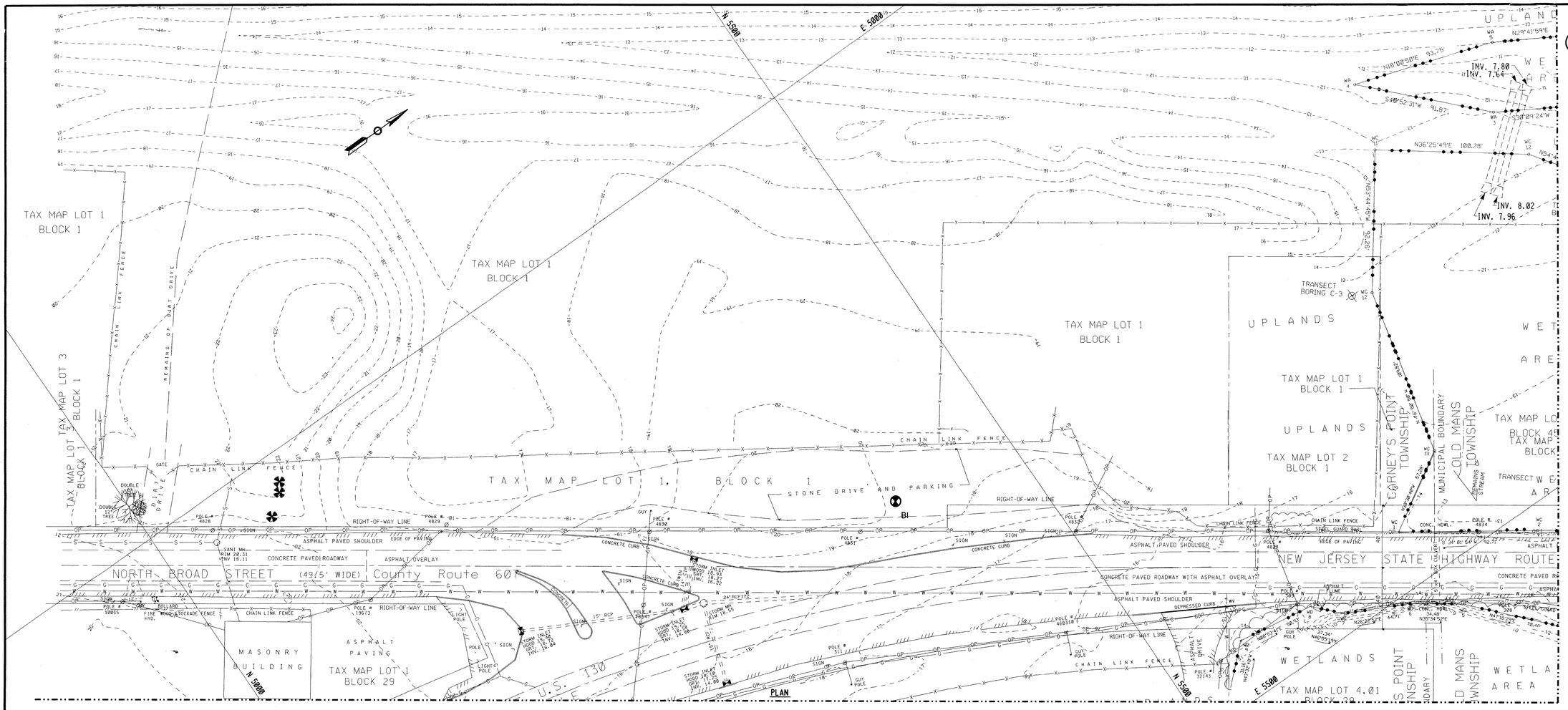



PLAN

NOTES:

B1 SOIL BORING LOCATION

**LIPPINCOTT JACOBS & GOUDA**
One Pavilion Avenue Riverside, New Jersey 08075

PROJECT NO. 8788.1/9 SHEET 1 OF 2
DATE September 9, 1996 SURFACE ELEV.
PROJECT Waste Water Lift Station CLIENT Foster Wheeler
LOCATION Carney's Point Twp., NJ LOG OF BORING NUMBER B-1

| DEPTH | SAMPLE NO. | TYPE * | SAMPLE DEPTH (ft) | BLOW COUNT (blows per 6 inches) | CLASSIFICATION OF MATERIALS (based on samples recovered plus observation of material retained between samples) | MOISTURE CONTENT (% by wgt.) |
|---|---|---|---|---|---|---|
| | S-1 | A | 0/2 | 13-24-10-8 | Brownish yellow fine SAND, some Silt [SM] | |
| | S-2 | A | 2/4 | 4-4-5-5 | Brownish yellow fine SAND, little Silt [SM] | |
| 5 | S-3 | A | 4/6 | 2-5-8-10 | Brown yellowish medium-fine SAND, trace Silt, trace fine Gravel [SP] | 6.5 |
| | S-4 | A | 6/8 | 8-7-7-14 | | |
| | S-5 | A | 8/10 | 7-11-11-13 | | |
| 10 | S-6 | A | 13/15 | 3-6-11-13 | Brownish yellow medium-fine GRAVEL and coarse-fine SAND, little Silt [GP-GM] | 10.4 |
| 15 | S-7 | A | 18/20 | 9-9-8-7 | | |
| 20 | S-8 | A | 23/25 | 9-8-10-10 | Brown yellow medium-fine SAND, little fine Gravel, trace Silt [SP] | 16.5 |
| 25 | | | | | | |

GROUNDWATER DATA
DEPTH: 0
EOB 9-9-96

* A. Standard Penetration Test (ASTM-D 1586) B. Standard Thin-walled 3" Tube (ASTM-D 1587) C. Core Drilling D. Auger Sample

Inspector: Driller: H. Doron Helper: J. Bleming Equipment: D-50-2

**LIPPINCOTT JACOBS & GOUDA**
One Pavilion Avenue Riverside, New Jersey 08075

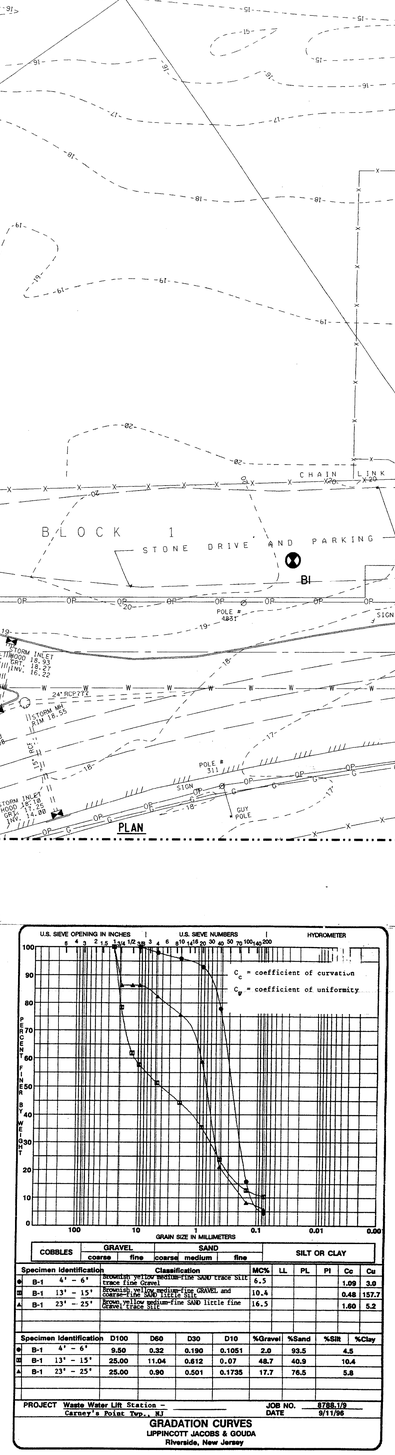
PROJECT NO. 8788.1/9 SHEET 2 OF 2
DATE September 9, 1996 SURFACE ELEV.
PROJECT Waste Water Lift Station CLIENT Foster Wheeler
LOCATION Carney's Point Twp., NJ LOG OF BORING NUMBER B-1

