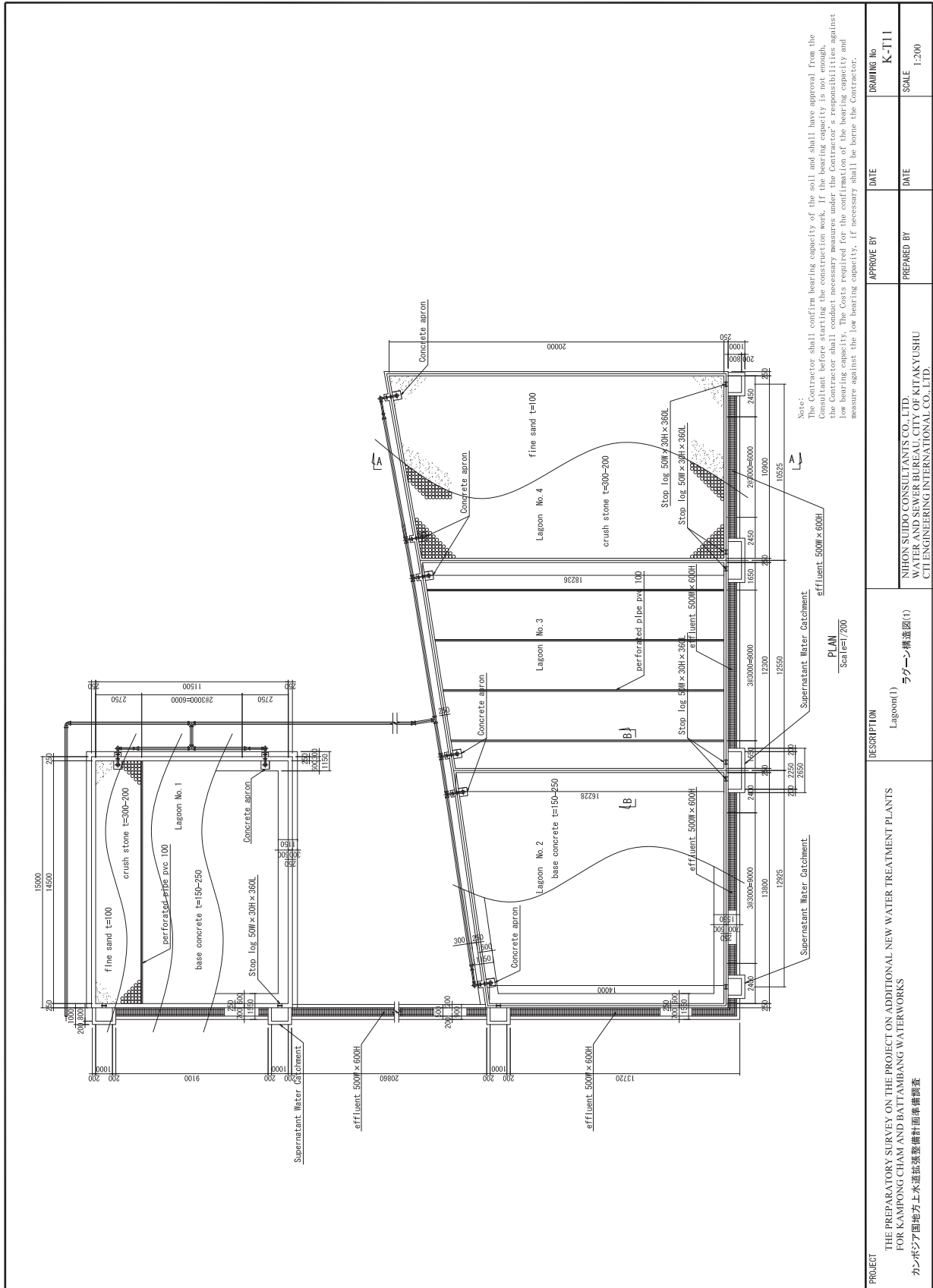


Notes:  
 The Contractor shall confirm bearing capacity of the soil and shall have approval from the Consultant before starting the construction work. If the bearing capacity is not enough, the Contractor shall be responsible under the Contract for the bearing capacity against the low bearing capacity. The Costs required for the confirmation of the bearing capacity and measure against the low bearing capacity, if necessary shall be borne the Contractor.

