eeee reinforced earth

### DESIGN CRITERIA

- 1. DESIGN IS BASED ON THE ASSUMPTION THAT THE MATERIAL WITHIN THE REINFORCED EARTH VOLUME, METHODS OF CONSTRUCTION AND QUALITY OF PREFABRICATED MATERIALS SHALL CONFORM TO TECHNICAL SPECIFICATIONS FOR REINFORCED EARTH WALLS'.
- 2. ASSUMED SOILS CHARACTERISTICS :

# SELECT MATERIAL

0 = 34 degrees, c = 0 p.s.f., y = 125 p.c.f.

## RANDOM BACKFILL

0 = 30 degrees , c = 0 p.s.f. , y = 125 p.c.f.

# FOUNDATION MATERIAL

0 = 30 degrees, c = 0 p.c.f.

IF THE ACTUAL CHARACTERISTICS , GRADES AND DIMENSIONS OF THE SOIL MATERIALS DIFFER FROM THOSE ABOVE, THE REINFORCED EARTH COMPANY MUST BE NOTIFIED PRIOR TO CONSTRUCTION TO EVALUATE THE NEED FOR REDESIGN .

THE MAXIMUM CALCULATED APPLIED BEARING PRESSURE IS 3.99 K.S.F. AT WALL NOT . IT IS THE RESPONSIBILITY OF THE OWNER TO DETERMINE IF THE ALLOWABLE BEARING PRESSURE OF THE FOUNDATION EXCEEDS THE APPLIED BEARING PRESSURE SHOWN .

THE MAXIMUM CALCULATED APPLIED BEARING PRESSURE IS

A.90 K.S.F. AT WALL DO . IT IS THE RESPONSIBILITY

OF THE OWNER TO DETERMINE IF THE ALLOWABLE BEARING

PRESSURE OF THE FOUNDATION EXCEEDS THE APPLIED BEARING

PRESSURE SHOWN .

THE MAXIMUM CALCULATED APPLIED BEARING PRESSURE IS 498 K.S.F. AT WALL NO 3. IT IS THE RESPONSIBILITY OF THE OWNER TO DETERMINE IF THE ALLOWABLE BEARING PRESSURE OF THE FOUNDATION EXCEEDS THE APPLIED BEARING PRESSURE SHOWN .

THE MAXIMUM CALCULATED APPLIED BEARING PRESSURE IS 2.41 K.S.F. AT WALL NO 4. IT IS THE RESPONSIBILITY OF THE OWNER TO DETERMINE IF THE ALLOWABLE BEARING PRESSURE OF THE FOUNDATION EXCEEDS THE APPLIED BEARING PRESSURE SHOWN .

## WALL CONSTRUCTION

- 3. FOR LOCATION AND ALIGNMENT OF REINFORCED EARTH WALLS . SEE CONTRACT DRAWINGS .
- 4. STATIONS SHOWN ARE ALONG CENTERLINE OF ROADWAY .
- 5. Removal of surcharge fill shall be done prior to the wall construction. See Special Provisions.
  - 6. IF STRUCTURES WITHIN THE REINFORCED EARTH VOLUME INTERFERE WITH THE NORMAL PLACEMENT OF REINFORCING STRIPS, THE CONTRACTOR SHALL NOTIFY THE REINFORCED EARTH COMPANY TO DETERMINE THE EFFECT OF SKEWING OF THESE STRIPS ON THE DESIGN OF THE WALL.
  - BACKFILL MATERIAL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH REINFORCED EARTH SPECIFICATIONS UP TO A LEVEL OF 2" TO 3" ABOVE THE TIE STRIP EMBEDDED IN THE PANEL. INSTALLATION OF REINFORCING STRIPS MAY BE PERMITTED AFTER COMPACTION OF THE BACKFILL MATERIAL ATTAINED DESIRED LEVEL.
- 8. COMPACTION AND OPERATING EQUIPMENT SHALL BE KEPT A MINIMUM DISTANCE OF 3'-0" FROM BACK FACE OF REINFORCED EARTH PANEL DESIRED COMPACTION NEXT TO THE FACING ELEMENT SHALL BE ATTAINED WITH LIGHT COMPACTORS, AS APPROVED BY ENGINEER.
- 9 FOR WALL HIGHER THAN 20, PROPOSED FINISHED GRADE AT THE TOE OF WALL SHALL BE CONSTRUCTED BEFORE WALL CONSTRUCTION REACHES A HEIGHT OF 20' AND SHALL BE COMPLOTED TO 95% OF ASTM-D-698\_ LINLESS OTHERWISE DIRECTED BY THE ENGINEER.

Changes

THE DESIGN CONTAINED ON THESE DRAWINGS IS BASED ON INFORMATION REINFORCED EARTH COMPANY HAS DESIGNED. AND IS RESPONSIBLE FOR THE INTERNAL STABILITY OF THE STRUCTURE ONLY. EXTERNAL STABILITY. INCLUDING FOUNDATION AND SLOPE STABILITY, IS THE RESPONSIBILITY OF THE OWNER.

The Reinforced Earth Company

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CHECKED BY: GWS

4.23.37

△ Chris 8/14/87 | Change note #5 "REINFORCED EARTH" IS THE REGISTERED TRADEMARK OF THE REINFORCED EARTH COMPANY

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