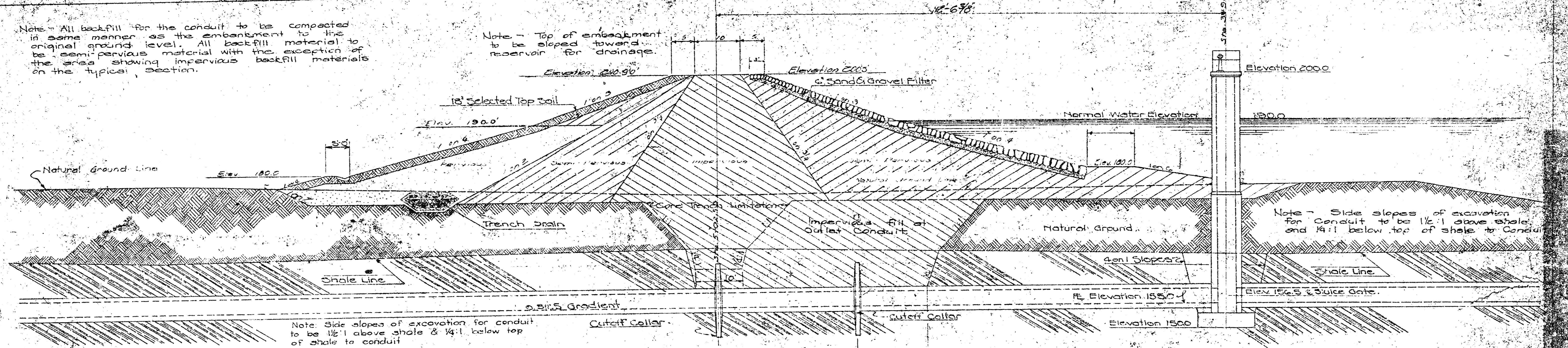


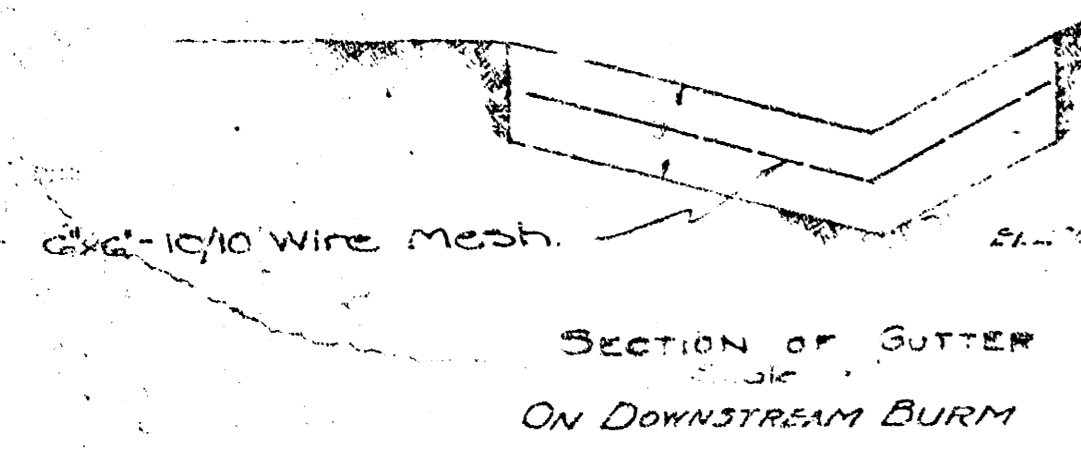
Note - All backfill for the conduit to be compacted in same manner as the embankment to the original ground level. All backfill material to be semi-permeable material with the exception of the side showing impervious backfill materials on the typical section.

Note - Top of embankment to be sloped toward reservoir for drainage.

