SLIP JOINT DETAIL - PRECAST PANELS

OUTSIDE CORNER DETAIL
- Outside angles less than 10° not permitted

INSIDE CORNER DETAIL

TYPICAL SECTION AT WATERFRONT MSE WALL

1. Concrete retained soil above the maximum occur elevation and no higher than the top of the structure 5' above grade in front of wall with Class D fill.
2. Provide aggregate drain backfill as shown in Diagram 3 for unreinforced sections and 4 for reinforced sections.
3. Slab grade per designer as an option for drainage protection.
4. Maximum vertical spacing of drain reinforcement is 30".
5. Select the type, size and location of soil reinforcement as shown in Diagram 4.
6. Drainage piping to be determined by the Engineer based on site conditions and the method of construction used. Bypass drainage piping at job contact.
7. Natural grade of site and surrounding area to be disturbed and excavated up to the top of the MSE wall and is not up to the final grade.
8. Pipe 30' below grade, unperforated, to prevent piping and seepage through the backfill material.
9. Slab 30' below grade, unperforated, to prevent piping and seepage through the backfill material.
ALTERNATE MSE WALL DETAILS

ELEVATION - END OF END BENT

TYPICAL SECTION - WALL WITH MOMENT SLAB

NOTES:

For structural design requirements see Supplemental Technical Specification S5-13.

1. Use or wall will consist in the geometric face to prevent leakage.

2. Concrete: 1:4:10 @ 1 cu ft aggregate using 6% by weight of 2” aggregate or smaller aggregate as specified in the requirements for Reinforced Soil Retaining Structures (Supplemental Technical Specification S5-13). Minimum paste content shall be 125% of minimum paste content as specified in the requirements for Reinforced Soil Retaining Structures (Supplemental Technical Specification S5-13).

3. Extend top two layers of soil reinforcement 5 feet beyond the end of the wall.

4. Wall height pay limit (Varies).

5. Minimum vertical spacing of soil reinforcement is 36".

6. Wall to be designed by the Contractor based on site conditions and recommendations provided by the consultant. Design will be based on the requirements for Reinforced Soil Retaining Structures (Supplemental Technical Specification S5-13). Design is at the Contractor's discretion.

7. Design wall for required bearing capacity at top of wall.

8. See MWCD specifications.
ALTERRATE SECTION AT END BENTS

TYPICAL SECTION AT END BENTS

DETAIL "B"

TYPICAL SECTION AT FREE-STANDING END BENTS