

-: REFERENCES :-

- (1) Ambraseys, N.N., 1963 "Cut off efficiency of grout curtains and slurry trenches". Proceeding Symposium on Grouts and Drilling Muds in Engineering Practice, Butterworth, London.
- (2) Andrews, D. C., 1970 " A review of structural diaphragm walls". Foundations on Interbedded Sands Proceedings of Symposium held in Perth.
- (3) Anon, (1967). "The effect of bentonite on the bond between steel reinforcement and concrete." C.I.R.I.A. Intrin Res.Rep. 9, September.
- (4) Anon, (1968) "Largest diaphragm wall contract in Europe at Seaforth Dock". Ground Engineering, Vol. I. No.6, Pp.15-16
- (5) Anon, (1969). "Structural diaphragm walls". Consulting Engineers, Supplement June.
- (6) Anon, 1971. "The Panosol Process, diaphragm walling with precast panel elements", Ground Engineering September.
- (7) Anon, 1972. "Plastic concrete diaphragm to stop leaks in Welsh Dam", Concrete Journal, 23 march.
- (8) Anon, 1973 " A novel diaphragm wall", Consulting Engineers, May.

(2)

- (9) Anon, (1973) "Specifications forecast in place concrete diaphragm walling". Federation of Piling Specialist, London.
- (10) Arthur, J.R.F., and Roscoe, K.H. 1961, "An earth pressure cell for the measurement of normal and shear stress".
Civil Engineering and Public Works Review, Vol. 56 No.659,
765-770.
- (11) Boyes, R. G. H. 1975. "The versatility of Diaphragm walling",
"Civil Engineering" December p.57.
- (12) Boyes, R.G.H. 1975. "Structural and Cut off Diaphragm Walls"
Applied Science Publishers Ltd. London.
- (13) Berthier, R. (1969) "Precast diaphragm walls". Speciality
session No.14. Cast in-situ diaphragm walls. Proceeding 7th
International Conference on Soil Mechanics and Foundation
Engineering.
- (14) Boroms, B. B. and Ingleson, I 1971. "Earth pressure against
the abutments of a rigid frame bridge". Geotechnique, Vol.21,
No.1, 15-28.
- (15) Brown, S. F., and Spell, P.S., 1971, "Subgrade stress and
deformation under dynamic load," Proceedings, American Society
of Civil Engineers, Vol. 93, No.SM1, 17-46.
- (16) Carlson, R. W. and Pritz, D., 1951, "Development of a device
for the direct measurement of compressive stress," Journal,
American Concrete Institute.

(3)

- (17) Casagrande, A. 1969 "Treatment of Pervious Foundations of great depth", Discussion Session 3, VII International Conference on Soil Mechanics and Foundation Engineering Mexico.
- (18) Christian, John T., and Bochmer, Z., (1970) "Plane Strain consolidation by Finite Element Method". ASCE, Journal of Soil Mechanics and Foundation Engineering Vol.96.
- (19) Colas Des Francs, E. (1975). "Prefasif prefabricated diaphragm walls." Diaphragm walls and Anchorages, Proc. of Inst. of Civil Engineers, September, 1974.
- (20) Cooling, L. F. 1962, "Field measurement in Soil Mechanics". Geotechnique Vol.12, No.2, 75-104.
- (21) Courtelle, G. (1969). "The stabilizing action of thixotropic suspension on the walls of the trenches." Speciality Session No.14 - Cost in-situ Diaphragm Walls. Proceeding 7th International Conference on Soil Mechanics and Foundation Engineering.
- (22) Desai, C. S. and Abel, J.F. (1972). Introduction to the Finite Element Method". Van Nostrand Reinhold Publication, New York.
- (23) Elson, W. K. 1968. "An experimental investigation of the Stability of slurry trenches,". Geotechnique, Vol.18, No.1, pp 37-49.

(4)

- (24) Federation of Piling Specialists (1973) "Specification for cast in place concrete diaphragm walling. Federation of Piling Specialist, London.
- (25) Forbes, D. J., et al. 1973 "Concrete Diaphragm Wall, Bighorn Dam, Canada". Translation of 11th International Congress on Large Dams, Madrid.
- (26) Fuchsberger, M. 1974. "Some Practical Aspects of Diaphragm Wall Construction", Diaphragm Wall and Anchorages, Conference Organized by the Institute of Civil Engineers at London, 18-20 September, R.57.
- (27) Gerwick, B.C. (1967). "Slurry-trench techniques for diaphragm walls in deep foundation construction". Civil Engineering (N.Y.) Vol.37, No.12, pp 70-72.
- (28) Gere, J. M. and Weaver, W. Jr. (1965) "Matrix Algebra for Engineers". Van Nostrand Reinhold company, New York.
- (29) Hammad, H. Y. 1963 "Seepage Under Dams". A.S.C.E., Journal of Soil Mechanics and Foundation Engineering Division, July.
- (30) Hetenyi M. (1946) "Beams On Elastic Foundations". The University of Michigan Press, Ann Arbor p.255.
- (31) James, E. L. and Jack, H.J. (1975) "A design study of diaphragm walls". Diaphragm walling and Anchorages, Proc. of Inst. of Civil Engineers, September, 1974.

