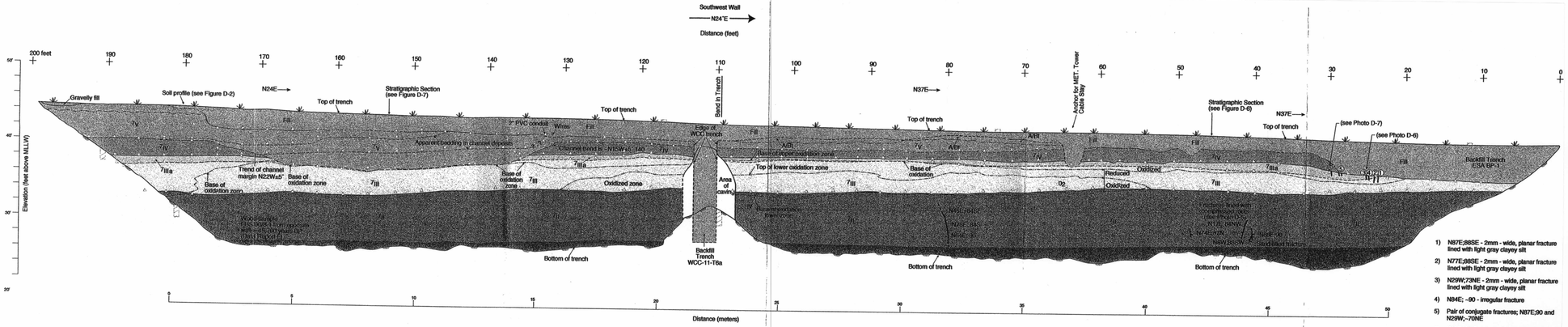

1) N87E;88SE - 2mm - wide, planar fracture lined with light gray clayey silt
2) N77E;88SE - 2mm - wide, planar fracture lined with light gray clayey silt
3) N29W;73NE - 2mm - wide, planar fracture lined with light gray clayey silt
4) N84E; ~90 - irregular fracture
5) Pair of conjugate fractures; N87E;90 and N29W;~70NE
6) N80E;N88E - planar fracture lined with light gray clayey silt

DESCRIPTION OF LITHOLOGIC UNITS

Upper Hooldon Formation: (Late Pleistocene)

Unit 7:

Younger

7_V Silty clay and clayey silt with some fine sand.
Strong brown (7.5 YR 5/6 dry) with pinkish white (7.5 YR 8/2 dry) coatings along columnar and blocky ped faces; sand content increases with depth; very poorly stratified to massive; strongly oxidized; locally contains manganese-oxide nodules.

7_{IV} Moderately sorted fine sand with silt and some clay.
Mottled very pale brown (10 YR 7/3 dry) and reddish yellow (7.5 YR 6/8 dry) with light gray (5 Y 7/1) to gray (5 Y 6/1) coatings along ped faces; predominantly subrounded to subangular quartz sand; locally contains stringers of manganese-oxide nodules; A/B indicates transition between A soil horizon, which has been stripped in most places (not mapped), and a Bt soil horizon developed on Unit 7_V (see Table 4-1 for detailed soil profile description).

7_{IIIa} Silty clay layer at the top of unit 7_{III}.

7_{III} Fining-upward sequence of interbedded sand and silt.
Dark grayish brown (2.5 YR 4/2) to gray (5 Y 5/2 moist) and strong brown (2.5 YR 5/2 moist) where oxidized; layers of well sorted fine to medium sand interbeded with thin (<1 cm) lenses of silt grading upwards to clayey silt and silty clay; locally contains fine gravel along the basal contact; locally contains woody material.

7_{II} Silt interbedded with some fine sand and clayey silt.
Dark gray; massive to weakly stratified layers of sandy silt and clayey silt with some lenses of fine sand and silty clay; bedding is discontinuous laterally.

7_I Silty clay.
Dark gray; generally massive.

Older

EXPLANATION

Lithologic contact; solid line where resolution is less than 2 cm, dashed line where 2-5 cm; dotted line where 5-15 cm.

Very abrupt to abrupt soil horizon boundary (<1 mm to 2.5 cm resolution).

Clear to gradual soil horizon boundary (>2.5 cm to 12.5 cm resolution).

Fracture

Log of Trench GMX T-2.
See Figure D-1 for location of trench.

D-01

Figure D-5

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