APPENDIX G

TEST ROOMS
GEOLOGIC MAPS AND SECTIONS

CONTENTS

The following descriptions pertain to the geologic map units shown on Figures G-1 through G-4:

UNIT DESCRIPTIONS

UNIT 6[1] Halite: colorless with grayish orange-pink (1 OR 8/2)[2] tint; transparent to translucent; coarsely crystalline; trace of dispersed polyhalite; unit extends into the roof; lower contact with Unit 5 is gradational and/or diffuse.

UNIT 5 Halite: colorless; transparent to translucent; coarsely crystalline; trace of bluish-white (5B 9/1) to light bluish-gray (5B 7/1) argillaceous material occurring as pods (1/2-inch diameter) and discontinuous laminations or filling interstices; lower contact with Unit 4 is generally sharp and based on prominent color change in argillaceous material (gray to red-brown) from Unit 5 to Unit 4.

UNIT 4 Argillaceous halite: colorless to moderate reddish-brown (1 OR 4/6), less frequently light bluish-gray (5B 7/1); transparent; coarsely crystalline; trace of dispersed polyhalite; trace to abundant argillaceous material (decreasing downward) consisting of clay containing a trace of silt and fine crystals of halite, occurring as discontinuous laminations in upper half of unit and interstitially in lower half; lower contact with Unit 3 is gradational and based on absence of argillaceous material in Unit 3.

UNIT 3 Halite: colorless to moderate reddish-orange (1 OR 6/6); transparent to translucent; coarsely crystalline; trace of dispersed polyhalite; polyhalite content commonly increases downward; lower contact with Unit 2 is sharp.

UNIT 2 Argillaceous halite: moderate reddish-brown (1 OR 5/5), less frequently light bluish-gray (5B 7/1); medium to coarsely crystalline; argillaceous material primarily occurs interstitially or as discontinuous laminations; lower contact with Unit 1 is generally sharp, less frequently gradational.

UNIT 1 Halite: light reddish-orange (1 OR 8/6) to moderate reddish-orange (1 OR 6/6), less frequently colorless; translucent to transparent; medium to coarsely crystalline; trace of dispersed polyhalite; lower contact with Unit 0 is sharp.

UNIT 0 Argillaceous halite: colorless to moderate reddish-orange (1 OR 6/6) and moderate reddish-brown (1 OR 4/6); medium to coarsely crystalline; trace of dispersed polyhalite; some argillaceous material occurs as discontinuous laminations and blebs or fills interstices (decreasing downward); contains finely crystalline halite; unit extends into the floor.

NOTES:

(1) Units listed in descending order from roof to floor.

(2) Alpha-numeric color designations are based on Geological Society of America Rock Color Chart.

The following legend and notes pertain to the geologic maps shown on Figures G-1 through G-4:

LEGEND:

CONTACTS

——————— SHARP (LESS THAN 0.05 FEET)

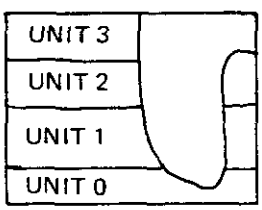
——— ——— ——— GRADATIONAL (0.05 TO 0.2 FEET)

. . . . . DIFFUSE (0.2 TO 0.5 FEET)

WEEP

DAMP AREA WITH 1/4" TO 3/4" DIAMETER KNOBS AND INCRUSTATIONS OF FINELY-CRYSTALLINE HALITE.

BREAKS IN BED CONTINUITY

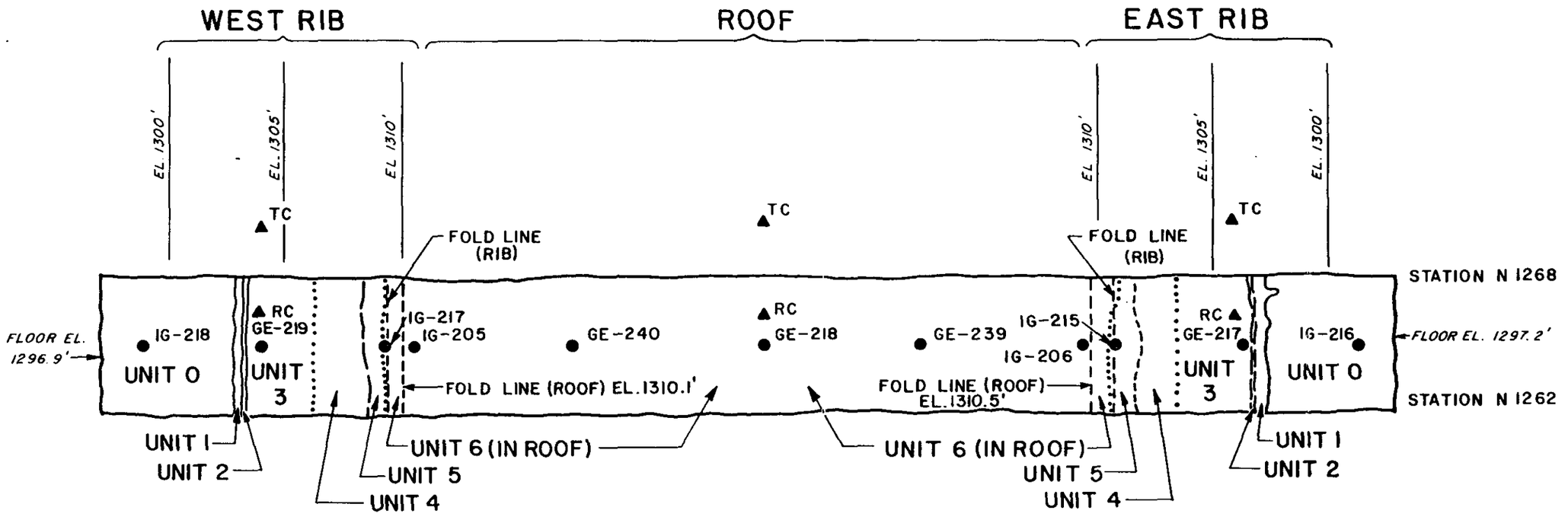


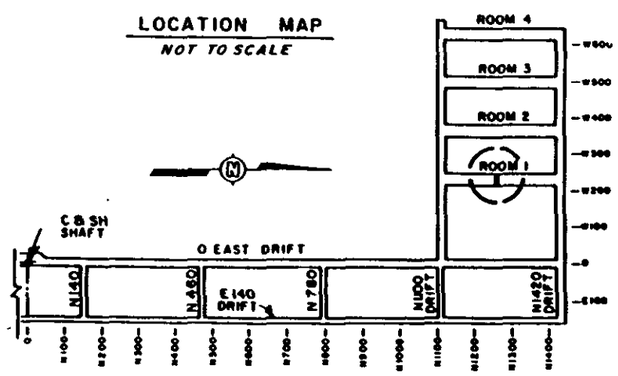
SYN- OR IMMEDIATELY POST-DEPOSITIONAL DISSOLUTION OR SCOUR CHANNELS FILLED WITH SEDIMENT FROM OVERLYING UNIT. (TYPICAL)

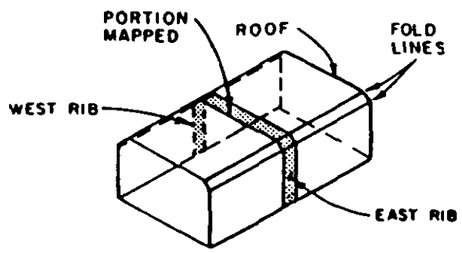
NOTES:

1. VERTICAL CONTROL FOR MAPPING IS MEAN SEA LEVEL (MSL) REFERENCED TO UNDERGROUND SURVEY POINTS ESTABLISHED BY CEMENTATION WEST, INC.
2. HORIZONTAL CONTROL FOR MAPPING REFERENCED TO ZERO POINT AT CENTER-LINE OF C&SH SHAFT.

DRAWN BY | CHECKED BY | APPROVED BY | DRAWING NUMBER







SCHEMATIC SECTION

NOT TO SCALE

EXPLANATION

FOR UNIT DESCRIPTIONS, LEGEND AND NOTES SEE FRONT OF THIS APPENDIX.

- ● IG-217 INCLINOMETER
- ● GE-218 BOREHOLE EXTENSOMETER
- ▲ RC/TC CONVERGENCE POINTS

5 0 5 FEET

SCALE

REFERENCE:

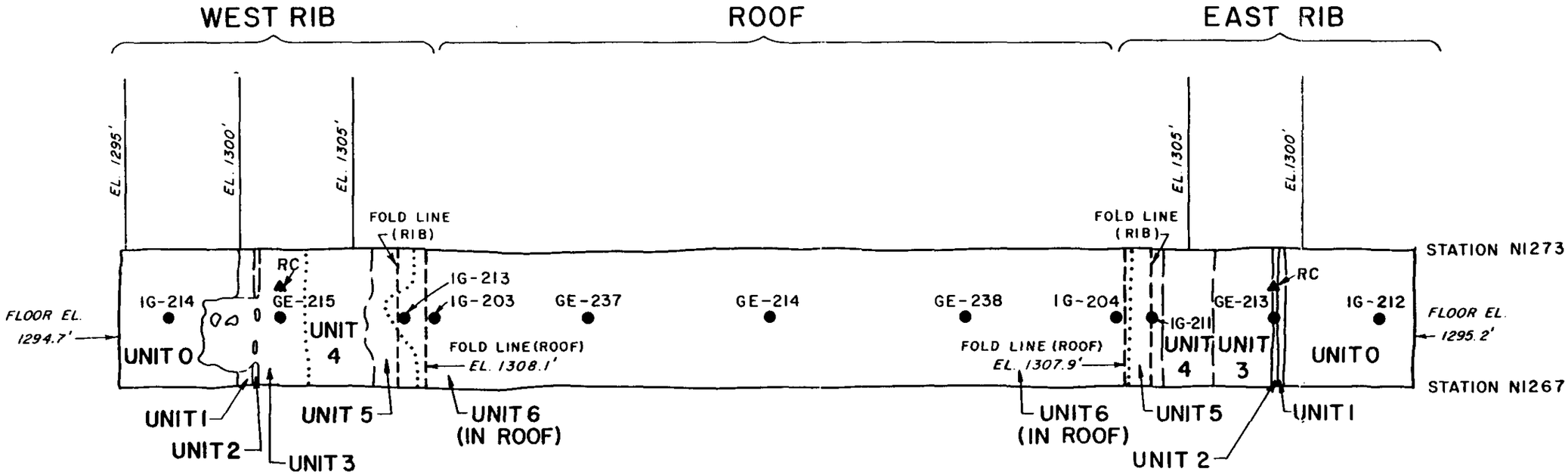
QUARTERLY GEOTECHNICAL FIELD DATA REPORT, JULY 1983, WIPP-DOE-163.

FIGURE G-1

TEST ROOM 1

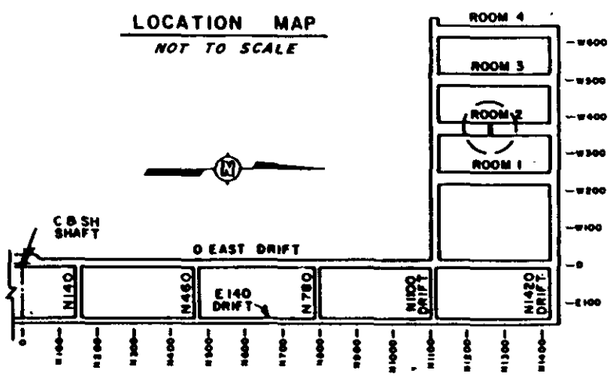
INSTRUMENT ARRAY GEOLOGIC STRIP MAP

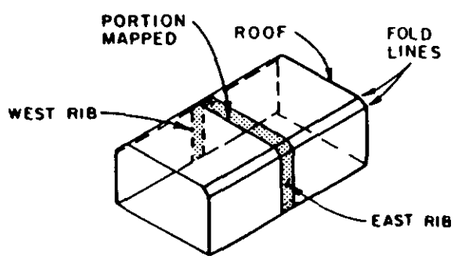
DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
[illegible] 12-28-83	[illegible] 1/27/84	RLH 1-28-83	



LOCATION MAP

NOT TO SCALE





SCHEMATIC SECTION

NOT TO SCALE

EXPLANATION

FOR UNIT DESCRIPTIONS, LEGEND AND NOTES SEE FRONT OF THIS APPENDIX.

EAST RIB - MAPPING UNIT CONTACTS ARE OBSCURED BY GROUT TO 2' SOUTH AND 4' NORTH OF INSTRUMENT LINE. INDICATED CONTACTS ARE PROJECTED FROM THESE POINTS.

- ● IG-215 INCLINOMETER
- ● GE-214 BOREHOLE EXTENSOMETER
- ▲ RC/TC CONVERGENCE POINTS

5 0 5 FEET

SCALE

REFERENCE:

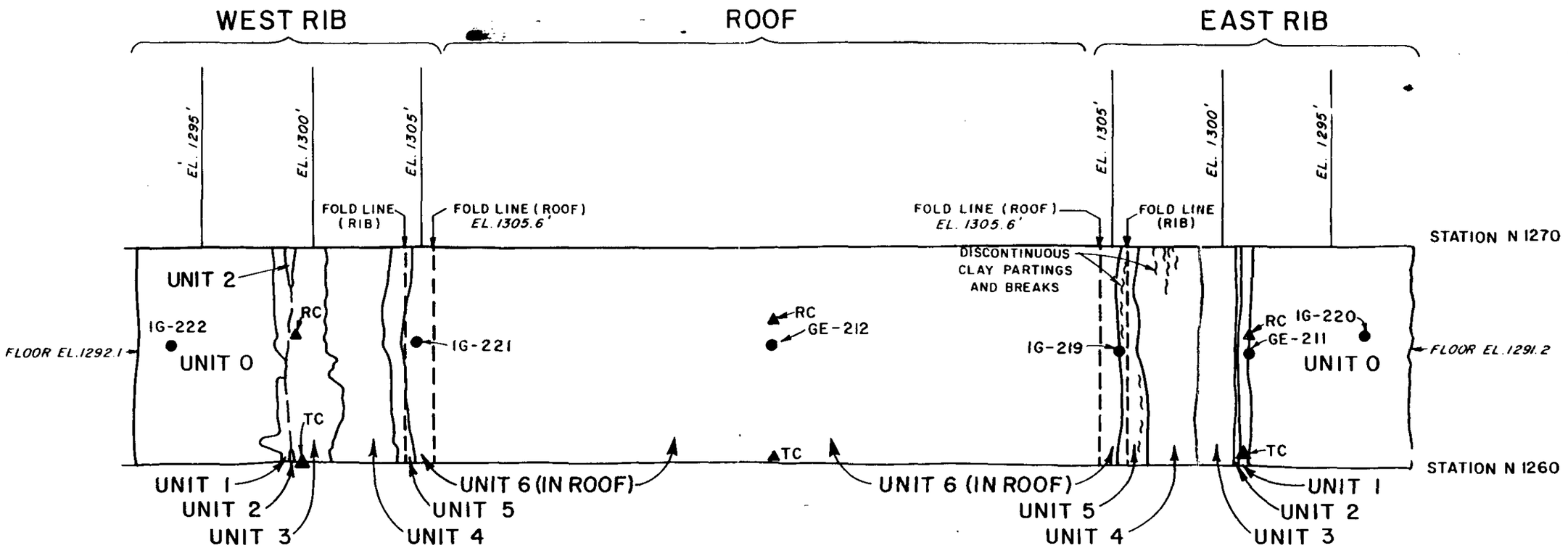
QUARTERLY GEOTECHNICAL FIELD DATA REPORT, JULY 1983, WIPP-DOE-163.

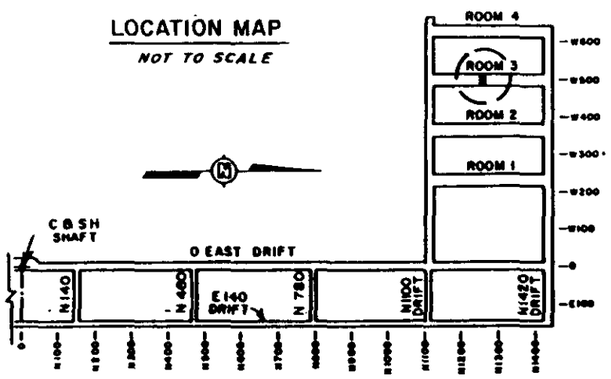
FIGURE G-2

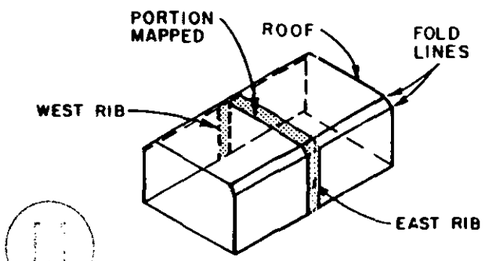
TEST ROOM 2

INSTRUMENT ARRAY GEOLOGIC STRIP MAP

DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
R.C.H.	W.T.T.	D.W.M.	7-22-83
7-22-83	7-22-83	7-22-83	7-22-83







SCHEMATIC SECTION

NOT TO SCALE

EXPLANATION

FOR UNIT DESCRIPTIONS, LEGEND AND NOTES SEE FRONT OF THIS APPENDIX.

- ● IG-221 INCLINOMETER
- ● GE-211 BOREHOLE EXTENSOMETER
- ▲ RC/TC CONVERGENCE POINTS

5 0 5 FEET

SCALE

REFERENCE:

QUARTERLY GEOTECHNICAL FIELD DATA REPORT, JULY 1983, WIPP-DOE-163.

