

- City box number 26-1
- Title/cover page w/the following info:
  - Company (author) name
  - Report Date
  - Project name
  - Company's job number
  - City DCLU project number (7-digit number)
  - City Permit number (6-digit number)
  - Kroll map index number (3-digit number, w/?E,W,N,S)
  - Green label
  - Site address (may be on 1<sup>st</sup> or 2<sup>nd</sup> page of text) n/11
- Executive Summary and associated figures
- Table of Contents
- Project Location Plan/Map or Vicinity Map
- Site Plans, Boring Location Plans, or Exploration Plans
- Survey
- Geologic Maps
- Cross Sections/Subsurface Profiles
- Fill or Peat Thickness Maps and Contour Maps
- Boring Logs
- Geology Text (if no logs)
- Soil Classification Key/Boring Log Key
- Probe Logs
- Test Pit Logs
- Monitoring Well Logs
- Cone Penetrometer Logs
- Shear Wave Velocity Measurements
- Groundwater Maps
- GW Elevation Tables/Data
- Soils Lab Testing (Geotechnical) Summary Tables
  - Grain Size Analyses/Hydrometer Analyses
    - Atterberg Limits
    - Strength tests: Triaxial, Unconfined, Direct Shear
    - Organic Content
    - <sup>14</sup>C or Radiocarbon Testing
    - Other \_\_\_\_\_
- Soil Chemical Analytical Testing Summary Tables
- Water/Groundwater Chemical Analytical Summary Tables
- Comments \_\_\_\_\_
- Date Copied 3/5 By [Signature]

1525

PROJECT # 8102131  
29W 632306

2/11



# Converse Consultants NW

Geotechnical Engineering  
and Applied Earth Sciences

201 Garfield St.

1525

201 GARFIELD ST

## GEOTECHNICAL INVESTIGATION

Proposed Hay Elementary School #514

Seattle District Capital Improvement Program  
Phase I

Prepared for:

