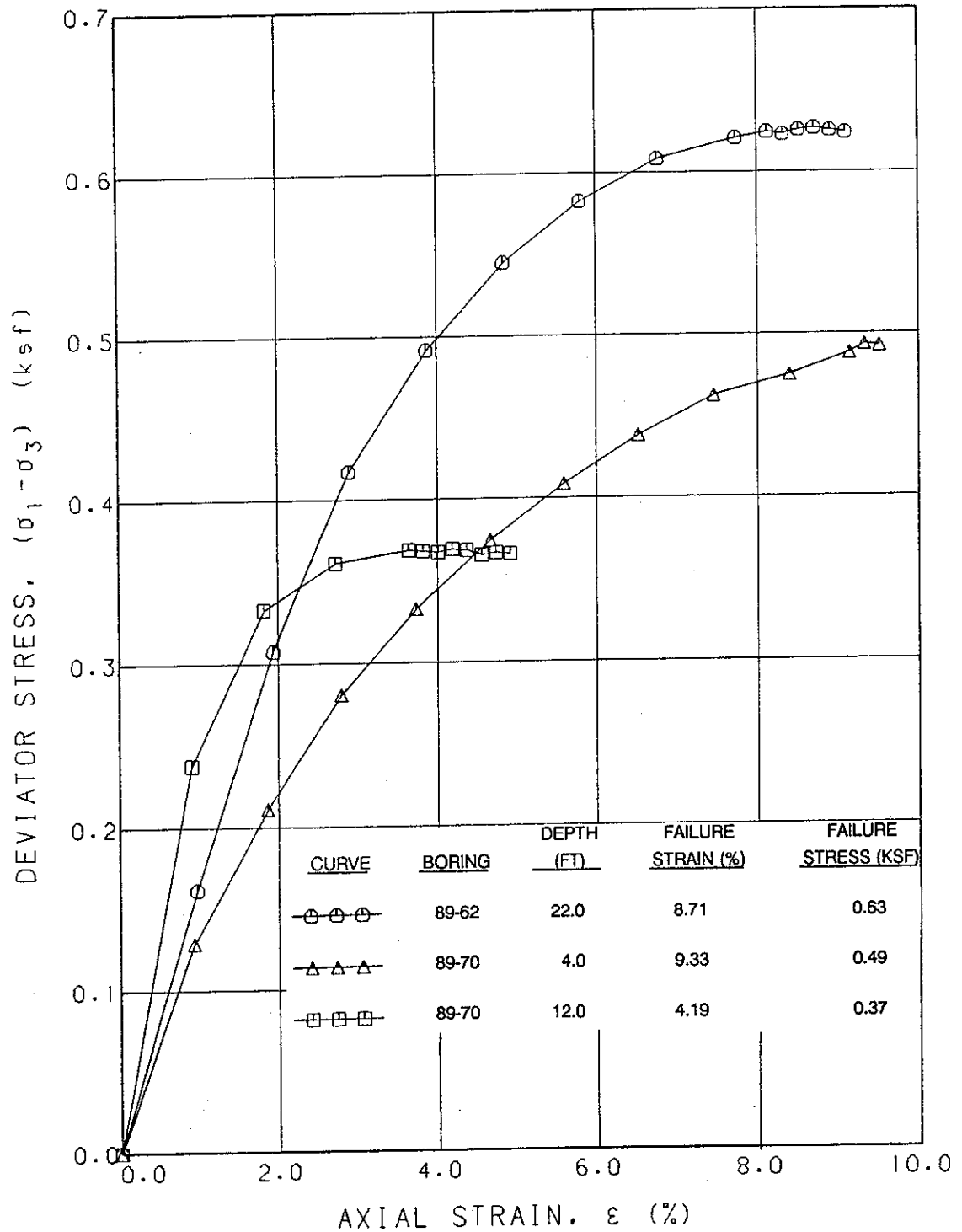


BORING NUMBER	SAMPLE NUMBER/TYPE	SAMPLE DEPTH (FT)	VISUAL CLASSIFICATION	UNIFIED SOIL CLASSIFICATION	MOISTURE CONTENT (%)	UNIT DRY WEIGHT (PCF)	SPECIFIC GRAVITY OF SOLIDS	LIQUID LIMIT	PLASTIC LIMIT	BAR LINEAR SHRINKAGE (%)	PERCENT FINER BY WEIGHT (ABBEVIATED MECHANICAL SIEVE ANALYSIS)					COMPLETE MECHANICAL ANALYSIS	HYDROMETER ANALYSIS	STANDARD COMPACTION TEST	MODIFIED COMPACTION TEST	UNDRAINED SHEAR STRENGTH(KSF)*	TORVANE SHEAR (KSF)
											3/8"	#4	#10	#40	#200						
89-68	1J	3-5	Stiff red clay	CH	30			66	20												
	2J	8-10	Soft brown clay	CH	50																
	3J	13-15	Soft brown clay	CH	70			76	22												
	4J	18-20	Gray sandy-clay w/ shell fragments	CL	29																
	5J	23-25	Brown and tan clay w/ sand pockets	CH																	
89-69	1J	3-5	Brown silty-clay w/ sand pockets and seams	CL										100	61						
	2J	8-10	Soft gray and brown clay	CH	47			52	17				100	99	74						
	3J	13-15	Gray brown and red sandy-clay	CL	33																
	4J	18-20	Very stiff red clay	CH	31			70	22												
