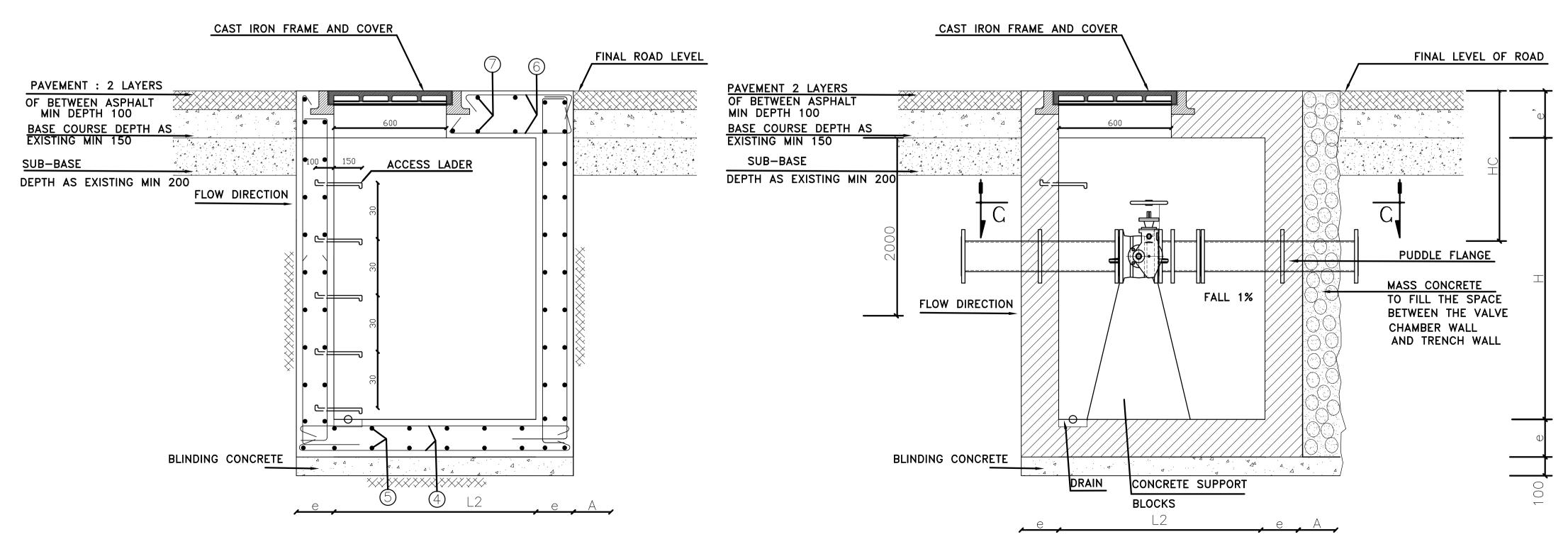


TYPE 1-C



TYPICAL SECTION B-B

F

G

Н

TYPICAL SECTION A-A

С

D

NOTES:								
	REINFORCED CONCRETE: NORMAL PORTLAND CEMENT, GRADE C45. DOSING 350 Kg/m3							
BI	BLINDING AND MASS CONCRETE: NORMAL PORTLAND CEMENT, GRADE C45. DOSING 250 kg/m3.							
	REINFORCEMENT: DEFORMED HIGH STRENGTH STEEL BARS: SYMBOL T YIELD STRESS: Fy=400 MPa. MILD STEEL BARS : SYMBOL Ø YIELD STRESS: Fy=215 MPa.							
	STRESSES: SEVERE CONTROL. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS: fc =25 MPa. CONCRETE TENSILE STRENGTH AT 28 DAYS: ft =2.1 MPa.							
	CONCRETE COVER: CLEARANCE BETWEEN THE EXTERNAL GENERATRIX OF BARS AND THE FACINGS SHALL BE 30 mm							
OVERLAPPING: LAPS SHALL NOT BE LESS THAN FIFTY TIMES THE BAR DIAMETER. WHERE SPLICE BARS ARE USED, THEIR LENGTH SHALL NOT BE LESS THAN $2 \times 50 $ %. ($ = $ NOMINAL DIAMETER OF BAR). LAPS SHALL BE STAGGERED FROM ONE HOOP TO THE OTHER AND/OR ONE BAR TO THE OTHER IN ORDER TO REDUCE THE NUMBER OF LAPS IN THE SAME SECTION. STIRRUPS Ø8 SHALL BE USED ON EACH LAP.								
BENDING: Ø > 12mm MECHANICAL. Ø ≤ 12mm MANUAL (POSSIBLY). STRAIGHTENING OF BENDED BARS IS NOT ALLOWED.								
FORMWORK: All executed concrete shall be fair face concrete (metallic or plywood formwork).								
	WATERPROOFING: BITUMEN LAYER ON EXTERNAL SURFACES OF VALVE CHAMBER WALLS EXCEPT WHERE THERE IS MASS CONCRETE							
 REMARKS: * HOLES MADE BY THE TIE-RODS SHALL BE FILLED WITH A NON SHRINK GROUT BY MEANS OF SPECIAL INJECTION METHODS. * ALL DIMENSIONS ARE IN MILLIMETERS. * SCALING FROM THESE DRAWINGS IS NOT ALLOWED. * SOIL FRICTION ANGLE SHALL BE 25" * GROUND/ MANHOLE FRICTION COEFFICIENT SHALL BE 2/3 tg Ø * THE PASSIVE EARTH PRESSURE SHALL BE TAKEN INTO ACCOUNT FOR MANHOLE STABILITY BY FILLING THE VOID BETWEEN THE MANHOLE AND THE TRENCH WALL WITH MASS CONCRETE OF A MINIMUM THICKNESS "200". 								
SOAKAWAY TO BE USED ONLY IF THE INSTALLATION OF AN ADEQUATE GRAVITY DRAIN PIPE TO A FREE OUTLET IS DETERMINED BY THE SUPERVISOR NOT TO BE POSSIBLE. WASHOUT CHAMBER DIMENSIONS : IN THE CASES WHERE THE WASHOUT CHAMBER IS TO HOUSE, AT THE SAME TIME, THE WASHOUT GATE VALVE AND THE MAIN PIPE, THE CHAMBER DIMENSIONS MAY VARY FROM THOSE INDICATED ON THIS DRAWING, CONSEQUETLY, THE EXACT DIMENSIONS ARE TO BE TAKEN FROM THE RELEVANT SPECIFICATIONS AND/OR DRAWINGS IN THE TENDER DOCUMENTS OR AS DIRECTED BY THE SUPERVISOR. * T.P. =TEST PRESSURE * WASHOUT CHAMBER TYPE II SHALL BE USED NORMALLY.IF DETERMINED BY THE SUPERVISOR NOT TO BE APPLICABLE , TYPE I WILL BE USED.								
REV.	DATE	DRAWN BY	CHECKED BY	APPROVED BY	MODIFIC	ATION	STATUTS	
UNITED NATIONS DEVELOPMENT PROGRAMME LEBANON								
NORTH LEBANON WATER SUPPLY CONSTRUCTION OF WADI KHALED 2 WATER SUPPLY SYSTEM								
TYPICAL CONNECTIONS OF NEW PIPES TO EXISTING GALVANIZED STEEL PIPES LAYOUT & DETAILS $(1/2)$								
SCALE	SCALE : _ DATE : DATE : DRAWING N* : WS-WK-253-A.dwg							
	LIBANCONSULT AGM Consulting EngineersN° :REV. $W,S,W,K,2,5,3$ A							

A1

А