Seattle School District

RECEIVED

JUN 12 1987

DEPT. OF CONSTRUCTION & LAND USE  
LAND USE DIVISION

Converse Project No. 86-35225-01

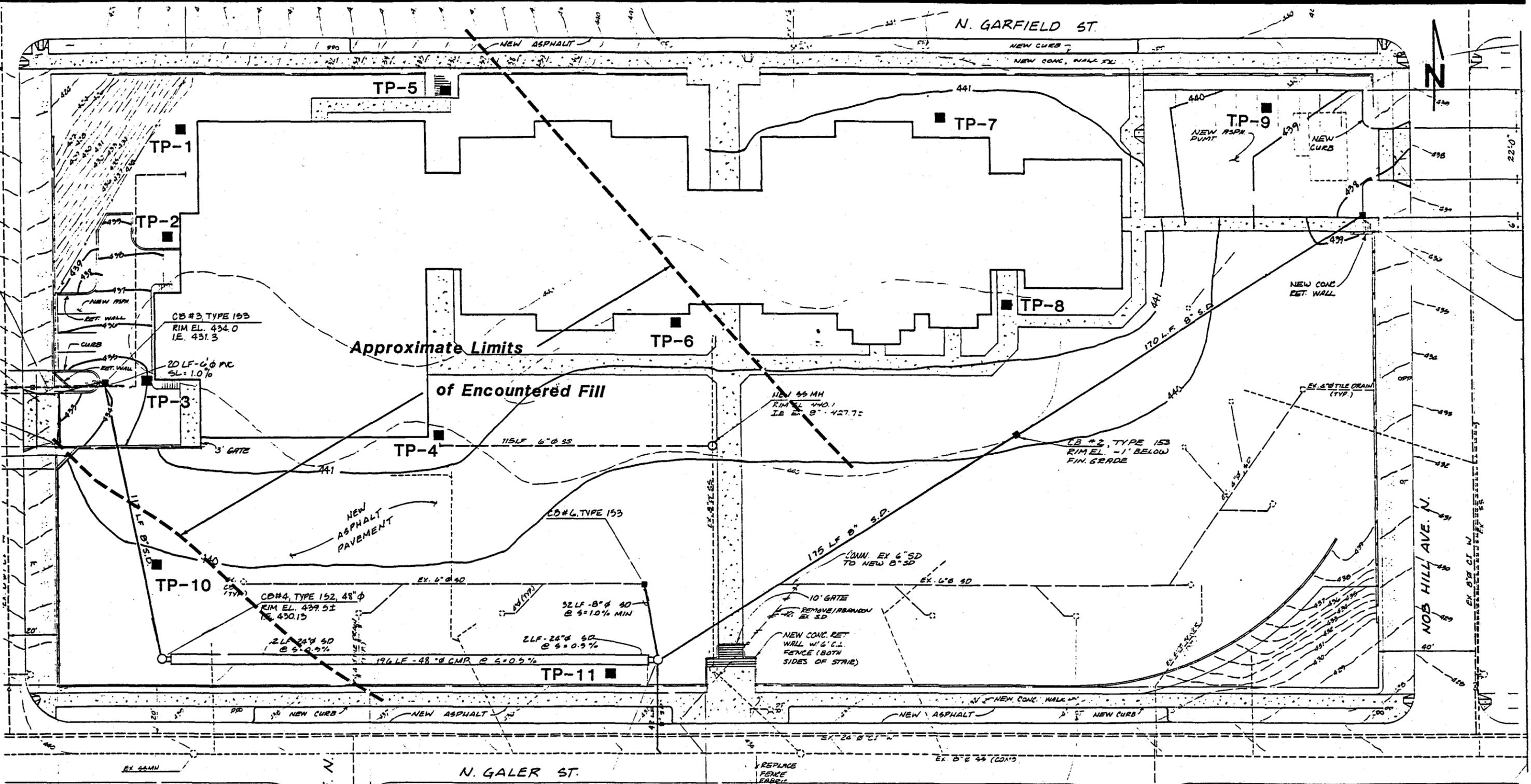
December 1, 1986

RECEIVED

DEC 8 1986

CARRUTHERS/THOMAS & ASSOC. INC.

Converse Consultants NW  
3131 Elliott Avenue  
Suite 550  
Seattle, Washington 98121  
Telephone 206 285-5200



REFERENCE: Civil Site Plan, Project No. 8605, dated Oct.4, 1986 by Cardwell/Thomas & Associates/Architects.

LEGEND:  
 TP-1 ■ Approximate test pit location

**SITE AND EXPLORATION PLAN**

**PROPOSED HAY ELEMENTARY SCHOOL #514**  
 Seattle, Washington  
 for Seattle School District

Scale	<b>NOTED</b>	Project No.	86-35225
Date	<b>NOV. 1986</b>	Prepared by	<b>WJ</b>
Checked by	<b>JAD</b>	Drawing No.	<b>1</b>
Approved By	<b>DER</b>		

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## LOG OF TEST PIT NO. 1

Location: See Drawing 1

Elevation: Approx. 440

Surface Conditions: Sod

Depth in feet	Moisture Content-%	Sample	Symbol	DESCRIPTION	REMARKS
1				TOPSOIL (6" sod; roots to 1')	
2	8.8	1	SM	SILTY SAND (Fill); brown, fine to medium, some silt, few gravels; damp, medium dense	concrete and brick debris  wood
3					
4					
5	15.9	2	SM	SILTY SAND (Topsoil); mottled gray and green, fine to medium, some silt, few gravels; very moist, loose; scattered roots, abundant organics	roots  weathered zone
6					
7					
8	14.4	3	SM	SILTY SAND WITH GRAVEL (Till); gray, fine to medium, little silt, little gravel; moist, very dense	
9					
10					
11					
12				Bottom of test pit at depth 12.0' No groundwater encountered Completed 10/24/86	

PROPOSED HAY ELEMENTARY SCHOOL #514  
Seattle, Washington  
for Seattle School District

