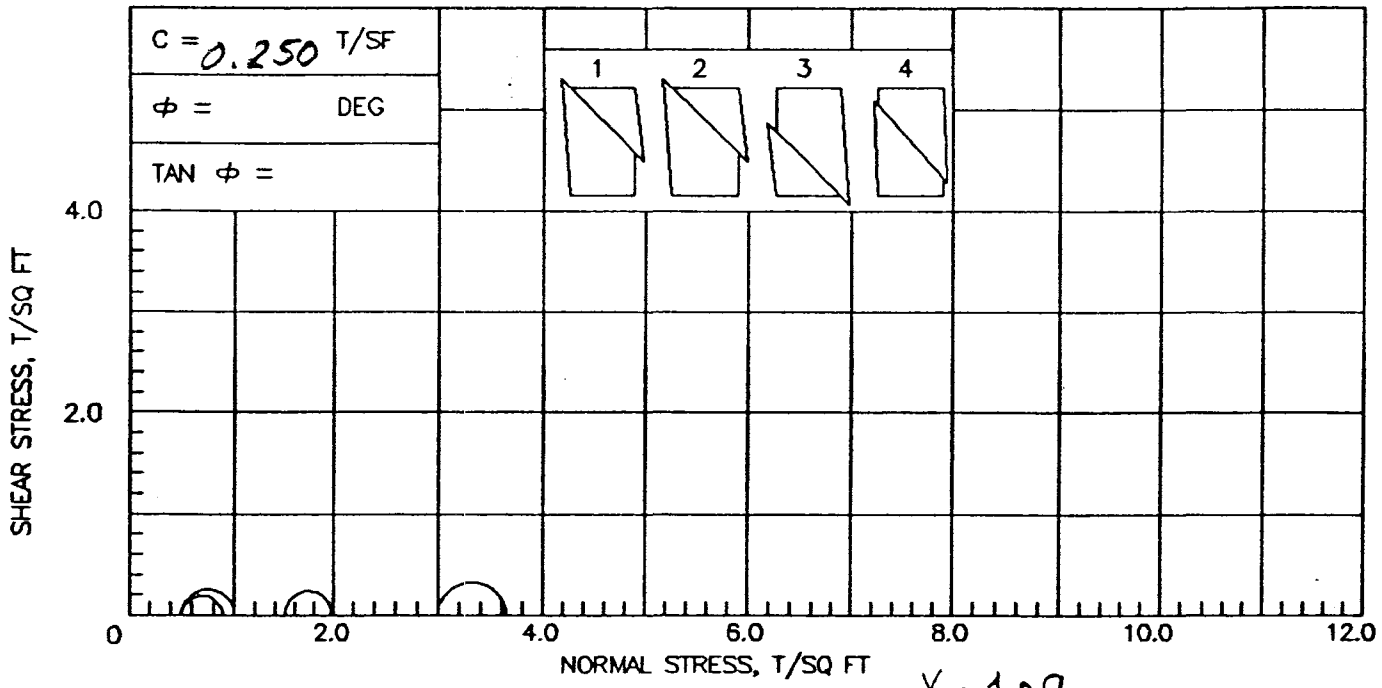
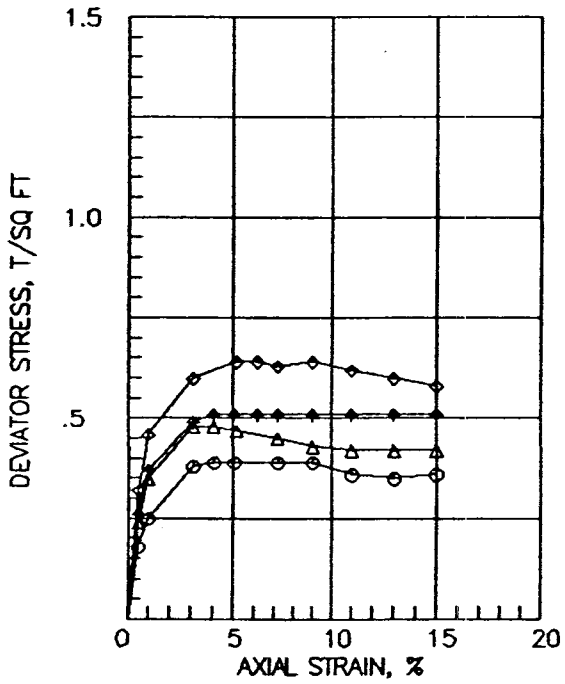



γ= 109



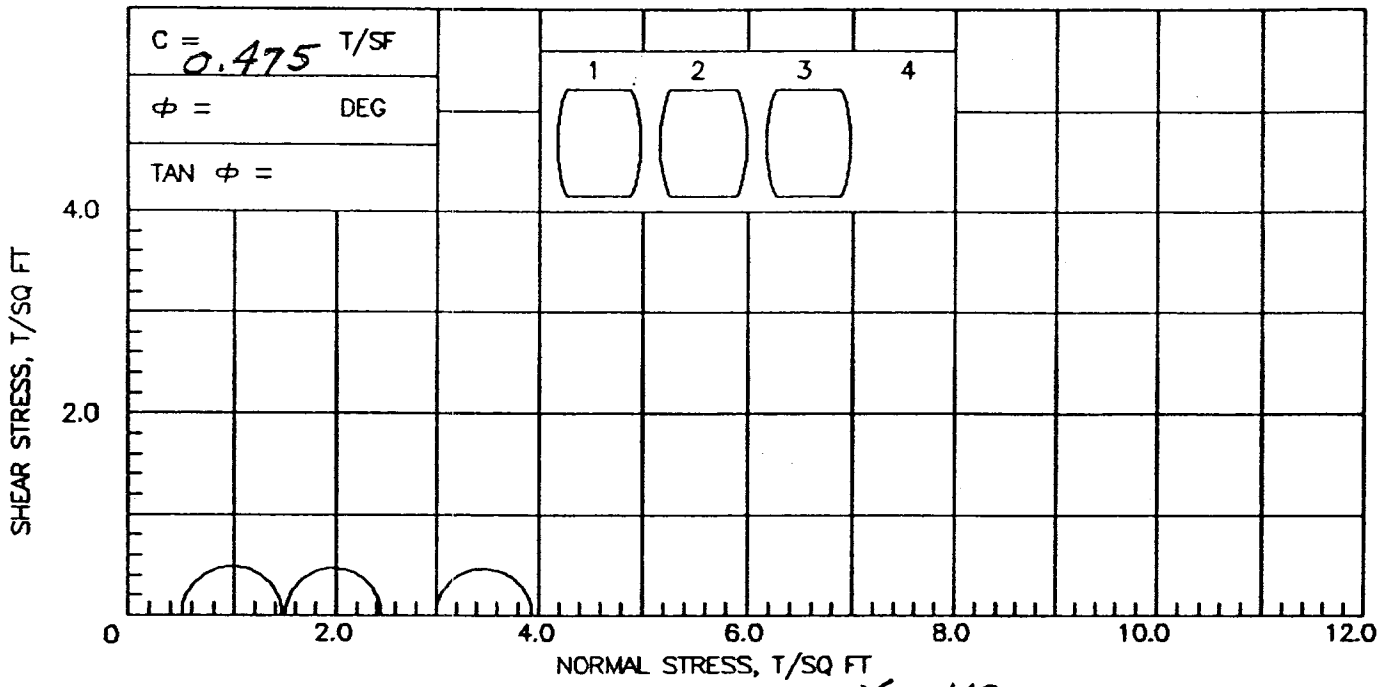

| SPECIMEN NO. | | ○ 1 | △ 2 | ◇ 3 | ↑ 4 | |
|---|---|---|---|---|---|---|
| INITIAL | WATER CONTENT, % | 42.7 | 42.9 | 42.0 | 38.9 | 41.6 |
| | DRY DENSITY, PCF | 76.0 | 75.7 | 77.0 | 80.3 | 77.2 |
| | SATURATION, % | 94.6 | 94.5 | 95.4 | 95.6 | 95.0 |
| | VOID RATIO | 1.219 | 1.226 | 1.189 | 1.099 | |
| BEFORE SHEAR | WATER CONTENT, % | | | | | |
| | DRY DENSITY, PCF | | | | | |
| | SATURATION, % | | | | | |
| | VOID RATIO | | | | | |
| | BACK PRESSURE, TSF | | | | | |
| CHAMBER PRESSURE, TSF | | .50 | 1.50 | 3.00 | .50 | |
| MAX. DEV. STRESS, TSF | | .39 | .48 | .64 | .51 | 0.52 |
| TIME TO FAILURE, MIN. | | 9 | 16 | 27 | 22 | |
| STRAIN RATE INCR., % | | | | 7 | 5 | |
| INITIAL DIAMETER, IN. | | 1.37 | 1.37 | 1.37 | 1.36 | |
| INITIAL HEIGHT, IN. | | 3.00 | 3.00 | 3.00 | 3.00 | |

CONTROLLED-STRAIN TEST

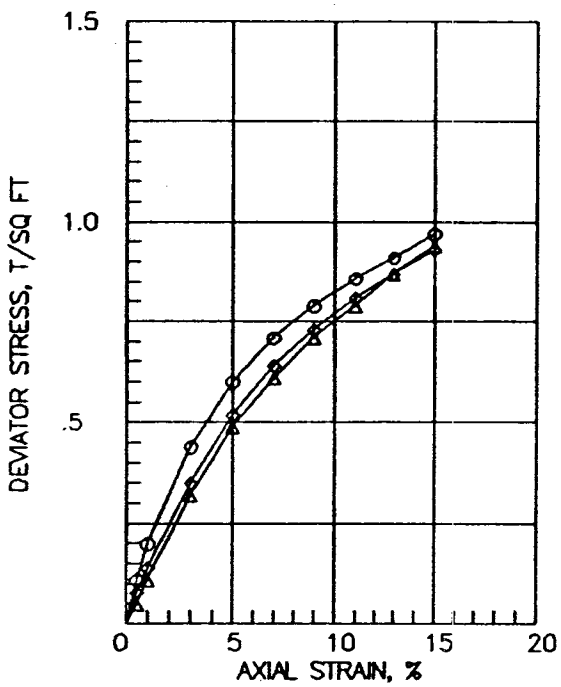
DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY

| LL 76 | PL 21 | PI 55 | GS 2.70 (ESTIMATED) | UNDISTURBED SPECIMEN | Q TEST |
|---|---|---|---|---|---|

| | | |
|---|---|---|
| REMARKS: | PROJECT INTRACOASTAL WATERWAY LOCKS, LA | |
| | BAYOU SORREL LOCK | |
| | BORING NO. 4 BYSU | SAMPLE NO. 2B |
| | DEPTH/ELEV 5.0/+6.7 | TECH. JH |
| | LABORATORY USAE WES - STF/GL | DATE 19 JUL 94 |
| | TRIAXIAL COMPRESSION TEST REPORT | |