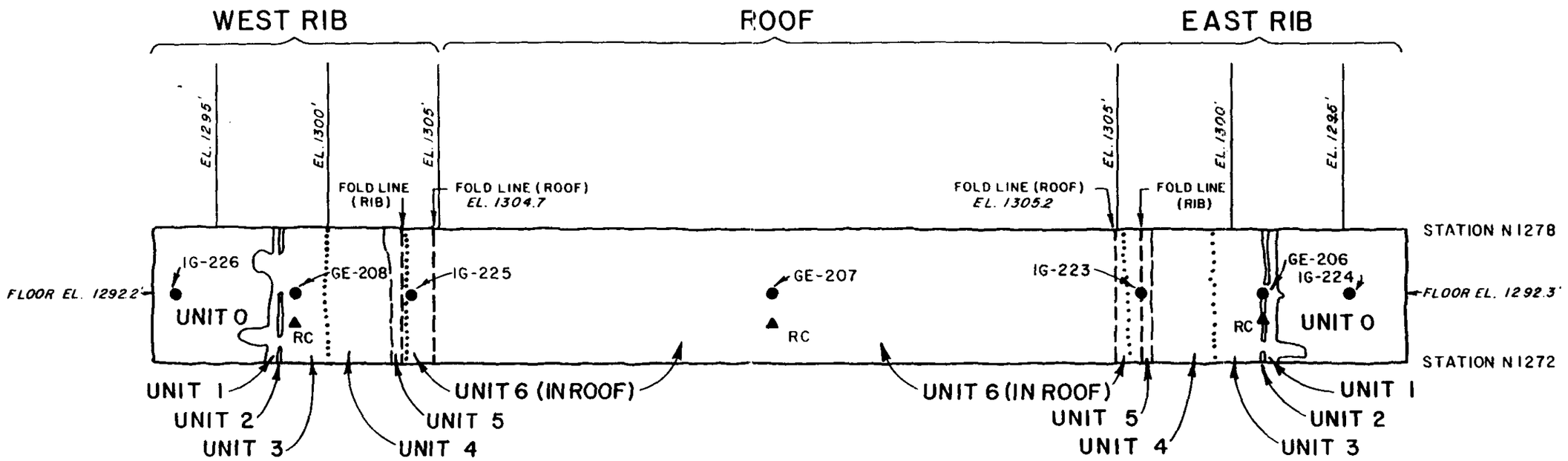
FIGURE G-3

TEST ROOM 3

INSTRUMENT ARRAY GEOLOGIC STRIP MAP

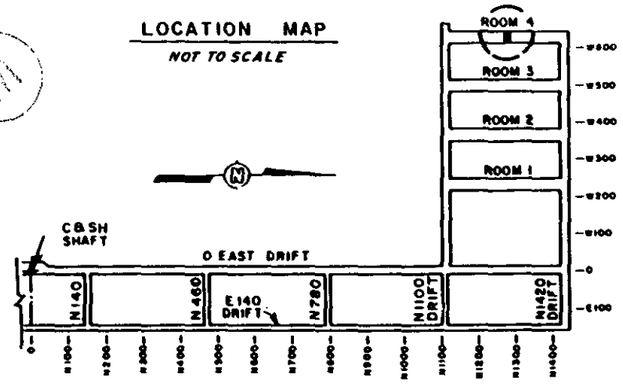
080-B

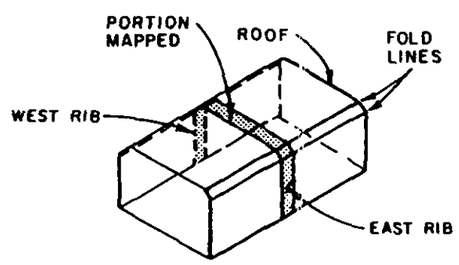
DRAWN BY	CHECKED BY	APPROVED BY	DRAWING NUMBER
L A 5/19/83			NM78-648-8



LOCATION MAP

NOT TO SCALE





SCHEMATIC SECTION

NOT TO SCALE

EXPLANATION

FOR UNIT DESCRIPTIONS, LEGEND AND NOTES SEE FRONT OF THIS APPENDIX.

- ● IG-225 INCLINOMETER
- ● GE-207 BOREHOLE EXTENSOMETER
- ▲ RC/TC CONVERGENCE POINTS

5 0 5 FEET

SCALE

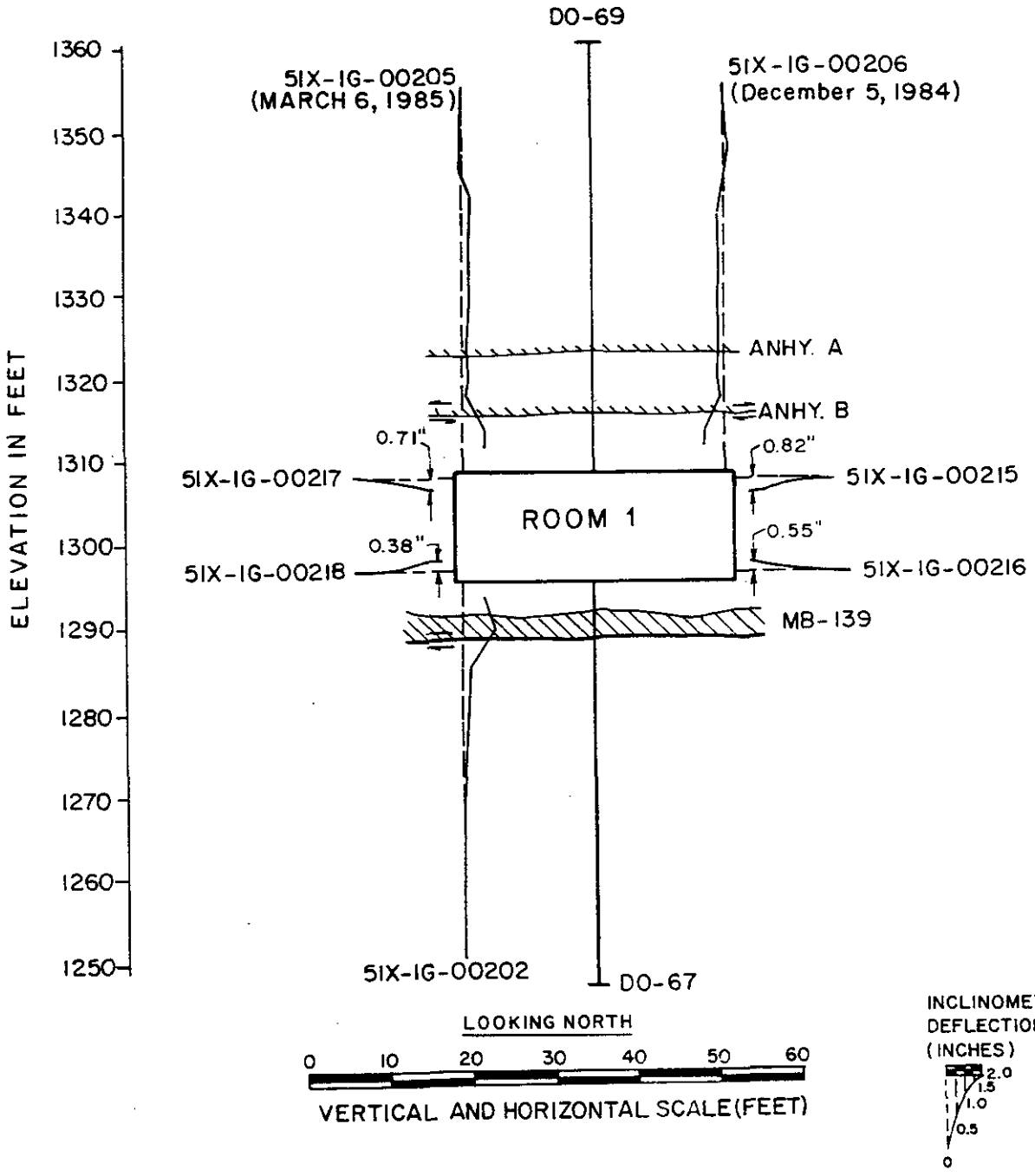
REFERENCE:

QUARTERLY GEOTECHNICAL FIELD DATA REPORT, JULY 1983, WIPP-DOE-163.

FIGURE G-4

TEST ROOM 4

INSTRUMENT ARRAY GEOLOGIC STRIP MAP



EXPLANATION

ANHYDRITE UNIT

CLAY, AT LOWER CONTACT OF MB-139.

ORIGINAL (DASHED LINE) AND DEFLECTED (SOLID LINE) POSITIONS OF INCLINOMETER. EXAGGERATED SCALE AS SHOWN.

BOREHOLE WITH OBSERVED OFFSET (NOT TO SCALE), SHOWING RELATIVE MOVEMENTS.

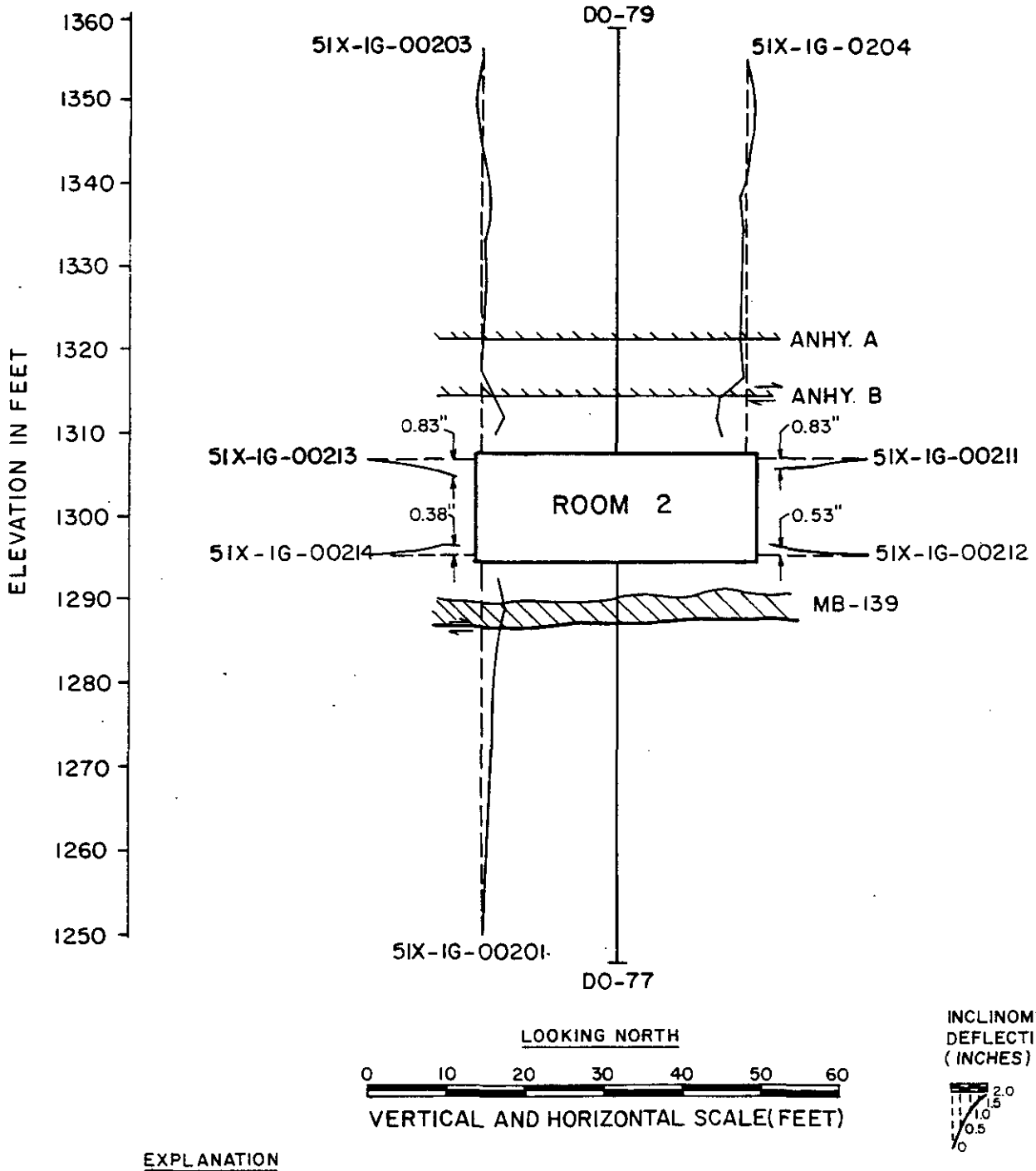
VERTICAL COREHOLE

NOTES

1. INCLINOMETER DATA AS OF AUG. 20, 1985 UNLESS NOTED OTHERWISE.
2. OFFSETS IN BOREHOLES ARE NOT DRAWN TO SCALE; ONLY RELATIVE MOVEMENTS ARE SHOWN.

FIGURE G-5

SECTION THROUGH TEST ROOM 1



EXPLANATION

ANHYDRITE UNIT

CLAY, AT LOWER CONTACT OF MB-139.

ORIGINAL (DASHED LINE) AND DEFLECTED (SOLID LINE) POSITIONS OF INCLINOMETER. EXAGGERATED SCALE AS SHOWN.

BOREHOLE WITH OBSERVED OFFSET (NOT TO SCALE), SHOWING RELATIVE MOVEMENTS.

VERTICAL COREHOLE

DO-77

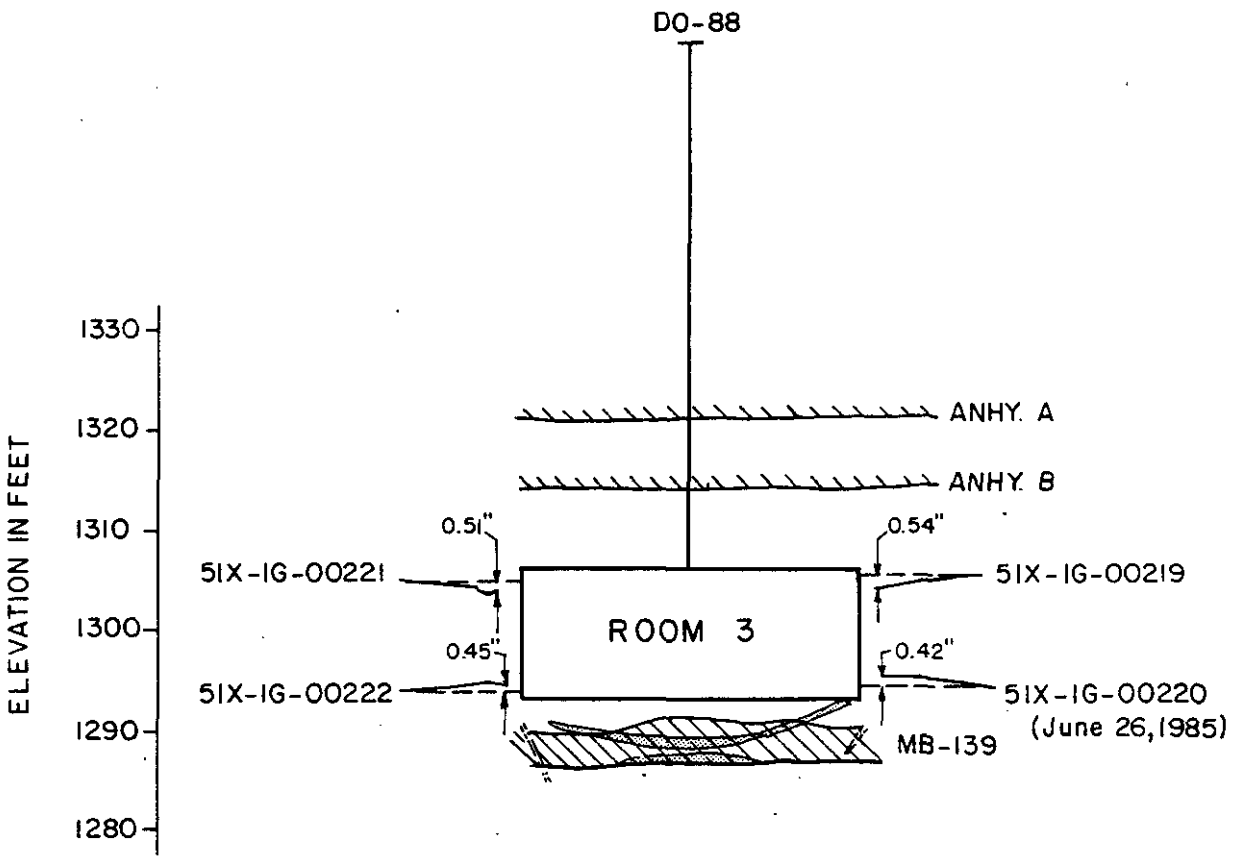
NOTES

1. INCLINOMETER DATA AS OF AUG. 20, 1985 UNLESS NOTED OTHERWISE.

2. OFFSETS IN BOREHOLES ARE NOT DRAWN TO SCALE; ONLY RELATIVE MOVEMENTS ARE SHOWN.

FIGURE G-6

SECTION THROUGH TEST ROOM 2



LOOKING NORTH

0 10 20 30 40 50 60

VERTICAL AND HORIZONTAL SCALE (FEET)

INCLINOMETER DEFLECTION SCALE (INCHES)

2.0 1.5 1.0 0.5 0

EXPLANATION

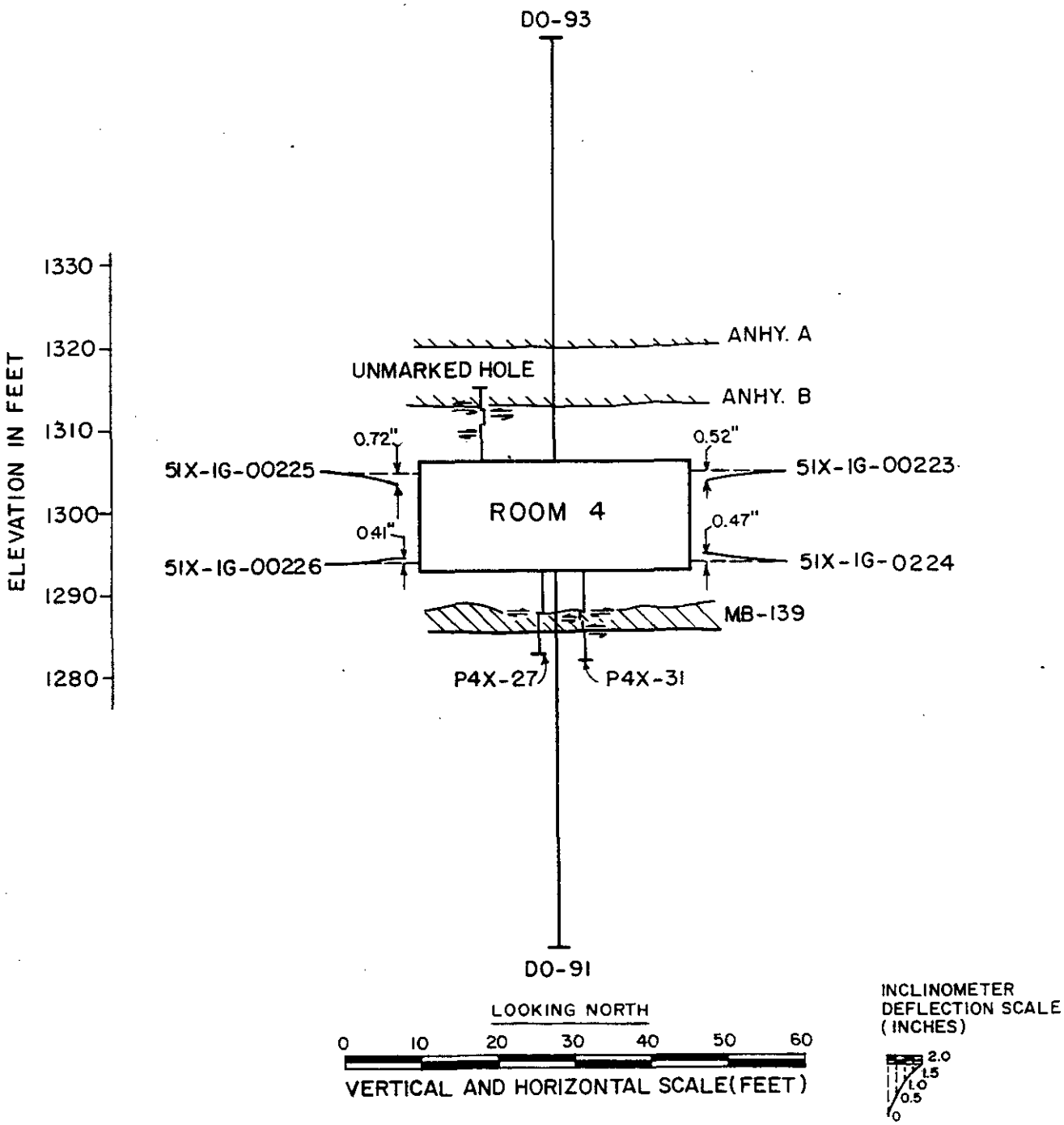
- ANHYDRITE UNIT
- FRACTURE ZONE
- CLAY, AT LOWER CONTACT OF MB-139.
- OPEN FRACTURE
- ORIGINAL (DASHED LINE) AND DEFLECTED (SOLID LINE) POSITIONS OF INCLINOMETER. EXAGGERATED SCALE AS SHOWN.
- BOREHOLE WITH OBSERVED OFFSET (NOT TO SCALE), SHOWING RELATIVE MOVEMENTS.
- DO-88 VERTICAL COREHOLE

NOTES

1. OPEN FRACTURES AND FRACTURE ZONES SHOWN BELOW ROOM 3 ARE GENERALIZED FROM GEOLOGIC MAPPING OF LARGE (36-INCH) DIAMETER BOREHOLES. INFORMATION ON FRACTURES BELOW OTHER ROOMS IS INCOMPLETE.
2. INCLINOMETER DATA AS OF AUG. 20, 1985 UNLESS NOTED OTHERWISE.
3. OFFSETS IN BOREHOLES ARE NOT DRAWN TO SCALE; ONLY RELATIVE MOVEMENTS ARE SHOWN.

