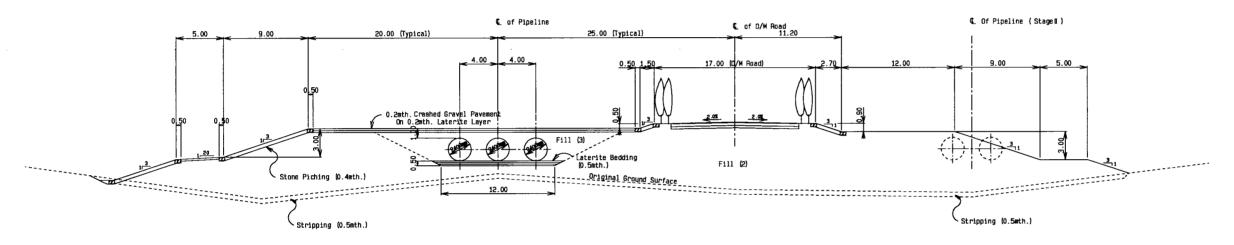


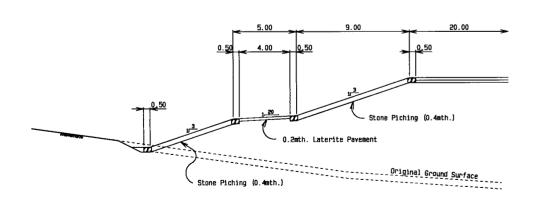
Parenthesis () figures show dimensions between KM 108.985 and KM 109.15762 (IP.16')



(IN CASE EMBANKMENT)

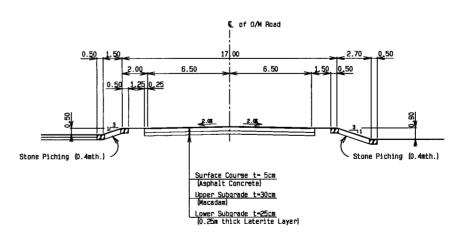
TYPICAL CROSS SECTION OF PIPELINE

SCALE 1: 400



TYPICAL CROSS SECTION OF STONE PITCHING

SCALE 1: 300

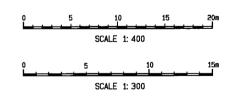


TYPICAL CROSS SECTION OF O/M ROAD

SCALE 1: 300

NOTES:

- This drawing shows typical section of Pipeline included O/M Road and stone pitching.
- (2) Laterite bedding pipe foudation shall not be mixed with boulder except 40mm or larger of grain size.
- (3) Backfill and fill of pipe. circumference shall be satisfactorily compacted by adequate machinery. approved by the Engineers,
- (4) Right side of O/M Road is for pipe stock yard which is not required surface trimming.

