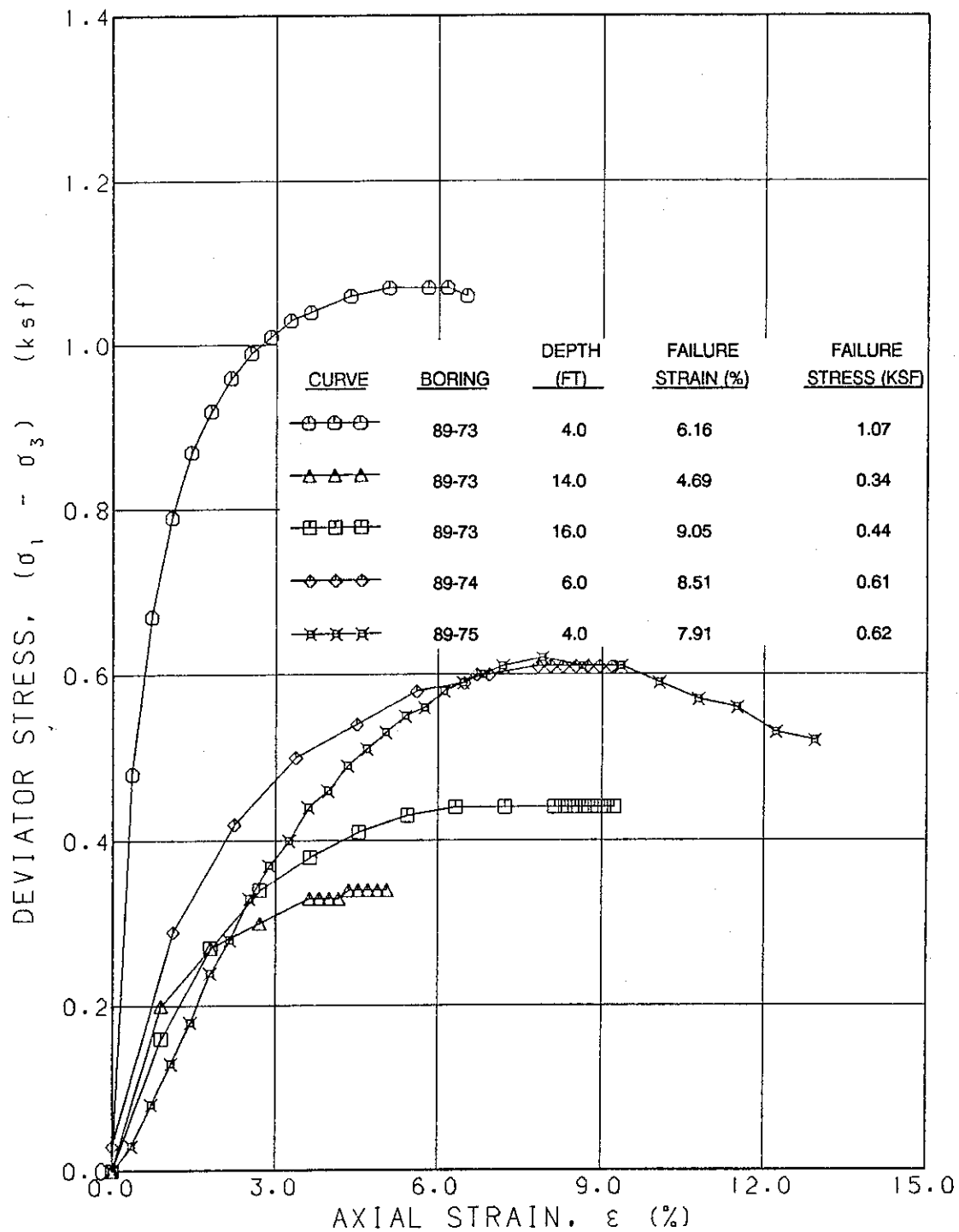


BORING NUMBER	SAMPLE NUMBER/TYPE	SAMPLE DEPTH (FT)	VISUAL CLASSIFICATION	UNIFIED SOIL CLASSIFICATION	MOISTURE CONTENT (%)	UNIT DRY WEIGHT (PCF)	SPECIFIC GRAVITY OF SOLIDS	LIQUID LIMIT	PLASTIC LIMIT	BAR LINEAR SHRINKAGE (%)	PERCENT FINER BY WEIGHT (ABBREVIATED MECHANICAL SIEVE ANALYSIS)					COMPLETE MECHANICAL ANALYSIS	HYDROMETER ANALYSIS	STANDARD COMPACTION TEST	MODIFIED COMPACTION TEST	UNDRAINED SHEAR STRENGTH (KSF)*	TORSION SHEAR (KSF)
											3/8"	#4	#10	#40	#200						
89-73	1Q	0-2	Stiff brown clay	CH	45																1.1
	2Q	2-4	Firm brown clay w/ roots and ferrous nodules and sand pockets	CH	51	75		67	27	4					100					0.5	0.6
	3J	4.5-6	Brown clayey fine sand	SC							100	98	97	95	34						
	4J	8.5-10	Brown clay w/ sand seams and pockets	CH	51																
	5J	10-12	Brown clay w/ sand pockets	CH	44										100	97	55				
	6Q	12-14	Very soft brown clay with sand pockets	CH	41	70		87	22	15	100	98	97	93	61					0.2	0.2
	7Q	14-16	Very soft olive gray silty clay w/ shell fragments	CL	36	87		36	16	20		100	99	95	68					0.2	0.2
	8Q	18-20	Soft brown clay w/ numerous sandy-silt pockets and shell fragments	CL	31																0.3