γ = 118



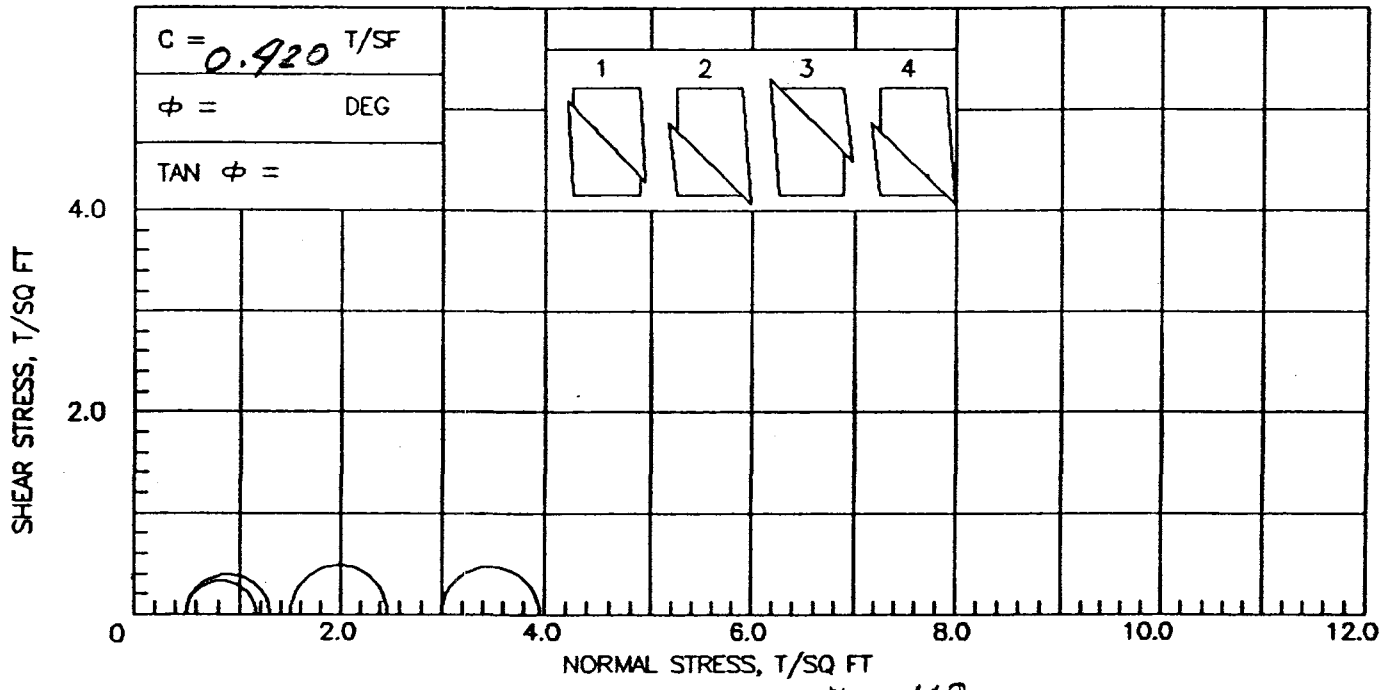

| SPECIMEN NO. | | ○ 1 | △ 2 | ◇ 3 | 4 |
|---|---|---|---|---|---|
| INITIAL | WATER CONTENT, % | 35.2 | 35.2 | 35.4 | 35.27 |
| | DRY DENSITY, PCF | 86.6 | 87.5 | 86.7 | 86.93 |
| | SATURATION, % | 100+ | 100+ | 100+ | 100 |
| | VOID RATIO | .946 | .927 | .945 | |
| BEFORE SHEAR | WATER CONTENT, % | | | | |
| | DRY DENSITY, PCF | | | | |
| | SATURATION, % | | | | |
| | VOID RATIO | | | | |
| | BACK PRESSURE, TSF | | | | |
| CHAMBER PRESSURE, TSF | | .50 | 1.50 | 3.00 | |
| MAX. DEV. STRESS, TSF | | .97 | .94 | .93 | .95 |
| TIME TO FAILURE, MIN. | | 34 | 33 | 34 | |
| STRAIN RATE INCR., % | | | | | |
| INITIAL DIAMETER, IN. | | 1.35 | 1.33 | 1.34 | |
| INITIAL HEIGHT, IN. | | 3.00 | 3.00 | 3.00 | |

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CL), GRAY

| LL | PL | PI | GS 2.70 (ESTIMATED) | UNDISTURBED SPECIMEN | Q TEST |
|---|---|---|---|---|---|

| | | |
|---|---|---|
| REMARKS: | PROJECT INTRACOASTAL WATERWAY LOCKS, LA | |
| | BAYOU SORREL LOCK | |
| | BORING NO. 4 BYSU | SAMPLE NO. 8C |
| | DEPTH/ELEV 28.7/-17.0 | TECH. JH |
| | LABORATORY USAE WES - STF/GL | DATE 19 JUL 94 |
| | TRIAXIAL COMPRESSION TEST REPORT | |

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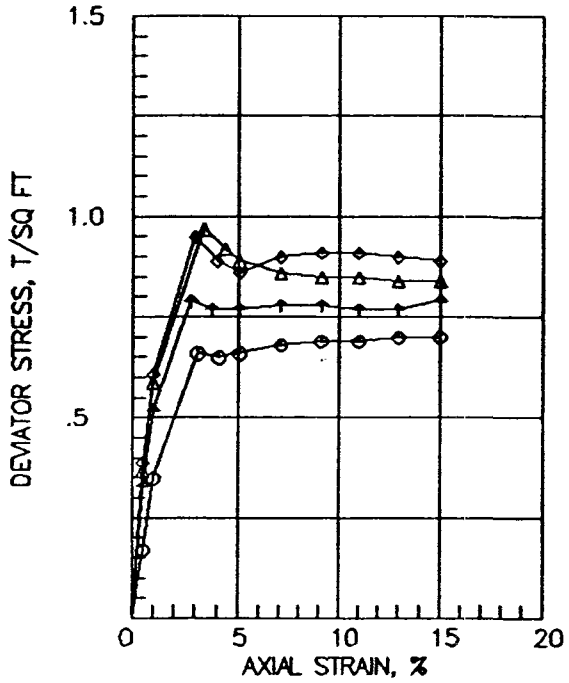



| SPECIMEN NO. | | ○ 1 | △ 2 | ◇ 3 | ↑ 4 | |
|---|---|---|---|---|---|---|
| INITIAL | WATER CONTENT, % | 45.0 | 41.1 | 40.3 | 41.9 | 42.0 |
| | DRY DENSITY, PCF | 75.6 | 79.6 | 80.4 | 79.0 | 78.4 |
| | SATURATION, % | 98.8 | 99.3 | 99.4 | 99.7 | 99.3 |
| | VOID RATIO | 1.229 | 1.117 | 1.096 | 1.134 | |
| BEFORE SHEAR | WATER CONTENT, % | | | | | |
| | DRY DENSITY, PCF | | | | | |
| | SATURATION, % | | | | | |
| | VOID RATIO | | | | | |
| | BACK PRESSURE, TSF | | | | | |
| CHAMBER PRESSURE, TSF | | .50 | 1.50 | 3.00 | .50 | |
| MAX. DEV. STRESS, TSF | | .66 | .97 | .95 | .79 | 0.84 |
| TIME TO FAILURE, MIN. | | 7 | 18 | 15 | 15 | |
| STRAIN RATE INCR., % | | | 9 | 5 | 5 | |
| INITIAL DIAMETER, IN. | | 1.36 | 1.37 | 1.37 | 1.36 | |
| INITIAL HEIGHT, IN. | | 3.00 | 3.00 | 3.00 | 3.00 | |

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY

| LL 53 | PL 21 | PI 32 | GS 2.70 (ESTIMATED) | UNDISTURBED SPECIMEN | Q TEST |
|---|---|---|---|---|---|

REMARKS:

PROJECT INTRACOASTAL WATERWAY LOCKS, LA

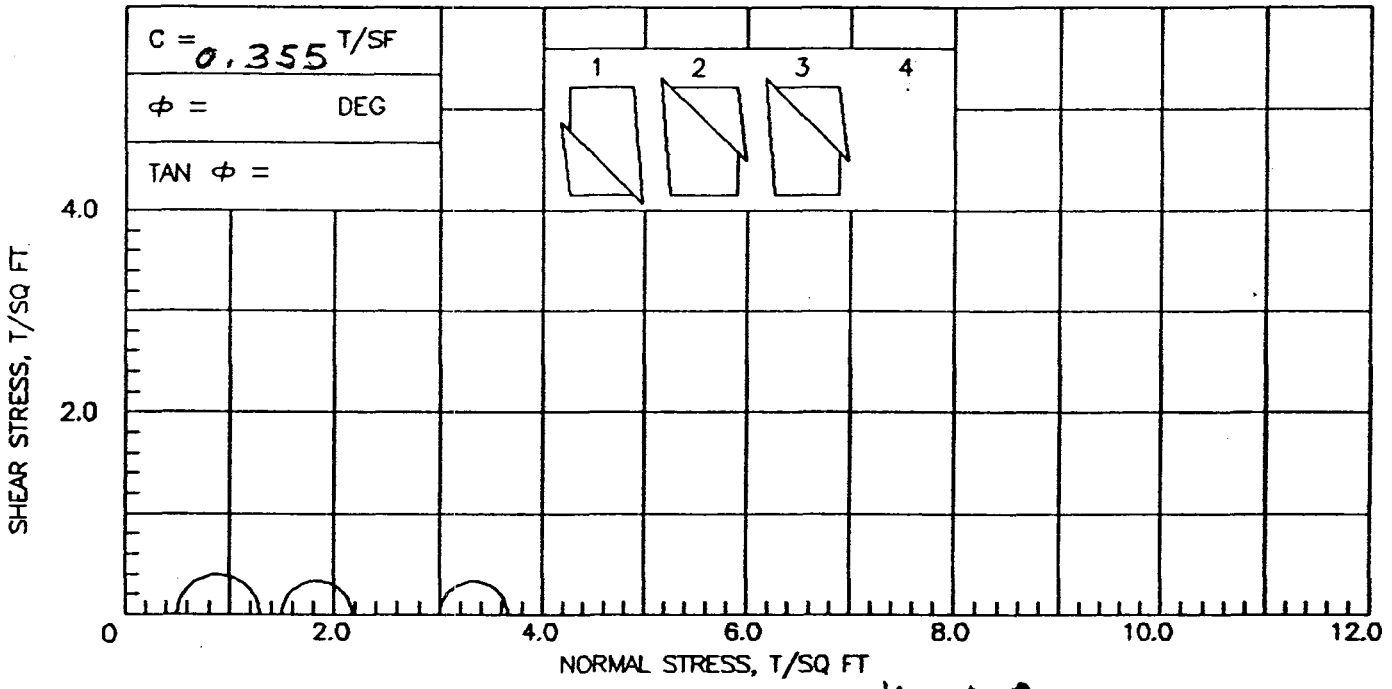
BAYOU SORREL LOCK

BORING NO. 4 BYSU | SAMPLE NO. 9C

DEPTH/ELEV 32.5/-20.8 | TECH. JH

LABORATORY USAE WES - STF/GL | DATE 20 JUL 94

TRIAXIAL COMPRESSION TEST REPORT

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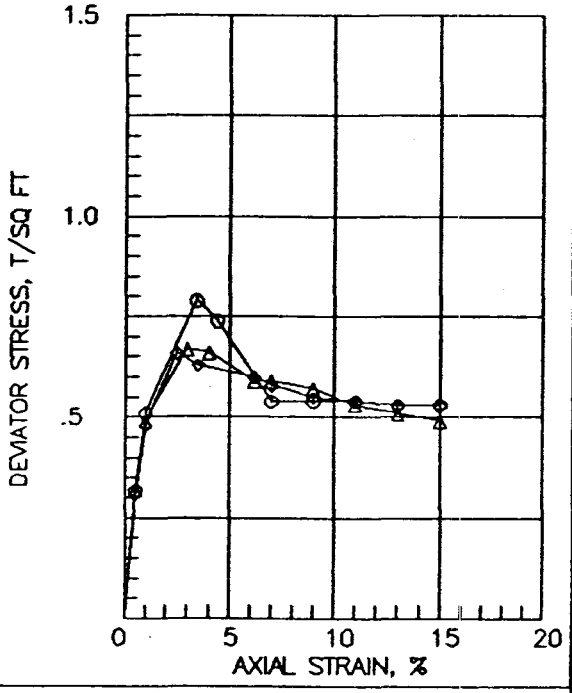



| SPECIMEN NO. | | ⊙ 1 | △ 2 | ◇ 3 | 4 |
|---|---|---|---|---|---|
| INITIAL | WATER CONTENT, % | 47.9 | 53.0 | 50.1 | 50.33 |
| | DRY DENSITY, PCF | 73.7 | 69.5 | 71.7 | 71.63 |
| | SATURATION, % | 100+ | 100+ | 100+ | 100 |
| | VOID RATIO | 1.286 | 1.425 | 1.350 | |
| BEFORE SHEAR | WATER CONTENT, % | | | | |
| | DRY DENSITY, PCF | | | | |
| | SATURATION, % | | | | |
| | VOID RATIO | | | | |
| | BACK PRESSURE, TSF | | | | |
| CHAMBER PRESSURE, TSF | | .50 | 1.50 | 3.00 | |
| MAX. DEV. STRESS, TSF | | .79 | .67 | .66 | .71 |
| TIME TO FAILURE, MIN. | | 8 | 15 | 14 | |
| STRAIN RATE INCR., % | | | 6 | 3 | |
| INITIAL DIAMETER, IN. | | 1.36 | 1.36 | 1.36 | |
| INITIAL HEIGHT, IN. | | 3.00 | 3.00 | 3.00 | |