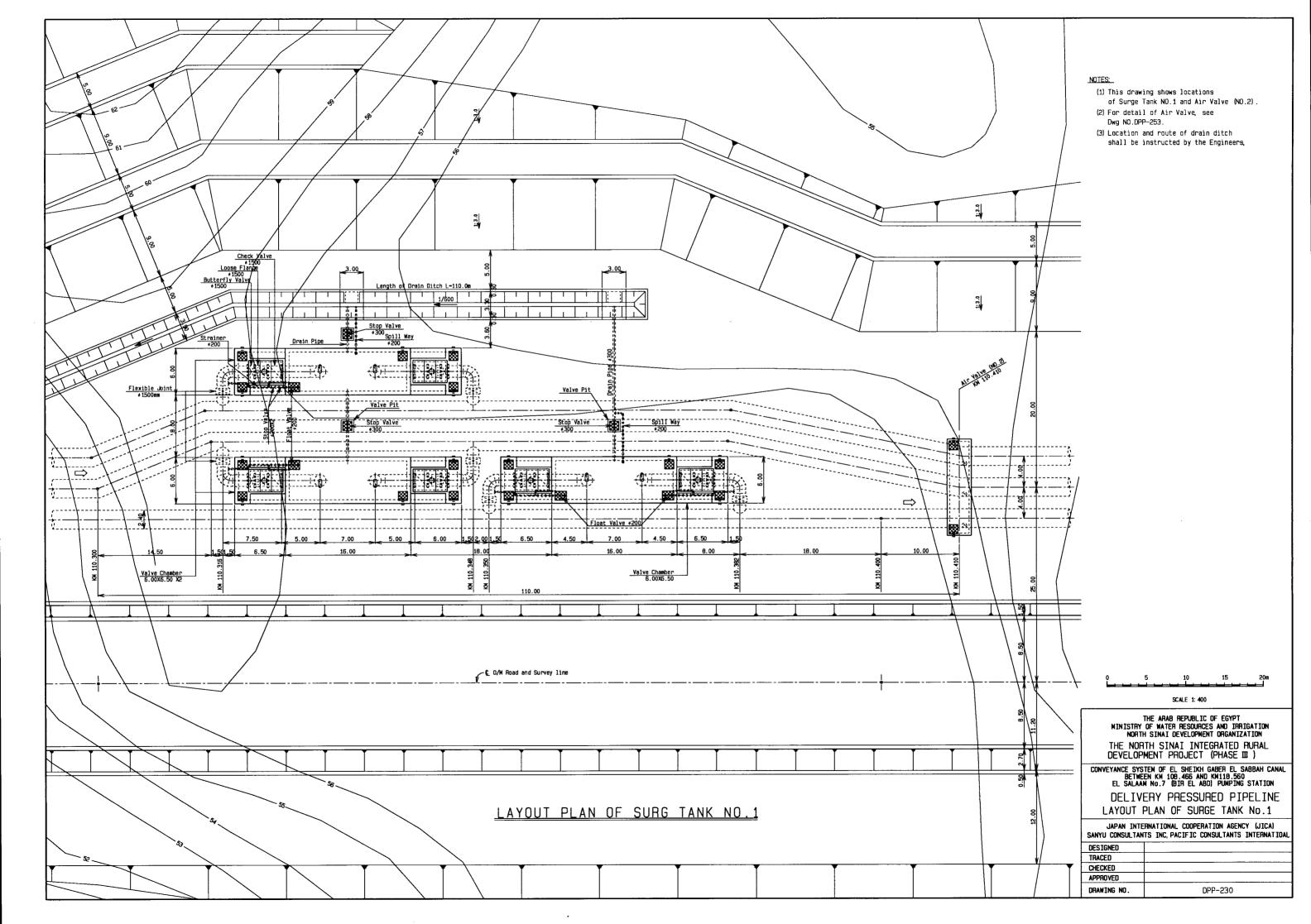


THE ARAB REPUBLIC OF EGYPT
MINISTRY OF WATER RESOURCES AND IRRIGATION
NORTH SINAI DEVELOPMENT ORGANIZATION
THE NORTH SINAI INTEGRATED RURAL
DEVELOPMENT PROJECT (PHASE III)

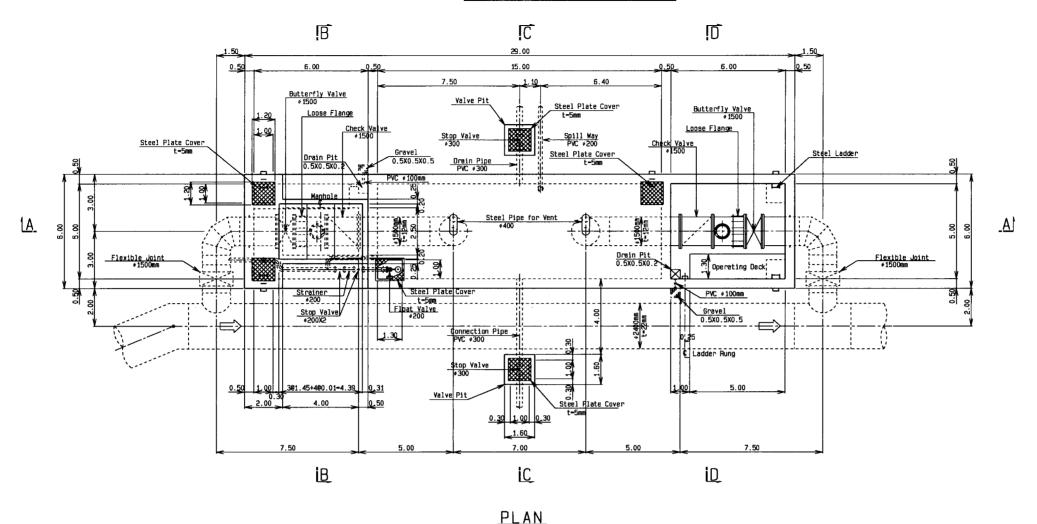
CONVEYANCE SYSTEM OF EL SHEIKH GABER EL SABBAH CANAL
BETMEEN KM 108.465 AND KM118.560
EL SALAAM NO.7 (BIR EL ABD) PUMPING STATION
DELIVERY PRESSURED PIPELINE
TYPICAL CROSS SECTION
OF PIPELINE AND O/M ROAD

