%	6%	58%		
M.C.(%)	37%	13%	28%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0		
% GRAVEL:	8	11	1		
% SAND:	10	83	41		
% FINES:	81	6	58		
CLASSIFICATION	SILT WITH SAND (ML)	WELL-GRADED SAND WITH SILT (SW-SM)	SANDY SILT (ML)		





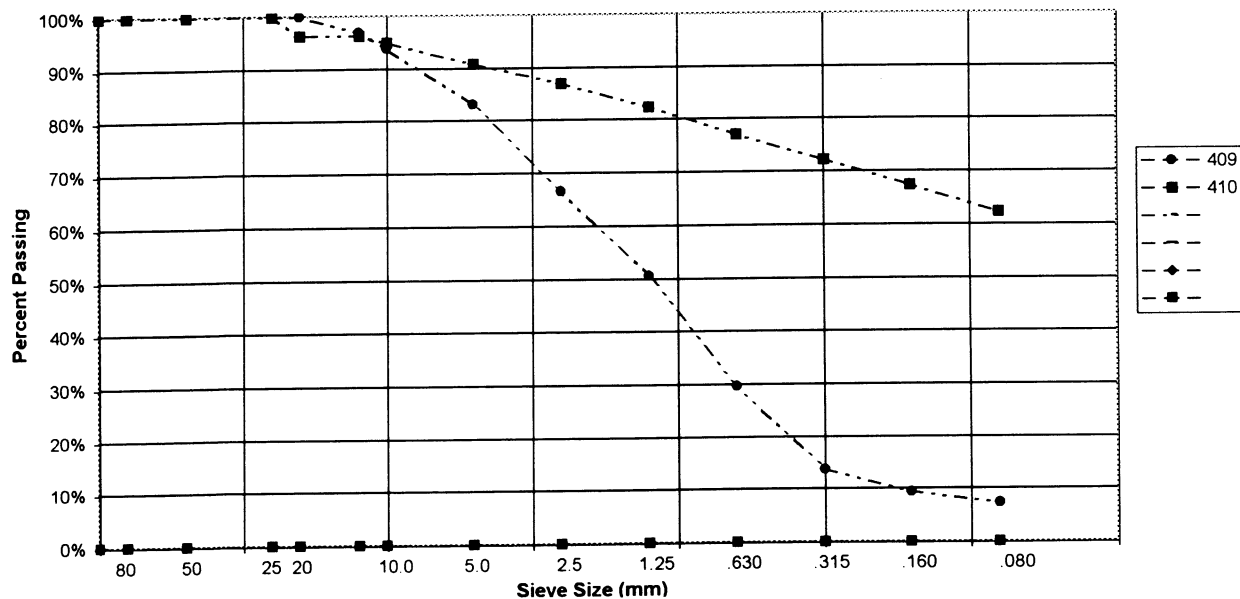
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 639558-6766885
 LOGGED BY: RW

HOLE No.: 30025

DATE COMP: 08/18/2004

FIELD NO:	409	410			
LAB NO:	409	410			
DEPTH:	0.3-0.9	1.8-2.4			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	100%	100%			
20.0	100%	96%			
12.5	97%	96%			
10.0	94%	95%			
5.0	83%	91%			
2.5	67%	87%			
1.25	51%	82%			
0.630	30%	77%			
0.315	14%	72%			
0.160	9%	68%			
0.080	7%	62%			
M.C.(%)	2%	26%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	17	9			
% SAND:	76	28			
% FINES:	7	62			
CLASSIFICATION	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SANDY SILT (ML)			

Grain Size Analysis (Percent Passing vs Grain Size)





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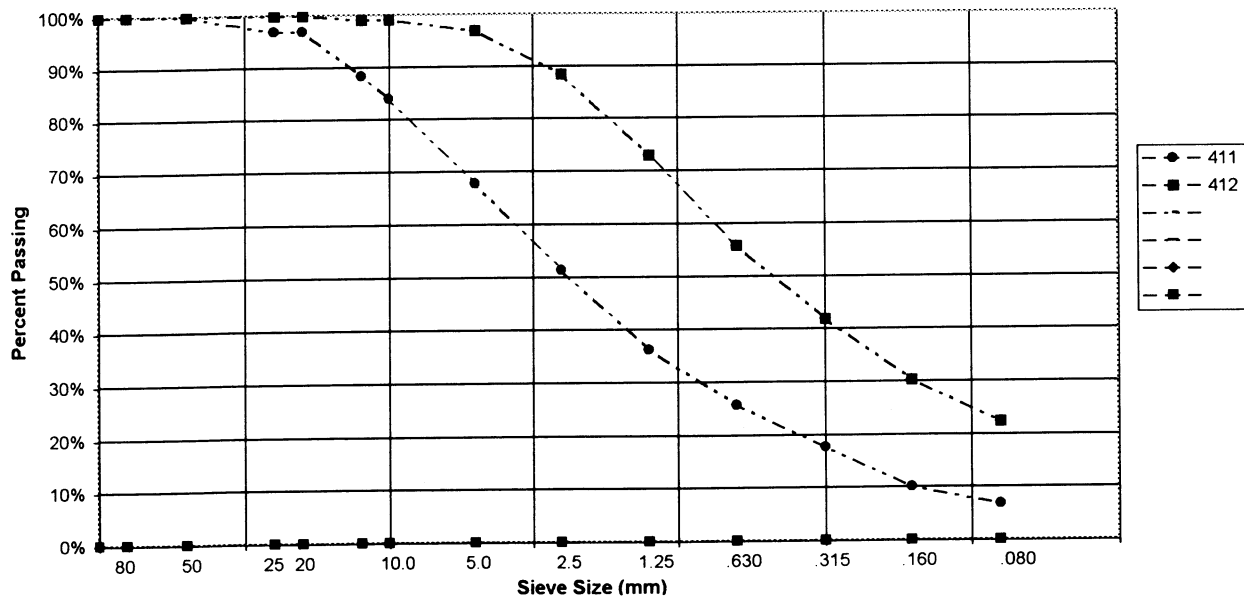
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 639356-6766769
 LOGGED BY: RW

HOLE No.: 30026

DATE COMP: 08/18/2004

FIELD NO:	411	412			
LAB NO:	411	412			
DEPTH:	0.3-0.9	2.1-2.7			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	97%	100%			
20.0	97%	100%			
12.5	88%	99%			
10.0	84%	99%			
5.0	68%	97%			
2.5	51%	89%			
1.25	36%	73%			
0.630	26%	56%			
0.315	18%	42%			
0.160	10%	30%			
0.080	7%	23%			
M.C.(%)	2%	4%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	32	3			
% SAND:	61	74			
% FINES:	7	23			
CLASSIFICATION	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILTY SAND (SM)			

Grain Size Analysis (Percent Passing vs Grain Size)





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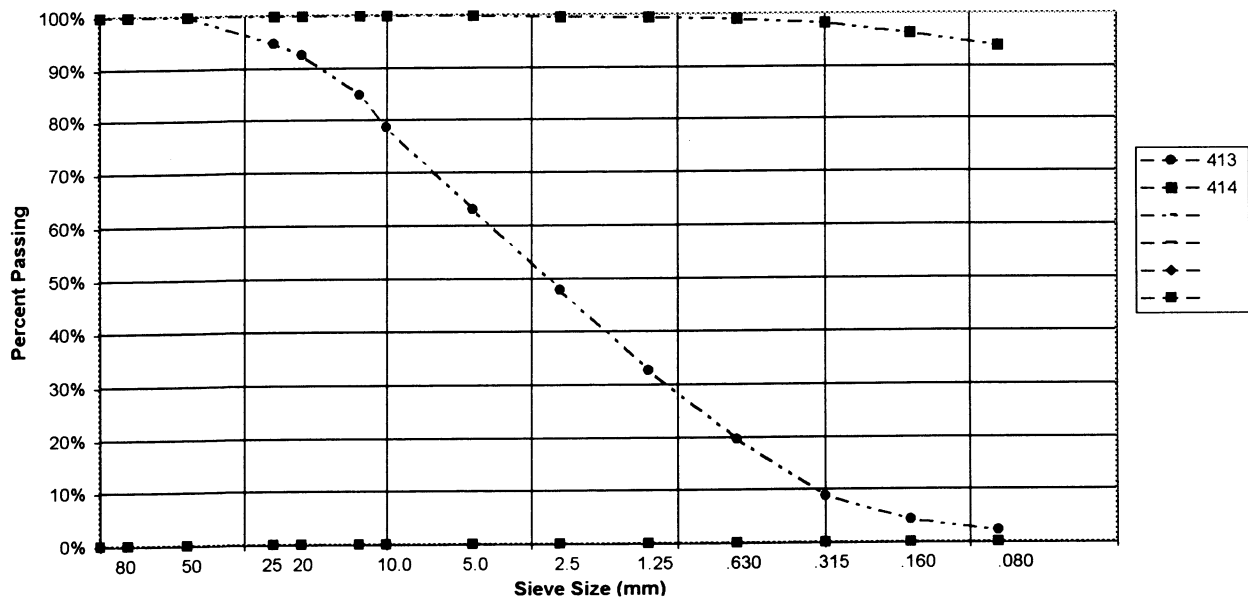
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 639213-6766735
 LOGGED BY: RW

HOLE No.: 30027

DATE COMP: 08/19/2004

FIELD NO:	413	414			
LAB NO:	413	414			
DEPTH:	0.1-0.6	1.8-2.4			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	95%	100%			
20.0	93%	100%			
12.5	85%	100%			
10.0	79%	100%			
5.0	63%	100%			
2.5	48%	100%			
1.25	33%	99%			
0.630	20%	99%			
0.315	9%	98%			
0.160	4%	96%			
0.080	2%	94%			
M.C.(%)	9%	39%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0			
% GRAVEL:	37	0			
% SAND:	61	6			
% FINES:	2	94			
CLASSIFICATION	WELL-GRADED SAND WITH GRAVEL (SW)	SILT (ML)			

Grain Size Analysis (Percent Passing vs Grain Size)



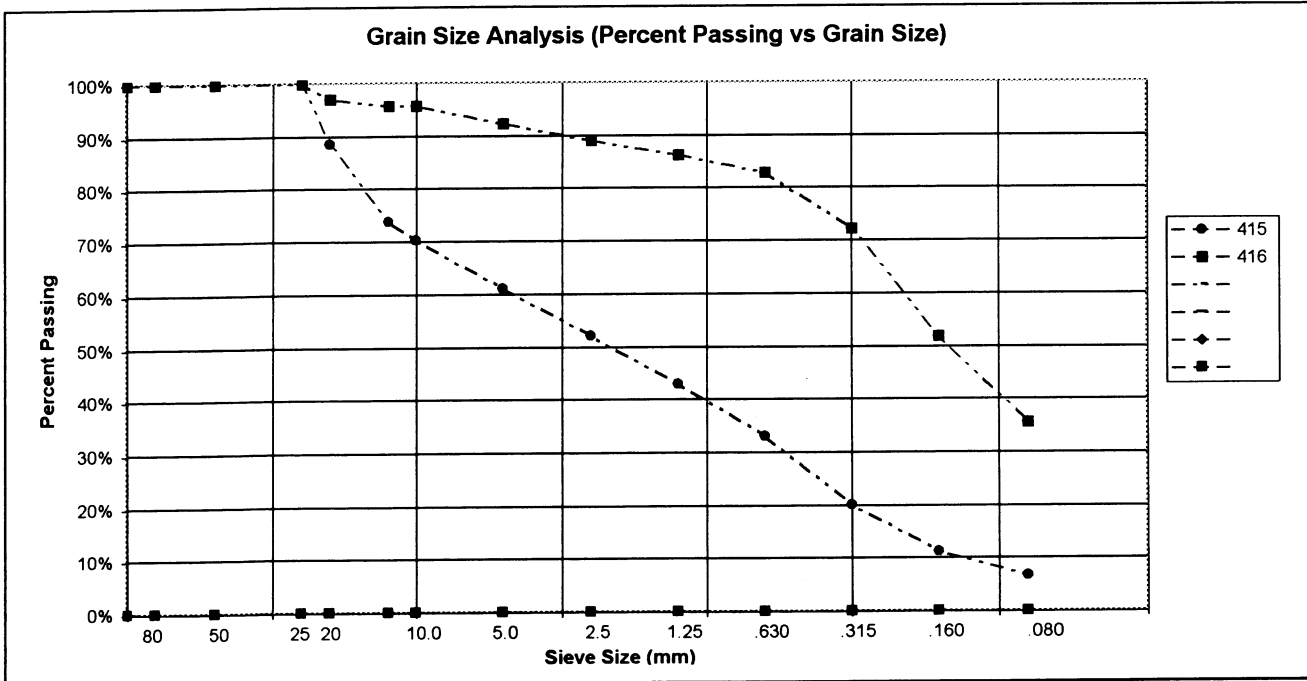


PROJECT NUMBER: 8002-318
CLIENT: YTG, Transportation & Engineering
PROJECT NAME: Geotechnical Services
PROJECT LOCATION: Km 1691.7-1717.3
DRILL UNIT: CME75
HOLE LOCATION: 639229-6766708
LOGGED BY: RW

HOLE No.: 30028

DATE COMP: 08/19/2004

Table with columns for FIELD NO., LAB NO., DEPTH, TYPE, SIEVE SIZE, PERCENT PASSING, and CLASSIFICATION. It contains data for two samples (415 and 416) and lists sieve sizes from 100.0 to 0.080 mm, along with M.C.%, Liquid Limit, Plastic Limit, Plastic Index, and percentages of gravel, sand, and fines.





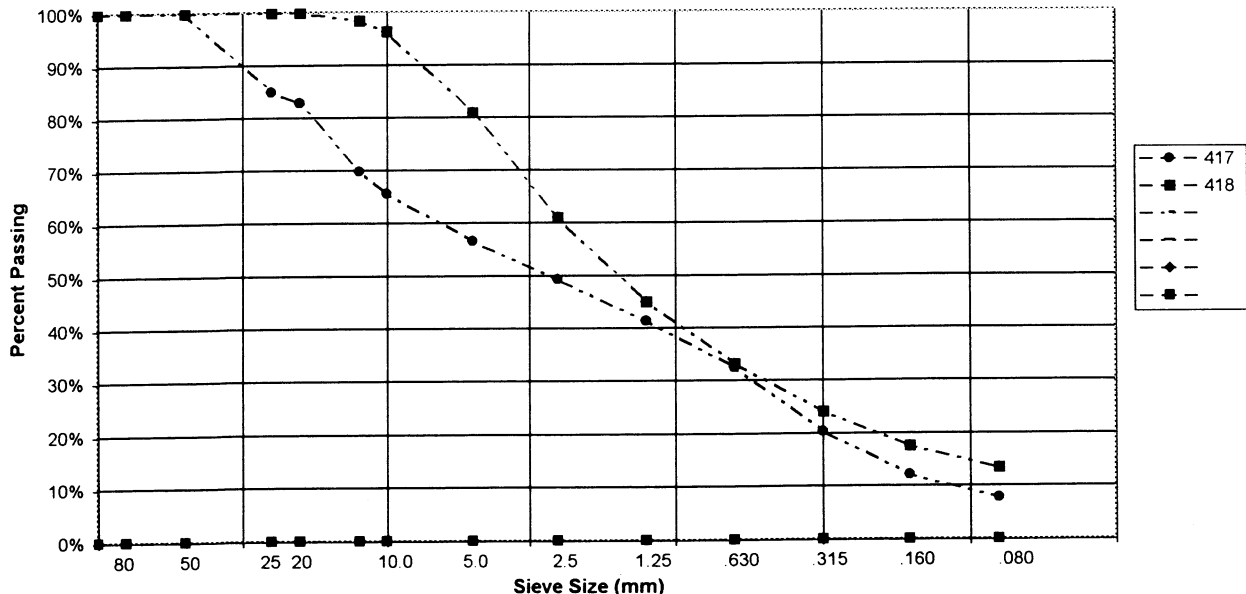
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 639106-6766653
 LOGGED BY: RW

HOLE No.: 30029

DATE COMP: 08/19/2004

FIELD NO:	417	418			
LAB NO:	417	418			
DEPTH:	0.3-0.9	2.4-2.9			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	85%	100%			
20.0	83%	100%			
12.5	70%	98%			
10.0	66%	96%			
5.0	57%	81%			
2.5	49%	61%			
1.25	41%	45%			
0.630	32%	33%			
0.315	20%	24%			
0.160	12%	18%			
0.080	8%	14%			
M.C.(%)	4%	3%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0			
% GRAVEL:	43	19			
% SAND:	49	67			
% FINES:	8	14			
CLASSIFICATION	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILTY SAND WITH GRAVEL (SM)			

Grain Size Analysis (Percent Passing vs Grain Size)





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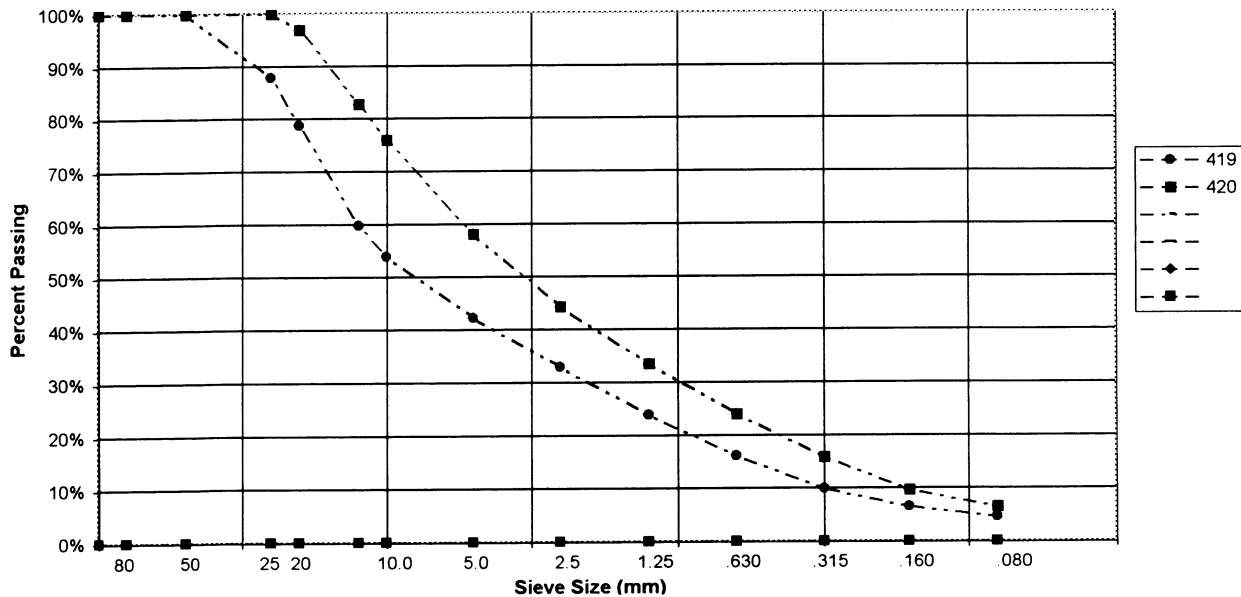
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 638909-6766547
 LOGGED BY: RW

HOLE No.: 30030

DATE COMP: 08/19/2004

FIELD NO:	419	420			
LAB NO:	419	420			
DEPTH:	0.3-0.9	1.8-2.4			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	88%	100%			
20.0	79%	97%			
12.5	60%	83%			
10.0	54%	76%			
5.0	42%	58%			
2.5	33%	44%			
1.25	24%	34%			
0.630	16%	24%			
0.315	10%	16%			
0.160	7%	10%			
0.080	5%	7%			
M.C.(%)	4%	8%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	58	42			
% SAND:	38	52			
% FINES:	5	7			
CLASSIFICATION	WELL-GRADED GRAVEL WITH SAND (GW)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)			

Grain Size Analysis (Percent Passing vs Grain Size)





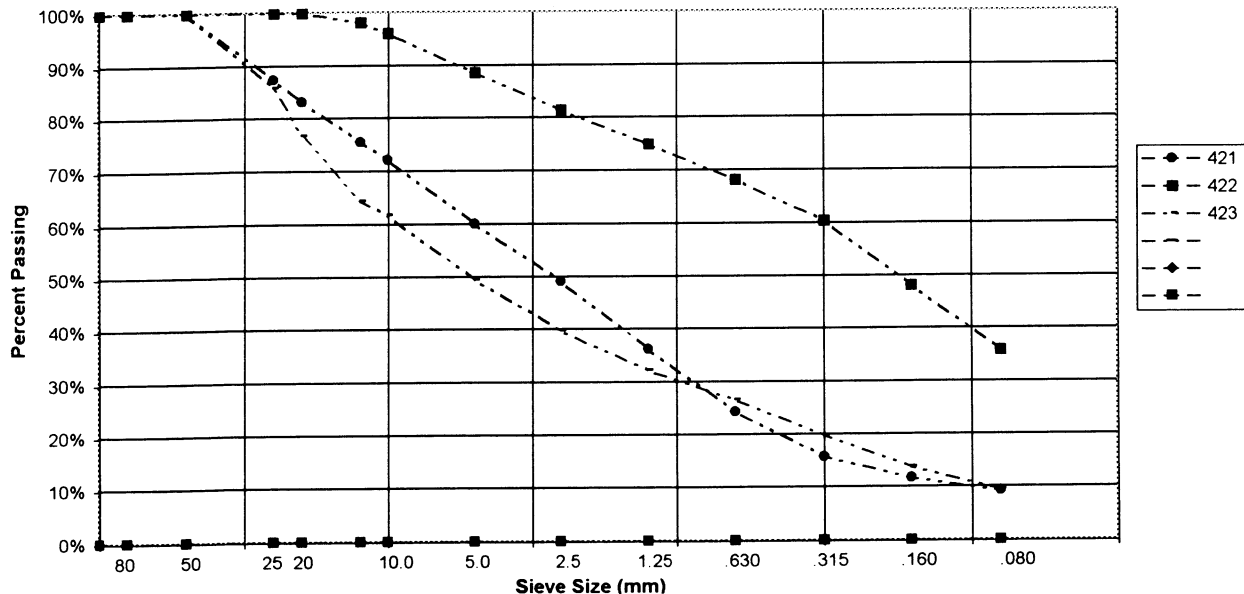
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 638926-6766525
 LOGGED BY: RW

HOLE No.: 30031

DATE COMP: 08/19/2004

FIELD NO:	421	422	423		
LAB NO:	421	422	423		
DEPTH:	0.3-0.9	1.2-1.5	2.4-2.9		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	87%	100%	86%		
20.0	83%	100%	77%		
12.5	76%	98%	64%		
10.0	72%	96%	62%		
5.0	60%	89%	49%		
2.5	49%	81%	40%		
1.25	36%	75%	32%		
0.630	24%	68%	27%		
0.315	16%	60%	20%		
0.160	12%	48%	14%		
0.080	9%	36%	10%		
M.C.(%):	4%	25%	5%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX:	0.0	0.0	0.0		
% GRAVEL:	40	11	51		
% SAND:	51	53	40		
% FINES:	9	36	10		
CLASSIFICATION	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILTY SAND (SM)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)		

Grain Size Analysis (Percent Passing vs Grain Size)





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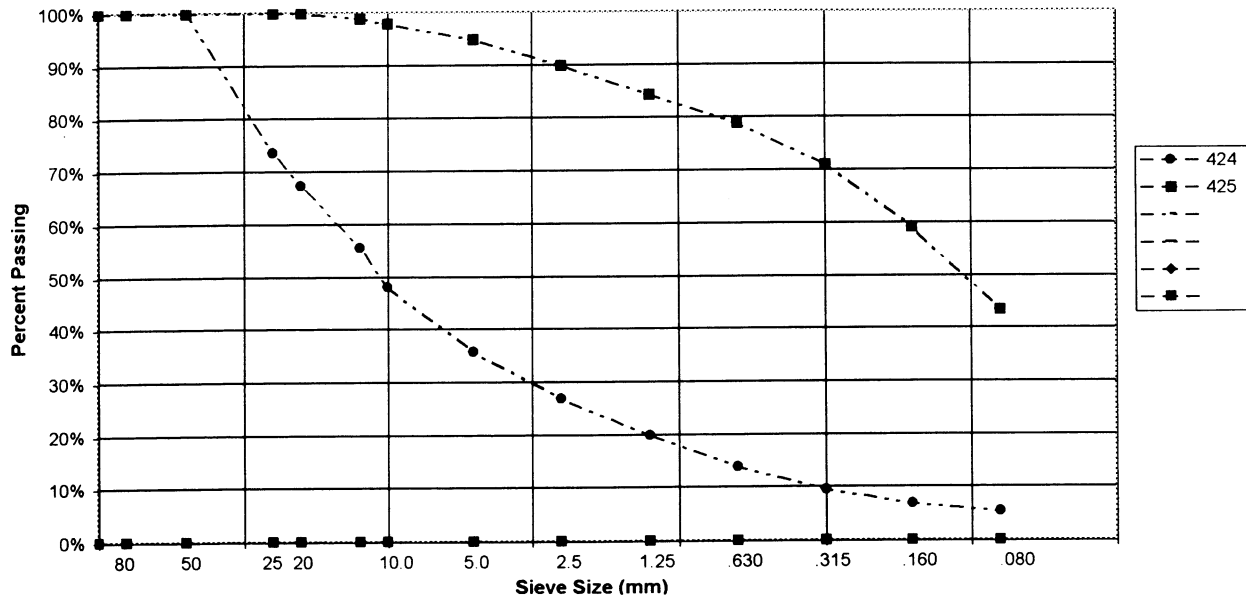
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 638808-6766403
 LOGGED BY: RW

HOLE No.: 30032

DATE COMP: 08/19/2004

FIELD NO:	424	425			
LAB NO:	424	425			
DEPTH:	0.3-0.9	2.4-3.0			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	74%	100%			
20.0	67%	100%			
12.5	56%	99%			
10.0	48%	98%			
5.0	36%	95%			
2.5	27%	90%			
1.25	20%	84%			
0.630	14%	79%			
0.315	10%	71%			
0.160	7%	59%			
0.080	5%	44%			
M.C.(%)	2%	23%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0			
% GRAVEL:	64	5			
% SAND:	30	51			
% FINES:	5	44			
CLASSIFICATION	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM)	SILTY SAND (SM)			

Grain Size Analysis (Percent Passing vs Grain Size)





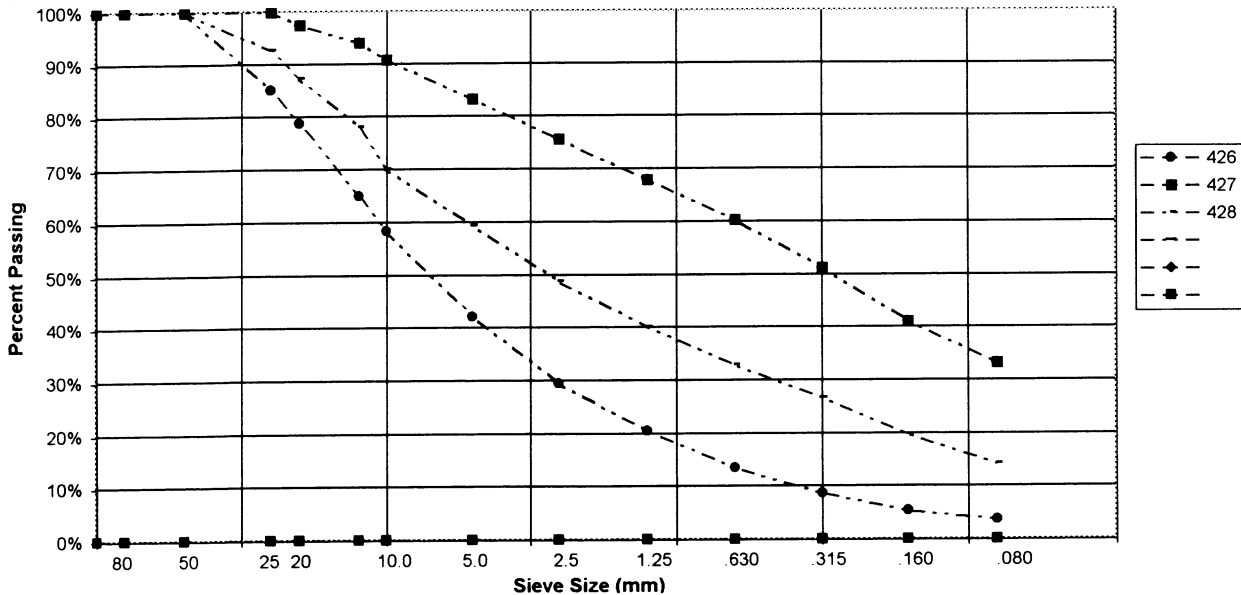
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 638653-6766235
 LOGGED BY: RW

HOLE No.: 30033

DATE COMP: 08/19/2004

FIELD NO:	426	427	428		
LAB NO:	426	427	428		
DEPTH:	0.3-0.9	1.5-2.1	2.1-2.7		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	85%	100%	93%		
20.0	79%	97%	87%		
12.5	65%	94%	78%		
10.0	58%	91%	70%		
5.0	42%	83%	59%		
2.5	29%	76%	49%		
1.25	21%	68%	40%		
0.630	14%	60%	33%		
0.315	9%	51%	27%		
0.160	5%	41%	20%		
0.080	4%	33%	14%		
M.C.(%)	3%	23%	9%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX:	0.0	0.0	0.0		
% GRAVEL:	58	17	41		
% SAND:	39	50	45		
% FINES:	4	33	14		
CLASSIFICATION	WELL-GRADED GRAVEL WITH SAND (GW)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)		

Grain Size Analysis (Percent Passing vs Grain Size)





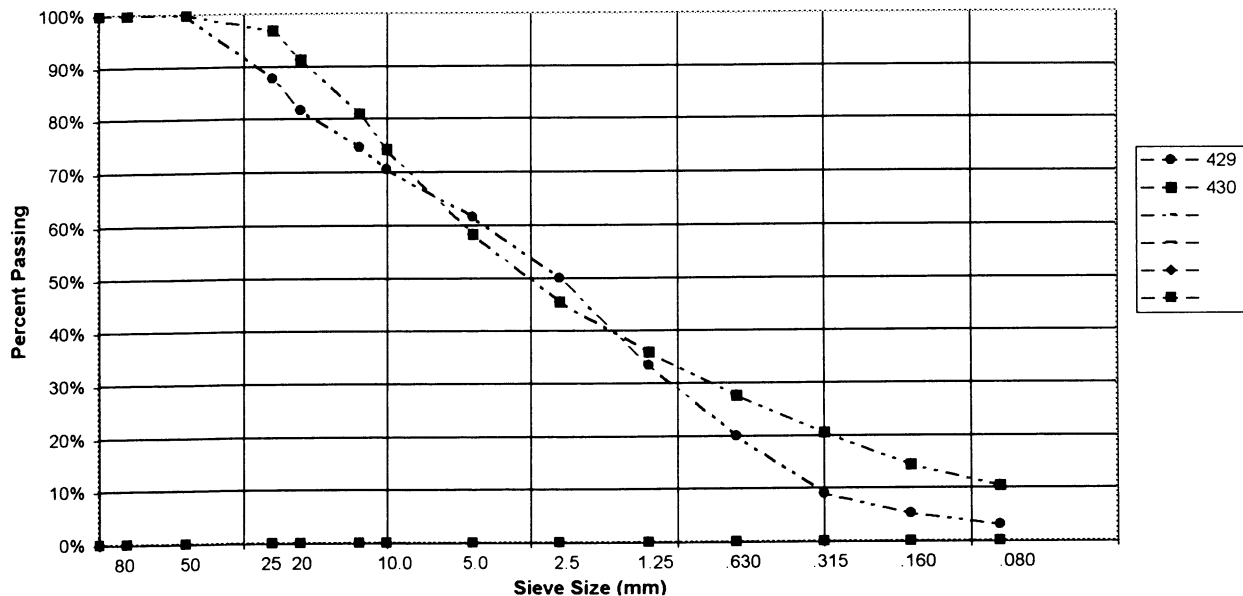
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 638452-6766172
 LOGGED BY: RW

HOLE No.: 30034

DATE COMP: 08/19/2004

FIELD NO:	429	430			
LAB NO:	429	430			
DEPTH:	0.3-0.9	1.8-2.4			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	88%	97%			
20.0	82%	91%			
12.5	75%	81%			
10.0	71%	74%			
5.0	62%	58%			
2.5	50%	46%			
1.25	33%	36%			
0.630	20%	28%			
0.315	9%	21%			
0.160	5%	15%			
0.080	3%	11%			
M.C.(%)	2%	8%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	38	42			
% SAND:	59	48			
% FINES:	3	11			
CLASSIFICATION	WELL-GRADED SAND WITH GRAVEL (SW)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)			

Grain Size Analysis (Percent Passing vs Grain Size)





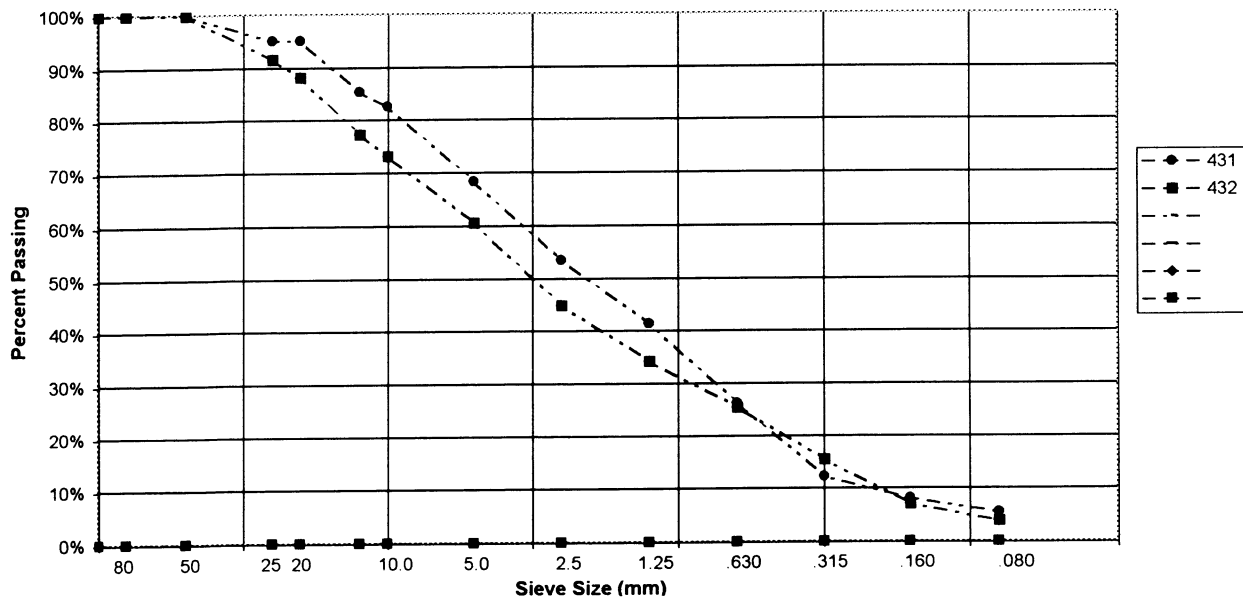
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 638287-6766094
 LOGGED BY: RW

HOLE No.: 30035

DATE COMP: 08/19/2004

FIELD NO:	431	432			
LAB NO:	431	432			
DEPTH:	0.3-0.9	2.1-2.7			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	95%	92%			
20.0	95%	88%			
12.5	85%	77%			
10.0	83%	73%			
5.0	68%	61%			
2.5	54%	45%			
1.25	41%	34%			
0.630	26%	25%			
0.315	12%	16%			
0.160	8%	7%			
0.080	6%	4%			
M.C.(%)	2%	3%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	32	39			
% SAND:	63	57			
% FINES:	6	4			
CLASSIFICATION	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	WELL-GRADED SAND WITH GRAVEL (SW)			

Grain Size Analysis (Percent Passing vs Grain Size)





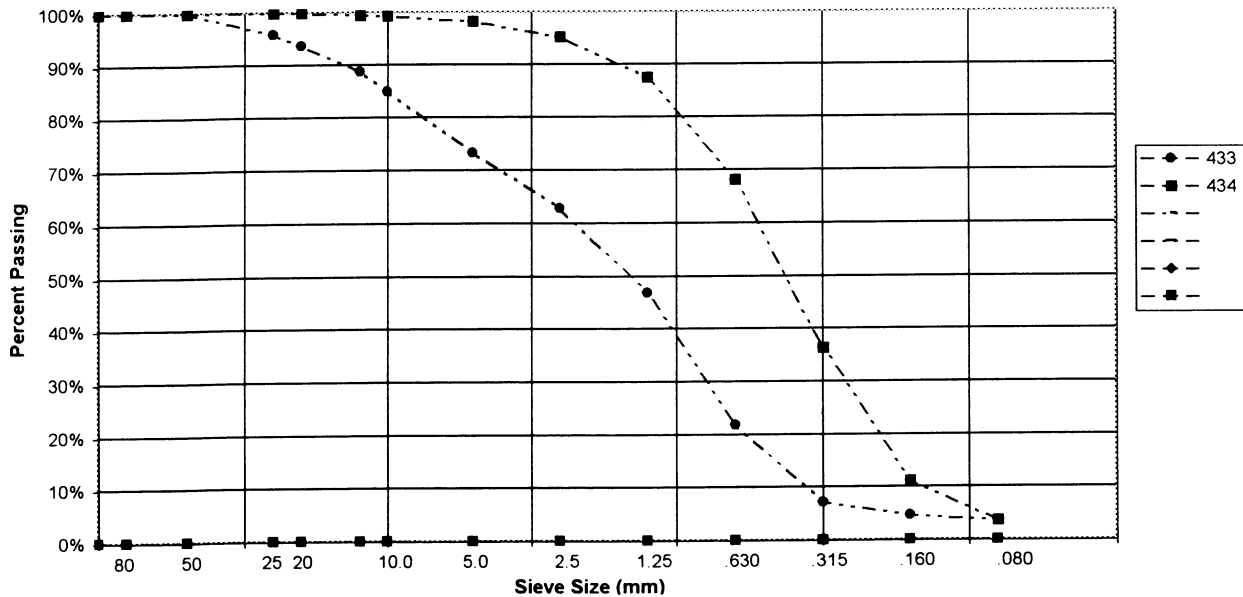
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 638094-6766043
 LOGGED BY: RW

HOLE No.: 30036

DATE COMP: 08/19/2004

FIELD NO:	433	434			
LAB NO:	433	434			
DEPTH:	0.3-0.9	2.1-2.7			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	96%	100%			
20.0	94%	100%			
12.5	89%	100%			
10.0	85%	99%			
5.0	73%	98%			
2.5	63%	95%			
1.25	47%	88%			
0.630	22%	68%			
0.315	7%	36%			
0.160	5%	11%			
0.080	4%	4%			
M.C.(%)	2%	7%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	27	2			
% SAND:	70	95			
% FINES:	4	4			
CLASSIFICATION	POORLY GRADED SAND WITH GRAVEL (SP)	WELL-GRADED SAND (SW)			

Grain Size Analysis (Percent Passing vs Grain Size)





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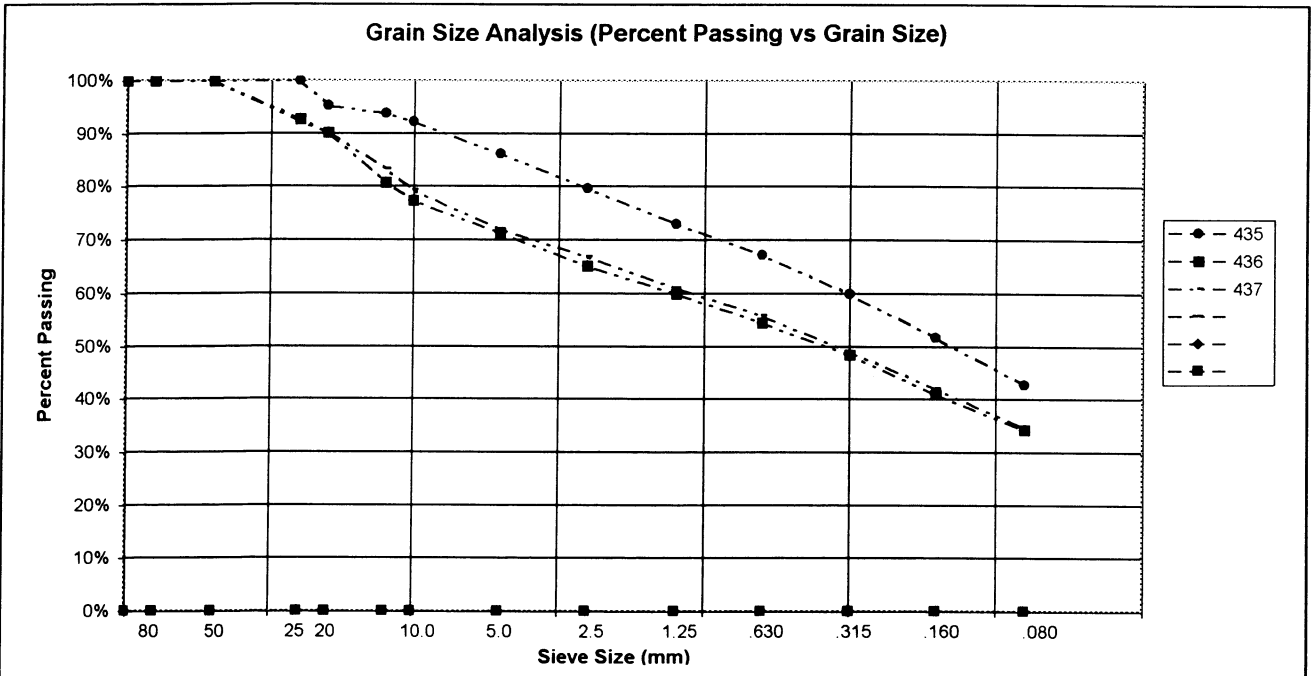


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 637902-6765969
 LOGGED BY: RW

HOLE No.: 30037

DATE COMP: 08/19/2004

FIELD NO:	435	436	437		
LAB NO:	435	436	437		
DEPTH:	0.3-0.9	2.1-2.7	3.4-4.0		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	100%	93%	92%		
20.0	95%	90%	90%		
12.5	94%	81%	83%		
10.0	92%	77%	79%		
5.0	86%	71%	72%		
2.5	80%	65%	67%		
1.25	73%	60%	61%		
0.630	67%	55%	56%		
0.315	60%	49%	49%		
0.160	52%	41%	42%		
0.080	43%	34%	35%		
M.C.(%)	26%	9%	9%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0		
% GRAVEL:	14	29	28		
% SAND:	43	37	37		
% FINES:	43	34	35		
CLASSIFICATION	SILTY SAND (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)		



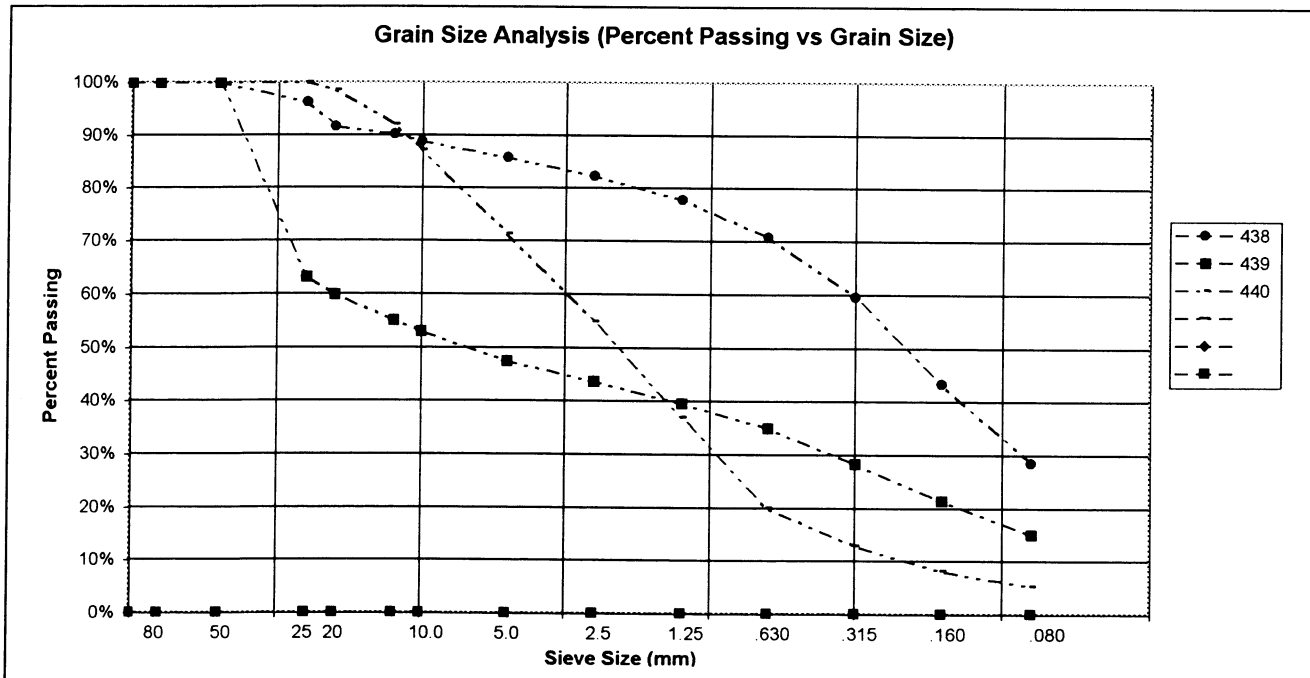


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 637704-6765920
 LOGGED BY: RW

HOLE No.: 30038

DATE COMP: 08/19/2004

FIELD NO:	438	439	440		
LAB NO:	438	439	440		
DEPTH:	0.3-0.9	1.8-2.4	3.2-3.6		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	96%	63%	100%		
20.0	92%	60%	99%		
12.5	90%	55%	92%		
10.0	89%	53%	87%		
5.0	86%	47%	71%		
2.5	82%	44%	55%		
1.25	78%	40%	37%		
0.630	71%	35%	20%		
0.315	60%	28%	13%		
0.160	43%	21%	8%		
0.080	29%	15%	5%		
M.C.(%)	6%	5%	8%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0		
% GRAVEL:	14	53	29		
% SAND:	57	32	66		
% FINES:	29	15	5		
CLASSIFICATION	SILTY SAND (SM)	SILTY GRAVEL WITH SAND (GM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)		





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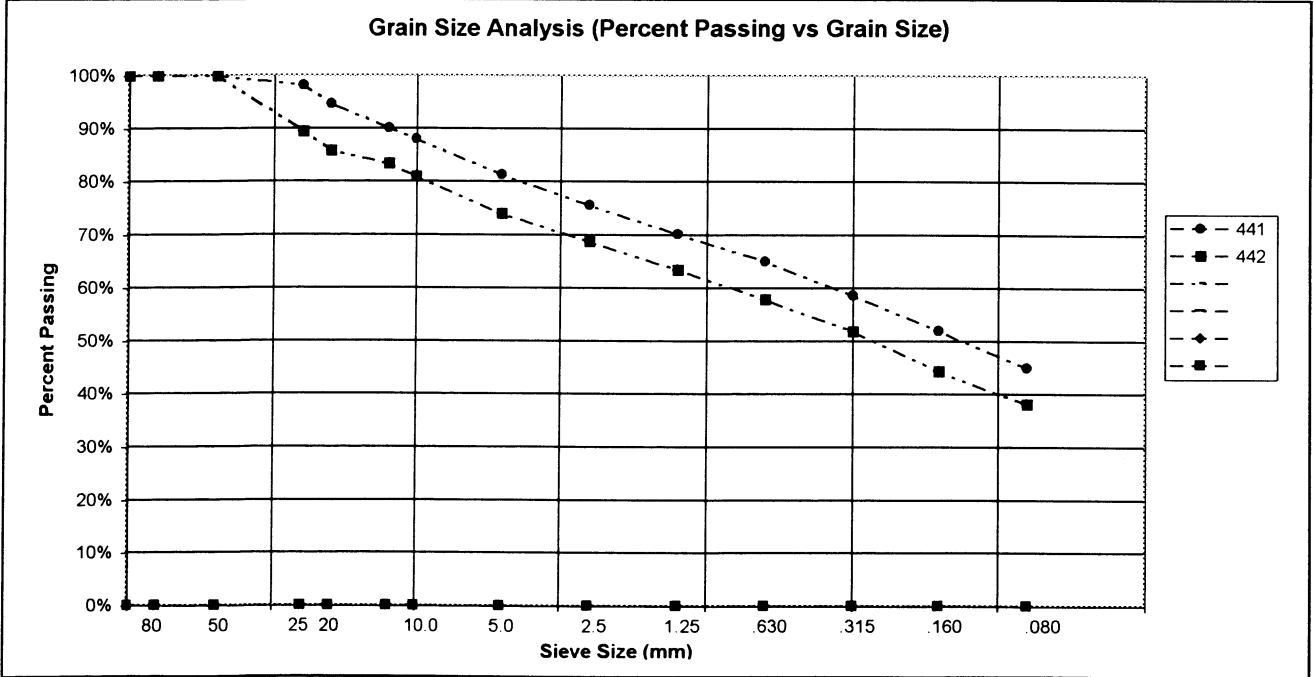


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 637563-6765818
 LOGGED BY: RW

HOLE No.: 30039

DATE COMP: 08/19/2004

FIELD NO:	441	442			
LAB NO:	441	442			
DEPTH:	0.3-0.9	1.8-2.4			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	98%	89%			
20.0	95%	86%			
12.5	90%	83%			
10.0	88%	81%			
5.0	81%	74%			
2.5	76%	69%			
1.25	70%	64%			
0.630	65%	58%			
0.315	59%	52%			
0.160	52%	44%			
0.080	45%	38%			
M.C.(%):	9%	7%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0			
% GRAVEL:	19	26			
% SAND:	36	36			
% FINES:	45	38			
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)			



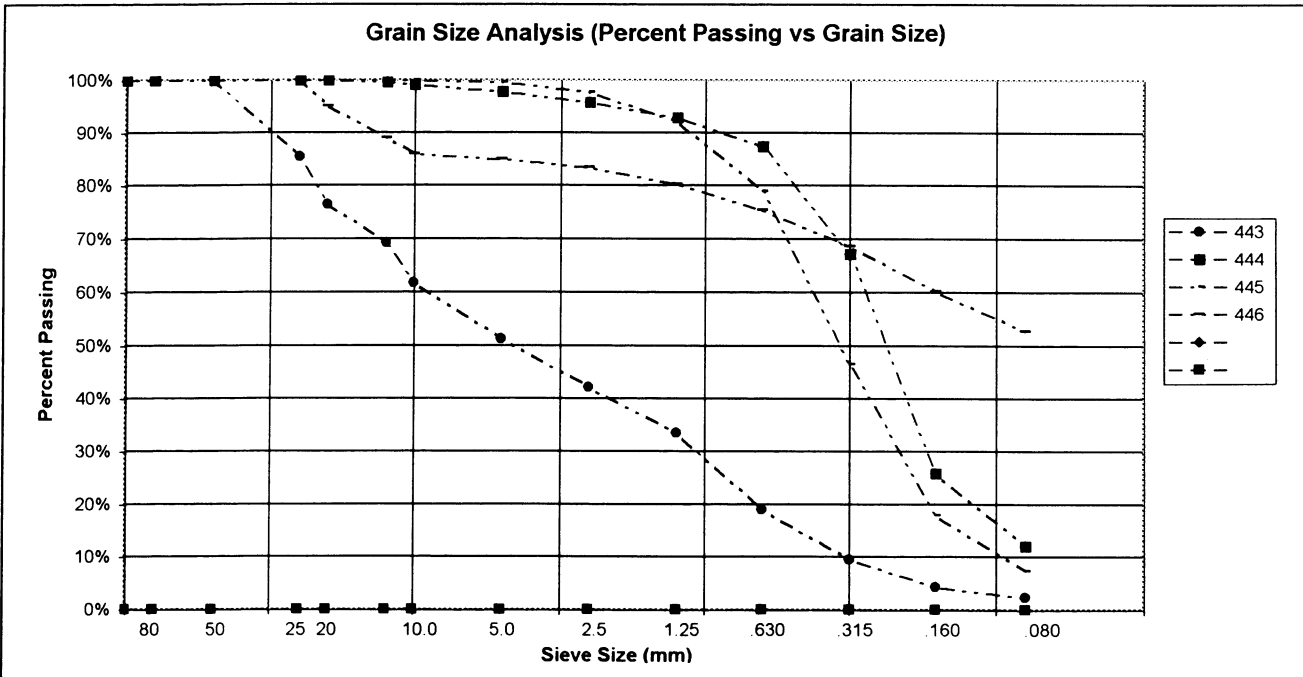


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 637444-6765598
 LOGGED BY: RW

HOLE No.: 30040

DATE COMP: 08/19/2004

FIELD NO:	443	444	445	446		
LAB NO:	443	444	445	446		
DEPTH:	0.0-0.6	0.6-1.2	1.8-2.4	3.0-3.6		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	100%	100%	100%		
25.0	85%	100%	100%	100%		
20.0	76%	100%	100%	95%		
12.5	69%	100%	100%	89%		
10.0	62%	99%	100%	86%		
5.0	51%	98%	100%	85%		
2.5	42%	96%	98%	83%		
1.25	33%	93%	92%	80%		
0.630	19%	87%	79%	75%		
0.315	10%	67%	47%	69%		
0.160	4%	26%	18%	60%		
0.080	2%	12%	7%	53%		
M.C.(%):	8%	23%	26%	91%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0	0.0		
% GRAVEL:	49	2	0	15		
% SAND:	49	86	92	32		
% FINES:	2	12	7	53		
CLASSIFICATION	WELL-GRADED SAND WITH GRAVEL (SW)	SILTY SAND (SM)	WELL-GRADED SAND WITH SILT (SW-SM)	SANDY SILT (ML)		





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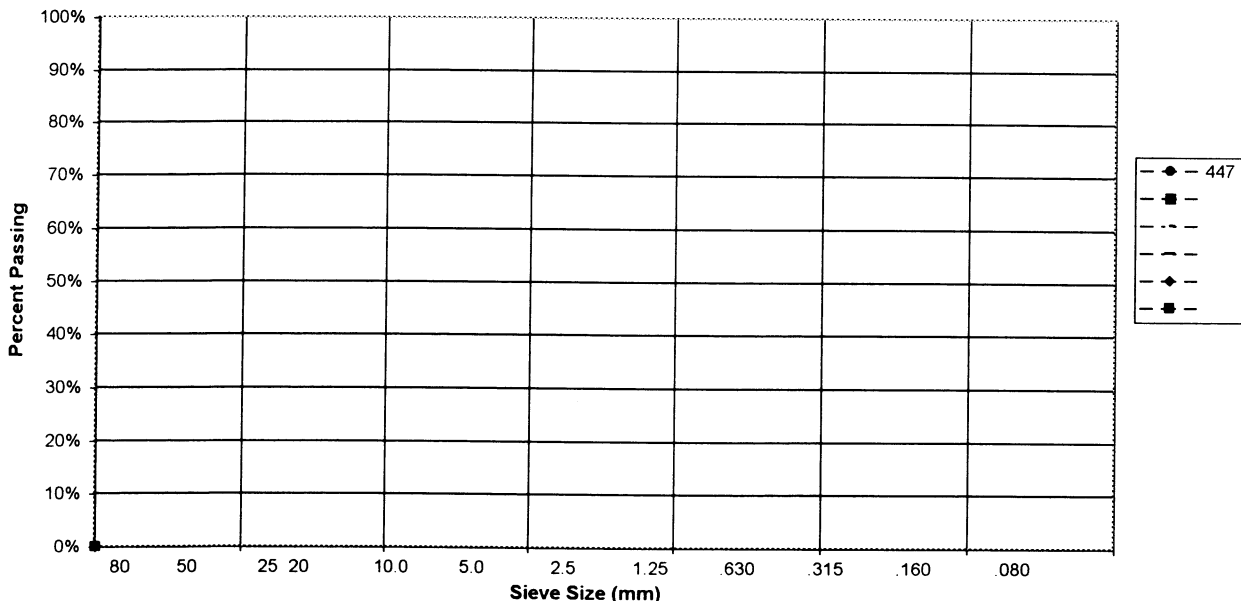
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 637429-6765452
 LOGGED BY: RW

HOLE No.: 30041

DATE COMP: 08/20/2004

FIELD NO:	447				
LAB NO:	447				
DEPTH:	1.4				
TYPE:	S.P.T.				
SIEVE SIZE	PERCENT PASSING				
100.0					
80.0					
50.0					
25.0					
20.0					
12.5					
10.0					
5.0					
2.5					
1.25					
0.630					
0.315					
0.160					
0.080					
M.C.(%):	8%				
LIQUID LIMIT:	0.0				
PLASTIC LIMIT:	0.0				
PLASTIC INDEX.:	0.0				
% GRAVEL:	#VALUE!				
% SAND:	#VALUE!				
% FINES:	#VALUE!				
CLASSIFICATION	#VALUE!				