	9J	20-22	Brown silty fine sand	SM							100	99	99	99	15						
	10J	23.5-25	Brown silty fine sand	SM																	
89-74	1J	0-0.5	Stiff brown clay	CH	33																
	2J	0.5-2	Brown silty clay w/ silt seams and pockets	CL	27			30	18	22											
	3J	2.5-4	Brown clay	CH	38																
	4Q	4-6	Soft dark brown clay, laminated w/ sand and silt seams, w/ ferrous nodules	CH	55	72		56	21	25					100	82				0.3	0.4
	5J	7.5-9	Red silty fine sand	SM																	
	6J	13-15	Gray sandy-clay w/ shell fragments	CL	33			36	15	21		100	98	95	61						
	7J	15-17	olive gray clay w/ sand pockets	CH	38																
	8J	19-21	Brown clayey-sand w/ roots	SC	31										100	99	49				
	9J	21.5-23	Brown silty fine sand	SM											100	20					
	10J	23.5-25	Tan silty fine sand w/ clay pockets.	SM																	

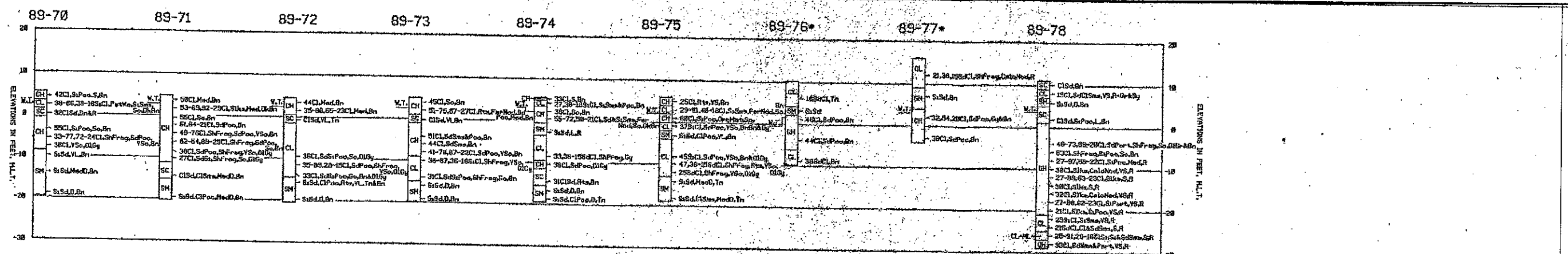
*Based on Unconfined Compression Test Results

SUMMARY OF TEST RESULTS

Disposal Area No. 3
Mouth of Colorado River Project
Matagorda, Texas



STRESS-STRAIN CURVES
UNCONFINED COMPRESSION TEST
BORINGS 89-73,
89-74, AND 89-75



LOGS OF BORINGS
DISPOSAL AREA NO. 3

NOTES:

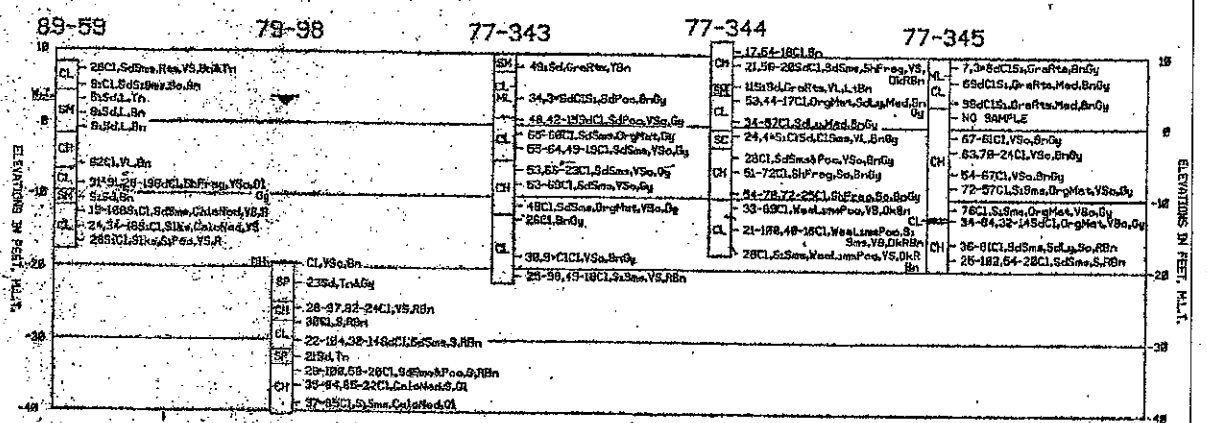
1. SOILS HAVE BEEN CLASSIFIED IN ACCORDANCE WITH MILITARY STANDARD 883B "UNITED SOIL CLASSIFICATION SYSTEM FOR ROADS, AIRFIELDS, EMBANKMENTS, AND FOUNDATIONS." CONSISTENCY OF SOILS SUCH AS SOFT, MEDIAL, HARD, LOOSE, DENSE, ETC., ARE RELATIVE TERMS BASED ON ESTIMATED UNSATURATED SUCAR STRENGTH OF THE MATERIAL AS DETERMINED BY VISUAL CLASSIFICATION, POCKET PENETROMETER TESTS AND PENETRATION RESISTANCE DURING SAMPLING.
2. FIGURES TO THE RIGHT OF BORING LOGS ARE WATER CONTENTS IN PERCENT OF THE DRY WEIGHT, DRY DENSITY, LIQUID LIMIT, PLASTIC LIMIT, AND BAR LINEAR SHIRADISE. (U-40-10-1-PL-11-1)
3. BORINGS 89-59 THRU 89-62, 89-70 THRU 89-75 89-78, 79-58, 77-343 THRU 77-345, AND 79-95 THRU 79-97, WERE DRILLED USING ROTARY DRILLING TECHNIQUES AND UNDISTURBED SAMPLES WERE RECOVERED WITH A 3-INCH DIAMETER THIN WALL SAMPLER WHERE COHESIVE MATERIALS WERE ENCOUNTERED, WHERE COHESIONLESS MATERIALS WERE ENCOUNTERED, 89-65, 89-66, 89-67, 89-68, 89-69, 89-70, 89-71, 89-72, 89-73, 89-74, 89-75, 89-76, 89-77, 89-78, 89-79, 89-80, 89-81, 89-82, 89-83, 89-84, 89-85, 89-86, 89-87, 89-88, 89-89, 89-90, 89-91, 89-92, 89-93, 89-94, 89-95, 89-96, 89-97, 89-98, 89-99, 89-100, 89-101, 89-102, 89-103, 89-104, 89-105, 89-106, 89-107, 89-108, 89-109, 89-110, 89-111, 89-112, 89-113, 89-114, 89-115, 89-116, 89-117, 89-118, 89-119, 89-120, 89-121, 89-122, 89-123, 89-124, 89-125, 89-126, 89-127, 89-128, 89-129, 89-130, 89-131, 89-132, 89-133, 89-134, 89-135, 89-136, 89-137, 89-138, 89-139, 89-140, 89-141, 89-142, 89-143, 89-144, 89-145, 89-146, 89-147, 89-148, 89-149, 89-150, 89-151, 89-152, 89-153, 89-154, 89-155, 89-156, 89-157, 89-158, 89-159, 89-160, 89-161, 89-162, 89-163, 89-164, 89-165, 89-166, 89-167, 89-168, 89-169, 89-170, 89-171, 89-172, 89-173, 89-174, 89-175, 89-176, 89-177, 89-178, 89-179, 89-180, 89-181, 89-182, 89-183, 89-184, 89-185, 89-186, 89-187, 89-188, 89-189, 89-190, 89-191, 89-192, 89-193, 89-194, 89-195, 89-196, 89-197, 89-198, 89-199, 89-200, 89-201, 89-202, 89-203, 89-204, 89-205, 89-206, 89-207, 89-208, 89-209, 89-210, 89-211, 89-212, 89-213, 89-214, 89-215, 89-216, 89-217, 89-218, 89-219, 89-220, 89-221, 89-222, 89-223, 89-224, 89-225, 89-226, 89-227, 89-228, 89-229, 89-230, 89-231, 89-232, 89-233, 89-234, 89-235, 89-236, 89-237, 89-238, 89-239, 89-240, 89-241, 89-242, 