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY

| LL 66 | PL 20 | PI 46 | GS 2.70 (ESTIMATED) | UNDISTURBED SPECIMEN | Q TEST |
|---|---|---|---|---|---|

REMARKS:

PROJECT INTRACOASTAL WATERWAY LOCKS, LA

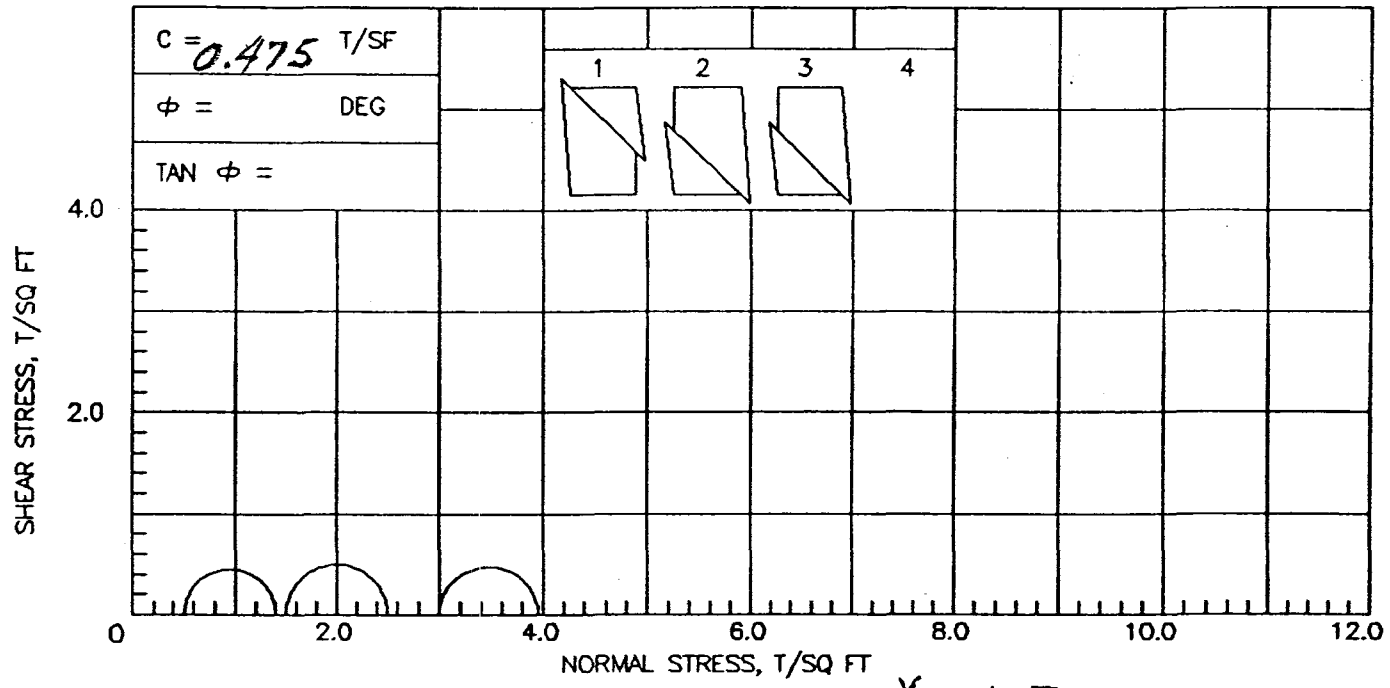
BAYOU SORREL LOCK

BORING NO. 4 BYSU | SAMPLE NO. 10B

DEPTH/ELEV 36.0/-24.3 | TECH. JH

LABORATORY USAE WES - STF/GL | DATE 20 JUL 94

TRIAXIAL COMPRESSION TEST REPORT

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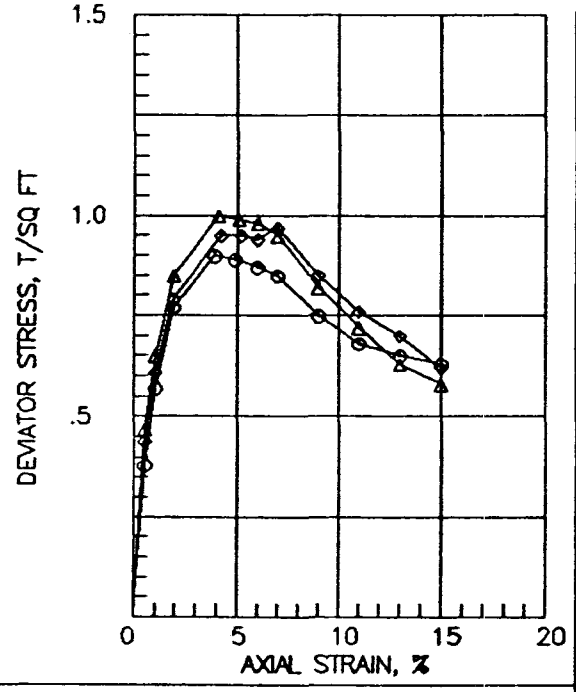



| SPECIMEN NO. | | ○ 1 | △ 2 | ◇ 3 | 4 |
|---|---|---|---|---|---|
| INITIAL | WATER CONTENT, % | 50.5 | 51.5 | 52.8 | 51.60 |
| | DRY DENSITY, PCF | 71.2 | 70.8 | 69.7 | 70.57 |
| | SATURATION, % | 99.5 | 100+ | 100+ | 99.83 |
| | VOID RATIO | 1.368 | 1.380 | 1.418 | |
| BEFORE SHEAR | WATER CONTENT, % | | | | |
| | DRY DENSITY, PCF | | | | |
| | SATURATION, % | | | | |
| | VOID RATIO | | | | |
| | BACK PRESSURE, TSF | | | | |
| CHAMBER PRESSURE, TSF | | .50 | 1.50 | 3.00 | |
| MAX. DEV. STRESS, TSF | | .90 | 1.00 | .95 | .95 |
| TIME TO FAILURE, MIN. | | 9 | 22 | 22 | |
| STRAIN RATE INCR., % | | | | 6 | |
| INITIAL DIAMETER, IN. | | 1.36 | 1.36 | 1.36 | |
| INITIAL HEIGHT, IN. | | 3.00 | 3.00 | 3.00 | |

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY

| LL 78 | PL 22 | PI 56 | GS 2.70 (ESTIMATED) | UNDISTURBED SPECIMEN | Q TEST |
|---|---|---|---|---|---|

REMARKS:

PROJECT INTRACOASTAL WATERWAY LOCKS, LA

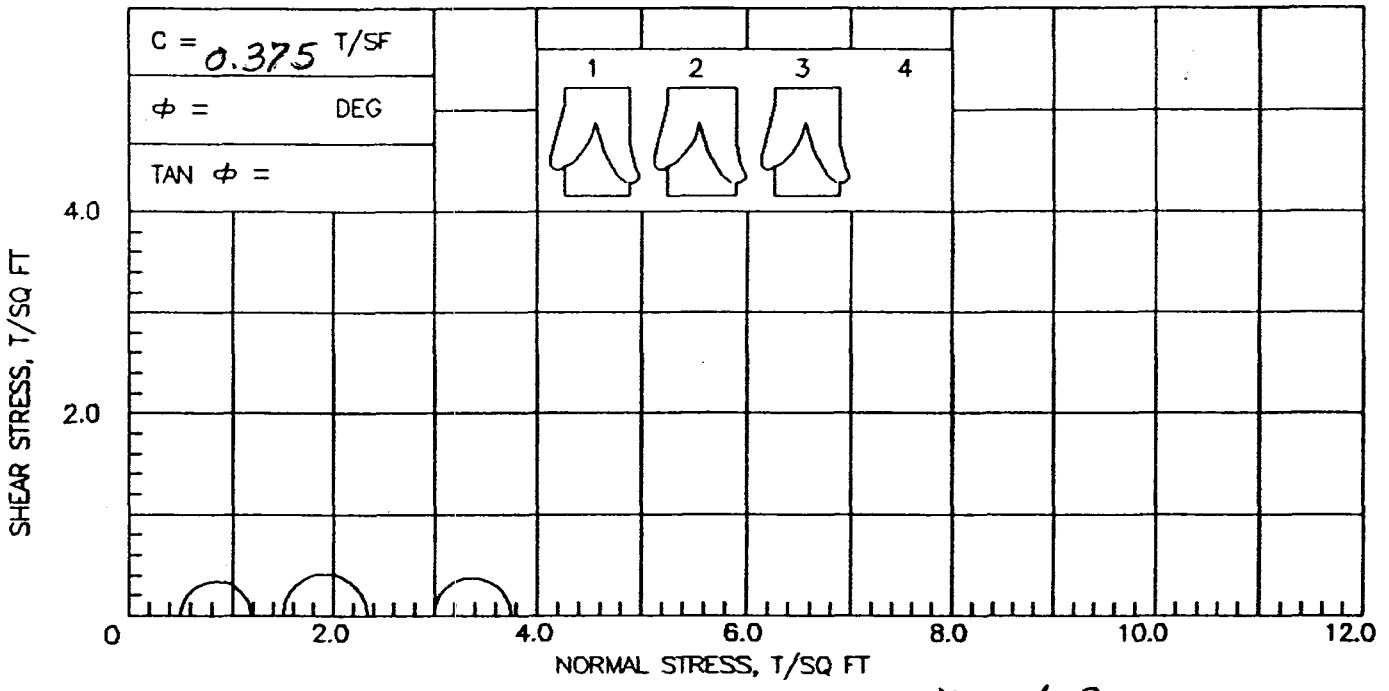
BAYOU SORREL LOCK

BORING NO. 4 BYSU — SAMPLE NO. 15B

DEPTH/ELEV 55.9/-44.2 — TECH. JH

LABORATORY USAE WES - STF/GL — DATE 21 JUL 94

TRIAXIAL COMPRESSION TEST REPORT

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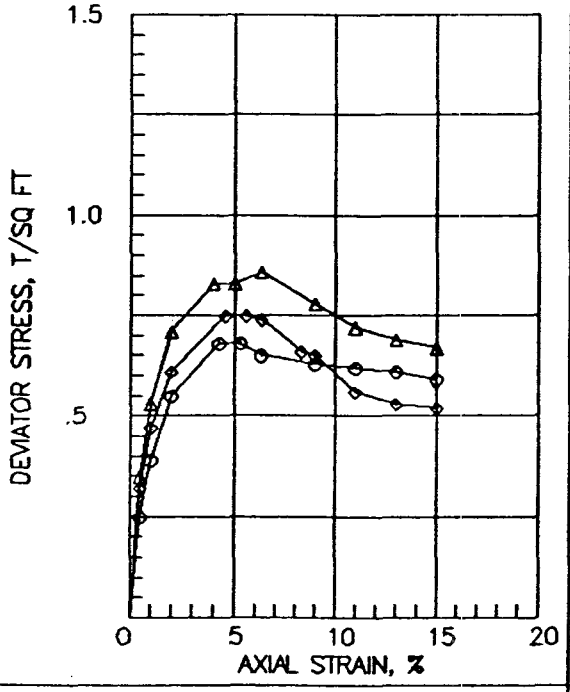



| SPECIMEN NO. | | ◇ 1 | △ 2 | ◇ 3 | 4 |
|---|---|---|---|---|---|
| INITIAL | WATER CONTENT, % | 59.4 | 57.2 | 59.3 | 58.63 |
| | DRY DENSITY, PCF | 63.4 | 65.0 | 63.7 | 64.53 |
| | SATURATION, % | 96.7 | 96.9 | 97.4 | 97.00 |
| | VOID RATIO | 1.658 | 1.595 | 1.645 | |
| BEFORE SHEAR | WATER CONTENT, % | | | | |
| | DRY DENSITY, PCF | | | | |
| | SATURATION, % | | | | |
| | VOID RATIO | | | | |
| | BACK PRESSURE, TSF | | | | |
| CHAMBER PRESSURE, TSF | | .50 | 1.50 | 3.00 | |
| MAX. DEV. STRESS, TSF | | .68 | .83 | .75 | .75 |
| TIME TO FAILURE, MIN. | | 10 | 12 | 21 | |
| STRAIN RATE INCR., % | | | 6 | 8 | |
| INITIAL DIAMETER, IN. | | 1.36 | 1.36 | 1.36 | |
| INITIAL HEIGHT, IN. | | 3.00 | 3.00 | 3.00 | |