Grain Size Analysis (Percent Passing vs Grain Size)





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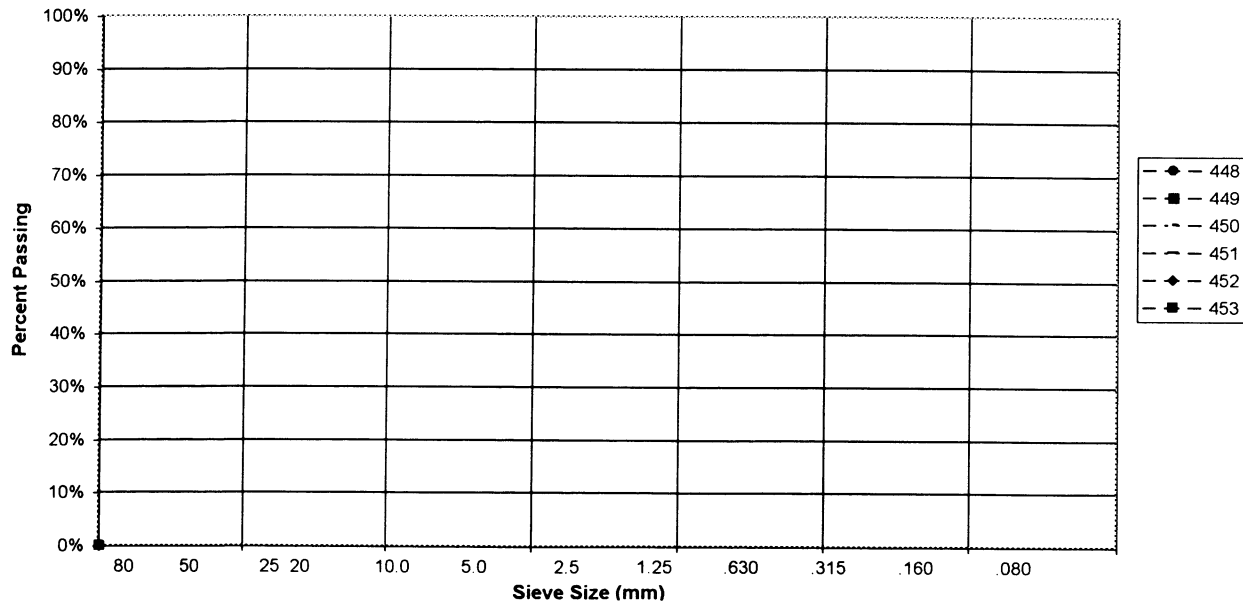
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 637411-6765198
 LOGGED BY: RW

HOLE No.: 30042

DATE COMP: 08/20/2004

FIELD NO:	448	449	450	451	452	453
LAB NO:	448	449	450	451	452	453
DEPTH:	1.4	2.9	4.4	5.9	7.5	9
TYPE:	S.P.T.	S.P.T.	S.P.T.	S.P.T.	S.P.T.	S.P.T.
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING
100.0						
80.0						
50.0						
25.0						
20.0						
12.5						
10.0						
5.0						
2.5						
1.25						
0.630						
0.315						
0.160						
0.080						
M.C.(%)	7%	22%	21%	13%	12%	9%
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	0.0
% GRAVEL:	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
% SAND:	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
% FINES:	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
CLASSIFICATION	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

Grain Size Analysis (Percent Passing vs Grain Size)





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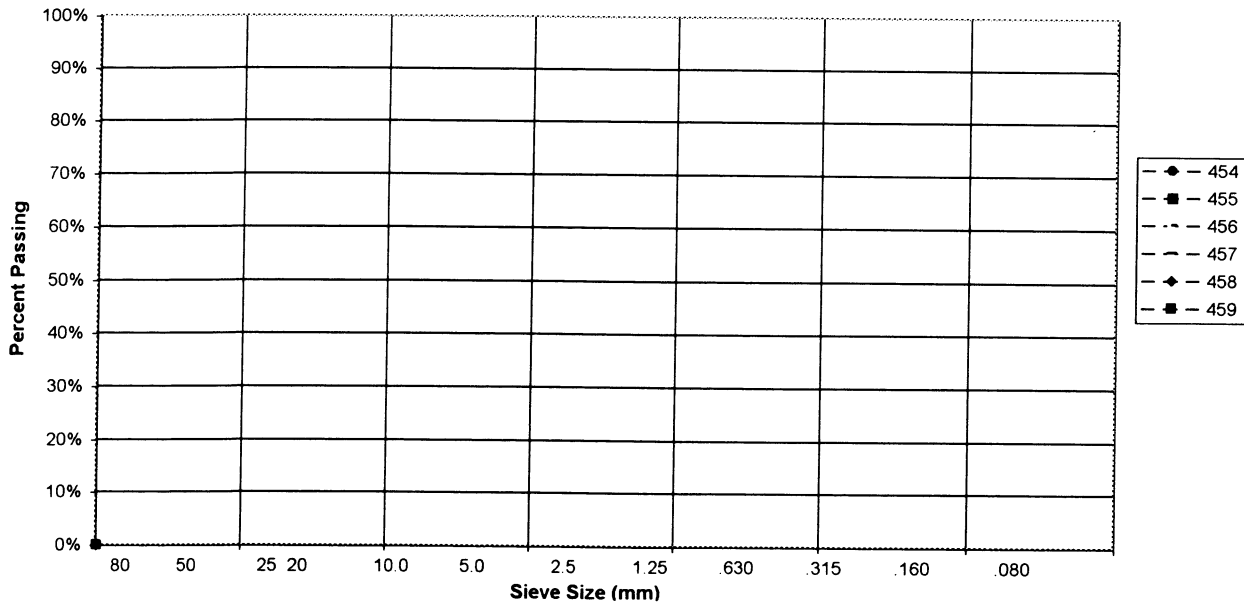
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 636827-6764763
 LOGGED BY: RW

HOLE No.: 30043

DATE COMP: 08/20/2004

FIELD NO:	454	455	456	457	458	459
LAB NO:	454	455	456	457	458	459
DEPTH:	1.4	2.9	4.4	5.9	7.5	9
TYPE:	S.P.T.	S.P.T.	S.P.T.	S.P.T.	S.P.T.	S.P.T.
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING
100.0						
80.0						
50.0						
25.0						
20.0						
12.5						
10.0						
5.0						
2.5						
1.25						
0.630						
0.315						
0.160						
0.080						
M.C.(%):	6%	19%	23%	25%	21%	32%
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	0.0
% GRAVEL:	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
% SAND:	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
% FINES:	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!
CLASSIFICATION	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!	#VALUE!

Grain Size Analysis (Percent Passing vs Grain Size)





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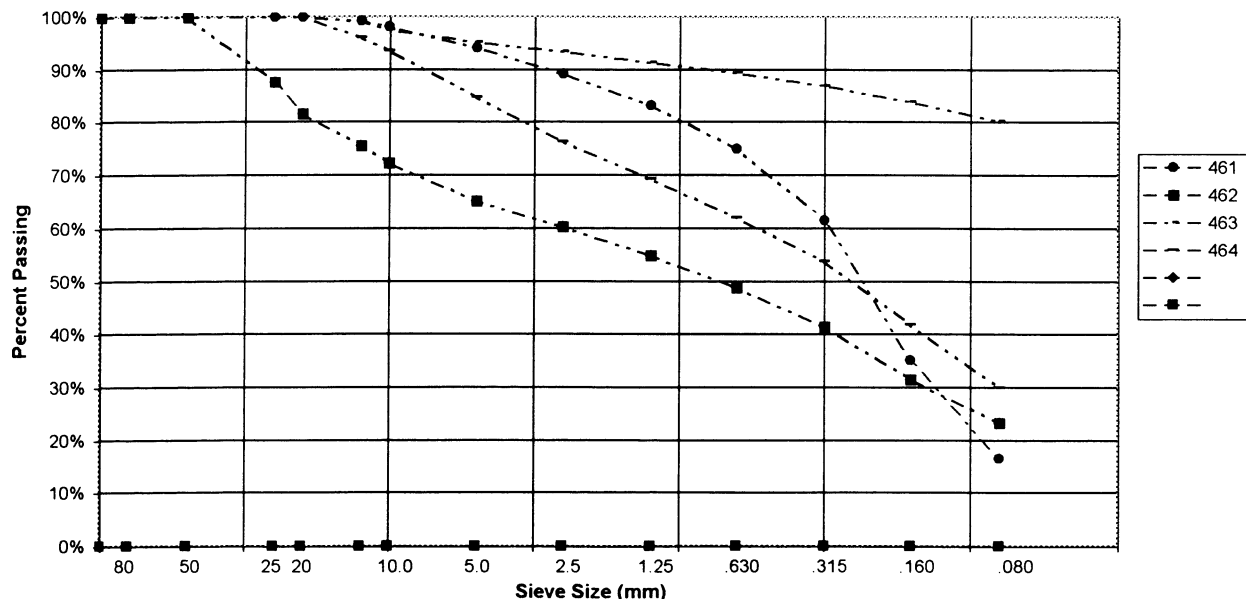
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 636668-6764727
 LOGGED BY: RW

HOLE No.: 30044

DATE COMP: 08/21/2004

FIELD NO:	461	462	463	464		
LAB NO:	461	462	463	464		
DEPTH:	0.3-0.9	1.5-2.1	2.4-2.9	4.1-4.4		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	100%	100%	100%		
25.0	100%	88%	100%	100%		
20.0	100%	82%	100%	100%		
12.5	99%	76%	99%	96%		
10.0	98%	72%	98%	94%		
5.0	94%	65%	95%	85%		
2.5	89%	60%	93%	76%		
1.25	83%	55%	91%	69%		
0.630	75%	49%	89%	62%		
0.315	62%	41%	87%	54%		
0.160	35%	32%	84%	42%		
0.080	17%	23%	80%	30%		
M.C.(%):	18%	10%	20%	14%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0	0.0		
% GRAVEL:	6	35	5	15		
% SAND:	78	42	15	55		
% FINES:	17	23	80	30		
CLASSIFICATION	SILTY SAND (SM)	SILTY SAND WITH GRAVEL (SM)	SILT WITH SAND (ML)	SILTY SAND WITH GRAVEL (SM)		

Grain Size Analysis (Percent Passing vs Grain Size)



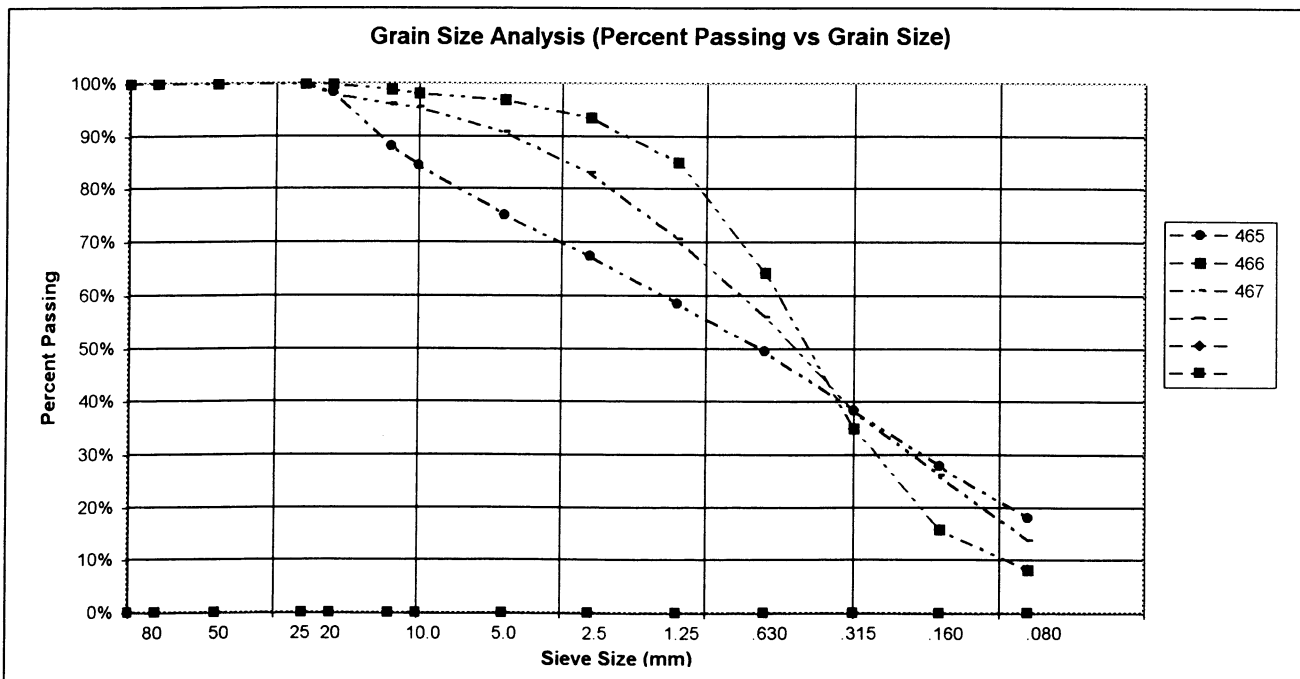


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 636398-6764640
 LOGGED BY: RW

HOLE No.: 30045

DATE COMP: 08/21/2004

FIELD NO:	465	466	467		
LAB NO:	465	466	467		
DEPTH:	0.3-0.9	2.1-2.7	4.0-4.4		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	100%	100%	100%		
20.0	98%	100%	98%		
12.5	88%	99%	96%		
10.0	85%	98%	96%		
5.0	75%	97%	91%		
2.5	68%	94%	83%		
1.25	59%	85%	71%		
0.630	50%	64%	56%		
0.315	39%	35%	38%		
0.160	28%	16%	26%		
0.080	18%	8%	14%		
M.C.(%):	10%	14%	15%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0		
% GRAVEL:	25	3	9		
% SAND:	57	89	77		
% FINES:	18	8	14		
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	WELL-GRADED SAND WITH SILT (SW-SM)	SILTY SAND (SM)		





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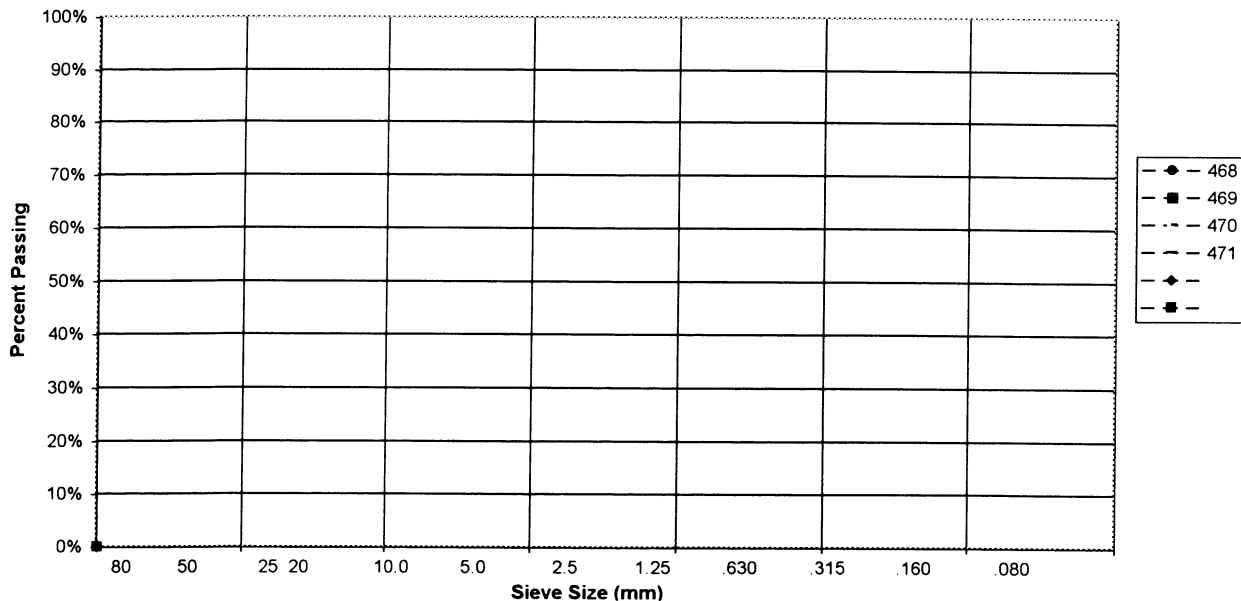
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 636230-6764571
 LOGGED BY: RW

HOLE No.: 30046

DATE COMP: 08/21/2004

FIELD NO:	468	469	470	471		
LAB NO:	468	469	470	471		
DEPTH:	1.4	2.9	4.4	5.9		
TYPE:	S.P.T.	S.P.T.	S.P.T.	S.P.T.		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0						
80.0						
50.0						
25.0						
20.0						
12.5						
10.0						
5.0						
2.5						
1.25						
0.630						
0.315						
0.160						
0.080						
M.C.(%):	9%	17%	17%	17%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0	0.0		
% GRAVEL:	#VALUE!	#VALUE!	#VALUE!	#VALUE!		
% SAND:	#VALUE!	#VALUE!	#VALUE!	#VALUE!		
% FINES:	#VALUE!	#VALUE!	#VALUE!	#VALUE!		
CLASSIFICATION	#VALUE!	#VALUE!	#VALUE!	#VALUE!		

Grain Size Analysis (Percent Passing vs Grain Size)





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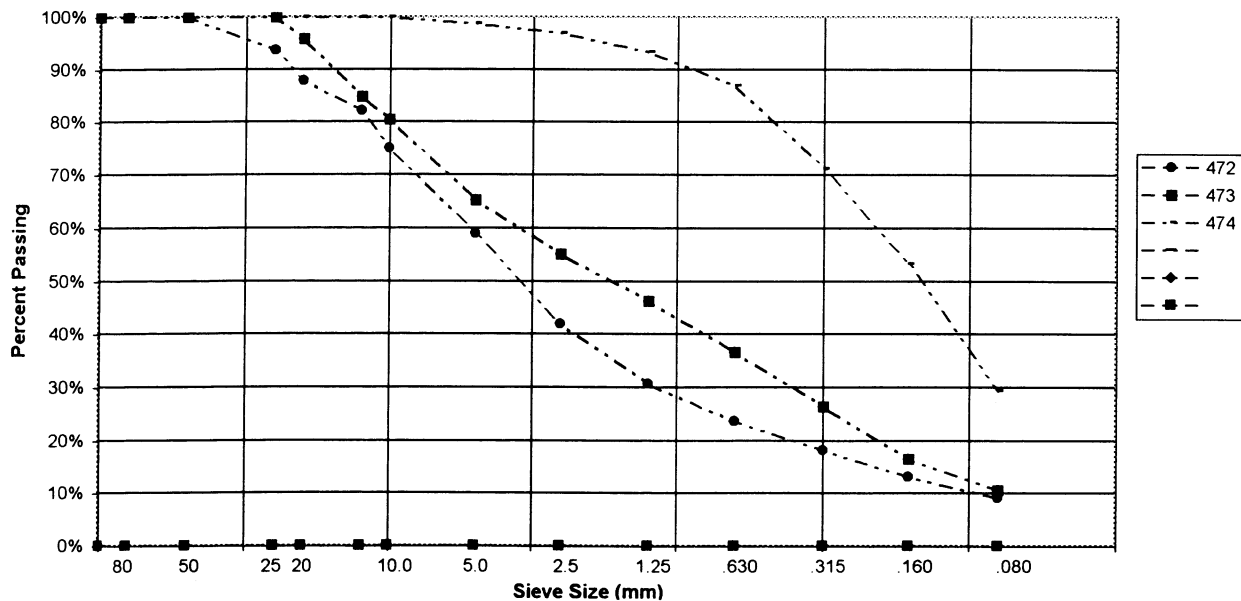
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 636077-6764452
 LOGGED BY: RW

HOLE No.: 30047

DATE COMP: 08/21/2004

FIELD NO:	472	473	474		
LAB NO:	472	473	474		
DEPTH:	0.3-0.9	2.1-2.7	3.7-4.3		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	94%	100%	100%		
20.0	88%	96%	100%		
12.5	82%	85%	100%		
10.0	75%	80%	100%		
5.0	59%	65%	99%		
2.5	42%	55%	97%		
1.25	31%	46%	93%		
0.630	24%	37%	87%		
0.315	18%	27%	71%		
0.160	13%	17%	53%		
0.080	9%	11%	29%		
M.C.(%):	7%	10%	18%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0		
% GRAVEL:	41	35	1		
% SAND:	50	55	69		
% FINES:	9	11	29		
CLASSIFICATION	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILTY SAND (SM)		

Grain Size Analysis (Percent Passing vs Grain Size)





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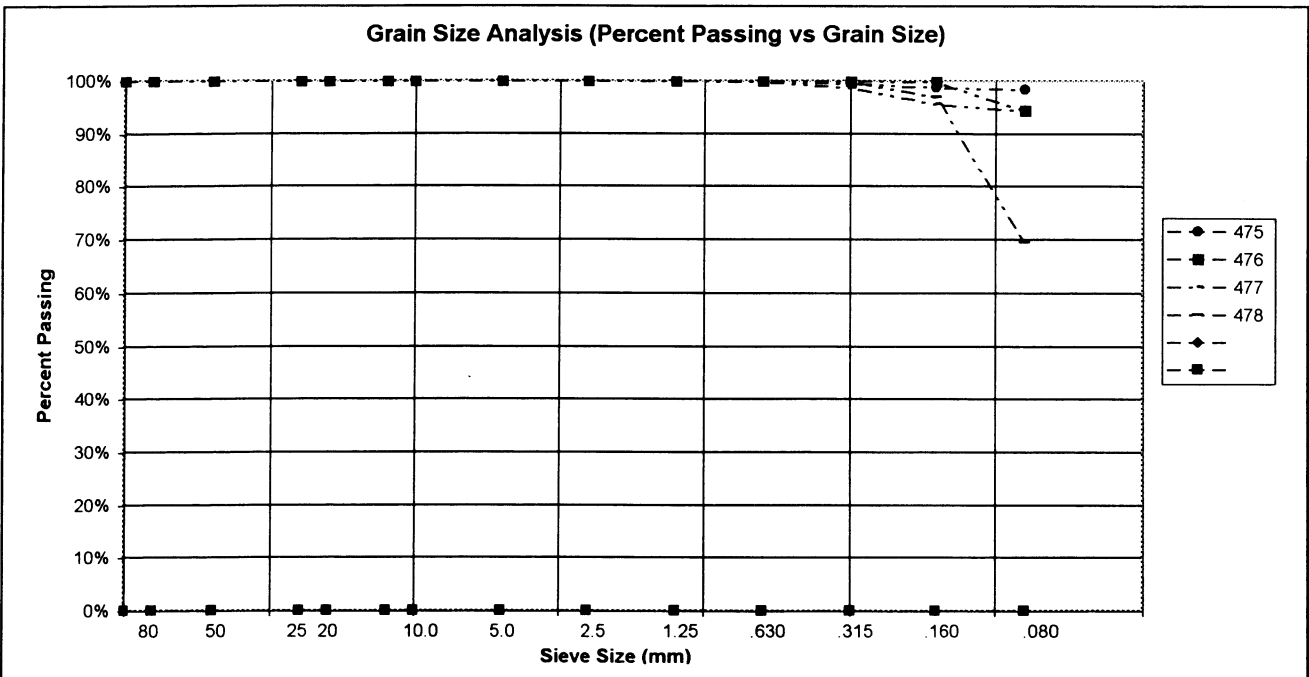


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 635653-6764453
 LOGGED BY: RW

HOLE No.: 30049

DATE COMP: 08/21/2004

FIELD NO:	475	476	477	478		
LAB NO:	475	476	477	478		
DEPTH:	0.6-1.2	1.8-2.4	2.6-2.9	4.0-4.4		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	100%	100%	100%		
25.0	100%	100%	100%	100%		
20.0	100%	100%	100%	100%		
12.5	100%	100%	100%	100%		
10.0	100%	100%	100%	100%		
5.0	100%	100%	100%	100%		
2.5	100%	100%	100%	100%		
1.25	100%	100%	100%	100%		
0.630	100%	100%	100%	100%		
0.315	99%	100%	99%	100%		
0.160	99%	100%	96%	97%		
0.080	98%	94%	94%	70%		
M.C.(%):	28%	21%	31%	19%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0	0.0		
% GRAVEL:	0	0	0	0		
% SAND:	2	6	6	30		
% FINES:	98	94	94	70		
CLASSIFICATION	SILT (ML)	SILT (ML)	SILT (ML)	SANDY SILT (ML)		





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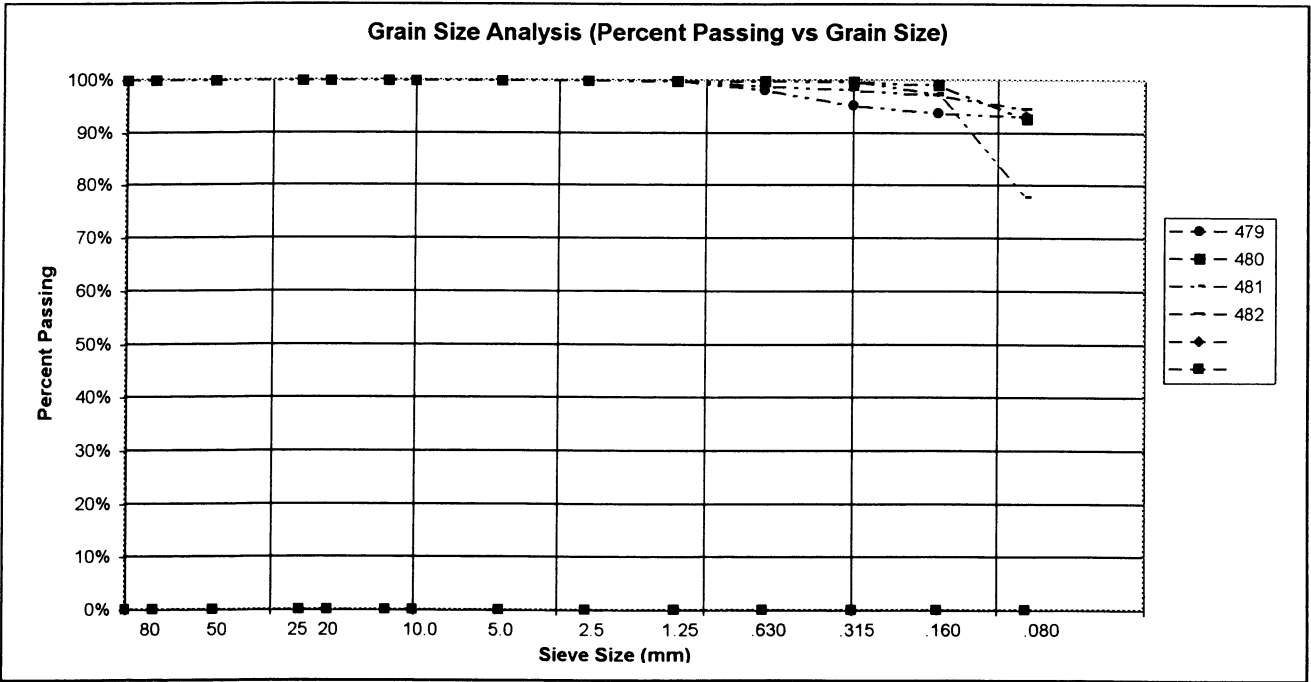


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 635462-6764514
 LOGGED BY: RW

HOLE No.: 30050

DATE COMP: 08/21/2004

FIELD NO:	479	480	481	482		
LAB NO:	479	480	481	482		
DEPTH:	0.6-1.2	2.1-2.9	3.2-3.6	4.0-4.4		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	100%	100%	100%		
25.0	100%	100%	100%	100%		
20.0	100%	100%	100%	100%		
12.5	100%	100%	100%	100%		
10.0	100%	100%	100%	100%		
5.0	100%	100%	100%	100%		
2.5	100%	100%	100%	100%		
1.25	100%	100%	100%	100%		
0.630	98%	100%	100%	99%		
0.315	95%	100%	100%	98%		
0.160	94%	99%	97%	97%		
0.080	93%	93%	78%	95%		
M.C.(%):	29%	23%	20%	29%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0	0.0		
% GRAVEL:	0	0	0	0		
% SAND:	7	7	22	5		
% FINES:	93	93	78	95		
CLASSIFICATION	SILT (ML)	SILT (ML)	SILT WITH SAND (ML)	SILT (ML)		





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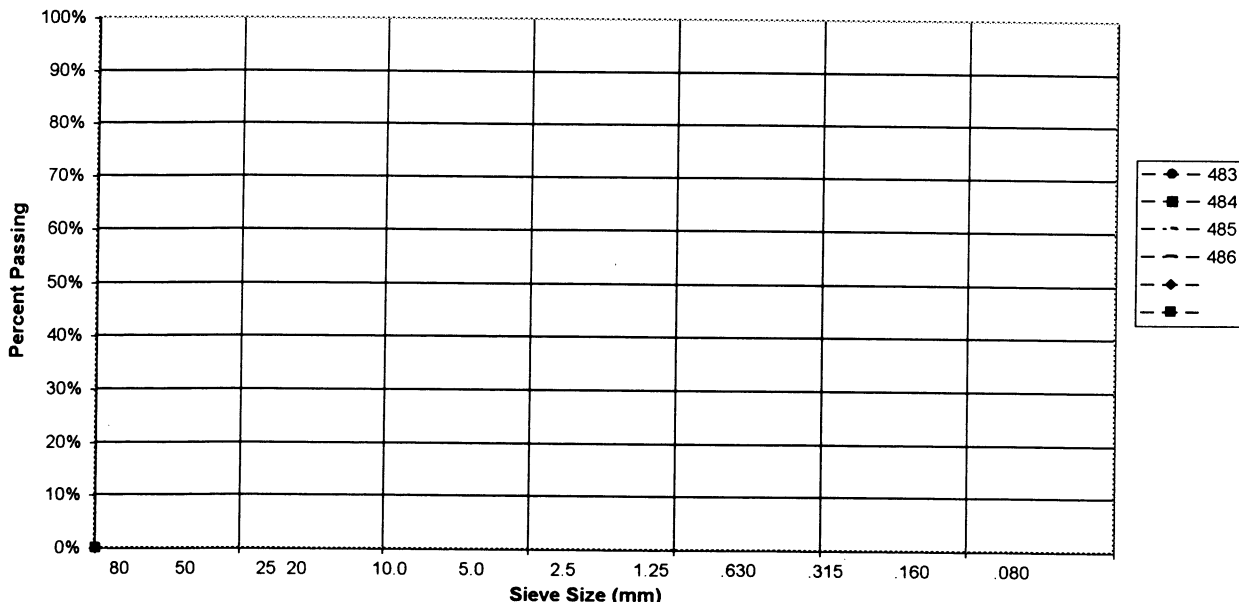
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 635301-6764643
 LOGGED BY: RW

HOLE No.: 30051

DATE COMP: 08/22/2004

FIELD NO:	483	484	485	486		
LAB NO:	483	484	485	486		
DEPTH:	1.4	2.9	4.4	5.9		
TYPE:	S.P.T.	S.P.T.	S.P.T.	S.P.T.		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0						
80.0						
50.0						
25.0						
20.0						
12.5						
10.0						
5.0						
2.5						
1.25						
0.630						
0.315						
0.160						
0.080						
M.C.(%)	23%	19%	23%	28%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX:	0.0	0.0	0.0	0.0		
% GRAVEL:	#VALUE!	#VALUE!	#VALUE!	#VALUE!		
% SAND:	#VALUE!	#VALUE!	#VALUE!	#VALUE!		
% FINES:	#VALUE!	#VALUE!	#VALUE!	#VALUE!		
CLASSIFICATION	#VALUE!	#VALUE!	#VALUE!	#VALUE!		

Grain Size Analysis (Percent Passing vs Grain Size)



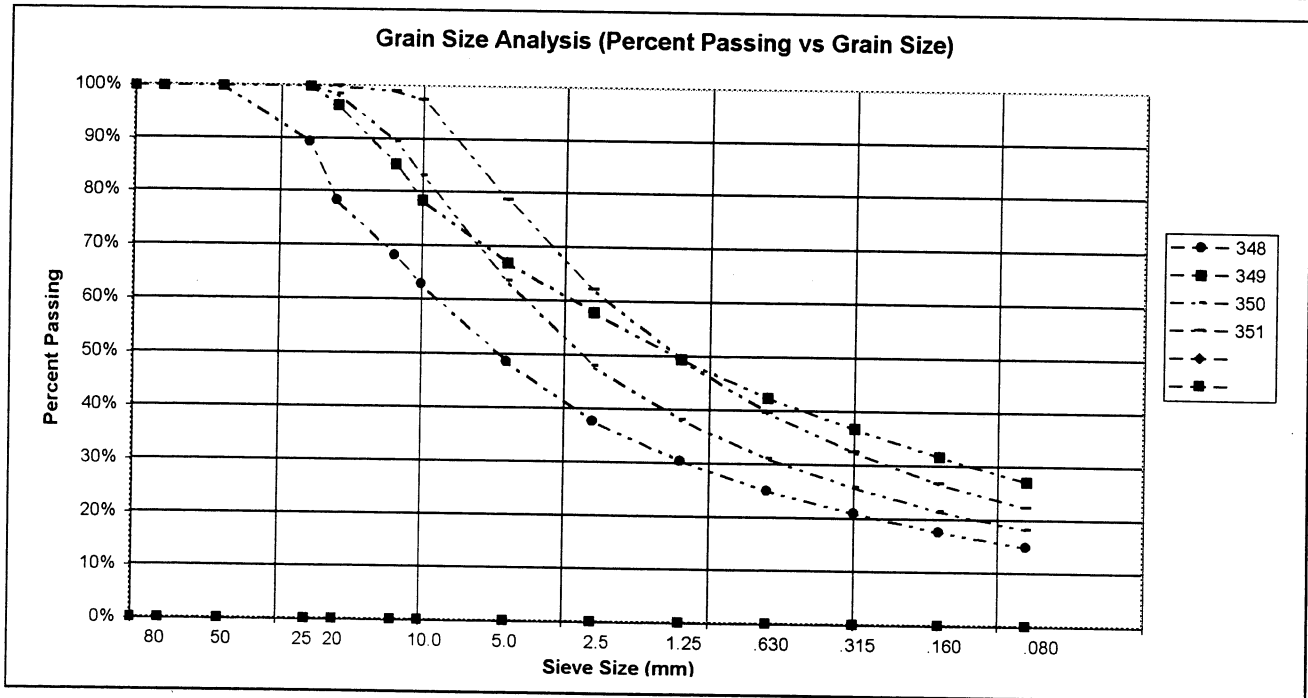


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633550-6773445
 LOGGED BY: RW

HOLE No.: 30082

DATE COMP: 08/15/2004

FIELD NO:	348	349	350	351		
LAB NO:	348	349	350	351		
DEPTH:	0.6-1.2	1.8-2.4	3.4-4.0	4.9-5.5		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	100%	100%	100%		
25.0	89%	100%	100%	100%		
20.0	78%	96%	98%	100%		
12.5	68%	85%	89%	99%		
10.0	63%	78%	83%	97%		
5.0	49%	67%	64%	79%		
2.5	38%	58%	48%	62%		
1.25	31%	49%	38%	49%		
0.630	25%	42%	31%	40%		
0.315	21%	37%	26%	33%		
0.160	18%	32%	22%	27%		
0.080	15%	27%	18%	22%		
M.C.(%)	3%	8%	4%	7%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0	0.0		
% GRAVEL:	51	33	36	21		
% SAND:	34	40	45	56		
% FINES:	15	27	18	22		
CLASSIFICATION	SILTY GRAVEL WITH SAND (GM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)		



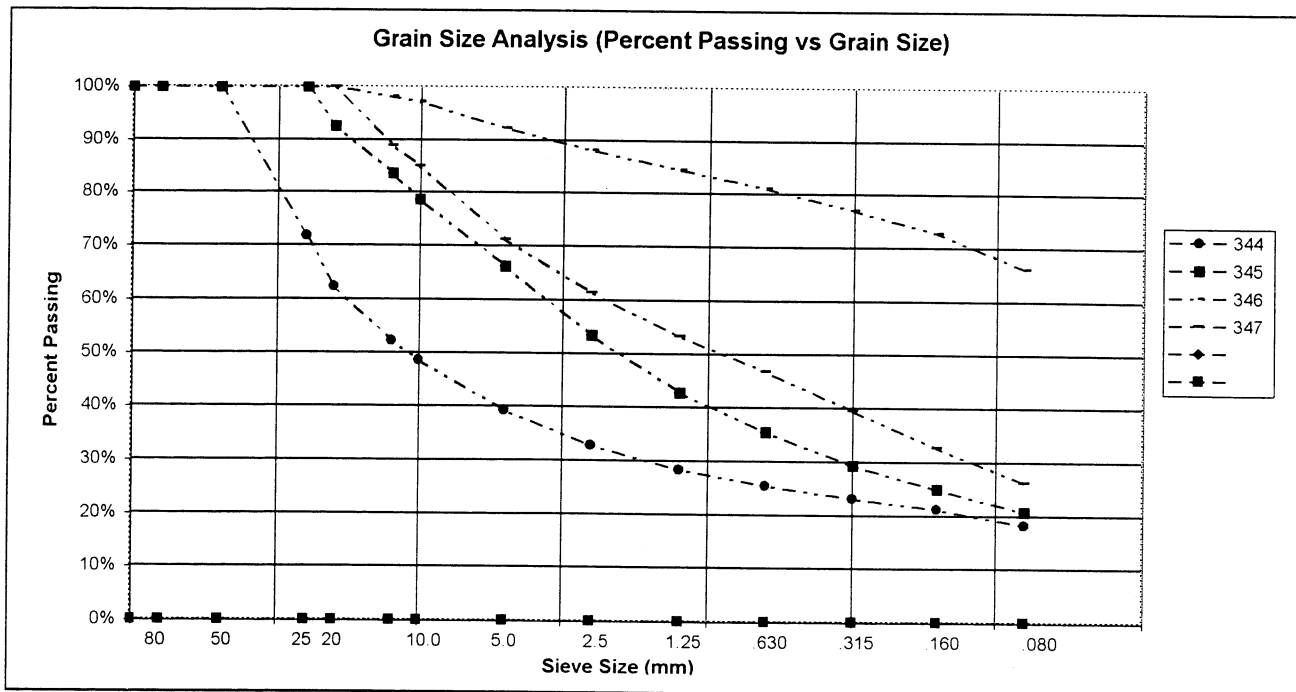


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633530-6773484
 LOGGED BY: RW

HOLE No.: 30083

DATE COMP: 08/15/2004

FIELD NO:	344	345	346	347
LAB NO:	344	345	346	347
DEPTH:	0.6-1.2	1.8-2.4	3.4-4.0	4.9-5.5
TYPE:	AUGER	AUGER	AUGER	AUGER
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING
100.0	100%	100%	100%	100%
80.0	100%	100%	100%	100%
50.0	100%	100%	100%	100%
25.0	72%	100%	100%	100%
20.0	62%	93%	100%	100%
12.5	52%	84%	98%	89%
10.0	49%	79%	97%	85%
5.0	39%	66%	92%	71%
2.5	33%	53%	88%	61%
1.25	28%	43%	84%	53%
0.630	26%	35%	81%	47%
0.315	23%	29%	77%	40%
0.160	21%	25%	73%	33%
0.080	18%	21%	66%	26%
M.C.(%)	7%	7%	21%	10%
LIQUID LIMIT:	0.0	0.0	0.0	0.0
PLASTIC LIMIT:	0.0	0.0	0.0	0.0
PLASTIC INDEX.:	0.0	0.0	0.0	0.0
% GRAVEL:	61	34	8	29
% SAND:	21	45	26	45
% FINES:	18	21	66	26
CLASSIFICATION	SILTY GRAVEL WITH SAND (GM)	SILTY SAND WITH GRAVEL (SM)	SANDY SILT (ML)	SILTY SAND WITH GRAVEL (SM)



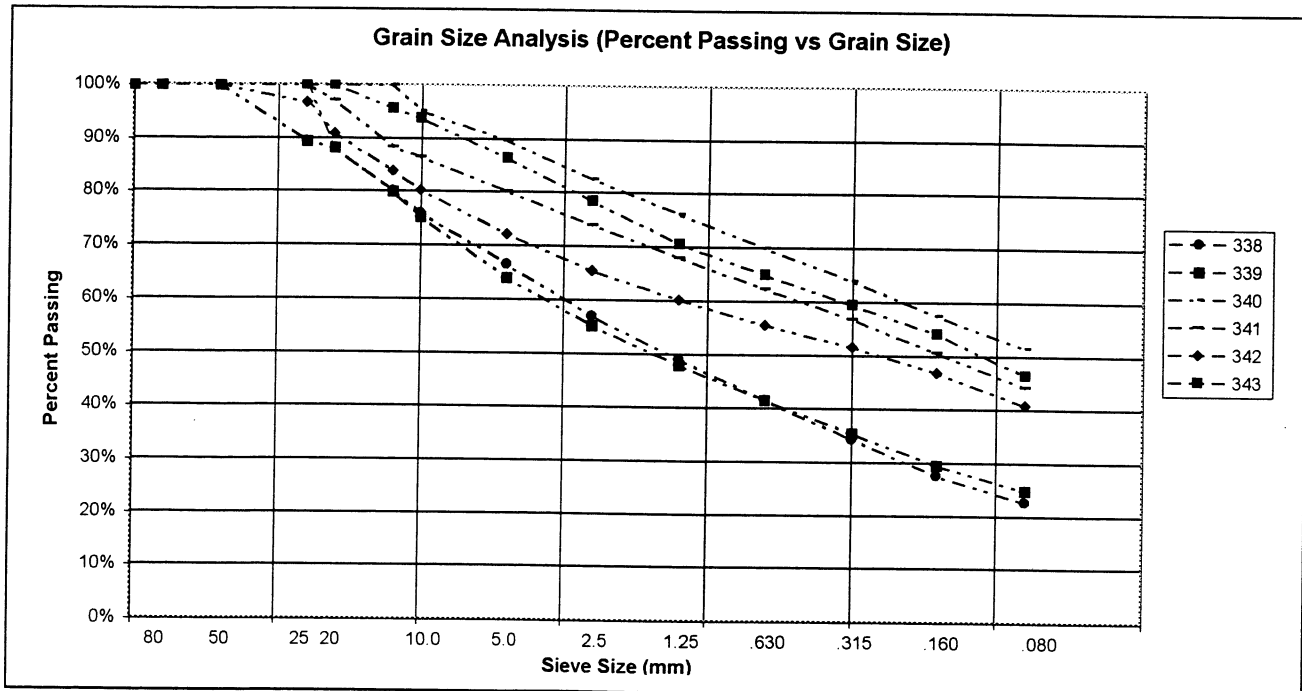


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633531-6773473
 LOGGED BY: RW

HOLE No.: 30084

DATE COMP: 08/15/2004

FIELD NO:	338	339	340	341	342	343
LAB NO:	338	339	340	341	342	343
DEPTH:	0.6-1.2	1.8-2.4	3.4-4.0	4.9-5.5	6.7-7.0	7.6-8.1
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	AUGER
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING
100.0	100%	100%	100%	100%	100%	100%
80.0	100%	100%	100%	100%	100%	100%
50.0	100%	100%	100%	100%	100%	100%
25.0	100%	89%	100%	100%	97%	100%
20.0	88%	88%	100%	97%	91%	100%
12.5	80%	80%	100%	88%	84%	96%
10.0	76%	75%	95%	87%	80%	94%
5.0	67%	64%	90%	80%	72%	86%
2.5	57%	55%	83%	74%	66%	78%
1.25	49%	48%	76%	68%	60%	71%
0.630	42%	42%	70%	62%	56%	65%
0.315	34%	36%	64%	57%	52%	59%
0.160	28%	30%	58%	51%	47%	54%
0.080	23%	25%	52%	44%	41%	46%
M.C.(%)	3%	3%	6%	6%	5%	6%
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	0.0
% GRAVEL:	33	36	10	20	28	14
% SAND:	44	39	38	36	31	40
% FINES:	23	25	52	44	41	46
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SANDY SILT (ML)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)



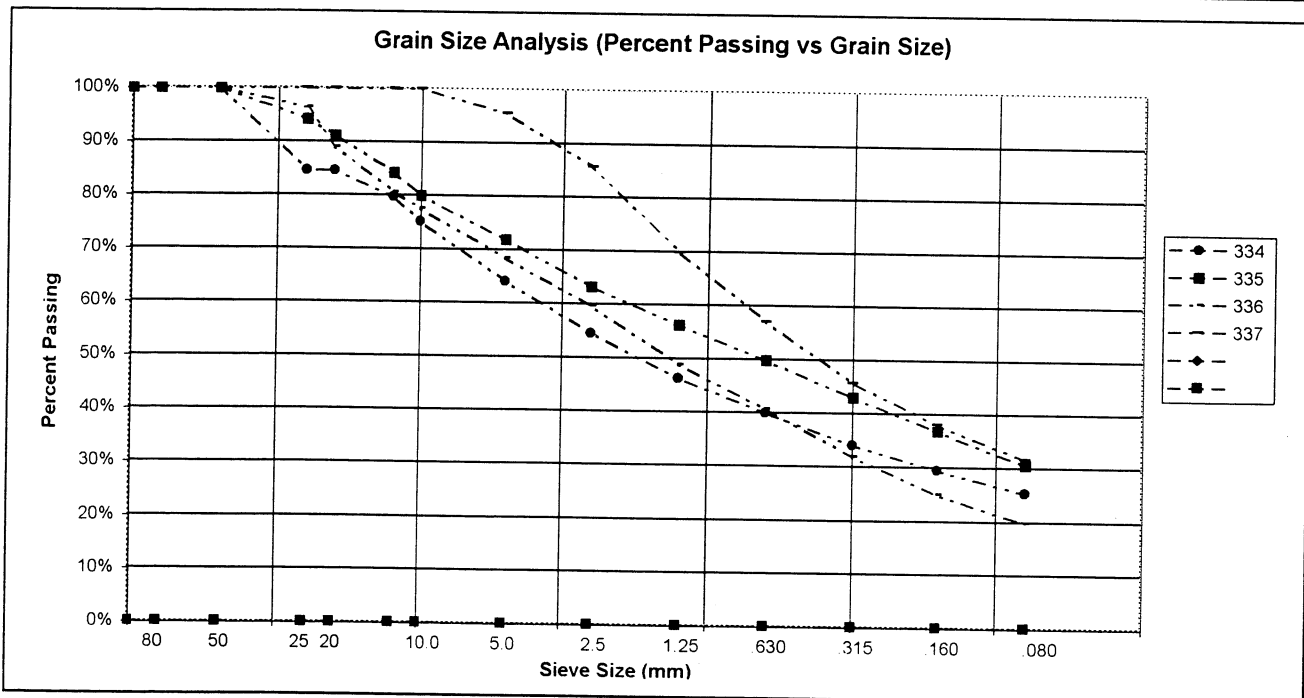


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633471-6773546
 LOGGED BY: RW

HOLE No.: 30085

DATE COMP: 08/15/2004

FIELD NO:	334	335	336	337		
LAB NO:	334	335	336	337		
DEPTH:	0.6-1.2	1.8-2.4	3.4-4.0	4.9-5.5		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	100%	100%	100%		
25.0	85%	94%	96%	100%		
20.0	85%	91%	89%	100%		
12.5	80%	84%	81%	100%		
10.0	75%	80%	78%	100%		
5.0	64%	72%	68%	95%		
2.5	55%	63%	60%	86%		
1.25	46%	56%	49%	70%		
0.630	40%	50%	41%	57%		
0.315	34%	43%	32%	46%		
0.160	30%	37%	25%	38%		
0.080	25%	31%	20%	32%		
M.C.(%)	5%	4%	3%	3%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0	0.0		
% GRAVEL:	36	28	32	5		
% SAND:	39	41	49	64		
% FINES:	25	31	20	32		
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)		





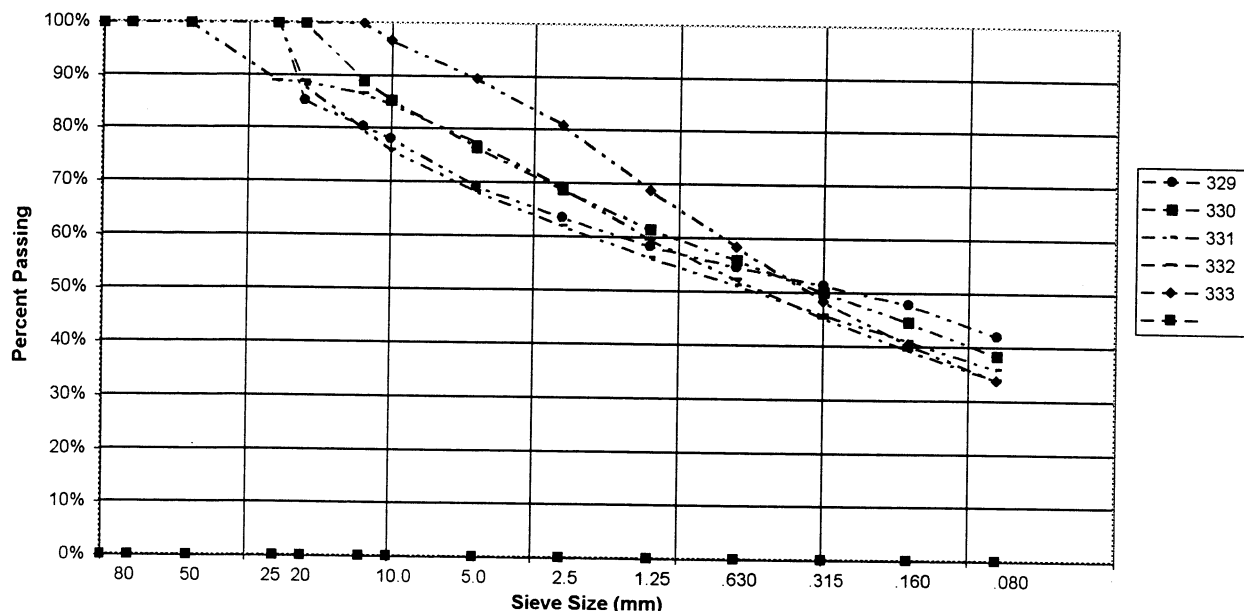
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633472-6773537
 LOGGED BY: RW

HOLE No.: 30086

DATE COMP: 08/15/2004

FIELD NO:	329	330	331	332	333	
LAB NO:	329	330	331	332	333	
DEPTH:	0.6-1.2	1.8-2.4	3.4-4.0	4.9-5.5	6.7-7.3	
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	#N/A
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%	100%	100%	
80.0	100%	100%	100%	100%	100%	
50.0	100%	100%	100%	100%	100%	
25.0	100%	100%	100%	89%	100%	
20.0	85%	100%	88%	89%	100%	
12.5	80%	89%	80%	87%	100%	
10.0	78%	85%	76%	85%	97%	
5.0	69%	77%	68%	78%	90%	
2.5	64%	69%	62%	69%	81%	
1.25	58%	62%	56%	60%	69%	
0.630	55%	56%	51%	52%	58%	
0.315	51%	50%	46%	45%	48%	
0.160	48%	45%	41%	39%	40%	
0.080	42%	38%	36%	34%	34%	
M.C.(%)	15%	10%	10%	9%	9%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC INDEX.:	0.0	0.0	0.0	0.0	0.0	
% GRAVEL:	31	23	32	22	10	
% SAND:	27	38	32	44	56	
% FINES:	42	38	36	34	34	
CLASSIFICATION	SILTY GRAVEL WITH SAND (GM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)	

Grain Size Analysis (Percent Passing vs Grain Size)



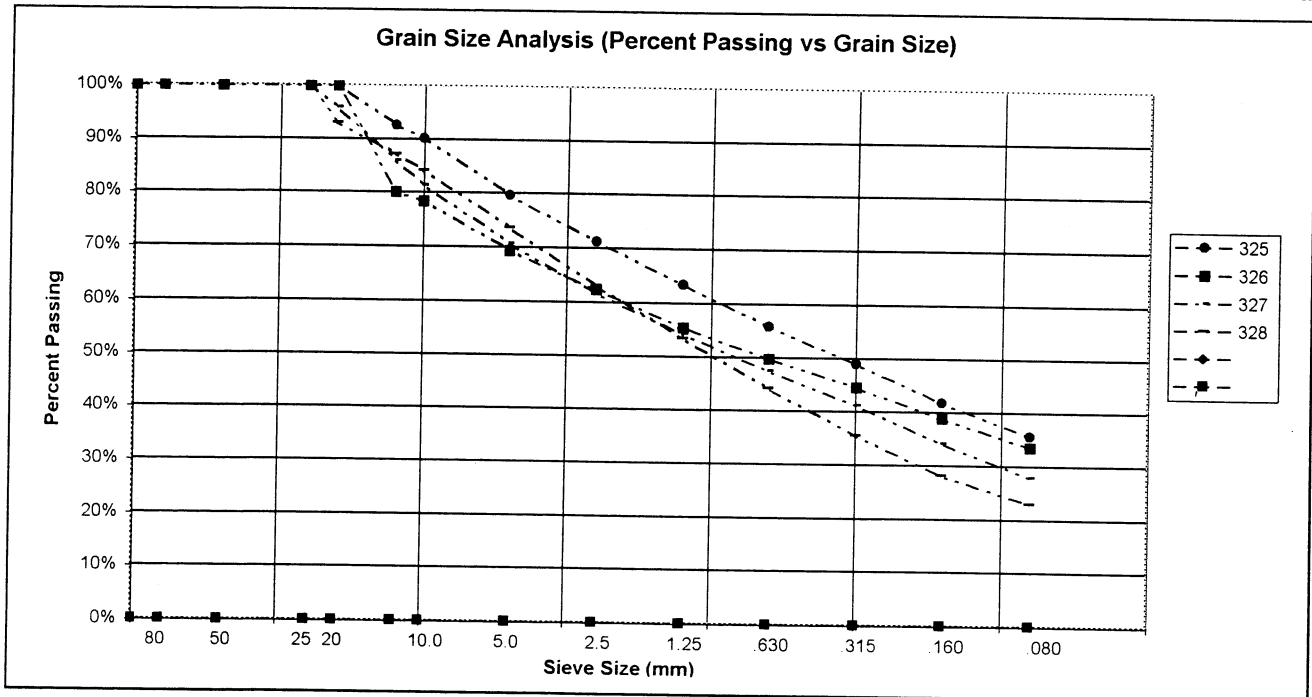


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633417-6773660
 LOGGED BY: RW

