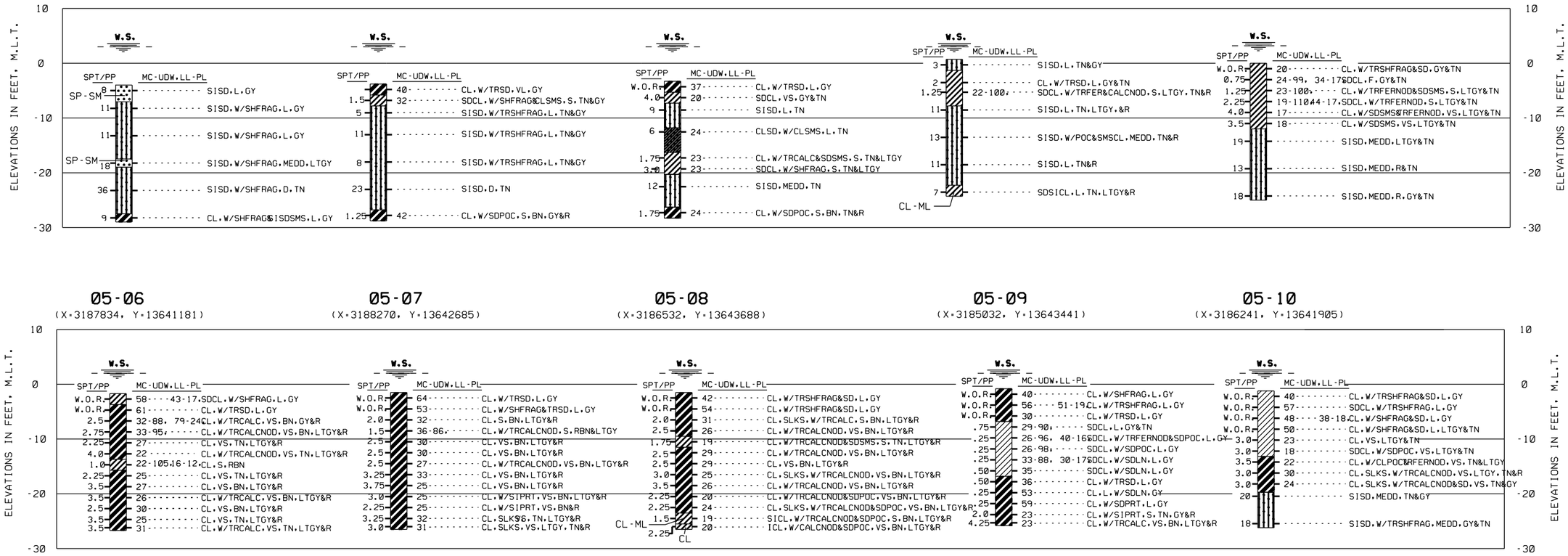

NOTES:

1. SOILS HAVE BEEN CLASSIFIED IN ACCORDANCE WITH ASTM 2487-93 "CLASSIFICATION OF SOILS FOR ENGINEERING PURPOSES (UNIFIED SOILS CLASSIFICATION SYSTEM)". CONSISTENCY OF SOILS SUCH AS SOFT, MEDIUM, FIRM, STIFF, LOOSE, DENSE, ETC., ARERELATIVE TERMS BASED ON ESTIMATED UNDISTURBED SHEAR STRENGTH OF THE MATERIAL AS DETERMINED BY VISUAL CLASSIFICATIONS, POCKET PENETROMETER TESTS AND PENETRATION RESISTANCE DURING SAMPLING.

2. NUMBERS TO THE RIGHT OF BORING LOGS ARE WATER CONTENTS IN PERCENT OF THE DRY UNIT WEIGHT, LIQUID LIMIT AND PLASTIC LIMIT (MC-UDW AND LL-PL). FIGURES TO THE LEFT OF BORING LOGS EXPRESSED IN WHOLE NUMBERS REPRESENT THE STANDARD PENETRATION TESTING (SPT) IN BLOWS PER FOOT. FIGURES TO THE LEFT OF BORING LOGS EXPRESSED IN NUMBERS CONTAINING A DECIMAL POINT REPRESENT POCKET PENTROMETER (PP) READINGS TAKEN IN UNITS OF TONS PER SQUARE FOOT.