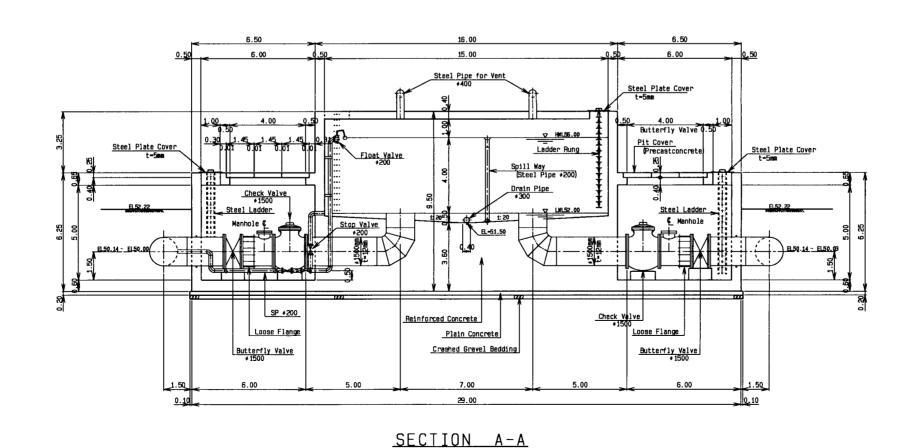
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
SANYU CONSULTANTS INC, PACIFIC CONSULTANTS INTERNATIOAL

DESIGNED	
TRACED	
CHECKED	
APPROVED	
DRAWING NO.	0PP-229



SURGE TANK NO.1 (1/2)





NOTES:

 Miscellaneous steel such as steel plate cover, steel ladder and ladder rung, see Dwg NO.DPP-243,