HOLE No.: 30087

DATE COMP: 08/15/2004

FIELD NO:	325	326	327	328		
LAB NO:	325	326	327	328		
DEPTH:	0.6-1.2	1.8-2.4	3.4-4.0	4.9-5.5		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	100%	100%	100%		
25.0	100%	100%	100%	100%		
20.0	100%	100%	96%	93%		
12.5	93%	80%	86%	87%		
10.0	90%	78%	81%	84%		
5.0	80%	69%	71%	74%		
2.5	71%	62%	62%	63%		
1.25	64%	56%	54%	53%		
0.630	56%	50%	47%	44%		
0.315	49%	45%	41%	36%		
0.160	42%	39%	34%	28%		
0.080	36%	34%	28%	23%		
M.C.(%):	6%	6%	4%	5%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0	0.0		
% GRAVEL:	20	31	29	26		
% SAND:	44	36	43	51		
% FINES:	36	34	28	23		
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)		





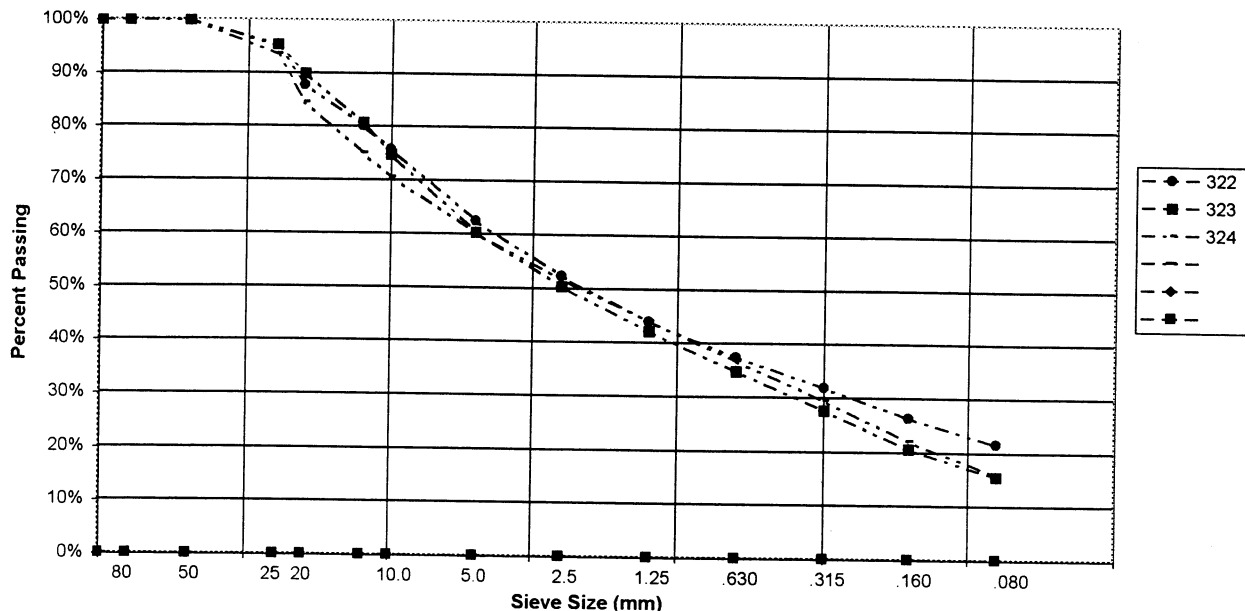
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633423-6773651
 LOGGED BY: RW

HOLE No.: 30088

DATE COMP: 08/15/2004

FIELD NO:	322	323	324		
LAB NO:	322	323	324		
DEPTH:	0.9-1.2	1.8-2.4	3.4-4.0		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	95%	95%	94%		
20.0	88%	90%	84%		
12.5	80%	81%	75%		
10.0	76%	75%	71%		
5.0	62%	60%	60%		
2.5	52%	50%	52%		
1.25	44%	42%	44%		
0.630	37%	35%	37%		
0.315	32%	28%	30%		
0.160	26%	21%	22%		
0.080	22%	16%	16%		
M.C.(%):	4%	3%	2%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0		
% GRAVEL:	38	40	40		
% SAND:	41	45	44		
% FINES:	22	16	16		
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)		

Grain Size Analysis (Percent Passing vs Grain Size)



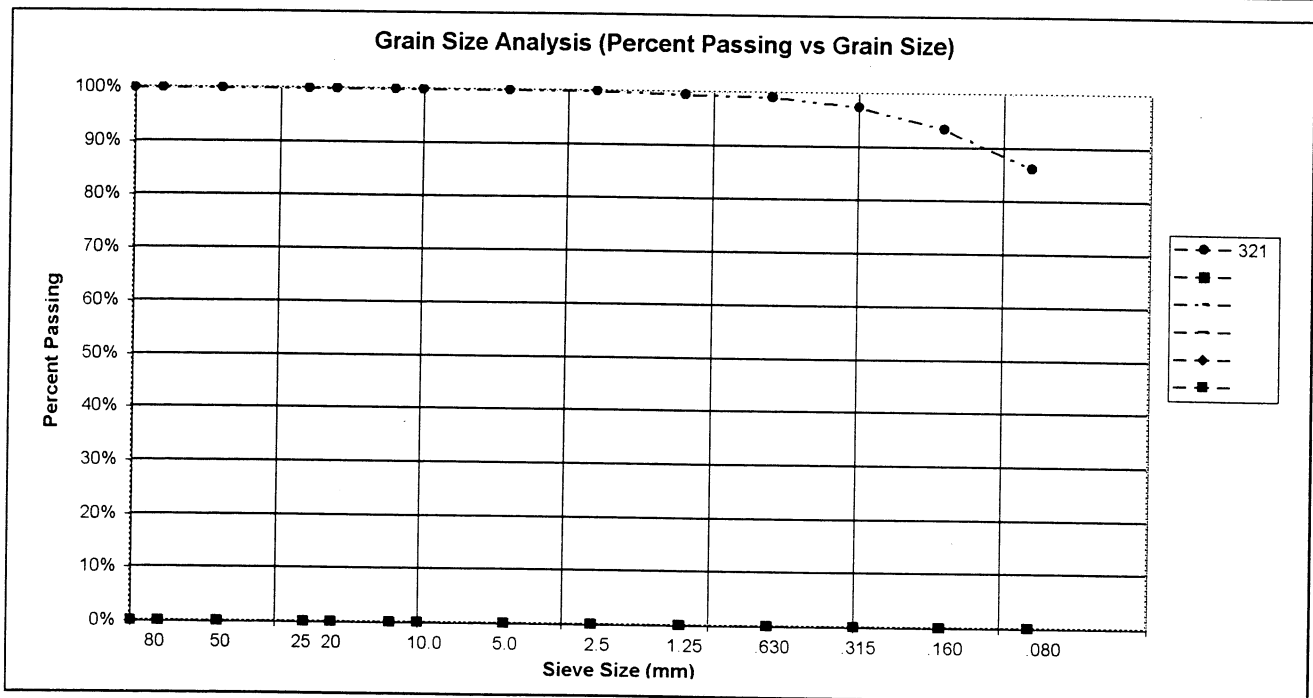


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633338-6773776
 LOGGED BY: RW

HOLE No.: 30089

DATE COMP: 08/15/2004

FIELD NO:	321				
LAB NO:	321				
DEPTH:	0.0-0.6				
TYPE:	AUGER				
SIEVE SIZE	PERCENT PASSING				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	100%				
20.0	100%				
12.5	100%				
10.0	100%				
5.0	100%				
2.5	100%				
1.25	100%				
0.630	99%				
0.315	97%				
0.160	93%				
0.080	86%				
M.C.(%):	13%				
LIQUID LIMIT:	0.0				
PLASTIC LIMIT:	0.0				
PLASTIC INDEX:	0.0				
% GRAVEL:	0				
% SAND:	14				
% FINES:	86				
CLASSIFICATION	SILT (ML)				



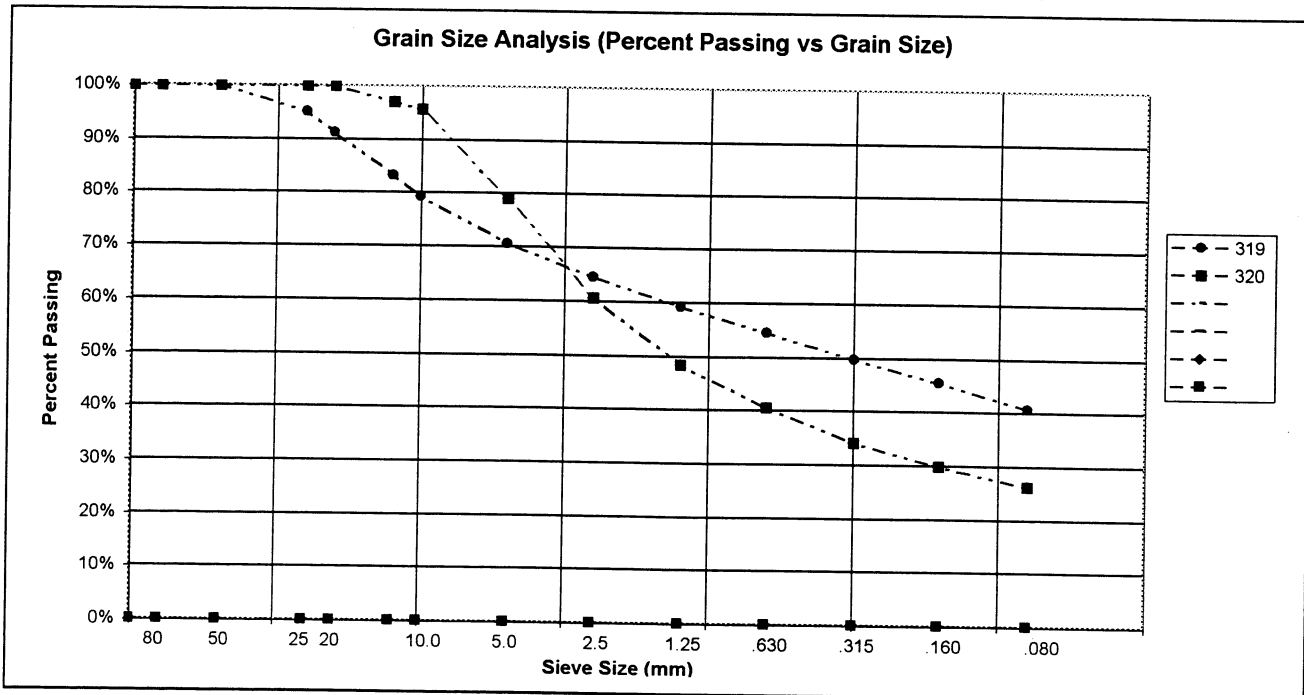


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633337-6773786
 LOGGED BY: RW

HOLE No.: 30090

DATE COMP: 08/15/2004

FIELD NO:	319	320			
LAB NO:	319	320			
DEPTH:	0.5-1.0	1.2-1.5			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	95%	100%			
20.0	91%	100%			
12.5	83%	97%			
10.0	79%	96%			
5.0	71%	79%			
2.5	65%	61%			
1.25	59%	48%			
0.630	55%	41%			
0.315	50%	34%			
0.160	46%	30%			
0.080	41%	26%			
M.C.(%):	6%	3%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0			
% GRAVEL:	29	21			
% SAND:	30	53			
% FINES:	41	26			
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)			





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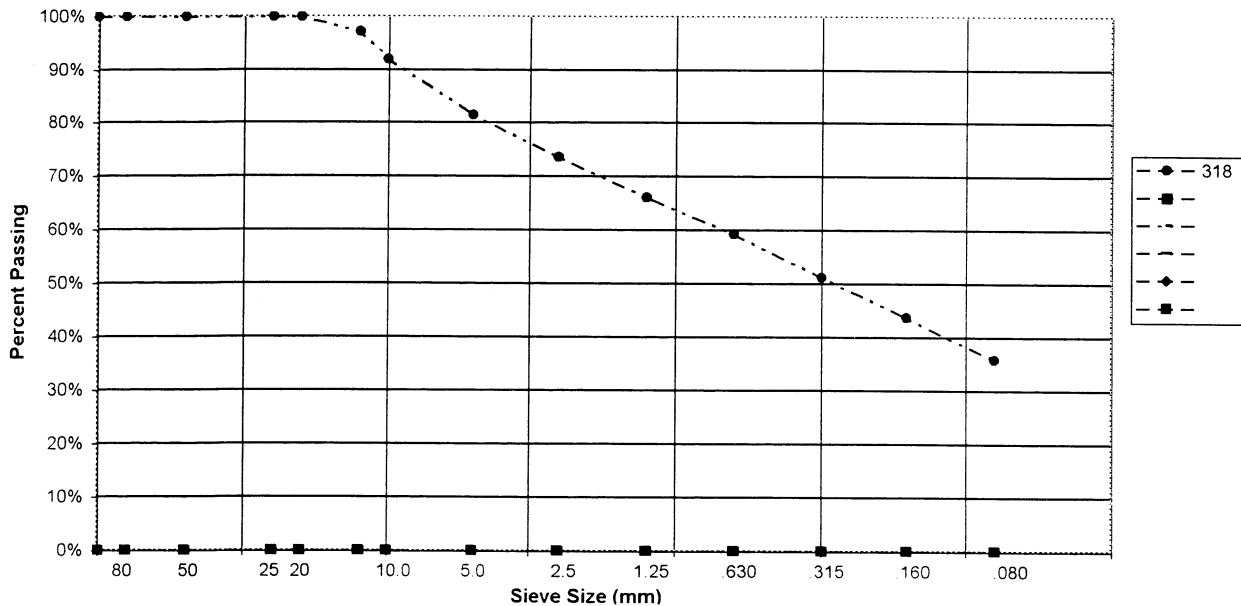
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633259-6773906
 LOGGED BY: RW

HOLE No.: 30091

DATE COMP: 08/15/2004

FIELD NO:	318				
LAB NO:	318				
DEPTH:	0.5-0.9				
TYPE:	AUGER				
SIEVE SIZE	PERCENT PASSING				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	100%				
20.0	100%				
12.5	97%				
10.0	92%				
5.0	82%				
2.5	74%				
1.25	66%				
0.630	59%				
0.315	51%				
0.160	44%				
0.080	36%				
M.C.(%):	5%				
LIQUID LIMIT:	0.0				
PLASTIC LIMIT:	0.0				
PLASTIC INDEX:	0.0				
% GRAVEL:	18				
% SAND:	46				
% FINES:	36				
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)				

Grain Size Analysis (Percent Passing vs Grain Size)





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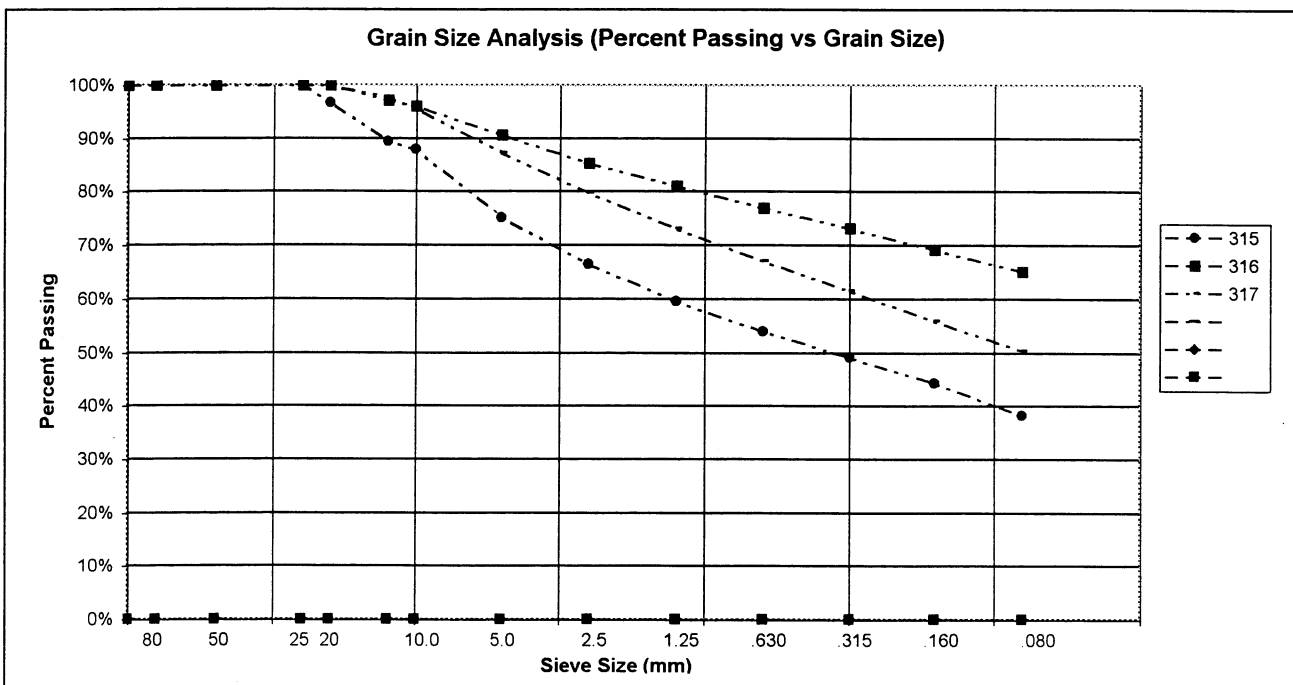


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633261-6773901
 LOGGED BY: RW

HOLE No.: 30092

DATE COMP: 08/15/2004

FIELD NO:	315	316	317		
LAB NO:	315	316	317		
DEPTH:	0.4-1.0	1.8-2.4	3.7-4.3		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	100%	100%	100%		
20.0	97%	100%	100%		
12.5	89%	97%	98%		
10.0	88%	96%	96%		
5.0	75%	91%	87%		
2.5	67%	85%	80%		
1.25	60%	81%	73%		
0.630	54%	77%	67%		
0.315	49%	73%	62%		
0.160	44%	69%	56%		
0.080	38%	65%	50%		
M.C.(%)	13%	18%	11%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX:	0.0	0.0	0.0		
% GRAVEL:	25	9	13		
% SAND:	37	25	37		
% FINES:	38	65	50		
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SANDY SILT (ML)	SANDY SILT (ML)		



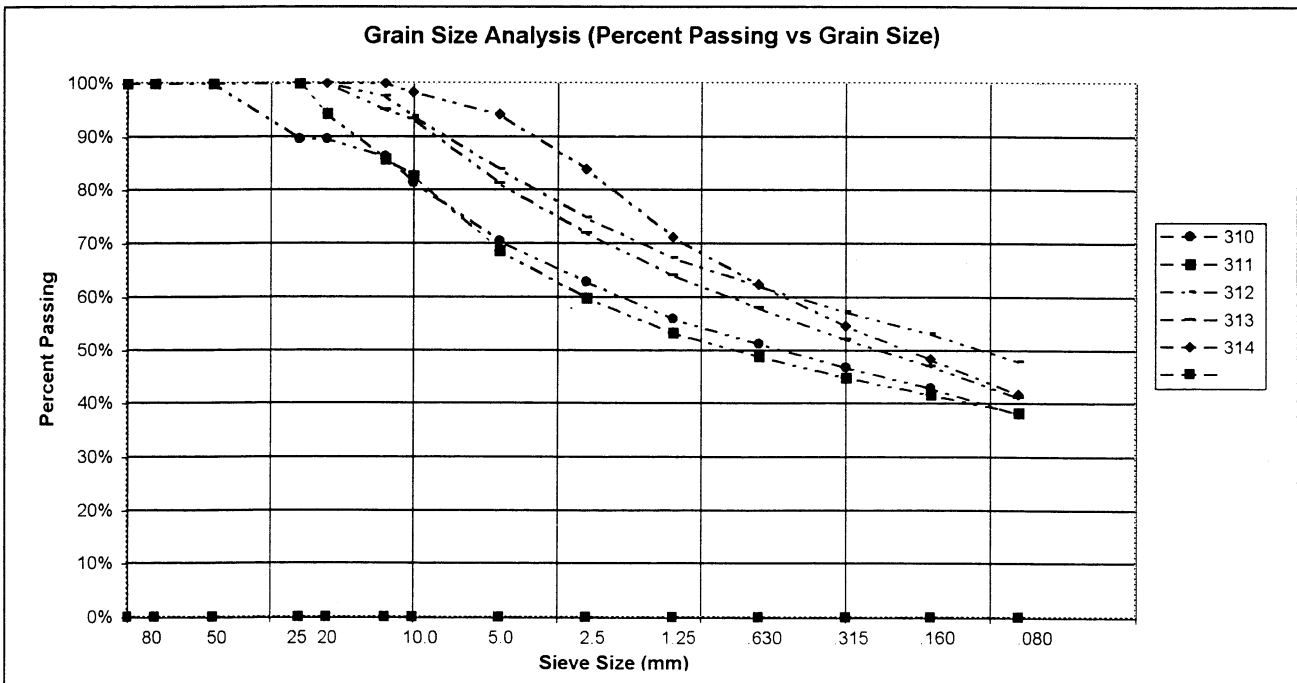


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633168-6774005
 LOGGED BY: RW

HOLE No.: 30093

DATE COMP: 08/15/2004

FIELD NO:	310	311	312	313	314	
LAB NO:	310	311	312	313	314	
DEPTH:	0.3-0.9	1.8-2.4	3.4-4.0	4.9-5.5	6.7-7.0	
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	#N/A
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%	100%	100%	
80.0	100%	100%	100%	100%	100%	
50.0	100%	100%	100%	100%	100%	
25.0	90%	100%	100%	100%	100%	
20.0	90%	94%	100%	100%	100%	
12.5	86%	86%	98%	95%	100%	
10.0	81%	83%	94%	93%	98%	
5.0	71%	69%	84%	81%	94%	
2.5	63%	60%	75%	72%	84%	
1.25	56%	53%	67%	64%	71%	
0.630	51%	49%	62%	58%	62%	
0.315	47%	45%	57%	52%	55%	
0.160	43%	42%	53%	47%	48%	
0.080	38%	38%	48%	41%	42%	
M.C.(%):	20%	15%	16%	13%	9%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC INDEX.:	0.0	0.0	0.0	0.0	0.0	
% GRAVEL:	29	31	16	19	6	
% SAND:	32	30	36	40	52	
% FINES:	38	38	48	41	42	
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY GRAVEL WITH SAND (GM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)	



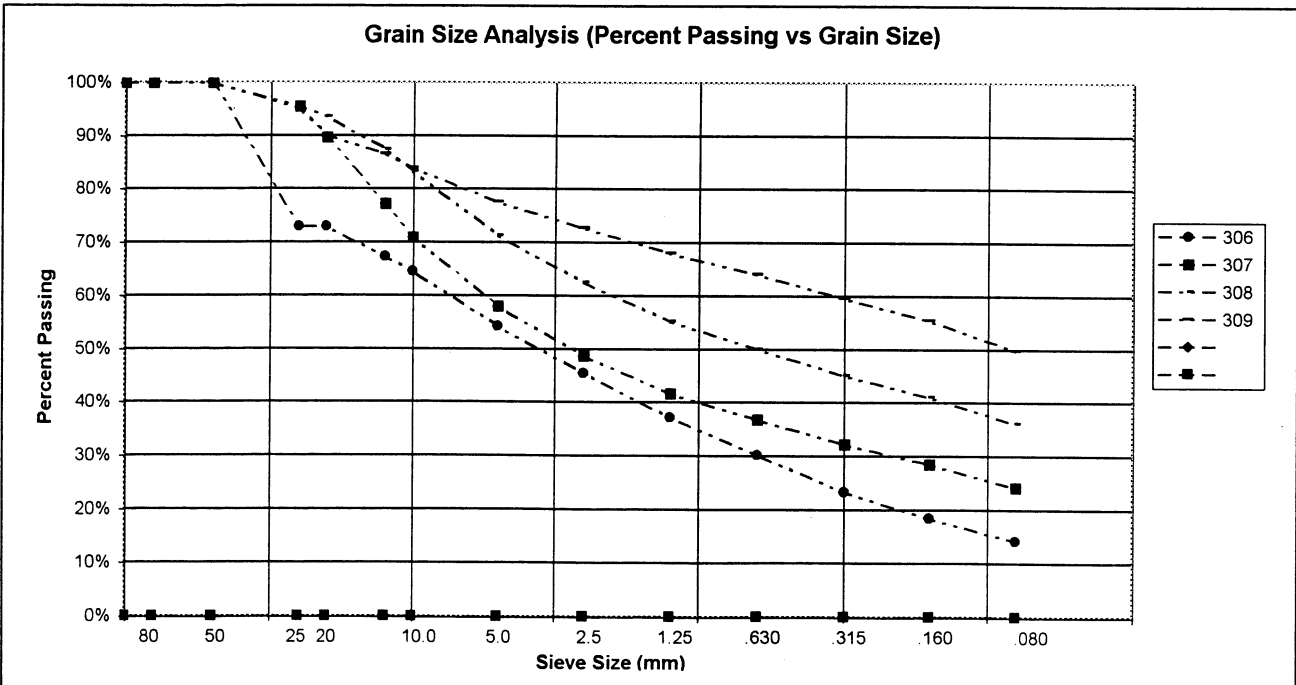


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633158-6774008
 LOGGED BY: RW

HOLE No.: 30094

DATE COMP: 08/15/2004

FIELD NO:	306	307	308	309	
LAB NO:	306	307	308	309	
DEPTH:	0.8-1.3	1.8-2.4	3.4-4.0	5.3-5.8	
TYPE:	AUGER	AUGER	AUGER	AUGER	
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%	100%	
80.0	100%	100%	100%	100%	
50.0	100%	100%	100%	100%	
25.0	73%	95%	96%	95%	
20.0	73%	90%	94%	90%	
12.5	67%	77%	87%	87%	
10.0	65%	71%	83%	84%	
5.0	54%	58%	71%	78%	
2.5	45%	49%	63%	73%	
1.25	37%	42%	55%	68%	
0.630	30%	37%	50%	64%	
0.315	23%	32%	45%	60%	
0.160	19%	29%	41%	56%	
0.080	14%	24%	36%	50%	
M.C.(%)	5%	8%	11%	13%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	
PLASTIC INDEX:	0.0	0.0	0.0	0.0	
% GRAVEL:	46	42	29	22	
% SAND:	40	34	35	28	
% FINES:	14	24	36	50	
CLASSIFICATION	SILTY GRAVEL WITH SAND (GM)	SILTY GRAVEL WITH SAND (GM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	





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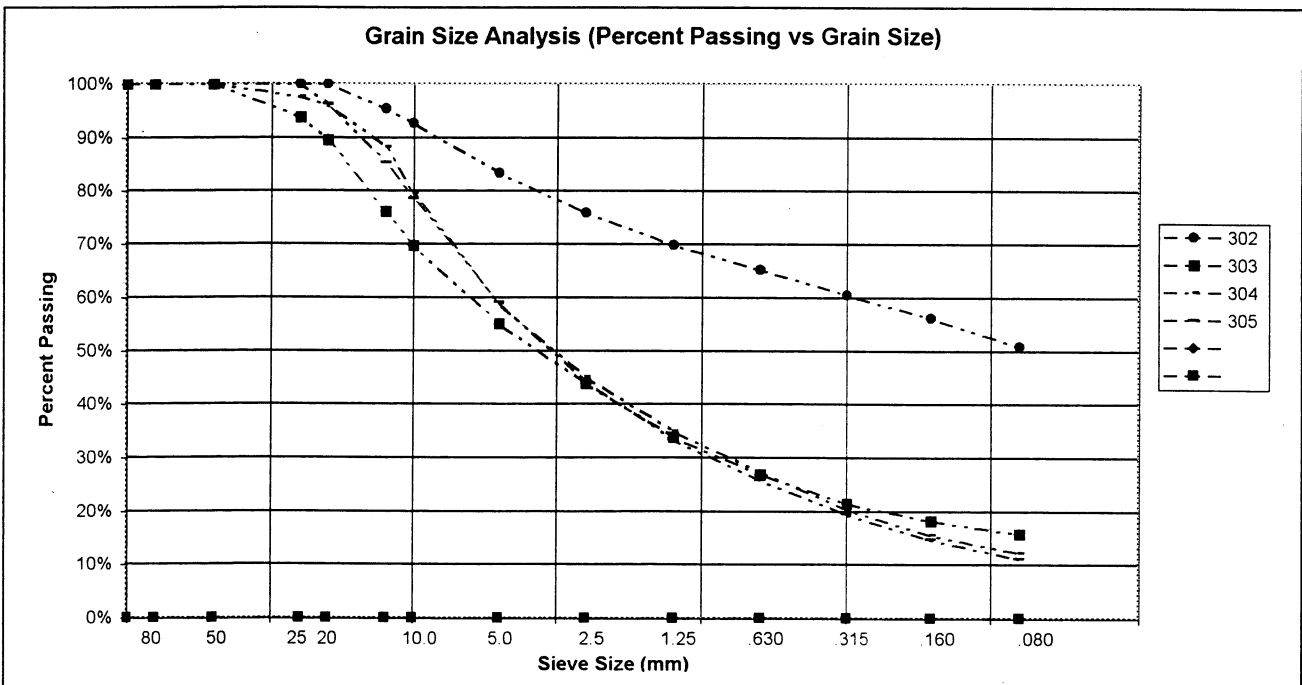


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633072-6774135
 LOGGED BY: RW

HOLE No.: 30095

DATE COMP: 08/15/2004

FIELD NO:	302	303	304	305		
LAB NO:	302	303	304	305		
DEPTH:	0.3-0.9	2.1-2.4	3.4-4.0	4.9-5.5		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	100%	100%	100%		
25.0	100%	94%	98%	100%		
20.0	100%	90%	96%	96%		
12.5	95%	76%	88%	85%		
10.0	93%	70%	80%	79%		
5.0	83%	55%	59%	59%		
2.5	76%	44%	45%	44%		
1.25	70%	34%	35%	33%		
0.630	65%	27%	27%	26%		
0.315	61%	22%	20%	19%		
0.160	56%	18%	16%	15%		
0.080	51%	16%	12%	11%		
M.C.(%):	18%	5%	7%	6%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX:	0.0	0.0	0.0	0.0		
% GRAVEL:	17	45	41	41		
% SAND:	32	39	47	48		
% FINES:	51	16	12	11		
CLASSIFICATION	SANDY SILT WITH GRAVEL (ML)	SILTY GRAVEL WITH SAND (GM)	SILTY SAND WITH GRAVEL (SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)		



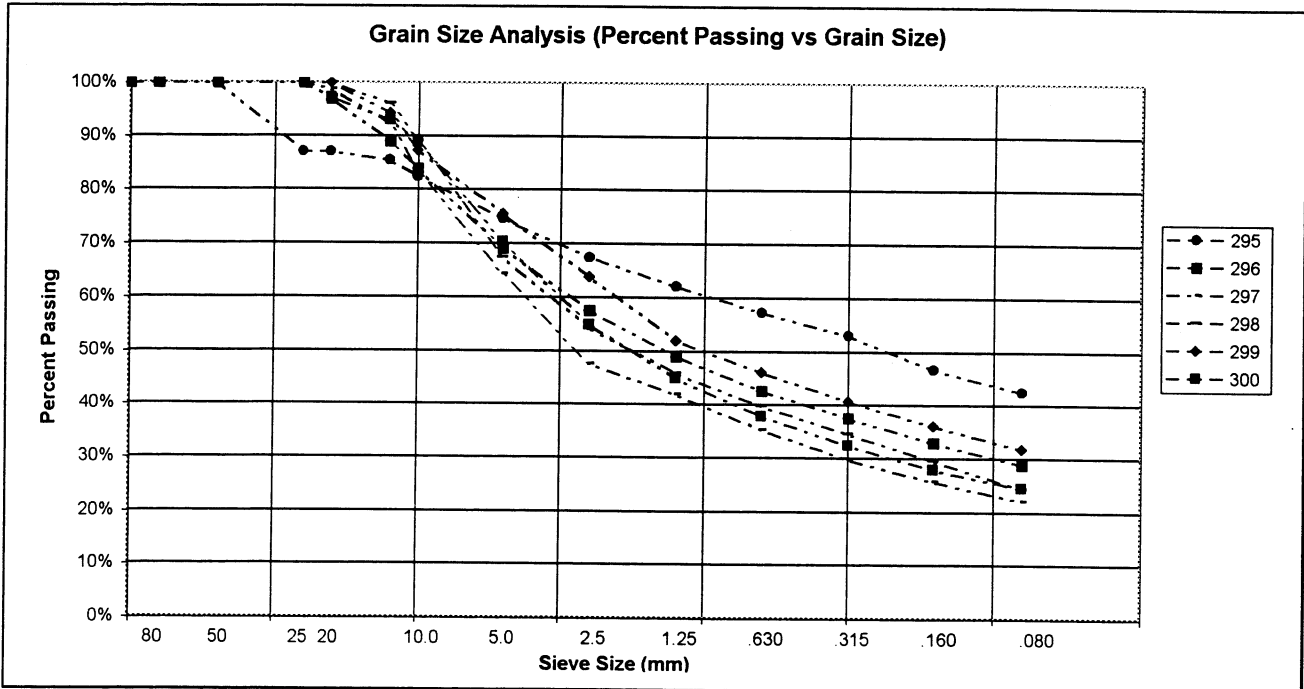


PROJECT NUMBER: 8002-318
CLIENT: YTG, Transportation & Engineering
PROJECT NAME: Geotechnical Services
PROJECT LOCATION: Km 1691.7-1717.3
DRILL UNIT: CME75
HOLE LOCATION: 633067-6774137
LOGGED BY: RW

HOLE No.: 30096

DATE COMP: 08/14/2004

Table with 7 columns: FIELD NO., LAB NO., DEPTH, TYPE, SIEVE SIZE, PERCENT PASSING, and CLASSIFICATION. It contains data for samples 295 through 300, including sieve analysis results and soil classification (Silty Sand with Gravel (SM)).





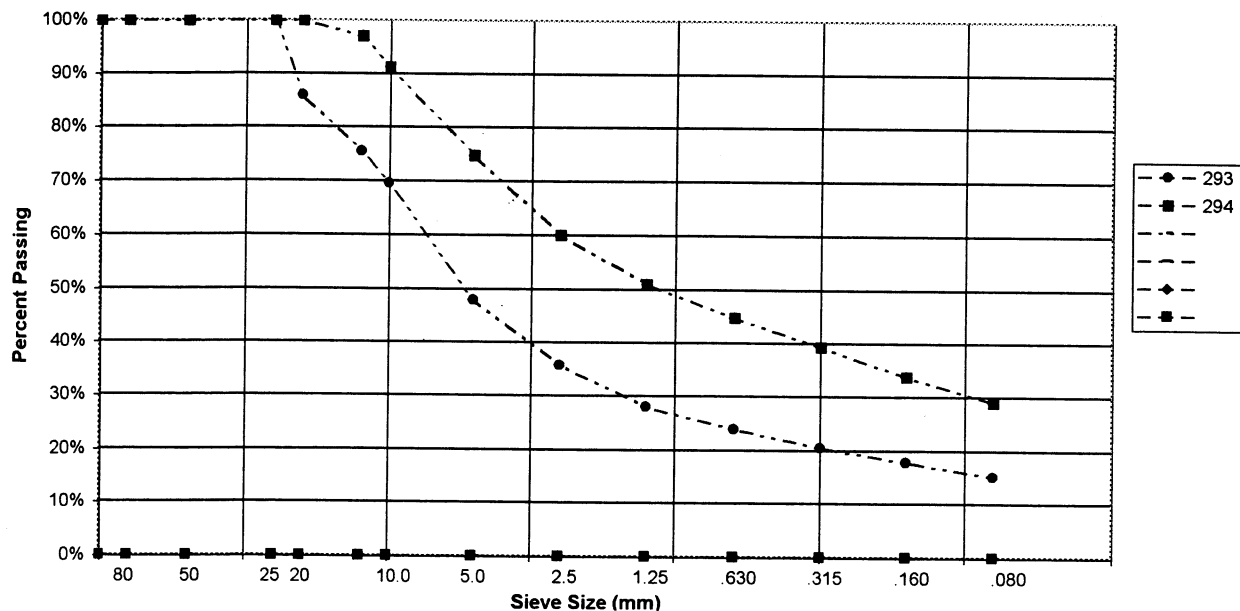
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633007-6774212
 LOGGED BY: RW

HOLE No.: 30097

DATE COMP: 08/14/2004

FIELD NO:	293	294			
LAB NO:	293	294			
DEPTH:	0.6-1.2	1.8-2.4			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	100%	100%			
20.0	86%	100%			
12.5	76%	97%			
10.0	70%	91%			
5.0	48%	75%			
2.5	36%	60%			
1.25	28%	51%			
0.630	24%	45%			
0.315	21%	39%			
0.160	18%	34%			
0.080	15%	29%			
M.C.(%):	7%	14%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	52	25			
% SAND:	33	46			
% FINES:	15	29			
CLASSIFICATION	SILTY GRAVEL WITH SAND (GM)	SILTY SAND WITH GRAVEL (SM)			

Grain Size Analysis (Percent Passing vs Grain Size)





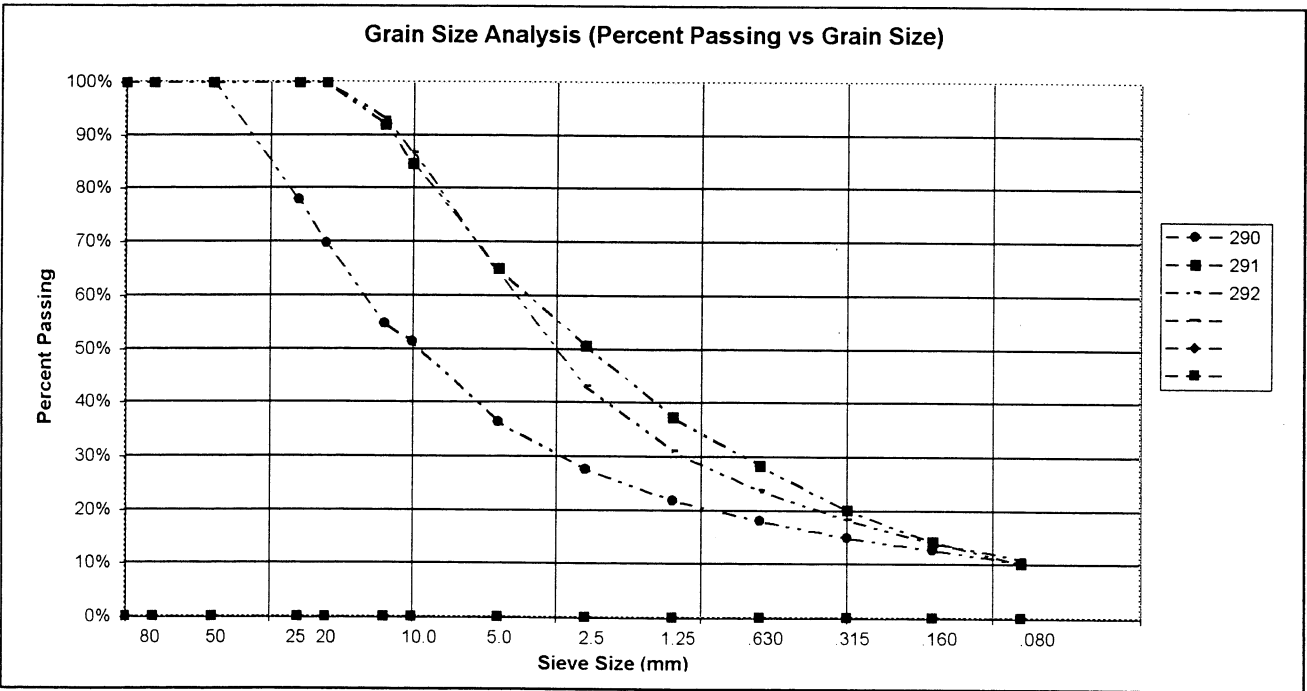
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PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633003-6774206
 LOGGED BY: RW
 HOLE No.: 30098
 DATE COMP: 08/14/2004

FIELD NO:	290	291	292		
LAB NO:	290	291	292		
DEPTH:	0.3-0.9	1.8-2.4	3.4-4.0		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	78%	100%	100%		
20.0	70%	100%	100%		
12.5	55%	92%	93%		
10.0	51%	85%	87%		
5.0	36%	65%	64%		
2.5	28%	51%	43%		
1.25	22%	37%	31%		
0.630	18%	28%	24%		
0.315	15%	20%	18%		
0.160	13%	14%	14%		
0.080	10%	10%	11%		
M.C.(%):	3%	5%	6%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0		
% GRAVEL:	64	35	36		
% SAND:	26	55	53		
% FINES:	10	10	11		
CLASSIFICATION	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)		





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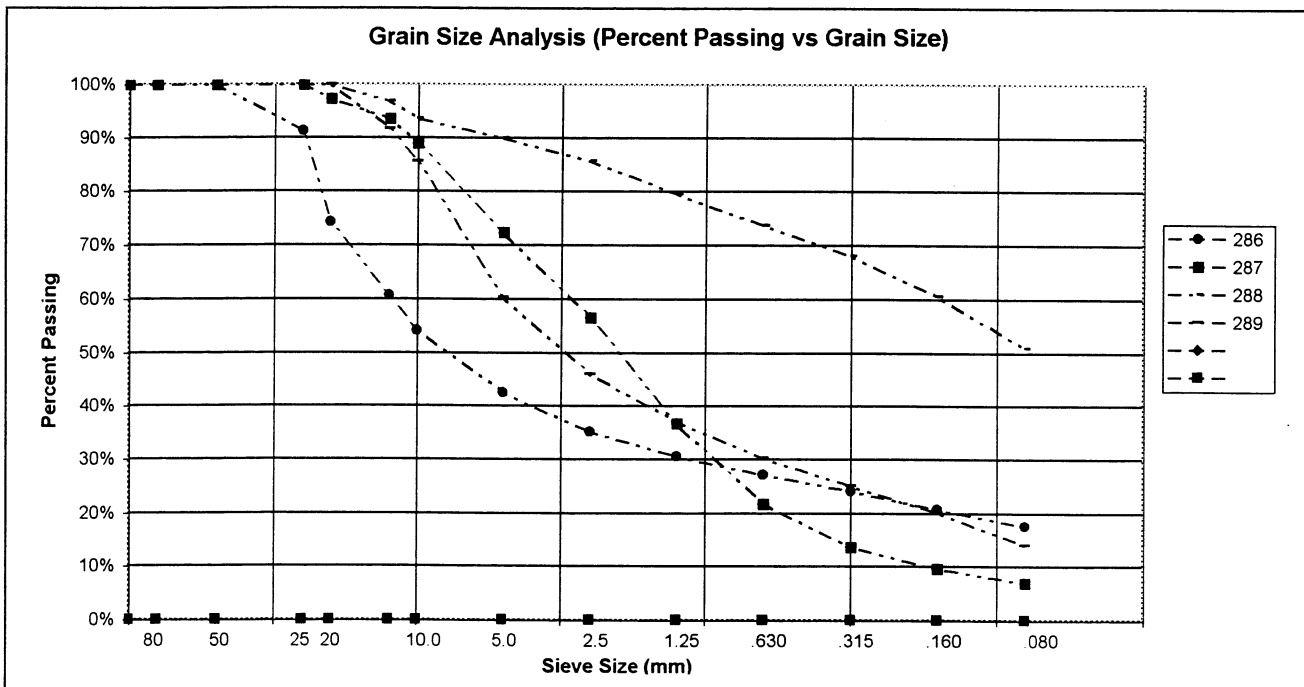


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632521-6775027
 LOGGED BY: RW

HOLE No.: 30099

DATE COMP: 08/14/2004

FIELD NO:	286	287	288	289		
LAB NO:	286	287	288	289		
DEPTH:	0.3-0.9	1.8-2.4	3.0-3.7	4.1-4.4		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	100%	100%	100%		
25.0	91%	100%	100%	100%		
20.0	74%	97%	100%	100%		
12.5	61%	94%	97%	92%		
10.0	54%	89%	94%	86%		
5.0	43%	72%	90%	60%		
2.5	35%	57%	86%	46%		
1.25	31%	37%	80%	37%		
0.630	27%	22%	74%	30%		
0.315	24%	14%	68%	25%		
0.160	21%	10%	61%	20%		
0.080	18%	7%	51%	14%		
M.C.(%):	7%	11%	60%	13%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX:	0.0	0.0	0.0	0.0		
% GRAVEL:	57	28	10	40		
% SAND:	25	65	39	46		
% FINES:	18	7	51	14		
CLASSIFICATION	SILTY GRAVEL WITH SAND (GM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SANDY SILT (ML)	SILTY SAND WITH GRAVEL (SM)		





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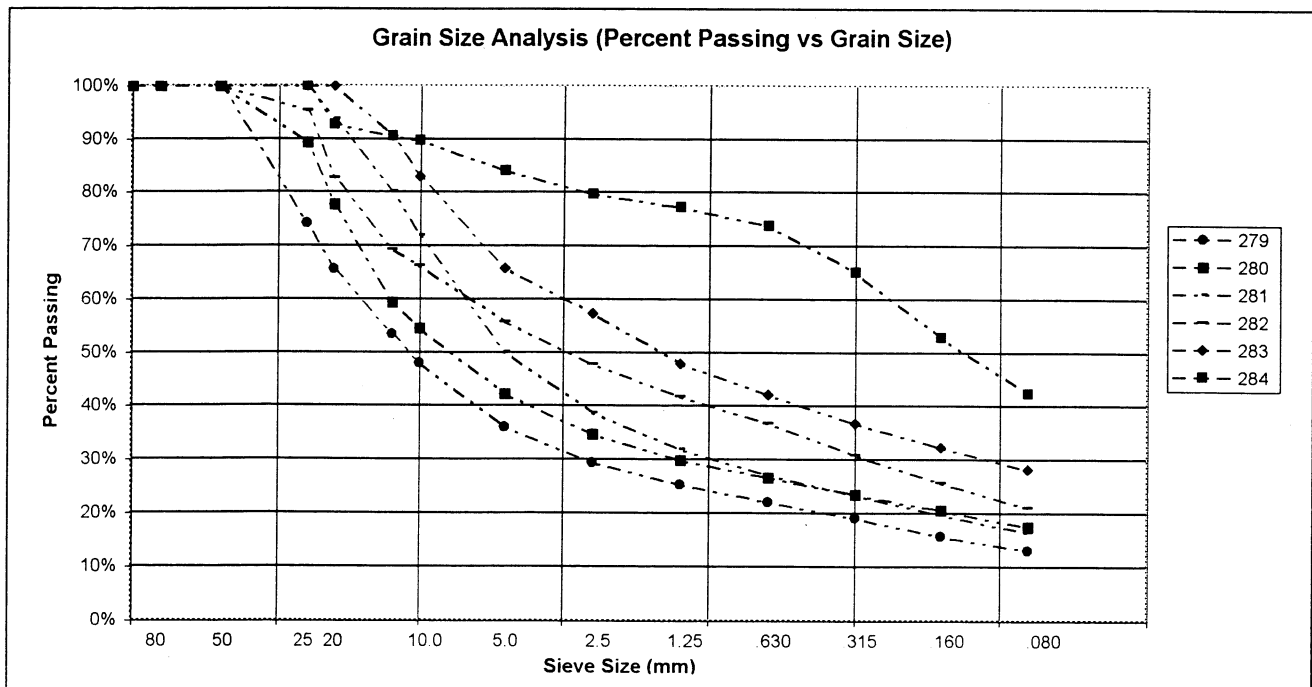


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632523-6775028
 LOGGED BY: RW

HOLE No.: 30100

DATE COMP: 08/14/2004

FIELD NO:	279	280	281	282	283	284
LAB NO:	279	280	281	282	283	284
DEPTH:	0.6-1.2	1.8-2.4	3.4-4.3	4.9-5.5	6.4-7.3	8.2-8.8
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	AUGER
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING
100.0	100%	100%	100%	100%	100%	100%
80.0	100%	100%	100%	100%	100%	100%
50.0	100%	100%	100%	100%	100%	100%
25.0	74%	89%	100%	95%	100%	100%
20.0	66%	78%	94%	83%	100%	93%
12.5	53%	59%	80%	69%	91%	91%
10.0	48%	55%	72%	66%	83%	90%
5.0	36%	42%	50%	56%	66%	84%
2.5	29%	35%	39%	48%	57%	80%
1.25	25%	30%	32%	42%	48%	77%
0.630	22%	27%	27%	37%	42%	74%
0.315	19%	23%	23%	31%	37%	65%
0.160	16%	21%	20%	26%	32%	53%
0.080	13%	18%	16%	21%	28%	42%
M.C.(%):	7%	7%	6%	10%	12%	13%
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	0.0
% GRAVEL:	64	58	50	44	34	16
% SAND:	23	25	34	35	38	42
% FINES:	13	18	16	21	28	42
CLASSIFICATION	SILTY GRAVEL WITH SAND (GM)	SILTY GRAVEL WITH SAND (GM)	SILTY GRAVEL WITH SAND (GM)	SILTY GRAVEL WITH SAND (GM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)





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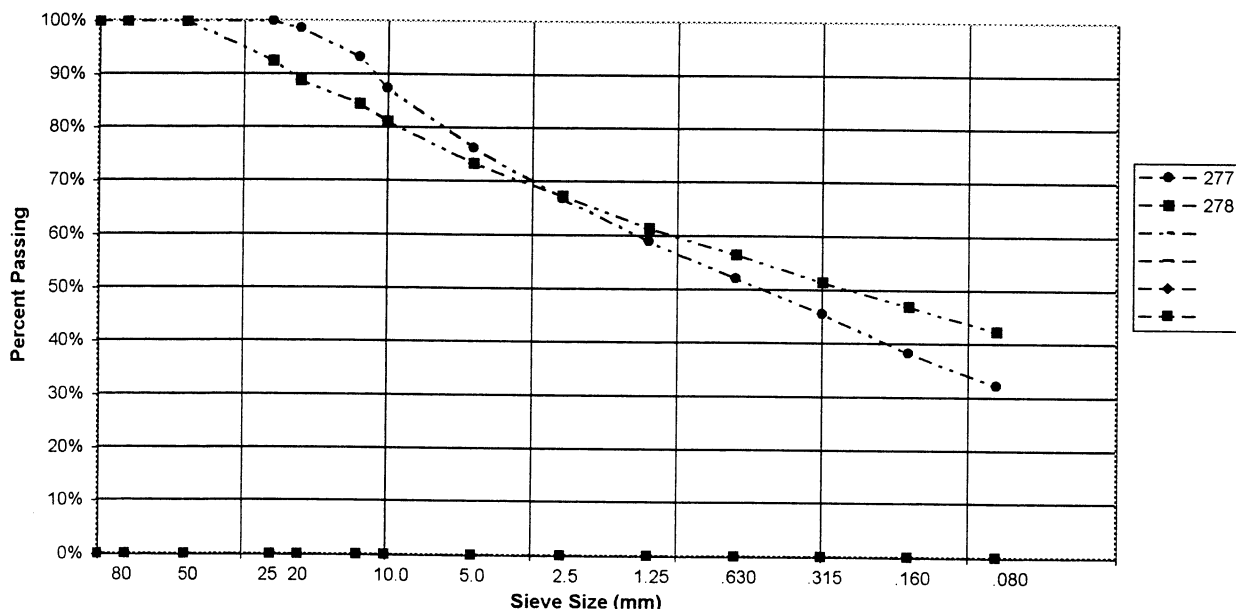
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632580-6775069
 LOGGED BY: RW

HOLE No.: 30101

DATE COMP: 08/14/2004

FIELD NO:	277	278			
LAB NO:	277	278			
DEPTH:	0.4-1.0	1.8-2.4			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	100%	93%			
20.0	99%	89%			
12.5	93%	85%			
10.0	87%	81%			
5.0	76%	73%			
2.5	67%	67%			
1.25	59%	61%			
0.630	52%	57%			
0.315	46%	51%			
0.160	38%	47%			
0.080	32%	42%			
M.C.(%)	4%	6%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0			
% GRAVEL:	24	27			
% SAND:	44	31			
% FINES:	32	42			
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)			

Grain Size Analysis (Percent Passing vs Grain Size)



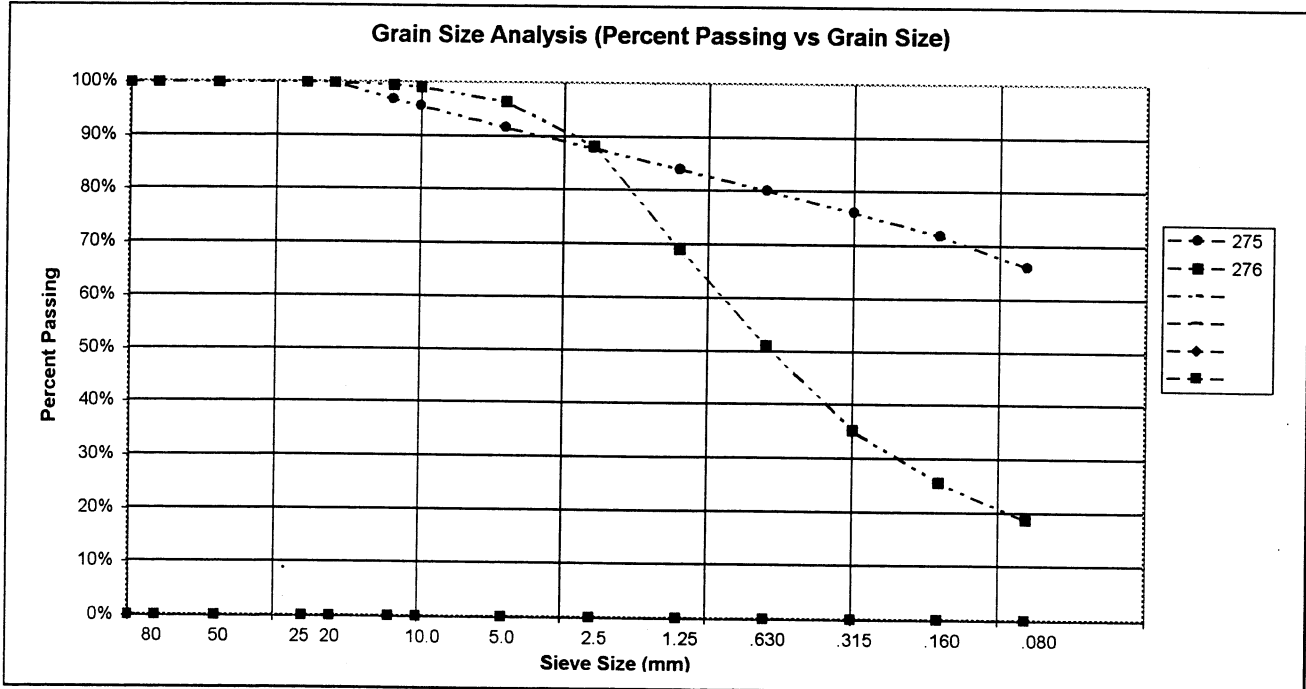


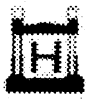
PROJECT NUMBER: 8002-318
CLIENT: YTG, Transportation & Engineering
PROJECT NAME: Geotechnical Services
PROJECT LOCATION: Km 1691.7-1717.3
DRILL UNIT: CME75
HOLE LOCATION: 632578-6775066
LOGGED BY: RW

HOLE No.: 30102

DATE COMP: 08/14/2004

Table with columns for Field No., Lab No., Depth, Type, Sieve Size, Percent Passing, M.C. (%), Liquid Limit, Plastic Limit, Plastic Index, % Gravel, % Sand, % Fines, and Classification. It compares data for two samples, 275 and 276.