89-70	1Q	0-2	Stiff brown clay w/ silt pockets	CH	42																
	2Q	2-4	Soft dark brown silty-clay w/ ferrous and petrowaste and silty seams	CL	38	86		38	16				100	99	96					0.3	0.3
	3J	4.5-6	Brown and red clayey-sand and free water.	SC	32								100	99	38						
	4Q	8-10	Soft brown clay w/ silt pockets	CH	55																0.3
	5Q	10-12	Very soft brown clay w/ shell fragments and sand pockets	CH	33	77		72	24				100	96	70					0.2	0.2
	6Q	12-14	Very soft olive gray clay	CH	36																0.2
	7J	14.5-16	Brown silty fine sand	SM										100	50						
	8J	18.5-20	Brown silty fine sand	SM																	
	9J	23.5-25	Brown silty fine sand	SM																	

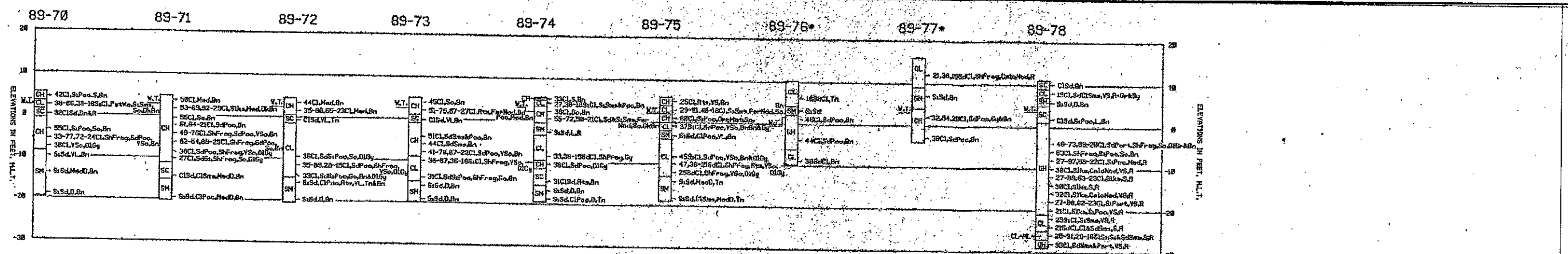
*Based on Unconfined Compression Test Results

SUMMARY OF TEST RESULTS

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



STRESS-STRAIN CURVES
UNCONFINED COMPRESSION TEST
BORINGS 89-62
AND 89-70



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 SUCR 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