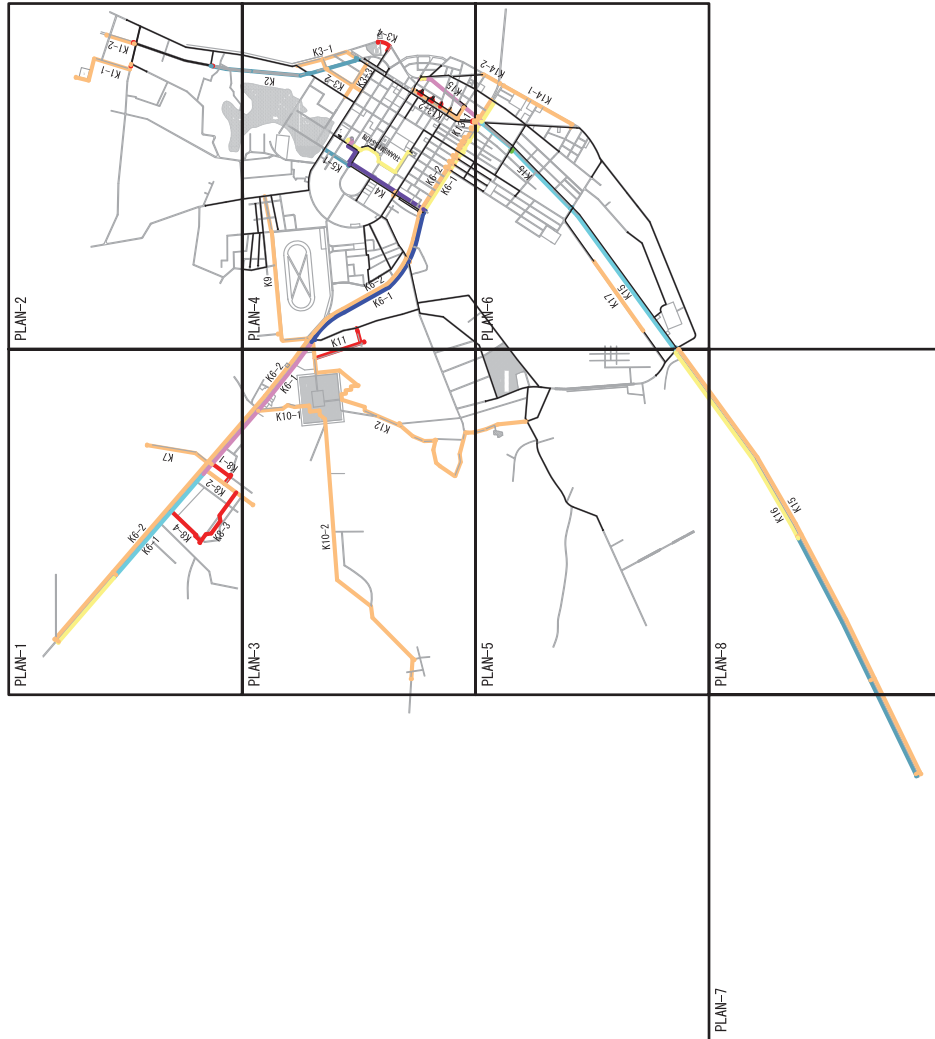
PROJECT	THE PREPARATORY SURVEY ON THE PROJECT ON ADDITIONAL NEW WATER TREATMENT PLANTS FOR KAMPONG CHAM AND BATTAMBANG WATERWORKS		Drainage Basin Structure 排水池構造図		DRAWING No
	カンボジア国地方上水道拡張整備計画準備調査				K-T110
DESCRIPTION			APPROVE BY	DATE	SCALE
			PREPARED BY	DATE	1:100