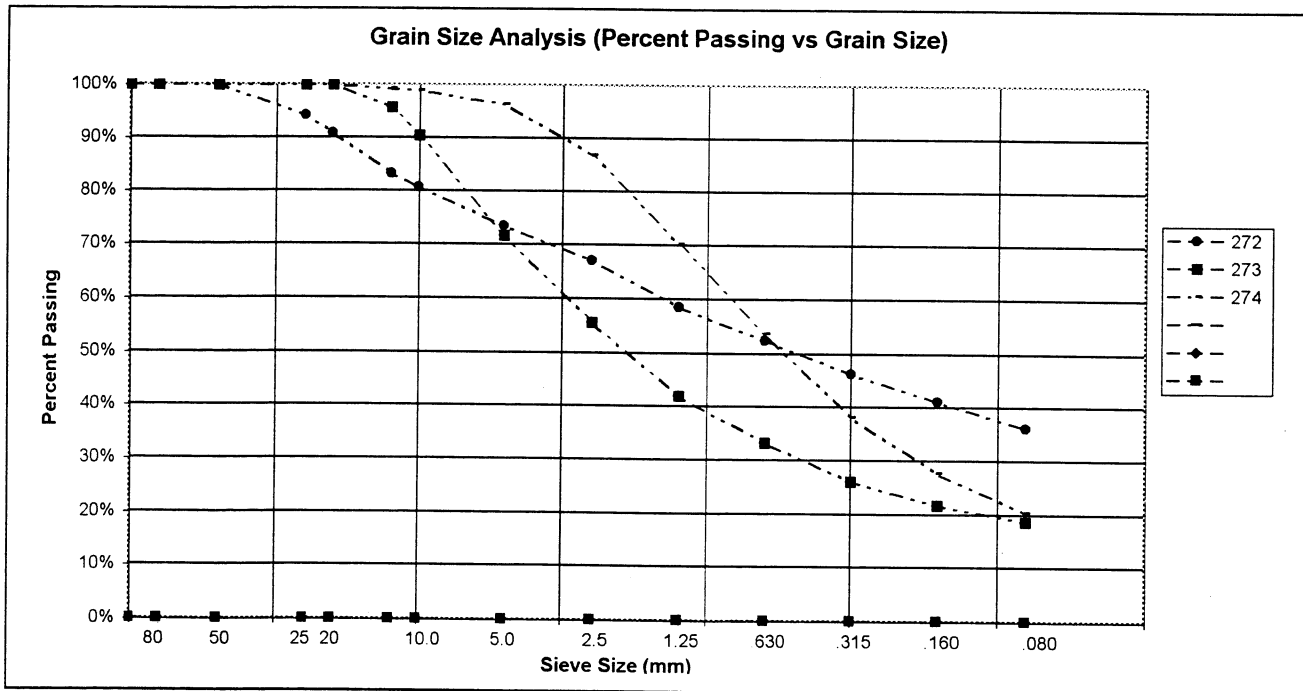


PROJECT NUMBER: 8002-318
CLIENT: YTG, Transportation & Engineering
PROJECT NAME: Geotechnical Services
PROJECT LOCATION: Km 1691.7-1717.3
DRILL UNIT: CME75
HOLE LOCATION: 632657-6775120
LOGGED BY: RW

HOLE No.: 30103

DATE COMP: 08/14/2004

Table with columns for Field No., Lab No., Depth, Type, Sieve Size, Percent Passing, and Classification. It contains data for three samples (272, 273, 274) and lists various sieve sizes from 100.0 to 0.080 mm, along with M.C., Liquid Limit, Plastic Limit, Plastic Index, and percentage of gravel, sand, and fines.





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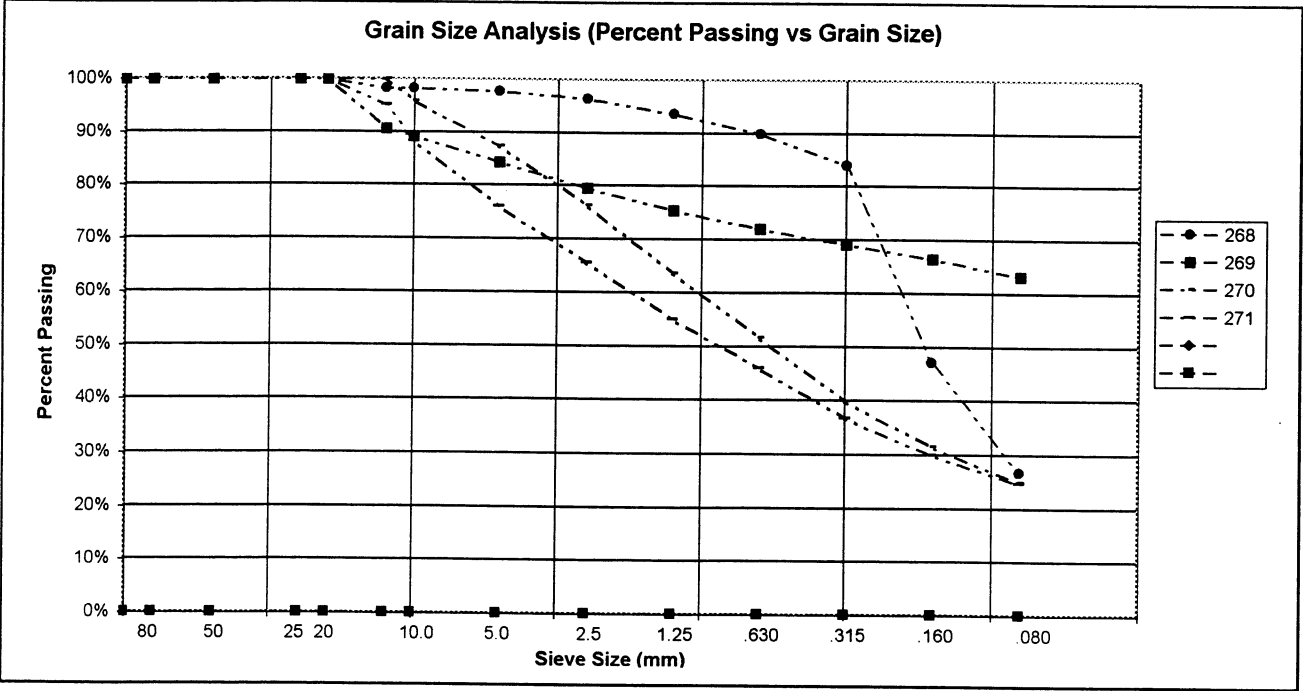


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632665-6775122
 LOGGED BY: RW

HOLE No.: 30104

DATE COMP: 08/13/2004

FIELD NO:	268	269	270	271		
LAB NO:	268	269	270	271		
DEPTH:	0.3-0.9	1.8-2.4	3.4-3.7	3.7-4.3		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	100%	100%	100%		
25.0	100%	100%	100%	100%		
20.0	100%	100%	100%	100%		
12.5	98%	91%	100%	95%		
10.0	98%	89%	96%	88%		
5.0	98%	84%	87%	76%		
2.5	96%	80%	76%	66%		
1.25	94%	75%	64%	55%		
0.630	90%	72%	52%	46%		
0.315	84%	69%	40%	37%		
0.160	47%	66%	32%	30%		
0.080	27%	63%	25%	25%		
M.C.(%):	3%	8%	2%	3%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX:	0.0	0.0	0.0	0.0		
% GRAVEL:	2	16	13	24		
% SAND:	71	21	63	51		
% FINES:	27	63	25	25		
CLASSIFICATION	SILTY SAND (SM)	SANDY SILT WITH GRAVEL (ML)	SILTY SAND (SM)	SILTY SAND WITH GRAVEL (SM)		





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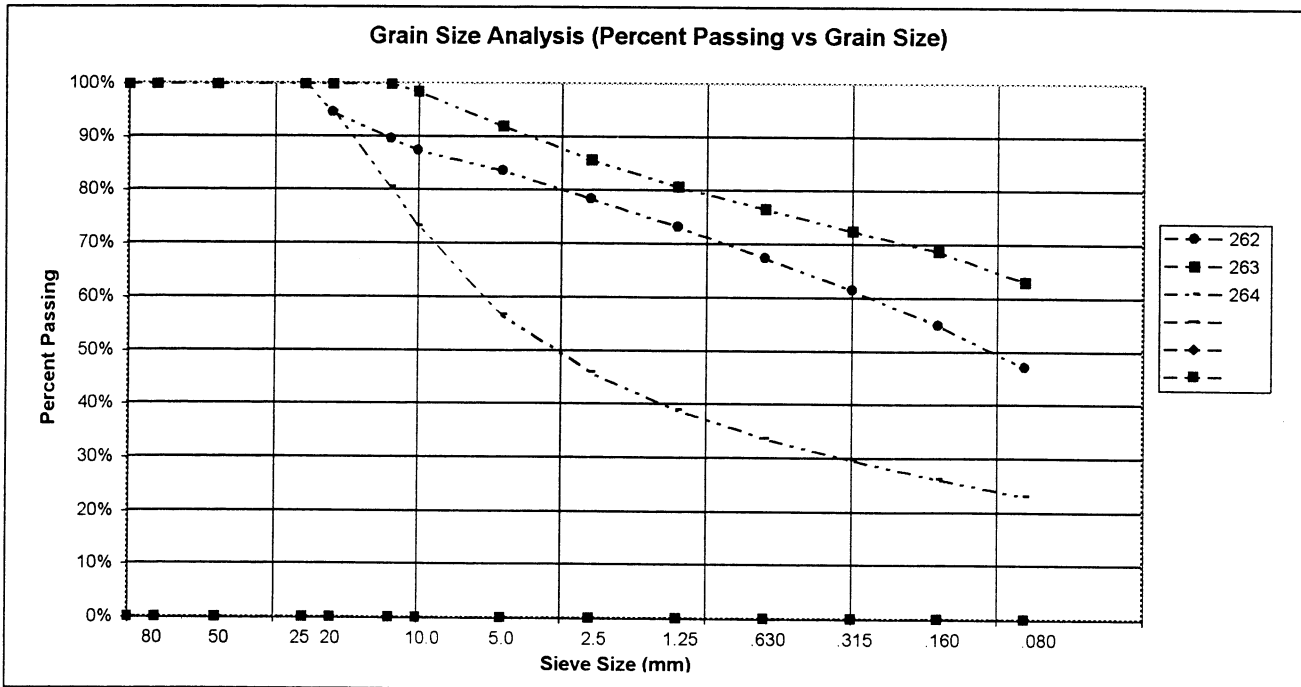


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632436-6775099
 LOGGED BY: RW

HOLE No.: 30105

DATE COMP: 08/13/2004

FIELD NO:	262	263	264		
LAB NO:	262	263	264		
DEPTH:	0.9-1.2	1.8-2.4	3.4-4.0		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	100%	100%	100%		
20.0	95%	100%	95%		
12.5	90%	100%	80%		
10.0	87%	99%	73%		
5.0	84%	92%	57%		
2.5	78%	86%	46%		
1.25	73%	81%	39%		
0.630	67%	77%	34%		
0.315	62%	73%	30%		
0.160	55%	69%	26%		
0.080	47%	63%	23%		
M.C.(%):	7%	11%	4%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX:	0.0	0.0	0.0		
% GRAVEL:	16	8	43		
% SAND:	37	29	34		
% FINES:	47	63	23		
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SANDY SILT (ML)	SILTY GRAVEL WITH SAND (GM)		





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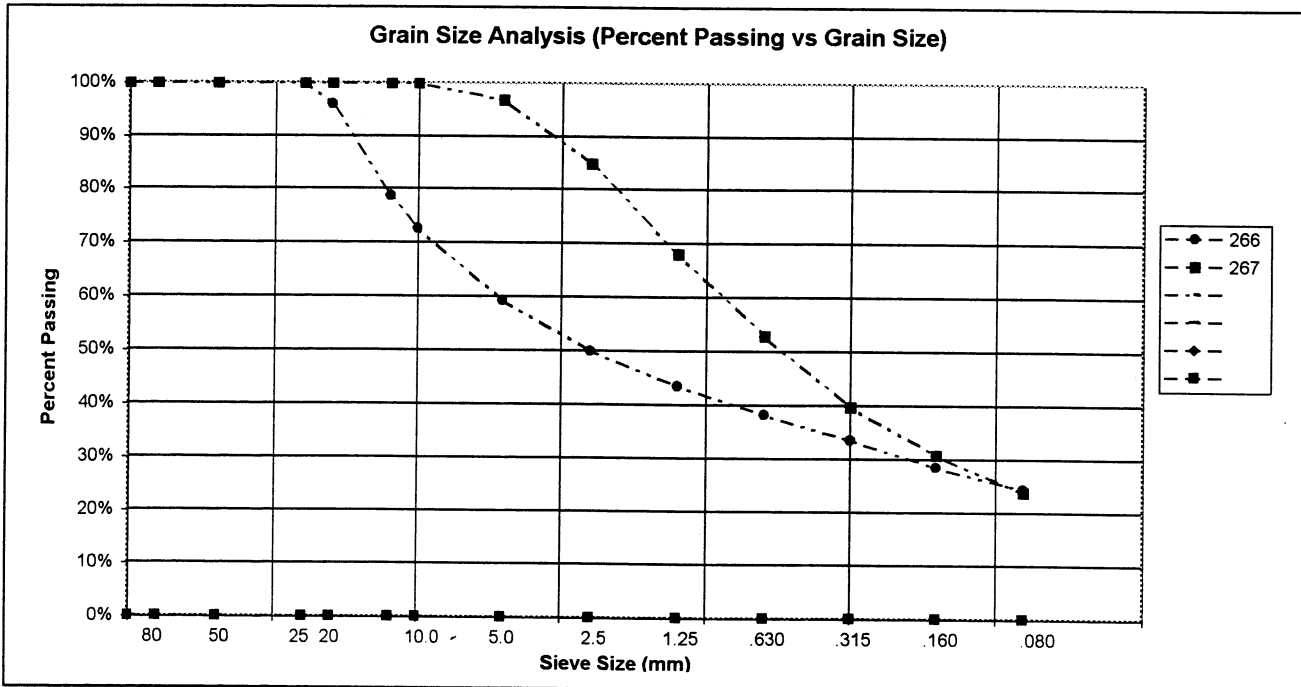


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632440-6775097
 LOGGED BY: RW

HOLE No.: 30106

DATE COMP: 08/13/2004

FIELD NO:	266	267			
LAB NO:	266	267			
DEPTH:	0.0-0.6	0.9-1.2			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	100%	100%			
20.0	96%	100%			
12.5	79%	100%			
10.0	73%	100%			
5.0	59%	97%			
2.5	50%	85%			
1.25	44%	68%			
0.630	38%	53%			
0.315	34%	40%			
0.160	29%	31%			
0.080	24%	24%			
M.C.(%):	5%	3%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	41	3			
% SAND:	35	73			
% FINES:	24	24			
CLASSIFICATION	SILTY GRAVEL WITH SAND (GM)	SILTY SAND (SM)			





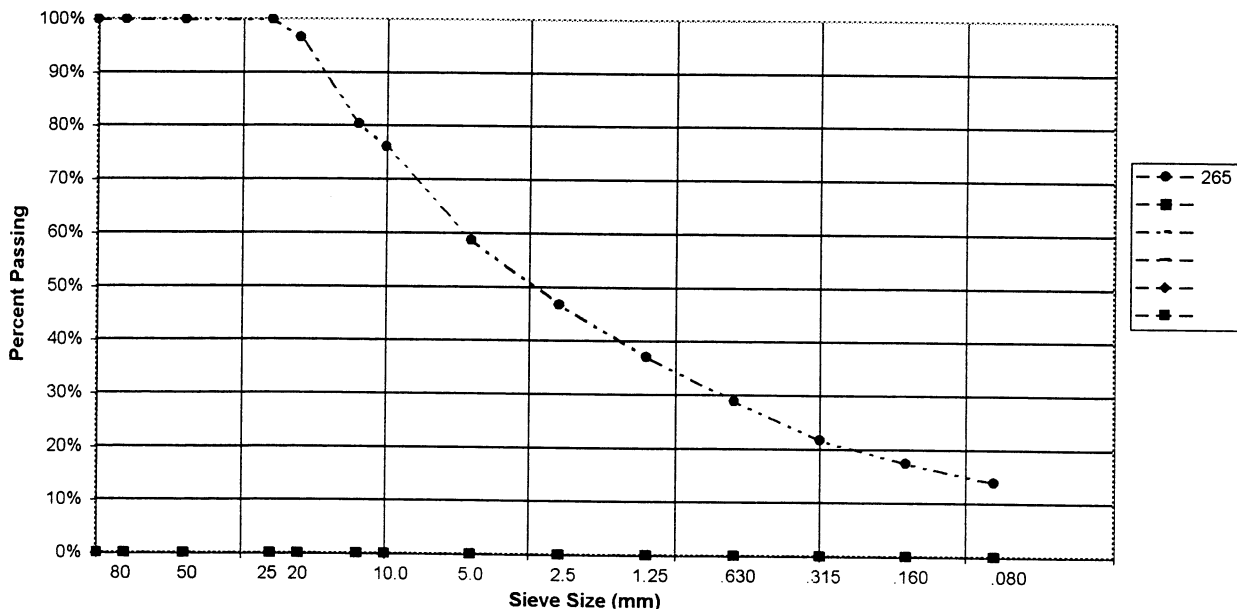
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632487-6775136
 LOGGED BY: RW

HOLE No.: 30107

DATE COMP: 08/13/2004

FIELD NO:	265				
LAB NO:	265				
DEPTH:	0.9-1.2				
TYPE:	AUGER				
SIEVE SIZE	PERCENT PASSING				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	100%				
20.0	97%				
12.5	80%				
10.0	76%				
5.0	59%				
2.5	47%				
1.25	37%				
0.630	29%				
0.315	22%				
0.160	17%				
0.080	14%				
M.C.(%):	2%				
LIQUID LIMIT:	0.0				
PLASTIC LIMIT:	0.0				
PLASTIC INDEX:	0.0				
% GRAVEL:	41				
% SAND:	45				
% FINES:	14				
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)				

Grain Size Analysis (Percent Passing vs Grain Size)





HOGGAN ENGINEERING & TESTING (1980) LTD.

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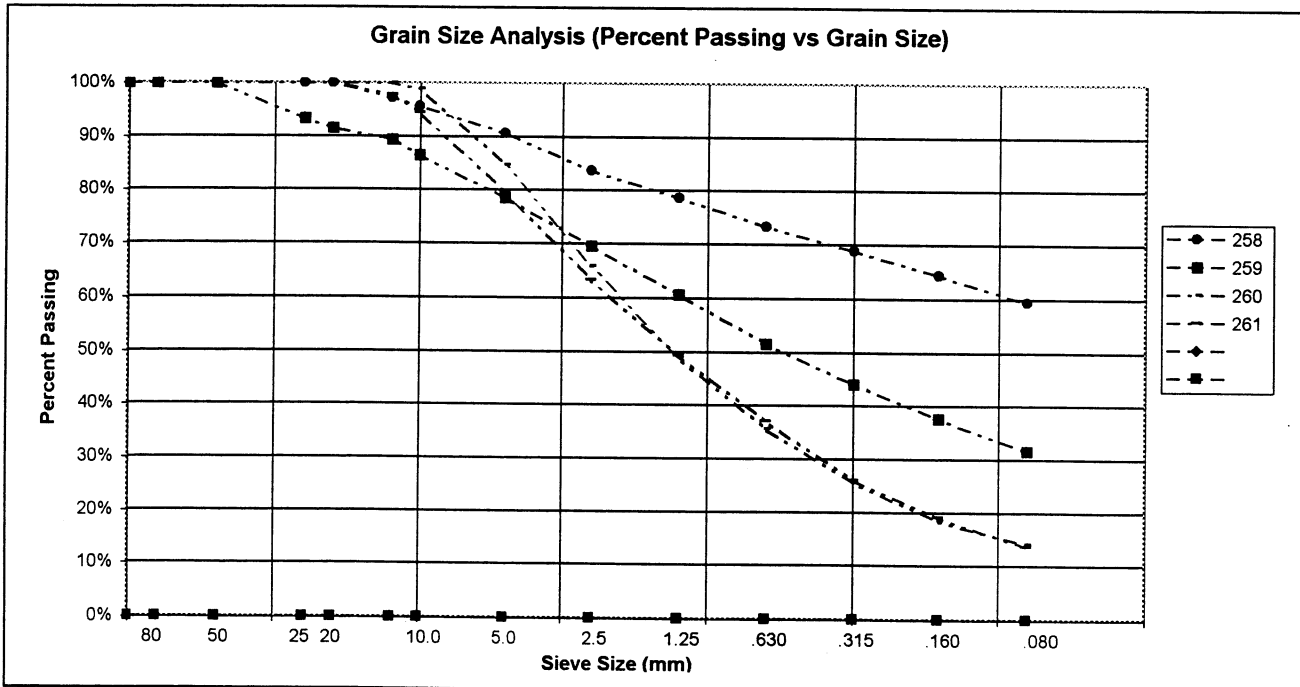


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632495-6775140
 LOGGED BY: RW

HOLE No.: 30108

DATE COMP: 08/13/2004

FIELD NO:	258	259	260	261		
LAB NO:	258	259	260	261		
DEPTH:	0.6-1.2	1.5-2.1	3.0-3.7	4.9-5.5		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	100%	100%	100%		
25.0	100%	93%	100%	100%		
20.0	100%	92%	100%	100%		
12.5	97%	89%	100%	98%		
10.0	96%	87%	99%	94%		
5.0	91%	79%	85%	80%		
2.5	84%	70%	66%	63%		
1.25	79%	61%	49%	49%		
0.630	73%	52%	36%	37%		
0.315	69%	44%	26%	26%		
0.160	64%	38%	19%	19%		
0.080	60%	32%	14%	14%		
M.C.(%)	12%	6%	1%	2%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX:	0.0	0.0	0.0	0.0		
% GRAVEL:	9	21	15	20		
% SAND:	31	47	71	66		
% FINES:	60	32	14	14		
CLASSIFICATION	SANDY SILT (ML)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)		



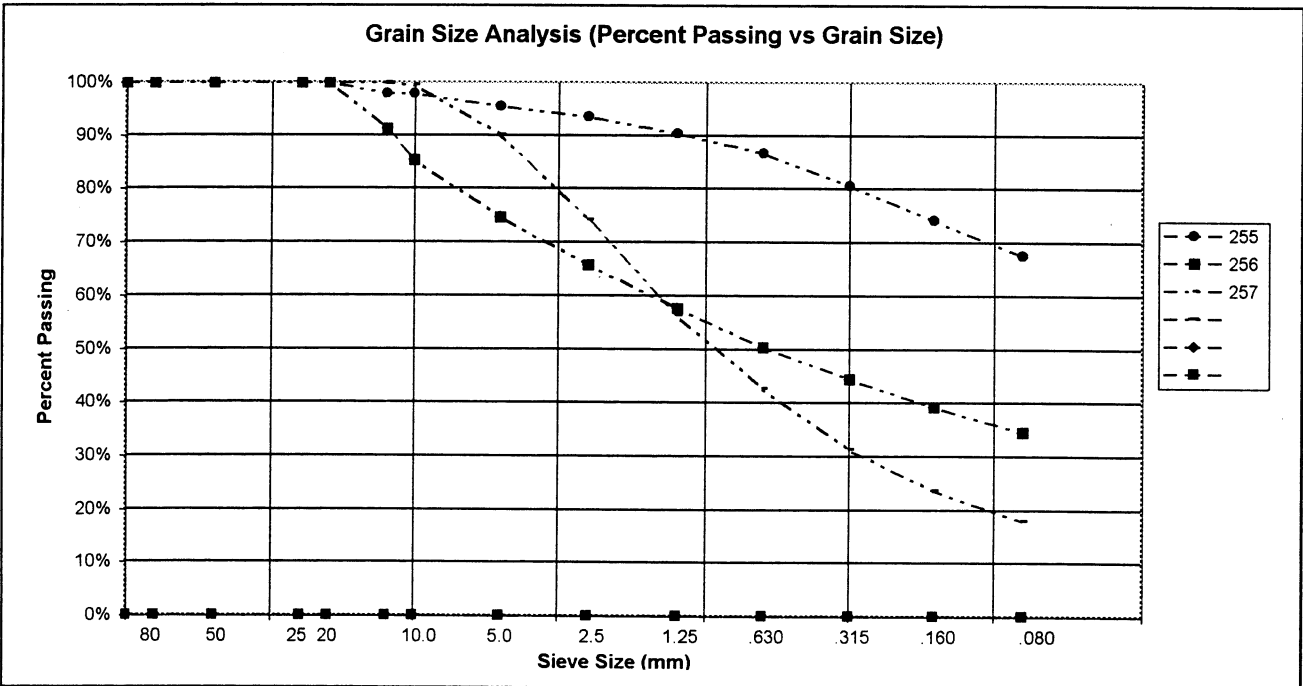


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632545-6775189
 LOGGED BY: RW

HOLE No.: 30109

DATE COMP: 08/13/2004

FIELD NO:	255	256	257		
LAB NO:	255	256	257		
DEPTH:	0.6-1.2	1.8-2.4	3.4-4.0		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	100%	100%	100%		
20.0	100%	100%	100%		
12.5	98%	91%	100%		
10.0	98%	85%	100%		
5.0	96%	75%	90%		
2.5	94%	66%	74%		
1.25	90%	58%	56%		
0.630	87%	50%	43%		
0.315	81%	44%	31%		
0.160	74%	39%	24%		
0.080	68%	35%	18%		
M.C.(%)	13%	5%	3%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0		
% GRAVEL:	4	25	10		
% SAND:	28	40	72		
% FINES:	68	35	18		
CLASSIFICATION	SANDY SILT (ML)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)		





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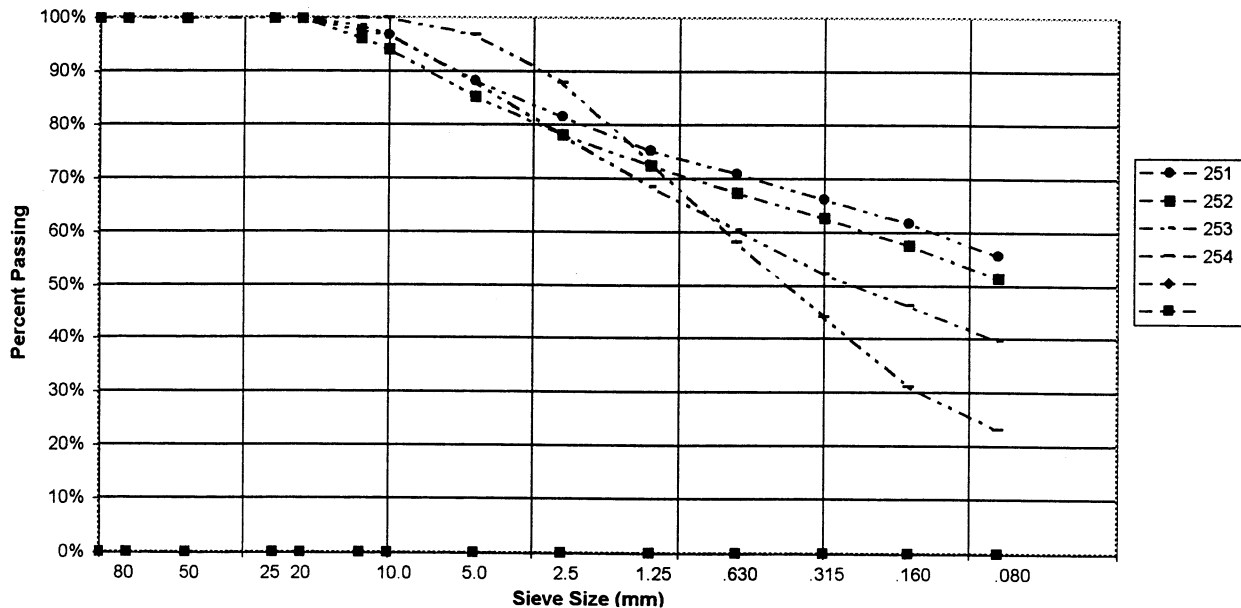
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632545-6775194
 LOGGED BY: RW

HOLE No.: 30110

DATE COMP: 08/13/2004

FIELD NO:	251	252	253	254		
LAB NO:	251	252	253	254		
DEPTH:	0.4-1.0	1.8-2.4	3.4-4.0	4.8-5.5		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	100%	100%	100%		
25.0	100%	100%	100%	100%		
20.0	100%	100%	100%	100%		
12.5	98%	96%	99%	100%		
10.0	97%	94%	97%	100%		
5.0	88%	85%	88%	97%		
2.5	82%	78%	78%	88%		
1.25	75%	73%	69%	73%		
0.630	71%	67%	60%	58%		
0.315	66%	63%	52%	44%		
0.160	62%	58%	46%	31%		
0.080	56%	51%	40%	23%		
M.C.(%):	22%	12%	11%	5%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX:	0.0	0.0	0.0	0.0		
% GRAVEL:	12	15	12	3		
% SAND:	32	34	48	74		
% FINES:	56	51	40	23		
CLASSIFICATION	SANDY SILT (ML)	SANDY SILT (ML)	SILTY SAND (SM)	SILTY SAND (SM)		

Grain Size Analysis (Percent Passing vs Grain Size)





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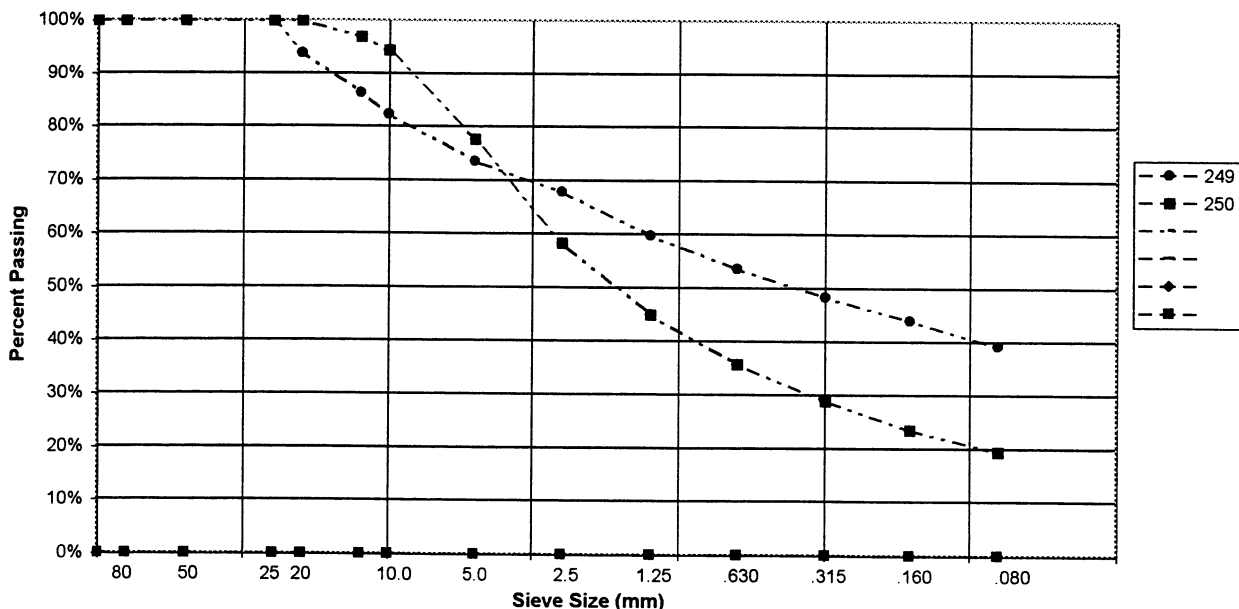
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632610-6775244
 LOGGED BY: RW

HOLE No.: 30111

DATE COMP: 08/13/2004

FIELD NO:	249	250			
LAB NO:	249	250			
DEPTH:	0.2-0.6	1.5-1.8			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
60.0	100%	100%			
25.0	100%	100%			
20.0	94%	100%			
12.5	86%	97%			
10.0	82%	94%			
5.0	74%	78%			
2.5	68%	58%			
1.25	60%	45%			
0.630	54%	36%			
0.315	48%	29%			
0.160	44%	23%			
0.080	39%	19%			
M.C.(%):	5%	2%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	26	22			
% SAND:	34	58			
% FINES:	39	19			
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)			

Grain Size Analysis (Percent Passing vs Grain Size)



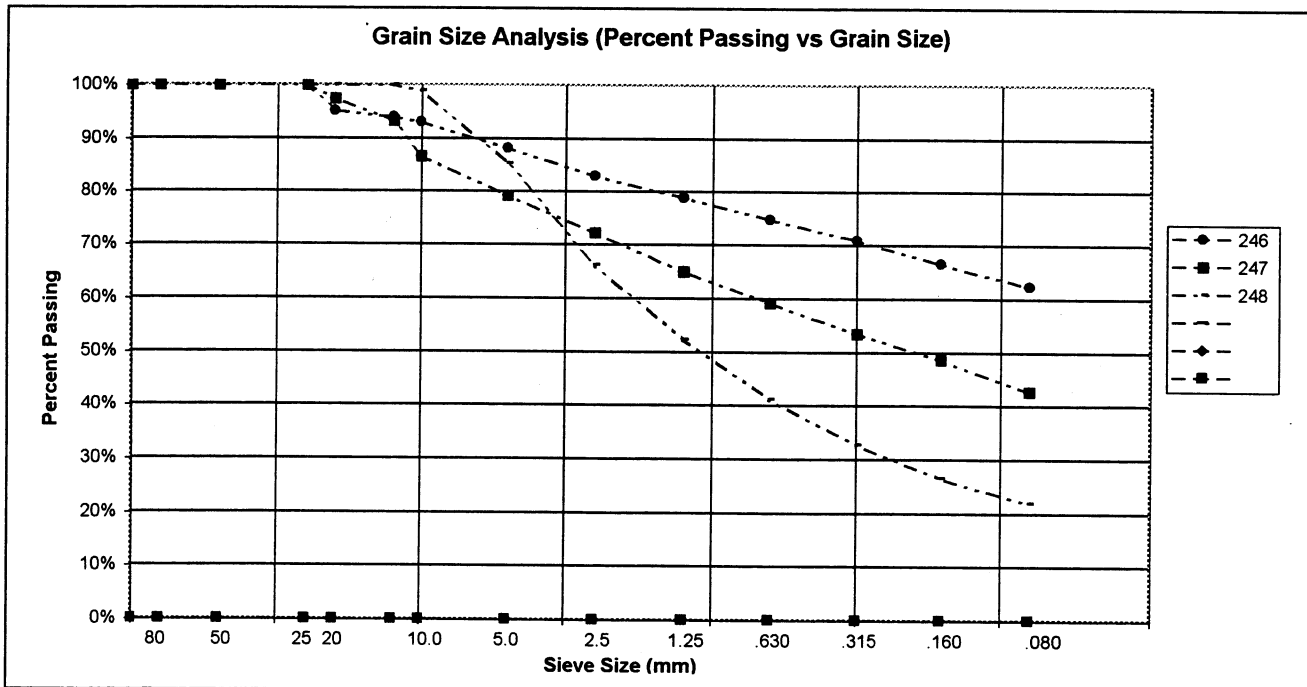


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632619-6775245
 LOGGED BY: RW

HOLE No.: 30112

DATE COMP: 08/13/2004

FIELD NO:	246	247	248		
LAB NO:	246	247	248		
DEPTH:	0.5-0.8	1.8-2.4	3.0-3.4		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	100%	100%	100%		
20.0	95%	97%	100%		
12.5	94%	93%	100%		
10.0	93%	87%	99%		
5.0	88%	79%	85%		
2.5	83%	72%	66%		
1.25	79%	65%	52%		
0.630	75%	59%	41%		
0.315	71%	54%	33%		
0.160	67%	49%	27%		
0.080	62%	43%	22%		
M.C.(%)	13%	7%	3%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0		
% GRAVEL:	12	21	15		
% SAND:	26	37	63		
% FINES:	62	43	22		
CLASSIFICATION	SANDY SILT (ML)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)		





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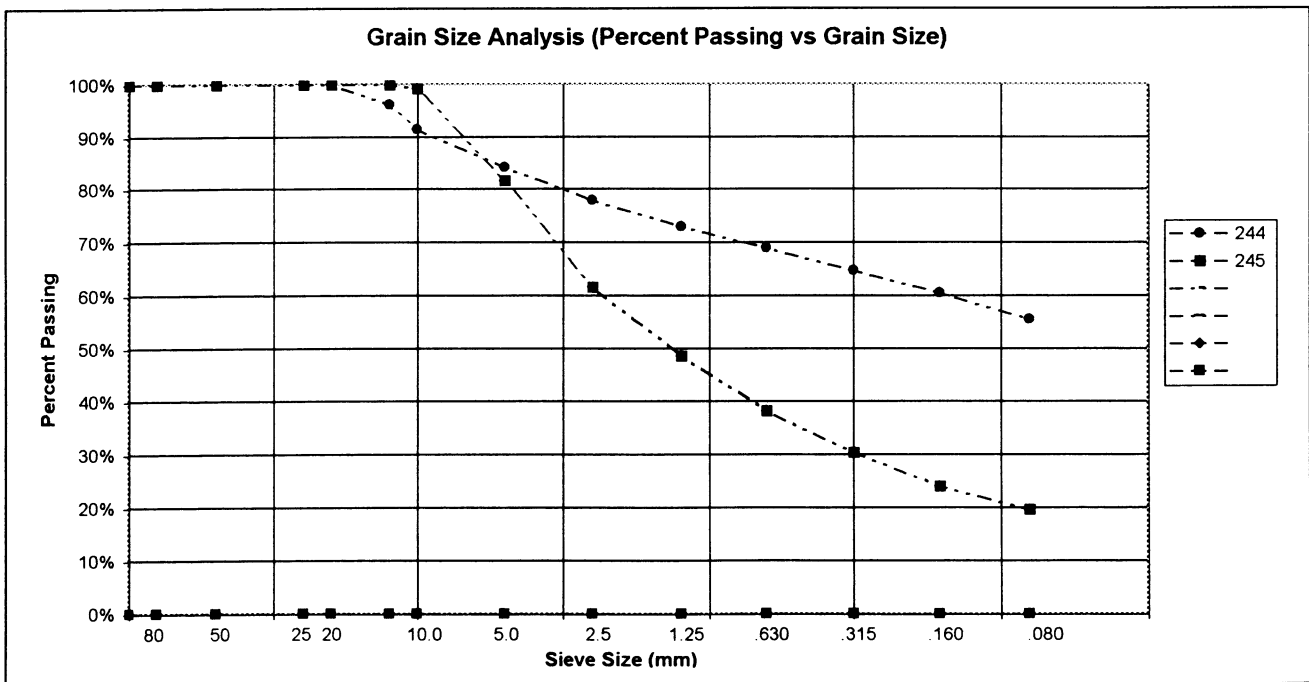


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632619-6775245
 LOGGED BY: RW

HOLE No.: 30113

DATE COMP: 08/12/2004

FIELD NO:	244	245			
LAB NO:	244	245			
DEPTH:	0.6-1.2	1.5-2.1			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	100%	100%			
20.0	100%	100%			
12.5	96%	100%			
10.0	92%	99%			
5.0	84%	82%			
2.5	78%	62%			
1.25	73%	49%			
0.630	69%	38%			
0.315	65%	30%			
0.160	61%	24%			
0.080	56%	20%			
M.C.(%):	17%	5%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	16	18			
% SAND:	29	62			
% FINES:	56	20			
CLASSIFICATION	SANDY SILT WITH GRAVEL (ML)	SILTY SAND WITH GRAVEL (SM)			





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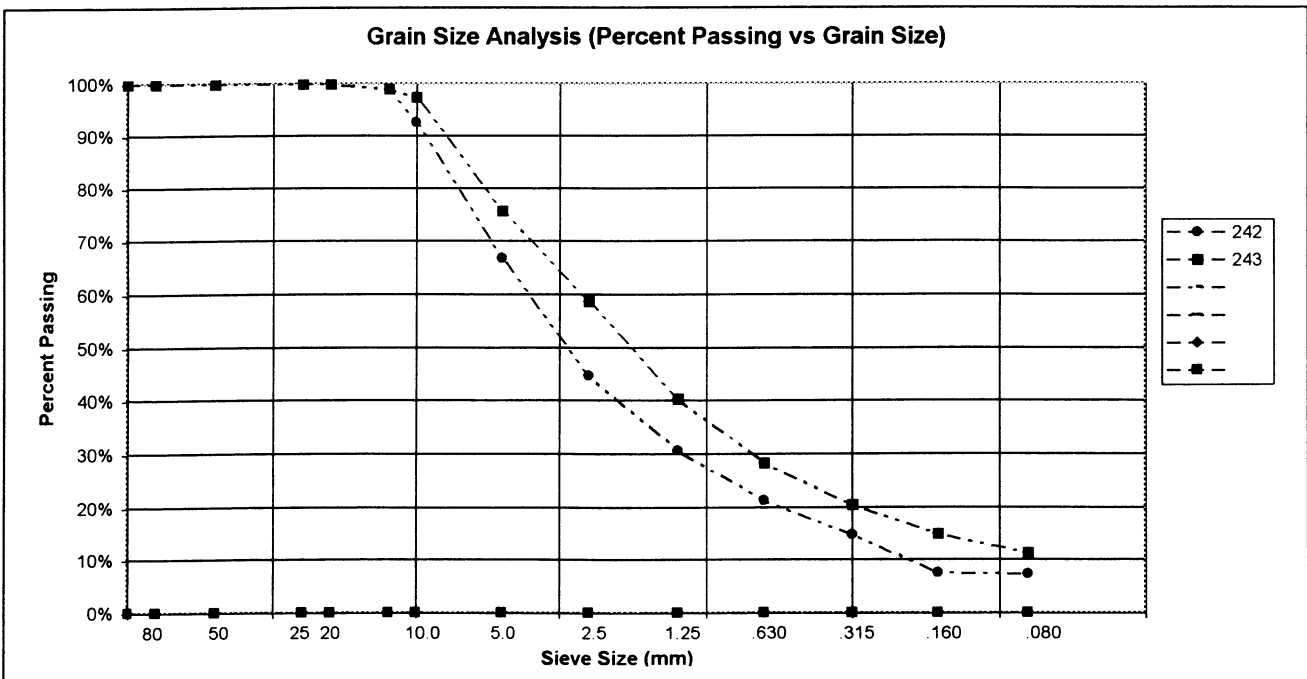


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632295-6775252
 LOGGED BY: RW

HOLE No.: 30114

DATE COMP: 08/12/2004

FIELD NO:	242	243			
LAB NO:	242	243			
DEPTH:	0.6-1.2	1.8-2.4			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	100%	100%			
20.0	100%	100%			
12.5	99%	99%			
10.0	93%	97%			
5.0	67%	76%			
2.5	45%	59%			
1.25	31%	40%			
0.630	21%	28%			
0.315	15%	21%			
0.160	8%	15%			
0.080	7%	11%			
M.C.(%):	3%	2%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX.:	0.0	0.0			
% GRAVEL:	33	24			
% SAND:	60	65			
% FINES:	7	11			
CLASSIFICATION	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)			





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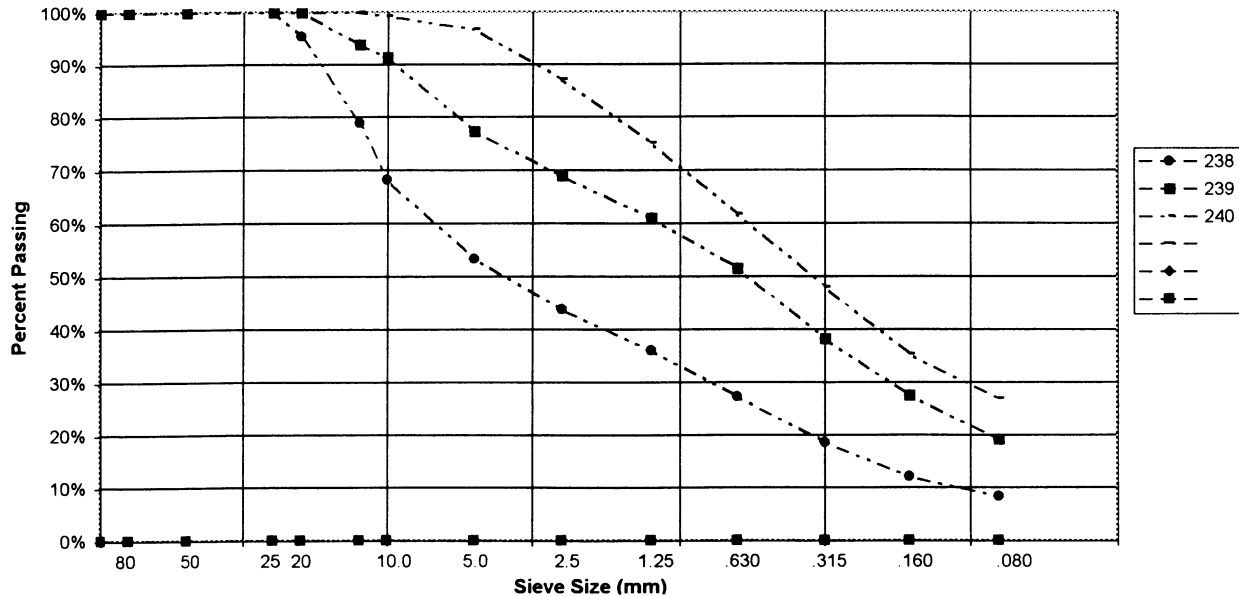
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632303-6775254
 LOGGED BY: RW

HOLE No.: 30115

DATE COMP: 08/12/2004

FIELD NO:	238	239	240		
LAB NO:	238	239	240		
DEPTH:	0.3-0.9	1.8-2.4	3.7-4.3		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	100%	100%	100%		
20.0	95%	100%	100%		
12.5	79%	94%	100%		
10.0	68%	91%	99%		
5.0	53%	77%	97%		
2.5	44%	69%	87%		
1.25	36%	61%	75%		
0.630	27%	51%	62%		
0.315	19%	38%	48%		
0.160	12%	28%	35%		
0.080	9%	19%	27%		
M.C.(%)	4%	3%	6%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0		
% GRAVEL:	47	23	3		
% SAND:	45	58	70		
% FINES:	9	19	27		
CLASSIFICATION	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)		

Grain Size Analysis (Percent Passing vs Grain Size)





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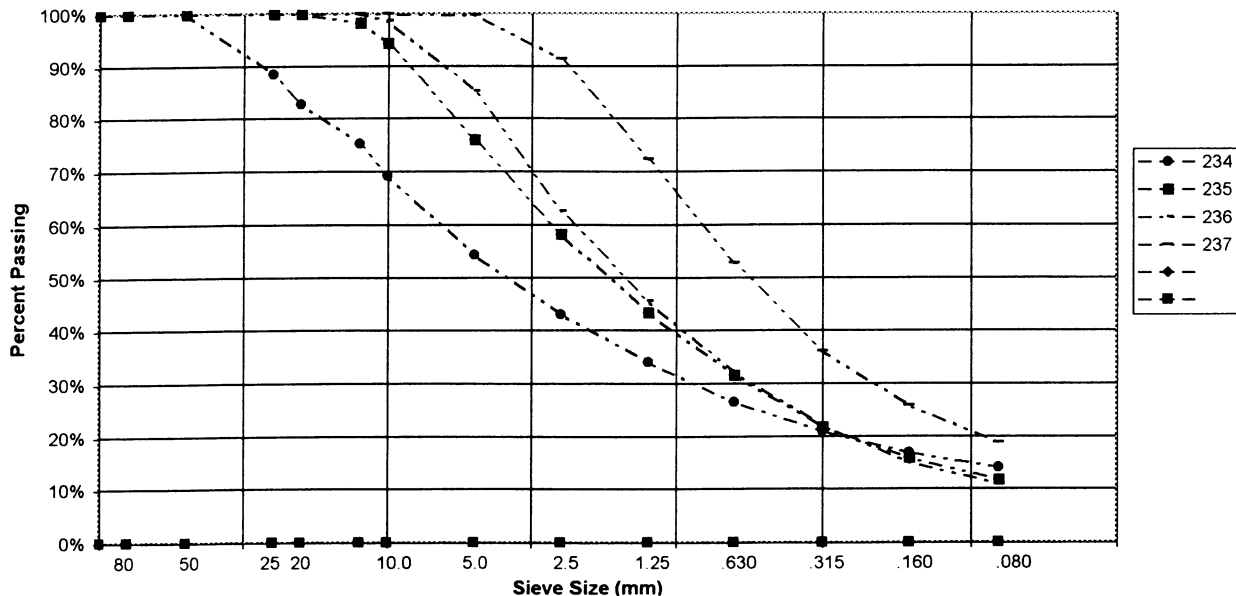
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632345-6775288
 LOGGED BY: RW

HOLE No.: 30116

DATE COMP: 08/12/2004

FIELD NO:	234	235	236	237		
LAB NO:	234	235	236	237		
DEPTH:	0.6-1.2	2.1-2.7	3.4-4.0	4.6-5.2		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	100%	100%	100%		
25.0	89%	100%	100%	100%		
20.0	83%	100%	100%	100%		
12.5	75%	98%	100%	100%		
10.0	69%	94%	99%	100%		
5.0	54%	76%	85%	100%		
2.5	43%	58%	63%	91%		
1.25	34%	43%	46%	72%		
0.630	27%	32%	32%	53%		
0.315	21%	22%	22%	36%		
0.160	17%	16%	15%	26%		
0.080	14%	12%	11%	19%		
M.C.(%)	4%	3%	2%	2%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX:	0.0	0.0	0.0	0.0		
% GRAVEL:	46	24	15	0		
% SAND:	40	64	74	81		
% FINES:	14	12	11	19		
CLASSIFICATION	SILTY GRAVEL WITH SAND (GM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	WELL-GRADED SAND WITH SILT (SW-SM)	SILTY SAND (SM)		

Grain Size Analysis (Percent Passing vs Grain Size)





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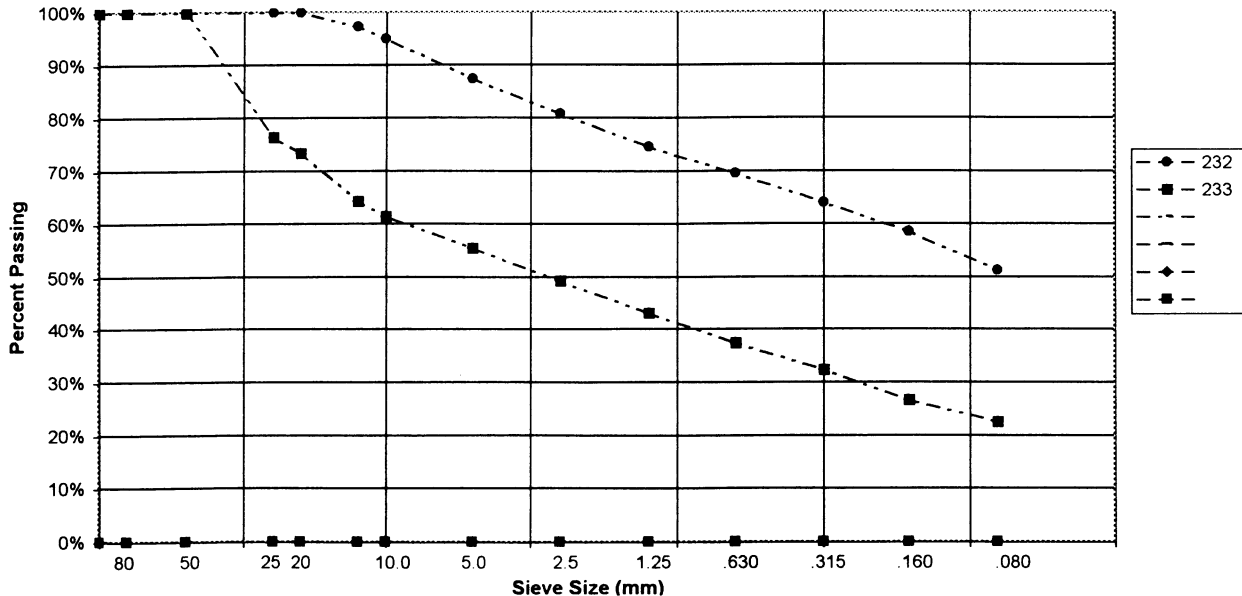
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632345-6775287
 LOGGED BY: RW

HOLE No.: 30117

DATE COMP: 08/12/2004

FIELD NO:	232	233			
LAB NO:	232	233			
DEPTH:	0.0-0.6	1.8-2.4			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	100%	77%			
20.0	100%	73%			
12.5	97%	64%			
10.0	95%	61%			
5.0	87%	56%			
2.5	81%	49%			
1.25	75%	43%			
0.630	70%	38%			
0.315	64%	32%			
0.160	59%	27%			
0.080	51%	23%			
M.C.(%)	14%	9%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	13	44			
% SAND:	36	33			
% FINES:	51	23			
CLASSIFICATION	SANDY SILT (ML)	SILTY GRAVEL WITH SAND (GM)			

Grain Size Analysis (Percent Passing vs Grain Size)