FIGURE G-7

SECTION THROUGH TEST ROOM 3



EXPLANATION

- ANHYDRITE UNIT
- CLAY, AT LOWER CONTACT OF MB-139.
- ORIGINAL (DASHED LINE) AND DEFLECTED (SOLID LINE) POSITIONS OF INCLINOMETER. EXAGGERATED SCALE AS SHOWN.
- BOREHOLE WITH OBSERVED OFFSET (NOT TO SCALE), SHOWING RELATIVE MOVEMENTS.
- VERTICAL COREHOLE

DO-91

NOTES

1. INCLINOMETER DATA AS OF AUG. 20, 1985 UNLESS NOTED OTHERWISE.
2. OFFSETS IN BOREHOLES ARE NOT DRAWN TO SCALE; ONLY RELATIVE MOVEMENTS ARE SHOWN.

FIGURE G-8

SECTION THROUGH TEST ROOM 4

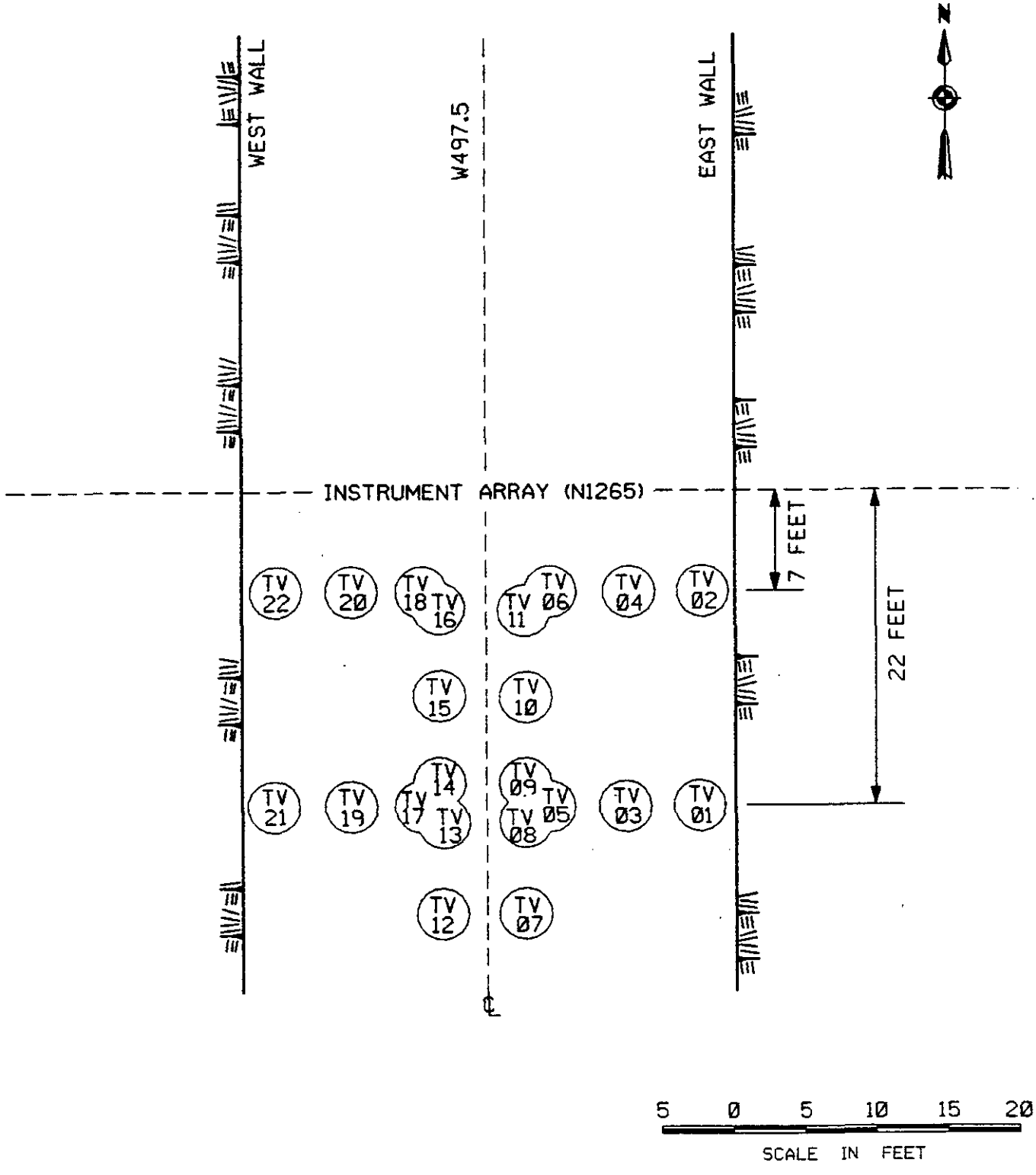
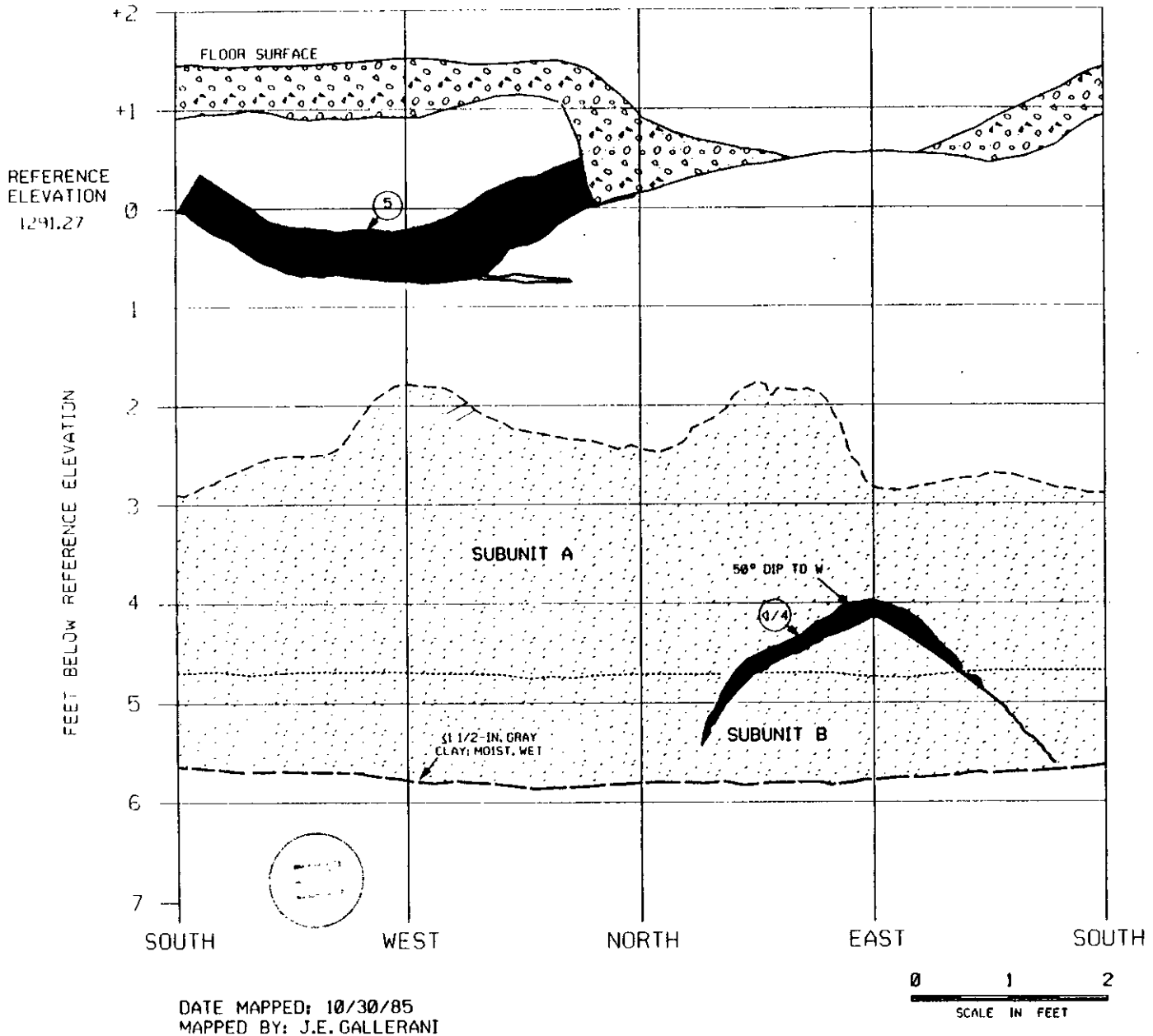


FIGURE G-9

ROOM T
LARGE DIAMETER DRILL HOLES
LOCATION PLAN



EXPLANATION

- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
- UPPER CONTACT OF MB-139
- UPPER CONTACT OF SUBUNIT B
- CLAY E (LOWER CONTACT OF MB-139)
- FRACTURE TRACE

  DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE

  ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE

  CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- (1/2) APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN THE FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

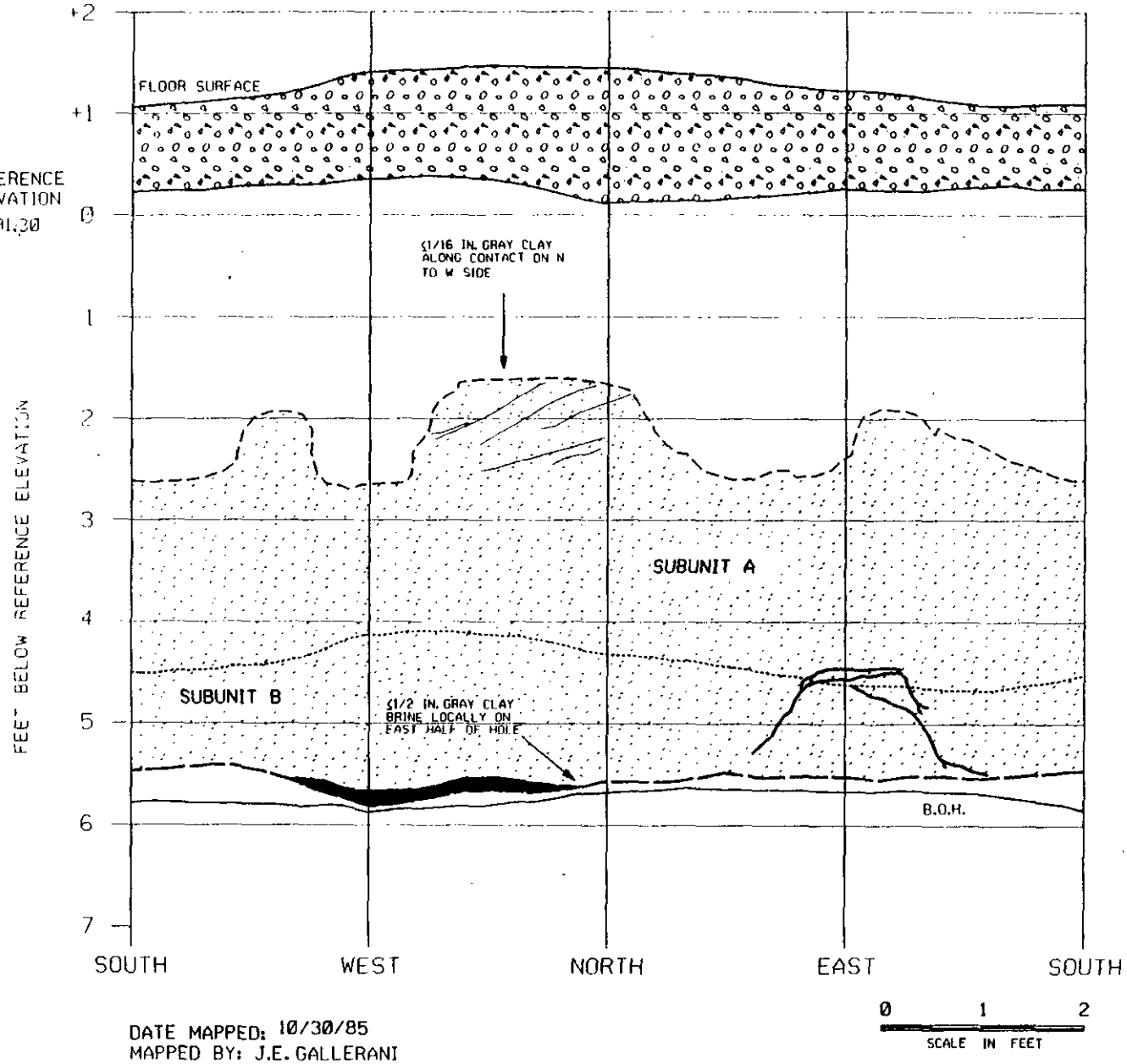
NOTES:

1. DRILL HOLE IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE THE HOLE. ALL FEATURES WERE MEASURED FROM A SURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS NOTED OTHERWISE, THE BOTTOM OF THE DRILL HOLE (B.O.H.) COINCIDES WITH CLAY E.

DATE MAPPED: 10/30/85
MAPPED BY: J.E. GALLERANI

FIGURE G-10

GEOLOGIC MAP OF DRILL HOLE TV-01



DATE MAPPED: 10/30/85
MAPPED BY: J.E. GALLERANI

0 1 2
SCALE IN FEET

EXPLANATION

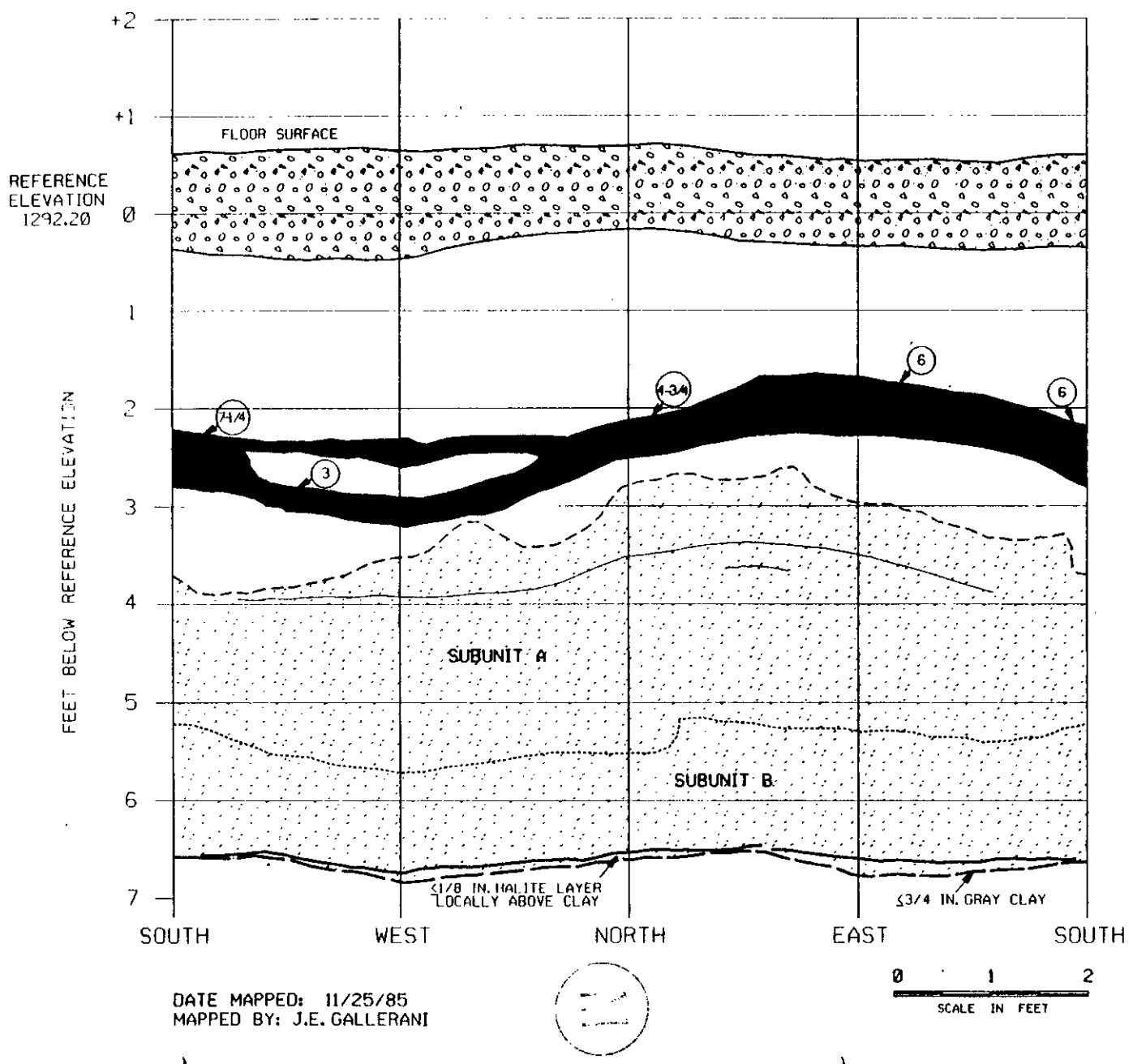
- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
- UPPER CONTACT OF MB-139
- UPPER CONTACT OF SUBUNIT B
- CLAY E (LOWER CONTACT OF MB-139)
- FRACTURE TRACE
  DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE
  ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE
  CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- (1/2) APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN THE FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

NOTES:

1. DRILL HOLE IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE THE HOLE. ALL FEATURES WERE MEASURED FROM A SURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS NOTED OTHERWISE, THE BOTTOM OF THE DRILL HOLE (B.O.H.) COINCIDES WITH CLAY E.