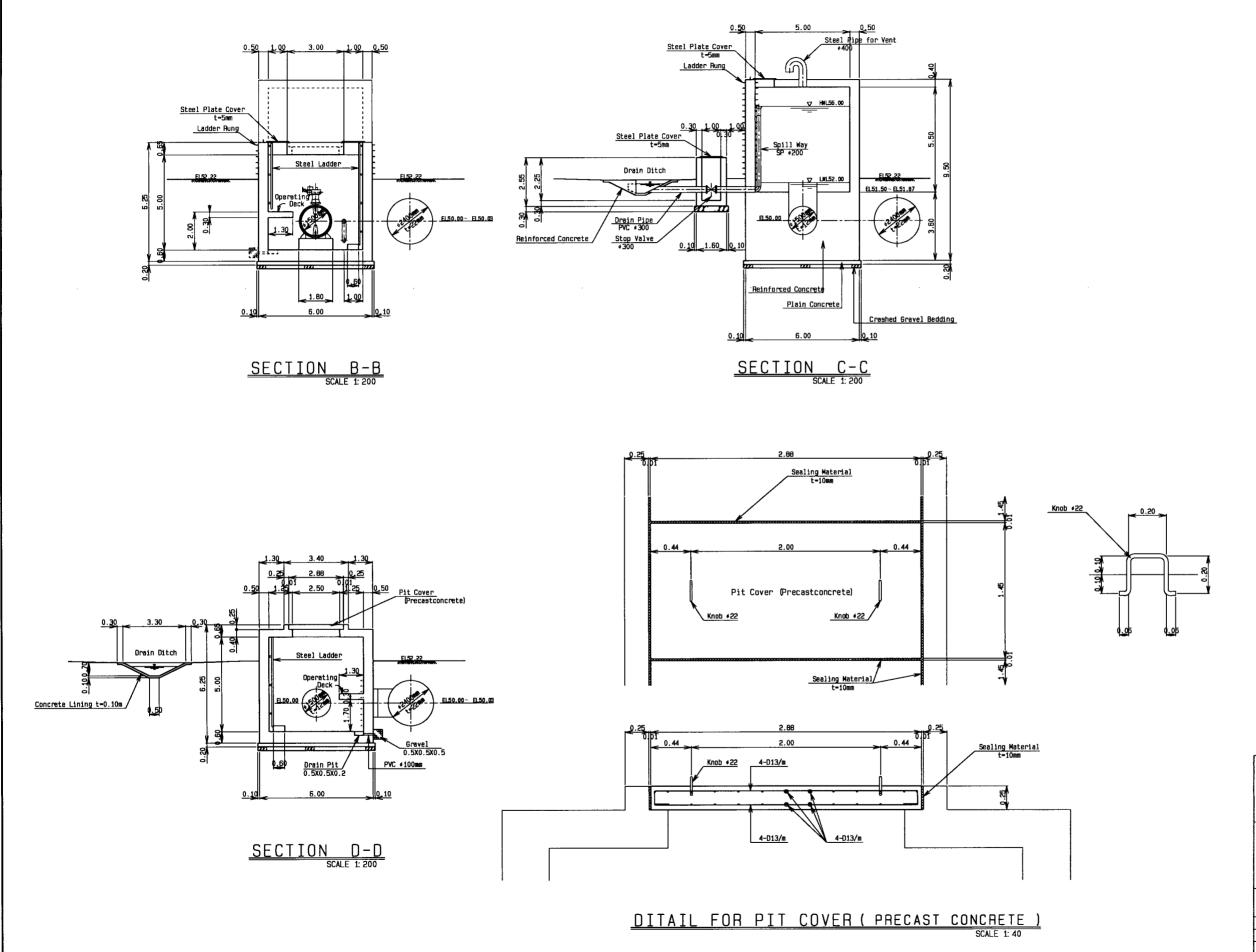


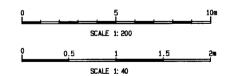
THE ARAB REPUBLIC OF EGYPT
MINISTRY OF WATER RESOURCES AND IRRIGATION
NORTH SINAI DEVELOPMENT ORGANIZATION
THE NORTH SINAI INTEGRATED RURAL
DEVELOPMENT PROJECT (PHASE II)

CONVEYANCE SYSTEM OF EL SHEIKH GABER EL SABBAH CANAL
BETMEEN KM 108,466 AND KM118.550
EL SALAAM NO.7 (BIR EL ABD) PUMPING STATION
DELIVERY PRESSURED PIPELINE
PLAN AND SECTION OF SURGE TANK No.1

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
SANYU CONSULTANTS INC, PACIFIC CONSULTANTS INTERNATIOAL
DESIGNED
TRACED
CHECKED
APPROVED
DRAWING NO. DPP-231

SURGE TANK NO.1 (2/2)





THE ARAB REPUBLIC OF EGYPT
MINISTRY OF MATER RESOURCES AND IRRIGATION
NORTH SINAI DEVELOPMENT ORGANIZATION
THE NORTH SINAI INTEGRATED RURAL
DEVELOPMENT PROJECT (PHASE II)

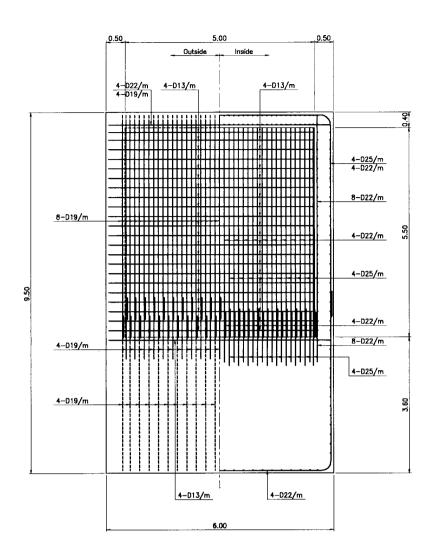
CONVEYANCE SYSTEM OF EL SHEIKH GABER EL SABBAH CANAL
BETMEEN KM 108.466 AND KM118.560
EL SALAAM NO.7 (BIR EL ABO) PUMPING STATION
DELIVERY PRESSURED PIPELINE
SECTIONS AND DETAILS OF
SURGE TANK NO.1

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
SANYU CONSULTANTS INC, PACIFIC CONSULTANTS INTERNATIOAL

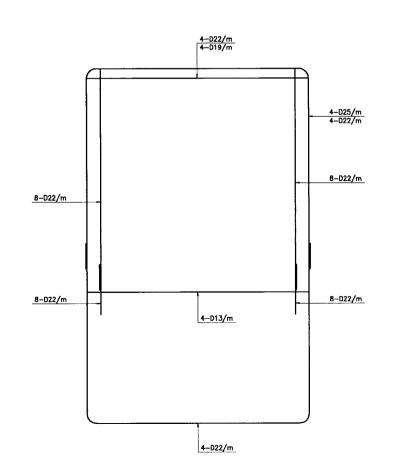
DESIGNED	
TRACED	
CHECKED	
APPROVED	
DRAWING NO.	DPP-232

