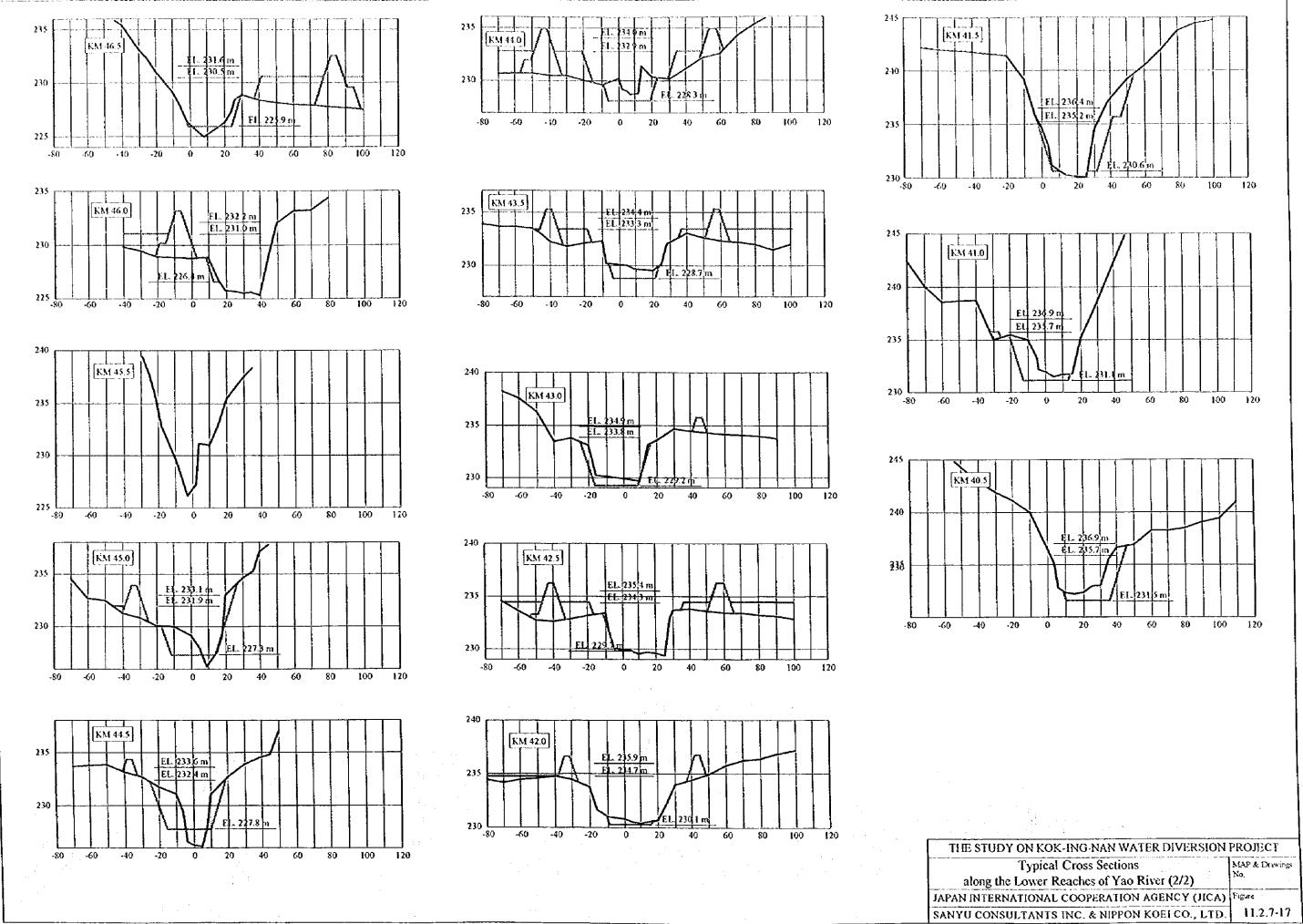
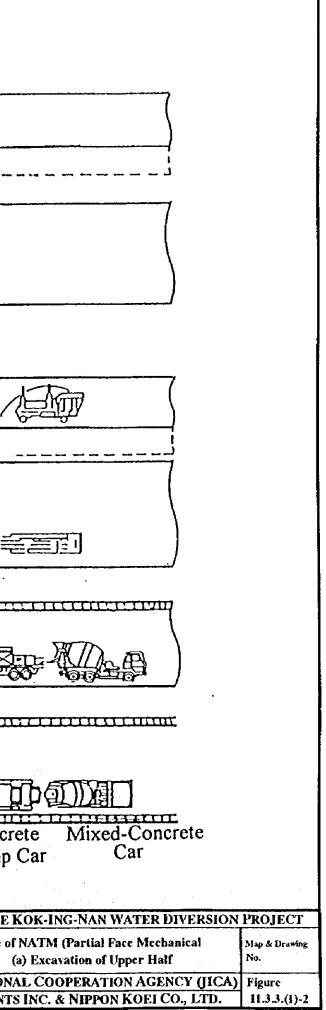


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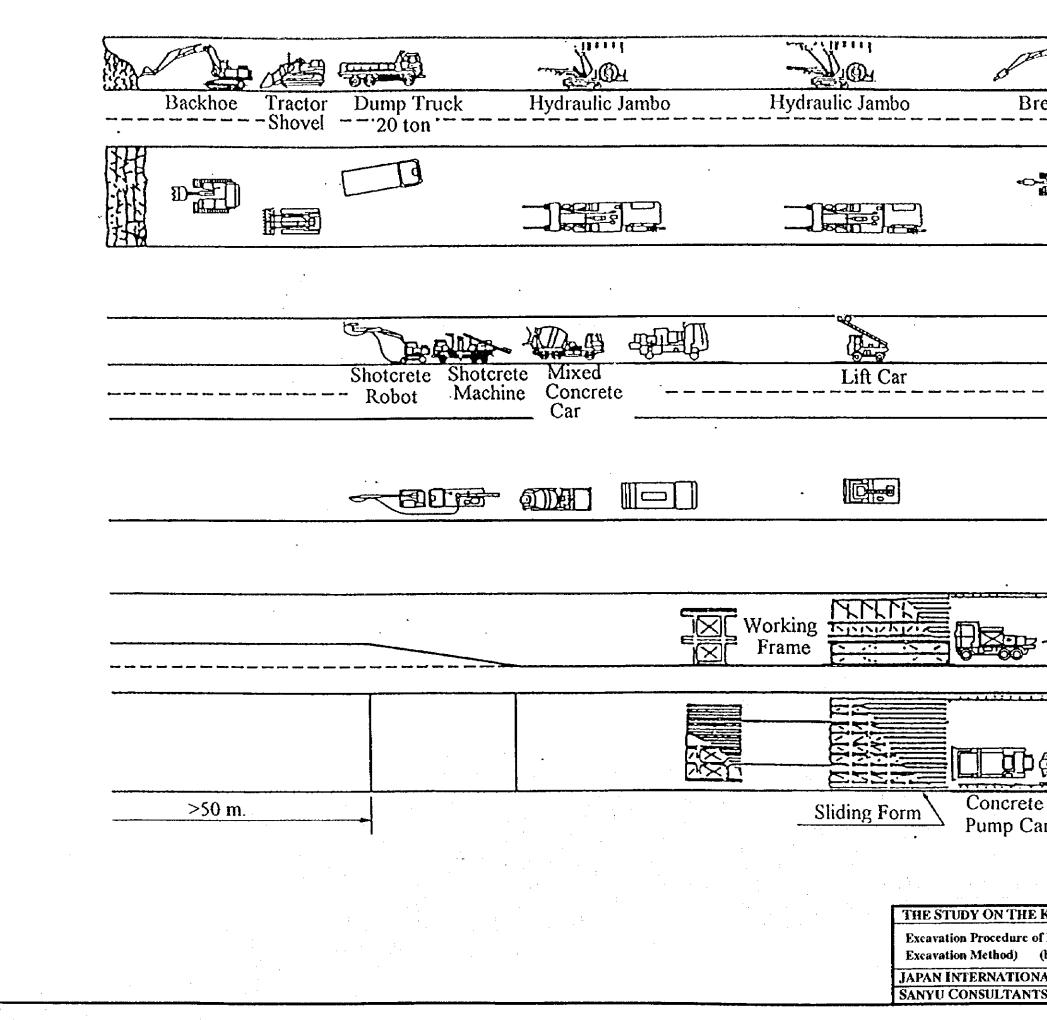
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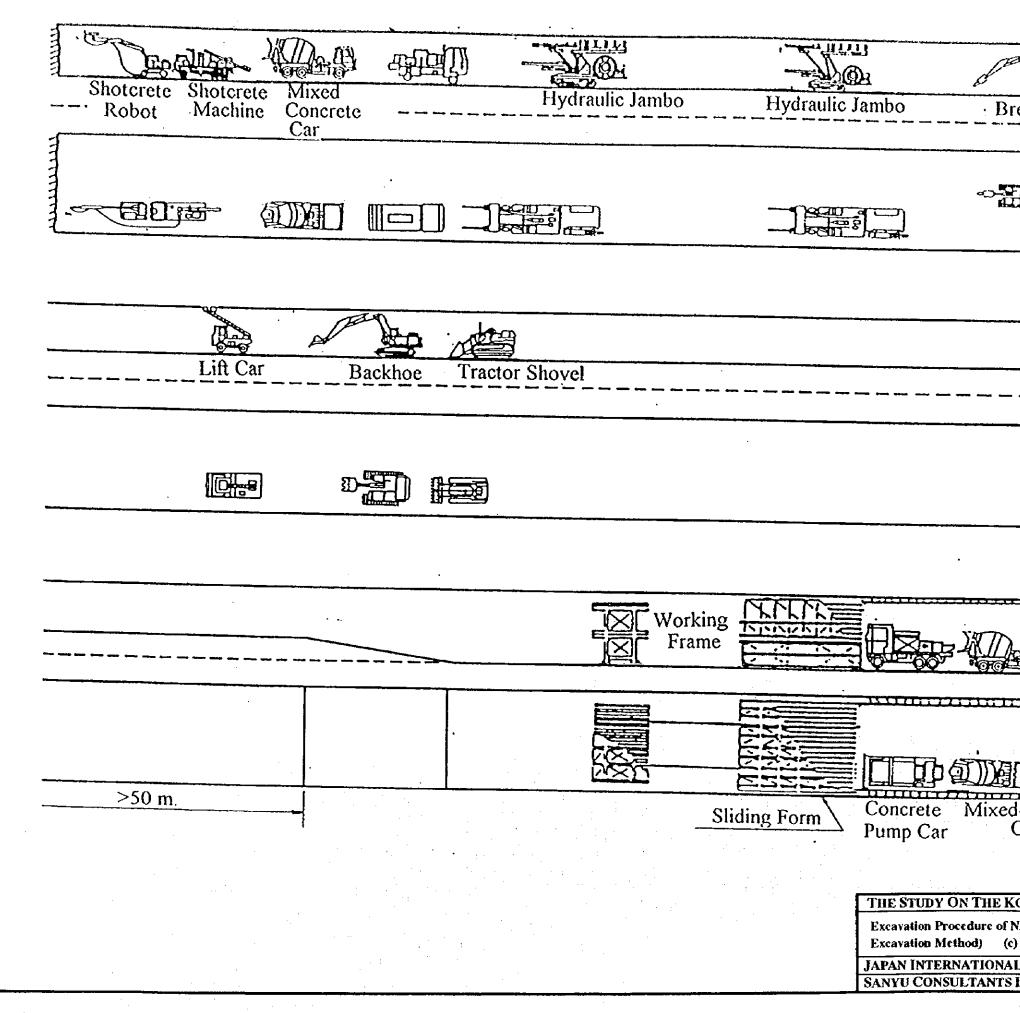
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DNAL COOPERATION AGENCY (JICA) NTS INC. & NIPPON KOEI CO., LTD.	Figure 11.3.3.(1)-4	

~~~<u>1939</u> 20 ത്ര and ? Hydraulic Jambo Lift Car Hydraulic Jambo - Jobin Ara En all a EF. Shotcrete Shotcrete Robot Machine Tractor Shovel ---Mixed Backhoe Concrete Robot -----Car 9 NILLE Working Frame TYNYKI X `` ÷ 1887 -D ESSE >50 m. Concrete Sliding Form Pump Car THE STUDY ON THI **Excavation Procedure** Excavation Method) JAPAN INTERNATIO SANYU CONSULTAN

| Breaker                                                                                           |                        |   |
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| Mixed-Concrete<br>Tr Car                                                                          |                        |   |
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| E KOK-ING-NAN WATER DIVERSION<br>of NATM (Partial Face Mechanical<br>(d) Excavation of Upper Half | Map & Drawing<br>No.   |   |
| DNAL COOPERATION AGENCY (JICA)<br>NTS INC. & NIPPON KOEI CO., LTD.                                | Figure<br>11.3.3.(1)-5 |   |

|   | Hydraulic Jambo Lift Car<br>Tractor Dump Truck Hydraulic Jambo Breaker                                                                                                                                                                                                   |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   |                                                                                                                                                                                                                                                                          |
| ( | Backhoe Shotcrete Shotcrete Mixed<br>Robot Machine Concrete                                                                                                                                                                                                              |
|   |                                                                                                                                                                                                                                                                          |
|   | Working<br>Frame<br>Sliding Form<br>Concrete<br>Concrete<br>Car                                                                                                                                                                                                          |
| ( |                                                                                                                                                                                                                                                                          |
|   | THE STUDY ON THE KOK-ING-NAN WATER DIVERSION PROJECT   Excavation Procedure of NATM (Partial Face Mechanical   Excavation Method) (c) Excavation of Upper Half   JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)   Figure   SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTD. |