89-243, 89-244, 89-245, 89-246, 89-247, 89-248, 89-249, 89-250, 89-251, 89-252, 89-253, 89-254, 89-255, 89-256, 89-257, 89-258, 89-259, 89-260, 89-261, 89-262, 89-263, 89-264, 89-265, 89-266, 89-267, 89-268, 89-269, 89-270, 89-271, 89-272, 89-273, 89-274, 89-275, 89-276, 89-277, 89-278, 89-279, 89-280, 89-281, 89-282, 89-283, 89-284, 89-285, 89-286, 89-287, 89-288, 89-289, 89-290, 89-291, 89-292, 89-293, 89-294, 89-295, 89-296, 89-297, 89-298, 89-299, 89-300, 89-301, 89-302, 89-303, 89-304, 89-305, 89-306, 89-307, 89-308, 89-309, 89-310, 89-311, 89-312, 89-313, 89-314, 89-315, 89-316, 89-317, 89-318, 89-319, 89-320, 89-321, 89-322, 89-323, 89-324, 89-325, 89-326, 89-327, 89-328, 89-329, 89-330, 89-331, 89-332, 89-333, 89-334, 89-335, 89-336, 89-337, 89-338, 89-339, 89-340, 89-341, 89-342, 89-343, 89-344, 89-345, 89-346, 89-347, 89-348, 89-349, 89-350, 89-351, 89-352, 89-353, 89-354, 89-355, 89-356, 89-357, 89-358, 89-359, 89-360, 89-361, 89-362, 89-363, 89-364, 89-365, 89-366, 89-367, 89-368, 89-369, 89-370, 89-371, 89-372, 89-373, 89-374, 89-375, 89-376, 89-377, 89-378, 89-379, 89-380, 89-381, 89-382, 89-383, 89-384, 89-385, 89-386, 89-387, 89-388, 89-389, 89-390, 89-391, 89-392, 89-393, 89-394, 89-395, 89-396, 89-397, 89-398, 89-399, 89-400, 89-401, 89-402, 89-403, 89-404, 89-405, 89-406, 89-407, 89-408, 89-409, 89-410, 89-411, 89-412, 89-413, 89-414, 89-415, 89-416, 89-417, 89-418, 89-419, 89-420, 89-421, 89-422, 89-423, 89-424, 89-425, 89-426, 89-427, 89-428, 89-429, 89-430, 89-431, 89-432, 89-433, 89-434, 89-435, 89-436, 89-437, 89-438, 89-439, 89-440, 89-441, 89-442, 89-443, 89-444, 89-445, 89-446, 89-447, 89-448, 89-449, 89-450, 89-451, 89-452, 89-453, 89-454, 89-455, 89-456, 89-457, 89-458, 89-459, 89-460, 89-461, 89-462, 89-463, 89-464, 89-465, 89-466, 89-467, 89-468, 89-469, 89-470, 89-471, 89-472, 89-473, 89-474, 89-475, 89-476, 89-477, 89-478, 89-479, 89-480, 89-481, 89-482, 89-483, 89-484, 89-485, 89-486, 89-487, 89-488, 89-489, 89-490, 89-491, 89-492, 89-493, 89-494, 89-495, 89-496, 89-497, 89-498, 89-499, 89-500, 89-501, 89-502, 89-503, 89-504, 89-505, 89-506, 89-507, 89-508, 89-509, 89-510, 89-511, 89-512, 89-513, 89-514, 89-515, 89-516, 89-517, 89-518, 89-519, 89-520, 89-521, 89-522, 89-523, 89-524, 89-525, 89-526, 89-527, 89-528, 89-529, 89-530, 89-531, 89-532, 89-533, 89-534, 89-535,