FIGURE G-11

GEOLOGIC MAP OF DRILL HOLE TV-02



DATE MAPPED: 11/25/85
MAPPED BY: J.E. GALLERANI

EXPLANATION

- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
- UPPER CONTACT OF MB-139
- UPPER CONTACT OF SUBUNIT B
- CLAY E (LOWER CONTACT OF MB-139)
- FRACTURE TRACE

  DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE

  ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE

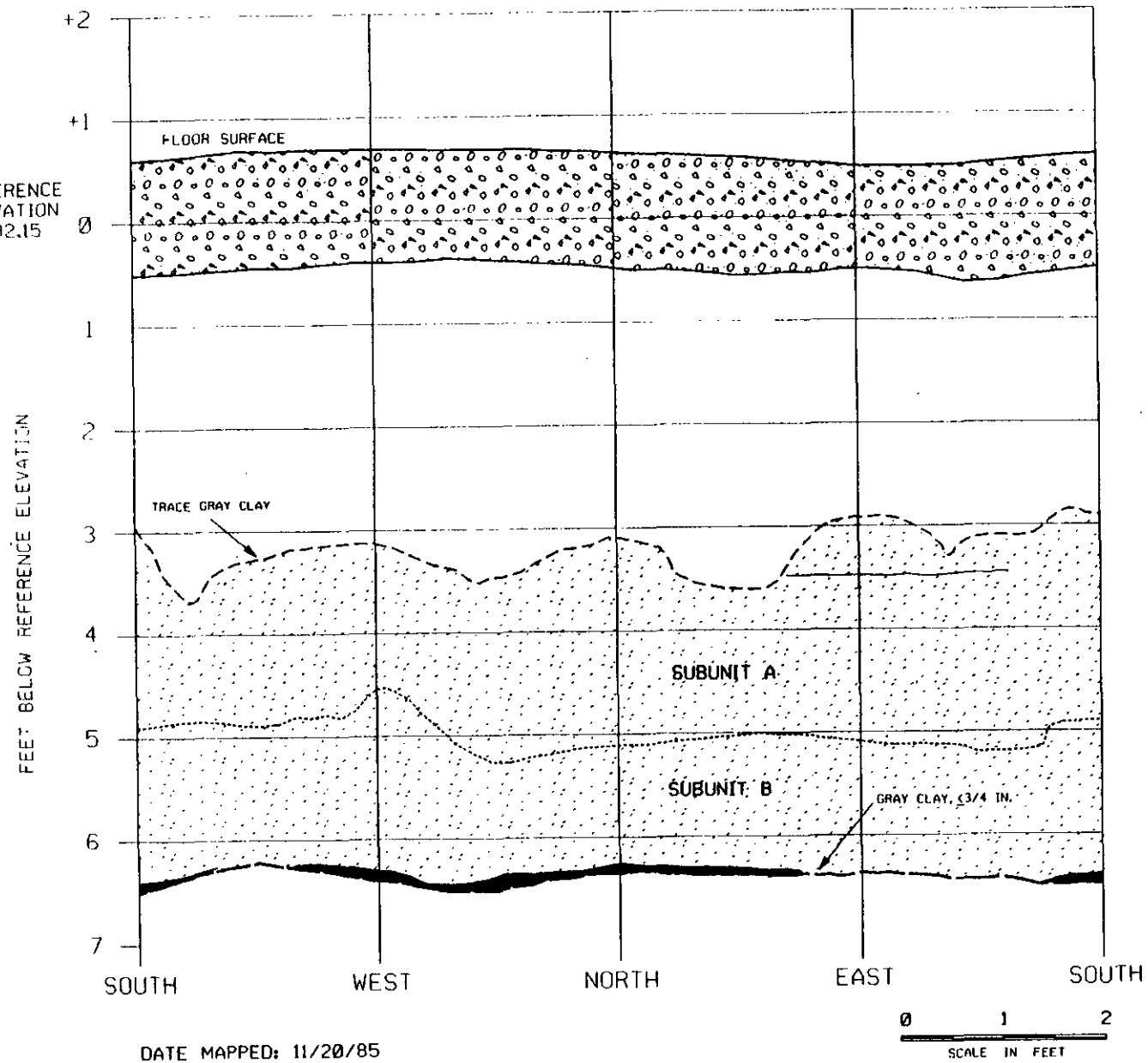
  CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- (1/2) APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN THE FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

NOTES:

1. DRILL HOLE IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE THE HOLE. ALL FEATURES WERE MEASURED FROM A SURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS NOTED OTHERWISE, THE BOTTOM OF THE DRILL HOLE (B.O.H.) COINCIDES WITH CLAY E.

FIGURE G-12

GEOLOGIC MAP OF DRILL HOLE TV-03



DATE MAPPED: 11/20/85
MAPPED BY: J.E. GALLERANI

EXPLANATION

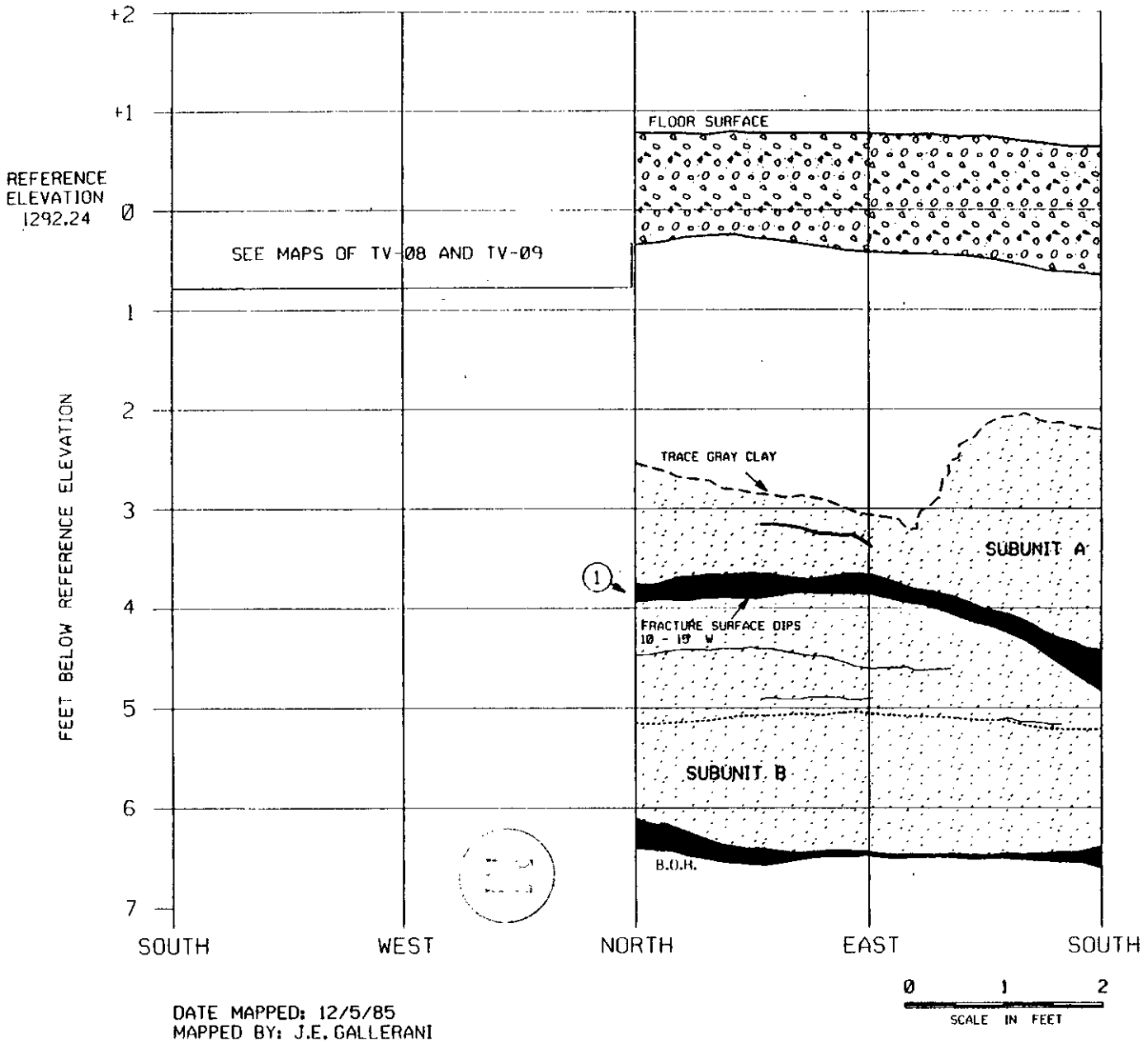
- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
- UPPER CONTACT OF MB-139
- UPPER CONTACT OF SUBUNIT B
- CLAY E (LOWER CONTACT OF MB-139)
- FRACTURE TRACE
  DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE
  ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE
  CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- (1/2) APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN THE FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

NOTES:

1. DRILL HOLE IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE THE HOLE. ALL FEATURES WERE MEASURED FROM A SURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS NOTED OTHERWISE, THE BOTTOM OF THE DRILL HOLE (B.O.H.) COINCIDES WITH CLAY E.

FIGURE G-13

GEOLOGIC MAP OF DRILL HOLE TV-04



EXPLANATION

- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
- UPPER CONTACT OF MB-139
- UPPER CONTACT OF SUBUNIT B
- CLAY E (LOWER CONTACT OF MB-139)
- FRACTURE TRACE

  DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE

  ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE

  CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- (1/2) APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN THE FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

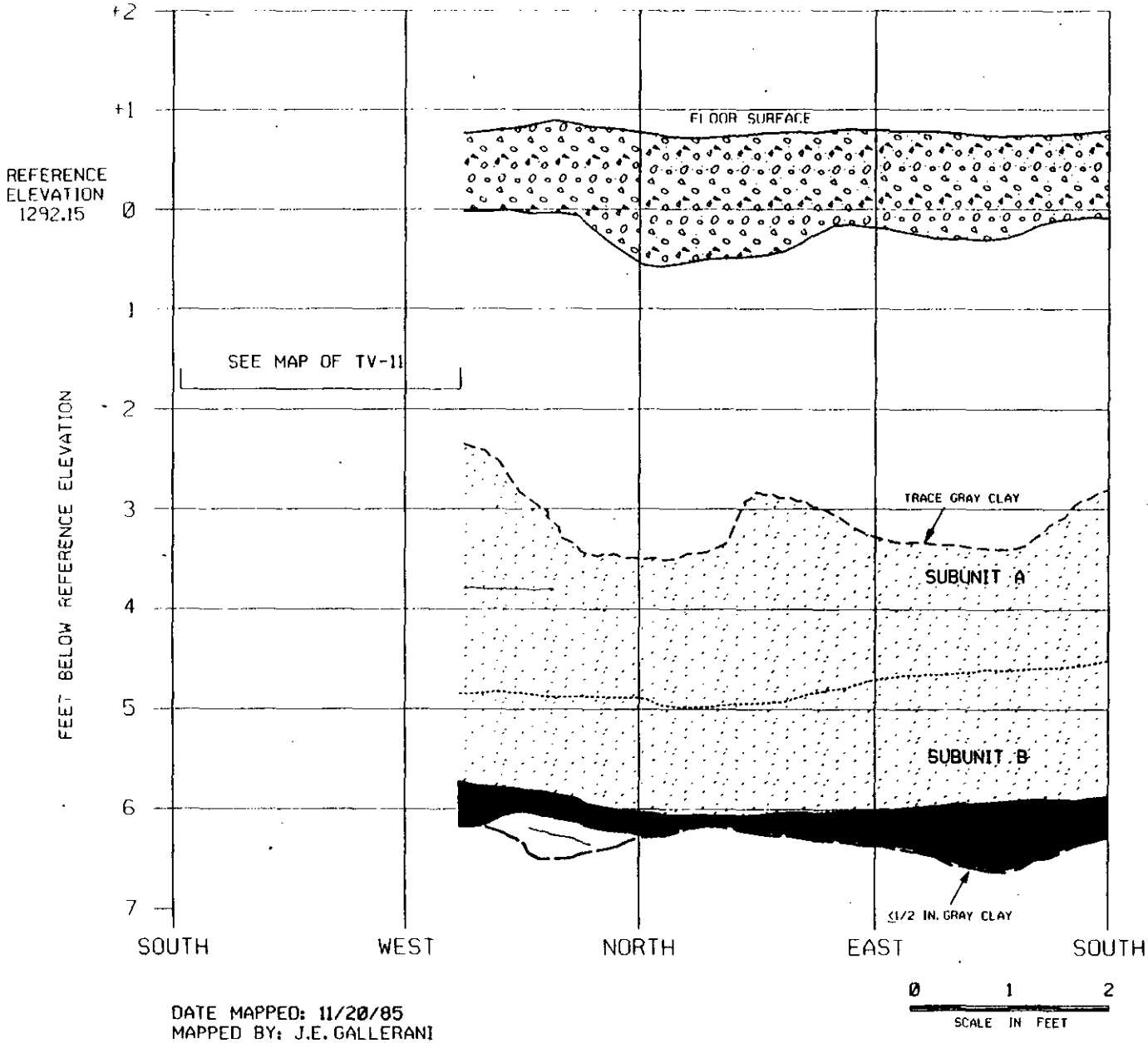
NOTES:

1. DRILL HOLE IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE THE HOLE. ALL FEATURES WERE MEASURED FROM A SURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS NOTED OTHERWISE, THE BOTTOM OF THE DRILL HOLE (B.O.H.) COINCIDES WITH CLAY E.

DATE MAPPED: 12/5/85
MAPPED BY: J.E. GALLERANI

FIGURE G-14

GEOLOGIC MAP OF DRILL HOLE TV-05



EXPLANATION

- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
- UPPER CONTACT OF MB-139
- UPPER CONTACT OF SUBUNIT B
- CLAY E (LOWER CONTACT OF MB-139)
- FRACTURE TRACE

  DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE

  ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE

  CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- 1/2 APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN THE FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

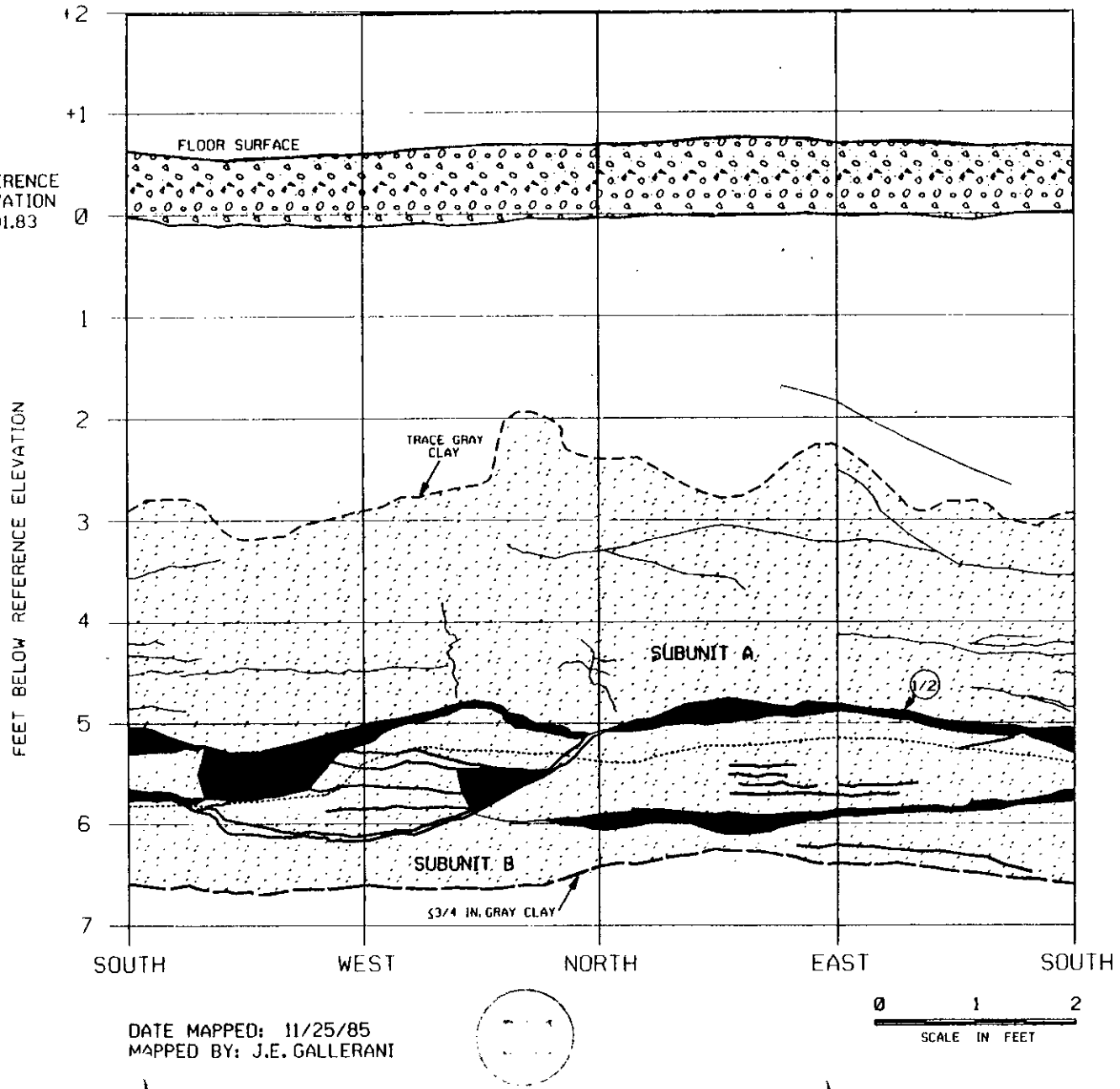
NOTES:

1. DRILL HOLE IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE THE HOLE. ALL FEATURES WERE MEASURED FROM A SURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS NOTED OTHERWISE, THE BOTTOM OF THE DRILL HOLE (B.O.H.) COINCIDES WITH CLAY E.

DATE MAPPED: 11/20/85
MAPPED BY: J.E. GALLERANI

FIGURE G-15

GEOLOGIC MAP OF DRILL HOLE TV-06



DATE MAPPED: 11/25/85
MAPPED BY: J.E. GALLERANI

EXPLANATION

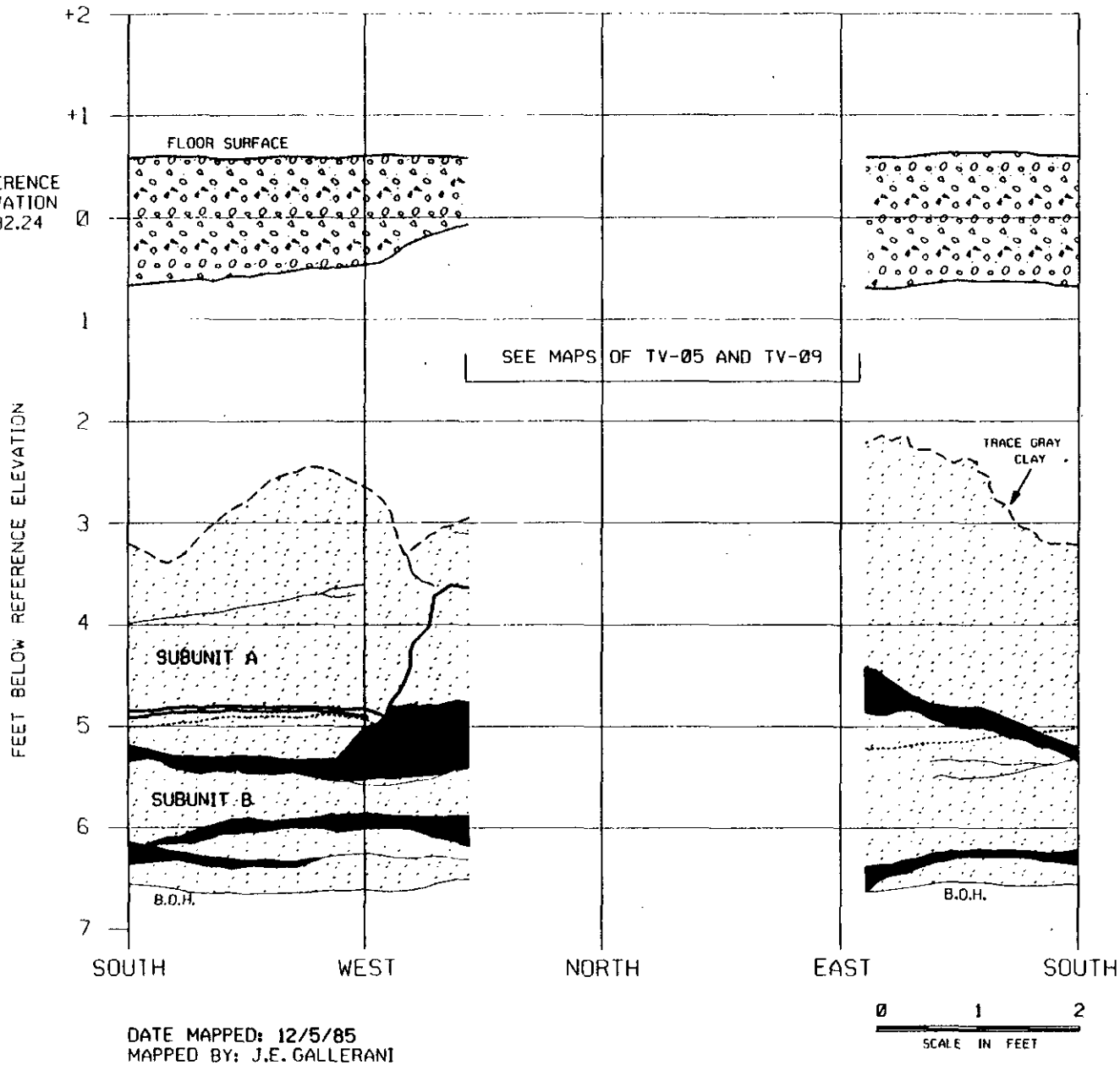
- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
- UPPER CONTACT OF MB-139
- UPPER CONTACT OF SUBUNIT B
- CLAY E (LOWER CONTACT OF MB-139)
- FRACTURE TRACE
  DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE
  ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE
  CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- (1/2) APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN THE FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

NOTES:

1. DRILL HOLE IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE THE HOLE. ALL FEATURES WERE MEASURED FROM A SURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS NOTED OTHERWISE, THE BOTTOM OF THE DRILL HOLE (B.O.H.) COINCIDES WITH CLAY E.

