GENERAL NOTES

SAMPLE IDENTIFICATION

The Unified Soil Classification System is used to identify the soil unless otherwise noted.

SOIL PROPERTY SYMBOLS

- N: Standard "N" penetration; Blows per foot of a 140 pound hammer falling 30 inches on a 2 inch O.D. split-spoon.
- Qu: Unconfined compressive strength, TSF.
- Qp: Penetrometer value, unconfined compressive strength, TSF.
- Mc: Water content, %.
- LL: Liquid limit, %.
- PI: Plasticity index, %.
- Md: Manual dry density, PCF.
- ▽: Apparent groundwater level at time noted after completion.

DRILLING AND SAMPLING SYMBOLS

- SS: Split-Spoon - 1 3/8" I.D., 2" O.D., except where noted.
- ST: Shelby Tube - 3" O.D., except where noted.
- AU: Auger Sample.
- DB: Diamond Bit.
- CB: Carbide Bit.
- WS: Washed Sample.

RELATIVE DENSITY AND CONSISTENCY CLASSIFICATION

TERM (NON-COHESIVE SOILS)	STANDARD PENETRATION RESISTANCE
Very Loose	0 - 2
Loose	2 - 4
Slightly Compact	4 - 8
Medium Dense	8 - 15
Dense	15 - 25
Very Dense	Over 25

TERM (COHESIVE SOILS)	Q_u - (TSF)
Very Soft	0 - 0.25
Soft	0.25 - 0.50
Firm (Medium)	0.50 - 1.00
Stiff	1.00 - 2.00
Very Stiff	2.00 - 4.00
Hard	4.00+

PARTICLE SIZE

Boulders	8 in.+	Coarse Sand	2mm-0.8mm	Silt	0.074mm-0.005mm
Cobbles	8 in.-3 in.	Medium Sand	0.8mm-0.2mm	Clay	-0.005mm
Gravel	3 in.-2mm	Fine Sand	0.2mm-0.074mm		

BORING NO. B-1

ELEV.	DEPTH	BLOWS ON CASING	STANDARD PENETRATION	SAMPLE NUMBER	MOISTURE	COLOR	LABORATORY CLASSIFICATION OF SOIL
				AU-1	BR	BR	Moist, Sandy Loam
				SS-1			Moist, Fine Sand
	4'						Swift Rock
							Boring 1 Terminated
							Boring 1-A, OFFSET 4' North terminated at 4'0" Rock REFUSAL
	10						
							Boring 1-B, OFFSET 30' NORTH Terminated At 2'2" Rock REFUSAL
	20						
	30						
	40						
	50						
	60						

BORING NO. B-2

ELEV.	DEPTH	BLOWS ON CASING	STANDARD PENETRATION	SAMPLE NUMBER	MOISTURE	COLOR	LABORATORY CLASSIFICATION OF SOIL
				AU-1	BR.	BR.	Moist, Sandy, Loam
				AU-2	BR.	BR.	Sand, Silt
				AU-3			
							0'-2'2" Fill
				SS-1			8'3" soft Rock
	10						
							WET, Fine Sand & SILT
				SS-3			
							Boring Terminated At 12'-6"
							Ground water level recorded At 5'-6" After 15 minutes.
	20						
	30						
	40						
	50						
	60						

BORING NO. B-3

ELEV.	DEPTH	BLOWS ON CASING	STANDARD PENETRATION	SAMPLE NUMBER	MOISTURE	COLOR	LABORATORY CLASSIFICATION OF SOIL
						BR.	Topsoil 3"-14"
				S-1		BR.	14"-53" med. Sand
							53"-60" Clayey SILT w/ TRACE of SAND
	10						
							Standing water at 19"
							Terminated at 60"
	20						
	30						
	40						
	50						
	60						

BORING NO. B-4

ELEV.	DEPTH	BLOWS ON CASING	STANDARD PENETRATION	SAMPLE NUMBER	MOISTURE	COLOR	LABORATORY CLASSIFICATION OF SOIL
							0"-13" Topsoil
							13"-32" Clay Silt Loam Firm - Moist
							32"-45" Silty Clay w/ 20% Coarse Aggregate, Increasing gravel content with depth
	10						
							Terminated at 45"
	20						
	30						
	40						
	50						
	60						

SURVEYED BY		DATE
DRAWN BY		DATE
SQUAD LEADER		
DESIGN FILE NO.		
IPARM FILE		DATE PLOTTED
PROJ. NAME	Rutland Airport	
PROJ. NO.		
SHEET 36 OF 41 SHEETS		