| DEPTH | SAMPLE NO. | TYPE * | SAMPLE DEPTH (ft) | BLOW COUNT (blows per 6 inches) | CLASSIFICATION OF MATERIALS (based on samples recovered plus observation of material retained between samples) | MOISTURE CONTENT (% by wgt.) |
|---|---|---|---|---|---|---|
| | S-9 | A | 28/30 | 17-15-14-17 | Pale brown coarse-fine SAND, little fine Gravel, trace Silt [SW] | |
| 30 | | | | | | |
| | S-10 | A | 33/35 | 20-25-24-21 | Pale brown coarse-fine SAND, little fine Gravel, little Silt [SW-SM] | 10.9 |
| 35 | | | | | | |
| | S-11 | A | 38/40 | 15-21-21-26 | Grey and yellowish SILTY CLAY, some fine Sand [CL] | 16.8 |
| 40 | | | | | | |
| | S-12 | A | 43/45 | 7-14-19-23 | Grey and red CLAY, little fine Sand [CL] | |
| 45 | | | | | | |
| | S-13 | A | 48/50 | 10-12-16-22 | Red CLAY, little fine Sand [CL] | |
| 50 | | | | | EOB 50' | |
| 55 | | | | | | |

GROUNDWATER DATA
DEPTH: 7'
EOB 9-9-96

* A. Standard Penetration Test (ASTM-D 1586) B. Standard Thin-walled 3" Tube (ASTM-D 1587) C. Core Drilling D. Auger Sample