PROJECT	THE PREPARATORY SURVEY ON THE PROJECT ON ADDITIONAL NEW WATER TREATMENT PLANTS FOR KAMPONG CHAM AND BATTAMBANG WATERWORKS カンボジア国地方上水道拡張整備計画準備調査	DESCRIPTION	Lagoon (1) ラグーン構造図(1)	DATE	APPROVE BY
				DATE	PREPARED BY
				DRAWING No	K-T11
				SCALE	1:500



LOCALITY MAP Scale: 1/20,000



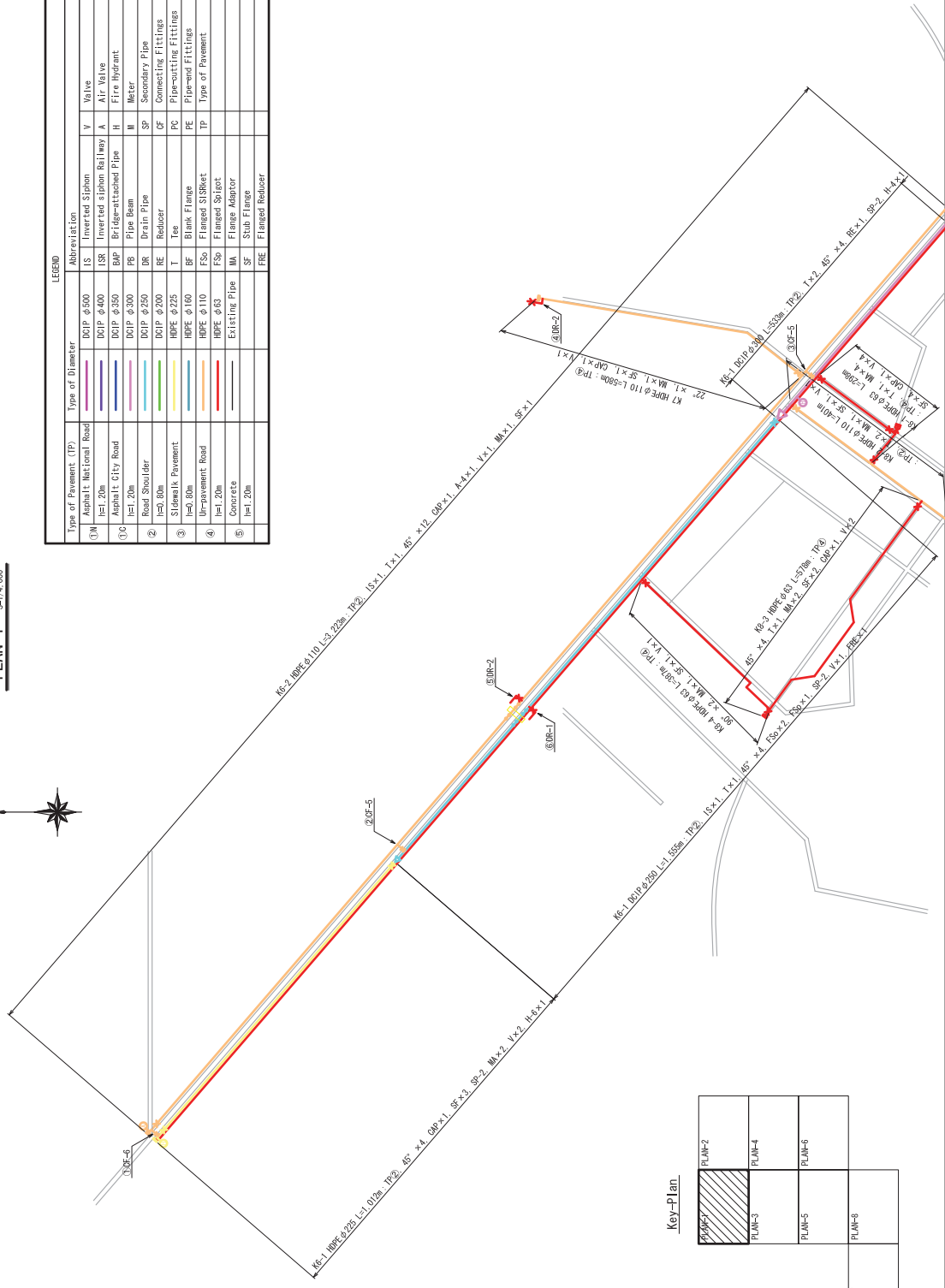
LEGEND	
Type of Diameter	
	DCIP $\phi$ 500
	DCIP $\phi$ 400
	DCIP $\phi$ 350
	DCIP $\phi$ 300
	DCIP $\phi$ 250
	DCIP $\phi$ 200
	HDPE $\phi$ 225
	HDPE $\phi$ 180
	HDPE $\phi$ 110
	HDPE $\phi$ 83
	Existing Pipe