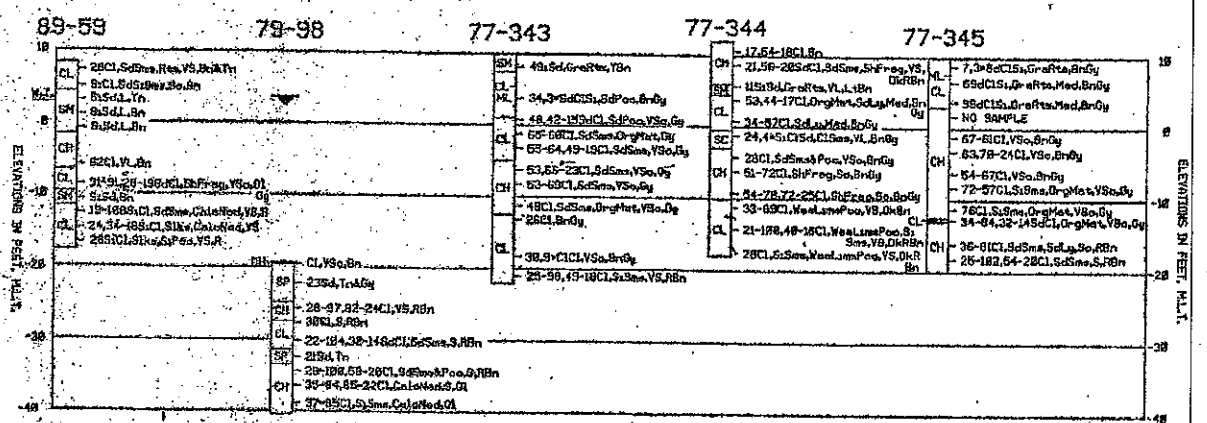
Bn Brownish	Ol Olive
Cl Claylike	Or Organic
Col Coliculous	Part Parthoid
P Benas	Part Petroleum
Des Dreyed	Poa Pooctical
Dep Depoptal	R Rachtal
Ok Dark	Rht Rachtal
Far Ferrous	S Stiff
Frag Fragmental	Sd Sandyl
Gr Greenish	Sh Shekly
Gr Grass	Sl Silty
Gy Grayish	Ske Silkened
L Loose	Snd Sndous
Leay Leayus	So Soft
Linn Linerent	Tn Tantal
Lt Light	V Vandy
Ly Luyenal	Wg Waste
Mt Mordent	Wo Woodent
Med Medant	Yd Yotowent
Mod Modale	

LOGS OF BORINGS
DISPOSAL AREA NO. 3

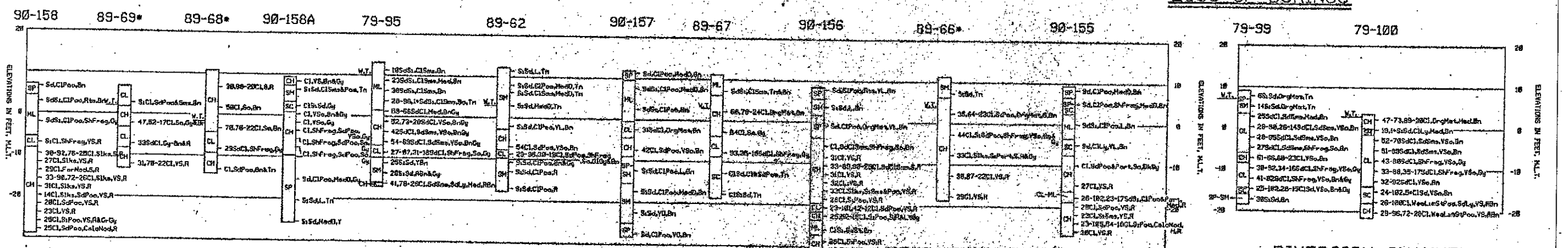
NOTE : * INDICATES AUGER BORINGS.

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.

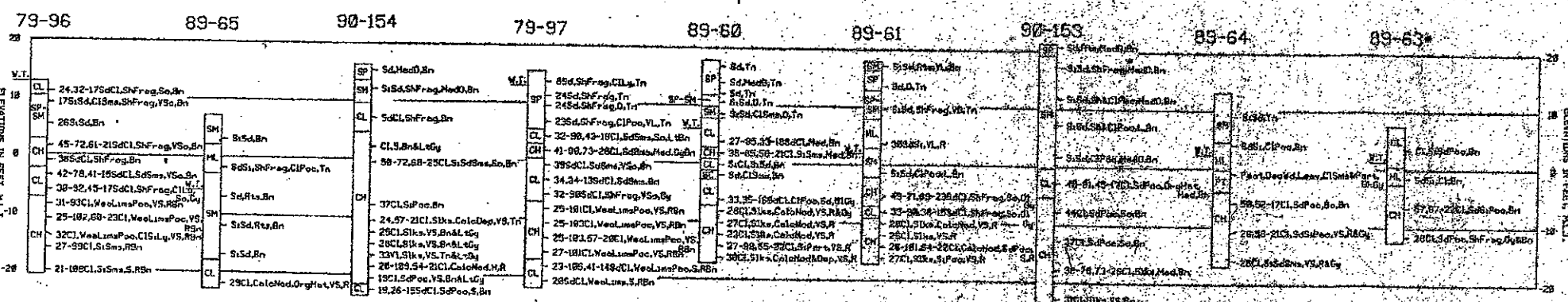


DIVERSION DAM
LOGS OF BORINGS



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]