Project No  
86-35225

Drawing No



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**A-1**

## LOG OF TEST PIT NO. 2

Location: See Drawing 1

Elevation: Approx. 440

Surface Conditions: Sod

Depth in feet	Moisture Content-%	Sample	Symbol	DESCRIPTION	REMARKS
1				(Sod)	
2		1	SM	<b>SILTY SAND WITH GRAVEL (Fill);</b> brown, fine to medium, little silt, little gravel; moist, dense	concrete and brick debris           large chunks of concrete from 5' to 8'
3					
4					
5					
6					
7					
8				large pocket of debris at 7' to 8-1/2'; wood, concrete, brick, metal; loose	
9			SM	<b>SILTY SAND (Till);</b> brownish-gray, fine to medium, little silt, few gravels; moist, very dense	
10		2			
				Bottom of test pit at depth 10.0' No groundwater encountered Completed 10/24/86	

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 Seattle, Washington  
 for Seattle School District

Project No  
 86-35225



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Drawing No

**A-2**

## LOG OF TEST PIT NO. 3

Location: See Drawing 1

Elevation: Approx. 440

Surface Conditions: Sod

Depth in feet	Moisture Content-%	Sample	Symbol	DESCRIPTION	REMARKS
1				(Sod)	
2	10.0	1	SM	SILTY SAND WITH GRAVEL (Fill); reddish-gray, fine to medium, little silt, little gravel; damp, dense	
3					
4					
5	11.6	2	SM	grades to brown, fine to medium; moist, dense	
6					
7	4.3	3	SP/ SM	SAND WITH SILT (Glacial); gray, fine to medium, little silt, occasional beds of thinly laminated silt; moist, dense	
8					
9					
10	5.3	4			
11				Bottom of test pit at depth 10-1/2'	
				No groundwater encountered	
				Completed 10/24/86	

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Seattle, Washington  
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Project No

86-35225



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Drawing No

**A-3**

## LOG OF TEST PIT NO. 4

Location: See Drawing 1

Elevation: Approx. 440

Surface Conditions: Sod

Depth in feet	Moisture Content-%	Sample	Symbol	DESCRIPTION	REMARKS
1			SM	SILTY SAND WITH GRAVEL (Fill); mottled gray and brown, fine to medium, little silt, little gravel; damp, loose	concrete curb 6" below surface
2					
3					
4					
5					
6		2	SM	grades to orange-brown, with occasional fine roots	hard digging weathered zone
7					
8				color changes to olive-brown	
9			SM	SILTY SAND WITH GRAVEL (Till); gray-brown, fine to medium, little gravel, little silt, iron stain; moist, very dense	
10		3			
				Bottom of test pit at depth 9-1/2' No groundwater encountered Completed 10/24/86	

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Seattle, Washington  
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Project No  
86-35225



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Drawing No  
**A-4**

## LOG OF TEST PIT NO. 5

Location: See Drawing 1

Elevation: Approx. 440

Surface Conditions: Bare ground

Depth in feet	Moisture Content-%	Sample	Symbol	DESCRIPTION	REMARKS
1					
2		1	SM	SILTY SAND WITH GRAVEL (Fill); brown, fine to medium, little silt, little gravel; damp, medium dense	concrete and brick debris buried wood
3					
4		2	ML	SILT WITH SAND (Topsoil); dark brown, little sand, fine, abundant organics; wet, soft	weathered zone
5				(Weathered Till); mottled brown to gray; moist, dense	
6					
7	10.3	3	SM	SILTY SAND WITH GRAVEL (Till); gray, fine to medium, little silt, little gravel; moist, very dense	
8					
9				Bottom of test pit at depth 8-1/2' No groundwater encountered Completed 10/24/86	

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Seattle, Washington  
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Project No  
86-35225

Drawing No



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**A-5**

## LOG OF TEST PIT NO. 6

Location: See Drawing 1

Elevation: Approx. 440

Surface Conditions: Bare ground

Depth in feet	Moisture Content-%	Sample	Symbol	DESCRIPTION	REMARKS	
1		1	SM	SILTY SAND (Fill); mottled gray & reddish-brown, fine to medium, little silt, few gravels; moist, medium dense	concrete debris	
2				(Weathered Till)	weathered zone	
3		2	SM	-----		
4						
5						
6						
7				SILTY SAND (Till); gray, fine to medium, little silt, trace gravel; moist, very dense		
8				iron stain, crude bedding, occasional 1/4" beds of silt to grayish-brown		
9				Bottom of test pit at depth 8-1/2'		
				No groundwater encountered		
				Completed 10/24/86		