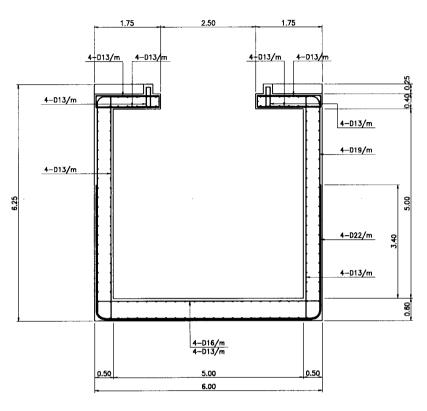
SURGE TANK NO.1 WORKS (1/4) 1.50 0.50 Top Slab Bottom Slab 4-D19/m 4-D19/m 2-D13 4-D13/r 4-D13/m 4-D13/m 3-D13 8-D19/m 4-D13/m 4-D13/m 4-D16/m 4-D22/m 4-D19/m 4-D22/m 4-D13/m 8-D16/m 4-D19/m 2--D13 4-013/m 3-D13 4-013/m 4-D13/m 4-D13/m ГĊ B 8-D16/m 4-D13/m 8-D19/m 4-D13/m 4-D13/m 8-D22/m 4-D19/m 4-D19/m 4-D13/m 4-D13/m 8-D22/m SCALE 1:100 THE ARAB REPUBLIC OF EGYPT MINISTRY OF WATER RESOURCES AND IRRIGATION NORTH SINAI DEVELOPMENT ORGANIZATION 4-D13/m g THE NORTH SINAI INTEGRATED RURAL DEVELOPMENT PROJECT (PHASE III) 8-D22/m CONVEYANCE SYSTEM OF EACH SHEIKH GABER EL SABBAH CANAL BETWEEN KM 108.466 AND KM 118.560 EL SALAAM No.7 (BIR EL ABD) PUMPING STATION DELIVERY PRESSURED PIPELINE SURGE TANK No.1 REINFORCEMENTS (1/4) 4-D22/m 4-D13/m 4-D25/m 4-D13/m 4-D22/m 4-D13/m 4-D19/m 4-D13/m 4-D13/m JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) SANYU CONSULTANTS INC.PACIFIC CONSULTANTS INTERNATIOAL DESIGNED TRACED Α B C CHECKED APPROVED DRAWING NO.

SURGE TANK NO.1 WORKS (2/4) SCALE 1:100

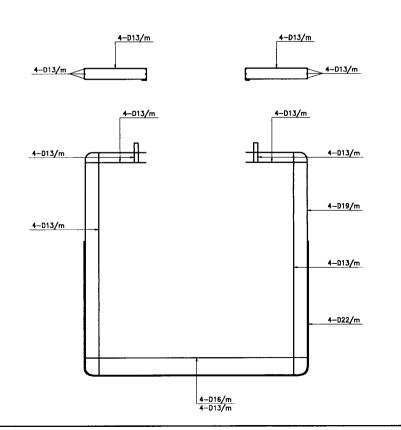


SECTION A-A





SECTION B-B





THE ARAB REPUBLIC OF EGYPT
MINISTRY OF WATER RESOURCES AND IRRIGATION
NORTH SINAI DEVELOPMENT ORGANIZATION

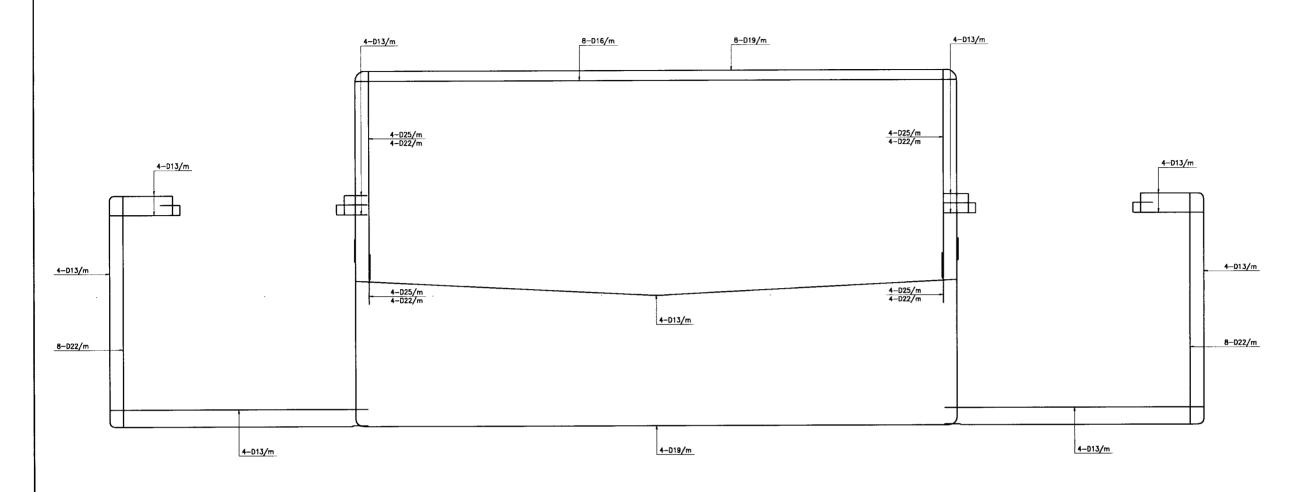
THE NORTH SINAI INTEGRATED RURAL DEVELOPMENT PROJECT (PHASE III)