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY; SILT SEAMS

| LL 94 | PL 24 | PI 70 | GS 2.70 (ESTIMATED) | UNDISTURBED SPECIMEN | Q TEST |
|---|---|---|---|---|---|

REMARKS:

PROJECT INTRACOASTAL WATERWAY LOCKS, LA

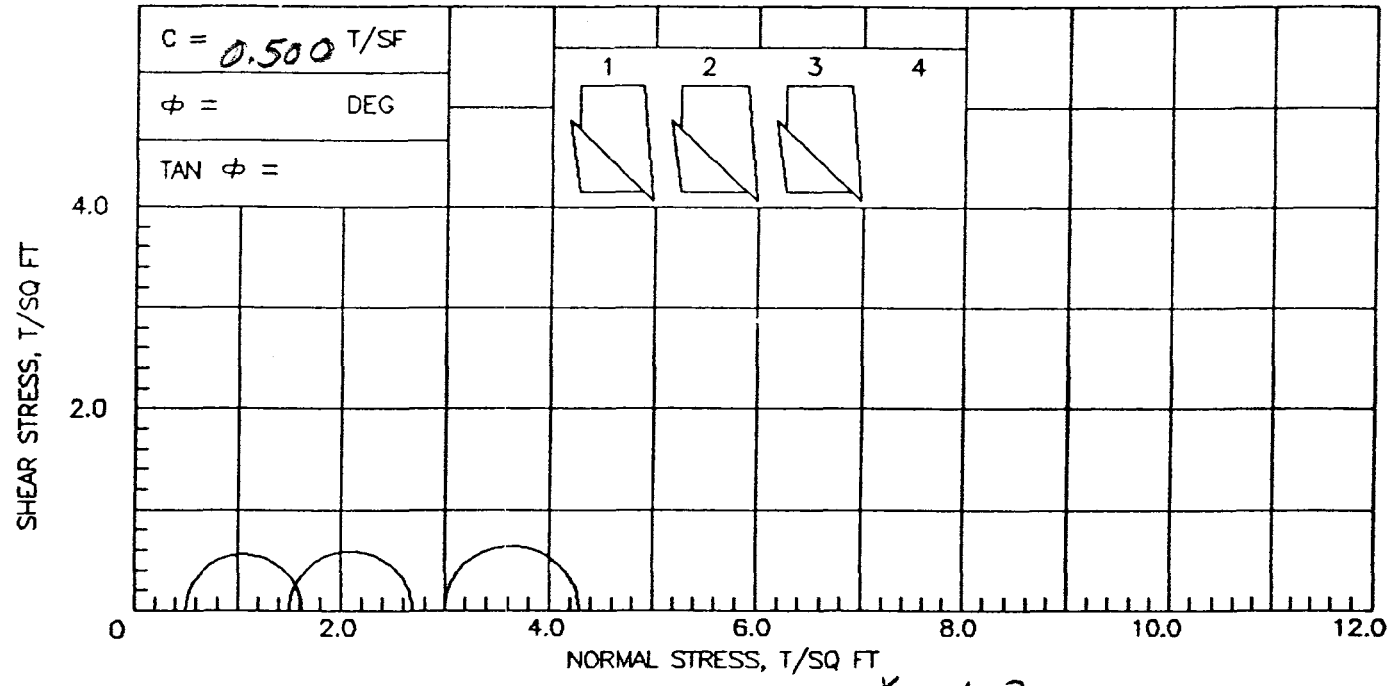
BAYOU SORREL LOCK

BORING NO. 4 BYSU | SAMPLE NO. 18B

DEPTH/ELEV 67.9/-56.2 | TECH. JH

LABORATORY USAE WES - STF/GL | DATE 21 JUL 94

TRIAXIAL COMPRESSION TEST REPORT

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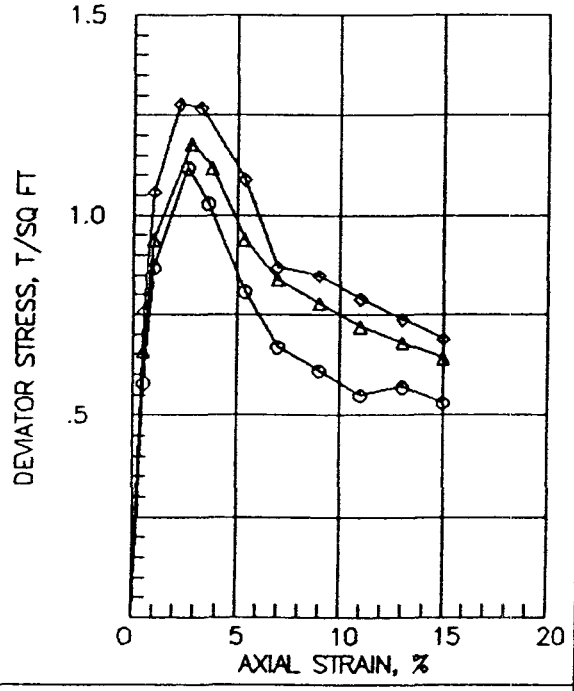


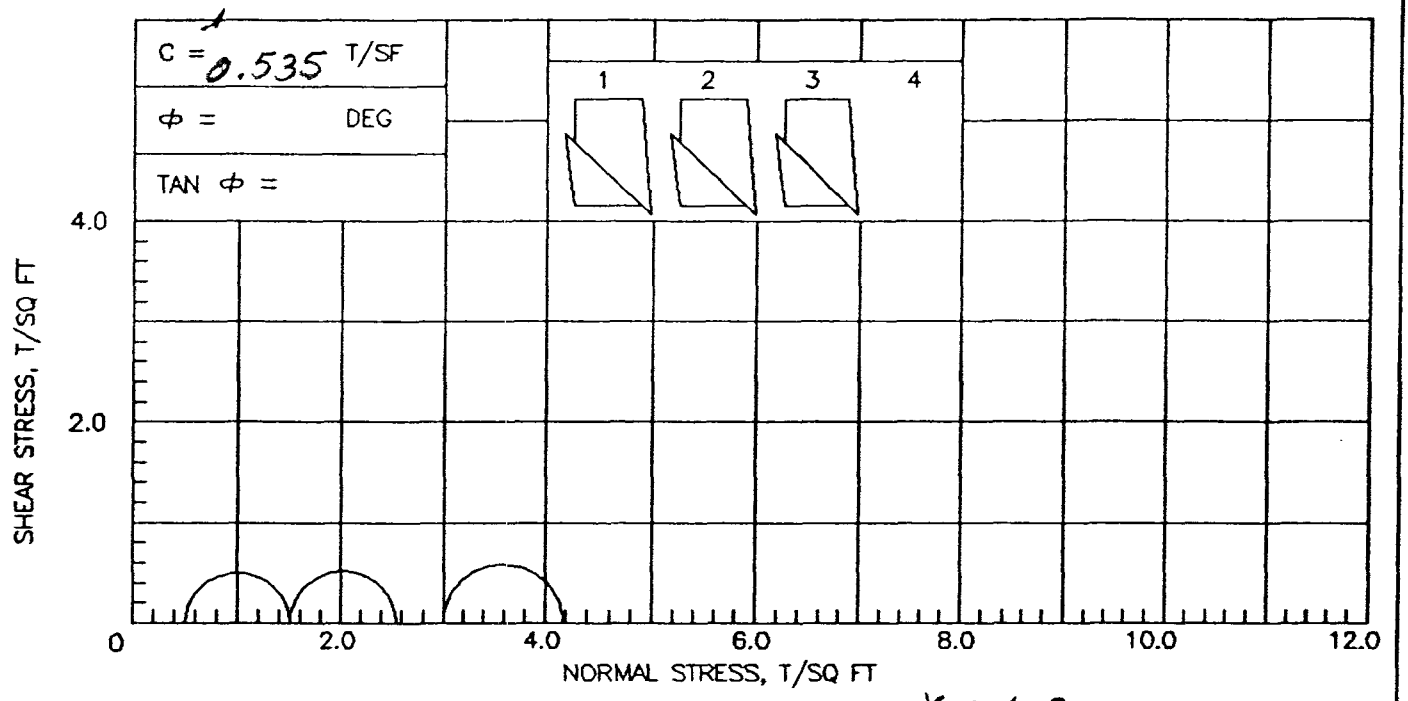

| SPECIMEN NO. | | ○ 1 | △ 2 | ◇ 3 | 4 |
|---|---|---|---|---|---|
| INITIAL | WATER CONTENT, % | 59.3 | 59.8 | 60.2 | 59.77 |
| | DRY DENSITY, PCF | 64.6 | 64.4 | 64.2 | 64.48 |
| | SATURATION, % | 99.7 | 99.8 | 100+ | 100 |
| | VOID RATIO | 1.607 | 1.619 | 1.624 | |
| BEFORE SHEAR | WATER CONTENT, % | | | | |
| | DRY DENSITY, PCF | | | | |
| | SATURATION, % | | | | |
| | VOID RATIO | | | | |
| | BACK PRESSURE, TSF | | | | |
| CHAMBER PRESSURE, TSF | | .50 | 1.50 | 3.00 | |
| MAX. DEV. STRESS, TSF | | 1.12 | 1.18 | 1.28 | 1.19 |
| TIME TO FAILURE, MIN. | | 6 | 15 | 12 | |
| STRAIN RATE INCR., % | | | | 5 | |
| INITIAL DIAMETER, IN. | | 1.36 | 1.36 | 1.36 | |
| INITIAL HEIGHT, IN. | | 3.00 | 3.00 | 3.00 | |

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY; ORGANIC MATERIAL

| LL 104 | PL 25 | PI 79 | GS 2.70 (ESTIMATED) | UNDISTURBED SPECIMEN | Q TEST |
|---|---|---|---|---|---|

| | |
|---|---|
| REMARKS: | PROJECT INTRACOASTAL WATERWAY LOCKS, LA |
| | BAYOU SORREL LOCK |
| | BORING NO. 4 BYSU / SAMPLE NO. 19B |
| | DEPTH/ELEV 72.0/-60.3 / TECH. JH |
| | LABORATORY USAE WES - STF/GL / DATE 22 JUL 94 |
| | TRIAXIAL COMPRESSION TEST REPORT |

