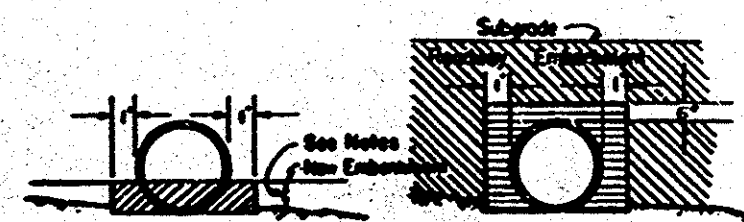


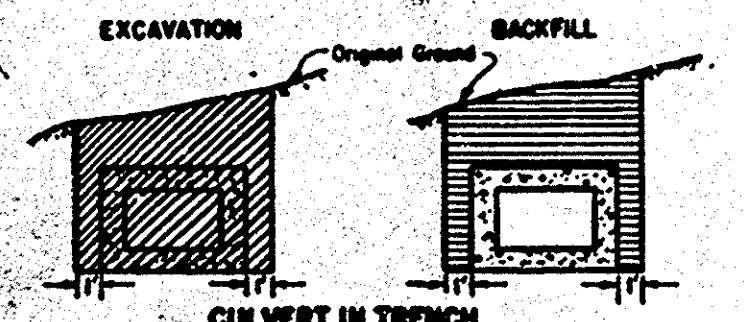
PIPE IN TRENCH



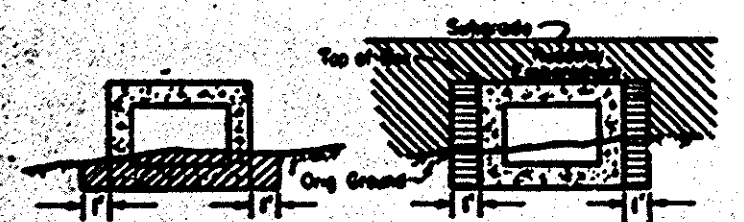
PIPE IN NEW EMBANKMENT

Height of Top of Embankment Before Excavating For Pipe Shall Be As Follows:  
For open 24" or less dia. 6" above top of pipe  
For C.M.P. over 24" to 30" dia. 30" above bottom of pipe  
For C.M.P. over 30" dia. 1/3 point of dia. above bottom of pipe  
For R.C.P. over 24" to 30" dia. 30" above bottom of pipe  
For hard asphalt plate culvert: 1/3 point of dia. above bottom of pipe  
Structure Backfill 6" Above Top of Pipe

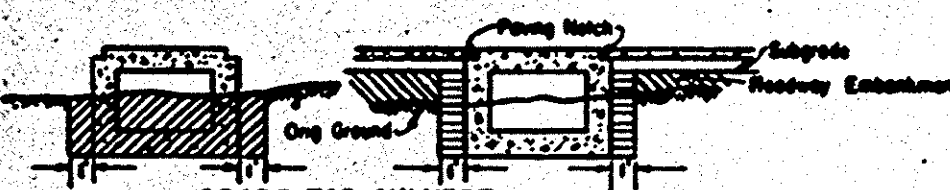
### PIPES, RODS & DEADMEN Except Underdrains & Deadmen