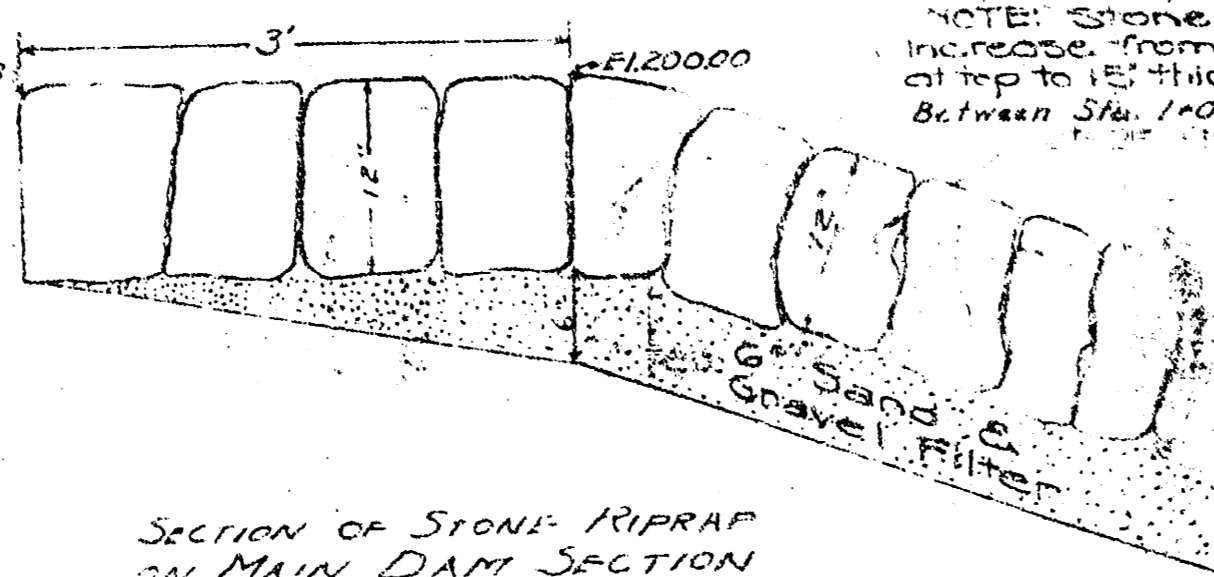


TYPICAL SECTION OF DAM (Sta. 15+50) BETWEEN STA. 0+00 and 20+75 95'-0"

NOTE: Premolded Bituminous Expansion Joint at 50 ft. Intervals in Roadway Cutoff.