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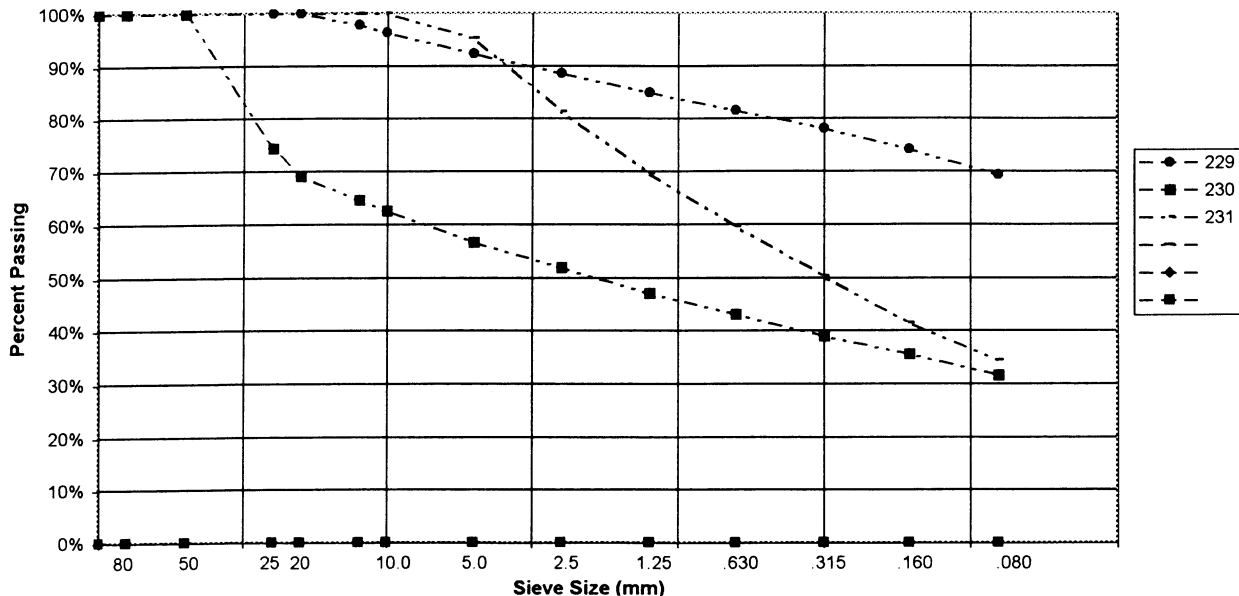
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632398-6775330
 LOGGED BY: RW

HOLE No.: 30118

DATE COMP: 08/12/2004

FIELD NO:	229	230	231		
LAB NO:	229	230	231		
DEPTH:	0.6-1.2	1.8-2.4	3.0-3.4		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	100%	74%	100%		
20.0	100%	69%	100%		
12.5	98%	65%	100%		
10.0	96%	63%	100%		
5.0	92%	57%	95%		
2.5	89%	52%	81%		
1.25	85%	47%	70%		
0.630	82%	43%	60%		
0.315	78%	39%	50%		
0.160	74%	36%	42%		
0.080	69%	32%	34%		
M.C.(%)	16%	5%	3%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0		
% GRAVEL:	8	43	5		
% SAND:	23	25	61		
% FINES:	69	32	34		
CLASSIFICATION	SANDY SILT (ML)	SILTY GRAVEL WITH SAND (GM)	SILTY SAND (SM)		

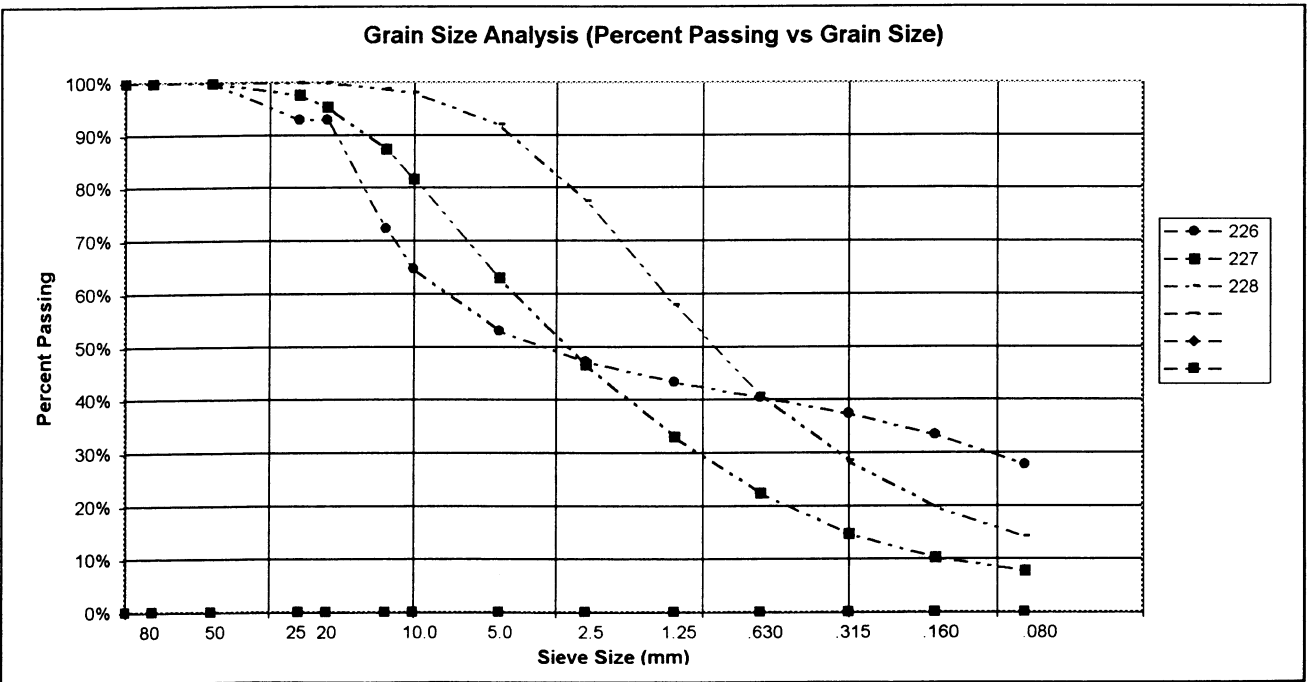
Grain Size Analysis (Percent Passing vs Grain Size)





PROJECT NUMBER: 8002-318	HOLE No.: 30119
CLIENT: YTG, Transportation & Engineering	
PROJECT NAME: Geotechnical Services	
PROJECT LOCATION: Km 1691.7-1717.3	
DRILL UNIT: CME75	
HOLE LOCATION: 632400-6775326	
LOGGED BY: RW	DATE COMP: 08/12/2004

FIELD NO:	226	227	228	
LAB NO:	226	227	228	
DEPTH:	0.1-0.6	2.1-2.7	3.7-4.3	
TYPE:	AUGER	AUGER	AUGER	
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%	
80.0	100%	100%	100%	
50.0	100%	100%	100%	
25.0	93%	98%	100%	
20.0	93%	95%	100%	
12.5	72%	87%	99%	
10.0	65%	82%	98%	
5.0	53%	63%	92%	
2.5	47%	47%	78%	
1.25	43%	33%	58%	
0.630	41%	23%	41%	
0.315	38%	15%	29%	
0.160	33%	10%	20%	
0.080	28%	8%	14%	
M.C.(%)	16%	3%	12%	
LIQUID LIMIT:	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	
PLASTIC INDEX.:	0.0	0.0	0.0	
% GRAVEL:	47	37	8	
% SAND:	25	55	78	
% FINES:	28	8	14	
CLASSIFICATION	SILTY GRAVEL WITH SAND (GM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILTY SAND (SM)	



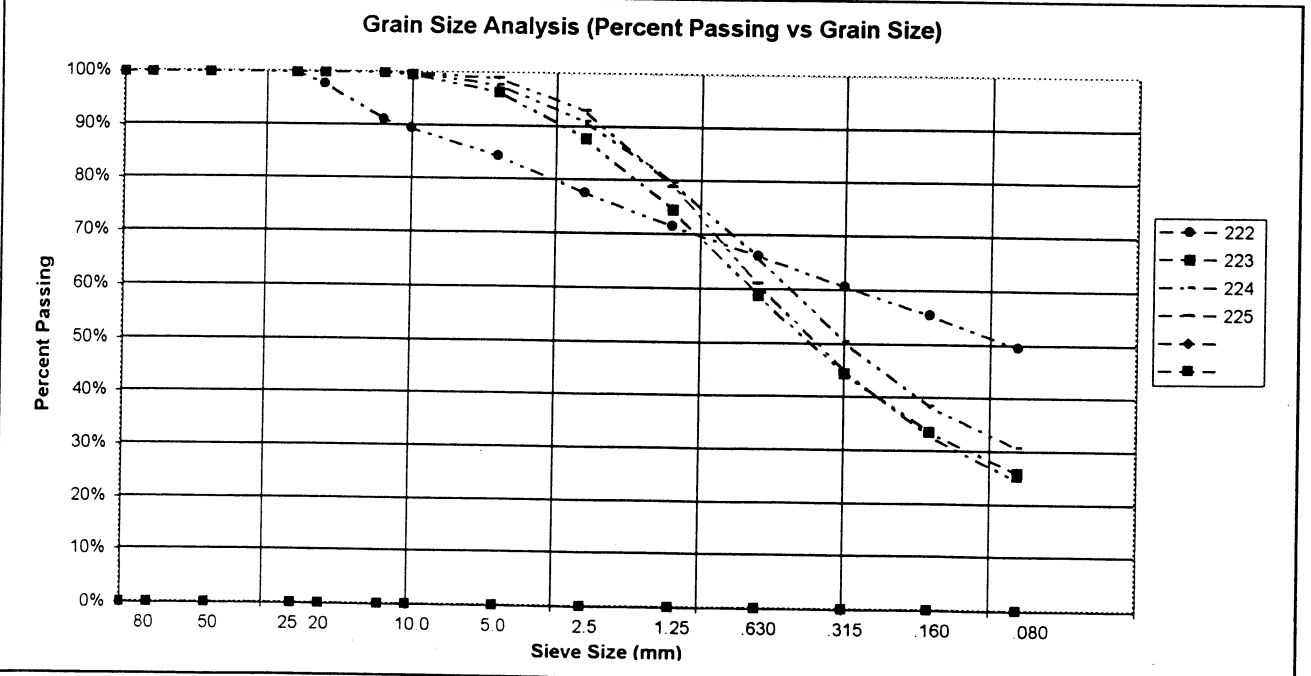


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632440-6775367
 LOGGED BY: RW

HOLE No.: 30120

DATE COMP: 08/12/2004

FIELD NO:	222	223	224	225		
LAB NO:	222	223	224	225		
DEPTH:	0.3-0.9	2.1-2.4	3.7-4.3	4.9-5.3		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	100%	100%	100%		
25.0	100%	100%	100%	100%		
20.0	98%	100%	100%	100%		
12.5	91%	100%	100%	100%		
10.0	90%	100%	100%	100%		
5.0	84%	96%	98%	99%		
2.5	78%	88%	91%	93%		
1.25	72%	75%	80%	79%		
0.630	66%	59%	66%	61%		
0.315	61%	44%	50%	45%		
0.160	56%	34%	38%	33%		
0.080	50%	26%	31%	25%		
M.C.(%)	10%	7%	5%	3%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX:	0.0	0.0	0.0	0.0		
% GRAVEL:	16	4	2	1		
% SAND:	35	70	67	75		
% FINES:	50	26	31	25		
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)	SILTY SAND (SM)	SILTY SAND (SM)		



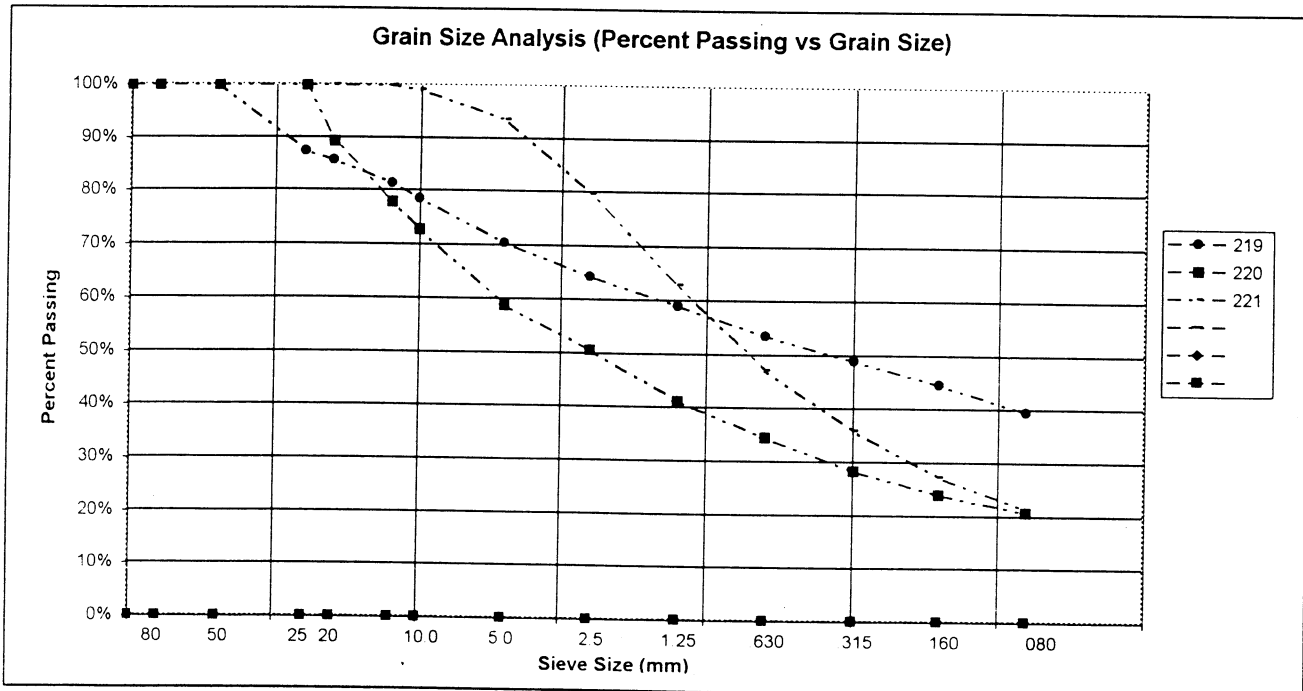


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632444-6775365
 LOGGED BY: RW

HOLE No.: 30121

DATE COMP: 08/12/2004

FIELD NO:	219	220	221		
LAB NO:	219	220	221		
DEPTH:	0.6-1.2	1.5-2.1	2.7-3.0		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	87%	100%	100%		
20.0	86%	89%	100%		
12.5	81%	78%	100%		
10.0	79%	73%	99%		
5.0	71%	59%	94%		
2.5	64%	51%	80%		
1.25	59%	41%	63%		
0.630	54%	35%	47%		
0.315	49%	28%	36%		
0.160	45%	24%	27%		
0.080	40%	21%	21%		
M.C.(%)	7%	4%	2%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX:	0.0	0.0	0.0		
% GRAVEL:	29	41	6		
% SAND:	31	38	72		
% FINES:	40	21	21		
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY GRAVEL WITH SAND (GM)	SILTY SAND (SM)		



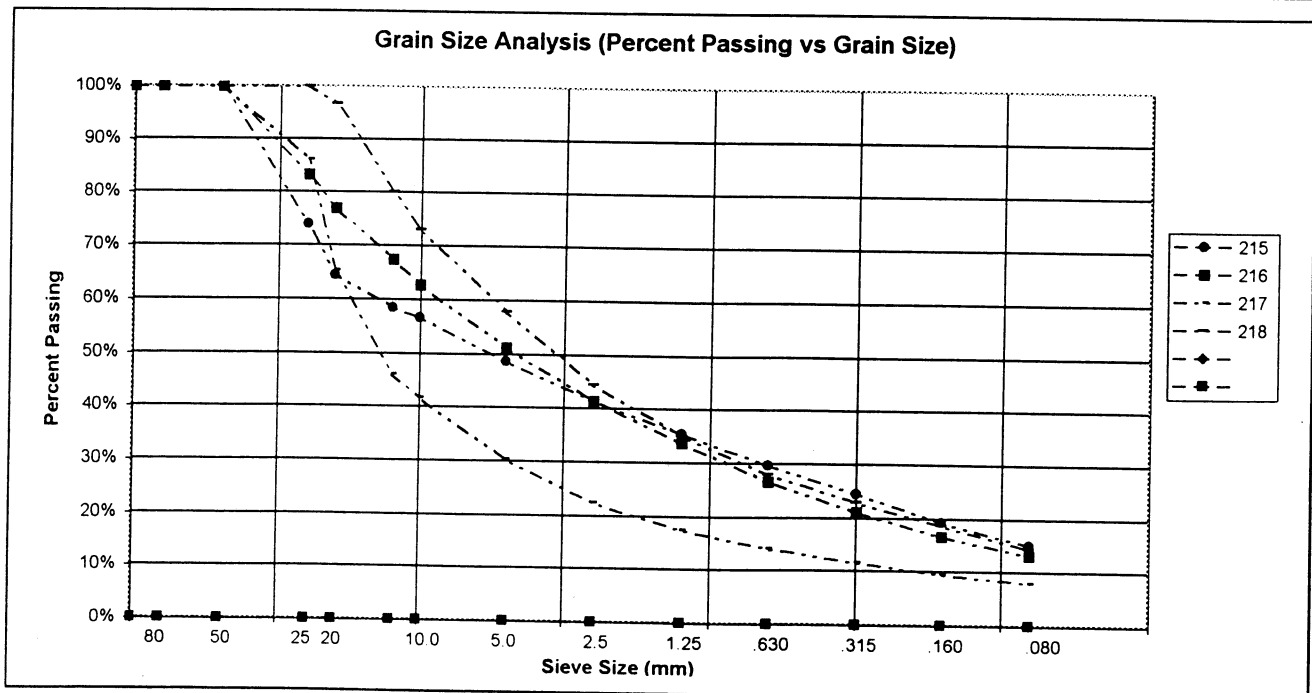


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632049-6775597
 LOGGED BY: RW

HOLE No.: 30122

DATE COMP: 08/12/2004

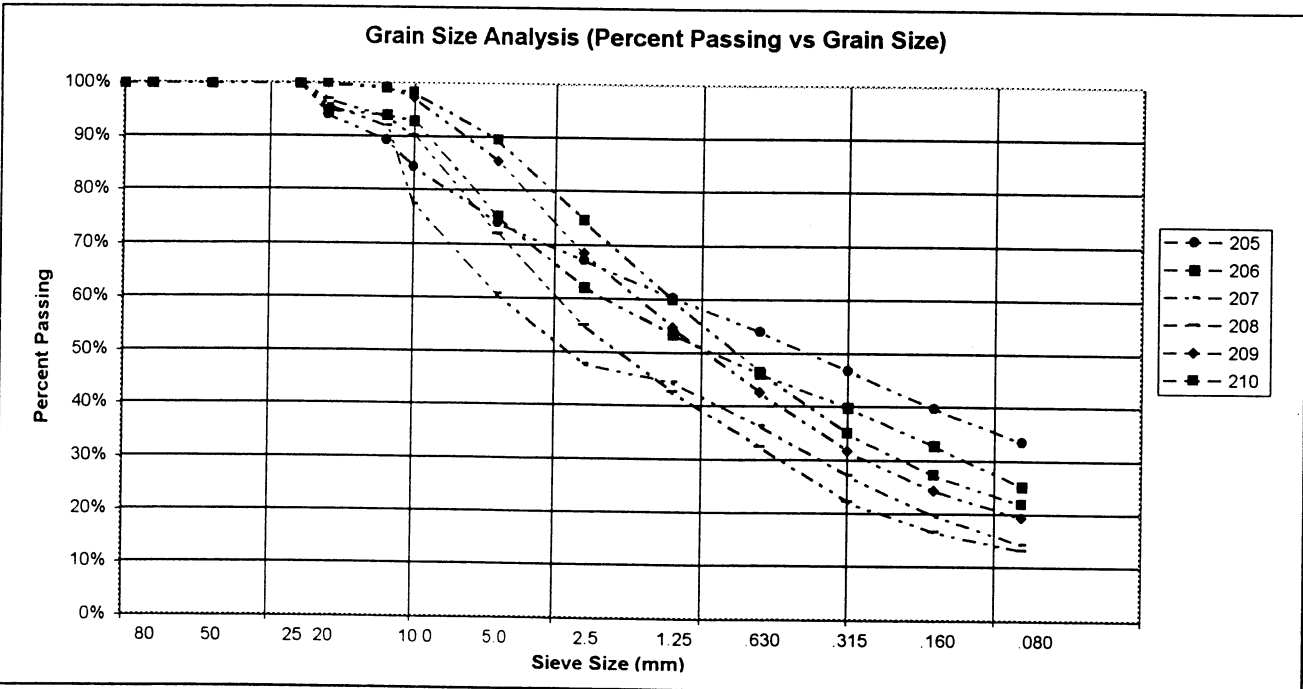
FIELD NO:	215	216	217	218		
LAB NO:	215	216	217	218		
DEPTH:	0.6-1.2	1.6-2.4	3.4-4.0	4.6-5.2		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	100%	100%	100%		
25.0	74%	83%	86%	100%		
20.0	64%	77%	65%	97%		
12.5	59%	68%	46%	80%		
10.0	57%	63%	42%	73%		
5.0	49%	51%	30%	58%		
2.5	41%	41%	23%	44%		
1.25	35%	34%	18%	35%		
0.630	30%	27%	14%	28%		
0.315	25%	21%	12%	23%		
0.160	19%	17%	10%	19%		
0.080	15%	13%	8%	14%		
M.C.(%):	15%	9%	9%	8%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX:	0.0	0.0	0.0	0.0		
% GRAVEL:	51	49	70	42		
% SAND:	34	38	22	44		
% FINES:	15	13	8	14		
CLASSIFICATION	SILTY GRAVEL WITH SAND (GM)	SILTY GRAVEL WITH SAND (GM)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	SILTY SAND WITH GRAVEL (SM)		





PROJECT NUMBER: 8002-318 HOLE No.: 30123
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632037-6775613
 LOGGED BY: RW DATE COMP: 08/11/2004

FIELD NO:	205	206	207	208	209	210
LAB NO:	205	206	207	208	209	210
DEPTH:	0.6-1.2	1.8-2.4	3.4-4.0	5.2-5.8	6.4-7.0	7.9-8.5
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	AUGER
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING
100.0	100%	100%	100%	100%	100%	100%
80.0	100%	100%	100%	100%	100%	100%
50.0	100%	100%	100%	100%	100%	100%
25.0	100%	100%	100%	100%	100%	100%
20.0	94%	95%	96%	97%	100%	100%
12.5	89%	94%	92%	94%	99%	99%
10.0	84%	93%	77%	90%	97%	98%
5.0	74%	75%	61%	72%	85%	89%
2.5	67%	62%	48%	55%	69%	75%
1.25	60%	53%	44%	43%	55%	60%
0.630	54%	46%	36%	32%	43%	46%
0.315	47%	40%	27%	22%	32%	35%
0.160	40%	33%	20%	17%	24%	27%
0.080	34%	25%	14%	13%	19%	22%
M.C.(%)	6%	6%	5%	5%	7%	7%
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	0.0
% GRAVEL:	26	25	39	28	15	11
% SAND:	40	50	46	59	66	68
% FINES:	34	25	14	13	19	22
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)	SILTY SAND (SM)





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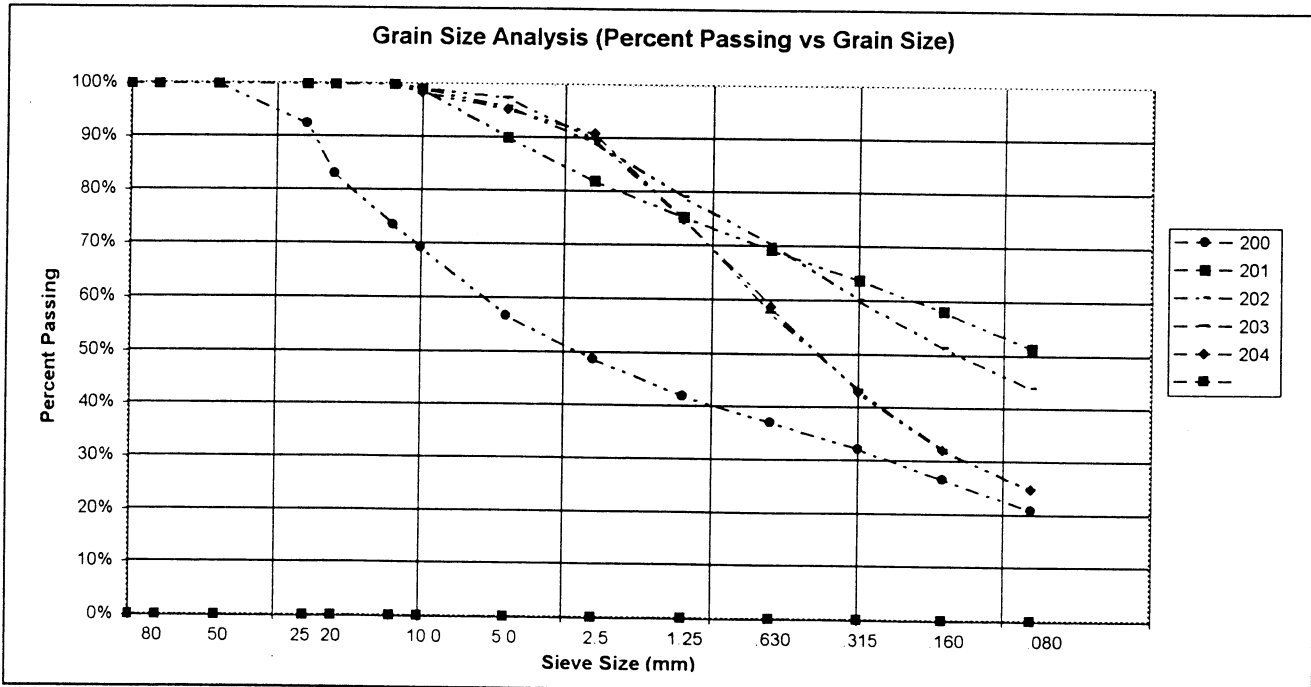


PROJECT NUMBER: S002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631989-6775669
 LOGGED BY: RW

HOLE No.: 30124

DATE COMP: 08/11/2004

FIELD NO:	200	201	202	203	204	
LAB NO:	200	201	202	203	204	
DEPTH:	0.6-1.2	1.8-2.4	3.4-4.0	5.2-5.8	6.7-7.3	
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	#N/A
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%	100%	100%	
80.0	100%	100%	100%	100%	100%	
50.0	100%	100%	100%	100%	100%	
25.0	92%	100%	100%	100%	100%	
20.0	83%	100%	100%	100%	100%	
12.5	74%	100%	100%	100%	100%	
10.0	69%	99%	99%	99%	98%	
5.0	57%	90%	96%	97%	95%	
2.5	49%	82%	89%	90%	91%	
1.25	42%	75%	79%	75%	75%	
0.630	37%	69%	70%	58%	59%	
0.315	32%	64%	60%	43%	43%	
0.160	27%	58%	51%	32%	32%	
0.080	21%	51%	44%	25%	25%	
M.C.(%)	9%	17%	14%	4%	2%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	
% GRAVEL:	43	10	4	3	5	
% SAND:	36	39	52	73	70	
% FINES:	21	51	44	25	25	
CLASSIFICATION	SILTY GRAVEL WITH SAND (GM)	SANDY SILT (ML)	SILTY SAND (SM)	SILTY SAND (SM)	SILTY SAND (SM)	





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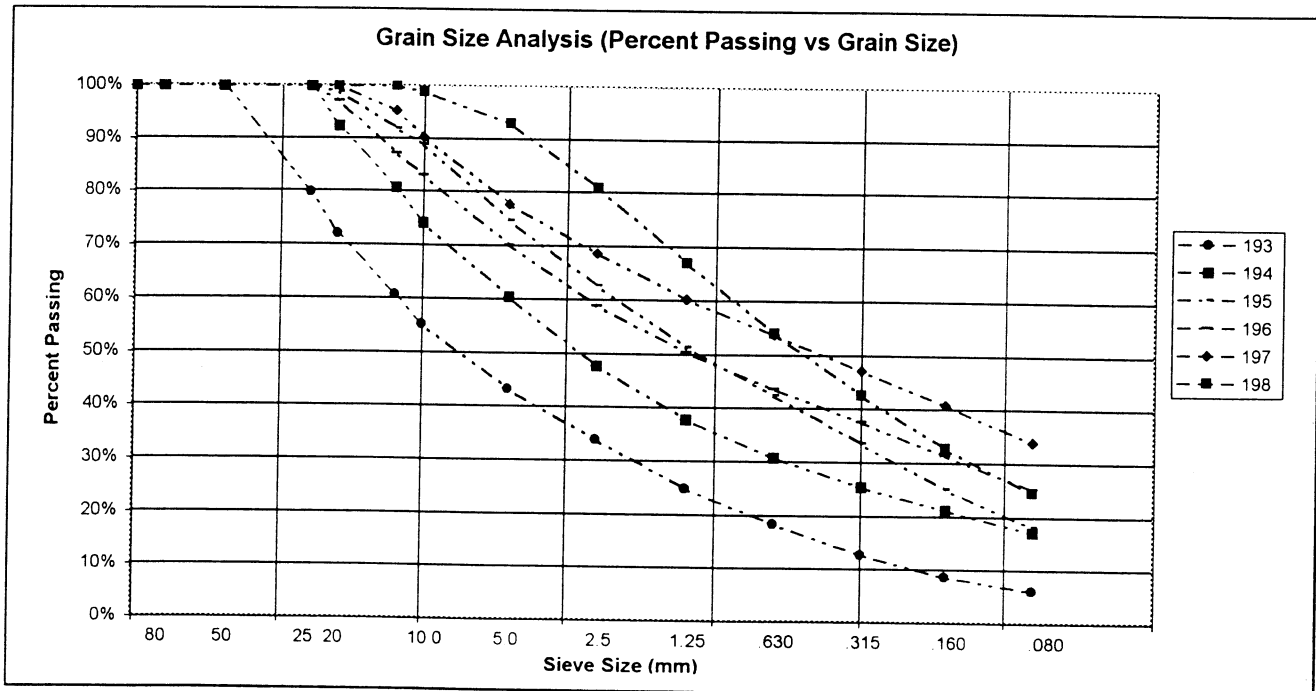


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631983-6775666
 LOGGED BY: RW

HOLE No.: 30125

DATE COMP: 08/11/2004

FIELD NO:	193	194	195	196	197	198
LAB NO:	193	194	195	196	197	198
DEPTH:	0.3-0.9	1.8-2.4	3.4-4.0	4.9-5.5	6.4-7.0	7.9-8.5
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	AUGER
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING
100.0	100%	100%	100%	100%	100%	100%
80.0	100%	100%	100%	100%	100%	100%
50.0	100%	100%	100%	100%	100%	100%
25.0	80%	100%	100%	100%	100%	100%
20.0	72%	92%	99%	97%	100%	100%
12.5	61%	81%	92%	87%	95%	100%
10.0	55%	74%	89%	83%	90%	99%
5.0	43%	60%	75%	70%	78%	93%
2.5	34%	48%	63%	59%	69%	81%
1.25	25%	38%	51%	50%	60%	67%
0.630	19%	31%	42%	44%	54%	54%
0.315	13%	26%	34%	38%	47%	43%
0.160	9%	21%	25%	31%	41%	33%
0.080	6%	17%	18%	25%	34%	25%
M.C.(%)	2%	8%	10%	8%	11%	11%
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	0.0
% GRAVEL:	57	40	25	30	22	7
% SAND:	37	43	56	45	44	68
% FINES:	6	17	18	25	34	25
CLASSIFICATION	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)



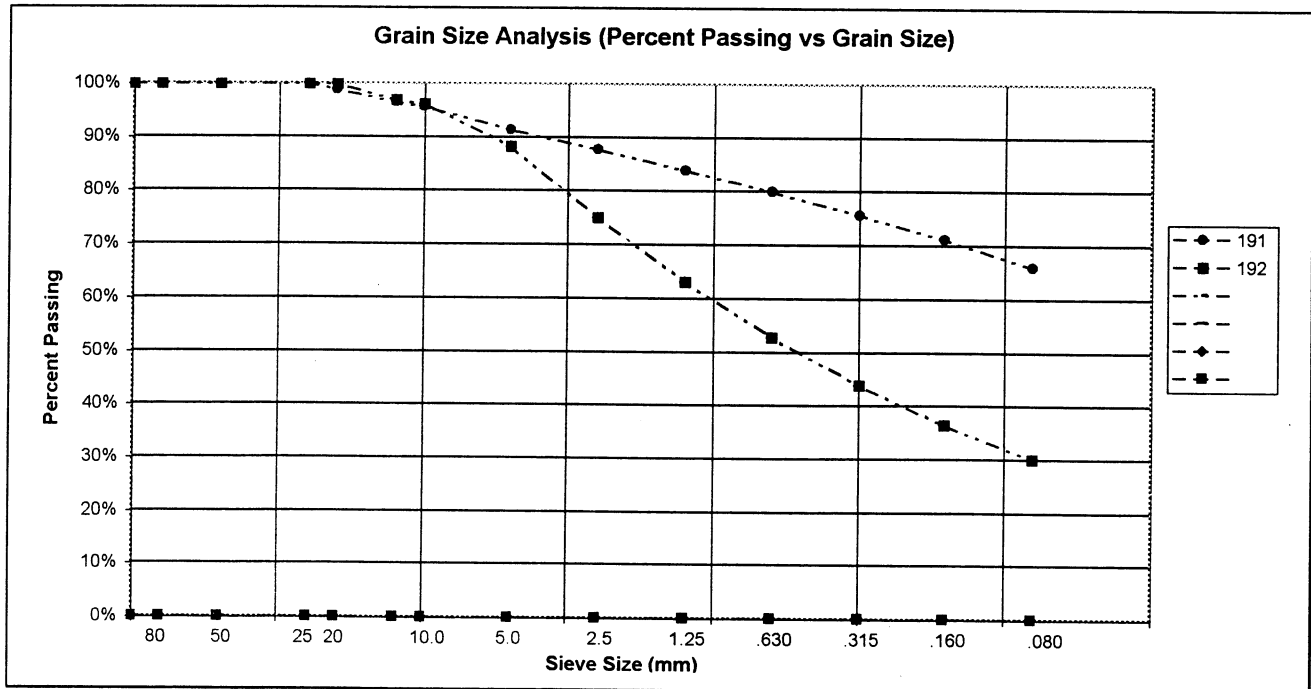


PROJECT NUMBER: 8002-318
CLIENT: YTG, Transportation & Engineering
PROJECT NAME: Geotechnical Services
PROJECT LOCATION: Km 1691.7-1717.3
DRILL UNIT: CME75
HOLE LOCATION: 633699-6773199
LOGGED BY: RW

HOLE No.: 30126

DATE COMP: 08/10/2004

Table with columns for Field No., Lab No., Depth, Type, Sieve Size, Percent Passing, and Classification. It contains data for two samples (191 and 192) and various sieve sizes from 100.0 mm down to 0.080 mm, along with moisture content and plasticity indices.



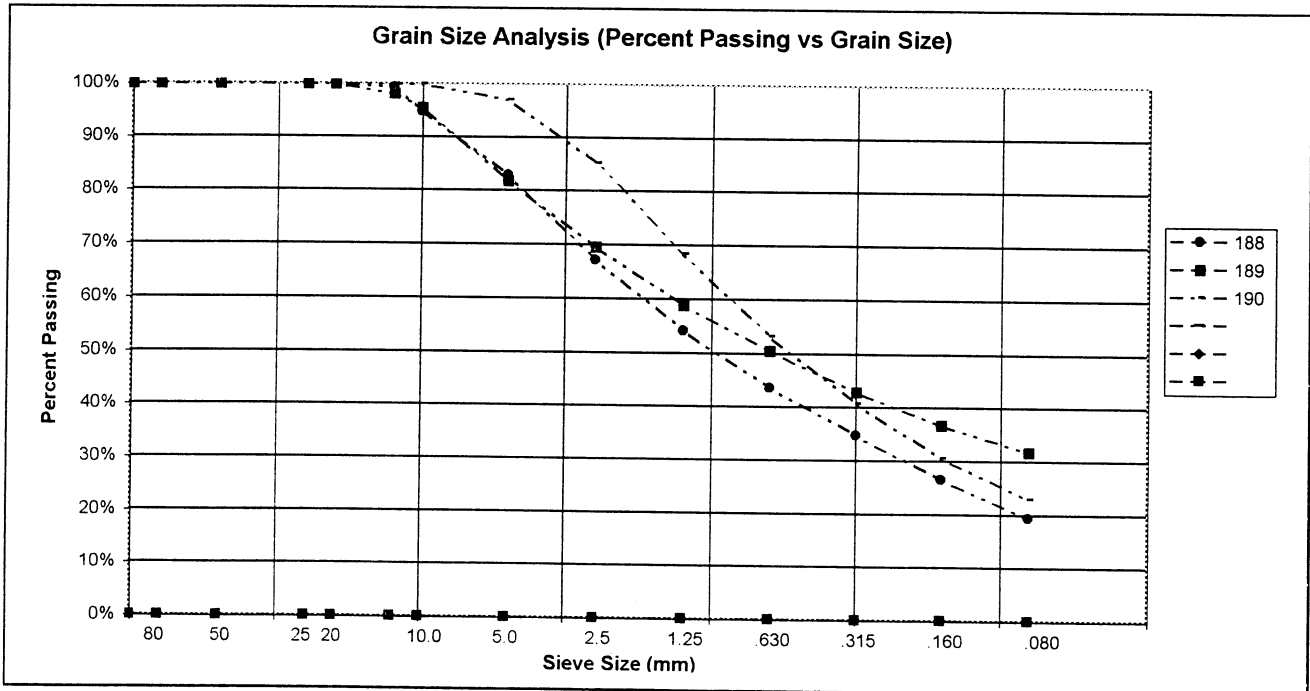


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633619-6773331
 LOGGED BY: RW

HOLE No.: 30127

DATE COMP: 08/10/2004

FIELD NO:	188	189	190		
LAB NO:	188	189	190		
DEPTH:	0.6-1.2	2.1-2.9	4.0-4.6		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	100%	100%	100%		
20.0	100%	100%	100%		
12.5	99%	98%	100%		
10.0	95%	95%	100%		
5.0	83%	82%	97%		
2.5	67%	70%	85%		
1.25	54%	59%	68%		
0.630	44%	51%	53%		
0.315	35%	43%	41%		
0.160	27%	37%	31%		
0.080	20%	32%	23%		
M.C.(%):	16%	12%	3%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX:	0.0	0.0	0.0		
% GRAVEL:	17	18	3		
% SAND:	64	50	74		
% FINES:	20	32	23		
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)		





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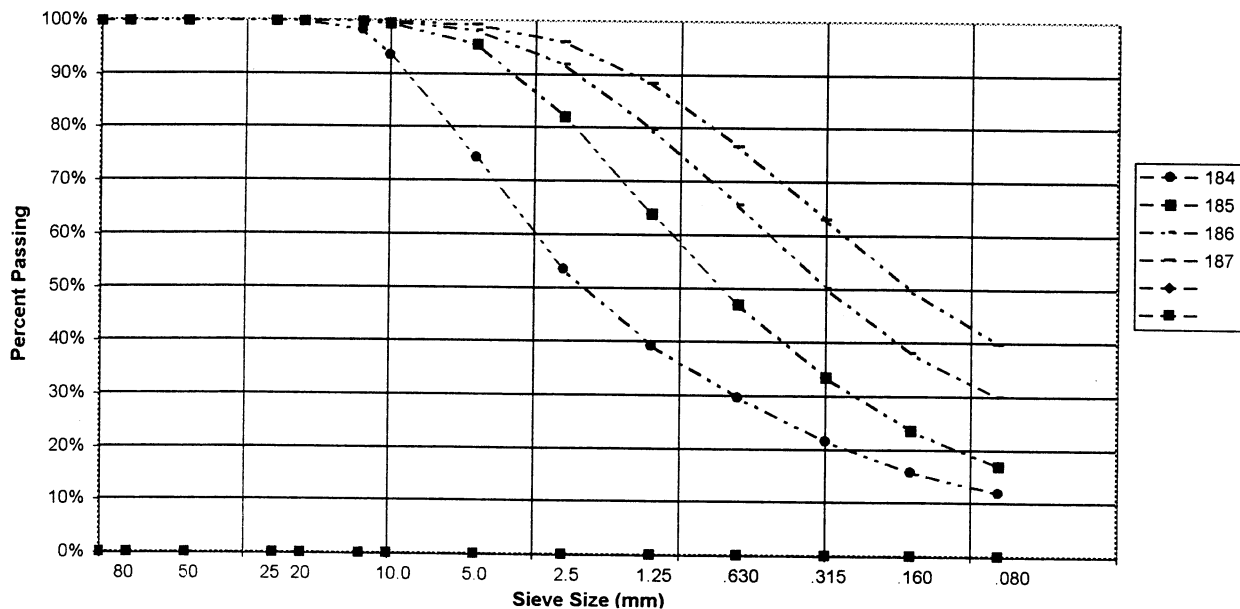
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633550-6773445
 LOGGED BY: RW

HOLE No.: 30128

DATE COMP: 08/10/2004

FIELD NO:	184	185	186	187		
LAB NO:	184	185	186	187		
DEPTH:	0.4-0.9	2.1-2.9	3.7-4.3	5.2-5.8		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	100%	100%	100%		
25.0	100%	100%	100%	100%		
20.0	100%	100%	100%	100%		
12.5	98%	100%	100%	100%		
10.0	94%	100%	100%	100%		
5.0	74%	96%	98%	99%		
2.5	54%	82%	92%	96%		
1.25	39%	64%	80%	88%		
0.630	30%	47%	66%	77%		
0.315	22%	34%	50%	63%		
0.160	16%	24%	38%	50%		
0.080	12%	17%	30%	40%		
M.C.(%)	2%	9%	9%	10%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX:	0.0	0.0	0.0	0.0		
% GRAVEL:	26	4	2	1		
% SAND:	62	79	68	60		
% FINES:	12	17	30	40		
CLASSIFICATION	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILTY SAND (SM)	SILTY SAND (SM)	SILTY SAND (SM)		

Grain Size Analysis (Percent Passing vs Grain Size)



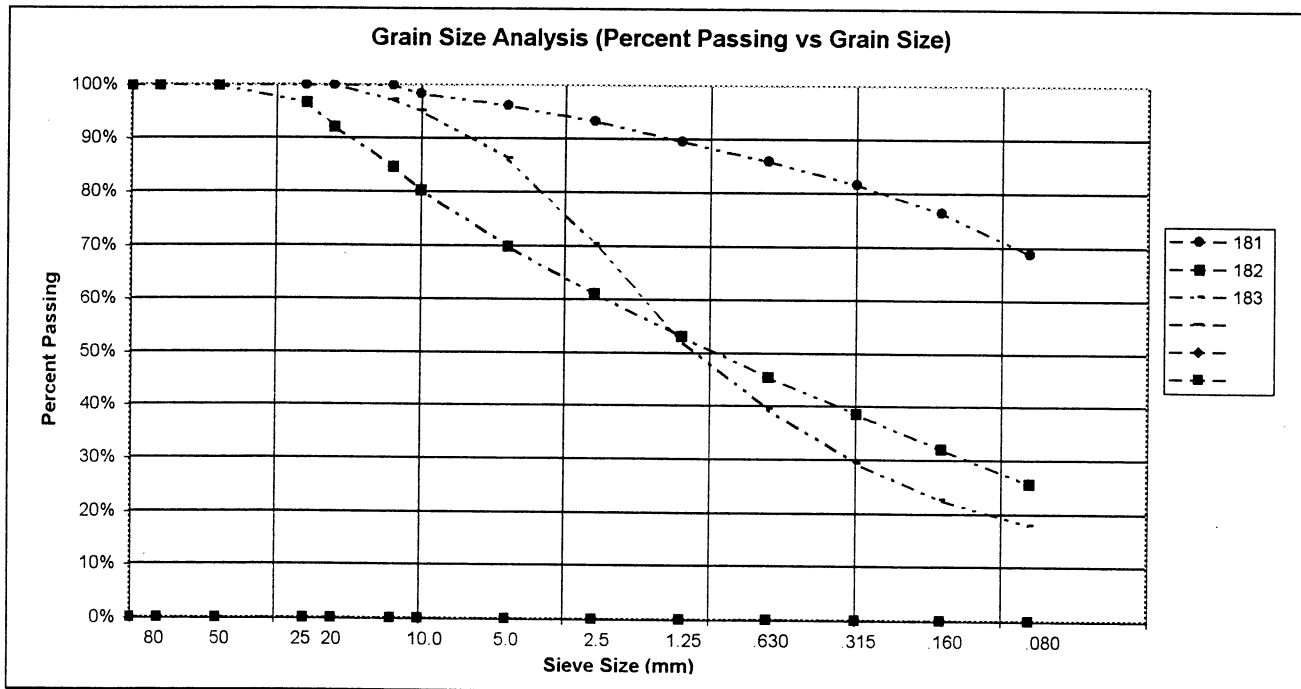


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633531-6773473
 LOGGED BY: RW

HOLE No.: 30129

DATE COMP: 08/10/2004

FIELD NO:	181	182	183		
LAB NO:	181	182	183		
DEPTH:	0.6-1.2	1.8-2.4	3.4-3.7		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	100%	97%	100%		
20.0	100%	92%	100%		
12.5	100%	85%	97%		
10.0	98%	80%	95%		
5.0	96%	70%	86%		
2.5	93%	61%	70%		
1.25	90%	53%	52%		
0.630	86%	46%	39%		
0.315	82%	39%	29%		
0.160	76%	32%	23%		
0.080	69%	26%	18%		
M.C.(%):	34%	9%	5%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0		
% GRAVEL:	4	30	14		
% SAND:	27	44	68		
% FINES:	69	26	18		
CLASSIFICATION	SANDY SILT (ML)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)		





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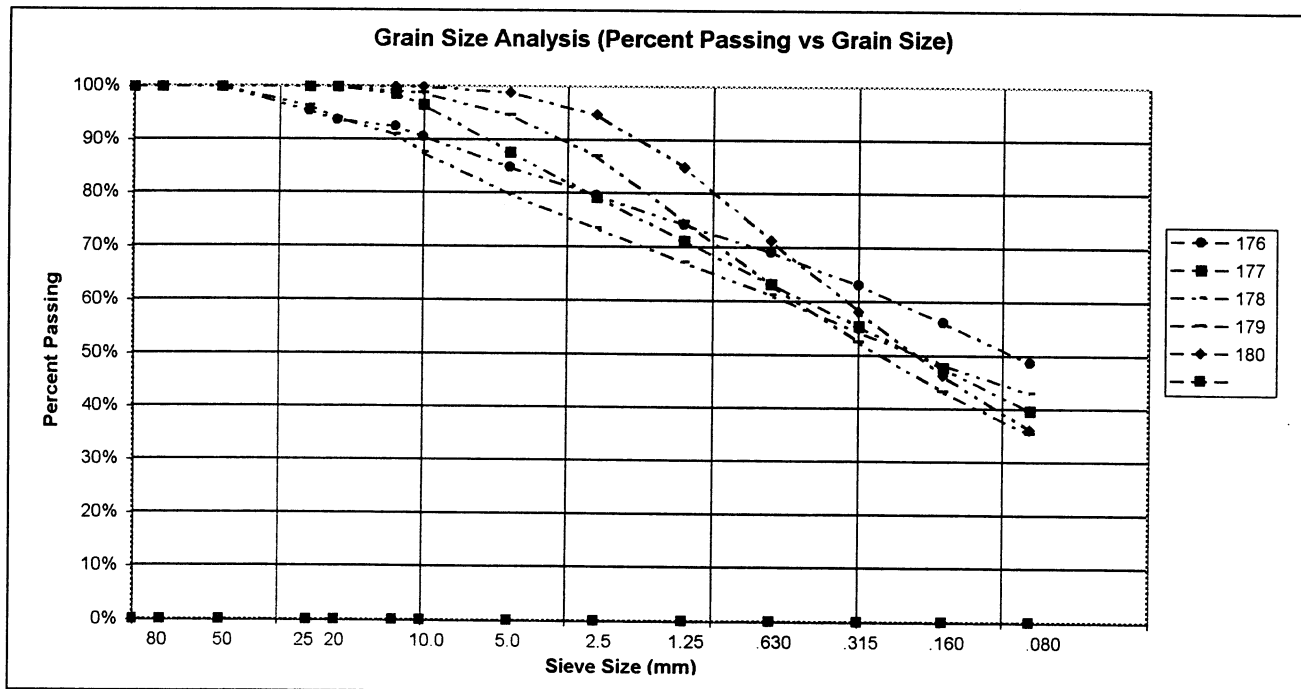


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633472-6773537
 LOGGED BY: RW

HOLE No.: 30130

DATE COMP: 08/10/2004

FIELD NO:	176	177	178	179	180	
LAB NO:	176	177	178	179	180	
DEPTH:	0.6-1.2	1.8-2.4	3.7-4.3	4.9-5.5	7.0-7.6	
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	#N/A
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%	100%	100%	
80.0	100%	100%	100%	100%	100%	
50.0	100%	100%	100%	100%	100%	
25.0	95%	100%	96%	100%	100%	
20.0	94%	100%	94%	100%	100%	
12.5	93%	99%	91%	99%	100%	
10.0	91%	97%	87%	99%	100%	
5.0	85%	88%	80%	95%	99%	
2.5	80%	79%	74%	87%	95%	
1.25	74%	71%	67%	75%	85%	
0.630	69%	63%	61%	63%	71%	
0.315	63%	55%	54%	53%	58%	
0.160	56%	48%	48%	43%	46%	
0.080	49%	40%	43%	35%	36%	
M.C.(%)	13%	10%	9%	5%	4%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	
% GRAVEL:	15	12	20	5	1	
% SAND:	36	48	37	59	63	
% FINES:	49	40	43	35	36	
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)	SILTY SAND (SM)	





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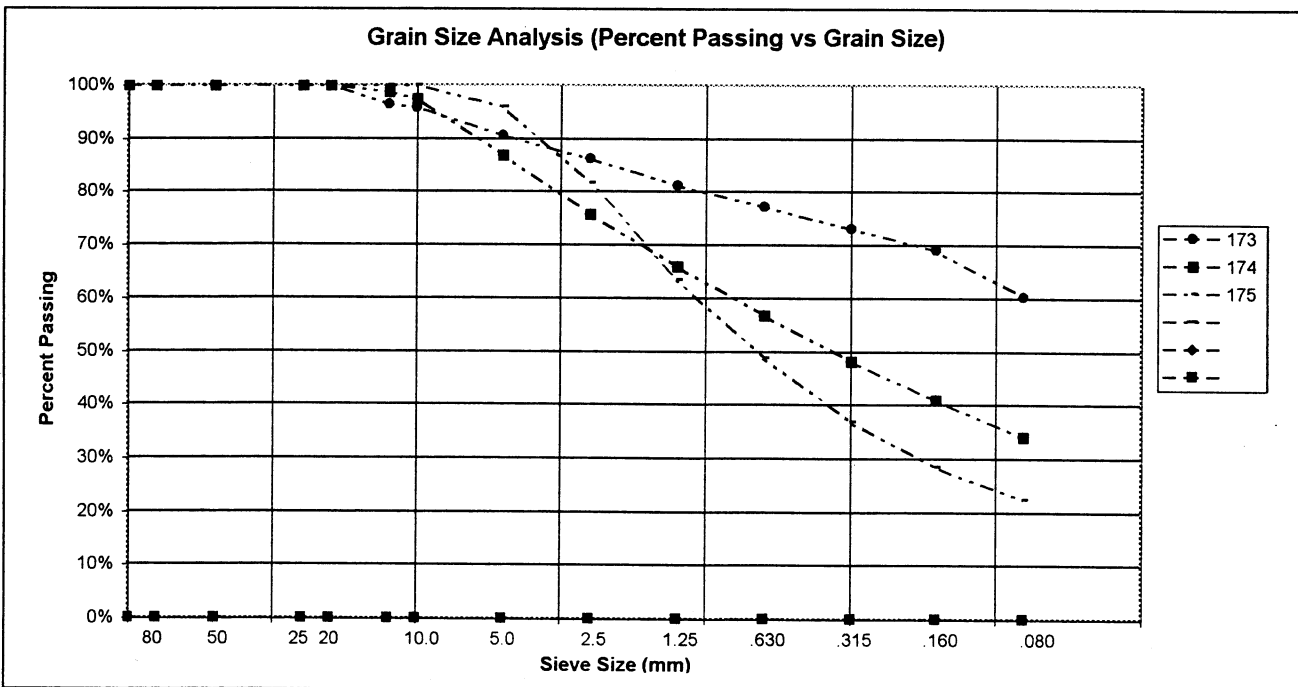


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633423-6773651
 LOGGED BY: RW

HOLE No.: 30131

DATE COMP: 08/10/2004

FIELD NO:	173	174	175		
LAB NO:	173	174	175		
DEPTH:	0.3-0.9	1.8-2.4	3.4-3.7		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	100%	100%	100%		
20.0	100%	100%	100%		
12.5	96%	99%	100%		
10.0	96%	98%	100%		
5.0	91%	87%	96%		
2.5	86%	76%	82%		
1.25	81%	66%	63%		
0.630	77%	57%	49%		
0.315	73%	48%	37%		
0.160	69%	41%	29%		
0.080	60%	34%	22%		
M.C.(%):	31%	7%	3%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0		
% GRAVEL:	9	13	4		
% SAND:	30	53	74		
% FINES:	60	34	22		
CLASSIFICATION	SANDY SILT (ML)	SILTY SAND (SM)	SILTY SAND (SM)		





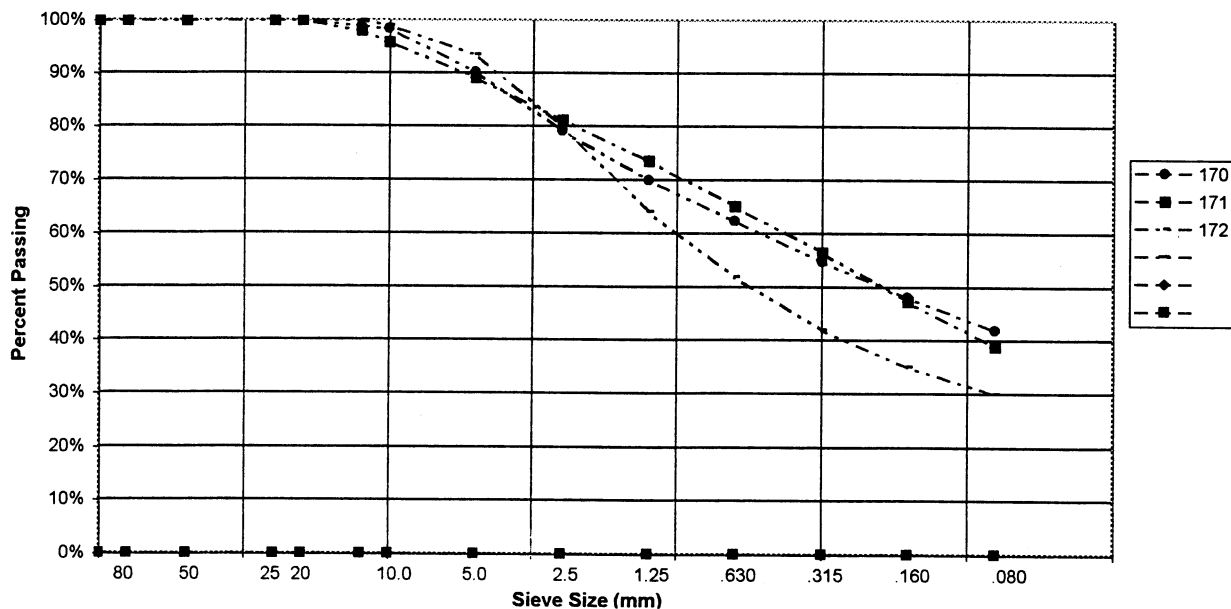
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633337-6773786
 LOGGED BY: RW