(5)

- (32) Jones, J.C. (1967) - "Deep cut-offs in pervious alluvium combining slurry trenches and grouting". Proceeding of 9th International Congress on Large Dams, Vol.1, pp.509-524.
- (33) Little John, G. S. 1970. "A Soil Anchors". Proceeding Conference on Ground Engineering, Institute of Civil Engineers, London.
- (34) Little John, G. S. and Jack B. J., 1971-2. "Anchored Diaphragm Walls in Sand, some design and construction considerations", Ground Engineering, Institute of Civil Engineers, London.
- (35) Marshal, R. J. and Rendiz Deniel 1971. "Effectiveness of cut offs in earth foundations and abutments of dams". Proceeding 4th Pan American Conference San Juan Vol.I.
- (36) Morgenstern, N. R. and Amir-Tahmasseb, 1965. "The Stability of slurry trench in cohesionless soils". Geotechnique Vol.XV, No.4 December, P.387.
- (37) Perry, C. C. and Lissner, H. R. (1962). "The Strain Gauge Primer." Mc Graw-Hill Book Company, Inc. New York.
- (38) Phillips, S. H. E. and E. L. James (1974). "An Inclinator for measuring the deformation of buried structures with reference to multi tied Diaphragm walls". Field Instrumentation in Geotechnical Engineering, B. G. S. 359-369.
- (39) Piakowski, A. and Kowalewski, Z. 1965. "Application of thixotropic clay suspension for stability of vertical sides of

~~(40)~~ of deep trenches without strutting." Proceeding 6th International Conference on Soil Mechanics and Foundation Engineering, Toronto.

- (40) Popov, E. P. (1951) Successive Approximation for Beams on Elastic foundations. Transaction A.S.C.E. 116 pp. 1083-1108.
- (41) Sadleir, N. A., and Dominion, G. C. 1963. "Underground Structural Concrete Walls", Proceeding Symposium on Grouts and Drilling Muds in Engineering Practice, Butterworth, London.
- (42) Shastri S.T. (1972). "Cost analysis of diaphragm walls v/s open cut off Trench". Deputy Engineers Journal (P.W.D.)
- (43) Sole tanche Enterprize - Hand Book.
- (44) Terzaghi, K, and Peek, R. B. (1967). "Soil Mechanics in Engineering Practice." John Wiley and Sons, New York, Second Edition.
- (45) Thomas, H. S.H., and Ward, W.H., 1969. "The design construction and performance of a vibrating-wire earth pressure cell." Geotechnique, Vol. 19, No. 1, 39-51.
- (46) Tory, A. C. and Sparrow, R.W. (1967). "The influence of diaphragm flexibility on the performance of an earth pressure cell." Journ. Scientific Inst. 44 : 781-785.
- (47) Uff, J. F. (1969). "In situ measurements of earth pressure for a quay wall at seaforth Liverpool. Proc. Conf. on In situ Testing of soils, London, I.C.E. - Paper 18.

(7)

- (48) U S Waterways Experiment Station (1944). "Soil Pressure cell investigation." Technical Memorandum No.210-1. Waterways Experiment Station, Vicksburg, Miss.
- (49) Veder, C. 1961, "An investigation of the electrical phenomena at the area of contact between bentonite and cohesionless material". Proceeding 5th International Conference on Soil Mechanics and Foundation Engineering.
- (50) Veder C. 1963. "Excavation of trenches in the presence of bentonite suspension for the construction of Impermeable and load bearing diaphragms." Proceeding Symposium on Grounds and Drilling Muds in Engineering Practice, Butterworth, London.
- (51) Veder, C., and Kienberger, H. 1969. "Behaviour of concrete poured under bentonite suspension." 7th International Conference on Soil Mechanics and Foundation Engineering, Mexico.
- (52) Vesic, A. B. (1961). "Beams on Elastic Subgrade and Winkler's Hypothesis." Proceeding 5th International Conference on Soil Mechanics and Foundation Engineering, Paris, pp.845-850.
- (53) Williams, J.W. (1959), "Tremie Concrete Controlled with admixtures". Journ. of Amer. Conc. Inst. February.