PLAN-1 S=1/4,000



LEGEND

Type of Pavement (TP)	Type of Diameter	Abbreviation
① Asphalt National Road H=L 20m	DCIP φ500	IS Inverted Siphon
	DCIP φ400	IS Inverted siphon Railway
	DCIP φ350	BAP Bridge-attached Pipe
② Asphalt City Road H=L 20m	DCIP φ300	PE Pipe beam
	DCIP φ250	DR Drain Pipe
	DCIP φ200	RE Reducer
③ Road Shoulder H=L 80m	HDPE φ225	T Tee
	HDPE φ160	BF Blank Flange
④ Sidewalk Pavement H=L 80m	HDPE φ110	FS Flanged S/Socket
	HDPE φ63	FS Flanged Socket
⑤ Irrigation Road H=L 20m	Existing Pipe	MA Flange Manicor
		SP Flanged Reducer



Key-Plan

PLAN-2	PLAN-4
PLAN-3	PLAN-5
PLAN-6	PLAN-7

コンポンチャム送配水管路敷設詳細図 (1)  
Plan (1) for Transmission and Distribution Pipeline, Kampong Cham

K-D2

PLAN-2 Set/4,000

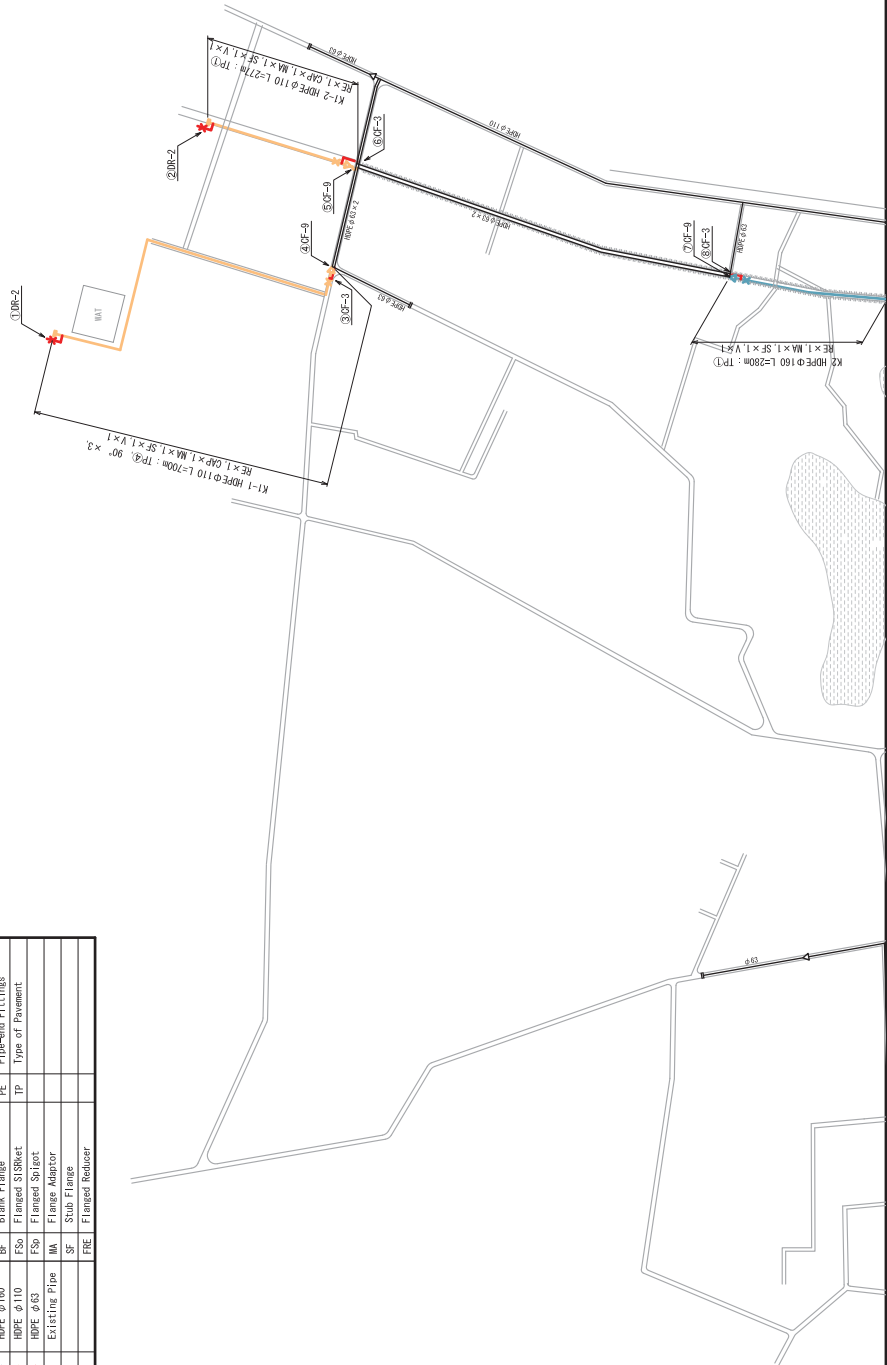


LEGEND

Type of Pavement (TP)	Type of Diameter	Abbreviation	V	Value
①) Asphalt National Road 1st 2.0m	DCIP φ300	IS	Inverted Siphon	V
	DCIP φ400	ISR	Inverted siphon Railway	A
	DCIP φ350	BAP	Br idge-attached Pipe	H
①C Asphalt City Road 1st 2.0m	DCIP φ300	PB	Pipe Beam	M
	DCIP φ250	DR	Drain Pipe	SP
② Road Shoulder 1st 0.8m	DCIP φ200	RE	Reducer	CF
	DCIP φ225	T	Tree	PC
③ Slabwalk Pavement 1st 0.8m	HDPE φ160	BF	Blank Flange	PE
	HDPE φ110	FSS	Flanged S/Socket	TP
④ Improvement Road 1st 2.0m	HDPE φ63	FSS	Flanged Socket	TP
Concrete	Existing Pipe	BM	Flange Manbor	
1st 2.0m		SP	Stub Flange	
		FRE	Flanged Reducer	