SECTION OF BUTTER ON DOWNSTREAM BURN

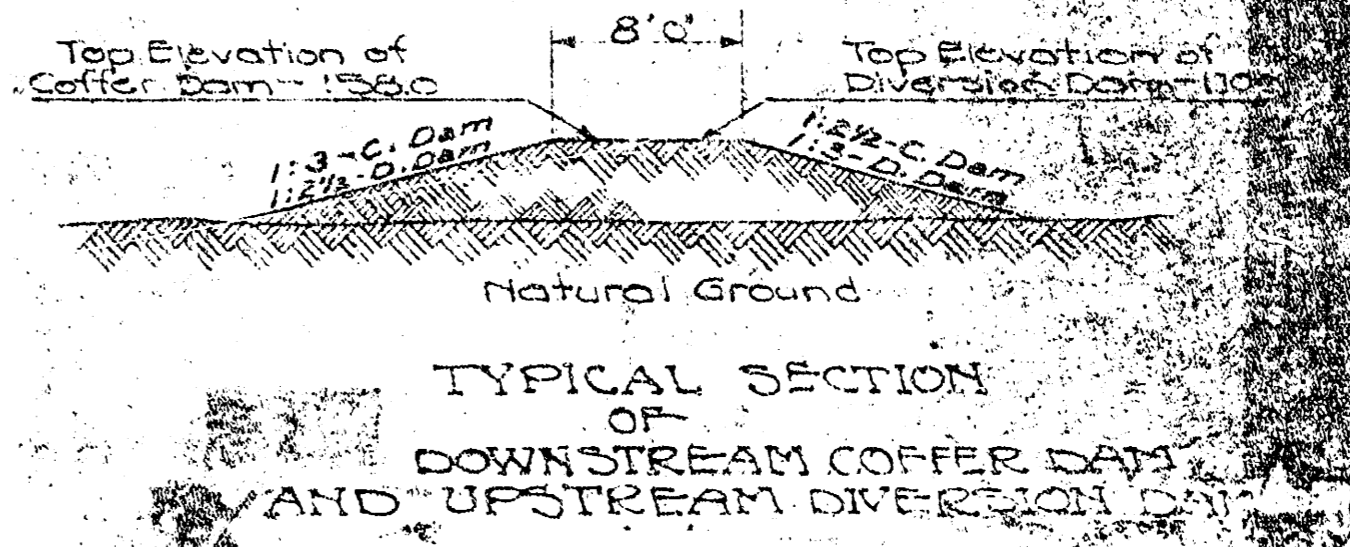
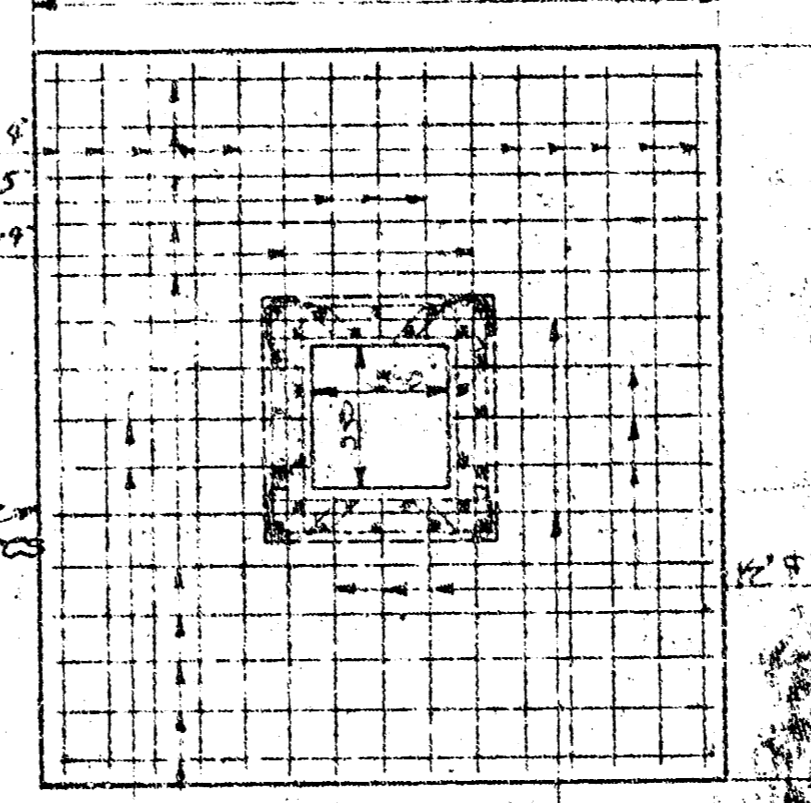


SECTION OF STONE RIPRAP ON MAIN DAM SECTION

NOTE: Stone Riprap to increase from 12" thickness at top to 18" thickness at bottom. Between Sta. 1+00 and 20+75.

TYPICAL SECTION OF APPROACH CHANNEL

Note: Apply scaling or solution on excavated face within 2 hours after excavation. Do not form base or bottom below shale line.

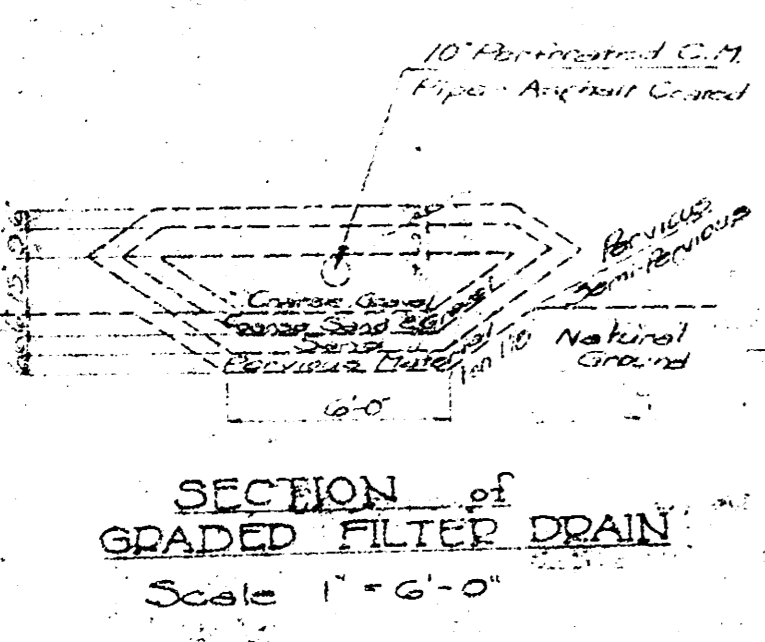


TYPICAL SECTION OF DOWNSTREAM COFFER DAM AND UPSTREAM DIVERSION DAM

Note: Each pile to be driven in shale 6'. Maximum length 25'-0".