FIGURE G-16

GEOLOGIC MAP OF DRILL HOLE TV-07



EXPLANATION

- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
- UPPER CONTACT OF MB-139
- UPPER CONTACT OF SUBUNIT B
- CLAY E (LOWER CONTACT OF MB-139)
- FRACTURE TRACE

  DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE

  ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE

  CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- (1/2) APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN THE FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

0 1 2
SCALE IN FEET

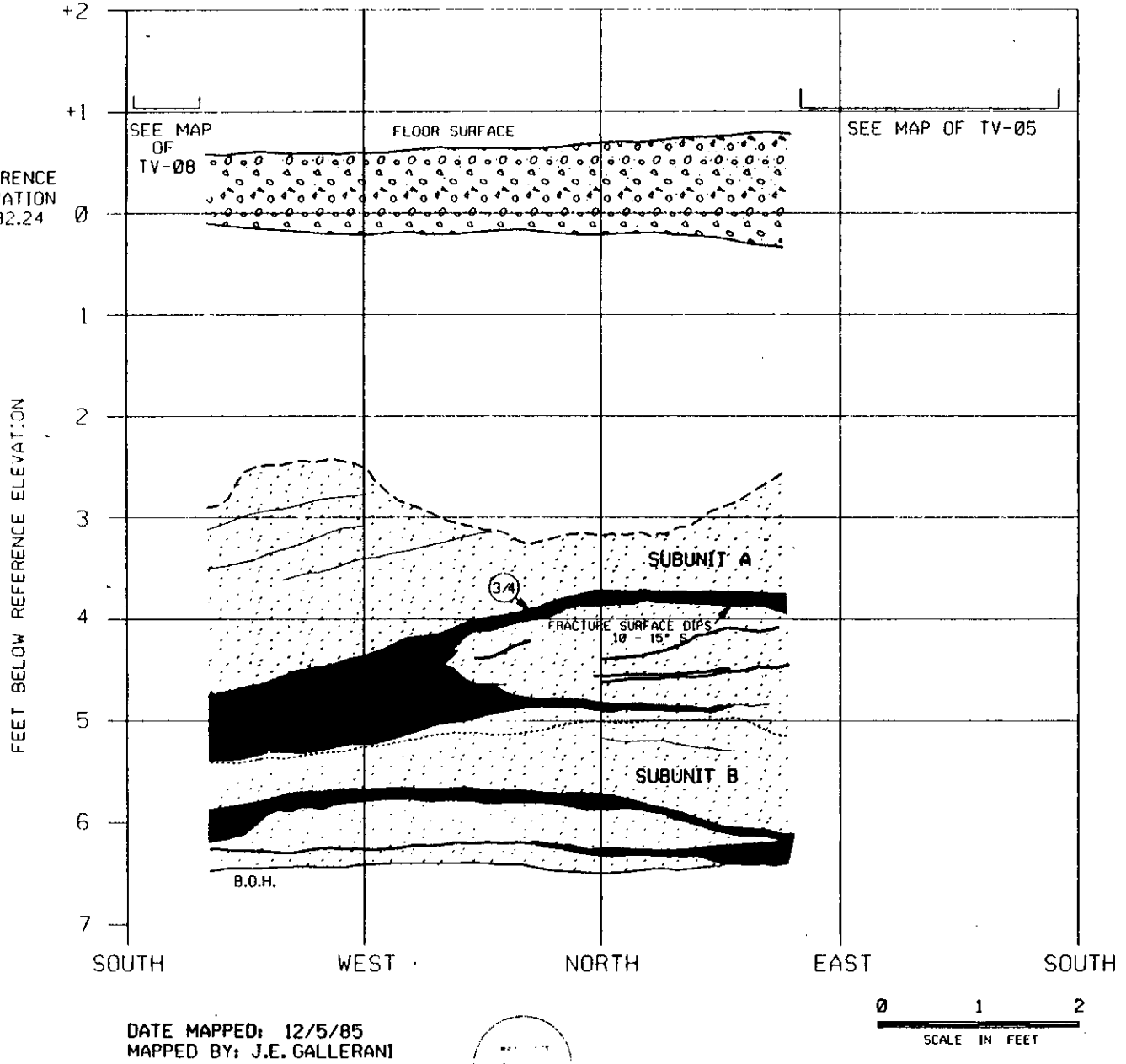
DATE MAPPED: 12/5/85
MAPPED BY: J.E. GALLERANI

NOTES:

1. DRILL HOLE IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE THE HOLE. ALL FEATURES WERE MEASURED FROM A SURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS NOTED OTHERWISE, THE BOTTOM OF THE DRILL HOLE (B.O.H.) COINCIDES WITH CLAY E.

FIGURE G-17

GEOLOGIC MAP OF DRILL HOLE TV-08



EXPLANATION

- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
- UPPER CONTACT OF MB-139
- UPPER CONTACT OF SUBUNIT B
- CLAY E/LOWER CONTACT OF MB-139
- FRACTURE TRACE

  DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE

  ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE

  CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- (1/2) APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN THE FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

NOTES:

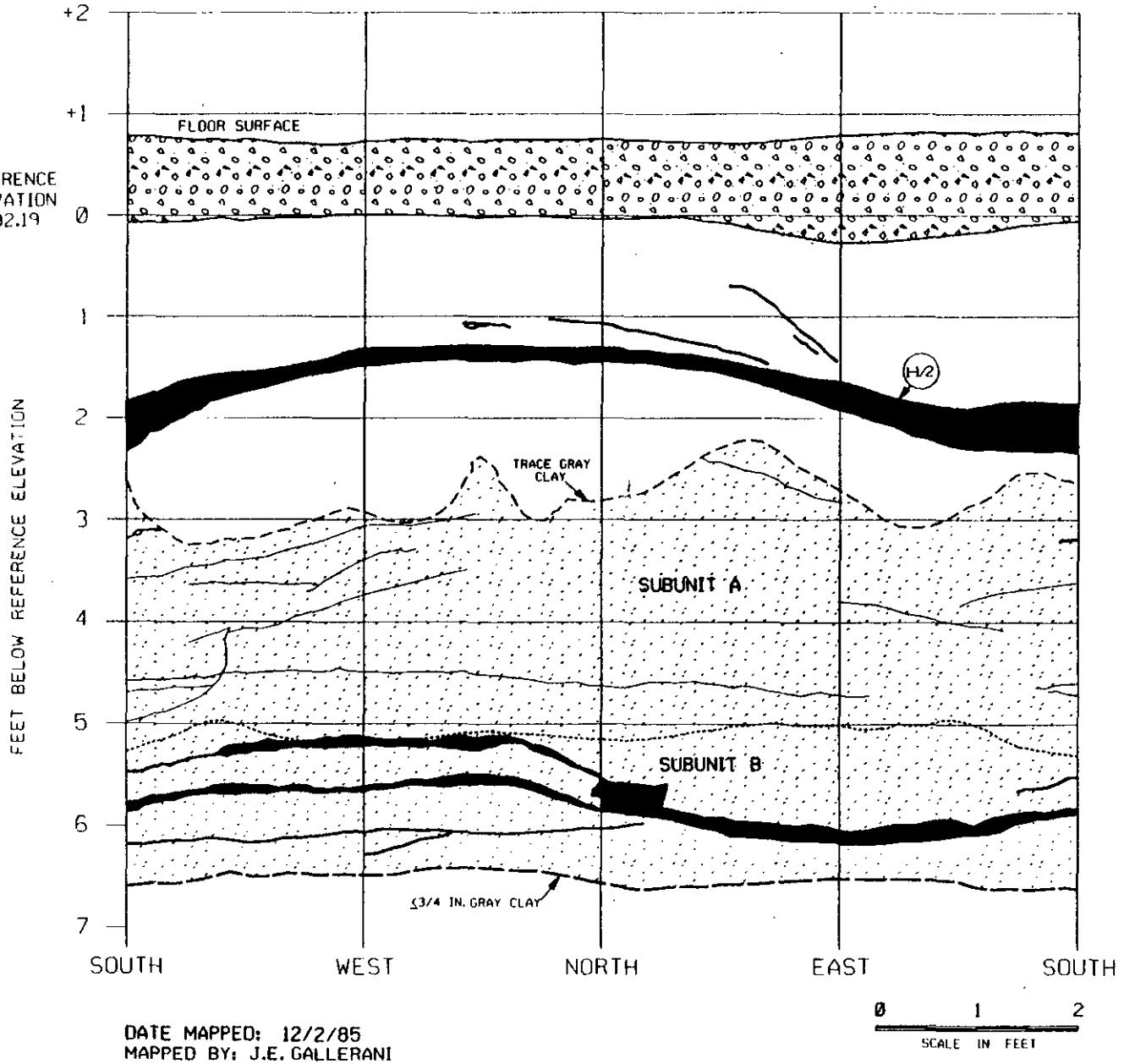
1. DRILL HOLE IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE THE HOLE. ALL FEATURES WERE MEASURED FROM A SURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS NOTED OTHERWISE, THE BOTTOM OF THE DRILL HOLE (B.O.H.) COINCIDES WITH CLAY E.

0 1 2
SCALE IN FEET

DATE MAPPED: 12/5/85
MAPPED BY: J.E. GALLERANI

FIGURE G-18

GEOLOGIC MAP OF DRILL HOLE TV-09



DATE MAPPED: 12/2/85
MAPPED BY: J.E. GALLERANI

EXPLANATION

- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
- UPPER CONTACT OF MB-139
- UPPER CONTACT OF SUBUNIT B
- CLAY E/LOWER CONTACT OF MB-139
- FRACTURE TRACE

  DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE

  ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE

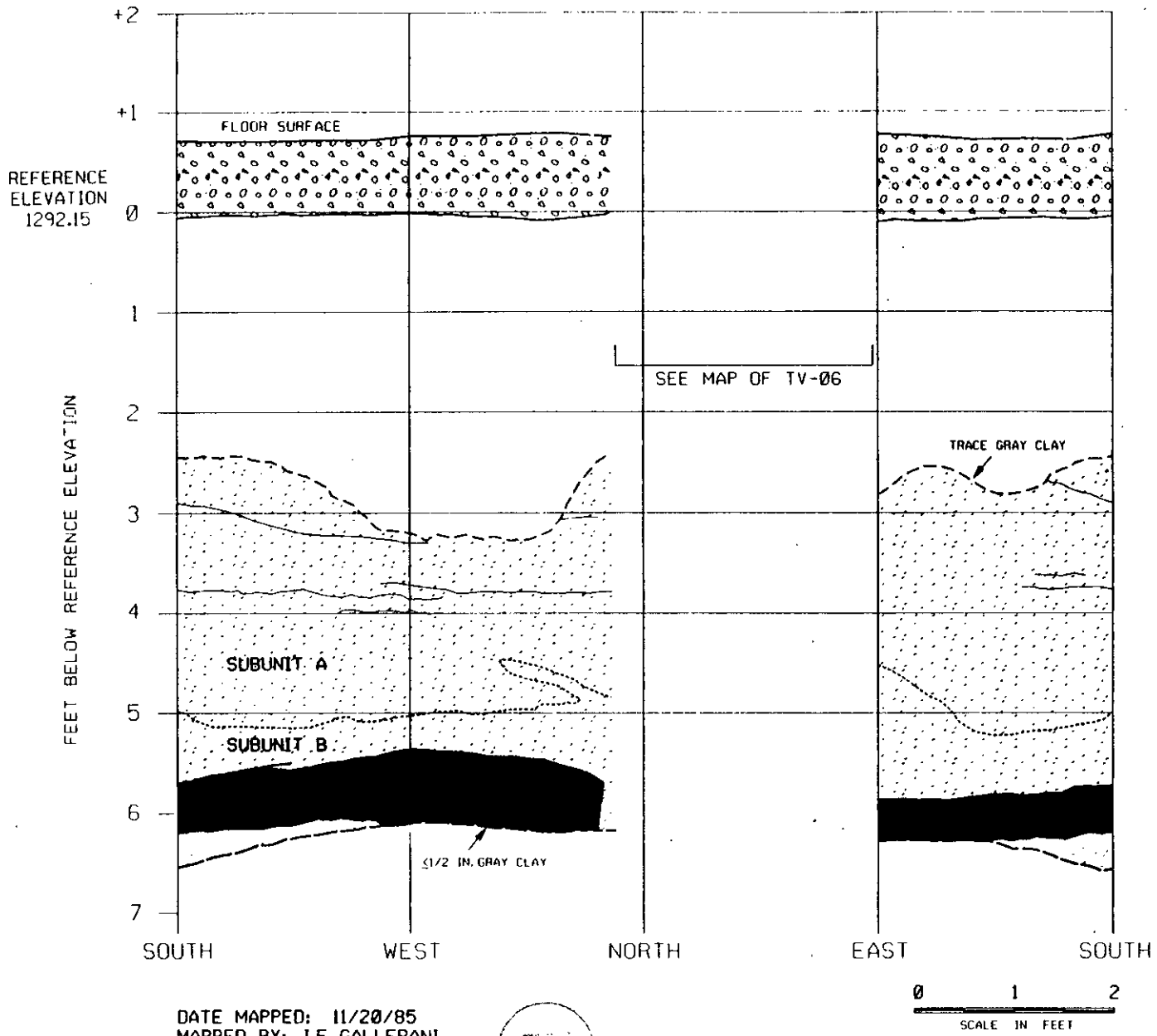
  CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- (1/2) APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN THE FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

NOTES:

1. DRILL HOLE IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE THE HOLE. ALL FEATURES WERE MEASURED FROM A SURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS NOTED OTHERWISE, THE BOTTOM OF THE DRILL HOLE (B.O.H.) COINCIDES WITH CLAY E.

FIGURE G-19

GEOLOGIC MAP OF DRILL HOLE TV-10



EXPLANATION

- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
- – – : UPPER CONTACT OF MB-139
- ····· UPPER CONTACT OF SUBUNIT B
- — — CLAY E/LOWER CONTACT OF MB-139
- FRACTURE TRACE

  DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE

  ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE

  CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- (1/2) APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN THE FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

NOTES:

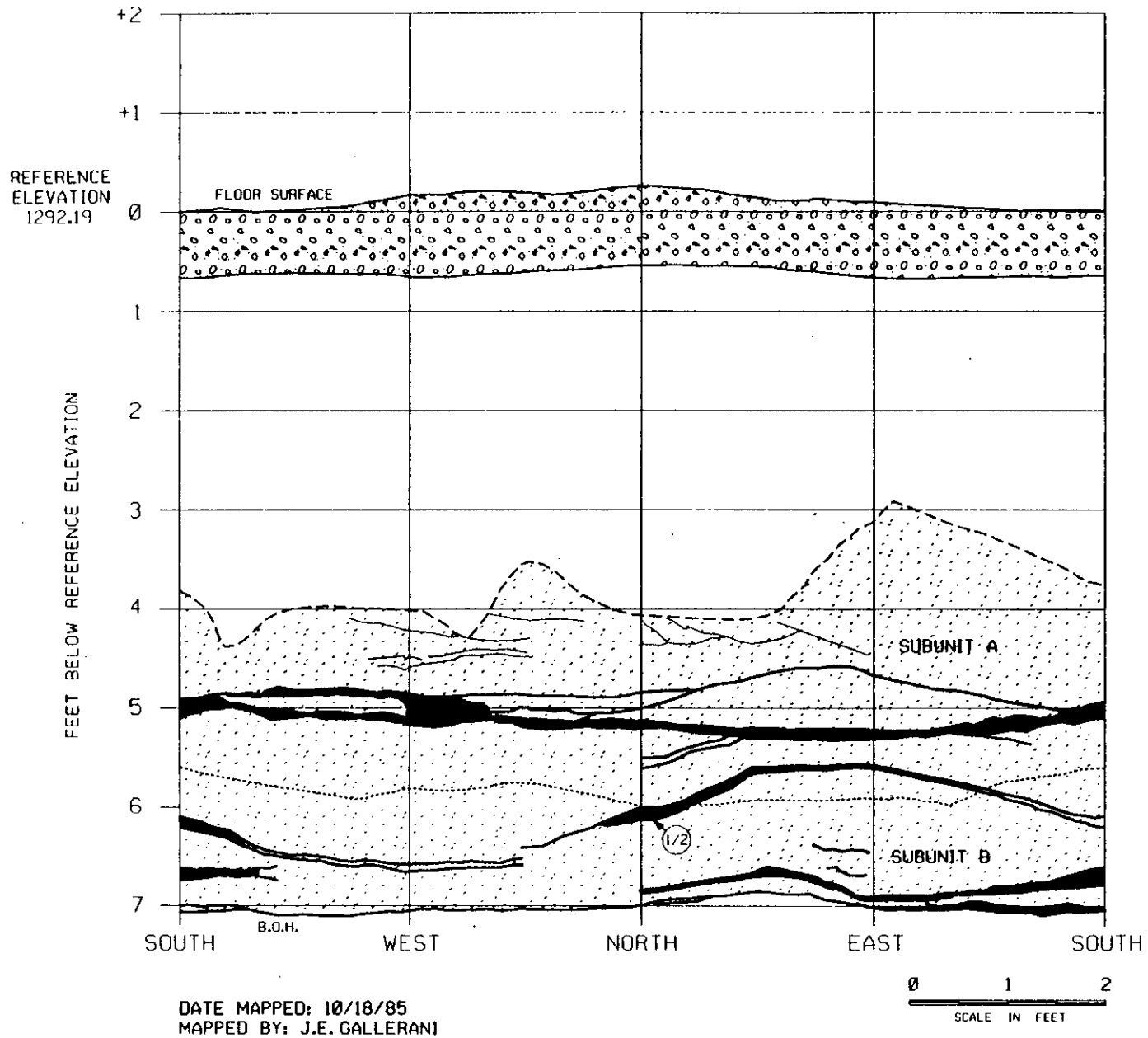
1. DRILL HOLE IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE THE HOLE. ALL FEATURES WERE MEASURED FROM A SURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS NOTED OTHERWISE, THE BOTTOM OF THE DRILL HOLE (B.O.H.) COINCIDES WITH CLAY E.