HOLE No.: 30132

DATE COMP: 08/09/2004

FIELD NO:	170	171	172		
LAB NO:	170	171	172		
DEPTH:	0.9-1.2	2.1-2.7	3.4-4.0		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	100%	100%	100%		
20.0	100%	100%	100%		
12.5	99%	98%	100%		
10.0	98%	96%	99%		
5.0	90%	89%	93%		
2.5	79%	81%	80%		
1.25	70%	74%	64%		
0.630	62%	65%	52%		
0.315	55%	56%	42%		
0.160	48%	47%	35%		
0.080	42%	39%	30%		
M.C.(%)	10%	9%	6%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0		
% GRAVEL:	10	11	7		
% SAND:	48	50	63		
% FINES:	42	39	30		
CLASSIFICATION	SILTY SAND (SM)	SILTY SAND (SM)	SILTY SAND (SM)		

Grain Size Analysis (Percent Passing vs Grain Size)



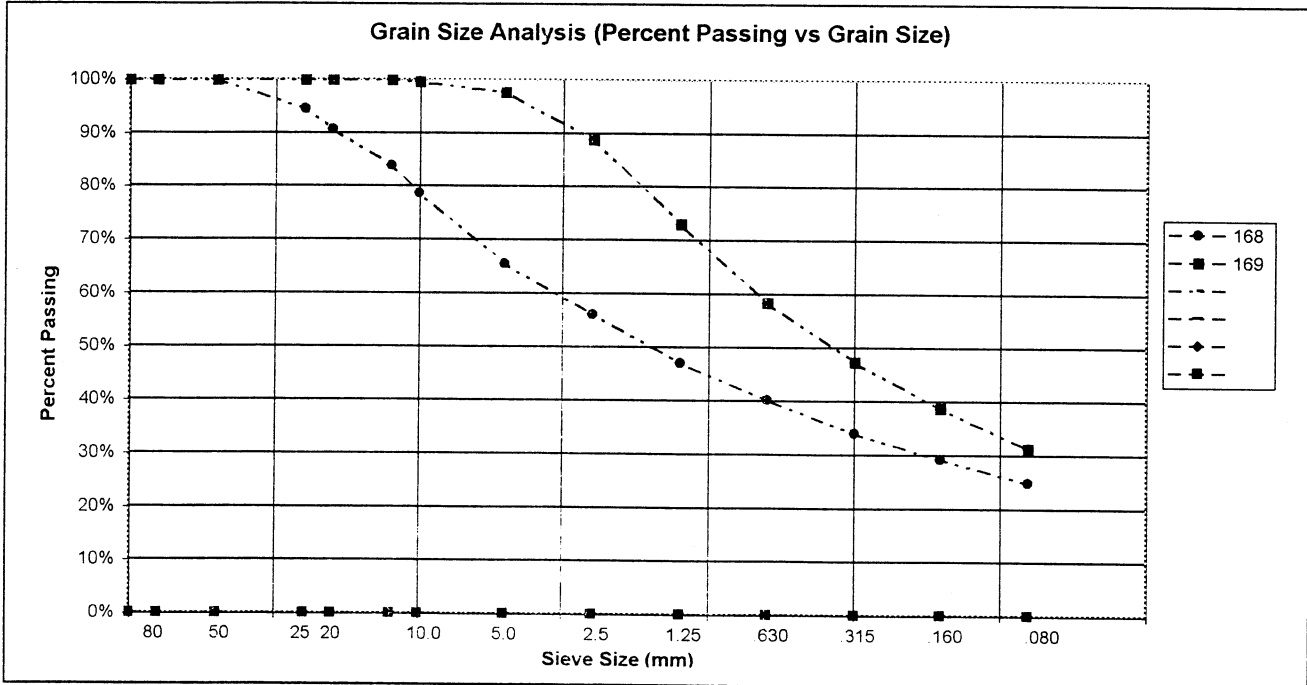


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633261-6773901
 LOGGED BY: RW

HOLE No.: 30133

DATE COMP: 08/09/2004

FIELD NO:	168	169			
LAB NO:	168	169			
DEPTH:	0.9-1.2	1.8-2.4			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	95%	100%			
20.0	91%	100%			
12.5	84%	100%			
10.0	79%	100%			
5.0	65%	98%			
2.5	56%	89%			
1.25	47%	73%			
0.630	40%	58%			
0.315	34%	47%			
0.160	29%	39%			
0.080	25%	31%			
M.C.(%):	7%	8%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	35	2			
% SAND:	41	66			
% FINES:	25	31			
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)			





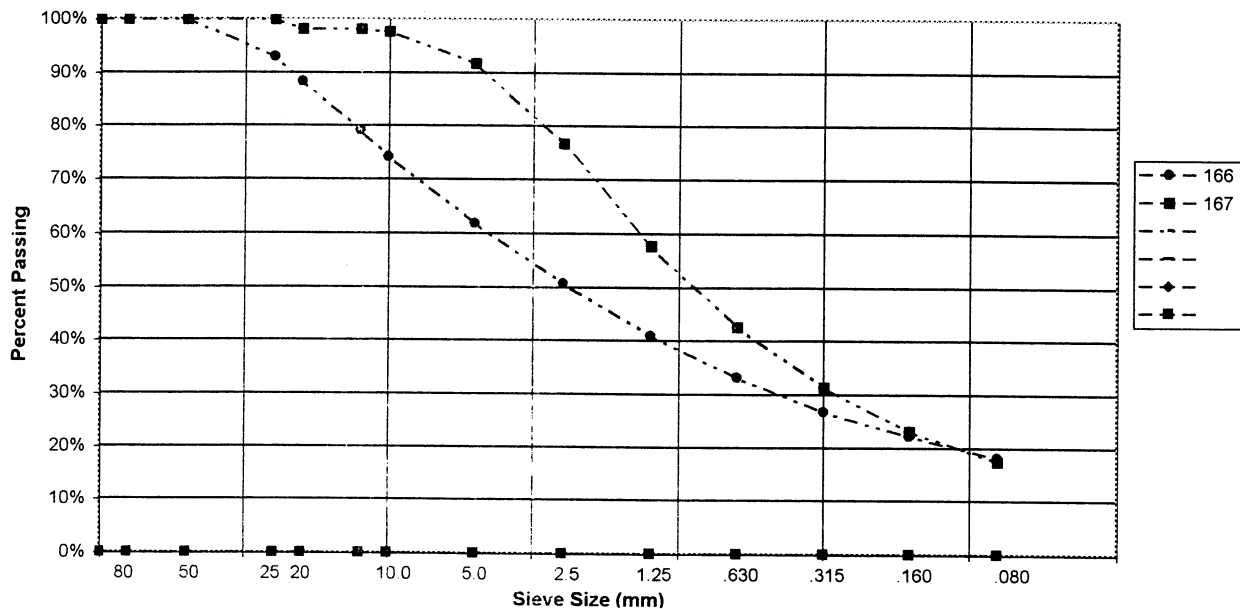
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633158-6774008
 LOGGED BY: RW

HOLE No.: 30134

DATE COMP: 08/09/2004

FIELD NO:	166	167			
LAB NO:	166	167			
DEPTH:	0.9-1.2	1.8-2.4			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	93%	100%			
20.0	88%	98%			
12.5	79%	98%			
10.0	74%	98%			
5.0	62%	92%			
2.5	51%	77%			
1.25	41%	58%			
0.630	33%	43%			
0.315	27%	31%			
0.160	22%	23%			
0.080	18%	18%			
M.C.(%)	8%	1%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	38	8			
% SAND:	44	74			
% FINES:	18	18			
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)			

Grain Size Analysis (Percent Passing vs Grain Size)



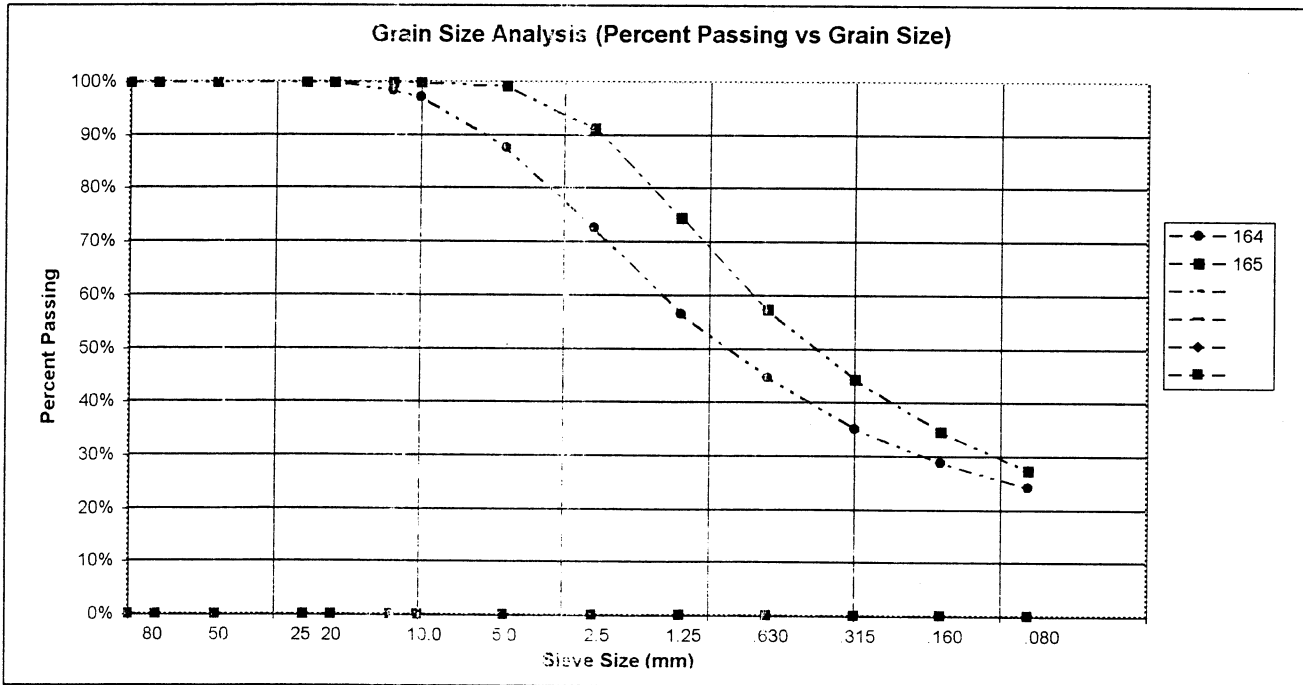


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633067-6774137
 LOGGED BY: RW

HOLE No.: 30135

DATE COMP: 08/09/2004

FIELD NO:	164	165			
LAB NO:	164	165			
DEPTH:	0.9-1.5	2.1-3.0			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	100%	100%			
20.0	100%	100%			
12.5	98%	100%			
10.0	97%	100%			
5.0	88%	99%			
2.5	73%	91%			
1.25	57%	74%			
0.630	45%	57%			
0.315	35%	44%			
0.160	29%	35%			
0.080	24%	27%			
M.C.(%)	10%	9%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	12	1			
% SAND:	63	72			
% FINES:	24	27			
CLASSIFICATION	SILTY SAND (SM)	SILTY SAND (SM)			





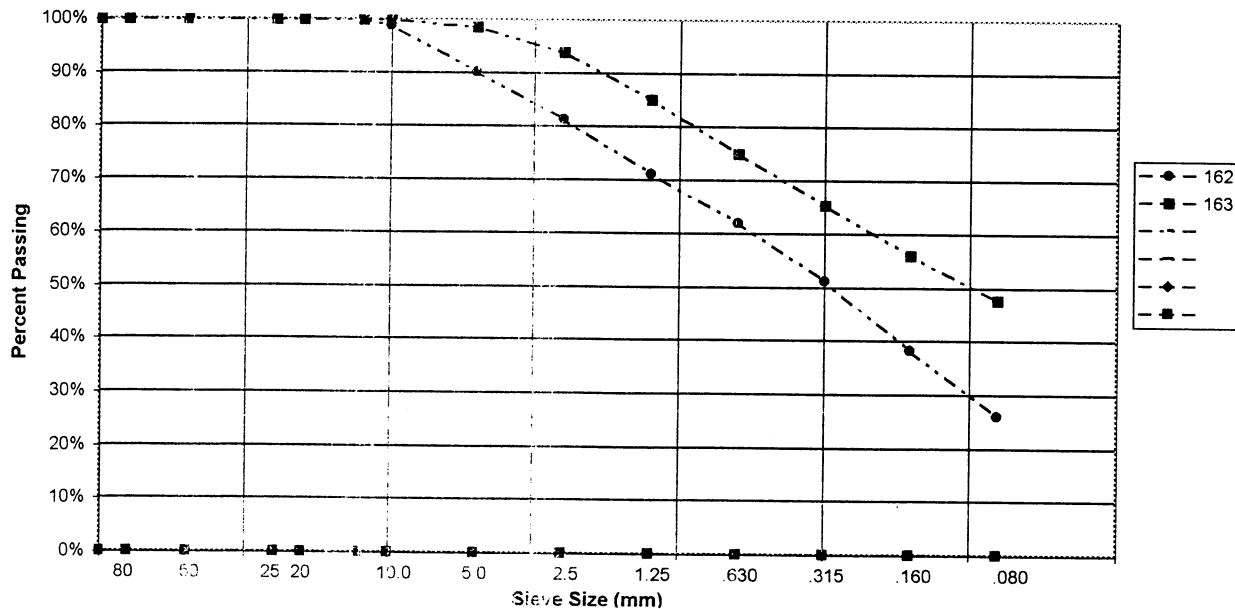
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 633003-6774206
 LOGGED BY: RW

HOLE No.: 30136

DATE COMP: 08/09/2004

FIELD NO:	162	163			
LAB NO:	162	163			
DEPTH:	0.6-1.2	1.5-2.1			
TYPE:	AUGER	AUGER			
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING			
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	100%	100%			
20.0	100%	100%			
12.5	100%	100%			
10.0	99%	100%			
5.0	90%	99%			
2.5	81%	94%			
1.25	71%	85%			
0.630	62%	75%			
0.315	51%	65%			
0.160	38%	56%			
0.080	26%	46%			
M.C.(%)	11%	14%			
LIQUID LIMIT:	0.0	0.0			
PLASTIC LIMIT:	0.0	0.0			
PLASTIC INDEX:	0.0	0.0			
% GRAVEL:	10	1			
% SAND:	64	51			
% FINES:	26	48			
CLASSIFICATION	SILTY SAND (SM)	SILTY SAND (SM)			

Grain Size Analysis (Percent Passing vs Grain Size)



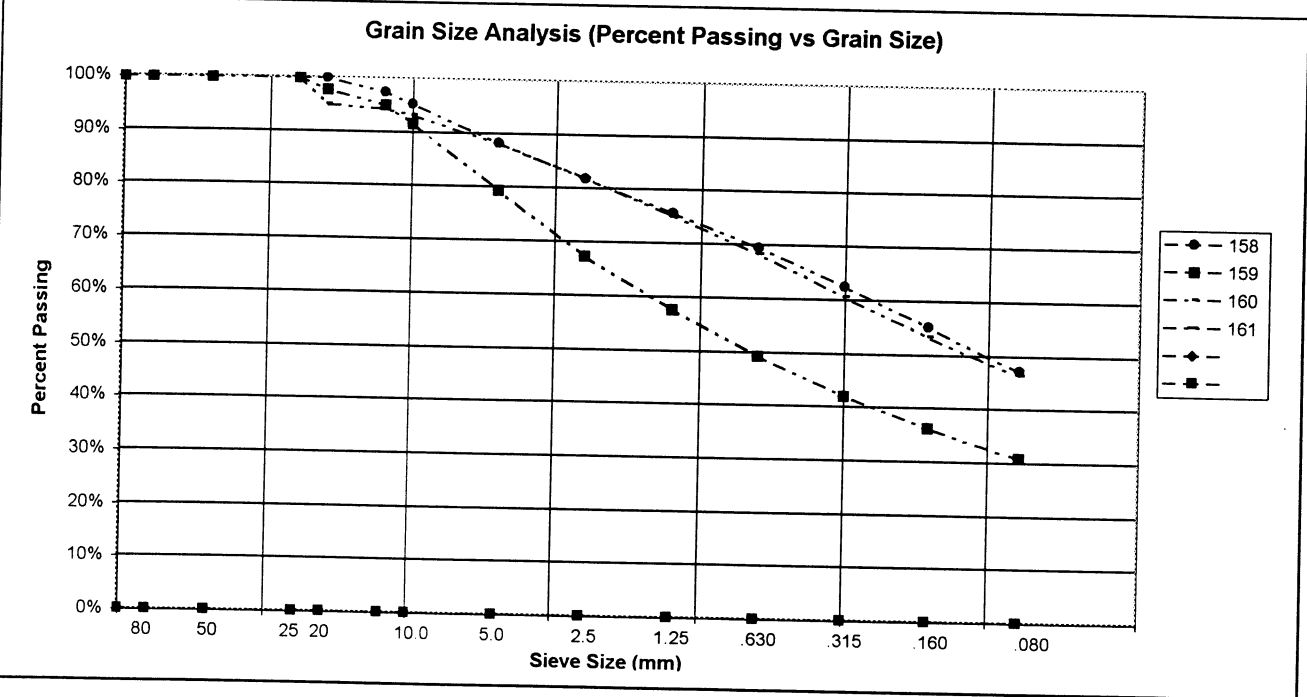


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 632037-6775613
 LOGGED BY: RW

HOLE No.: 30148

DATE COMP: 08/03/2004

FIELD NO:	158	159	160	161	
LAB NO:	158	159	160	161	
DEPTH:	0.9-1.5	2.1-2.7	3.7-4.3	4.9-5.2	
TYPE:	AUGER	AUGER	AUGER	AUGER	
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	100%	100%	100%		
20.0	100%	98%	95%		
12.5	98%	95%	94%		
10.0	95%	92%	93%		
5.0	88%	79%	88%		
2.5	82%	67%	82%		
1.25	76%	58%	75%		
0.630	70%	49%	68%		
0.315	63%	42%	61%		
0.160	55%	36%	53%		
0.080	47%	31%	46%		
M.C.(%):	25%	11%	16%	5%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	
PLASTIC INDEX.:	0.0	0.0	0.0	0.0	
% GRAVEL:	12	21	12	#VALUE!	
% SAND:	41	49	42	#VALUE!	
% FINES:	47	31	46	#VALUE!	
CLASSIFICATION	SILTY SAND (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)	#VALUE!	



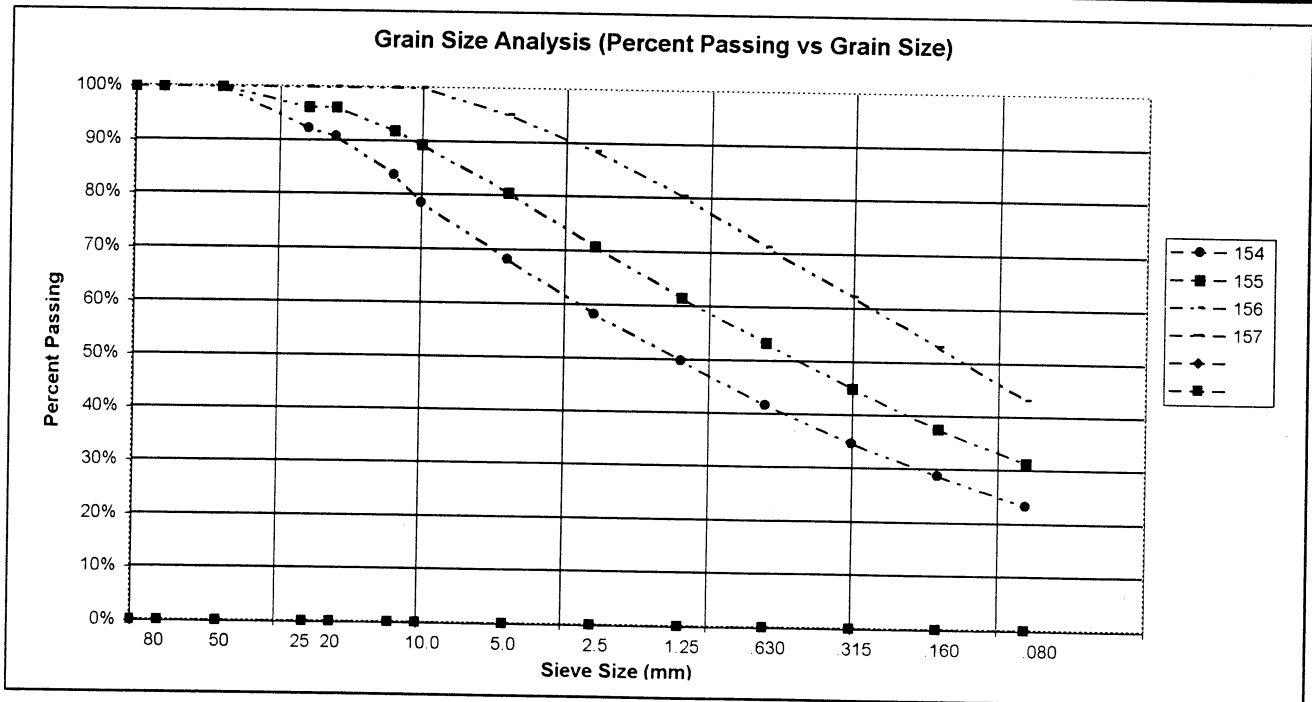


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631983-6775666
 LOGGED BY: RW

HOLE No.: 30149

DATE COMP: 08/03/2004

FIELD NO:	154	155	156	157		
LAB NO:	154	155	156	157		
DEPTH:	0.9-1.4	2.1-2.7	4.0-4.6	5.3-5.5		
TYPE:	AUGER	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	100%	100%	100%		
25.0	92%	96%	100%	100%		
20.0	91%	96%	100%	100%		
12.5	84%	92%	100%	100%		
10.0	79%	89%	100%	100%		
5.0	68%	81%	95%	88%		
2.5	58%	71%	80%	71%		
1.25	50%	62%	62%	62%		
0.630	42%	53%	53%	43%		
0.315	35%	45%	45%	43%		
0.160	29%	38%	38%	43%		
0.080	23%	31%	31%	43%		
M.C.(%)	10%	12%	15%	5%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX:	0.0	0.0	0.0	0.0		
% GRAVEL:	32	19	5	#VALUE!		
% SAND:	45	49	52	#VALUE!		
% FINES:	23	31	43	#VALUE!		
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)	#VALUE!		



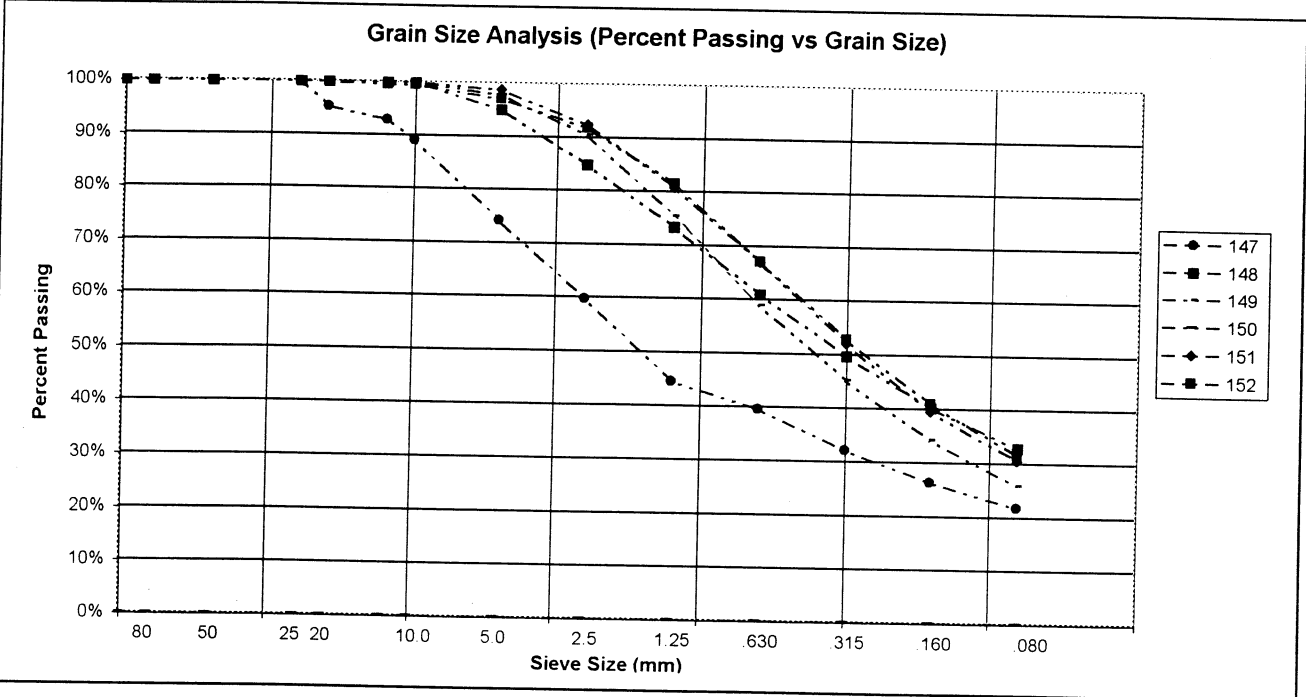


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631923-6775739
 LOGGED BY: RW

HOLE No.: 30150

DATE COMP: 08/03/2004

FIELD NO:	147	148	149	150	151	152
LAB NO:	147	148	149	150	151	152
DEPTH:	0.9-1.2	1.8-2.4	3.7-4.3	5.3-5.5	6.4-7.3	7.9-8.5
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	AUGER
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING
100.0	100%	100%	100%		100%	100%
80.0	100%	100%	100%		100%	100%
50.0	100%	100%	100%		100%	100%
25.0	100%	100%	100%		100%	100%
20.0	95%	100%	100%		100%	100%
12.5	93%	100%	100%		100%	100%
10.0	89%	100%	100%		100%	100%
5.0	74%	95%	98%		100%	100%
2.5	60%	85%	90%		99%	97%
1.25	45%	73%	75%		92%	92%
0.630	40%	61%	59%		81%	81%
0.315	32%	50%	45%		67%	67%
0.160	26%	40%	34%		52%	53%
0.080	22%	33%	26%		40%	41%
					30%	32%
M.C.(%)	15%	3%	14%	7%	5%	7%
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC INDEX.:	0.0	0.0	0.0	0.0	0.0	0.0
% GRAVEL:	26	5	2	#VALUE!	1	3
% SAND:	52	62	72	#VALUE!	68	66
% FINES:	22	33	26	#VALUE!	30	32
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)	SILTY SAND (SM)	#VALUE!	SILTY SAND (SM)	SILTY SAND (SM)



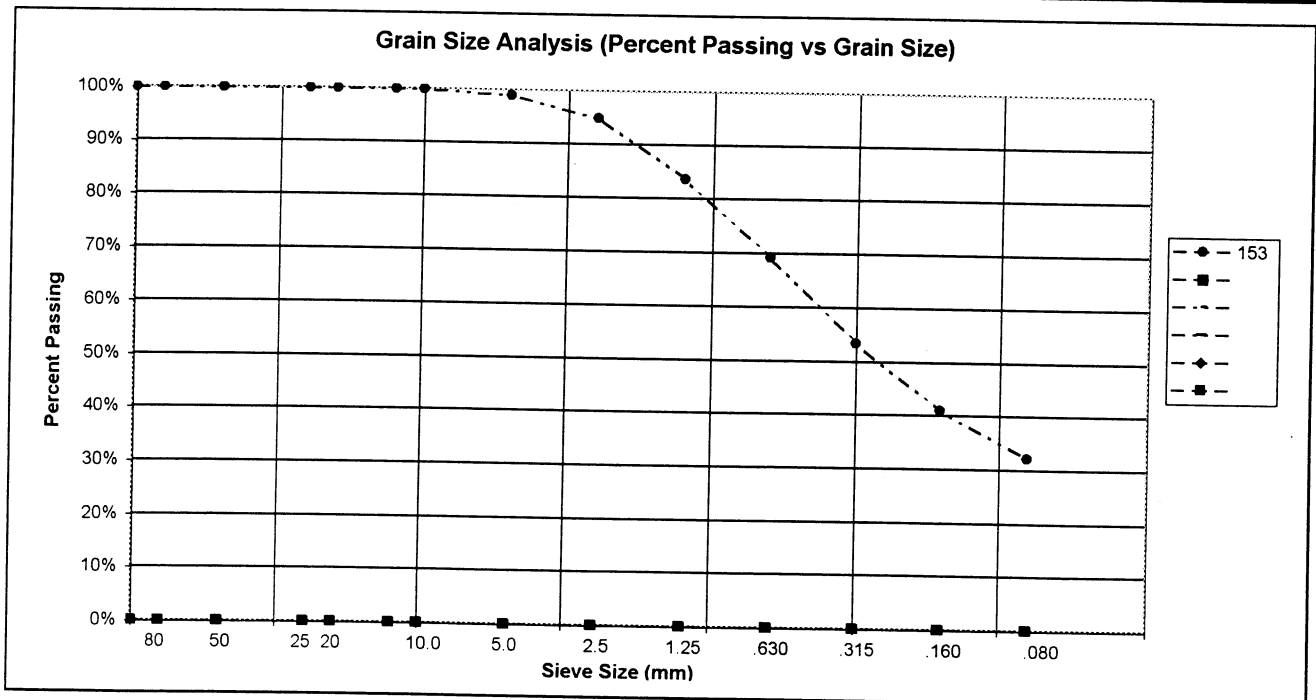


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631923-6775739
 LOGGED BY: RW

HOLE No.: 30150

DATE COMP: 08/03/2004

FIELD NO:	153				
LAB NO:	153				
DEPTH:	9.4-10.1				
TYPE:	AUGER				
SIEVE SIZE	PERCENT PASSING				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	100%				
20.0	100%				
12.5	100%				
10.0	100%				
5.0	99%				
2.5	95%				
1.25	84%				
0.630	69%				
0.315	53%				
0.160	41%				
0.080	32%				
M.C.(%):	5%				
LIQUID LIMIT:	0.0				
PLASTIC LIMIT:	0.0				
PLASTIC INDEX.:	0.0				
% GRAVEL:	1				
% SAND:	67				
% FINES:	32				
CLASSIFICATION	SILTY SAND (SM)				



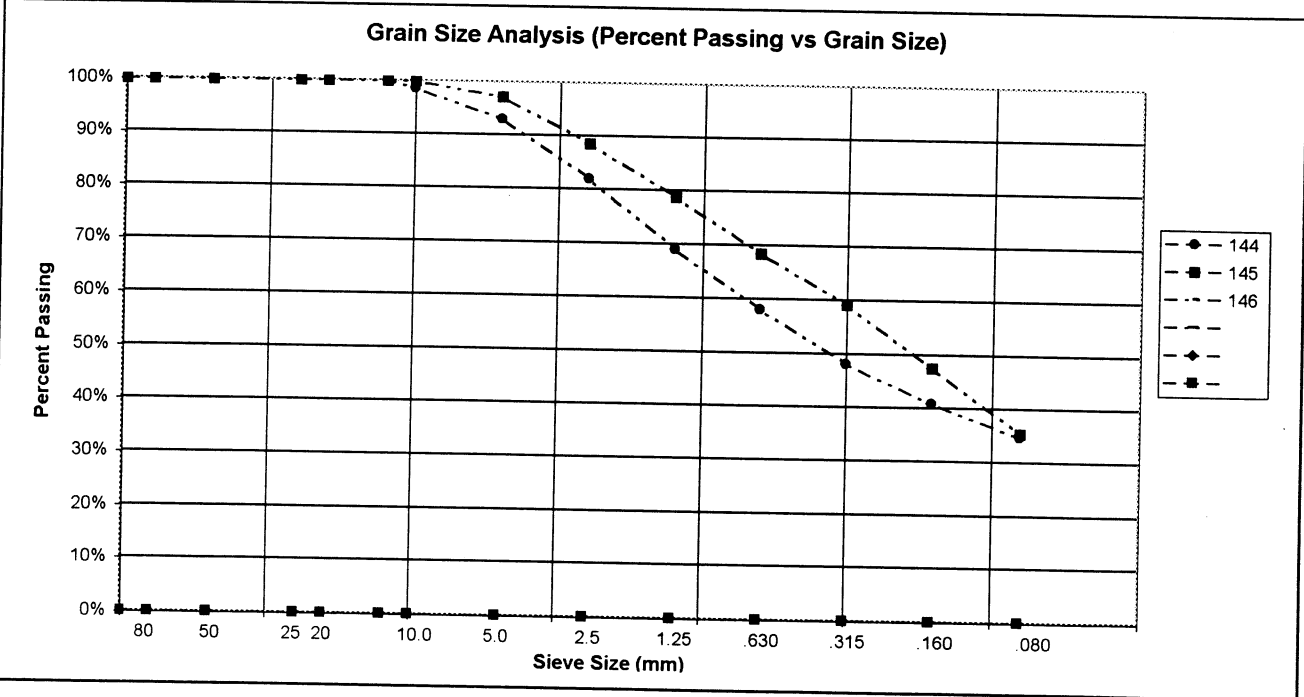


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631868-6775813
 LOGGED BY: RW

HOLE No.: 30151

DATE COMP: 08/03/2004

FIELD NO:	144	145	146		
LAB NO:	144	145	146		
DEPTH:	0.9-1.2	1.5-2.1	3.0-3.2		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%			
80.0	100%	100%			
50.0	100%	100%			
25.0	100%	100%			
20.0	100%	100%			
12.5	100%	100%			
10.0	99%	100%			
5.0	93%	97%			
2.5	82%	89%			
1.25	69%	79%			
0.630	58%	68%			
0.315	48%	59%			
0.160	41%	48%			
0.080	35%	35%			
M.C.(%):	22%	11%	7%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0		
% GRAVEL:	7	3	#VALUE!		
% SAND:	58	62	#VALUE!		
% FINES:	35	35	#VALUE!		
CLASSIFICATION	SILTY SAND (SM)	SILTY SAND (SM)	#VALUE!		



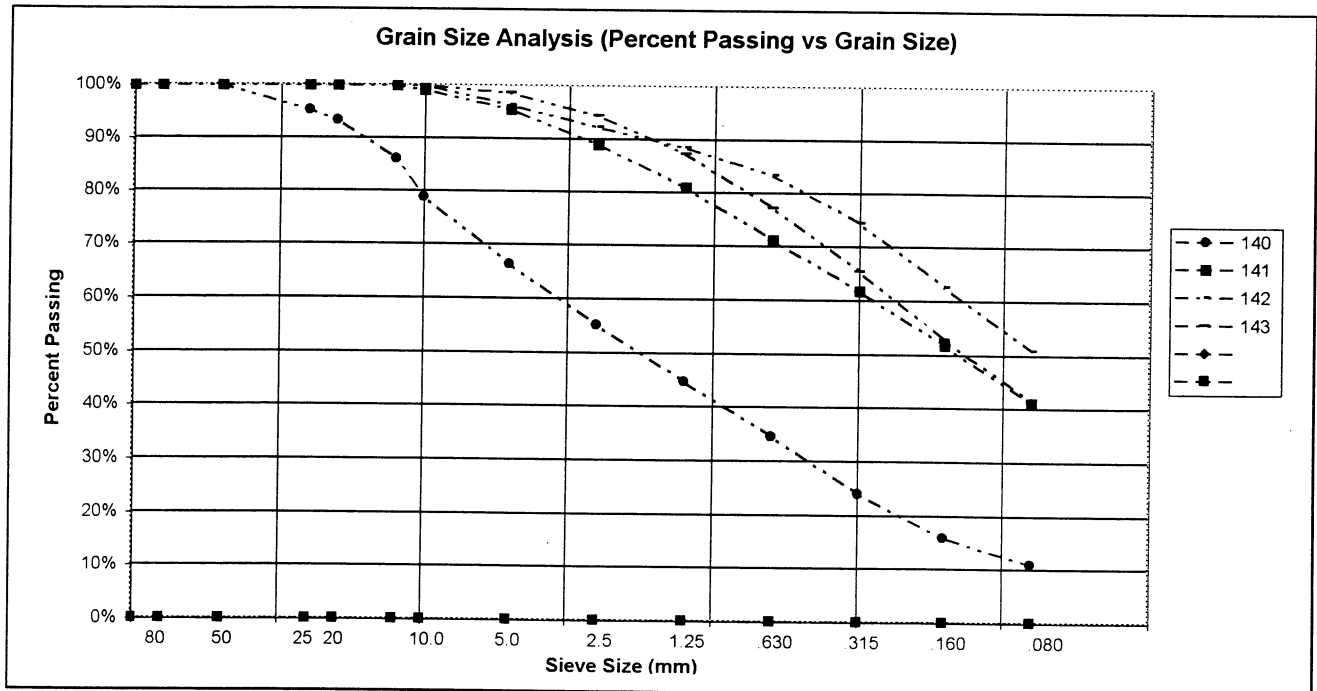


PROJECT NUMBER: 8002-318
CLIENT: YTG, Transportation & Engineering
PROJECT NAME: Geotechnical Services
PROJECT LOCATION: Km 1691.7-1717.3
DRILL UNIT: CME75
HOLE LOCATION: 631805-6775939
LOGGED BY: RW

HOLE No.: 30152

DATE COMP: 08/03/2004

Table with columns for Field No., Lab No., Depth, Type, Sieve Size, Percent Passing, M.C.(%), Liquid Limit, Plastic Limit, Plastic Index, % Gravel, % Sand, % Fines, and Classification.



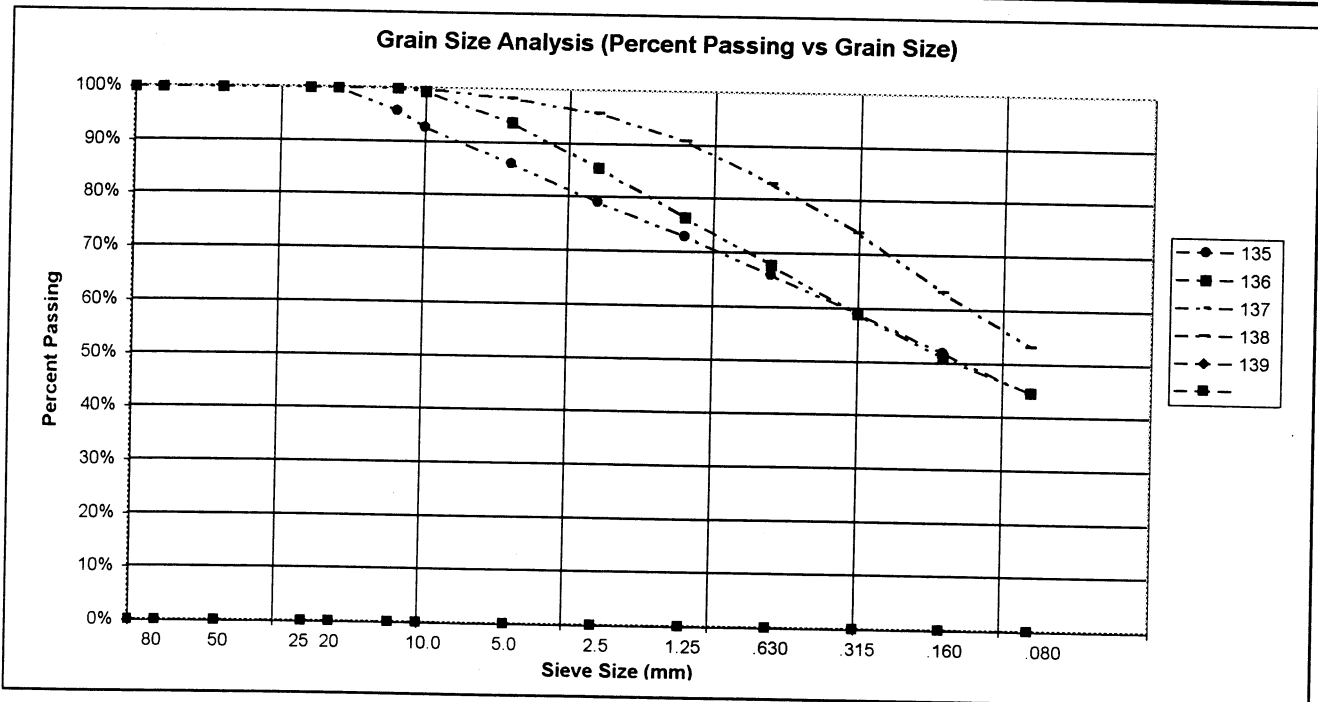


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631728-6776010
 LOGGED BY: RW

HOLE No.: 30153

DATE COMP: 08/03/2004

FIELD NO:	135	136	137	138	139	
LAB NO:	135	136	137	138	139	
DEPTH:	0.6-1.2	1.5-2.4	3.4-4.0	5.2-5.8	7.3-7.6	
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	#N/A
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%		100%		
80.0	100%	100%		100%		
50.0	100%	100%		100%		
25.0	100%	100%		100%		
20.0	100%	100%		100%		
12.5	96%	100%		100%		
10.0	93%	99%		100%		
5.0	86%	94%		98%		
2.5	79%	86%		96%		
1.25	73%	76%		91%		
0.630	66%	68%		83%		
0.315	59%	59%		74%		
0.160	52%	51%		63%		
0.080	44%	45%		53%		
M.C.(%):	11%	12%	7%	10%	5%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	
% GRAVEL:	14	6	#VALUE!	2	#VALUE!	
% SAND:	42	49	#VALUE!	45	#VALUE!	
% FINES:	44	45	#VALUE!	53	#VALUE!	
CLASSIFICATION	SILTY SAND (SM)	SILTY SAND (SM)	#VALUE!	SANDY SILT (ML)	#VALUE!	



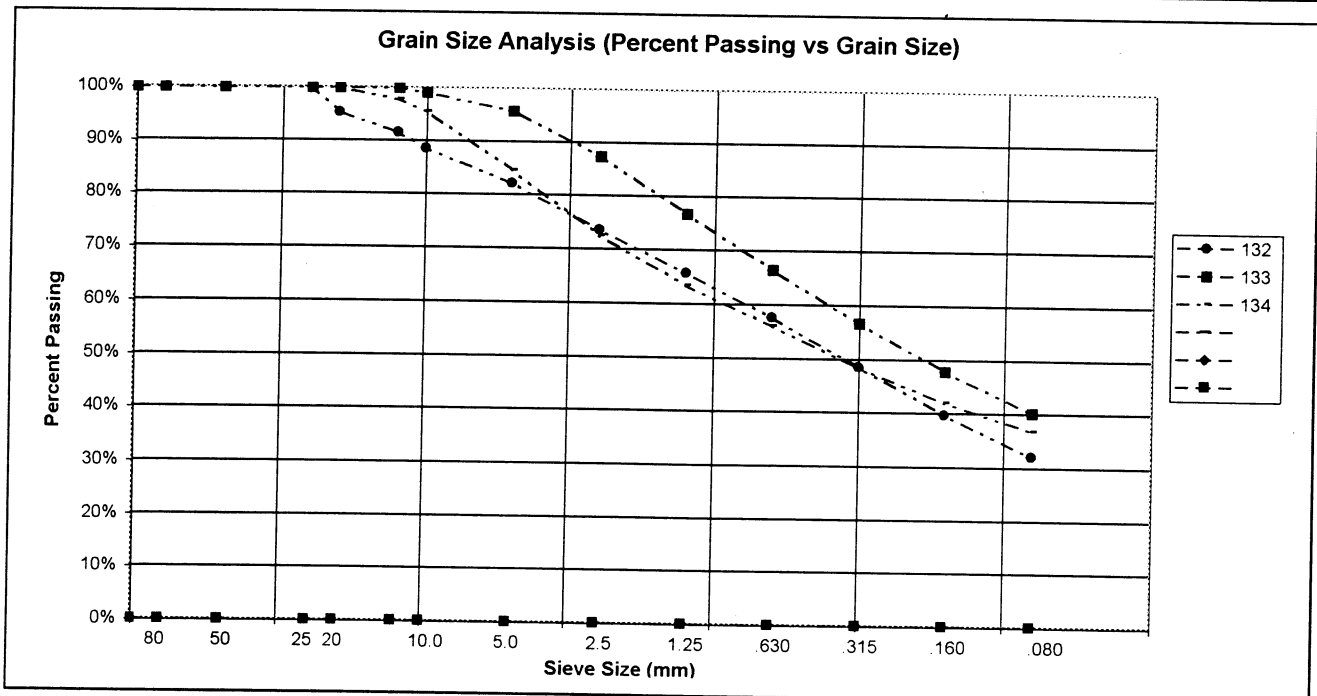


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631698-6776060
 LOGGED BY: RW

HOLE No.: 30154

DATE COMP: 07/31/2004

FIELD NO:	132	133	134		
LAB NO:	132	133	134		
DEPTH:	0.3-0.9	1.5-2.4	3.4-4.0		
TYPE:	AUGER	AUGER	AUGER		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%		
80.0	100%	100%	100%		
50.0	100%	100%	100%		
25.0	100%	100%	100%		
20.0	95%	100%	100%		
12.5	92%	100%	98%		
10.0	89%	99%	96%		
5.0	82%	96%	85%		
2.5	74%	87%	73%		
1.25	66%	77%	64%		
0.630	58%	67%	56%		
0.315	49%	57%	48%		
0.160	40%	48%	42%		
0.080	32%	40%	37%		
M.C.(%):	30%	19%	13%		
LIQUID LIMIT:	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0		
PLASTIC INDEX:	0.0	0.0	0.0		
% GRAVEL:	18	4	15		
% SAND:	50	55	48		
% FINES:	32	40	37		
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)	SILTY SAND WITH GRAVEL (SM)		





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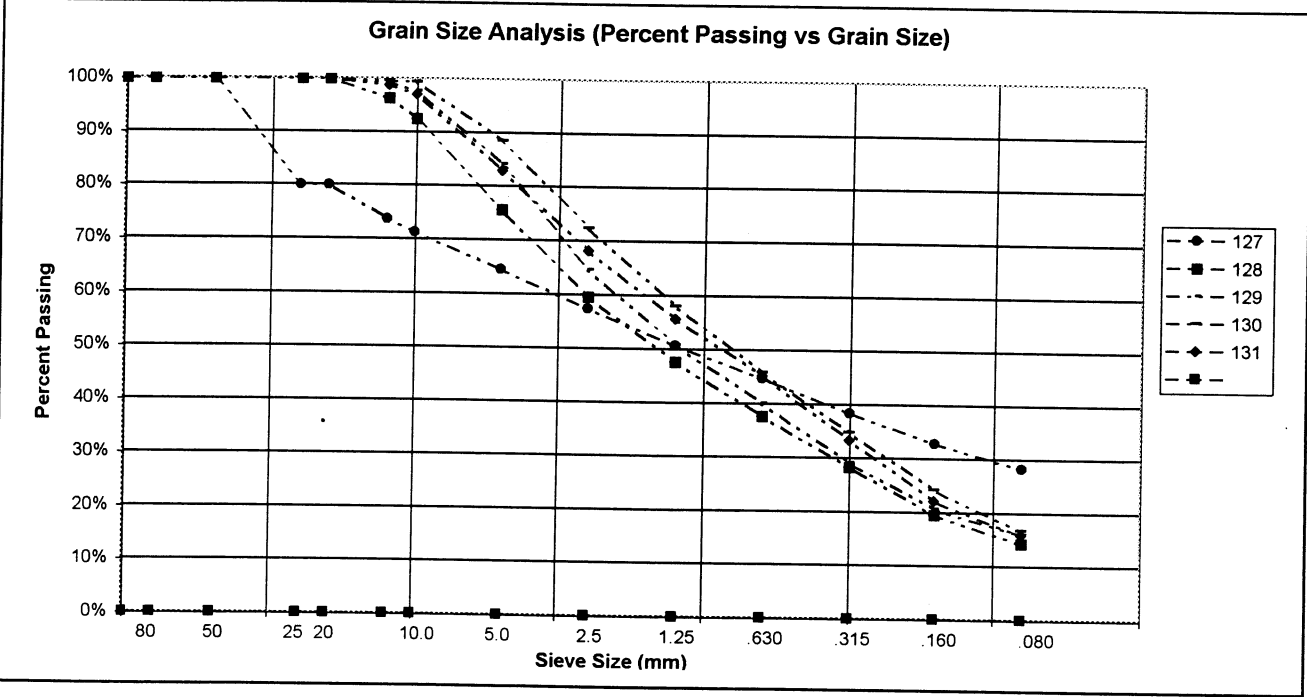


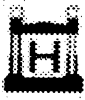
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631643-6776117
 LOGGED BY: RW

HOLE No.: 30155

DATE COMP: 07/31/2004

FIELD NO:	127	128	129	130	131	
LAB NO:	127	128	129	130	131	
DEPTH:	0.8-1.2	1.5-2.0	2.4-2.9	3.4-4.0	5.2-5.8	
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	#N/A
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%	100%	100%	
80.0	100%	100%	100%	100%	100%	
50.0	100%	100%	100%	100%	100%	
25.0	80%	100%	100%	100%	100%	
20.0	80%	100%	100%	100%	100%	
12.5	74%	96%	99%	100%	99%	
10.0	71%	93%	98%	99%	97%	
5.0	65%	76%	84%	88%	83%	
2.5	57%	60%	65%	72%	68%	
1.25	51%	48%	51%	58%	56%	
0.630	45%	38%	40%	46%	45%	
0.315	38%	28%	29%	35%	33%	
0.160	33%	20%	21%	24%	22%	
0.080	28%	14%	16%	17%	16%	
M.C.(%)	9%	8%	8%	9%	10%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC INDEX.:	0.0	0.0	0.0	0.0	0.0	
% GRAVEL:	35	24	16	12	17	
% SAND:	36	61	68	72	67	
% FINES:	28	14	16	17	16	
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)	SILTY SAND WITH GRAVEL (SM)	



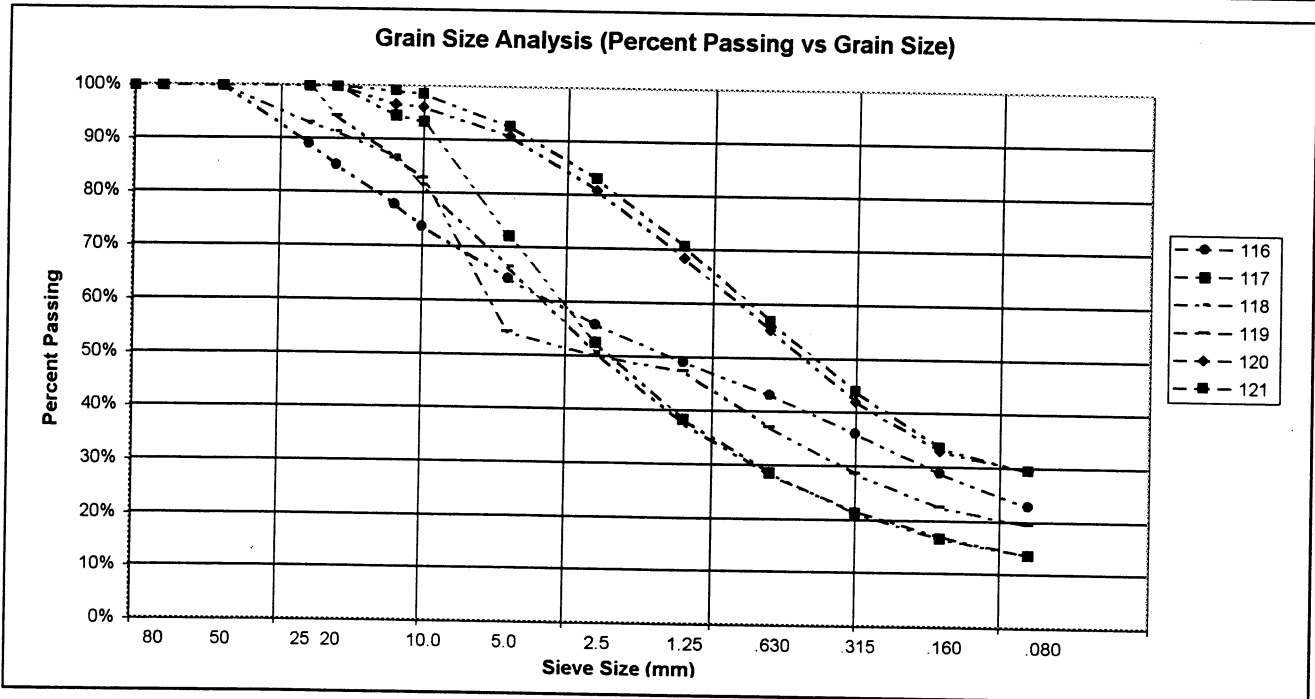


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631600-6776185
 LOGGED BY: RW

HOLE No.: 30156

DATE COMP: 07/31/2004

FIELD NO:	116	117	118	119	120	121
LAB NO:	116	117	118	119	120	121
DEPTH:	0.9-1.5	1.5-2.4	3.0-4.0	4.9-5.5	6.4-7.0	7.9-8.5
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	AUGER
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING
100.0	100%	100%	100%	100%	100%	100%
80.0	100%	100%	100%	100%	100%	100%
50.0	100%	100%	100%	100%	100%	100%
25.0	89%	100%	93%	100%	100%	100%
20.0	85%	100%	91%	94%	100%	100%
12.5	78%	95%	87%	87%	96%	99%
10.0	74%	93%	82%	83%	91%	93%
5.0	64%	72%	66%	54%	81%	83%
2.5	56%	53%	51%	50%	68%	71%
1.25	49%	38%	38%	47%	55%	57%
0.630	43%	29%	28%	37%	42%	44%
0.315	36%	21%	22%	29%	33%	34%
0.160	29%	17%	17%	23%	30%	29%
0.080	23%	14%	14%	19%	30%	29%
M.C.(%)	24%	7%	7%	7%	6%	6%
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	0.0
% GRAVEL:	36	28	34	46	9	7
% SAND:	41	58	53	35	61	63
% FINES:	23	14	14	19	30	29
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY GRAVEL WITH SAND (GM)	SILTY SAND (SM)	SILTY SAND (SM)