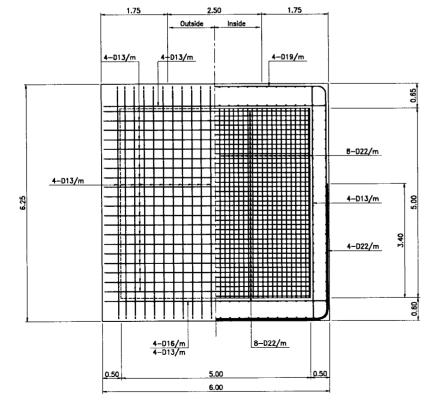
CONVEYANCE SYSTEM OF EL SHEIKH GABER EL SABBAH CANAL
BETWEEN KM 108.466 AND KM 118.560
EL SALAAM No.7 (BIR EL ABD) PUMPING STATION
DELIVERY PRESSURED PIPELINE
SURGE TANK No.1
REINFORCEMENTS (2/4)

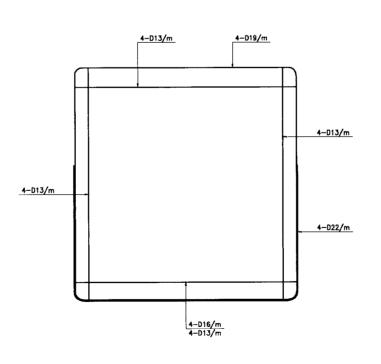
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
SANYU CONSULTANTS INC, PACIFIC CONSULTANTS INTERNATIOAL

DESIGNED	
TRACED	
CHECKED	
APPROVED	
DRAWING NO.	DPP-234

SURGE TANK NO.1 WORKS (3/4) SCALE 1:100







SECTION C-C



THE ARAB REPUBLIC OF EGYPT
MINISTRY OF WATER RESOURCES AND IRRIGATION
NORTH SINAI DEVELOPMENT ORGANIZATION

THE NORTH SINAI INTEGRATED RURAL DEVELOPMENT PROJECT (PHASE III)

CONVEYANCE SYSTEM OF EL SHEIKH GABER EL SABBAH CANAL
BETWEEN KM 108-466 AND KM 118-560
EL SALAAM No.7 (BIR EL ABD) PUMPING STATION
DELIVERY PRESSURED PIPELINE
SURGE TANK No.1
REINFORCEMENTS (3/4)

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
SANYU CONSULTANTS INC,PACIFIC CONSULTANTS INTERNATIOAL

DESIGNED	
TRACED	
CHECKED	
APPROVED	
DRAWING NO.	DPP-235

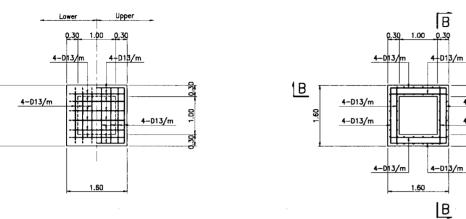
SURGE TANK NO.1 WORKS (4/4) SCALE 1:100

B

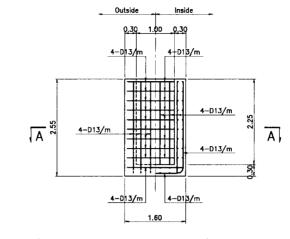
4-D13/m

4-D13/m

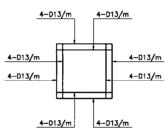
VALVE PIT

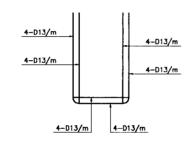


SECTION A-A

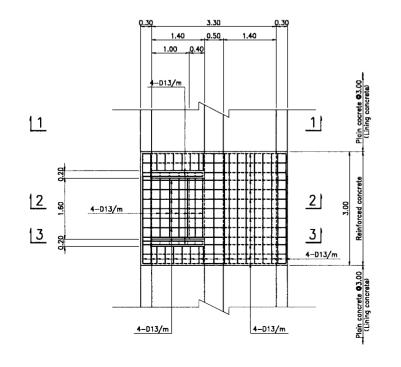


SECTION B-B

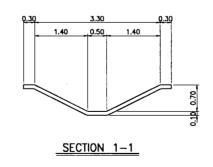


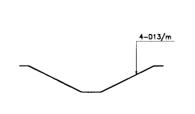


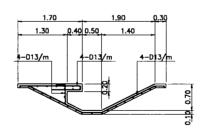
DRAIN DITCH



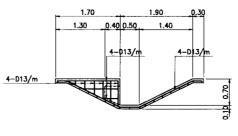
BOTTOM SLAB







SECTION 2-2



SECTION 3-3

NOTES;