Inspector: Driller: H. Doron Helper: J. Bleming Equipment: D-50-2

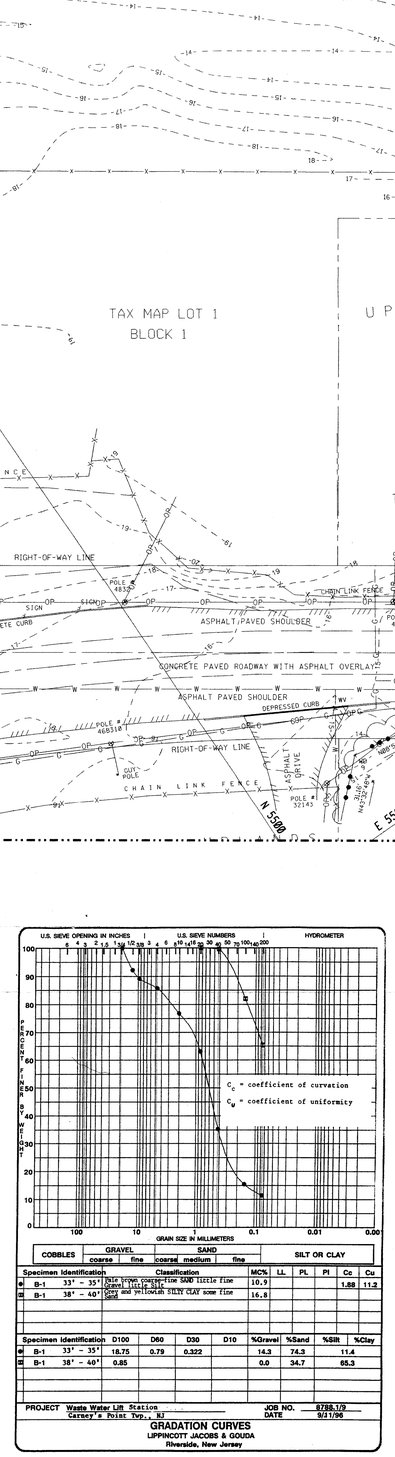



| Specimen Identification | | Classification | MC% | LL | PL | PI | Cc | Cu |
|---|---|---|---|---|---|---|---|---|
| ● | B-1 | 4' – 6' | Brownish yellow medium-fine SAND trace Silt trace fine Gravel | 6.5 | | | 1.09 | 3.0 |
| ■ | B-1 | 13' – 15' | Brownish yellow medium-fine GRAVEL and coarse-fine SAND little Silt | 10.4 | | | 0.48 | 157.7 |
| ▲ | B-1 | 23' – 25' | Brown yellow medium-fine SAND little fine Gravel trace Silt | 16.5 | | | 1.60 | 5.2 |

| Specimen Identification | | D100 | D60 | D30 | D10 | %Gravel | %Sand | %Silt | %Clay |
|---|---|---|---|---|---|---|---|---|---|
| ● | B-1 | 9.50 | 0.32 | 0.190 | 0.1051 | 2.0 | 93.5 | 4.5 | |
| ■ | B-1 | 25.00 | 11.04 | 0.612 | 0.07 | 48.7 | 40.9 | 10.4 | |
| ▲ | B-1 | 25.00 | 0.90 | 0.501 | 0.1735 | 17.7 | 76.5 | 5.8 | |

PROJECT Waste Water Lift Station – Carney's Point Twp., NJ JOB NO. 8788.1/9 DATE 9/11/96

**GRADATION CURVES**
LIPPINCOTT JACOBS & GOUDA
Riverside, New Jersey




| Specimen Identification | | Classification | MC% | LL | PL | PI | Cc | Cu |
|---|---|---|---|---|---|---|---|---|
| ● | B-1 | 33' – 35' | Pale brown coarse-fine SAND little fine Gravel little Silt | 10.9 | | | 1.88 | 11.2 |
| ■ | B-1 | 38' – 40' | Grey and yellowish SILTY CLAY some fine Sand | 16.8 | | | | |

| Specimen Identification | | D100 | D60 | D30 | D10 | %Gravel | %Sand | %Silt | %Clay |
|---|---|---|---|---|---|---|---|---|---|
| ● | B-1 | 18.75 | 0.79 | 0.322 | | 14.3 | 74.3 | 11.4 | |
| ■ | B-1 | 0.85 | | | | 0.0 | 34.7 | 65.3 | |

PROJECT Waste Water Lift Station – Carney's Point Twp., NJ JOB NO. 8788.1/9 DATE 9/11/96

**GRADATION CURVES**
LIPPINCOTT JACOBS & GOUDA
Riverside, New Jersey

HORIZONTAL SCALE
0 15 30 45 60 90
1"=30'

NJ013_0110

| SYMBOL | DESCRIPTION REVISIONS | DATE | APPROVED |
|---|---|---|---|
| | | | |

FOSTER WHEELER USA CORPORATION
PERRYVILLE CORPORATE PARK, CLINTON, N.J.

UNITED STATES ARMY GARRISON FORT DIX
DIRECTORATE OF PUBLIC WORKS
FORT DIX, NEW JERSEY 08640

| | |
|---|---|
| DRAWN | JJG |
| DESIGNED | WRL |
| CHECKED | JCM |
| FP&P DIV | |
| ENV DIV | |
| O & M DIV | |
| RECOMMENDED: CHIEF ENGINEERING PLANS & SERVICES | |
| APPROVED: REGIONAL DIRECTORATE OF PUBLIC WORKS | |

NEW WASTEWATER LIFT STATION AND FORCED MAIN
SIEVERS-SANDBERG US ARMY RESERVE CENTER
PEDRICKTOWN, NEW JERSEY

USING AGENCY: DOIM

SOIL BORING PLAN

SCALE: 1"=30' DATE: OCT. 25, 1996 PR. NR: GM-000036-5P

DRAWING NUMBER B-1

SHEET 3 OF 18

13-05-37389

Cad Rev No.07 17-SEP-96 cc37389p5:soilbore.dgn

ARMY1P