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Seattle, Washington  
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Project No

86-35225



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Drawing No

**A-6**

## LOG OF TEST PIT NO. 7

Location: See Drawing 1

Elevation: Approx. 440

Surface Conditions: Brae ground

Depth in feet	Moisture Content-%	Sample	Symbol	DESCRIPTION	REMARKS
1				Cinder layer	
2					
3		1	SM	SILTY SAND WITH GRAVEL (Weathered Till); mottled gray & brown, fine to medium, little silt, little gravel, crude bedding, occasional sandy patches; moist, dense	
4					
5					
6	8.0	2	SM	SILTY SAND WITH GRAVEL (Till); brownish-gray, fine to medium, little silt, little gravel; moist, very dense	
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Drawing No

A-7

Approved for publication \_\_\_\_\_ by \_\_\_\_\_

## LOG OF TEST PIT NO. 8

Location: See Drawing 1

Elevation: Approx. 440

Surface Conditions: Sod

Depth in feet	Moisture Content-%	Sample	Symbol	DESCRIPTION	REMARKS
1 2 3 4	7.5	1	SM	<b>SILTY SAND</b> (Weathered Till); mottled gray and reddish-brown, fine to medium, little silt, few gravels; damp, dense	weathered zone
5 6 7	7.9	2	SM	<b>SILTY SAND</b> (Till); brownish-gray, fine to medium, little silt, few gravels; moist, very dense	
8 9	8.6	3	SM	<b>SILTY SAND WITH GRAVEL</b> (Till); brownish-gray, fine to medium, little silt, little gravel; moist, very dense	
				Bottom of test pit at depth 9.0' No groundwater encountered Completed 10/24/86	

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Project No  
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Drawing No

A-8



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## LOG OF TEST PIT NO. 9

Location: See Drawing 1

Elevation: Approx. 440

Surface Conditions: Bare ground

Depth in feet	Moisture Content-%	Sample	Symbol	DESCRIPTION	REMARKS
1	18.7	1		SILTY SAND (Fill); brown; moist, medium dense	weathered zone
2			SM	SILTY SAND (Weathered Till); mottled reddish-brown and brown, fine to medium, some silt, few gravels; moist, dense	
3	8.5	2			
4			SM	SILTY SAND WITH GRAVEL (Weathered Till); mottled reddish-brown to brown, fine to medium, little silt, little gravels; moist, very dense	
5					
6					
7	11.4	3			
8			SM	SILTY SAND WITH GRAVEL (Till); grayish-brown, fine to medium, little silt, little gravel; moist, very dense	
9				Bottom of test pit at depth 8.5'. No groundwater encountered Completed 10/24/86	

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Drawing No



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**A-9**

Approved for publication by \_\_\_\_\_

## LOG OF TEST PIT NO. 10

Location: See Drawing 1

Elevation: Approx. 440

Surface Conditions: Sod

Depth in feet	Moisture Content-%	Sample	Symbol	DESCRIPTION	REMARKS
1		1		(Sod) <b>SILTY SAND WITH GRAVEL (Fill)</b> ; buff yellow, fine to medium, little silt, few gravels, scattered fine roots; damp, dense	concrete slab at depth 1'
2				mottled gray to brown	weathered zone
3			SM	<b>SILTY SAND WITH GRAVEL (Fill)</b> ; gray-brown, fine to medium, little silt, little gravel, iron stain; moist, very dense	8" cobble
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Seattle, Washington  
for Seattle School District