1. Lining concrete shall be made the contraction joint at each 3.00 Tongitudinal distance.



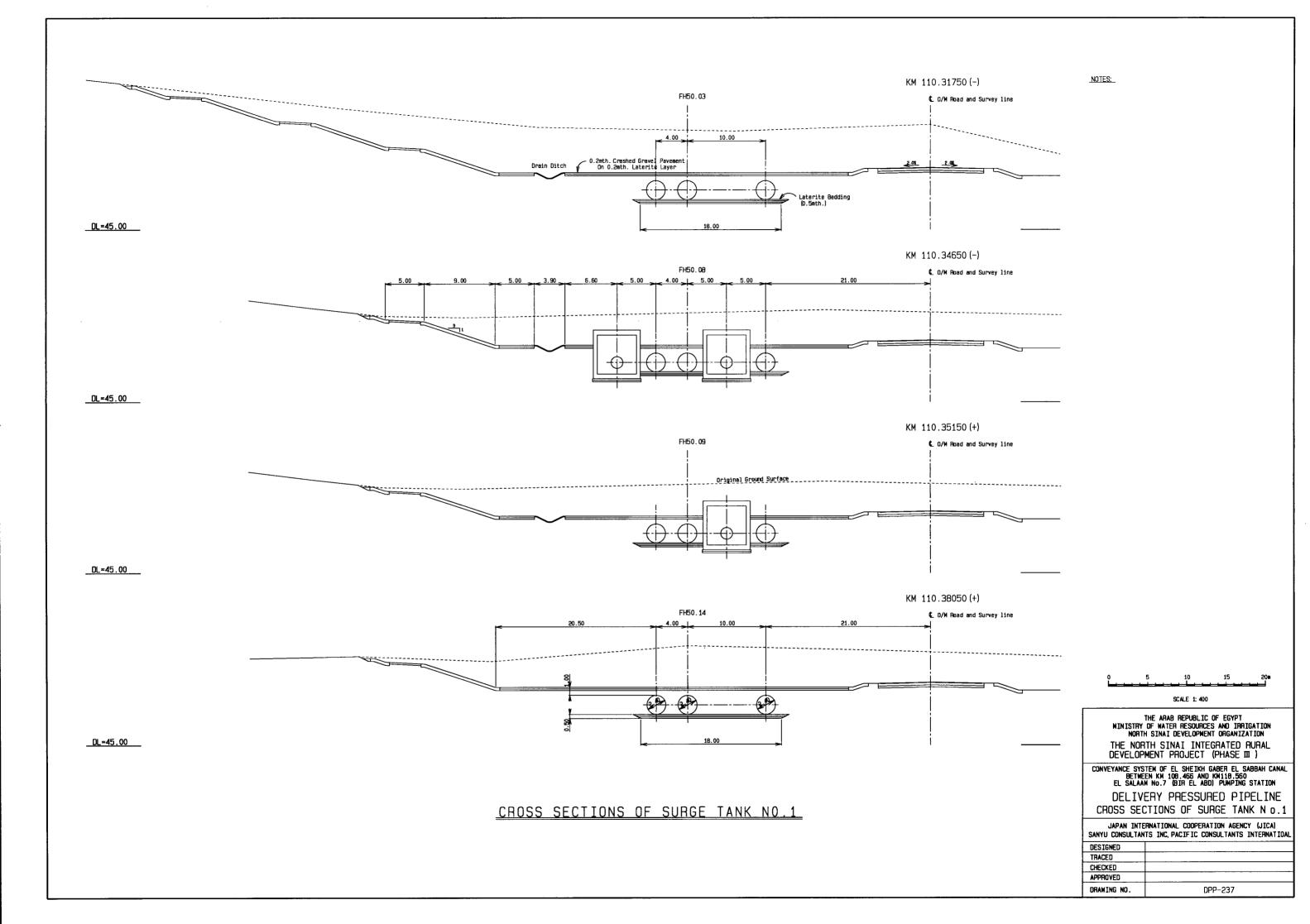
THE ARAB REPUBLIC OF EGYPT MINISTRY OF WATER RESOURCES AND IRRIGATION NORTH SINAI DEVELOPMENT ORGANIZATION