0 1 2
SCALE IN FEET

DATE MAPPED: 11/20/85
MAPPED BY: J.E. GALLERANI

FIGURE G-20

GEOLOGIC MAP OF DRILL HOLE TV-11



DATE MAPPED: 10/18/85
MAPPED BY: J.E. GALLERANI

EXPLANATION

- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
- UPPER CONTACT OF MB-139
- UPPER CONTACT OF SUBUNIT B
- CLAY E/LOWER CONTACT OF MB-139
- FRACTURE TRACE

  DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE

  ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE

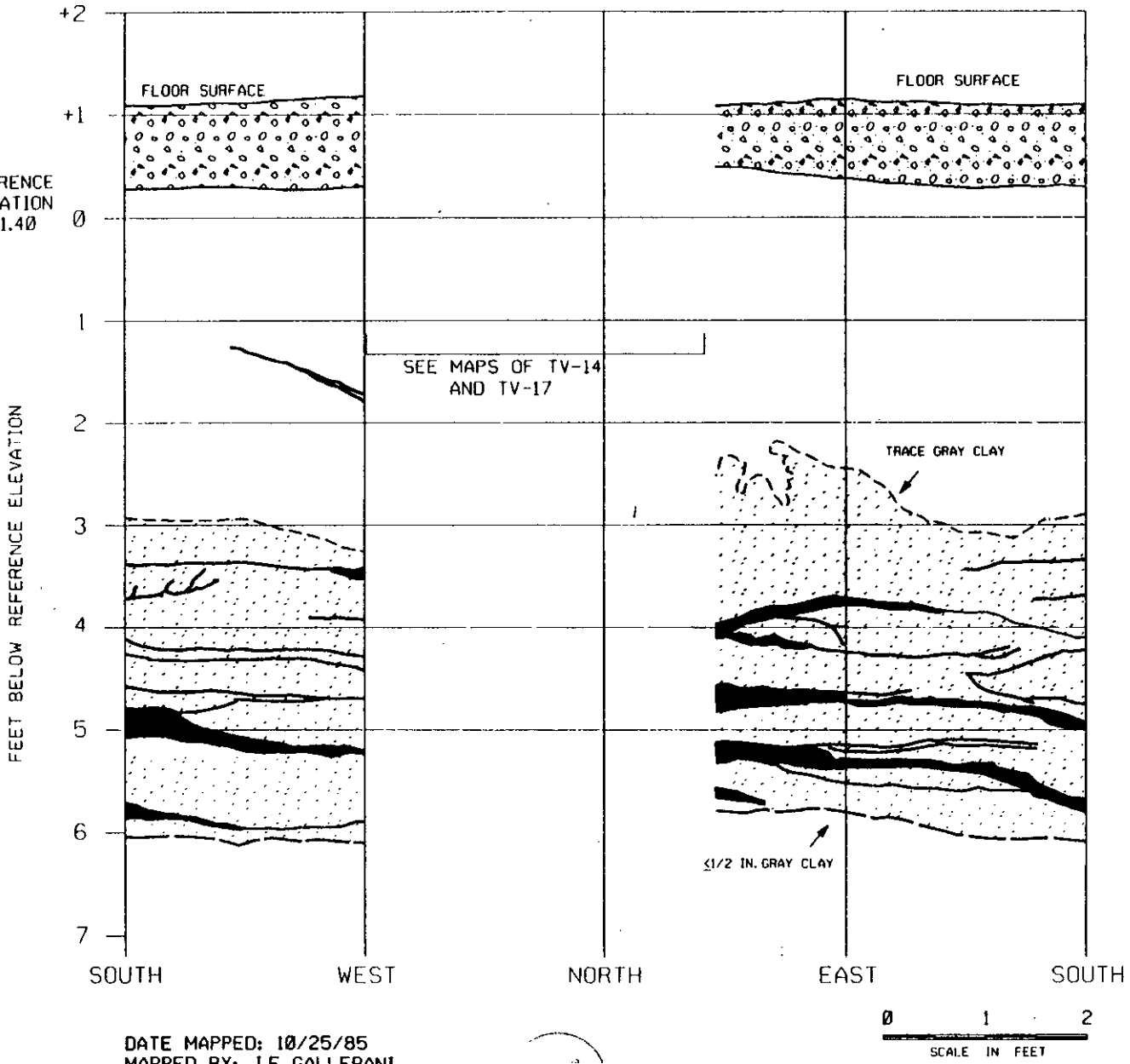
  CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- (1/2) APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN THE FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

NOTES:

1. DRILL HOLE IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE THE HOLE. ALL FEATURES WERE MEASURED FROM A SURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS NOTED OTHERWISE, THE BOTTOM OF THE DRILL HOLE (B.O.H.) COINCIDES WITH CLAY E.

FIGURE G-21

GEOLOGIC MAP OF DRILL HOLE TV-12



EXPLANATION

- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
- UPPER CONTACT OF MB-139
- UPPER CONTACT OF SUBUNIT B
- CLAY E/LOWER CONTACT OF MB-139
- FRACTURE TRACE

  DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE

  ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE

  CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- (1/2) APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN THE FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

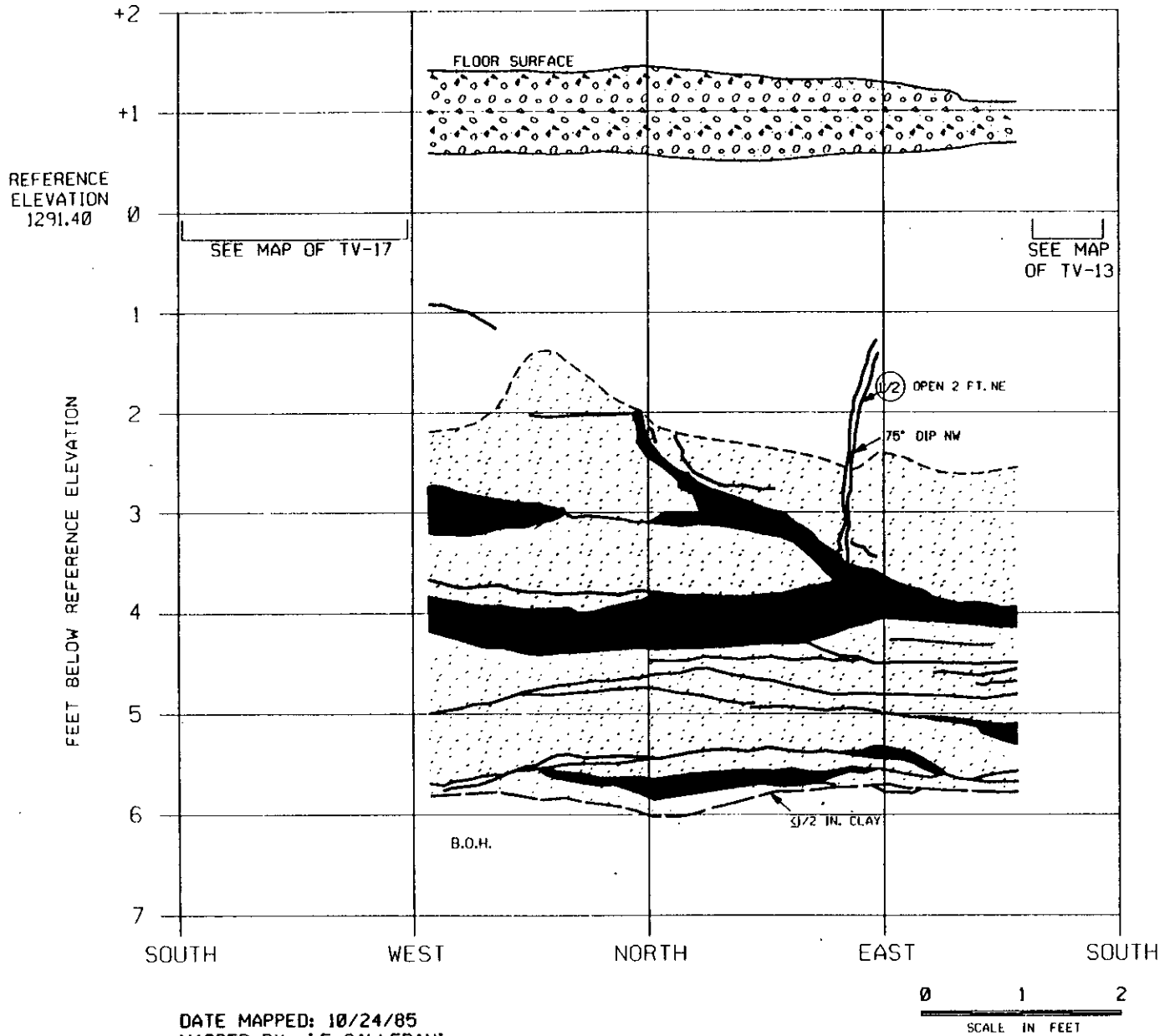
NOTES:

1. DRILL HOLE IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE THE HOLE. ALL FEATURES WERE MEASURED FROM A SURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS NOTED OTHERWISE, THE BOTTOM OF THE DRILL HOLE (B.O.H.) COINCIDES WITH CLAY E.

DATE MAPPED: 10/25/85
MAPPED BY: J.E. GALLERANI

FIGURE G-22

GEOLOGIC MAP OF DRILL HOLE TV-13



DATE MAPPED: 10/24/85
MAPPED BY: J.E. GALLERANI

EXPLANATION

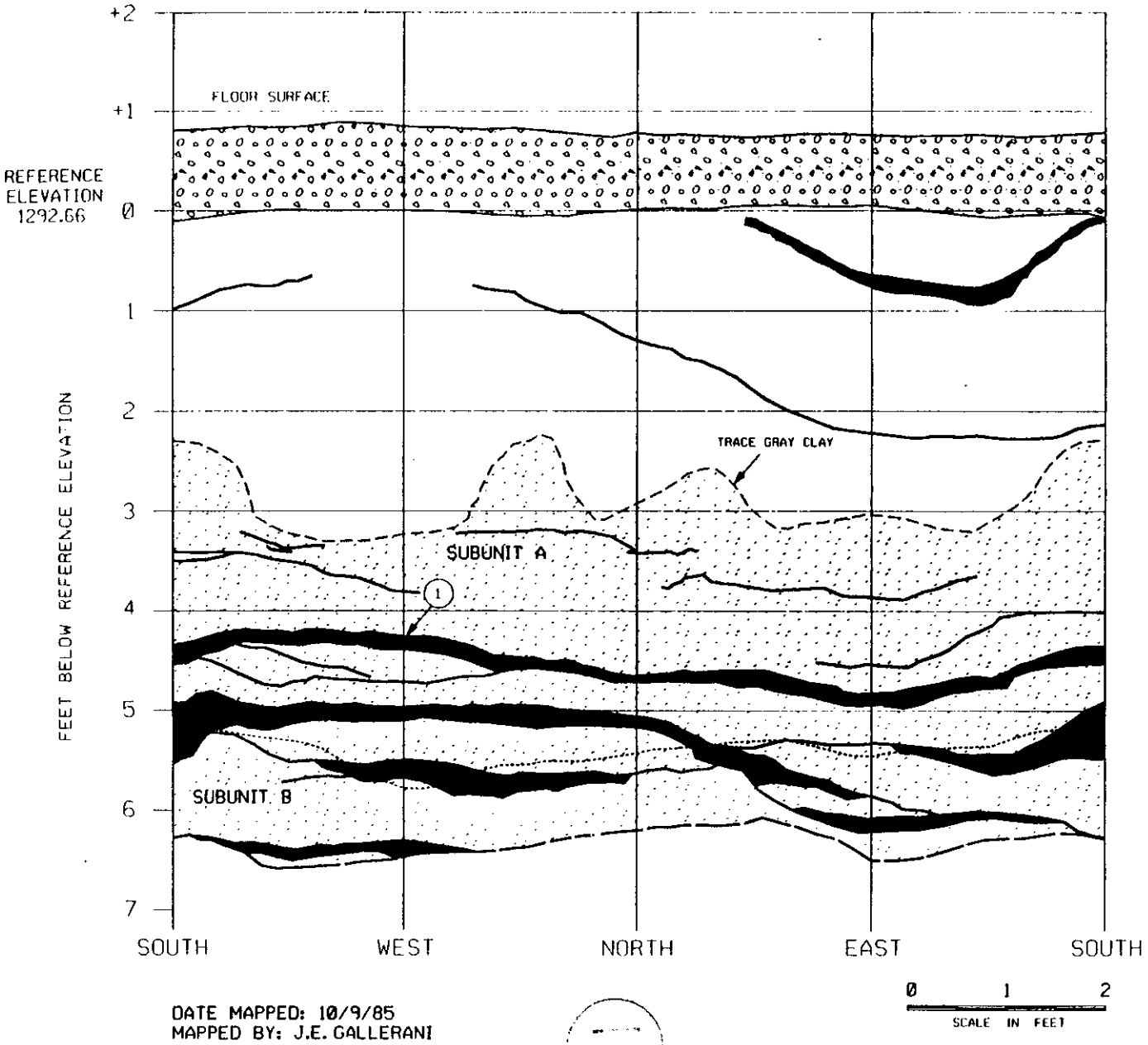
- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
- – –: UPPER CONTACT OF MB-139
- ····· UPPER CONTACT OF SUBUNIT B '
- – – CLAY E/LOWER CONTACT OF MB-139
- FRACTURE TRACE
  DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE
  ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE
  CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- (1/2) APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN THE FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

NOTES:

1. DRILL HOLE IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE THE HOLE. ALL FEATURES WERE MEASURED FROM A SURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS NOTED OTHERWISE, THE BOTTOM OF THE DRILL HOLE (B.O.H.) COINCIDES WITH CLAY E.

FIGURE G-23

GEOLOGIC MAP OF DRILL HOLE TV-14



DATE MAPPED: 10/9/85
MAPPED BY: J.E. GALLERANI

EXPLANATION

- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
- UPPER CONTACT OF MB-139
- UPPER CONTACT OF SUBUNIT B
- CLAY E/LOWER CONTACT OF MB-139
- FRACTURE TRACE

  DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE

  ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE

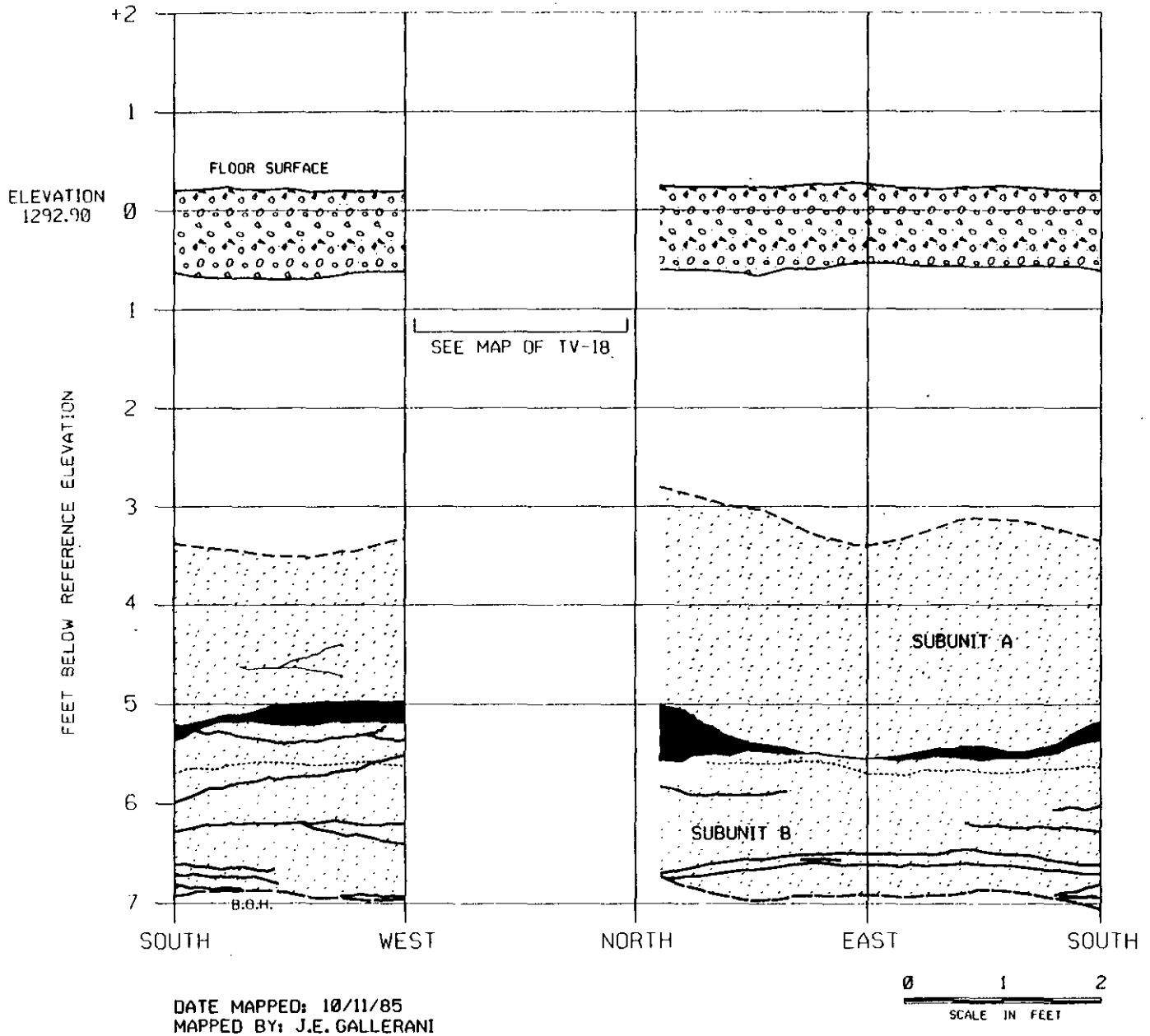
  CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- (1/2) APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN THE FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

NOTES:

1. DRILL HOLE IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE THE HOLE. ALL FEATURES WERE MEASURED FROM A SURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS NOTED OTHERWISE, THE BOTTOM OF THE DRILL HOLE (B.O.H.) COINCIDES WITH CLAY E.