VISUAL CLASSIFICATIONS

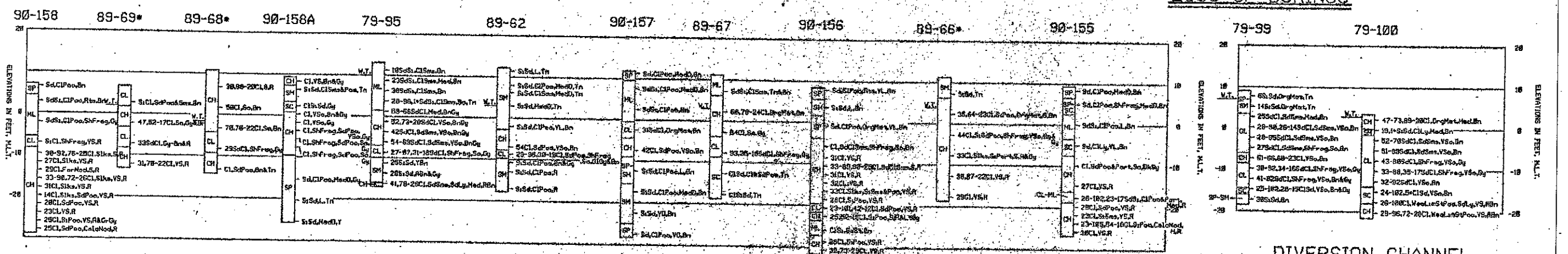
Bn Brownish	Ol Olive
Cl Claylike	Or Organic
Col Coliculous	Part Parthoidal
O Benas	Part Petroleum
Des Deyposed	Poa Pooctical
Dep Depositional	R Rhythmic
Ok Dark	Rh Rhoetic
For Ferrous	S Stiff
Frag Fragmental	Sd Sandily
Gr Greenish	Sh Shekly
Gr Grass	Sl Silty
Gy Grayish	Ske Silkened
L Loose	Snd Sndous
Leay Leayes	So Soft
Linn Linenates	Tn Tantal
Lt Light	V Vandy
Ly Lyeal	Wg Waste
Mt Mordant	Wo Woodend
Med Medial	Yd Yodhered
Mod Modine	Y Yelowish

LABORATORY CLASSIFICATION

SP POORLY-GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES.
SM SILT SANDS, SAND-SILT MIXTURES.
CL INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS.
CL INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, LEAN CLAYS.
ML INORGANIC SILTS AND VERY FINE SANDS, WITH SLIGHT PLASTICITY.
SC CLAYEY SANDS, SAND-SILT MIXTURES.
PT PEAT AND OTHER HIGHLY ORGANIC SOILS.

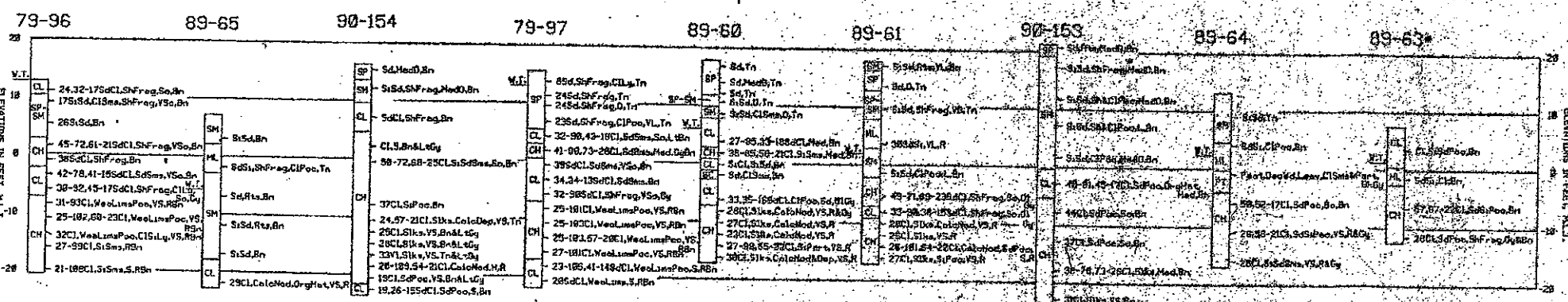


DIVERSION DAM
LOGS OF BORINGS



DIVERSION CHANNEL
LOGS OF BORINGS

NOTE: APPROXIMATE MAXIMUM DEPTH OF PREVIOUS DREDGING IS TO EL. -2.0 M.L.T.



CONNECTING CHANNEL
LOGS OF BORINGS

[illegible]