CULVERT IN TRENCH

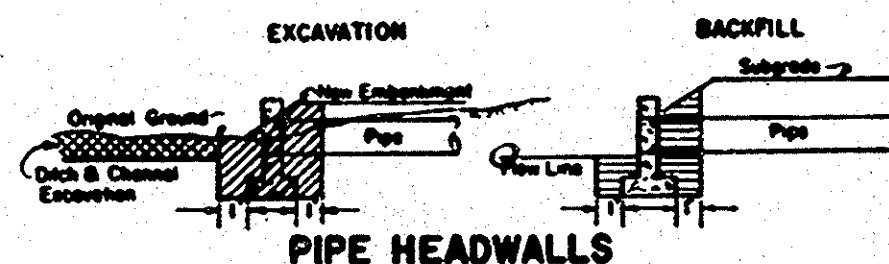


CULVERT IN EMBANKMENT

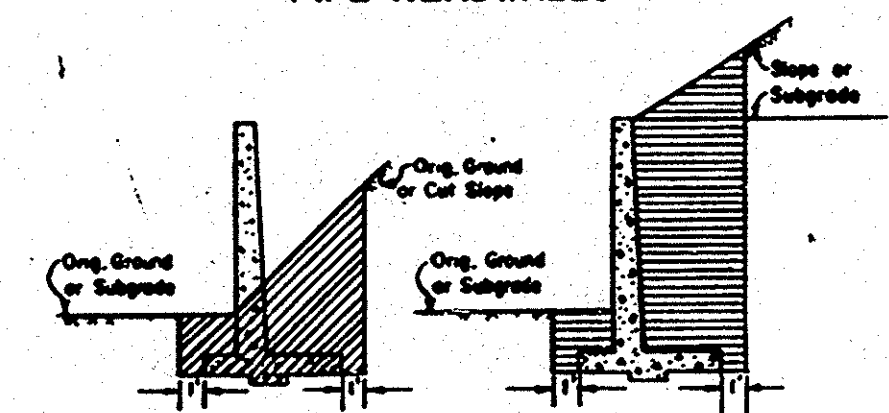


GRADE TOP CULVERT

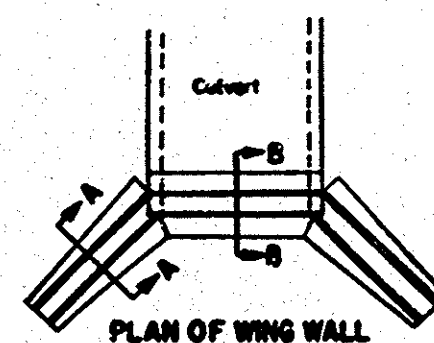
BOX CULVERTS



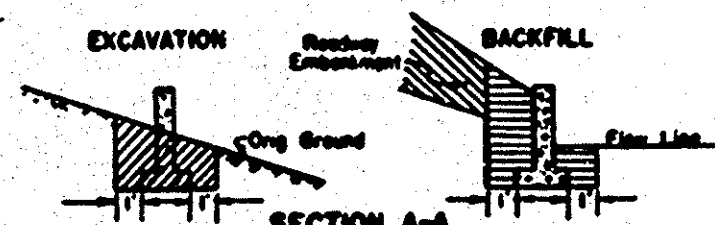
PIPE HEADWALLS



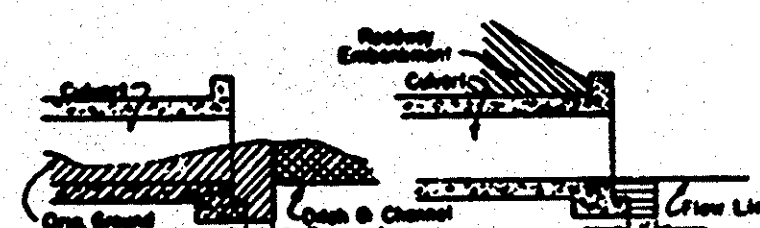