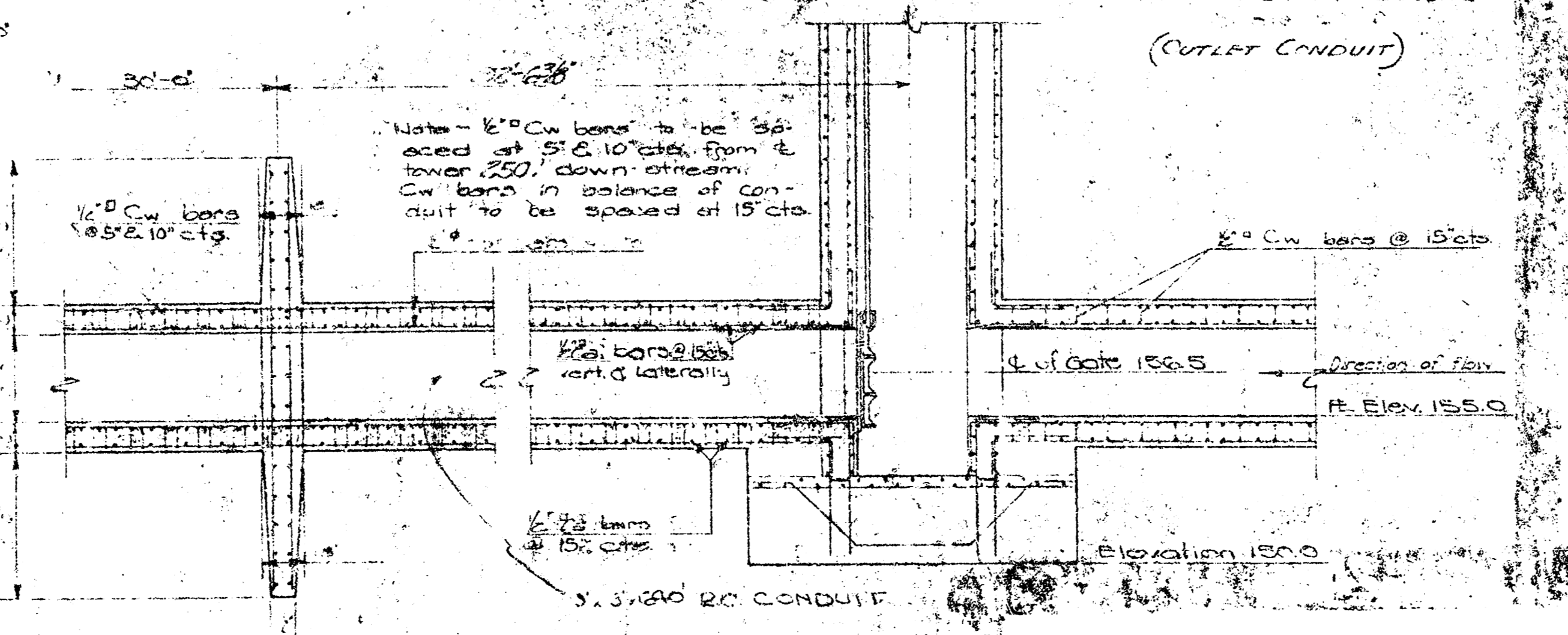
DETAIL OF INTERLOCKING STEEL SHEET PILING

Perforations to be 1/2" net diameter, punched 1/2" corners lengthwise in the sheet in inside flanges of all but the end corrugations of each quarter section. Eight rows per sheet and eight holes per row. Use standard bands for connections.



SECTION OF GRADED FILTER DRAIN Scale 1"=6'-0"

PERFORATED PIPE DETAILS



TYPICAL SECTION OF CUTOFF COLLAR AND SLUICE GATE Scale 1/2"=1'-0" (OUTLET CONDUIT)

(OUTLET CONDUIT)