Project No  
86-35225

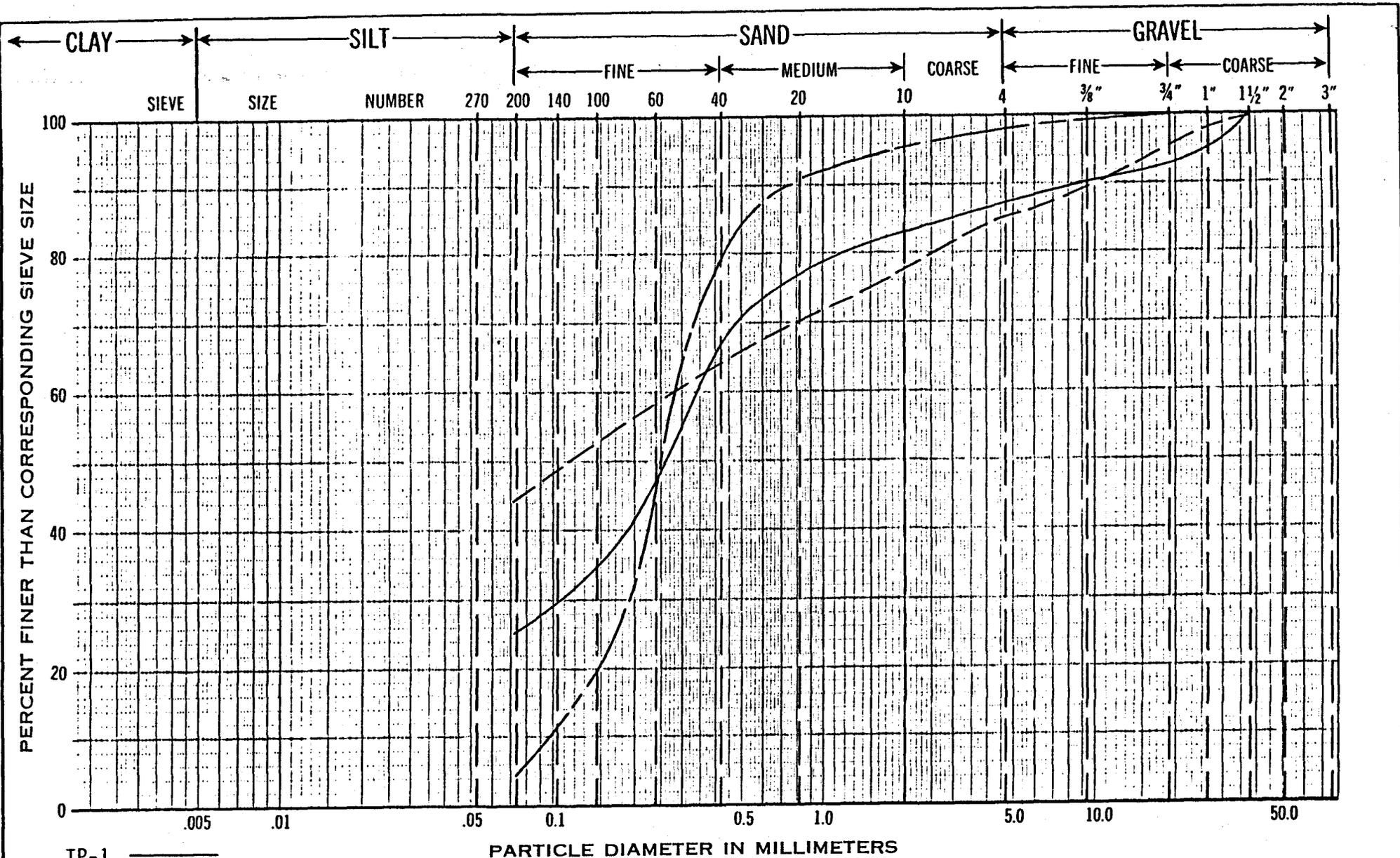
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**A-10**





TP-1 \_\_\_\_\_  
 Sample 4, depth 11½-12'

TP-3 \_\_\_\_\_  
 Sample 1, depth 1½-2'

TP-3 \_\_\_\_\_  
 Sample 3, depth 7-7½'