RETAINING WALLS



PLAN OF WING WALL

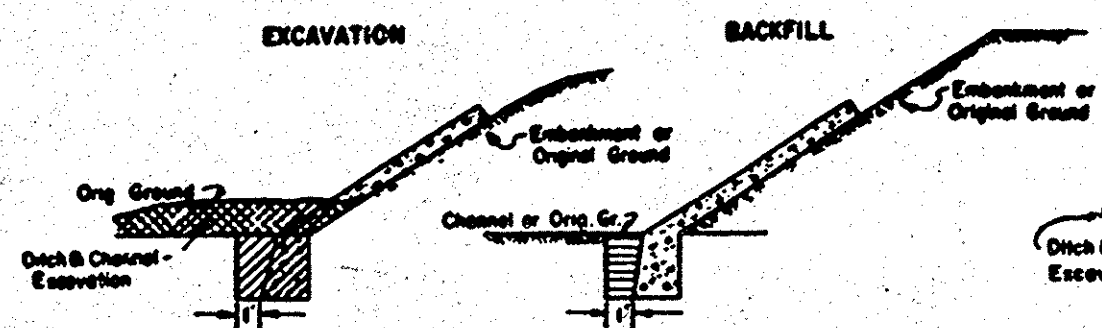


SECTION A-A

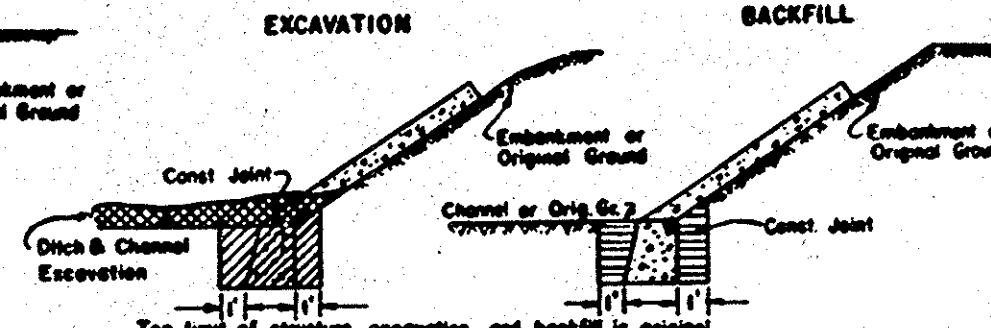


SECTION B-B

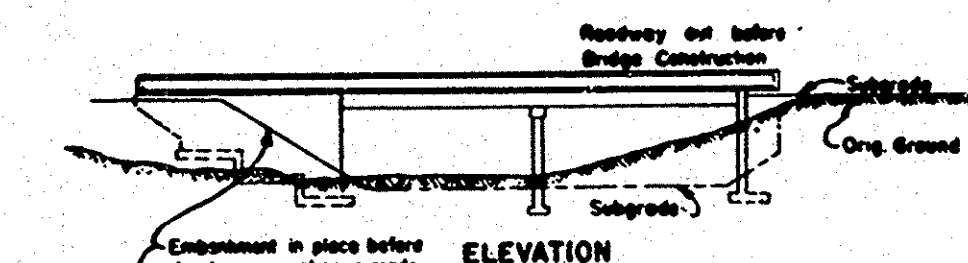
WING WALLS



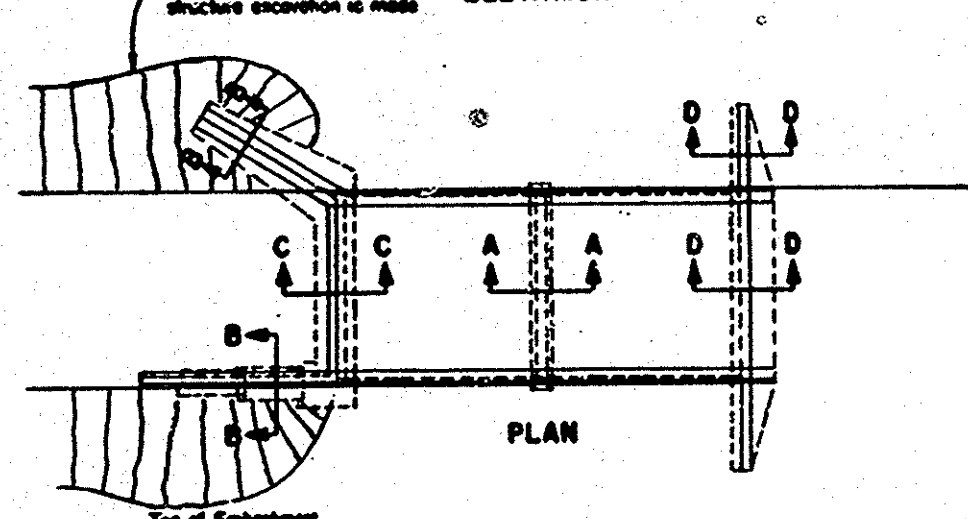
MONOLITHIC CONCRETE SLOPE PAVING; RIPRAP