FIGURE G-24

GEOLOGIC MAP OF DRILL HOLE TV-15



EXPLANATION

- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
- UPPER CONTACT OF MB-139 AND SUBUNIT A
- UPPER CONTACT OF SUBUNIT B
- CLAY E/LOWER CONTACT OF MB-139
- FRACTURE TRACE

  DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE

  ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE

  CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- (1/2) APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN THE FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

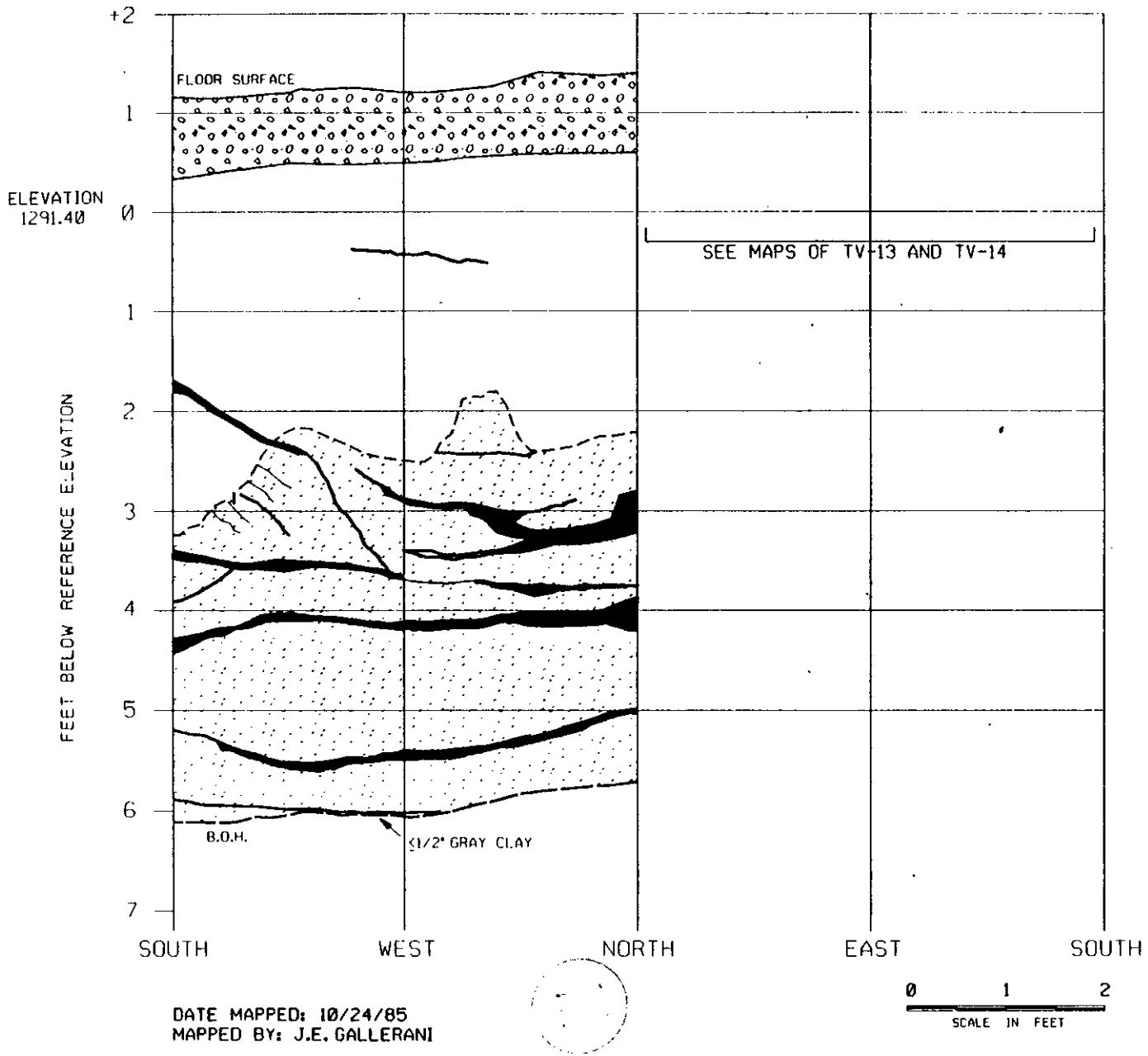
NOTES:

1. DRILL HOLE IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE EACH HOLE. ALL FEATURES WERE MEASURED FROM A SURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS OTHERWISE NOTED, THE BOTTOM OF EACH DRILL HOLE (B.O.H.) COINCIDES WITH CLAY E.

DATE MAPPED: 10/11/85
MAPPED BY: J.E. GALLERANI

FIGURE G-25

GEOLOGIC MAP OF DRILL HOLE TV-16



DATE MAPPED: 10/24/85
MAPPED BY: J.E. GALLERANI

EXPLANATION

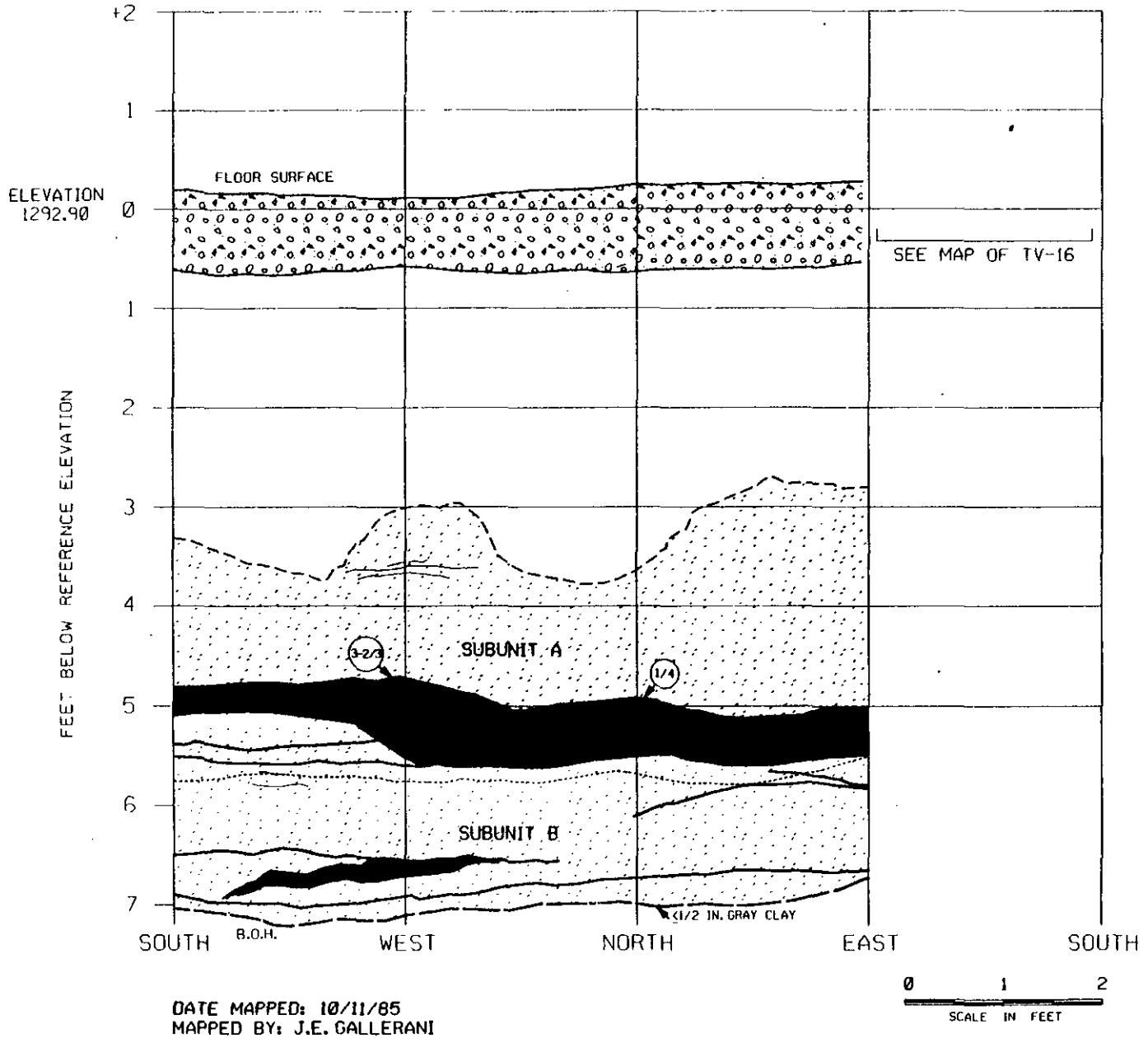
- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
- UPPER CONTACT OF MB-139 AND SUBUNIT A
- UPPER CONTACT OF SUBUNIT B
- CLAY E/LOWER CONTACT OF MB-139
- FRACTURE TRACE
  DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE
  ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE
  CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- (1/2) APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN THE FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

NOTES:

1. DRILL HOLE IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE EACH HOLE. ALL FEATURES WERE MEASURED FROM A SURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS OTHERWISE NOTED, THE BOTTOM OF EACH DRILL HOLE (B.O.H.) COINCIDES WITH CLAY E.

FIGURE G-26

GEOLOGIC MAP OF DRILL HOLE TV-17



DATE MAPPED: 10/11/85
MAPPED BY: J.E. GALLERANI

EXPLANATION

- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
- UPPER CONTACT OF MB-139 AND SUBUNIT A
- UPPER CONTACT OF SUBUNIT B
- CLAY E/LOWER CONTACT OF MB-139
- FRACTURE TRACE

  DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE

  ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE

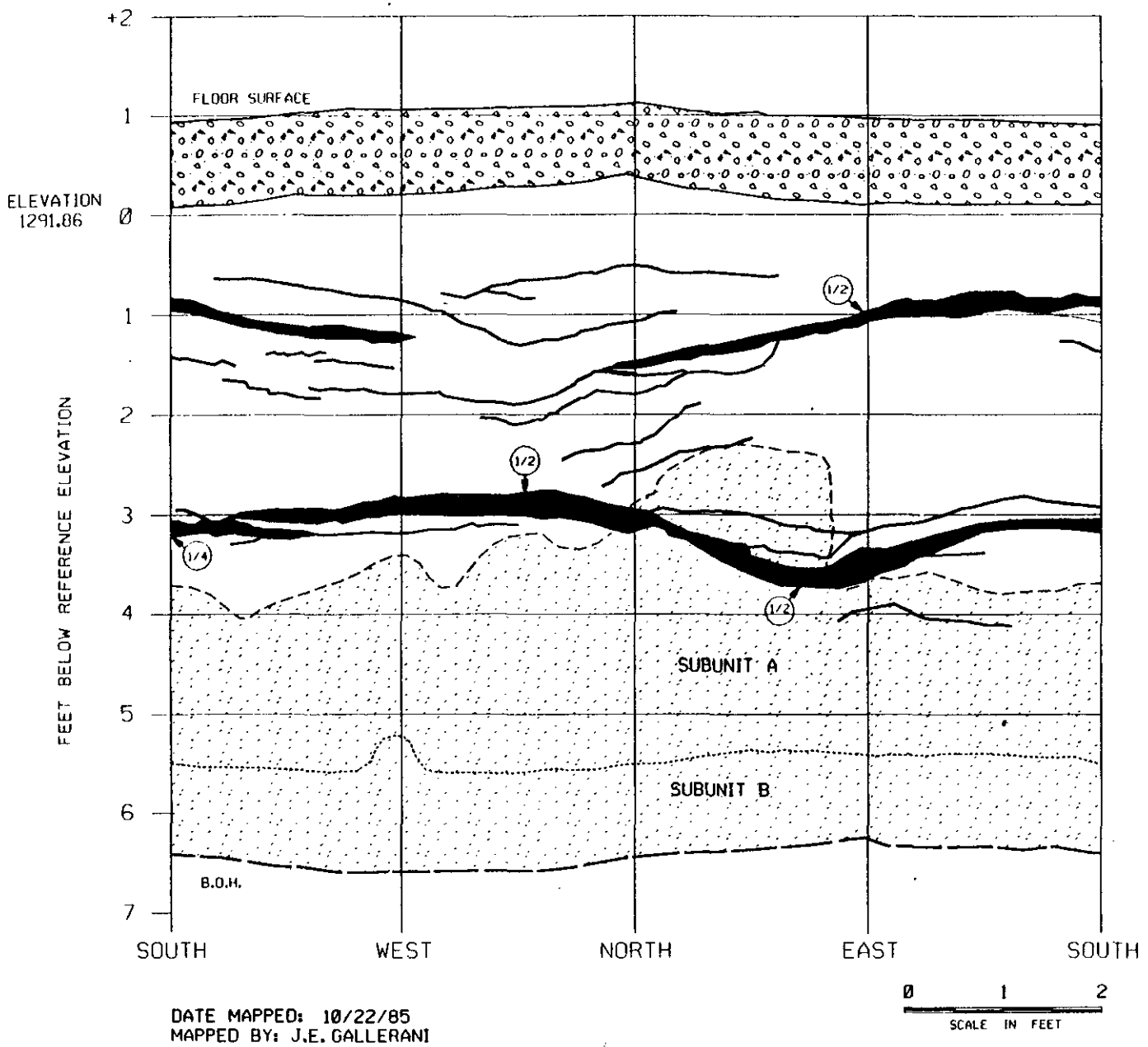
  CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- (1/2) APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN THE FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

NOTES:

1. DRILL HOLE IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE EACH HOLE. ALL FEATURES WERE MEASURED FROM A SURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS OTHERWISE NOTED, THE BOTTOM *OF EACH DRILL HOLE (B.O.H.) COINCIDES WITH* CLAY E.

FIGURE G-27

GEOLOGIC MAP OF DRILL HOLE TV-18



DATE MAPPED: 10/22/85
MAPPED BY: J.E. GALLERANI

EXPLANATION

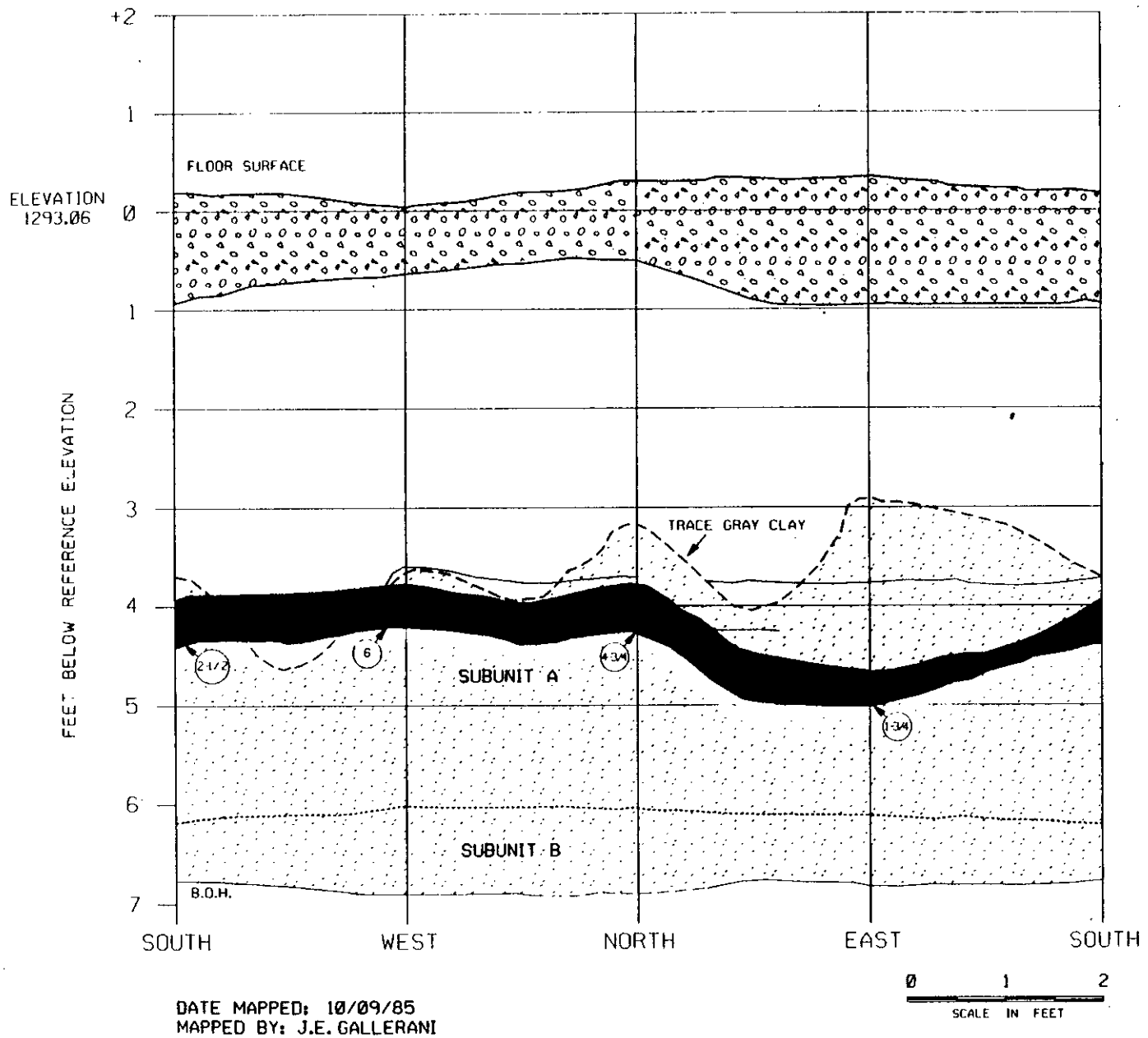
- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
- UPPER CONTACT OF MB-139 AND SUBUNIT A
- UPPER CONTACT OF SUBUNIT B
- CLAY E/LOWER CONTACT OF MB-139
- FRACTURE TRACE
  DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE
  ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE
  CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- (1/2) APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN THE FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

NOTES:

1. DRILL HOLE IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE EACH HOLE. ALL FEATURES WERE MEASURED FROM A SURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS OTHERWISE NOTED, THE BOTTOM OF EACH DRILL HOLE (B.O.H.) COINCIDES WITH CLAY E.