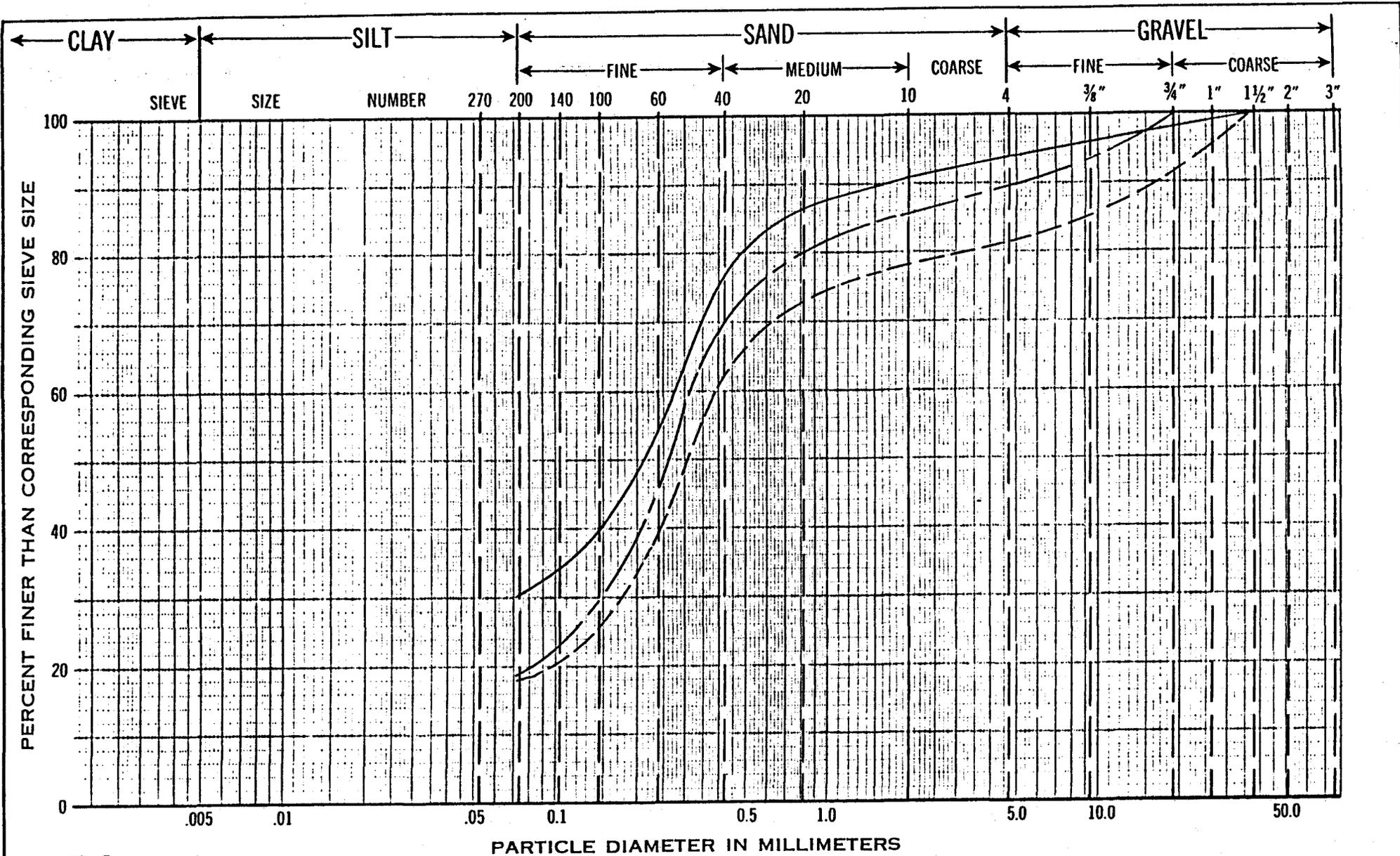
**GRAIN-SIZE DISTRIBUTION CHART**

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 Seattle, Washington  
 for Seattle School District

Project No.  
 86-35225

Drawing No.