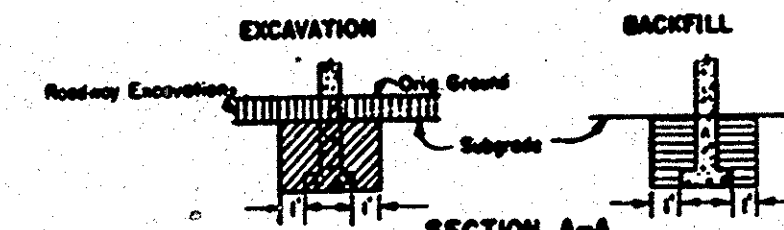
CONCRETE SLOPE PAVING



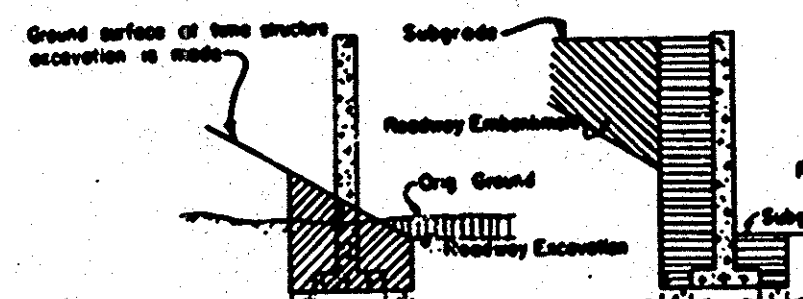
ELEVATION



PLAN

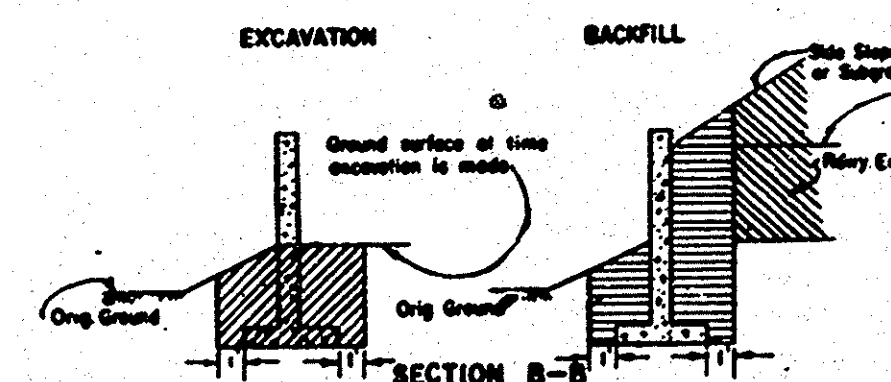


SECTION A-A

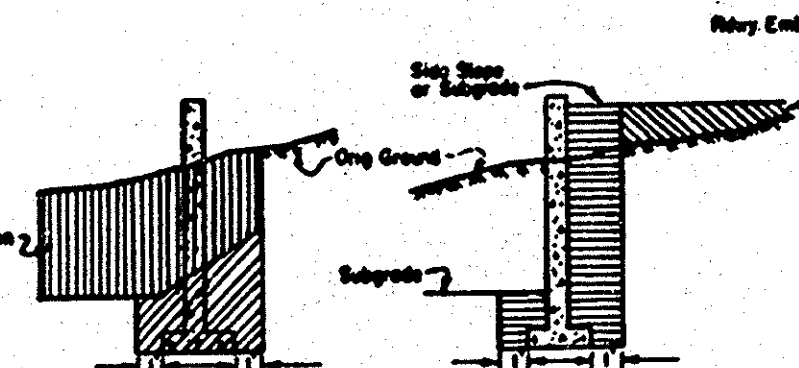


SECTION C-C

BRIDGE ABUTMENTS & ADJOINING WING WALLS



SECTION B-B



SECTION D-D

- LEGEND**
- Structure Excavation
  - Structure Backfill
  - Ditch & Channel Excavation
  - Roadway Embankment
  - Roadway Excavation
- Note: Subgrade shall be lowest subgrade as defined in the Standard Specifications

NOTE: THESE PLANS ADOPTED FROM THE STANDARD PLANS, STATE OF CALIFORNIA, DEPARTMENT OF PUBLIC WORKS, DIVISION OF HIGHWAYS

AS BUILT

|                                  |               |
|----------------------------------|---------------|
| ORANGE COUNTY HIGHWAY DEPARTMENT |               |
| DOWLING AVENUE BRIDGE            |               |
| ACROSS                           |               |
| SANTA ANA RIVER                  |               |
| STRUCTURE EXCAVATION             |               |
| AND BACKFILL                     |               |
| SCALE NONE                       | DATE 10/10/64 |

MICROFILMED  
DEC 28 1964

STRUCTURE EXCAVATION + BACKFILL