3. BORINGS WERE DRILLED USING WET 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, DISTURBED SAMPLES WERE TAKEN WITH A SPLIT SPOON SAMPLER DURING PERFORMANCE OF STANDARD PENETRATION TESTING.

4. WATER TABLE LEVELS SHOWN ON BORING LOGS WERE DETERMINED AFTER DRILLING BORINGS BY MEASURING THE TOP OF FLUID LEVELS IN THE BORINGS. INASMUCH AS WET ROTARY DRILLING TECHNIQUES AND DRILLING MUD WERE USED TO DRILL THE HOLES, THE LEVEL OF DRILLING FLUIDS IN THE BORE HOLES MAY NOT HAVE STABILIZED TO THE LEVEL OF THE ACTUAL WATER TABLE. ADDITIONALLY, WATER TABLES IN THE FIELD ARE LIKELY TO FLUCTUATE DEPENDING ON WEATHER CONDITIONS, SEASON, AND OTHER ENVIRONMENTAL FACTORS. THEREFORE, SOME VARIATION SHOULD BE ANTICIPATED BETWEEN WATER TABLES INDICATED AND WATER TABLES ENCOUNTERED IN THE FIELD.

5. SOIL BORING ELEVATIONS ARE AS SHOWN ABOVE. SOIL BORING COORDINATES ARE REFERENCED TO THE TEXAS STATE PLANE, SOUTH CENTRAL ZONE, NAD 83, IN FEET.

VISUAL CLASSIFICATIONS:

BL BLACK	NOD NODULES
BN BROWN(ISH)	OL OLIVE
CALC CALCAREOUS	POC POCKET(S)
CL CLAY(EY)	PRT PARTING(S)
D-ODR DISTINCT ODOR	R RED(DISH)
D DENSE	RTS ROOT(S)
DB DEBRIS	S STIFF
DK DARK	SD SAND(Y)
FER FERROUS	SH SHELL(Y)
FL FILL	SI SILT(Y)
FRAG FRAGMENT(S)	SLKS SLICKEN SIDES
F FIRM	SMS SEAMS
GY GRAY(ISH)	SO SOFT
H HARD	TN TAN(NISH)
L LOOSE	TR TRACE(S)
LN LENSE(S)	V VERY
LY LAYER(S)	W WITH
LT LIGHT	W.O.H. WEIGHT OF HAMMER
MAT MATERIAL	W.O.P. WEIGHT OF PIPE
MED MEDIUM	W.O.R. WEIGHT OF ROD
N.REC NO RECOVERY	W.S. WATER SURFACE
	W.T. WATER TABLE

LABORATORY CLASSIFICATIONS:

CH 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-CLAY MIXTURES.

SM SILTY SANDS, SAND-SILT MIXTURES.

SP POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES.

INVITATION NO. W912HY-05-B-00

US Army Corps of Engineers
Galveston District

Rev.	Description	Date	By

BY:$USER$ DATE:$DATE$ TIME:$TIME$

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Checked by: C.D.T.
Submitted by: MOHAMED M. MOUSSA, P.E. Coast. Geotech/Studies Section
Approval Recommended: DAVID B. CAMPBELL, P.E. Chief, Engineering Branch
Approved by: JERRY F. BAUTISTA, P.E. Chief, Engineering and Construction Division

U.S. ARMY ENGINEER DISTRICT, GALVESTON
CORPS OF ENGINEERS
GALVESTON, TEXAS

PREPARED UNDER THE DIRECTION OF
STEVEN P. HAUSTEN, COL, C.E.,
DISTRICT ENGINEER

GULF INTRACOASTAL WATERWAY, TEXAS
CHOCOLATE BAY
CONSTRUCTION OF BENEFICIAL USE SITES

LOGS OF BORINGS

Drawing No.:
F-6
Sheet 7 of 7

File: $FILE$

File No. IWW 1125-127