**B-1**



TP-5 \_\_\_\_\_  
 Sample 3, depth 7-7 1/2'

TP-7 - - - - -  
 Sample 2, depth 6 1/2-7'

TP-8 - · - · -  
 Sample 3, depth 8 1/2-9'

### GRAIN-SIZE DISTRIBUTION CHART

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 for Seattle School District

Project No.  
 86-35225

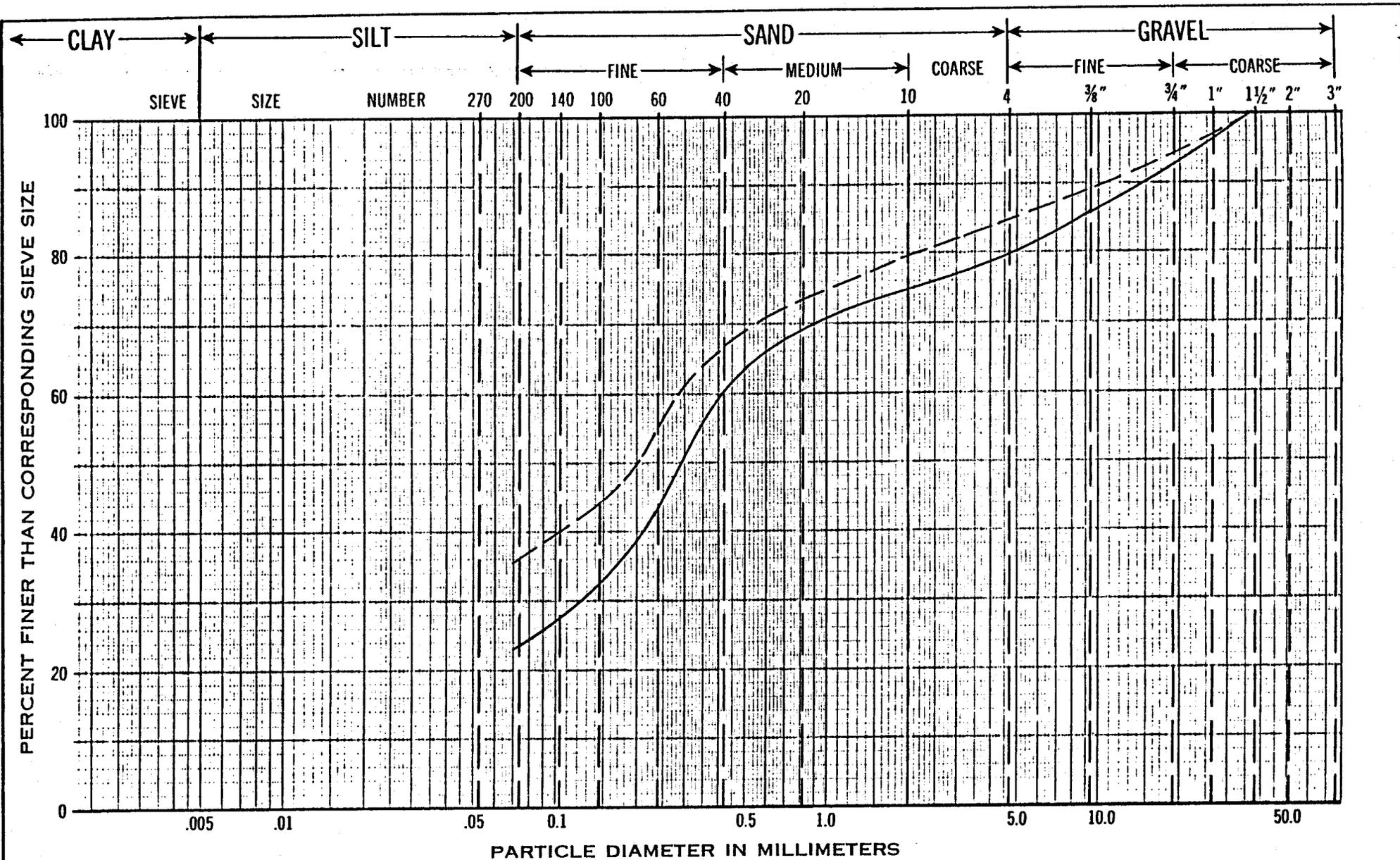
Drawing No.

B-2



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TP-9 \_\_\_\_\_  
 Sample 2, depth 4½-5'

TP-11 \_\_\_\_\_  
 Sample 1, depth ½'-1'

### GRAIN-SIZE DISTRIBUTION CHART

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 Seattle, Washington  
 for Seattle School District

Project No.  
 86-35255

Drawing No.

B-3



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