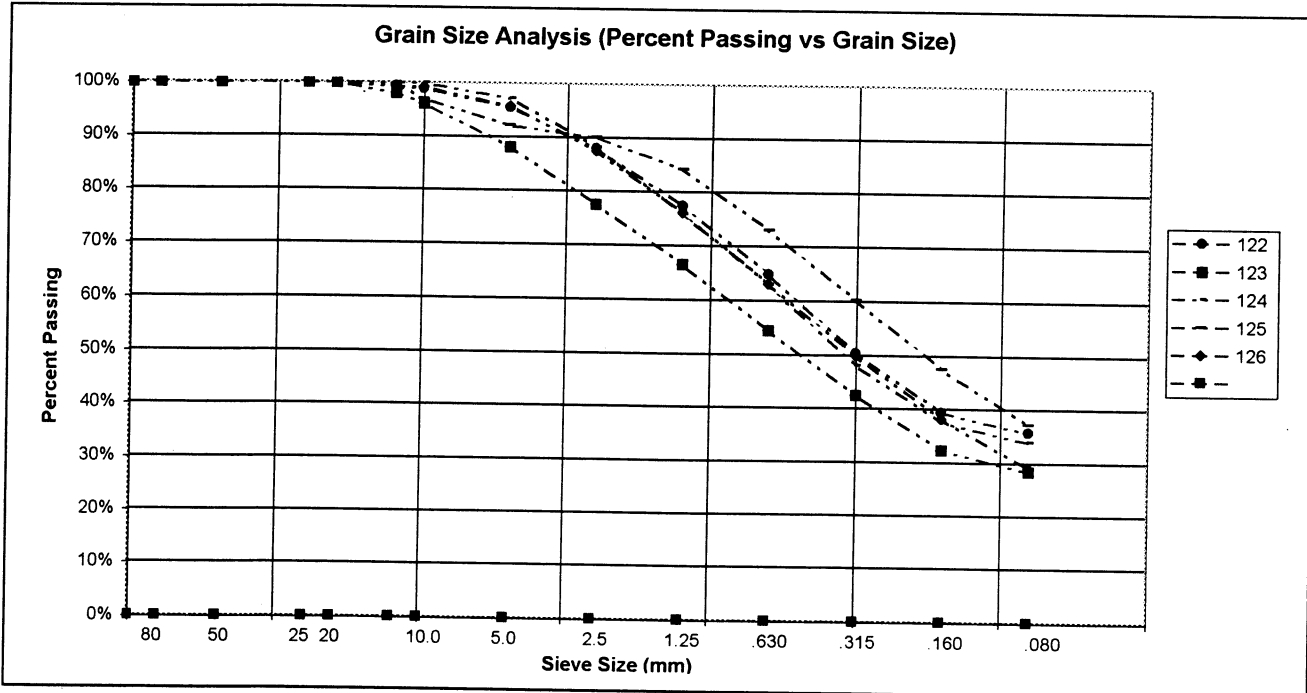


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631600-6776185
 LOGGED BY: RW

HOLE No.: 30156

DATE COMP: 07/31/2004

FIELD NO:	122	123	124	125	126	
LAB NO:	122	123	124	125	126	
DEPTH:	9.4-10.1	10.4-11.0	11.3-11.9	12.5-13.4	13.7-14.6	
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	#N/A
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%	100%	100%	
80.0	100%	100%	100%	100%	100%	
50.0	100%	100%	100%	100%	100%	
25.0	100%	100%	100%	100%	100%	
20.0	100%	100%	100%	100%	100%	
12.5	99%	98%	100%	100%	100%	
10.0	99%	96%	100%	97%	99%	
5.0	96%	88%	97%	92%	96%	
2.5	88%	78%	88%	90%	88%	
1.25	77%	67%	76%	84%	76%	
0.630	65%	55%	63%	73%	63%	
0.315	50%	43%	48%	60%	50%	
0.160	39%	32%	38%	48%	38%	
0.080	36%	29%	34%	37%	29%	
M.C.(%)	5%	4%	5%	6%	5%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	
% GRAVEL:	4	12	3	8	4	
% SAND:	60	60	63	55	67	
% FINES:	36	29	34	37	29	
CLASSIFICATION	SILTY SAND (SM)	SILTY SAND (SM)	SILTY SAND (SM)	SILTY SAND (SM)	SILTY SAND (SM)	



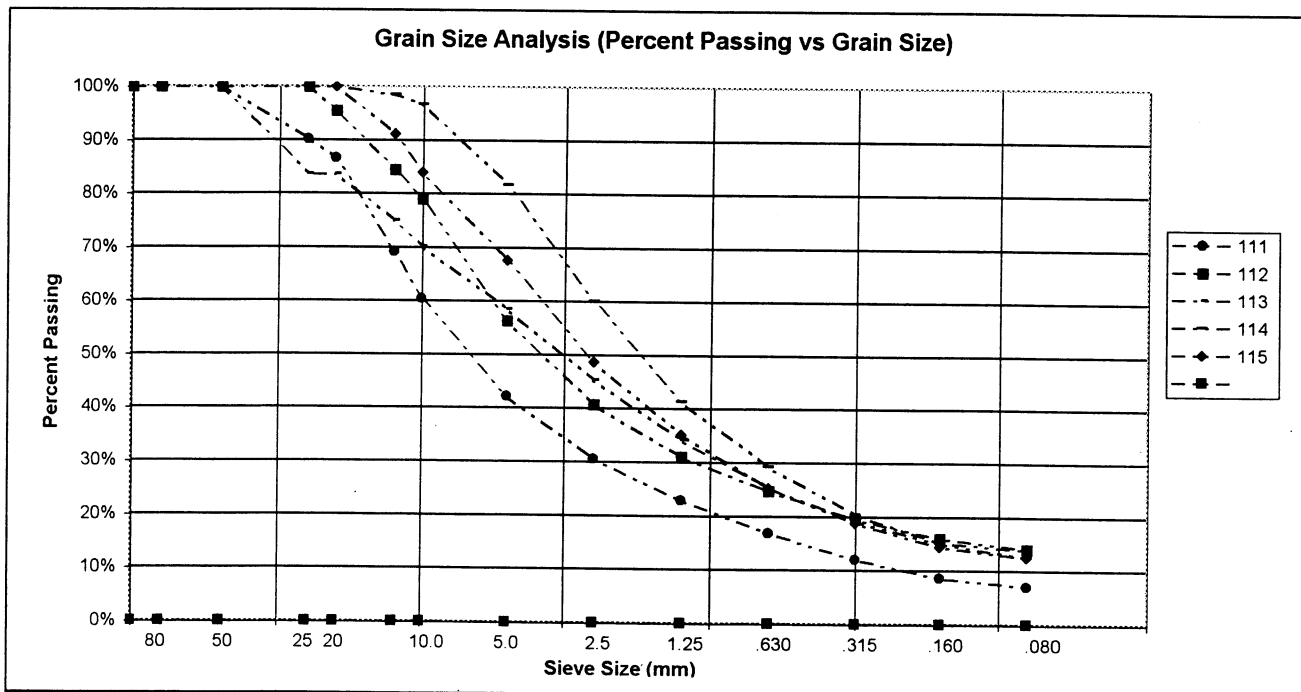


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631655-6776190
 LOGGED BY: RW

HOLE No.: 30157

DATE COMP: 07/31/2004

FIELD NO:	111	112	113	114	115	
LAB NO:	111	112	113	114	115	
DEPTH:	0.3-0.9	1.5-2.1	2.1-2.7	3.0-4.3	4.9-5.5	
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	#N/A
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%	100%	100%	
80.0	100%	100%	100%	100%	100%	
50.0	100%	100%	100%	100%	100%	
25.0	90%	100%	84%	100%	100%	
20.0	87%	96%	84%	100%	100%	
12.5	69%	85%	75%	99%	91%	
10.0	60%	79%	70%	97%	84%	
5.0	42%	56%	59%	82%	68%	
2.5	31%	41%	45%	60%	49%	
1.25	23%	31%	34%	41%	35%	
0.630	17%	25%	25%	29%	25%	
0.315	12%	20%	19%	20%	19%	
0.160	9%	16%	15%	15%	14%	
0.080	7%	14%	13%	14%	13%	
M.C.(%)	4%	6%	5%	4%	6%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC INDEX.:	0.0	0.0	0.0	0.0	0.0	
% GRAVEL:	58	44	41	18	32	
% SAND:	35	42	46	68	55	
% FINES:	7	14	13	14	13	
CLASSIFICATION	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM)	SILTY GRAVEL WITH SAND (GM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	



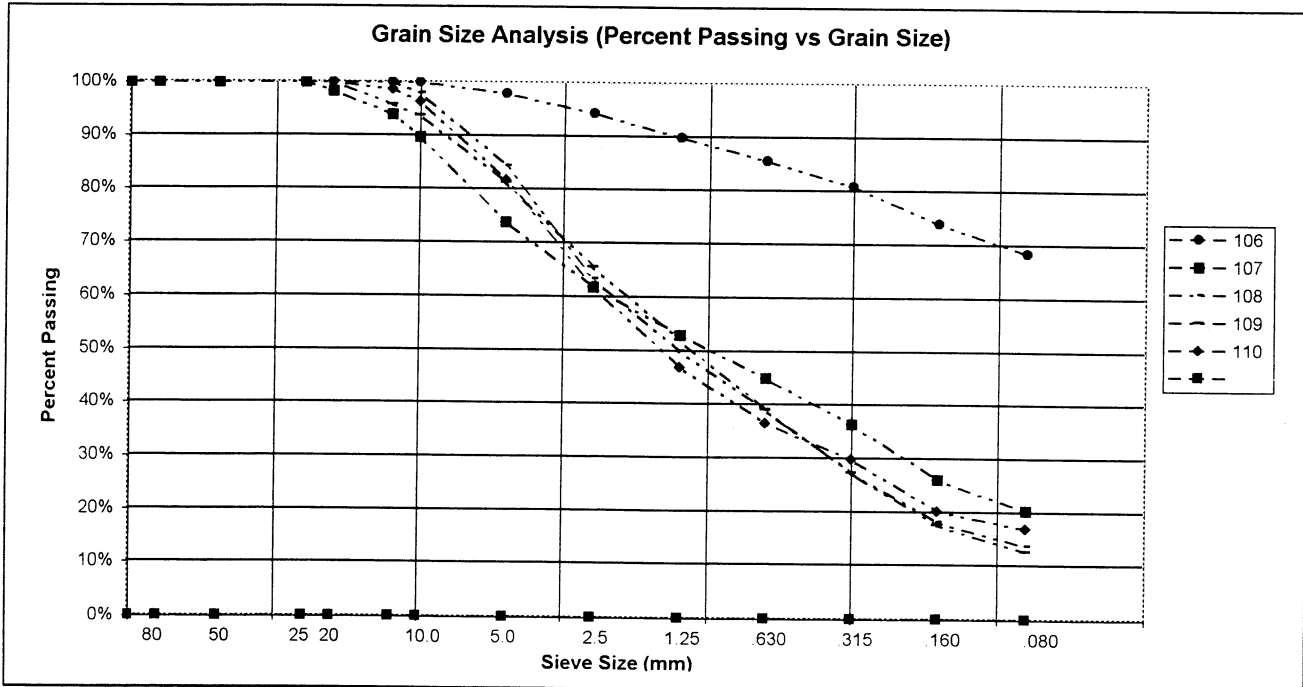


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631563-6776272
 LOGGED BY: RW

HOLE No.: 30158

DATE COMP: 07/30/2004

FIELD NO:	106	107	108	109	110	
LAB NO:	106	107	108	109	110	
DEPTH:	0.9-1.2	1.5-2.4	2.7-3.4	3.7-4.3	4.6-5.2	
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	#N/A
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%	100%	100%	
80.0	100%	100%	100%	100%	100%	
50.0	100%	100%	100%	100%	100%	
25.0	100%	100%	100%	100%	100%	
20.0	100%	98%	100%	100%	100%	
12.5	100%	94%	100%	96%	99%	
10.0	100%	94%	98%	94%	96%	
5.0	98%	74%	84%	81%	82%	
2.5	94%	62%	63%	66%	62%	
1.25	90%	53%	50%	52%	47%	
0.630	86%	45%	39%	39%	37%	
0.315	81%	36%	27%	27%	30%	
0.160	74%	26%	18%	18%	20%	
0.080	68%	20%	14%	13%	17%	
M.C.(%):	93%	11%	9%	8%	8%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	
% GRAVEL:	2	26	16	19	18	
% SAND:	30	54	71	69	65	
% FINES:	68	20	14	13	17	
CLASSIFICATION	SANDY SILT (ML)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	





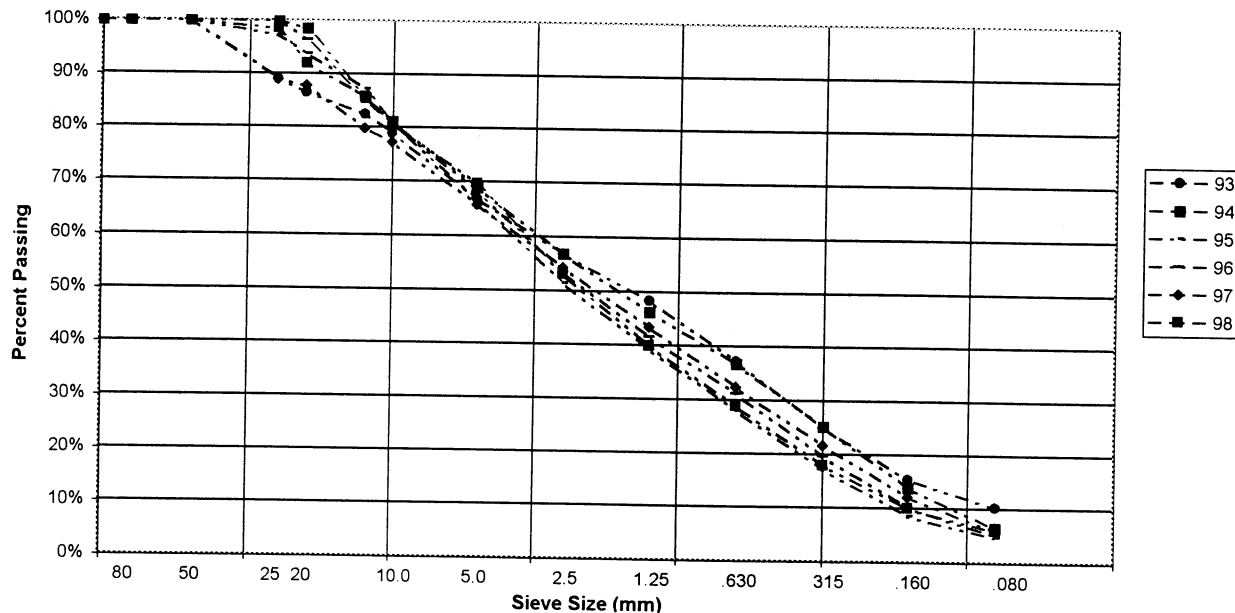
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631517-6776361
 LOGGED BY: RW

HOLE No.: 30159

DATE COMP: 07/30/2004

FIELD NO:	93	94	95	96	97	98
LAB NO:	93	94	95	96	97	98
DEPTH:	0.3-0.9	1.5-2.1	3.0-3.7	4.6-5.2	5.2-5.8	6.7-7.3
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	AUGER
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING
100.0	100%	100%	100%	100%	100%	100%
80.0	100%	100%	100%	100%	100%	100%
50.0	100%	100%	100%	100%	100%	100%
25.0	89%	100%	97%	100%	89%	99%
20.0	87%	99%	94%	96%	88%	92%
12.5	83%	86%	87%	85%	80%	86%
10.0	79%	81%	81%	81%	77%	81%
5.0	67%	69%	66%	68%	66%	70%
2.5	57%	57%	51%	53%	54%	53%
1.25	48%	46%	39%	42%	43%	40%
0.630	37%	37%	28%	31%	32%	29%
0.315	25%	25%	17%	20%	22%	18%
0.160	15%	14%	9%	10%	12%	10%
0.080	10%	6%	5%	5%	6%	6%
M.C.(%)	1%	1%	2%	4%	2%	2%
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	0.0
% GRAVEL:	33	31	34	32	34	30
% SAND:	57	62	62	63	60	64
% FINES:	10	6	5	5	6	6
CLASSIFICATION	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	WELL-GRADED SAND WITH GRAVEL (SW)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)

Grain Size Analysis (Percent Passing vs Grain Size)





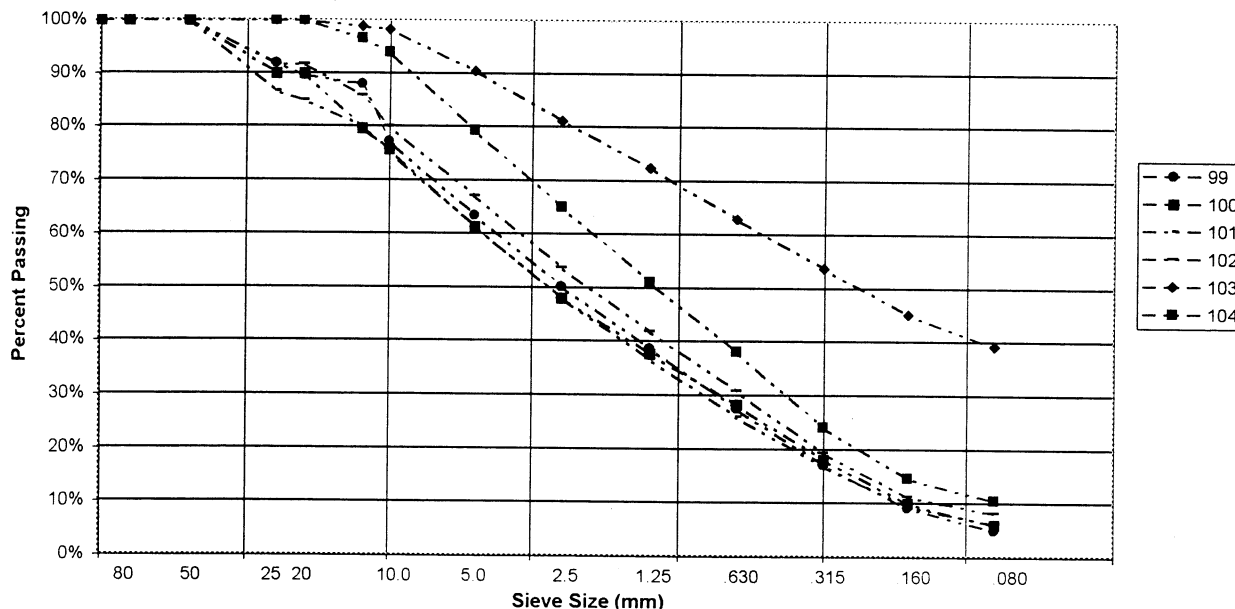
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631517-6776361
 LOGGED BY: RW

HOLE No.: 30159

DATE COMP: 07/30/2004

FIELD NO:	99	100	101	102	103	104
LAB NO:	99	100	101	102	103	104
DEPTH:	7.9-8.5	9.4-10.1	10.4-11.0	11.3-11.9	12.8-13.4	13.7-14.0
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	AUGER
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING
100.0	100%	100%	100%	100%	100%	100%
80.0	100%	100%	100%	100%	100%	100%
50.0	100%	100%	100%	100%	100%	100%
25.0	92%	90%	87%	92%	100%	100%
20.0	90%	90%	85%	92%	100%	100%
12.5	88%	80%	80%	86%	99%	97%
10.0	77%	76%	75%	80%	98%	94%
5.0	64%	61%	61%	67%	90%	79%
2.5	50%	48%	48%	54%	81%	65%
1.25	39%	38%	37%	42%	72%	51%
0.630	28%	28%	26%	31%	63%	38%
0.315	17%	18%	17%	19%	54%	24%
0.160	9%	10%	10%	11%	45%	15%
0.080	5%	6%	6%	8%	39%	11%
M.C.(%)	2%	2%	2%	2%	7%	3%
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	0.0
% GRAVEL:	36	39	39	33	10	21
% SAND:	59	55	55	59	51	69
% FINES:	5	6	6	8	39	11
CLASSIFICATION	WELL-GRADED SAND WITH GRAVEL (SW)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILTY SAND (SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)

Grain Size Analysis (Percent Passing vs Grain Size)





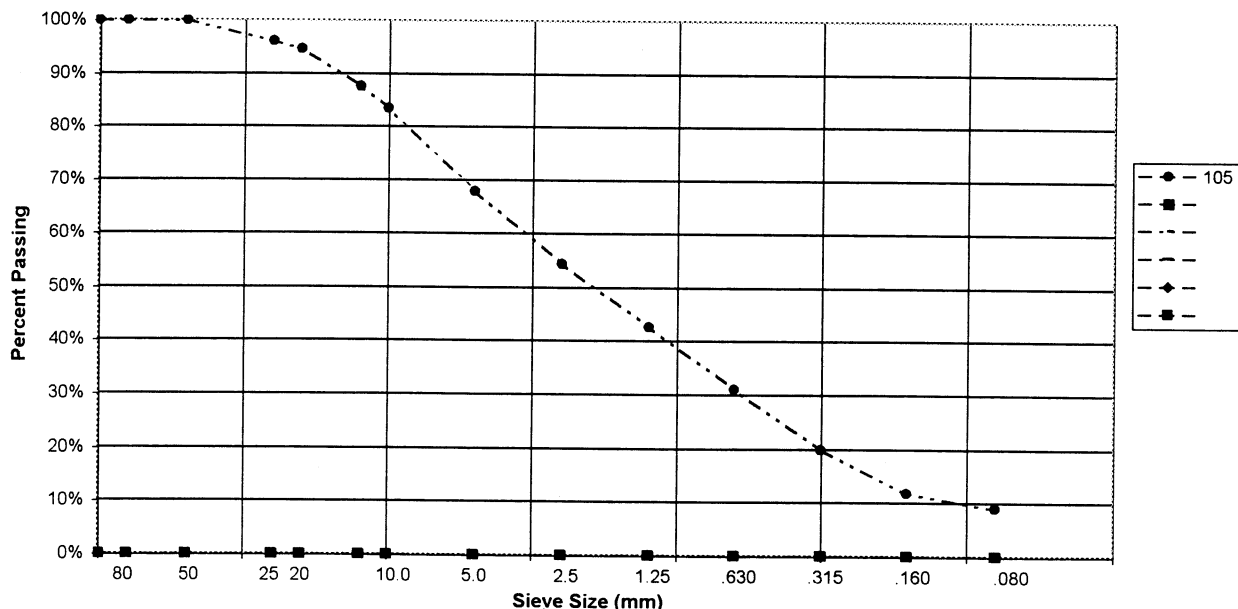
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631517-6776361
 LOGGED BY: RW

HOLE No.: 30159

DATE COMP: 07/30/2004

FIELD NO:	105				
LAB NO:	105				
DEPTH:	14.3-14.9				
TYPE:	AUGER				
SIEVE SIZE	PERCENT PASSING				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	96%				
20.0	95%				
12.5	88%				
10.0	83%				
5.0	68%				
2.5	54%				
1.25	43%				
0.630	31%				
0.315	20%				
0.160	12%				
0.080	9%				
M.C.(%):	3%				
LIQUID LIMIT:	0.0				
PLASTIC LIMIT:	0.0				
PLASTIC INDEX:	0.0				
% GRAVEL:	32				
% SAND:	59				
% FINES:	9				
CLASSIFICATION	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)				

Grain Size Analysis (Percent Passing vs Grain Size)



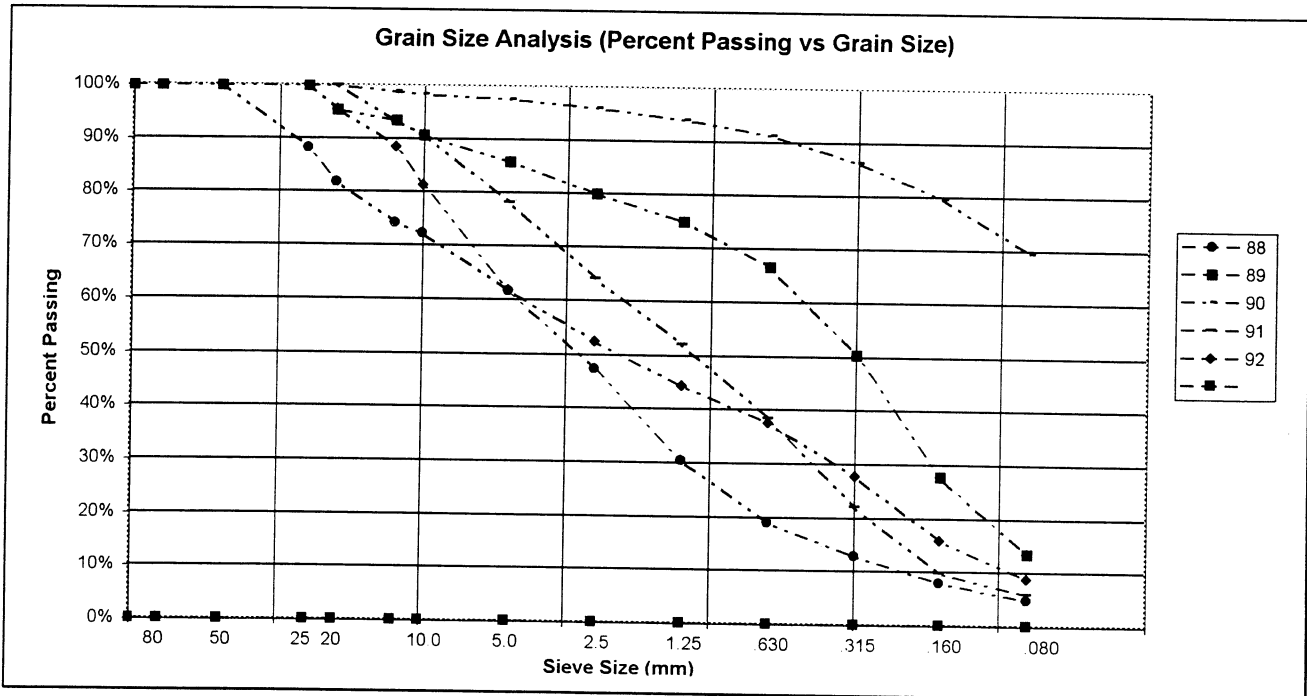


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631499-6776506
 LOGGED BY: RW

HOLE No.: 30160

DATE COMP: 07/29/2004

FIELD NO:	88	89	90	91	92	
LAB NO:	88	89	90	91	92	
DEPTH:	0.3-0.9	1.8-2.1	2.4-2.9	3.4-4.0	4.9-5.5	
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	#N/A
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%	100%	100%	
80.0	100%	100%	100%	100%	100%	
50.0	100%	100%	100%	100%	100%	
25.0	88%	100%	100%	100%	100%	
20.0	82%	95%	100%	100%	96%	
12.5	74%	94%	99%	93%	88%	
10.0	72%	91%	98%	91%	81%	
5.0	62%	86%	98%	78%	62%	
2.5	47%	80%	96%	64%	53%	
1.25	30%	75%	94%	52%	44%	
0.630	19%	67%	91%	38%	38%	
0.315	13%	50%	86%	22%	28%	
0.160	8%	28%	80%	10%	16%	
0.080	5%	14%	70%	6%	9%	
M.C.(%)	3%	17%	61%	11%	11%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	
% GRAVEL:	38	14	2	22	38	
% SAND:	57	72	28	72	53	
% FINES:	5	14	70	6	9	
CLASSIFICATION	WELL-GRADED SAND WITH GRAVEL (SW)	SILTY SAND (SM)	SANDY SILT (ML)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	





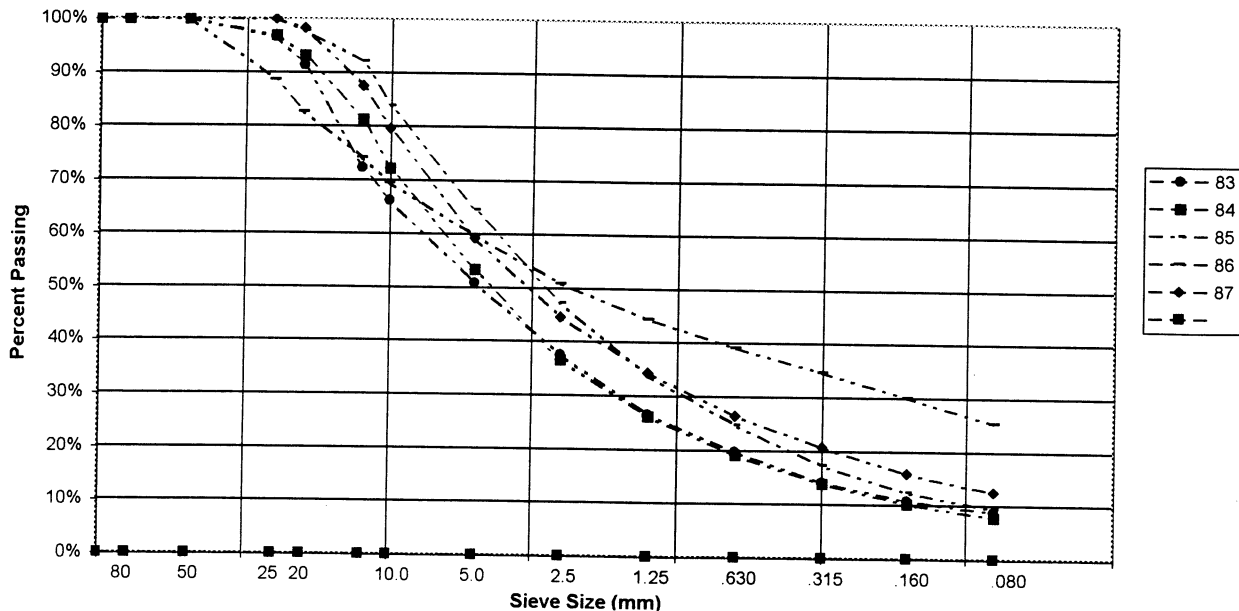
PROJECT NUMBER: 8002-318
CLIENT: YTG, Transportation & Engineering
PROJECT NAME: Geotechnical Services
PROJECT LOCATION: Km 1691.7-1717.3
DRILL UNIT: CME75
HOLE LOCATION: 631513-6776711
LOGGED BY: RW

HOLE No.: 30161

DATE COMP: 07/29/2004

FIELD NO:	83	84	85	86	87	
LAB NO:	83	84	85	86	87	
DEPTH:	0.3-0.9	1.5-2.1	3.0-3.7	4.0-4.3	4.9-5.5	
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	#N/A
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%	100%	100%	
80.0	100%	100%	100%	100%	100%	
50.0	100%	100%	100%	100%	100%	
25.0	97%	97%	100%	89%	100%	
20.0	91%	93%	98%	83%	98%	
12.5	72%	81%	92%	74%	88%	
10.0	66%	72%	84%	70%	80%	
5.0	51%	53%	65%	60%	59%	
2.5	38%	37%	47%	51%	45%	
1.25	27%	26%	34%	44%	34%	
0.630	20%	19%	25%	39%	26%	
0.315	14%	14%	17%	35%	21%	
0.160	11%	10%	12%	30%	16%	
0.080	9%	8%	9%	25%	13%	
M.C.(%)	5%	5%	4%	12%	6%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	
% GRAVEL:	49	47	35	40	41	
% SAND:	42	45	55	34	47	
% FINES:	9	8	9	25	13	
CLASSIFICATION	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILTY GRAVEL WITH SAND (GM)	SILTY SAND WITH GRAVEL (SM)	

Grain Size Analysis (Percent Passing vs Grain Size)



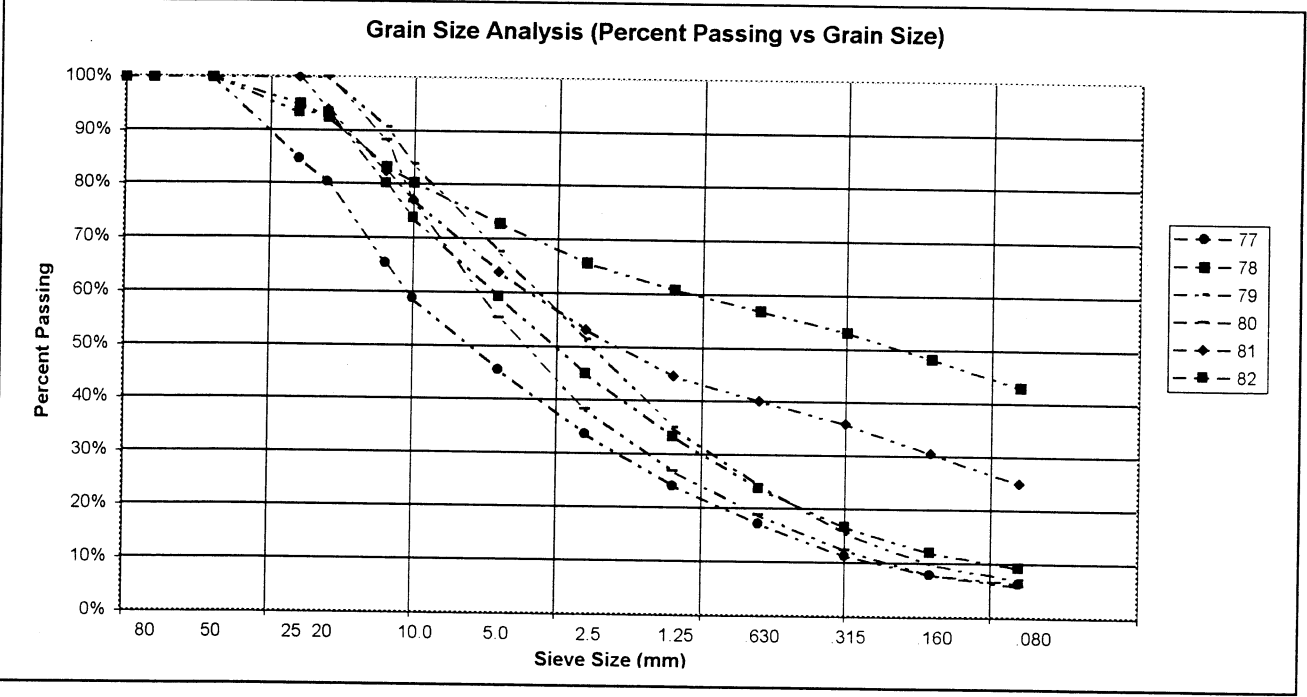


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631538-6776914
 LOGGED BY: RW

HOLE No.: 30162

DATE COMP: 07/29/2004

FIELD NO:	77	78	79	80	81	82
LAB NO:	77	78	79	80	81	82
DEPTH:	0.3-0.6	1.5-2.1	2.4-2.7	3.0-4.0	4.6-5.2	5.2-5.8
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	AUGER
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING
100.0	100%	100%	100%	100%	100%	100%
80.0	100%	100%	100%	100%	100%	100%
50.0	100%	100%	100%	100%	100%	100%
25.0	85%	95%	100%	100%	100%	93%
20.0	80%	93%	100%	100%	94%	93%
12.5	65%	83%	91%	88%	82%	80%
10.0	59%	80%	84%	77%	77%	74%
5.0	46%	73%	68%	55%	64%	59%
2.5	34%	66%	51%	38%	53%	45%
1.25	24%	61%	35%	27%	45%	33%
0.630	17%	57%	24%	19%	40%	24%
0.315	11%	53%	16%	12%	36%	17%
0.160	8%	48%	10%	8%	31%	12%
0.080	6%	43%	7%	6%	25%	9%
M.C.(%)	3%	18%	5%	4%	10%	4%
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	0.0
% GRAVEL:	54	27	32	45	36	41
% SAND:	39	30	60	49	39	50
% FINES:	6	43	7	6	25	9
CLASSIFICATION	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM)	SILTY SAND WITH GRAVEL (SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILTY SAND WITH GRAVEL (SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)



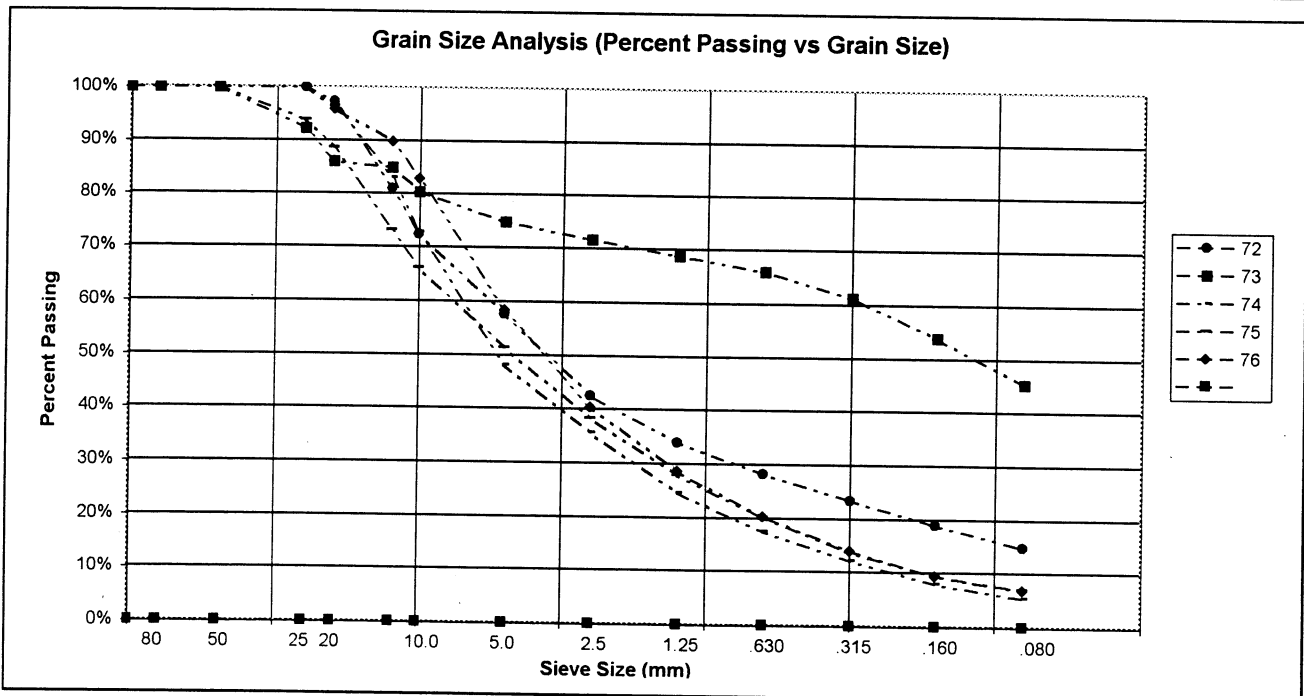


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631563-6776900
 LOGGED BY: RW

HOLE No.: 30163

DATE COMP: 07/29/2004

FIELD NO:	72	73	74	75	76	
LAB NO:	72	73	74	75	76	
DEPTH:	0.3-0.9	1.5-2.1	2.1-2.7	3.4-4.3	5.2-5.6	
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	#N/A
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%	100%	100%	
80.0	100%	100%	100%	100%	100%	
50.0	100%	100%	100%	100%	100%	
25.0	100%	92%	100%	94%	100%	
20.0	97%	86%	97%	89%	96%	
12.5	81%	85%	83%	73%	90%	
10.0	72%	80%	73%	66%	83%	
5.0	58%	75%	48%	51%	58%	
2.5	43%	72%	36%	38%	40%	
1.25	34%	69%	25%	28%	29%	
0.630	28%	66%	17%	20%	20%	
0.315	24%	61%	12%	14%	14%	
0.160	19%	54%	8%	9%	9%	
0.080	15%	45%	5%	7%	7%	
M.C.(%)	6%	24%	4%	4%	7%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC INDEX.:	0.0	0.0	0.0	0.0	0.0	
% GRAVEL:	42	25	52	49	42	
% SAND:	43	29	43	44	52	
% FINES:	15	45	5	7	7	
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM)	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	



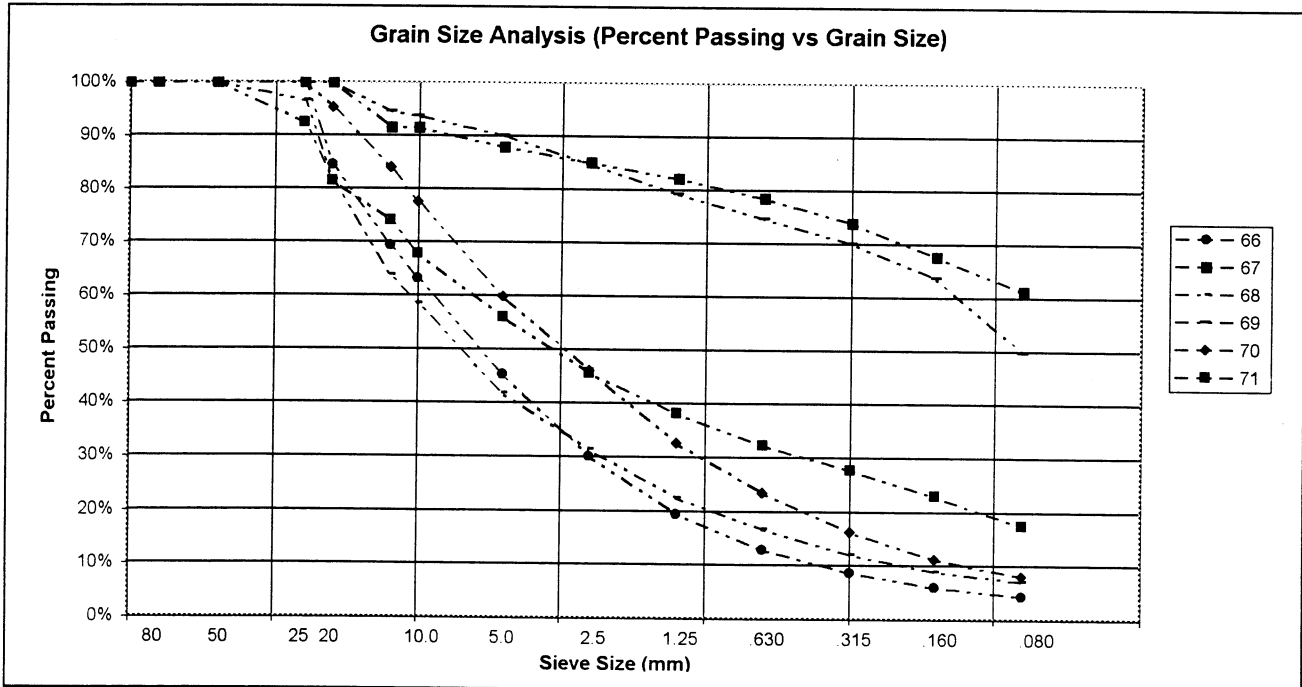


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631580-6777031
 LOGGED BY: RW

HOLE No.: 30164

DATE COMP: 07/29/2004

FIELD NO:	66	67	68	69	70	71
LAB NO:	66	67	68	69	70	71
DEPTH:	0.2-0.6	0.8-1.2	1.5-2.1	2.4-2.7	3.4-4.0	4.6-5.5
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	AUGER
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING
100.0	100%	100%	100%	100%	100%	100%
80.0	100%	100%	100%	100%	100%	100%
50.0	100%	100%	100%	100%	100%	100%
25.0	100%	100%	97%	100%	100%	92%
20.0	85%	100%	82%	100%	95%	81%
12.5	69%	91%	64%	95%	84%	74%
10.0	63%	91%	59%	94%	78%	68%
5.0	45%	88%	42%	90%	60%	56%
2.5	30%	85%	31%	85%	46%	46%
1.25	19%	82%	22%	79%	33%	38%
0.630	13%	79%	17%	75%	24%	32%
0.315	9%	74%	12%	70%	16%	28%
0.160	6%	68%	9%	64%	11%	23%
0.080	4%	61%	7%	50%	8%	18%
M.C.(%)	3%	43%	3%	19%	3%	9%
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	0.0
% GRAVEL:	55	12	58	10	40	44
% SAND:	41	27	35	40	52	38
% FINES:	4	61	7	50	8	18
CLASSIFICATION	WELL-GRADED GRAVEL WITH SAND (GW)	SANDY SILT (ML)	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM)	SILTY SAND (SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILTY GRAVEL WITH SAND (GM)



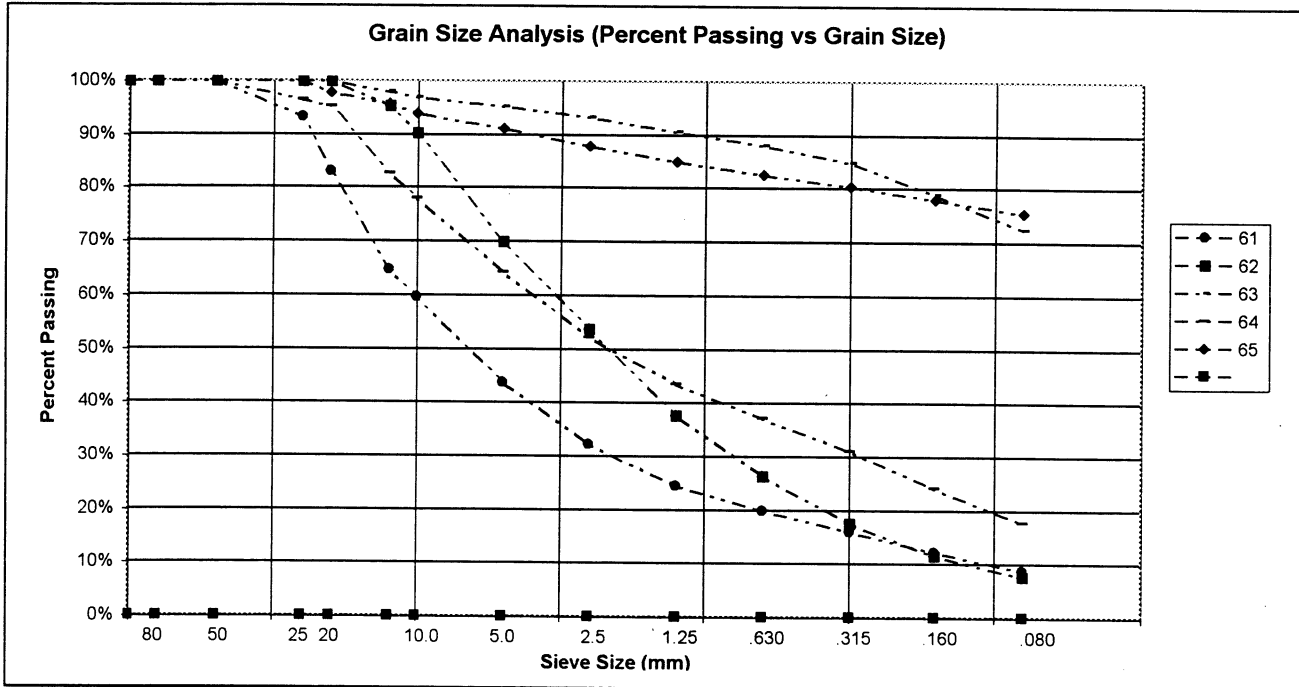


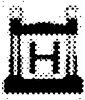
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631607-6777126
 LOGGED BY: RW

HOLE No.: 30165

DATE COMP: 07/29/2004

FIELD NO:	61	62	63	64	65	
LAB NO:	61	62	63	64	65	
DEPTH:	0.3-0.9	1.5-2.1	3.4-4.0	4.1-4.4	4.9-5.5	
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	#N/A
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%	100%	100%	
80.0	100%	100%	100%	100%	100%	
50.0	100%	100%	100%	100%	100%	
25.0	93%	100%	100%	97%	100%	
20.0	83%	100%	100%	95%	98%	
12.5	65%	95%	98%	83%	96%	
10.0	60%	90%	97%	78%	94%	
5.0	44%	70%	95%	64%	91%	
2.5	32%	54%	93%	52%	88%	
1.25	25%	38%	91%	43%	85%	
0.630	20%	26%	88%	37%	83%	
0.315	16%	18%	85%	31%	80%	
0.160	12%	12%	79%	24%	78%	
0.080	9%	8%	72%	18%	75%	
M.C.(%)	3%	2%	13%	5%	20%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC INDEX.:	0.0	0.0	0.0	0.0	0.0	
% GRAVEL:	56	30	5	36	9	
% SAND:	35	62	23	47	16	
% FINES:	9	8	72	18	75	
CLASSIFICATION	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILT WITH SAND (ML)	SILTY SAND WITH GRAVEL (SM)	SILT WITH SAND (ML)	



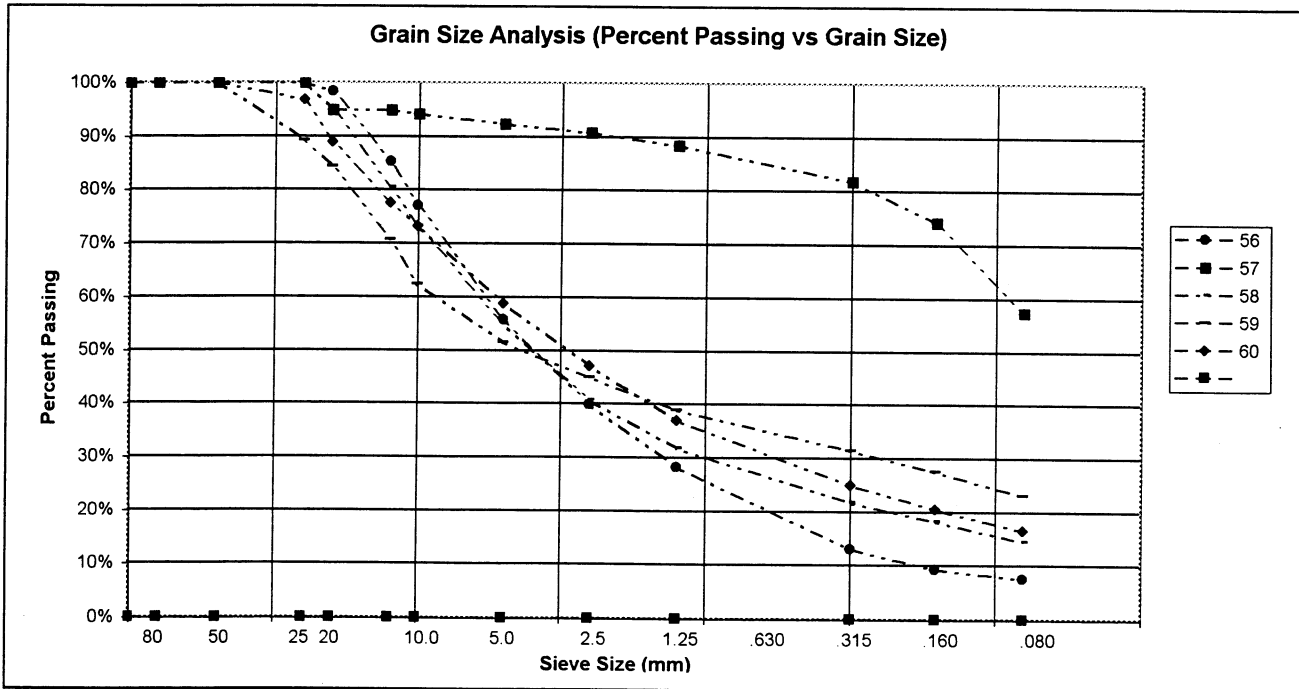


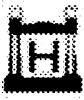
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631583-6777139
 LOGGED BY: RW

HOLE No.: 30166

DATE COMP: 07/28/2004

FIELD NO:	56	57	58	59	60	
LAB NO:	56	57	58	59	60	
DEPTH:	0.3-0.9	1.5-1.8	2.1-2.7	3.4-4.0	4.9-5.5	
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	#N/A
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%	100%	100%	
80.0	100%	100%	100%	100%	100%	
50.0	100%	100%	100%	100%	100%	
25.0	100%	100%	100%	89%	97%	
20.0	98%	95%	95%	84%	89%	
12.5	85%	95%	81%	71%	78%	
10.0	77%	94%	73%	62%	73%	
5.0	56%	92%	55%	51%	59%	
2.5	40%	91%	41%	45%	47%	
1.25	28%	89%	32%	39%	37%	
0.630				35%	30%	
0.315	13%	82%	22%	31%	25%	
0.160	9%	74%	18%	28%	21%	
0.080	8%	57%	15%	23%	17%	
M.C.(%):	3%	24%	5%	10%	7%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC INDEX.:	0.0	0.0	0.0	0.0	0.0	
% GRAVEL:	44	8	45	49	41	
% SAND:	48	35	40	28	42	
% FINES:	8	57	15	23	17	
CLASSIFICATION	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SANDY SILT (ML)	SILTY GRAVEL WITH SAND (GM)	SILTY GRAVEL WITH SAND (GM)	SILTY SAND WITH GRAVEL (SM)	





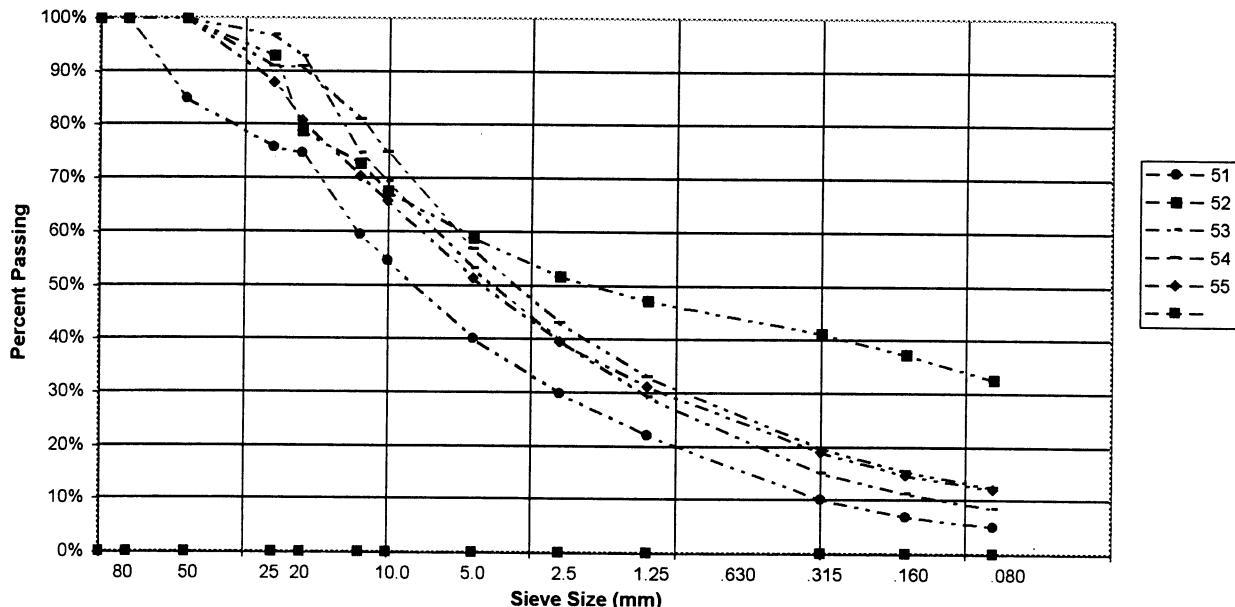
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631589-6777298
 LOGGED BY: RW

HOLE No.: 30167

DATE COMP: 07/28/2004

FIELD NO:	51	52	53	54	55	
LAB NO:	51	52	53	54	55	
DEPTH:	0.6-1.2	1.5-2.1	2.3-2.7	3.4-4.3	4.9-5.5	
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	#N/A
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%	100%	100%	
80.0	100%	100%	100%	100%	100%	
50.0	85%	100%	100%	100%	100%	
25.0	76%	93%	97%	91%	88%	
20.0	75%	79%	93%	91%	81%	
12.5	60%	73%	75%	81%	70%	
10.0	55%	68%	69%	75%	66%	
5.0	40%	59%	53%	57%	51%	
2.5	30%	52%	40%	43%	40%	
1.25	22%	47%	29%	33%	31%	
0.630						
0.315	10%	41%	15%	20%	19%	
0.160	7%	37%	11%	15%	15%	
0.080	5%	33%	8%	12%	12%	
M.C.(%)	3%	15%	4%	6%	5%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	
% GRAVEL:	60	41	47	43	49	
% SAND:	35	26	45	44	39	
% FINES:	5	33	8	12	12	
CLASSIFICATION	WELL-GRADED GRAVEL WITH SILT & SAND (GW-GM)	SILTY GRAVEL WITH SAND (GM)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	SILTY SAND WITH GRAVEL (SM)	SILTY GRAVEL WITH SAND (GM)	