FIGURE G-28

GEOLOGIC MAP OF DRILL HOLE TV-19



DATE MAPPED: 10/09/85
MAPPED BY: J.E. GALLERANI

EXPLANATION

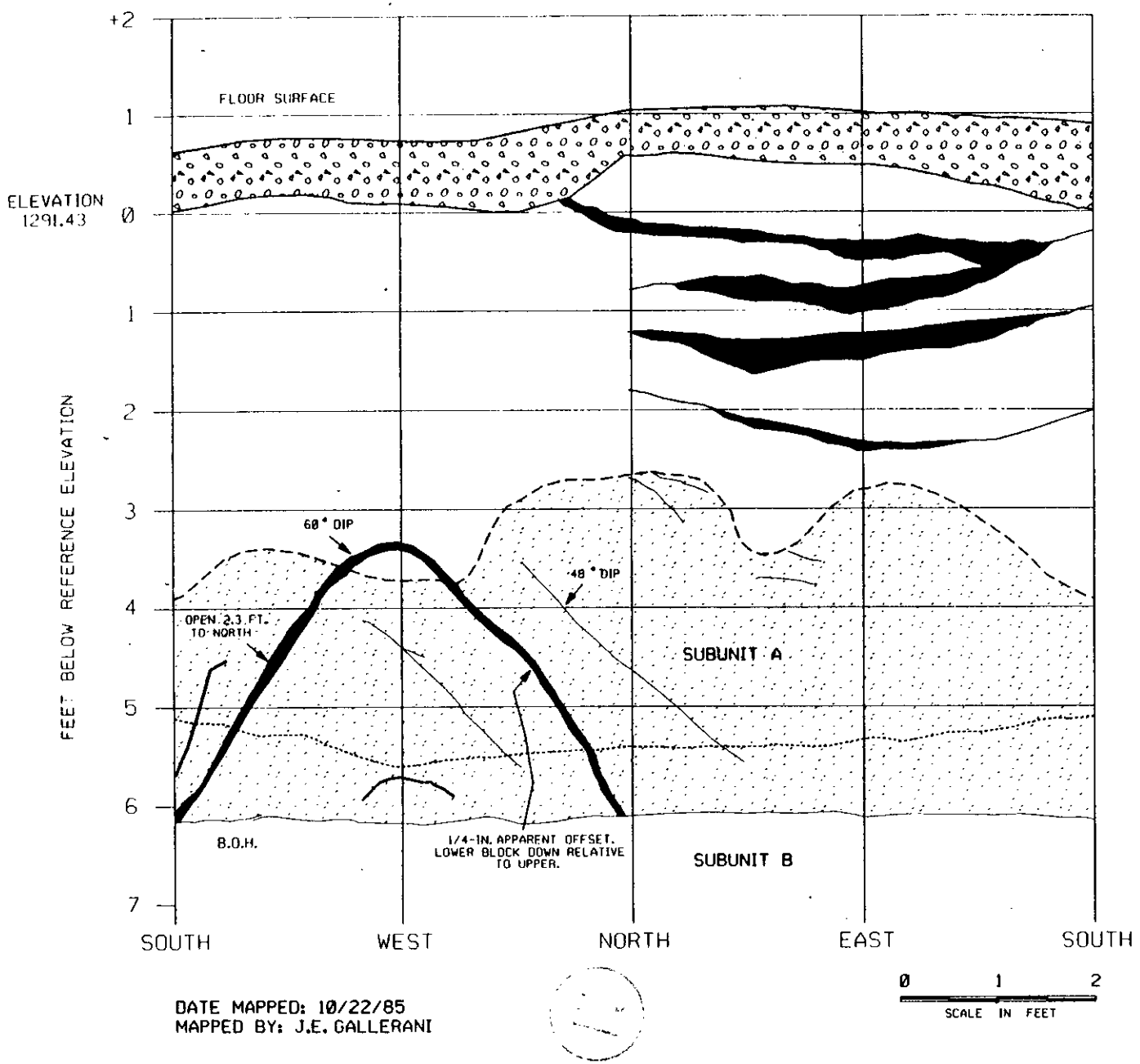
- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
- UPPER CONTACT OF MB-139 AND SUBUNIT A
- UPPER CONTACT OF SUBUNIT B
- CLAY E/LOWER CONTACT OF MB-139
- FRACTURE TRACE
  DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE
  ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE
  CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- (1/2) APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN THE FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

NOTES:

1. DRILL HOLE IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE EACH HOLE. ALL FEATURES WERE MEASURED FROM A SURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS OTHERWISE NOTED, THE BOTTOM OF EACH DRILL HOLE (B.O.H.) COINCIDES WITH CLAY E.

FIGURE G-29

GEOLOGIC MAP OF DRILL HOLE TV-20



DATE MAPPED: 10/22/85
MAPPED BY: J.E. GALLERANI

EXPLANATION

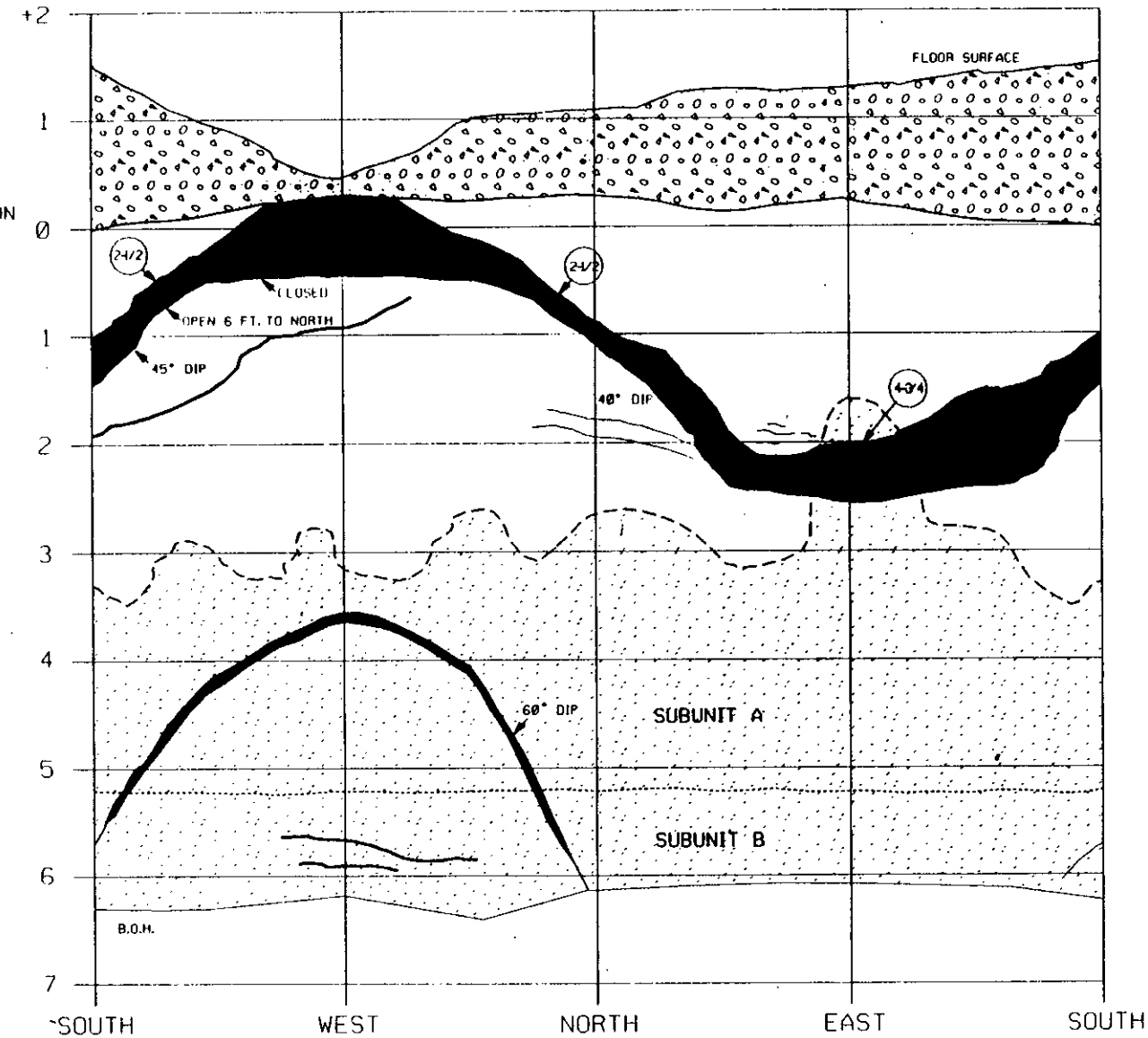
- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
- UPPER CONTACT OF MB-139 AND SUBUNIT A
- UPPER CONTACT OF SUBUNIT B
- CLAY E/LOWER CONTACT OF MB-139
- FRACTURE TRACE
  DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE
  ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE
  CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- (1/2) APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN THE FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

NOTES:

1. DRILL HOLE IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE EACH HOLE. ALL FEATURES WERE MEASURED FROM A SURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS OTHERWISE NOTED, THE BOTTOM OF EACH DRILL HOLE (B.O.H.) COINCIDES WITH CLAY E.

FIGURE G-30

GEOLOGIC MAP OF DRILL HOLE TV-21



0 1 2
SCALE IN FEET

DATE MAPPED: 10/25/85
MAPPED BY: J.E. GALLERANI

EXPLANATION

- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
- UPPER CONTACT OF MB-139 AND SUBUNIT A
- UPPER CONTACT OF SUBUNIT B
- CLAY E/LOWER CONTACT OF MB-139
- FRACTURE TRACE
  DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE
  ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE
  CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- (1/2) APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN THE FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

NOTES:

1. DRILL HOLE IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE EACH HOLE. ALL FEATURES WERE MEASURED FROM A SURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS OTHERWISE NOTED, THE BOTTOM OF EACH DRILL HOLE (B.O.H.) COINCIDES WITH CLAY E.

FIGURE G-31

GEOLOGIC MAP OF DRILL HOLE TV-22

EXPLANATION

SALT FILL

HALITE

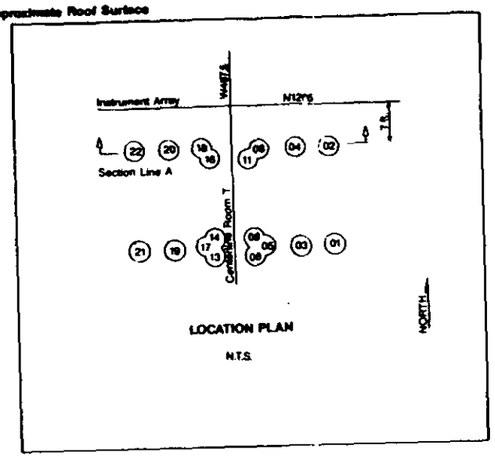
MB-139

FRACTURE TRACE

FRACTURE ZONE
Zone of rock bounded by distinct fracture surfaces. Rock within the zone is broken by numerous small fractures spaced less than one inch. Locally the zone is open.

UPPER CONTACT OF MB-139
Tightly closed, undulating. Locally contains trace of gray clay.

CONTACT BETWEEN SUBUNITS A AND B WITHIN MB-139 (DIFFUSE)
Subunit A is above Subunit B and includes zones I, II, and III, as described in Borns, 1985, Marker Bed 139: A Study of Drillcore from a Systematic Array, SAND 85-0023 report. Subunit B includes zones IV and V from the same report.



WEST WALL

EAST WALL

℄ ROOM T

TV- 22 TV-20 TV-18 TV- 16 TV- 11 TV-06 TV-04 TV-02

Floor Surface

Fill/In Situ salt contact (Typ.)

Open Fracture

Clay

ELEVATION (Feet above M.S.L.)

1304 1302 1300 1298 1296 1294 1292 1290 1288 1286 1284

0 1.0 Feet
SCALE

FIGURE G-32
SECTION A THROUGH ROOM T

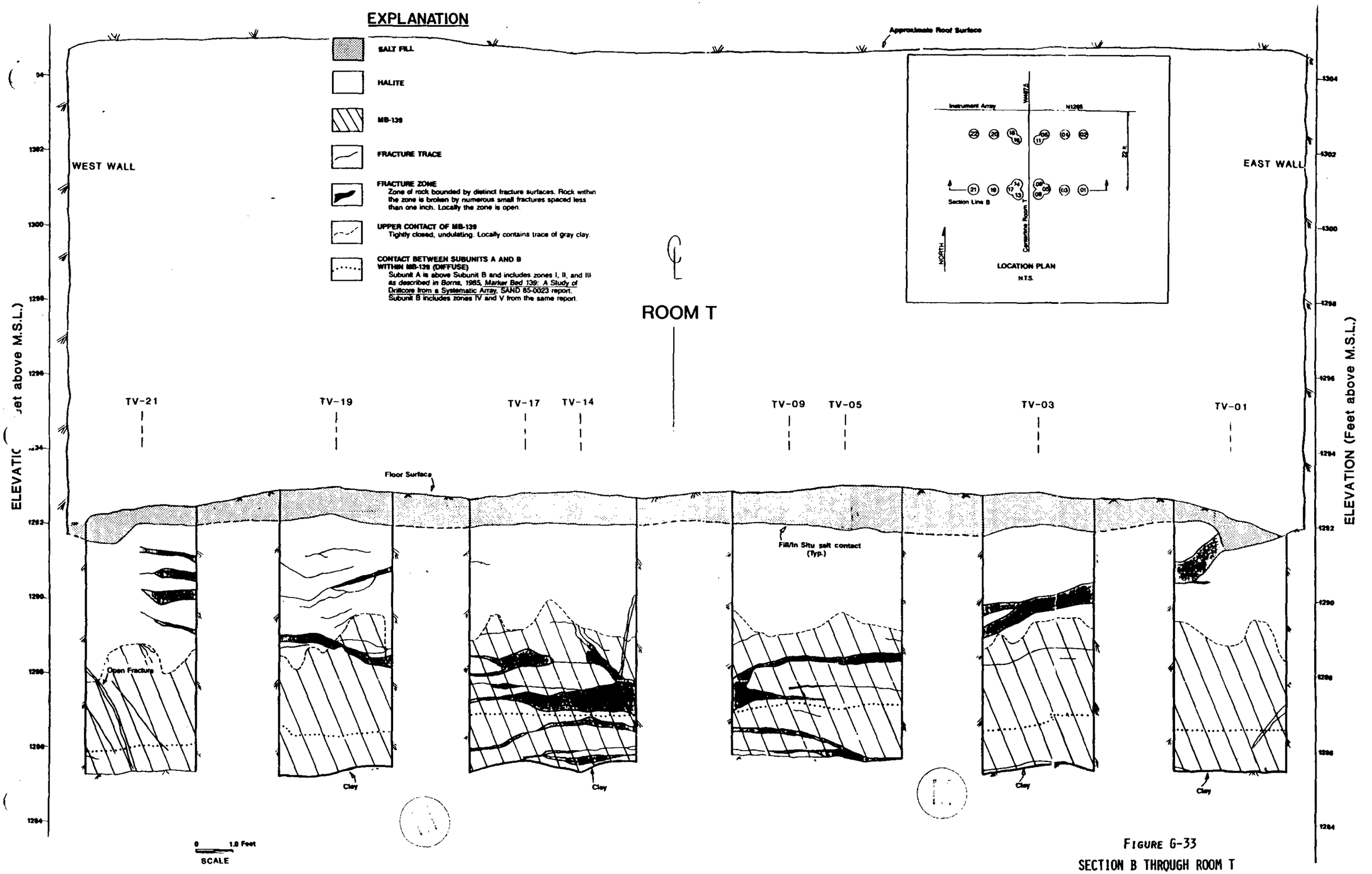
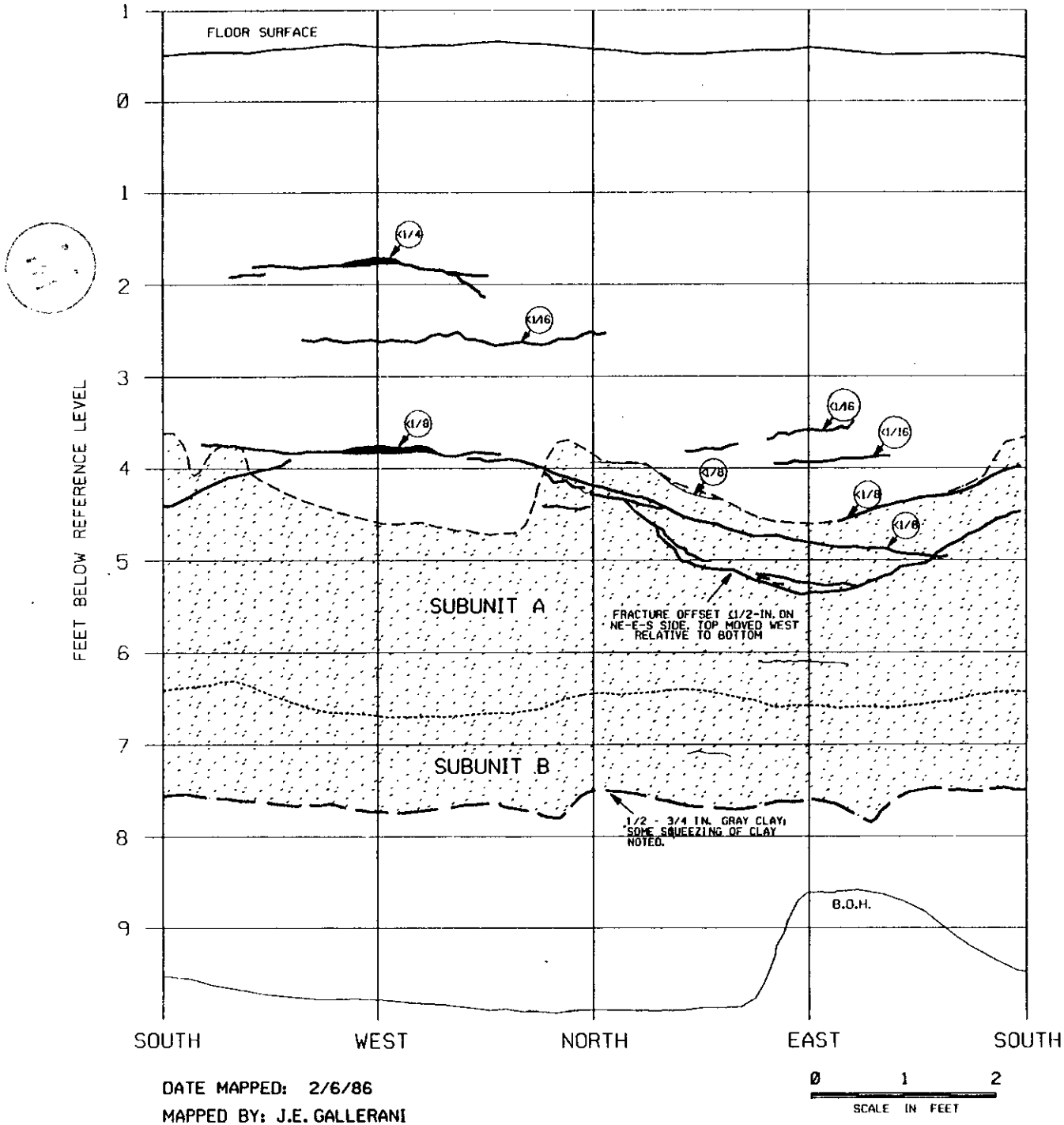


FIGURE G-33
SECTION B THROUGH ROOM T



DATE MAPPED: 2/6/86

MAPPED BY: J.E. GALLERANI

EXPLANATION

- MINED SALT BACKFILL
- HALITE
- MARKER BED 139
  - UPPER CONTACT OF MB-139
  - UPPER CONTACT OF SUBUNIT B
  - CLAY E (LOWER CONTACT OF MB-139)
- FRACTURE TRACE
  - DISTINCT FRACTURES, USUALLY CLOSED WITHIN A FEW INCHES OF THE DRILL HOLE SIDE.
- FRACTURE ZONE
  - ZONE OF FRACTURED ROCK BOUNDED BY DISTINCT FRACTURES.
- SMALL FRACTURE
  - CLOSED HAIRLINE FRACTURES, USUALLY FORMING FRACTURE ZONES LESS THAN ONE INCH WIDE.
- (1/2) APPROXIMATE FRACTURE SEPARATION, IN INCHES. SEPARATIONS ARE MEASURED WITHIN FRACTURE OR ZONE 12 INCHES IN FROM DRILL HOLE WALL.

NOTES:

1. DRILL HOLE IS IN SOUTHWEST CORNER OF TEST ROOM 4 AND IS 36 INCHES IN DIAMETER.
2. MAPPING WAS PERFORMED FROM INSIDE THE HOLE. ALL FEATURES WERE MEASURED FROM AN UNSURVEYED REFERENCE LINE.
3. ORIGINAL MAPPING WAS PERFORMED AT A SCALE OF ONE INCH TO ONE FOOT.
4. UNLESS OTHERWISE NOTED, THE BOTTOM OF THE DRILL HOLE (B.O.H.) COINCIDES WITH CLAY E.
5. HOLE CONTAINS SALT FILL AT BOTTOM.

FIGURE G-34

GEOLOGIC MAP OF DRILL HOLE P4X-84