



No.	Depth (ft)	SCREEN ANALYSIS FOR INDIVIDUAL SAMPLES (Square Openings)												WEIGHTED AVERAGE	DEPTH OF TEST PIT IN FEET	NATURE OF MATERIAL	LEGEND
		No. 10			No. 20			No. 40			No. 100						
		Retained	Passed	Weight	Retained	Passed	Weight	Retained	Passed	Weight	Retained	Passed	Weight				
45	9072.60																ROCK
46	074.130																GRAVEL
47	108.160																CLAY
48	200.100																ROCK
49	063.00																SAND
50	515.50																GRAVEL
51	560.60																ROCK
52	485.130																CLAY
53	9030.130																"
54	9034.40																SAND
55	377.25																GRAVEL
56	307.50																ROCK
57	316.25																"
58	303.25																"
59	446.30																"
60	5419.30																"
61	282.60																ROCK
62	243.30																CLAY
63	251.00																ROCK
64	280.20																GRAVEL
65	290.00																"
66	389.00																ROCK
67	237.00																"
68	225.15																SAND
69	225.80																ROCK
70	9163.50																"

DATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MINN.	FOSS-1(D)	14	36	

INDEX MAP

RECORD

Plan No. 3125
 Owner HENRY SCHWARTZ
 Address OSSEO, MINN.
 Description
 SW 1/4 Sec. 14 T. 48 N. R. 22
 Proposed Highway
 Well to be installed to take sand and/or gravel below water
 To what depth
 Hatched "A" 9.2 ml. to Sta. 1019+00 S.P. 0205-27
 Hatched "B" ml. to Sta. S.P.
 Hatched "C" ml. to Sta. S.P.
 Existing Road
 Type of Surface Condition
 "A"
 "B"
 "C"
 Designate condition as good, fair or poor
 Road to be Constructed from Pit to Public Highway
 Length Miles
 Estimated Cost \$

RECOMMENDATIONS

Recommended by
 Approved for installation
 Approved by

State of Minnesota
DEPARTMENT OF HIGHWAYS
 Report of Survey
 GRAVEL PIT NO. 3125
 MENNEPIN COUNTY
 Surveyed by E. J. TAMMERS
 Checked by C. T. VERBAUK Date JUNE 1945
 SHEET 2 OF 2 SHEETS

SHOW ON INDEX MAP.
 a. Location of pit
 b. Local roads
 c. Villages and cities
 d. Neighboring townships
 e. Proposed or existing Trunk Highways
 f. Existing roads and cartways
 g. Hatched sand and gravel deposits
 h. Railroads and water courses

SHOW ON TABLE OF TEST HOLE DATA.
 a. Surface elevation of test hole and depth of strapping in feet.
 b. Field analysis in 1% increments only recorded in field.
 c. Show material as found in test pit by observation in accordance with legend for respective materials.
 d. Table of tests and representative sample of overburden elevation of the original surface.
 e. Show samples from all tests containing clay and gravel. Take sufficient samples to represent different types of material encountered. Submit only the best sample for each test to laboratory.

SHOW ON PLAN.
 a. North point by arrow.
 b. Plan of pit, showing deflection angle and distance of all angles in the proposed boundary.
 c. Land lines and corners.
 d. Pit in plan with location given by angle and distance. Show the number test-holes 1, 2, 3, etc. Also indicate position on plan.
 e. Show base lines for survey. Where possible run base lines parallel to adjacent land line.
 f. Topography, including contours (if bank ground use of spot).
 g. Limits of existing open pit.

FIELD REMARKS.
 Estimated quantity of Gravel in Deposit
 Estimated quantity of Sand in Deposit
 Average amount retained on #20 screen
 Average amount between #20 and #40 screen

LEGEND
 Sand
 Gravel
 Clay
 Water
 Scale 1" = 100'