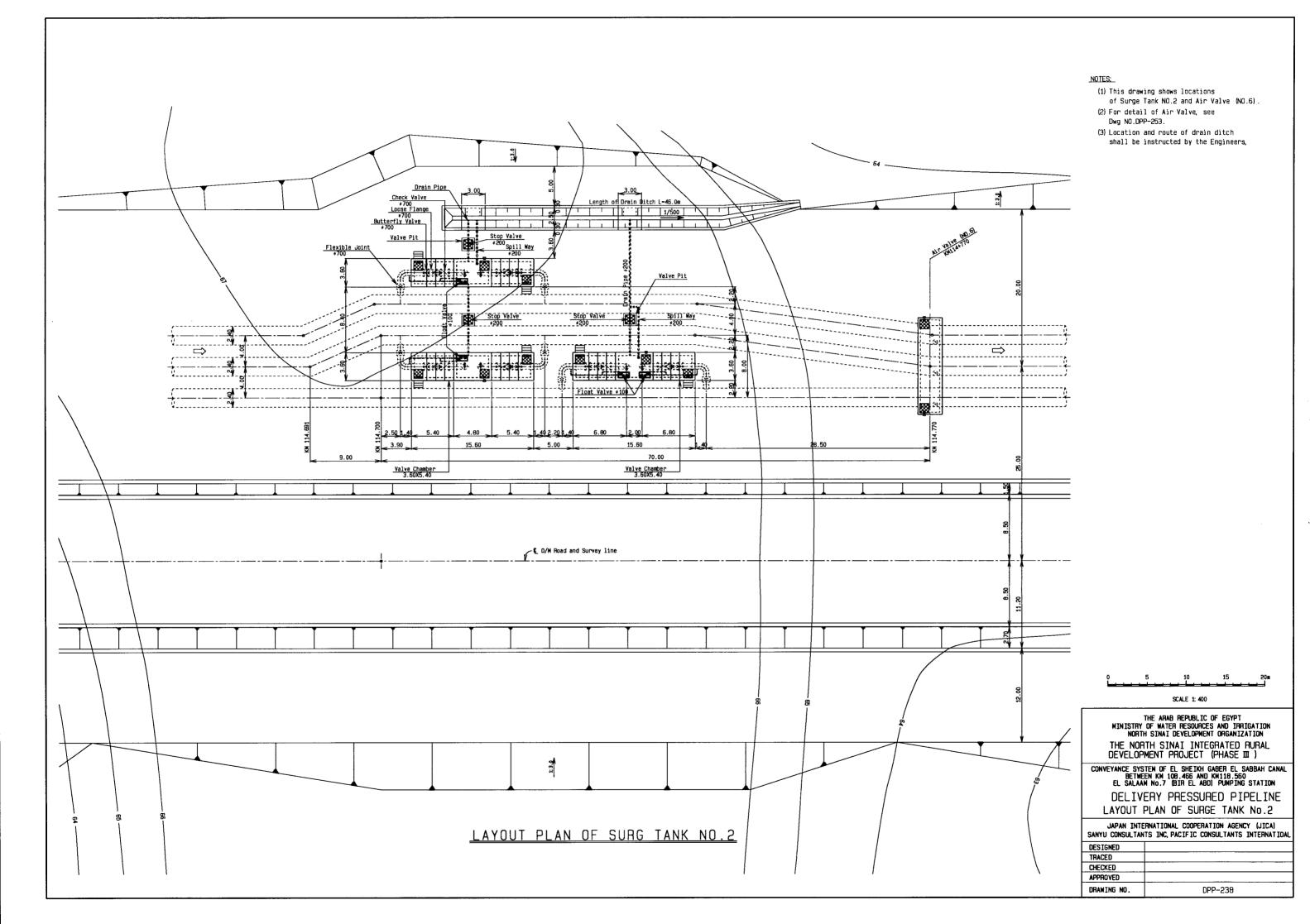
THE NORTH SINAI INTEGRATED RURAL DEVELOPMENT PROJECT (PHASE III)

CONVEYANCE SYSTEM OF EL SHEIKH GABER EL SABBAH CANAL BETWEEN KM 108.466 AND KM 118.560 EL SALAAM No.7 (BIR EL ABD) PUMPING STATION DELIVERY PRESSURED PIPELINE SURGE TANK No. 1 REINFORCEMENTS (4/4)

JAPAN INTERNATIONAL CODPERATION AGENCY (JICA)
SANYU CONSULTANTS INC. PACIFIC CONSULTANTS INTERNATIOAL

artio consociums mo, nomio consociums michaniste	
DESIGNED	
TRACED	
CHECKED	
APPROVED	
DRAWING NO.	DPP-236





SURGE TANK NO.2

NOTES:

(1) Miscellaneous steel such as steel plate cover, steel ladder and ladder rung, see Dwg NO.DPP-243,

SCALE 1: 200

DPP-239

DRAWING NO.