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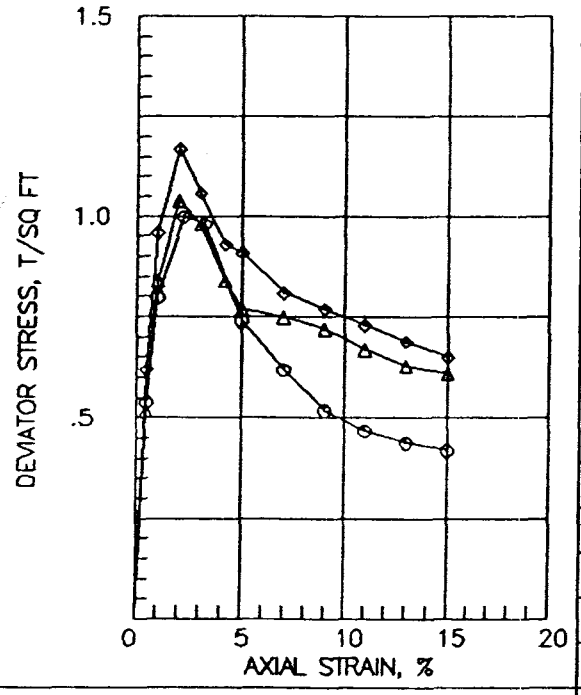



| SPECIMEN NO. | | ○ 1 | △ 2 | ◇ 3 | 4 |
|---|---|---|---|---|---|
| INITIAL | WATER CONTENT, % | 61.0 | 62.1 | 58.2 | 60.43 |
| | DRY DENSITY, PCF | 62.9 | 62.2 | 65.0 | 63.37 |
| | SATURATION, % | 97.9 | 98.0 | 98.6 | 98.17 |
| | VOID RATIO | 1.681 | 1.710 | 1.595 | |
| BEFORE SHEAR | WATER CONTENT, % | | | | |
| | DRY DENSITY, PCF | | | | |
| | SATURATION, % | | | | |
| | VOID RATIO | | | | |
| | BACK PRESSURE, TSF | | | | |
| CHAMBER PRESSURE, TSF | | .50 | 1.50 | 3.00 | |
| MAX. DEV. STRESS, TSF | | 1.00 | 1.04 | 1.17 | 1.07 |
| TIME TO FAILURE, MIN. | | 5 | 10 | 13 | |
| STRAIN RATE INCR., % | | | 5 | 4 | |
| INITIAL DIAMETER, IN. | | 1.36 | 1.36 | 1.36 | |
| INITIAL HEIGHT, IN. | | 3.00 | 3.00 | 3.00 | |

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY; ORGANIC MATERIAL

| LL 101 | PL 25 | PI 76 | GS 2.70 (ESTIMATED) | UNDISTURBED SPECIMEN | Q TEST |
|---|---|---|---|---|---|

REMARKS:

PROJECT INTRACOASTAL WATERWAY LOCKS, LA

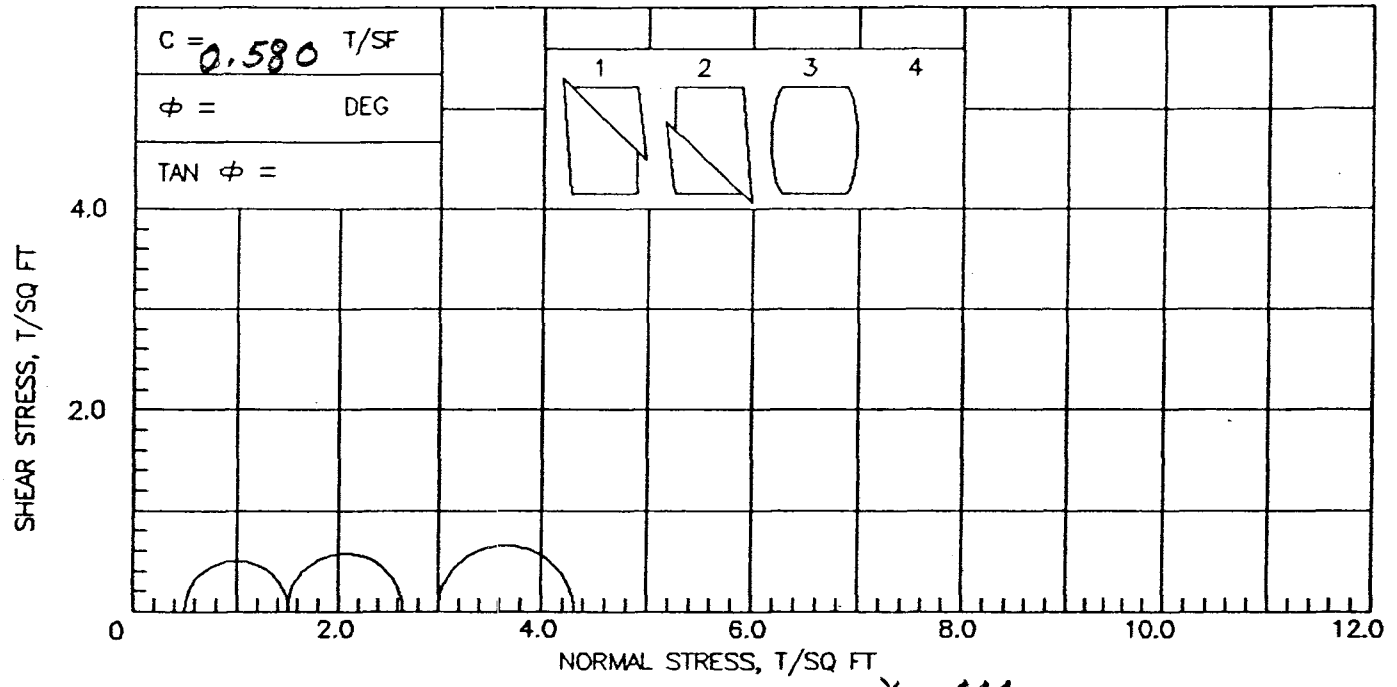
BAYOU SORREL LOCK

BORING NO. 4 BYSU | SAMPLE NO. 20B

DEPTH/ELEV 76.0/-64.3 | TECH. JH

LABORATORY USAE WES - STF/GL | DATE 22 JUL 94

TRIAXIAL COMPRESSION TEST REPORT

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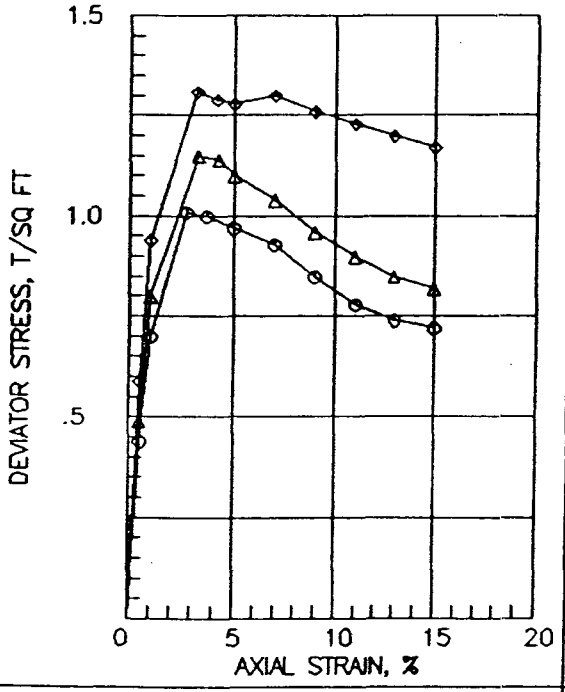



| SPECIMEN NO. | | ○ 1 | △ 2 | ◇ 3 | 4 |
|---|---|---|---|---|---|
| INITIAL | WATER CONTENT, % | 41.4 | 40.2 | 39.2 | 40.27 |
| | DRY DENSITY, PCF | 78.3 | 79.5 | 80.4 | 79.43 |
| | SATURATION, % | 97.0 | 96.9 | 96.6 | 96.83 |
| | VOID RATIO | 1.152 | 1.120 | 1.096 | |
| BEFORE SHEAR | WATER CONTENT, % | | | | |
| | DRY DENSITY, PCF | | | | |
| | SATURATION, % | | | | |
| | VOID RATIO | | | | |
| | BACK PRESSURE, TSF | | | | |
| CHAMBER PRESSURE, TSF | | .50 | 1.50 | 3.00 | |
| MAX. DEV. STRESS, TSF | | 1.01 | 1.15 | 1.31 | 1.16 |
| TIME TO FAILURE, MIN. | | 6 | 18 | 21 | |
| STRAIN RATE INCR., % | | | 5 | 6 | |
| INITIAL DIAMETER, IN. | | 1.36 | 1.36 | 1.37 | |
| INITIAL HEIGHT, IN. | | 3.00 | 3.00 | 3.00 | |

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY

| LL 64 | PL 19 | PI 45 | GS 2.70 (ESTIMATED) | UNDISTURBED SPECIMEN | Q TEST |
|---|---|---|---|---|---|

REMARKS:

PROJECT INTRACOASTAL WATERWAY LOCKS, LA

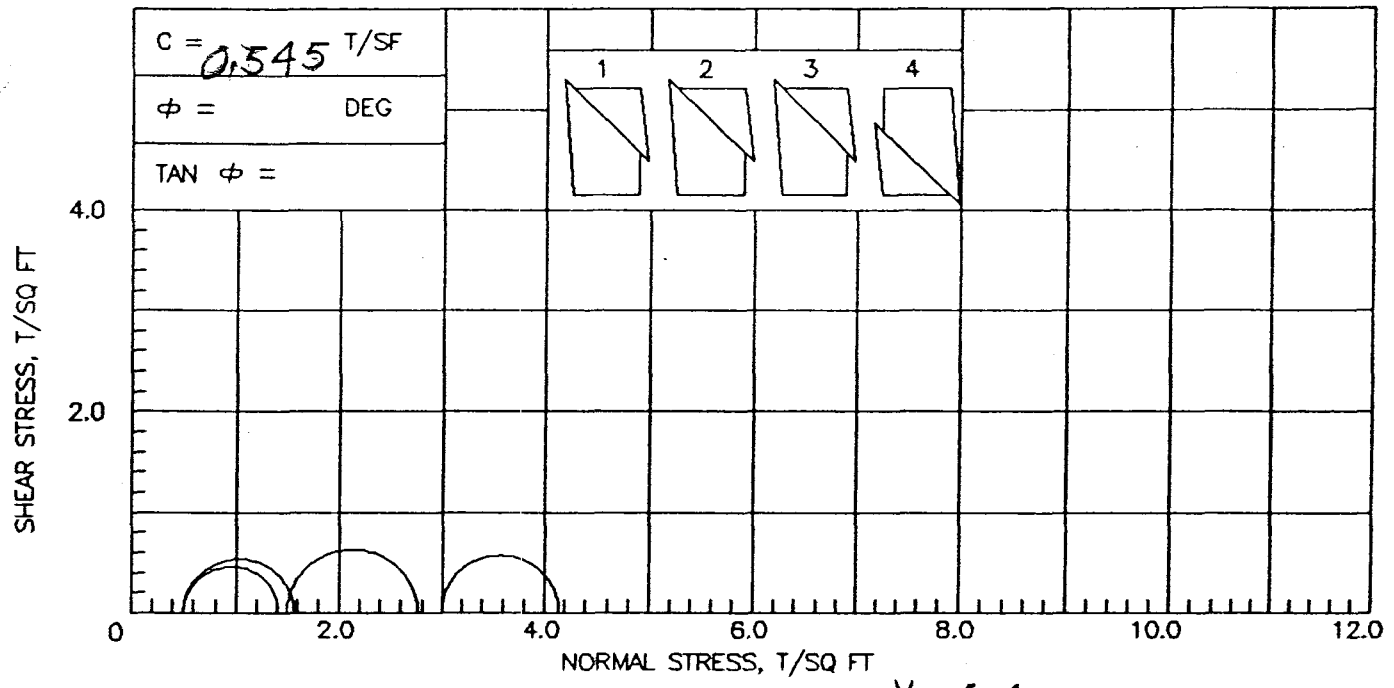
BAYOU SORREL LOCK

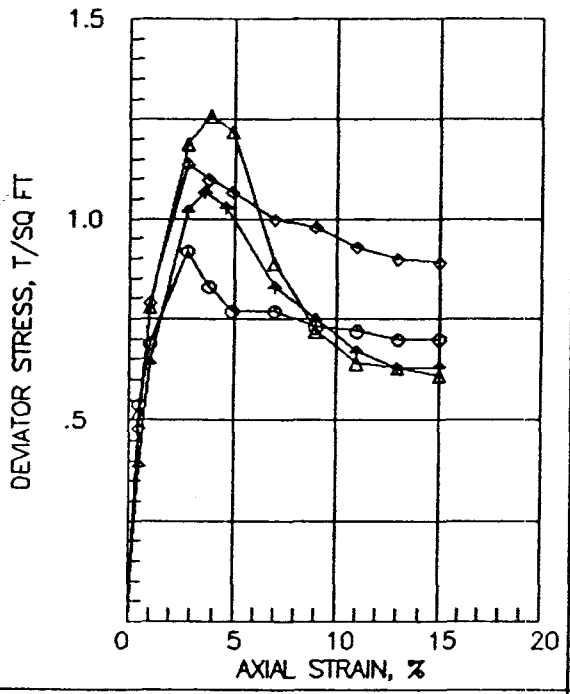
BORING NO. 4 BYSU | SAMPLE NO. 21B

DEPTH/ELEV 80.0/-68.3 | TECH. JH

LABORATORY USAE WES - STF/GL | DATE 25 JUL 94

TRIAXIAL COMPRESSION TEST REPORT




γ = 106

| SPECIMEN NO. | | ○ 1 | △ 2 | ◇ 3 | + 4 | |
|---|---|---|---|---|---|---|
| INITIAL | WATER CONTENT, % | 52.1 | 53.4 | 53.3 | 51.2 | 52.50 |
| | DRY DENSITY, PCF | 70.0 | 69.2 | 69.1 | 70.3 | 69.65 |
| | SATURATION, % | 99.8 | 100+ | 100+ | 98.9 | 99.67 |
| | VOID RATIO | 1.409 | 1.435 | 1.439 | 1.397 | |
| BEFORE SHEAR | WATER CONTENT, % | | | | | |
| | DRY DENSITY, PCF | | | | | |
| | SATURATION, % | | | | | |
| | VOID RATIO | | | | | |
| | BACK PRESSURE, TSF | | | | | |
| CHAMBER PRESSURE, TSF | | .50 | 1.50 | 3.00 | .50 | |
| MAX. DEV. STRESS, TSF | | .92 | 1.26 | 1.14 | 1.07 | 1.09 |
| TIME TO FAILURE, MIN. | | 6 | 22 | 13 | 21 | |
| STRAIN RATE INCR., % | | | | 4 | | |
| INITIAL DIAMETER, IN. | | 1.37 | 1.36 | 1.36 | 1.36 | |
| INITIAL HEIGHT, IN. | | 3.00 | 3.00 | 3.00 | 3.00 | |

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY; SLICKENSIDED

| LL 91 | PL 25 | PI 66 | GS 2.70 (ESTIMATED) | UNDISTURBED SPECIMEN | Q TEST |
|---|---|---|---|---|---|

REMARKS:

PROJECT INTRACOASTAL WATERWAY LOCKS, LA

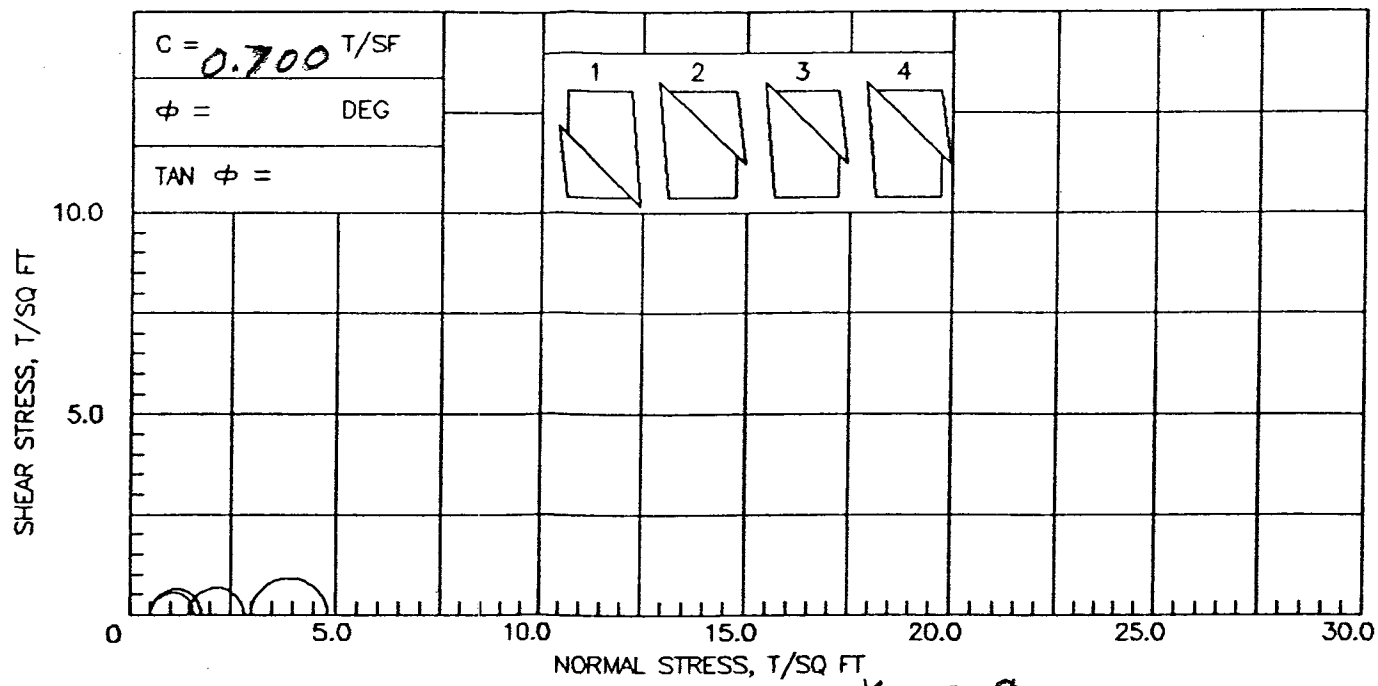
BAYOU SORREL LOCK

BORING NO. 4 BYSU — SAMPLE NO. 24B

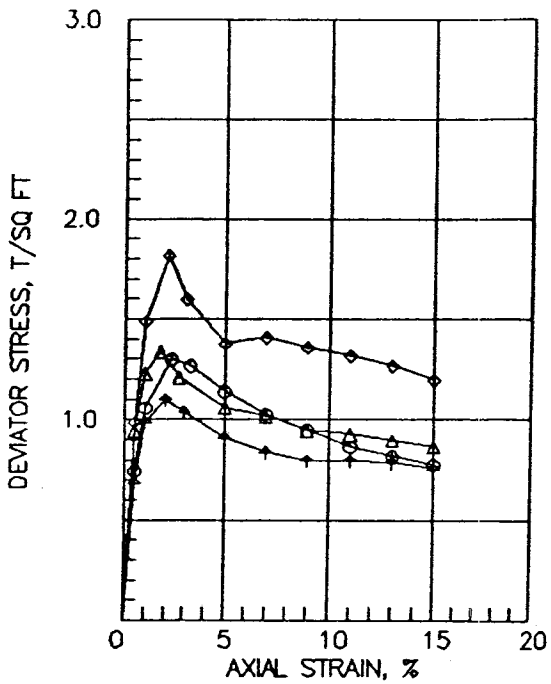
DEPTH/ELEV 92.0/-80.3 — TECH. JH

LABORATORY USAE WES - STF/GL — DATE 26 JUL 94

TRIAXIAL COMPRESSION TEST REPORT




γ = 109




| | SPECIMEN NO. | ○ 1 | △ 2 | ◇ 3 | + 4 | |
|---|---|---|---|---|---|---|
| INITIAL | WATER CONTENT, % | 49.2 | 49.4 | 47.3 | 47.5 | 48.35 |
| | DRY DENSITY, PCF | 72.5 | 72.7 | 74.1 | 74.3 | 73.40 |
| | SATURATION, % | 100+ | 100+ | 100+ | 100+ | 100. |
| | VOID RATIO | 1.325 | 1.318 | 1.274 | 1.268 | |
| BEFORE SHEAR | WATER CONTENT, % | | | | | |
| | DRY DENSITY, PCF | | | | | |
| | SATURATION, % | | | | | |
| | VOID RATIO | | | | | |
| | BACK PRESSURE, TSF | | | | | |
| CHAMBER PRESSURE, TSF | | .50 | 1.50 | 3.00 | .50 | |
| MAX. DEV. STRESS, TSF | | 1.30 | 1.34 | 1.82 | 1.10 | 1.40 |
| TIME TO FAILURE, MIN. | | 5 | 12 | 15 | 12 | |
| STRAIN RATE INCR., % | | | | 5 | 5 | |
| INITIAL DIAMETER, IN. | | 1.36 | 1.36 | 1.36 | 1.36 | |
| INITIAL HEIGHT, IN. | | 3.00 | 3.00 | 3.00 | 3.00 | |

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), BROWN; SLICKENSIDED

| LL 90 | PL 25 | PI 65 | GS 2.70 (ESTIMATED) | UNDISTURBED SPECIMEN | Q TEST |
|---|---|---|---|---|---|

REMARKS:

PROJECT INTRACOASTAL WATERWAY LOCKS, LA

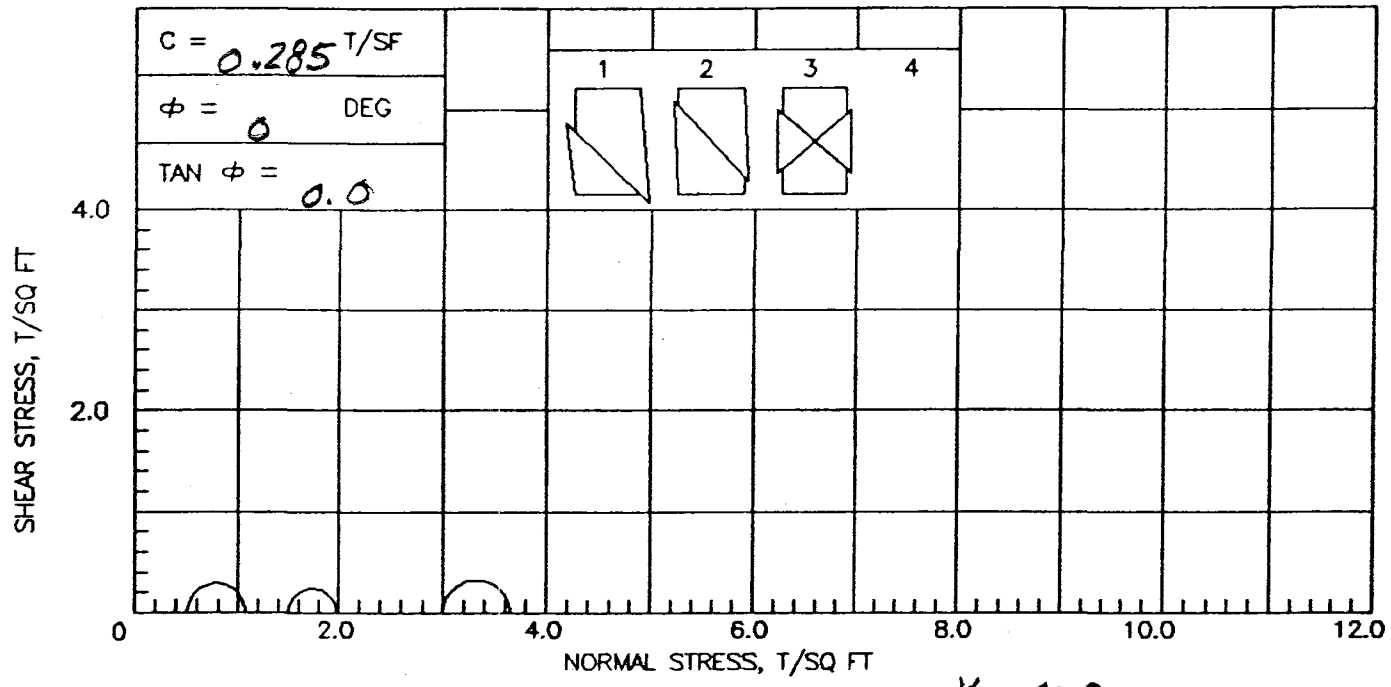
BAYOU SORREL LOCK

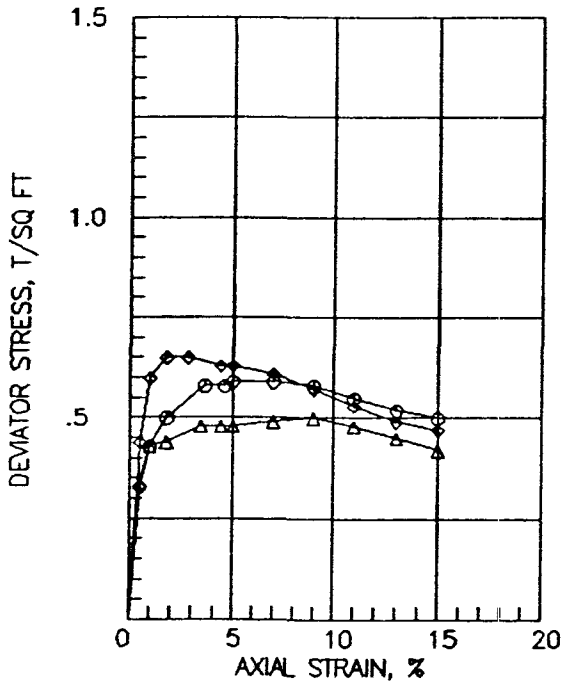
BORING NO. 4 BYSU | SAMPLE NO. 26C

DEPTH/ELEV 100.7/-89.0 | TECH. JH

LABORATORY USAE WES - STF/GL | DATE 26 JUL 94

TRIAXIAL COMPRESSION TEST REPORT




γ = 108

| SPECIMEN NO. | | ○ 1 | △ 2 | ◇ 3 | 4 |
|---|---|---|---|---|---|
| INITIAL | WATER CONTENT, % | 46.1 | 47.7 | 46.9 | 46.90 |
| | DRY DENSITY, PCF | 73.5 | 73.2 | 73.3 | 73.33 |
| | SATURATION, % | 96.3 | 98.9 | 97.5 | 97.57 |
| | VOID RATIO | 1.294 | 1.302 | 1.299 | |
| BEFORE SHEAR | WATER CONTENT, % | | | | |
| | DRY DENSITY, PCF | | | | |
| | SATURATION, % | | | | |
| | VOID RATIO | | | | |
| | BACK PRESSURE, TSF | | | | |
| CHAMBER PRESSURE, TSF | | .50 | 1.50 | 3.00 | |
| MAX. DEV. STRESS, TSF | | .58 | .48 | .65 | .57 |
| TIME TO FAILURE, MIN. | | 8 | 18 | 13 | |
| STRAIN RATE INCR., % | | | | | |
| INITIAL DIAMETER, IN. | | 1.37 | 1.36 | 1.37 | |
| INITIAL HEIGHT, IN. | | 3.00 | 3.00 | 3.00 | |

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY

| LL 92 | PL 24 | PI 68 | GS 2.70 (ESTIMATED) | UNDISTURBED SPECIMEN | Q TEST |
|---|---|---|---|---|---|

REMARKS:

PROJECT INTRACOASTAL WATERWAY LOCKS, LA

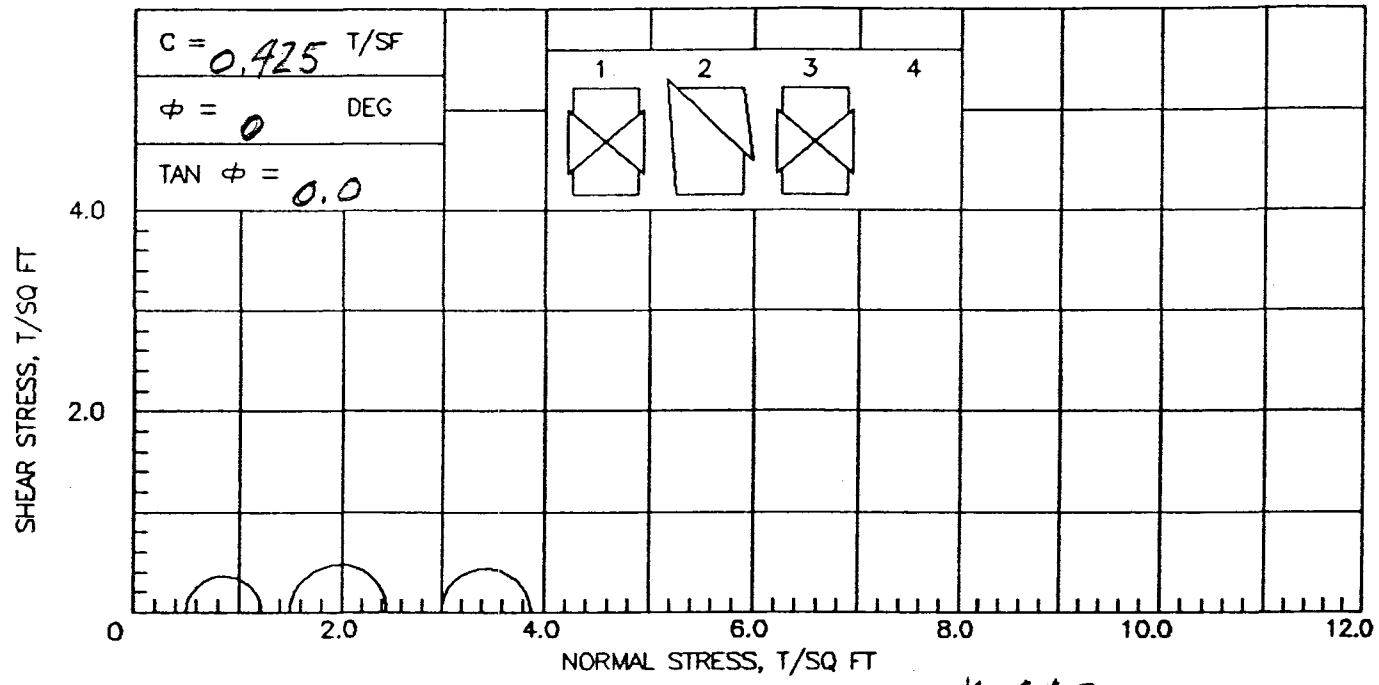
BAYOU SORREL LOCK

BORING NO. 5 BYSU | SAMPLE NO. 3C

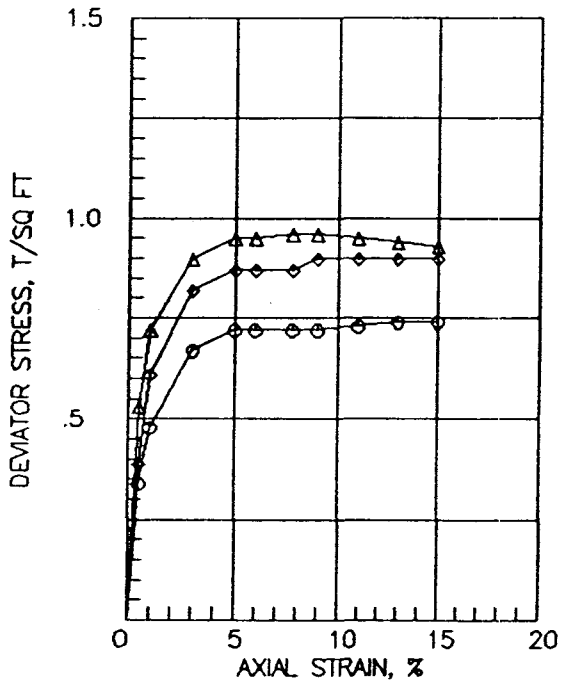
DEPTH/ELEV 9.0 /-1.0 | TECH. JH

LABORATORY USAE WES – STF/GL | DATE 27 JUL 94

TRIAXIAL COMPRESSION TEST REPORT




γ=112




| | SPECIMEN NO. | ○ 1 | △ 2 | ◇ 3 | 4 |
|---|---|---|---|---|---|
| INITIAL | WATER CONTENT, % | 40.5 | 37.2 | 39.5 | 39.67 |
| | DRY DENSITY, PCF | 79.5 | 82.9 | 79.8 | 79.73 |
| | SATURATION, % | 97.7 | 97.2 | 95.9 | 96.93 |
| | VOID RATIO | 1.121 | 1.034 | 1.113 | |
| BEFORE SHEAR | WATER CONTENT, % | | | | |
| | DRY DENSITY, PCF | | | | |
| | SATURATION, % | | | | |
| | VOID RATIO | | | | |
| | BACK PRESSURE, TSF | | | | |
| CHAMBER PRESSURE, TSF | | .50 | 1.50 | 3.00 | |
| MAX. DEV. STRESS, TSF | | .72 | .95 | .87 | .85 |
| TIME TO FAILURE, MIN. | | 11 | 25 | 26 | |
| STRAIN RATE INCR., % | | | | 7 | |
| INITIAL DIAMETER, IN. | | 1.36 | 1.36 | 1.36 | |
| INITIAL HEIGHT, IN. | | 3.00 | 3.00 | 3.00 | |

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY; SLICKENSIDED

| LL 73 | PL 18 | PI 55 | GS 2.70 (ESTIMATED) | UNDISTURBED SPECIMEN | Q TEST |
|---|---|---|---|---|---|

REMARKS:

PROJECT INTRACOASTAL WATERWAY LOCKS, LA

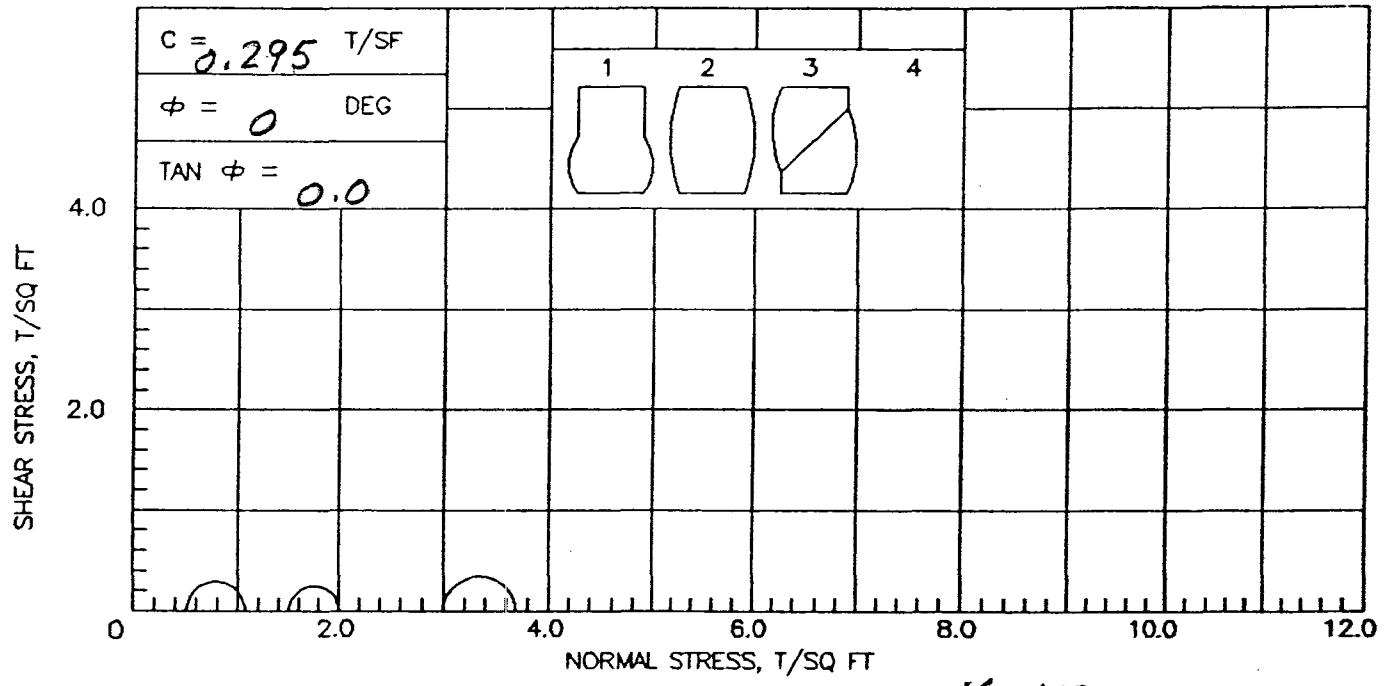
BAYOU SORREL LOCK

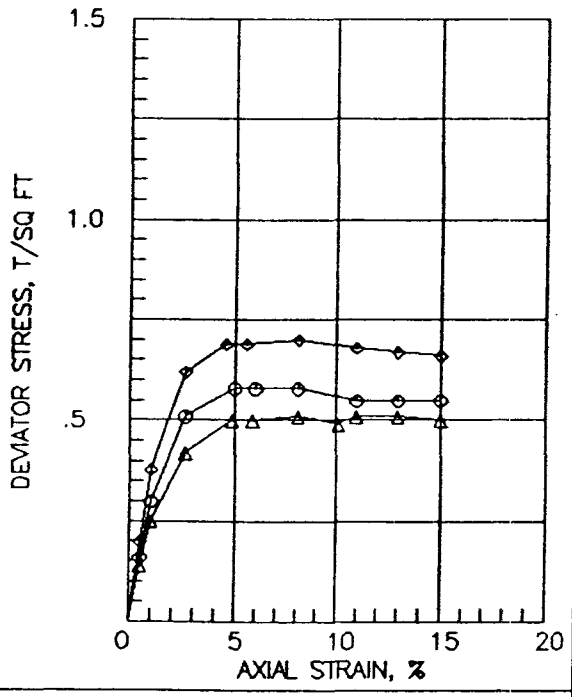
BORING NO. 5 BYSU — SAMPLE NO. 5B

DEPTH/ELEV 16.5/-8.5 — TECH. JH

LABORATORY USAE WES - STF/GL — DATE 29 JUL 94

TRIAXIAL COMPRESSION TEST REPORT




γ = 112

| SPECIMEN NO. | | ○ 1 | △ 2 | ◇ 3 | 4 |
|---|---|---|---|---|---|
| INITIAL | WATER CONTENT, % | 41.0 | 46.1 | 41.8 | 42.79 |
| | DRY DENSITY, PCF | 80.3 | 75.1 | 79.2 | 78.20 |
| | SATURATION, % | 100+ | 100+ | 100+ | 100 |
| | VOID RATIO | 1.099 | 1.244 | 1.129 | |
| BEFORE SHEAR | WATER CONTENT, % | | | | |
| | DRY DENSITY, PCF | | | | |
| | SATURATION, % | | | | |
| | VOID RATIO | | | | |
| | BACK PRESSURE, TSF | | | | |
| CHAMBER PRESSURE, TSF | | .50 | 1.50 | 3.00 | |
| MAX. DEV. STRESS, TSF | | .58 | .50 | .69 | .59 |
| TIME TO FAILURE, MIN. | | 11 | 15 | 15 | |
| STRAIN RATE INCR., % | | | 10 | 7 | |
| INITIAL DIAMETER, IN. | | 1.35 | 1.35 | 1.36 | |
| INITIAL HEIGHT, IN. | | 3.00 | 3.00 | 3.00 | |

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY; SILT SEAMS

| LL | PL | PI | GS 2.70 (ESTIMATED) | UNDISTURBED SPECIMEN | Q TEST |
|---|---|---|---|---|---|

REMARKS:

PROJECT INTRACOASTAL WATERWAY LOCKS, LA

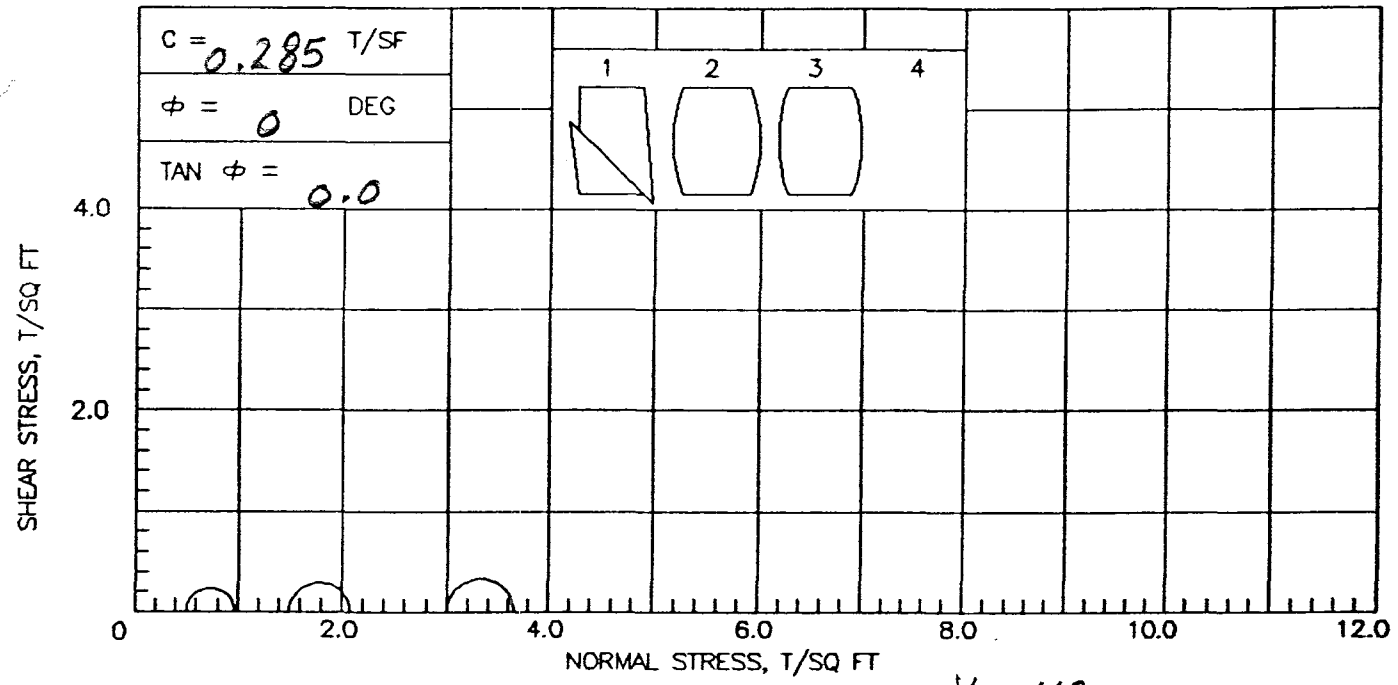
BAYOU SORREL LOCK

BORING NO. 5 BYSU | SAMPLE NO. 8C

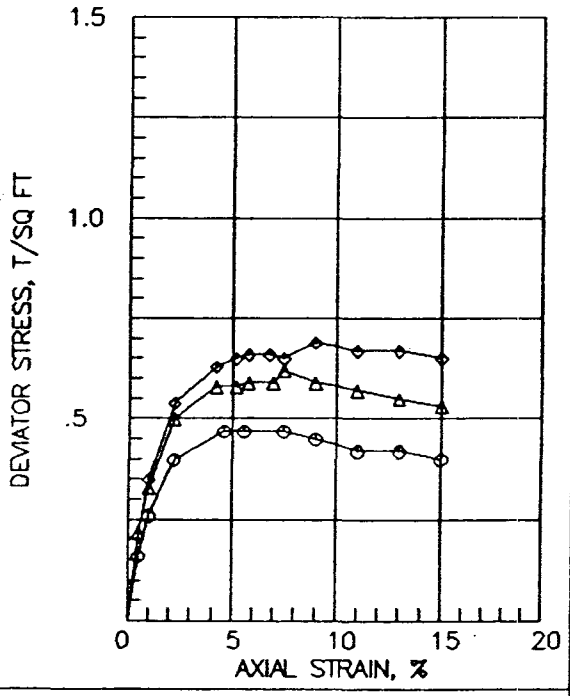
DEPTH/ELEV 29.0 / -21.0 | TECH. JH

LABORATORY USAE WES - STF/GL | DATE 29 JUL 94

TRIAXIAL COMPRESSION TEST REPORT




γ = 112




| | SPECIMEN NO. | ○ 1 | △ 2 | ◇ 3 | 4 |
|---|---|---|---|---|---|
| INITIAL | WATER CONTENT, % | 46.6 | 45.8 | 40.0 | 44.57 |
| | DRY DENSITY, PCF | 75.3 | 75.8 | 80.8 | 77.30 |
| | SATURATION, % | 100+ | 100+ | 99.5 | 100 |
| | VOID RATIO | 1.240 | 1.225 | 1.086 | |
| BEFORE SHEAR | WATER CONTENT, % | | | | |
| | DRY DENSITY, PCF | | | | |
| | SATURATION, % | | | | |
| | VOID RATIO | | | | |
| | BACK PRESSURE, TSF | | | | |
| CHAMBER PRESSURE, TSF | | .50 | 1.50 | 3.00 | |
| MAX. DEV. STRESS, TSF | | .47 | .58 | .66 | .57 |
| TIME TO FAILURE, MIN. | | 10 | 18 | 26 | |
| STRAIN RATE INCR., % | | | 7 | 7 | |
| INITIAL DIAMETER, IN. | | 1.36 | 1.36 | 1.36 | |
| INITIAL HEIGHT, IN. | | 3.00 | 3.00 | 3.00 | |

CONTROLLED-STRAIN TEST

DESCRIPTION OF SPECIMENS: CLAY (CH), GRAY; ORGANIC MATERIAL

| LL 59 | PL 21 | PI 38 | GS 2.70 (ESTIMATED) | UNDISTURBED SPECIMEN | Q TEST |
|---|---|---|---|---|---|

REMARKS:

PROJECT INTRACOASTAL WATERWAY LOCKS, LA

BAYOU SORREL LOCK

BORING NO. 5 BYSU | SAMPLE NO. 10B

DEPTH/ELEV 36.0/-28.0 | TECH. JH

LABORATORY USAE WES - STF/GL | DATE 02 AUG 94

TRIAXIAL COMPRESSION TEST REPORT