Grain Size Analysis (Percent Passing vs Grain Size)



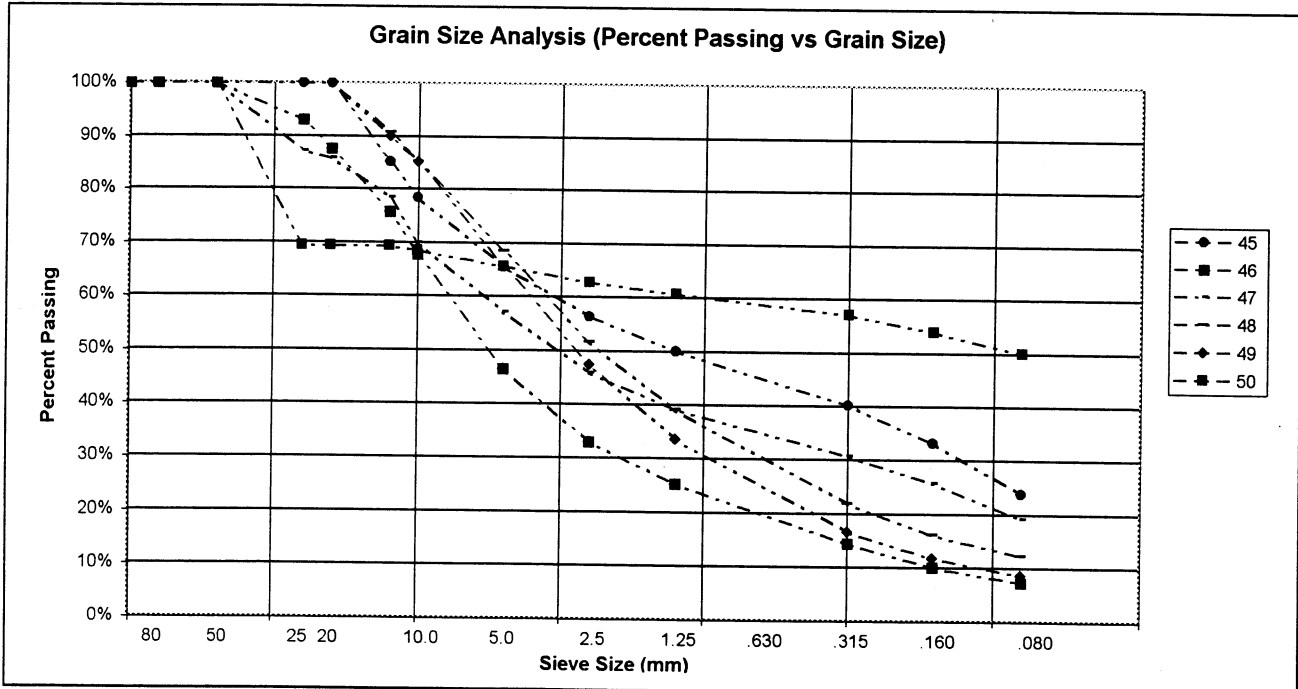


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631509-6777587
 LOGGED BY: RW

HOLE No.: 30168

DATE COMP: 07/28/2004

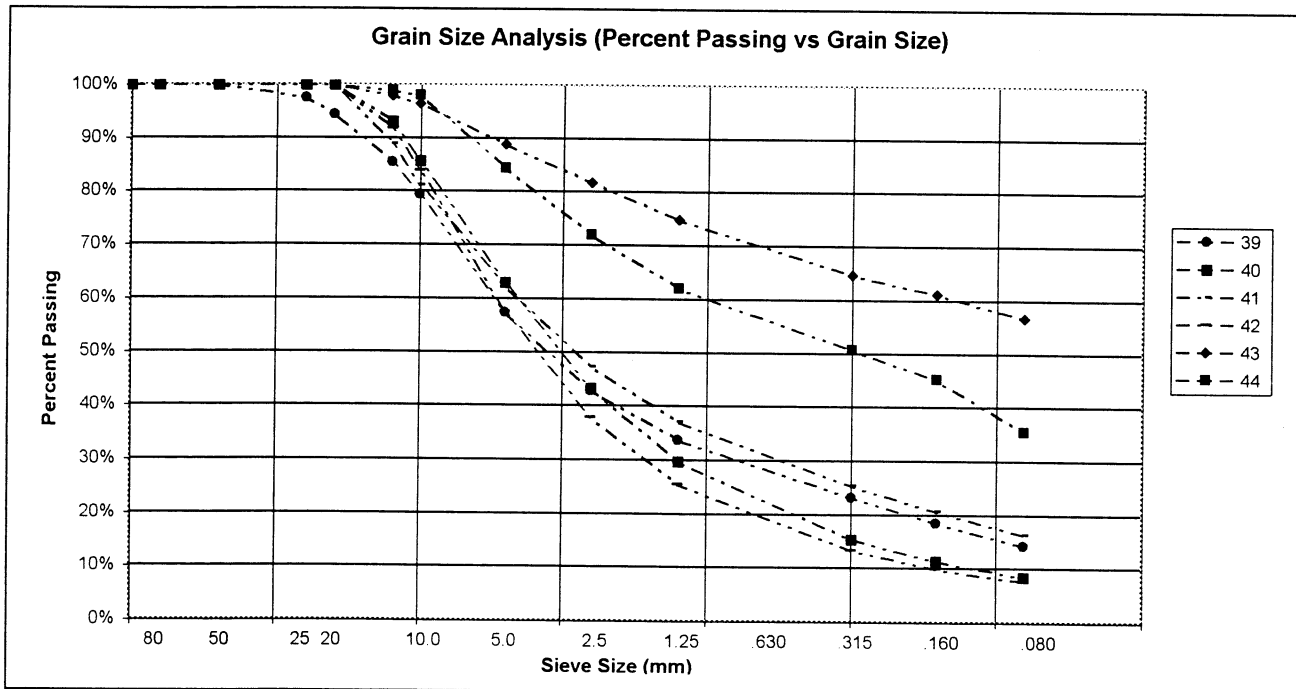
FIELD NO:	45	46	47	48	49	50
LAB NO:	45	46	47	48	49	50
DEPTH:	0.2-0.6	0.6-1.2	1.8-2.1	3.4-4.3	4.6-5.2	5.5-5.8
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	AUGER
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING
100.0	100%	100%	100%	100%	100%	100%
80.0	100%	100%	100%	100%	100%	100%
50.0	100%	100%	100%	100%	100%	100%
25.0	100%	93%	87%	100%	100%	69%
20.0	100%	88%	86%	100%	100%	69%
12.5	85%	76%	79%	91%	90%	69%
10.0	79%	68%	70%	85%	85%	69%
5.0	66%	46%	57%	69%	66%	66%
2.5	56%	33%	46%	52%	48%	63%
1.25	50%	25%	39%	39%	34%	61%
0.630						
0.315	40%	14%	31%	22%	17%	57%
0.160	33%	10%	26%	16%	12%	54%
0.080	24%	7%	19%	12%	9%	50%
M.C.(%):	6%	4%	8%	5%	3%	23%
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	0.0
% GRAVEL:	34	54	43	31	34	34
% SAND:	42	39	38	56	57	16
% FINES:	24	7	19	12	9	50
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	POORLY GRADED GRAVELLY SAND WITH SILT & SAND (GP-GM)	SILTY GRAVEL WITH SAND (GM)	SILTY SAND WITH GRAVEL (SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	GRAVELLY SILT WITH SAND (ML)





PROJECT NUMBER: 8002-318 HOLE No.: 30169
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631458-6777708
 LOGGED BY: RW DATE COMP: 07/28/2004

FIELD NO:	39	40	41	42	43	44
LAB NO:	39	40	41	42	43	44
DEPTH:	0.3-0.9	1.5-2.1	2.1-2.7	3.4-4.0	4.3-4.9	4.9-5.5
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	AUGER
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING
100.0	100%	100%	100%	100%	100%	100%
80.0	100%	100%	100%	100%	100%	100%
50.0	100%	100%	100%	100%	100%	100%
25.0	98%	100%	100%	100%	100%	100%
20.0	94%	100%	100%	100%	100%	100%
12.5	85%	93%	89%	92%	98%	99%
10.0	79%	86%	81%	84%	96%	98%
5.0	57%	63%	63%	58%	89%	84%
2.5	43%	43%	47%	38%	82%	72%
1.25	34%	30%	37%	26%	75%	62%
0.630						
0.315	23%	15%	25%	13%	65%	51%
0.160	19%	11%	21%	10%	61%	45%
0.080	14%	9%	16%	8%	57%	35%
M.C.(%)	8%	6%	9%	6%	21%	13%
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC INDEX.:	0.0	0.0	0.0	0.0	0.0	0.0
% GRAVEL:	43	37	37	42	11	16
% SAND:	43	54	46	50	32	49
% FINES:	14	9	16	8	57	35
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILTY SAND WITH GRAVEL (SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SANDY SILT (ML)	SILTY SAND WITH GRAVEL (SM)



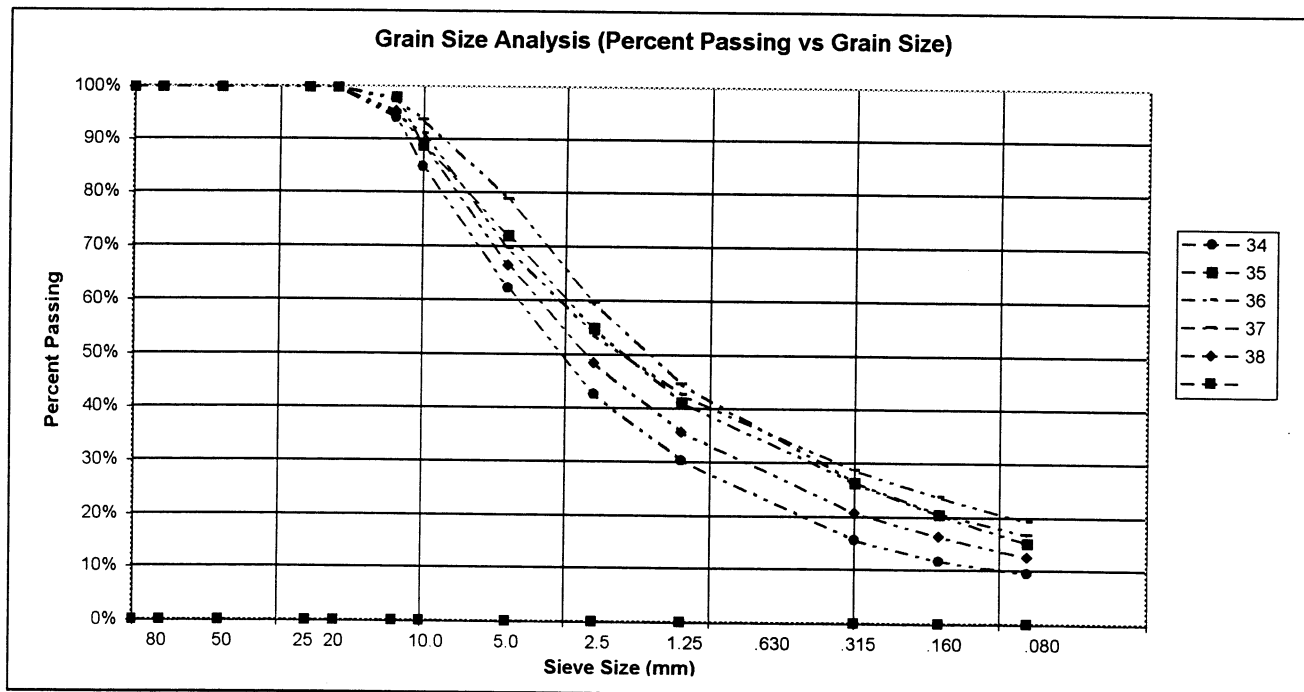


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631414-6777845
 LOGGED BY: RW

HOLE No.: 30170

DATE COMP: 07/28/2004

FIELD NO:	34	35	36	37	38	
LAB NO:	34	35	36	37	38	
DEPTH:	0.3-0.9	1.5-2.1	2.9-3.4	3.7-4.3	4.9-5.5	
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	#N/A
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%	100%	100%	
80.0	100%	100%	100%	100%	100%	
50.0	100%	100%	100%	100%	100%	
25.0	100%	100%	100%	100%	100%	
20.0	100%	100%	100%	100%	100%	
12.5	94%	98%	95%	98%	95%	
10.0	85%	89%	91%	94%	89%	
5.0	62%	72%	70%	79%	66%	
2.5	43%	55%	54%	60%	48%	
1.25	30%	41%	43%	45%	36%	
0.630						
0.315	16%	26%	29%	26%	21%	
0.160	12%	21%	24%	21%	16%	
0.080	10%	15%	19%	17%	13%	
M.C.(%)	9%	10%	11%	10%	8%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC INDEX.:	0.0	0.0	0.0	0.0	0.0	
% GRAVEL:	38	28	30	21	34	
% SAND:	53	57	50	62	54	
% FINES:	10	15	19	17	13	
CLASSIFICATION	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	





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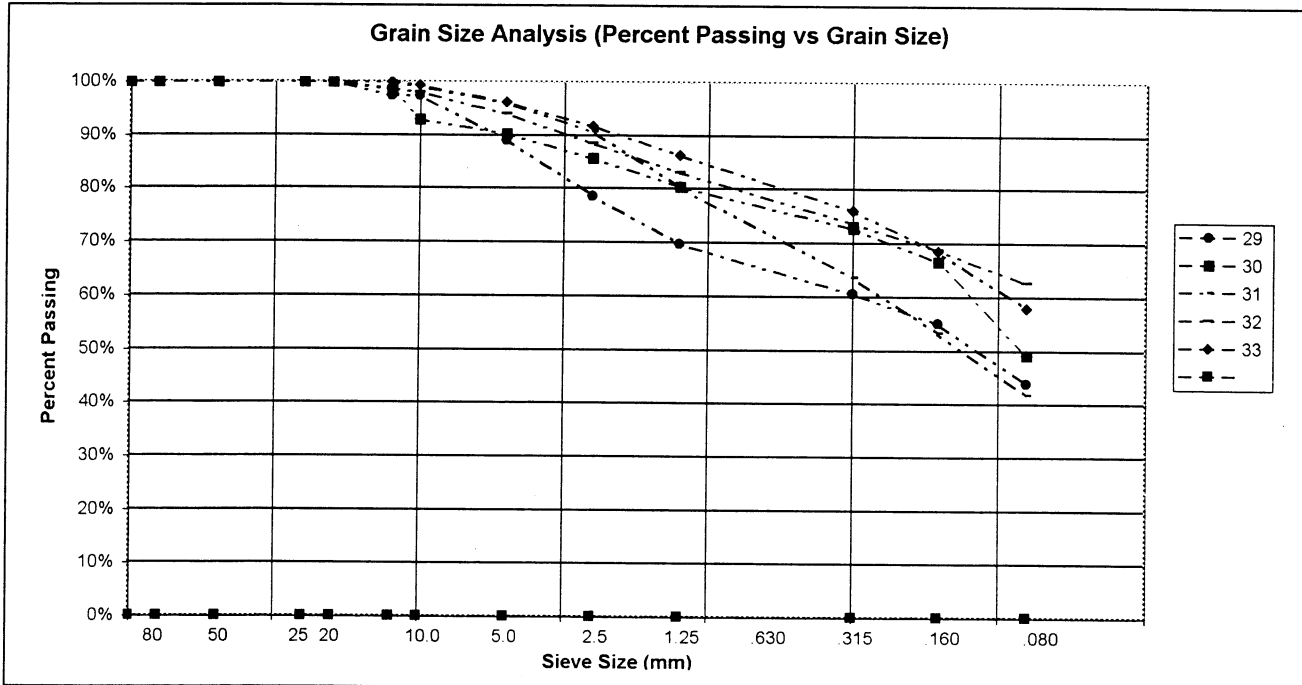


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631414-6777998
 LOGGED BY: RW

HOLE No.: 30171

DATE COMP: 07/28/2004

FIELD NO:	29	30	31	32	33	
LAB NO:	29	30	31	32	33	
DEPTH:	0.2-0.5	0.6-1.2	1.8-2.4	3.0-3.7	4.6	
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	#N/A
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%	100%	100%	
80.0	100%	100%	100%	100%	100%	
50.0	100%	100%	100%	100%	100%	
25.0	100%	100%	100%	100%	100%	
20.0	100%	100%	100%	100%	100%	
12.5	97%	99%	100%	99%	100%	
10.0	97%	93%	99%	98%	99%	
5.0	89%	90%	96%	94%	96%	
2.5	79%	86%	91%	88%	92%	
1.25	70%	80%	80%	83%	86%	
0.630						
0.315	61%	73%	64%	74%	76%	
0.160	55%	67%	53%	69%	69%	
0.080	44%	49%	42%	63%	58%	
M.C.(%)	18%	28%	35%	31%	28%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC INDEX.:	0.0	0.0	0.0	0.0	0.0	
% GRAVEL:	11	10	4	6	4	
% SAND:	45	41	54	31	38	
% FINES:	44	49	42	63	58	
CLASSIFICATION	SILTY SAND (SM)	SILTY SAND (SM)	SILTY SAND (SM)	SANDY SILT (ML)	SANDY SILT (ML)	





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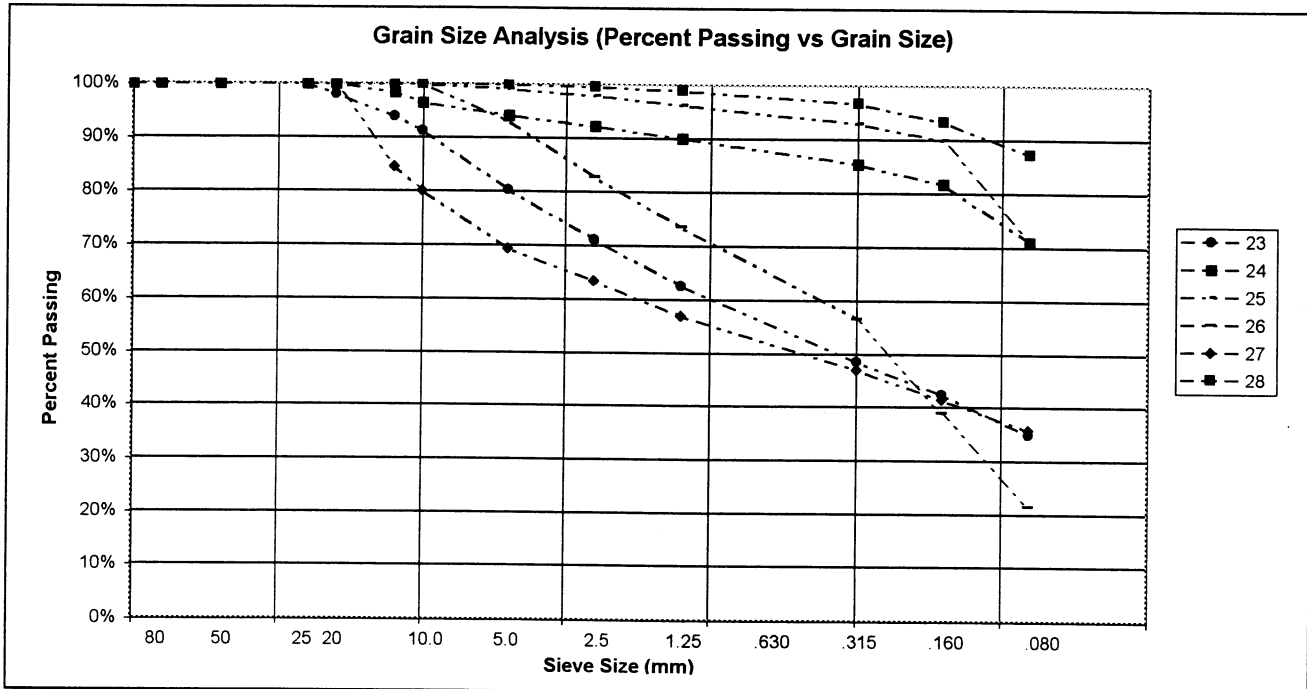


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631432-6778136
 LOGGED BY: RW

HOLE No.: 30172

DATE COMP: 07/28/2004

FIELD NO:	23	24	25	26	27	28
LAB NO:	23	24	25	26	27	28
DEPTH:	0.3-0.9	1.5-1.8	2.1-2.7	3.4-4.3	4.9-5.2	5.5-5.9
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	AUGER
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING
100.0	100%	100%	100%	100%	100%	100%
80.0	100%	100%	100%	100%	100%	100%
50.0	100%	100%	100%	100%	100%	100%
25.0	100%	100%	100%	100%	100%	100%
20.0	98%	100%	100%	100%	100%	100%
12.5	94%	98%	100%	100%	85%	100%
10.0	91%	96%	100%	100%	80%	100%
5.0	80%	94%	99%	93%	69%	100%
2.5	71%	92%	98%	83%	63%	100%
1.25	63%	90%	96%	74%	57%	99%
0.630						
0.315	49%	85%	93%	57%	47%	97%
0.160	42%	82%	90%	39%	41%	93%
0.080	35%	71%	71%	22%	36%	87%
M.C.(%):	15%	17%	16%	11%	8%	19%
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	0.0
% GRAVEL:	20	6	1	7	31	0
% SAND:	45	23	28	72	34	13
% FINES:	35	71	71	22	36	87
CLASSIFICATION	SILTY SAND WITH GRAVEL (SM)	SILT WITH SAND (ML)	SILT WITH SAND (ML)	SILTY SAND (SM)	SILTY SAND WITH GRAVEL (SM)	SILT (ML)



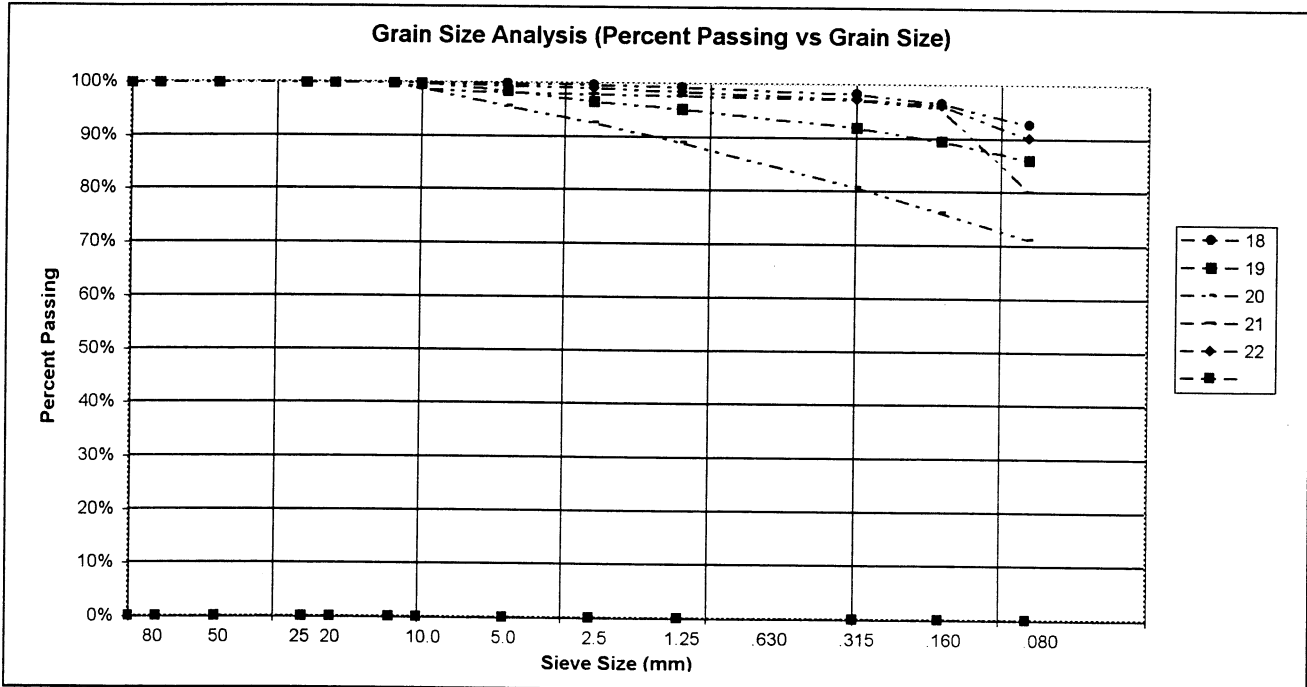


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631425-6778189
 LOGGED BY: RW

HOLE No.: 30173

DATE COMP: 07/28/2004

FIELD NO:	18	19	20	21	22	
LAB NO:	18	19	20	21	22	
DEPTH:	0.2-0.6	0.8-1.2	1.8-2.4	3.7-4.3	4.9-5.5	
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	#N/A
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%	100%	100%	
80.0	100%	100%	100%	100%	100%	
50.0	100%	100%	100%	100%	100%	
25.0	100%	100%	100%	100%	100%	
20.0	100%	100%	100%	100%	100%	
12.5	100%	100%	100%	100%	100%	
10.0	100%	100%	99%	99%	100%	
5.0	100%	99%	96%	98%	100%	
2.5	100%	97%	93%	98%	99%	
1.25	99%	95%	89%	98%	99%	
0.630						
0.315	98%	92%	81%	97%	97%	
0.160	97%	90%	76%	96%	96%	
0.080	93%	86%	71%	80%	90%	
M.C.(%):	28%	40%	16%	18%	19%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC INDEX.:	0.0	0.0	0.0	0.0	0.0	
% GRAVEL:	0	1	4	2	0	
% SAND:	7	12	24	18	9	
% FINES:	93	86	71	80	90	
CLASSIFICATION	SILT (ML)	SILT (ML)	SILT WITH SAND (ML)	SILT WITH SAND (ML)	SILT (ML)	





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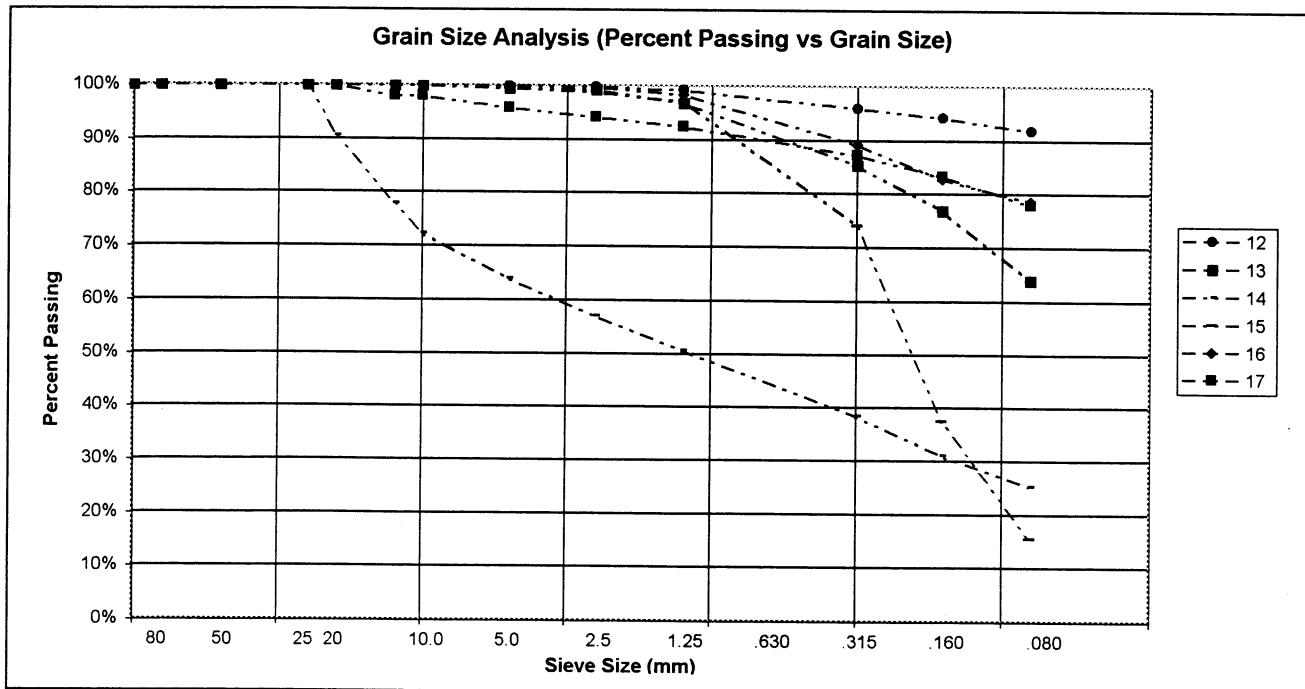


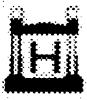
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631499-6778370
 LOGGED BY: RW

HOLE No.: 30174

DATE COMP: 07/28/2004

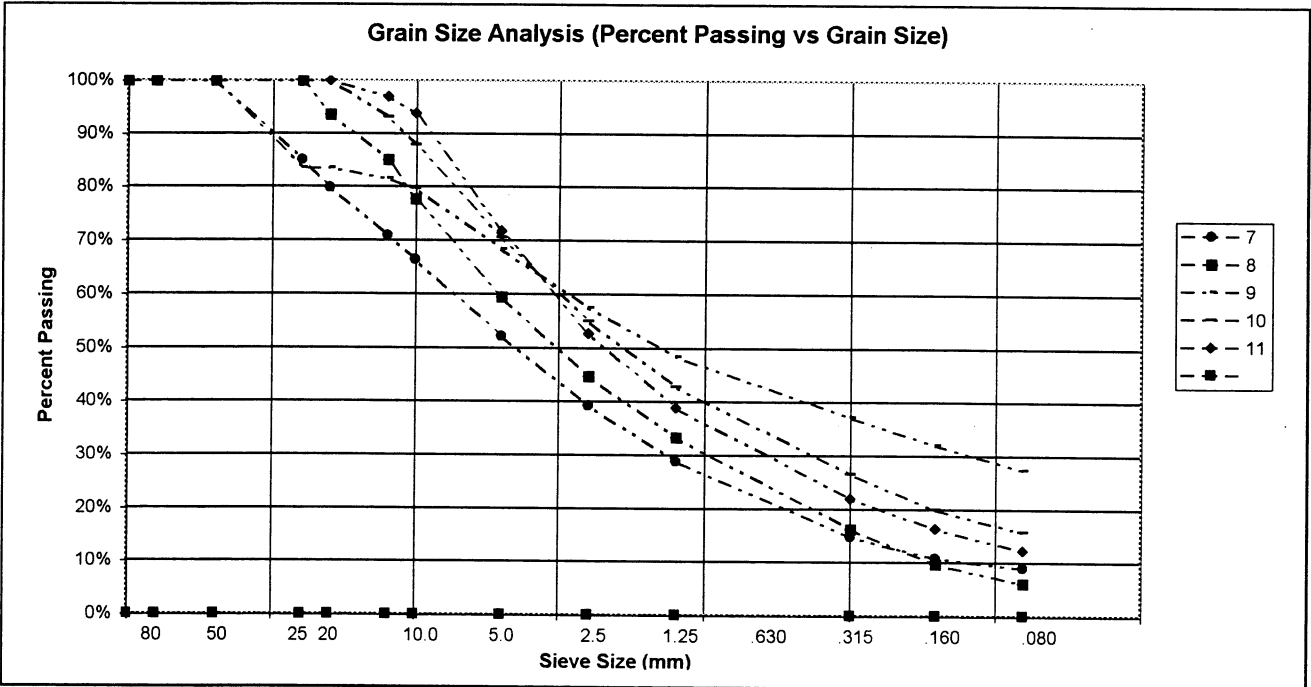
FIELD NO:	12	13	14	15	16	17
LAB NO:	12	13	14	15	16	17
DEPTH:	0.0-0.6	0.6-1.2	1.8-2.7	3.7-4.0	4.0-4.4	4.9-5.5
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	AUGER
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING
100.0	100%	100%	100%	100%	100%	100%
80.0	100%	100%	100%	100%	100%	100%
50.0	100%	100%	100%	100%	100%	100%
25.0	100%	100%	100%	100%	100%	100%
20.0	100%	100%	91%	100%	100%	100%
12.5	100%	100%	78%	100%	100%	98%
10.0	100%	100%	72%	100%	100%	98%
5.0	100%	100%	64%	100%	100%	96%
2.5	100%	99%	57%	99%	100%	94%
1.25	99%	97%	51%	97%	98%	93%
0.630						
0.315	96%	85%	38%	74%	89%	87%
0.160	94%	77%	31%	37%	83%	83%
0.080	92%	64%	25%	16%	79%	78%
M.C.(%)	31%	50%	12%	17%	45%	20%
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	0.0
% GRAVEL:	0	0	36	0	0	4
% SAND:	8	36	39	84	21	18
% FINES:	92	64	25	16	79	78
CLASSIFICATION	SILT (ML)	SANDY SILT (ML)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)	SILT WITH SAND (ML)	SILT WITH SAND (ML)





PROJECT NUMBER: 8002-318 HOLE No.: 30175
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631598-6778568
 LOGGED BY: RW DATE COMP: 07/28/2004

FIELD NO:	7	8	9	10	11	
LAB NO:	7	8	9	10	11	
DEPTH:	0.3-0.9	2.0-2.9	3.0-3.7	3.7-4.3	4.9-5.5	
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	#N/A
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%	100%	100%	
80.0	100%	100%	100%	100%	100%	
50.0	100%	100%	100%	100%	100%	
25.0	85%	100%	84%	100%	100%	
20.0	80%	94%	84%	100%	100%	
12.5	71%	85%	82%	93%	97%	
10.0	66%	78%	80%	88%	94%	
5.0	52%	60%	68%	71%	72%	
2.5	39%	45%	58%	55%	53%	
1.25	29%	33%	49%	43%	39%	
0.630						
0.315	15%	16%	37%	27%	22%	
0.160	11%	10%	32%	20%	16%	
0.080	9%	6%	27%	16%	12%	
M.C.(%)	6%	7%	16%	11%	9%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	
% GRAVEL:	48	40	32	29	28	
% SAND:	43	53	41	55	60	
% FINES:	9	6	27	16	12	
CLASSIFICATION	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	



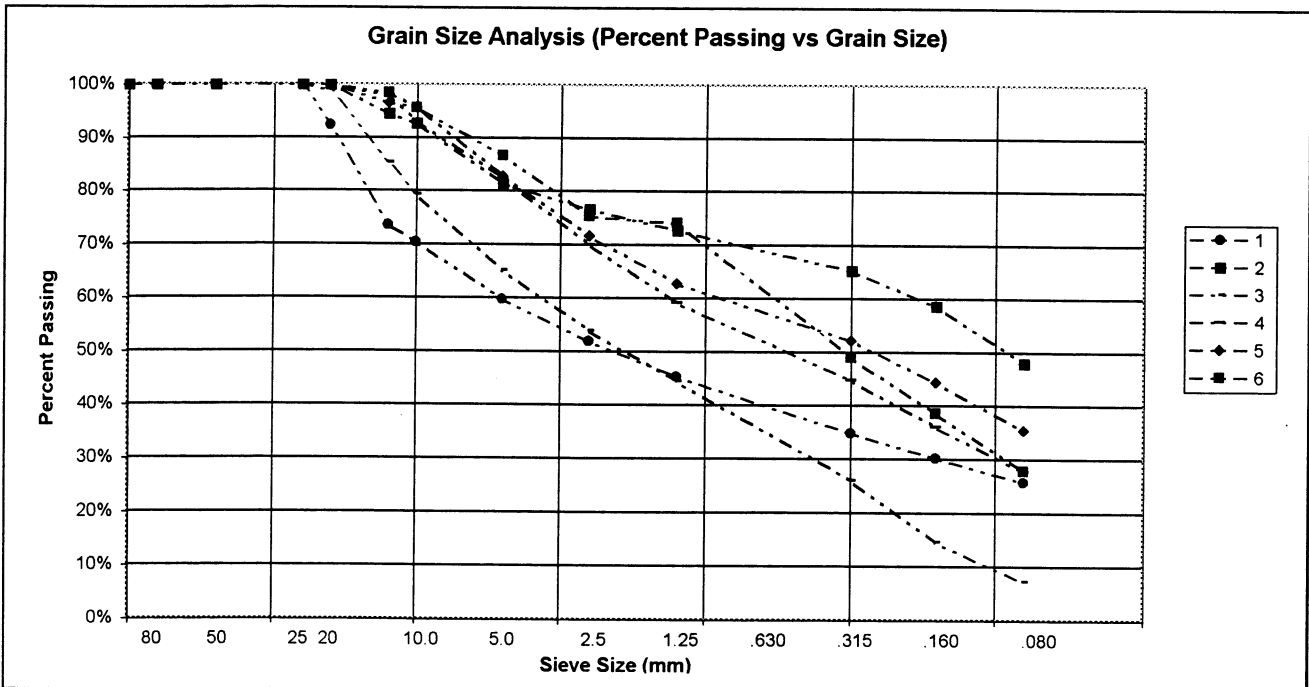


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 631642-6778670
 LOGGED BY: RW

HOLE No.: 30176

DATE COMP: 07/28/2004

FIELD NO:	1	2	3	4	5	6
LAB NO:	1	2	3	4	5	6
DEPTH:	0.2-0.5	0.6-1.2	1.5-2.1	2.4-2.9	3.7-4.3	4.9-5.5
TYPE:	AUGER	AUGER	AUGER	AUGER	AUGER	AUGER
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING
100.0	100%	100%	100%	100%	100%	100%
80.0	100%	100%	100%	100%	100%	100%
50.0	100%	100%	100%	100%	100%	100%
25.0	100%	100%	100%	100%	100%	100%
20.0	92%	100%	99%	100%	100%	100%
12.5	74%	95%	85%	98%	97%	98%
10.0	71%	93%	79%	93%	96%	96%
5.0	60%	81%	65%	82%	83%	87%
2.5	52%	77%	54%	70%	72%	75%
1.25	45%	73%	45%	59%	63%	74%
0.630						
0.315	35%	65%	26%	45%	52%	49%
0.160	30%	59%	15%	36%	44%	39%
0.080	26%	48%	7%	28%	35%	28%
M.C.(%)	8%	27%	8%	16%	14%	15%
LIQUID LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	0.0	0.0
PLASTIC INDEX:	0.0	0.0	0.0	0.0	0.0	0.0
% GRAVEL:	40	19	35	18	17	13
% SAND:	34	33	58	55	47	59
% FINES:	26	48	7	28	35	28
CLASSIFICATION	SILTY GRAVEL WITH SAND (GM)	SILTY SAND WITH GRAVEL (SM)	WELL-GRADED SAND WITH SILT & GRAVEL (SW-SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND WITH GRAVEL (SM)	SILTY SAND (SM)



Km 1699+700 LHS Alaska Highway

August 2004

J. R. Paine & Associates

Test Pit Sieve Sheets
(Car 318C Excavator)

Test Pits 30177 to 30179



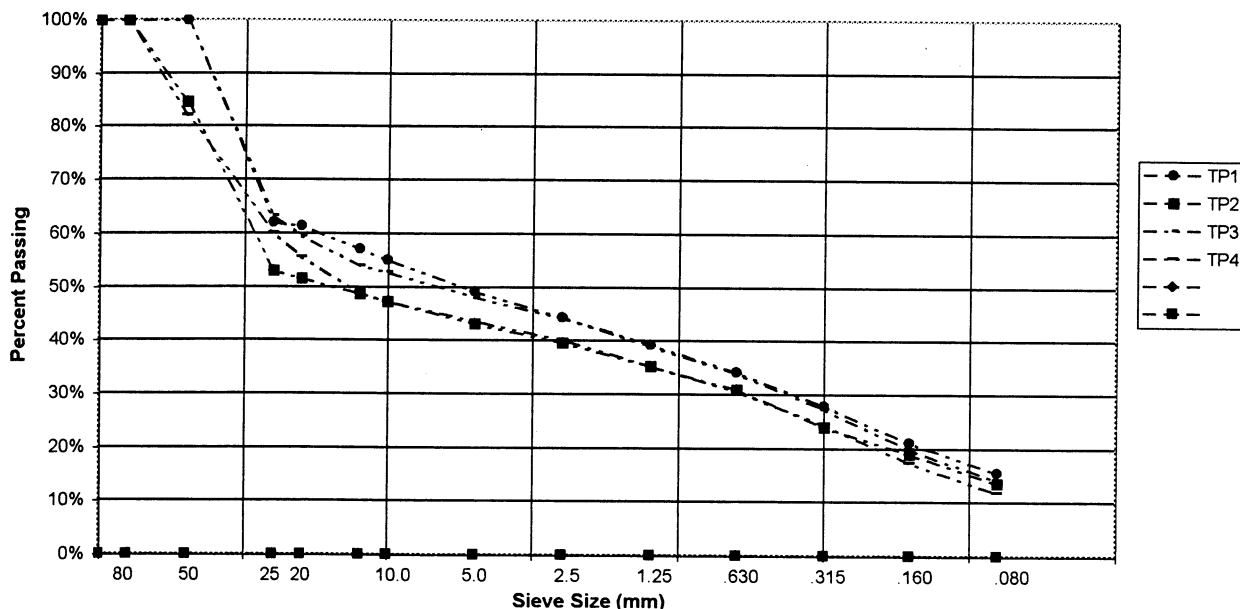
PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 636646-6764614
 LOGGED BY: RW

HOLE No.: 30177

DATE COMP: 08/10/2004

FIELD NO:	TP1	TP2	TP3	TP4		
LAB NO:	TP1	TP2	TP3	TP4		
DEPTH:	0.8-1.3	2.0-2.4	3.0-3.3	4.5-4.8		
TYPE:	BULK	BULK	BULK	BULK		
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING		
100.0	100%	100%	100%	100%		
80.0	100%	100%	100%	100%		
50.0	100%	85%	100%	82%		
25.0	62%	53%	63%	60%		
20.0	61%	52%	60%	56%		
12.5	57%	49%	54%	49%		
10.0	55%	47%	53%	47%		
5.0	49%	43%	48%	44%		
2.5	44%	40%	44%	40%		
1.25	39%	35%	39%	35%		
0.630	34%	31%	34%	31%		
0.315	28%	24%	27%	24%		
0.160	21%	19%	20%	17%		
0.080	16%	14%	14%	12%		
M.C.(%):	4%	5%	5%	5%		
LIQUID LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC LIMIT:	0.0	0.0	0.0	0.0		
PLASTIC INDEX.:	0.0	0.0	0.0	0.0		
% GRAVEL:	51	57	52	56		
% SAND:	34	29	34	32		
% FINES:	16	14	14	12		
CLASSIFICATION	SILTY GRAVEL WITH SAND (GM)	SILTY GRAVEL WITH SAND (GM)	SILTY GRAVEL WITH SAND (GM)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)		

Grain Size Analysis (Percent Passing vs Grain Size)





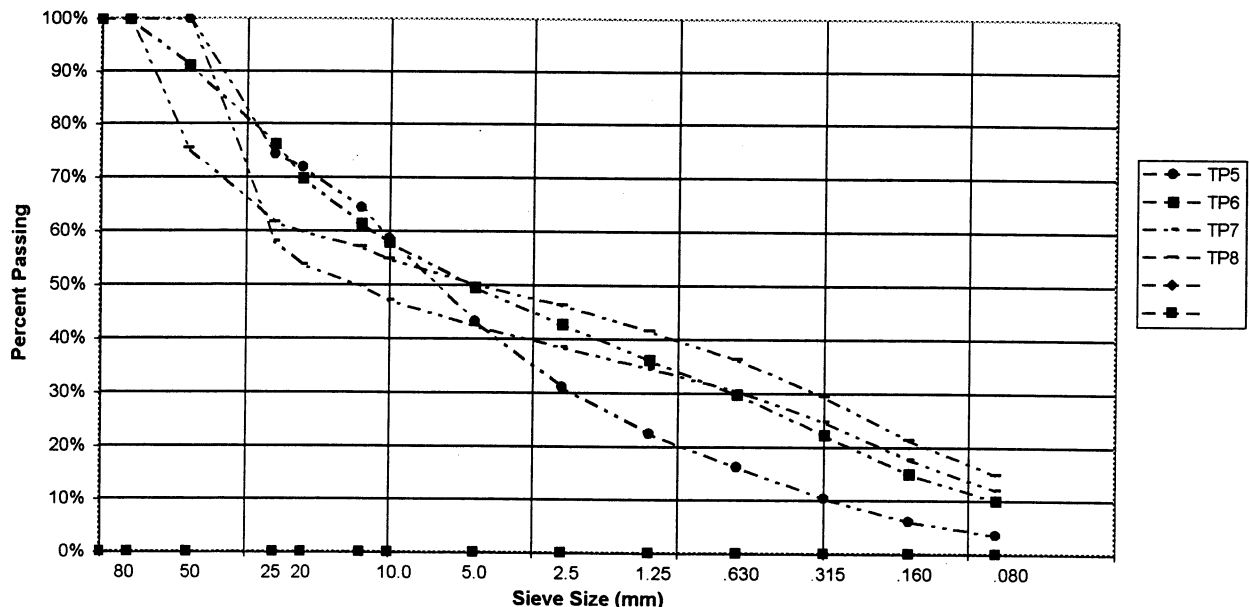
PROJECT NUMBER: 8002-318
CLIENT: YTG, Transportation & Engineering
PROJECT NAME: Geotechnical Services
PROJECT LOCATION: Km 1691.7-1717.3
DRILL UNIT: CME75
HOLE LOCATION: 636697-6764616
LOGGED BY: RW

HOLE No.: 30178

DATE COMP: 08/10/2004

Table with columns: FIELD NO., LAB NO., DEPTH, TYPE, SIEVE SIZE, PERCENT PASSING (TP5, TP6, TP7, TP8), M.C.(%), LIQUID LIMIT, PLASTIC LIMIT, PLASTIC INDEX, % GRAVEL, % SAND, % FINES, CLASSIFICATION.

Grain Size Analysis (Percent Passing vs Grain Size)



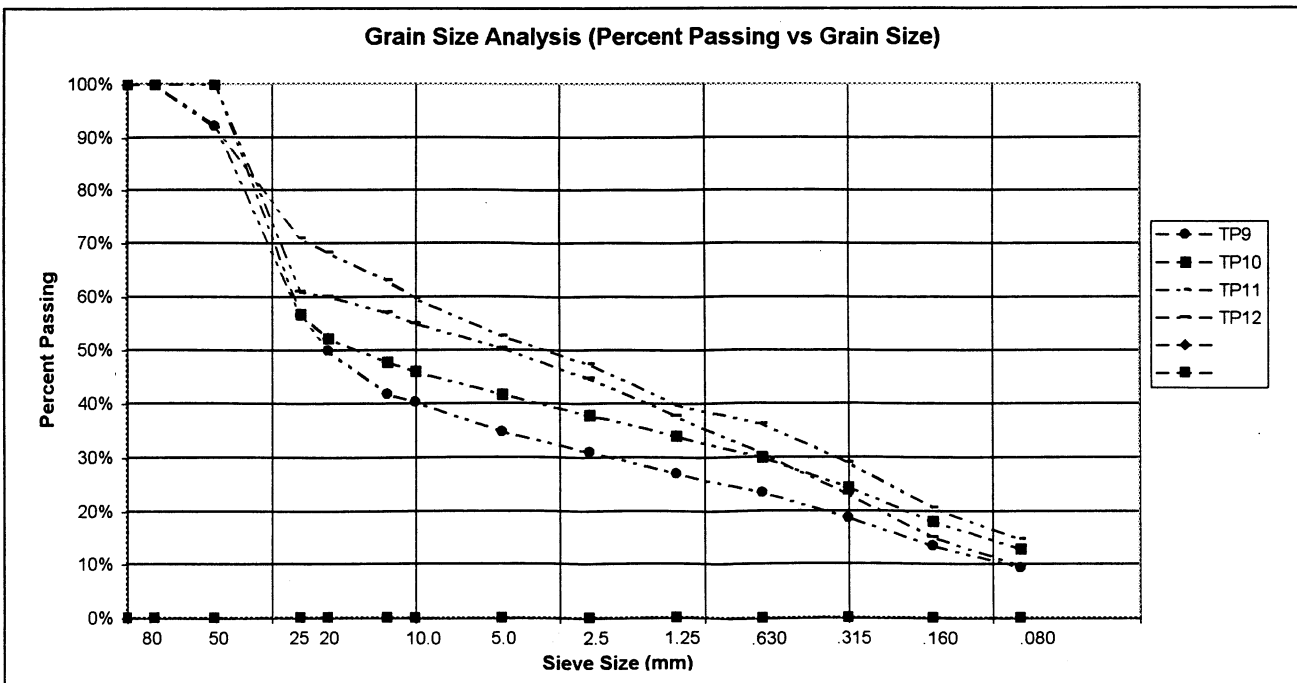


PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 636749-6764619
 LOGGED BY: RW

HOLE No.: 30179

DATE COMP: 08/10/2004

FIELD NO:	TP9	TP10	TP11	TP12	
LAB NO:	TP9	TP10	TP11	TP12	
DEPTH:	0.5-1.0	1.8-2.3	3.2-3.5	4.5-5.0	
TYPE:	BULK	BULK	BULK	BULK	
SIEVE SIZE	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	PERCENT PASSING	
100.0	100%	100%	100%	100%	
80.0	100%	100%	100%	100%	
50.0	92%	100%	92%	100%	
25.0	57%	57%	71%	61%	
20.0	50%	52%	68%	60%	
12.5	42%	48%	63%	57%	
10.0	40%	46%	60%	55%	
5.0	35%	42%	53%	50%	
2.5	31%	38%	47%	45%	
1.25	27%	34%	40%	38%	
0.630	23%	30%	36%	31%	
0.315	19%	24%	29%	23%	
0.160	14%	18%	21%	15%	
0.080	9%	13%	15%	10%	
M.C.(%):	3%	6%	7%	6%	
LIQUID LIMIT:	0.0	0.0	0.0	0.0	
PLASTIC LIMIT:	0.0	0.0	0.0	0.0	
PLASTIC INDEX:	0.0	0.0	0.0	0.0	
% GRAVEL:	65	58	47	50	
% SAND:	25	29	38	40	
% FINES:	9	13	15	10	
CLASSIFICATION	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	SILTY GRAVEL WITH SAND (GM)	SILTY GRAVEL WITH SAND (GM)	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)	



Km 1706+200 LHS Alaska Highway
(Soldier's Summit Slide)

August 2004

J. R. Paine & Associates

Test Pit Sieve Sheets
(Hitachi 450EX Excavator)

Test Pits 30076 & 30081

* NOTE: No samples taken from Test Pits 30072 to 30075, 30077, 30078, & 30080. Sample taken from Test Pit 30079 but no sieve analysis done.



HOGGAN ENGINEERING & TESTING (1980) LTD.

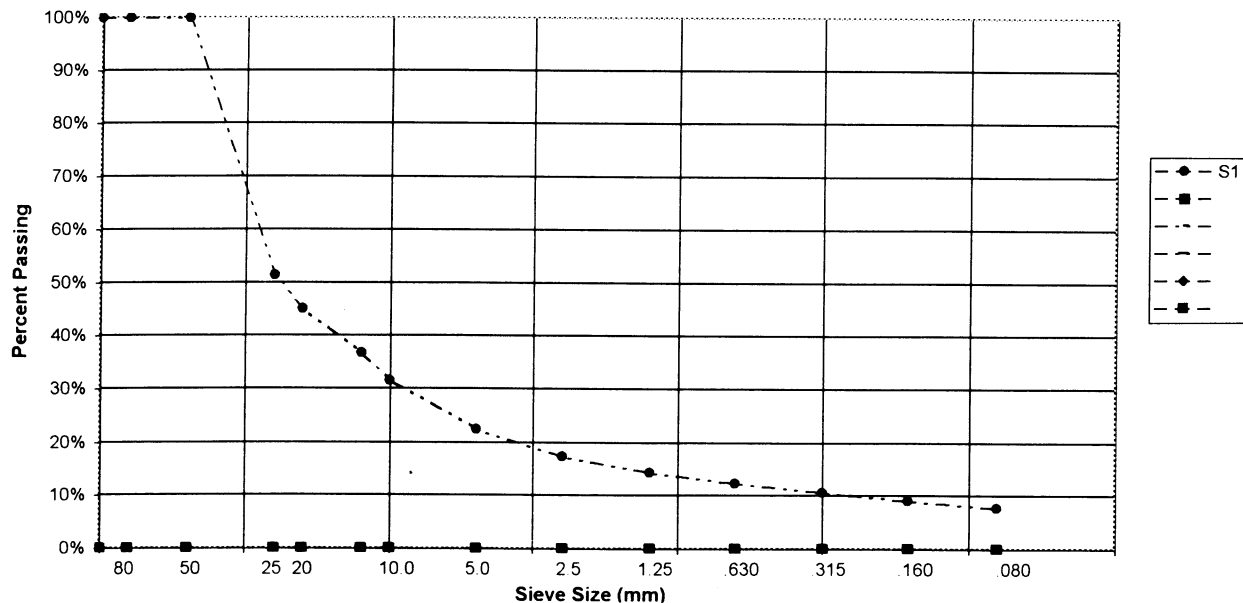
An Associate of J. R. Payne & Associates Ltd.



PROJECT NUMBER: 8002-318 HOLE No.: 30076
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 635054-6768523
 LOGGED BY: RW DATE COMP: 07/29/2004

FIELD NO:	S1				
LAB NO:	S1				
DEPTH:	3.6-4.2				
TYPE:	BULK				
SIEVE SIZE	PERCENT PASSING				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	51%				
20.0	45%				
12.5	37%				
10.0	32%				
5.0	23%				
2.5	17%				
1.25	14%				
0.630	12%				
0.315	11%				
0.160	9%				
0.080	8%				
M.C.(%):	4%				
LIQUID LIMIT:	0.0				
PLASTIC LIMIT:	0.0				
PLASTIC INDEX.:	0.0				
% GRAVEL:	77				
% SAND:	15				
% FINES:	8				
CLASSIFICATION	POORLY GRADED GRAVEL WITH SILT (GP-GM)				

Grain Size Analysis (Percent Passing vs Grain Size)





HOGGAN ENGINEERING & TESTING (1980) LTD.

An Affiliate of J. R. Payne & Associates Ltd.



PROJECT NUMBER: 8002-318
 CLIENT: YTG, Transportation & Engineering
 PROJECT NAME: Geotechnical Services
 PROJECT LOCATION: Km 1691.7-1717.3
 DRILL UNIT: CME75
 HOLE LOCATION: 635160-6768752
 LOGGED BY: RW

HOLE No.: 30081

DATE COMP: 07/31/2004

FIELD NO:	S3				
LAB NO:	S3				
DEPTH:	4.5-5.0				
TYPE:	BULK				
SIEVE SIZE	PERCENT PASSING				
100.0	100%				
80.0	100%				
50.0	100%				
25.0	75%				
20.0	70%				
12.5	58%				
10.0	49%				
5.0	35%				
2.5	25%				
1.25	18%				
0.630	14%				
0.315	11%				
0.160	9%				
0.080	7%				
M.C.(%):	2%				
LIQUID LIMIT:	0.0				
PLASTIC LIMIT:	0.0				
PLASTIC INDEX.:	0.0				
% GRAVEL:	65				
% SAND:	28				
% FINES:	7				
CLASSIFICATION	POORLY GRADED GRAVEL WITH SILT & SAND (GP-GM)				

Grain Size Analysis (Percent Passing vs Grain Size)