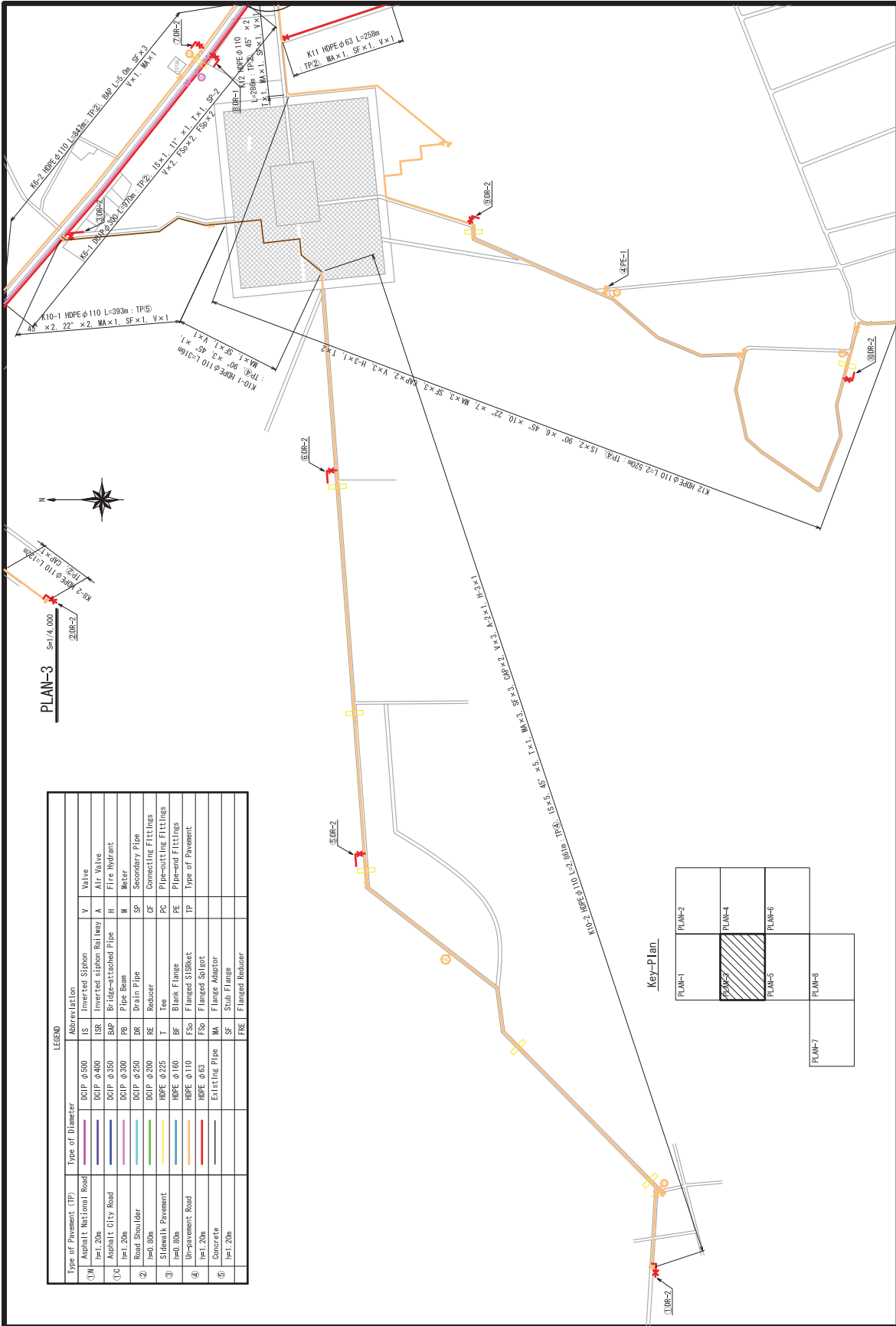
Key-Plan

PLAN-1	PLAN-2	PLAN-3	PLAN-4	PLAN-5	PLAN-6	PLAN-7



コンポンチャム送配水管路敷設詳細図 (2)  
Plan (2) for Transmission and Distribution Pipeline, Kampong Cham

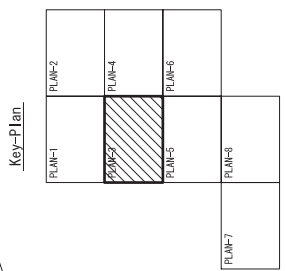
K-D3



PLAN-3

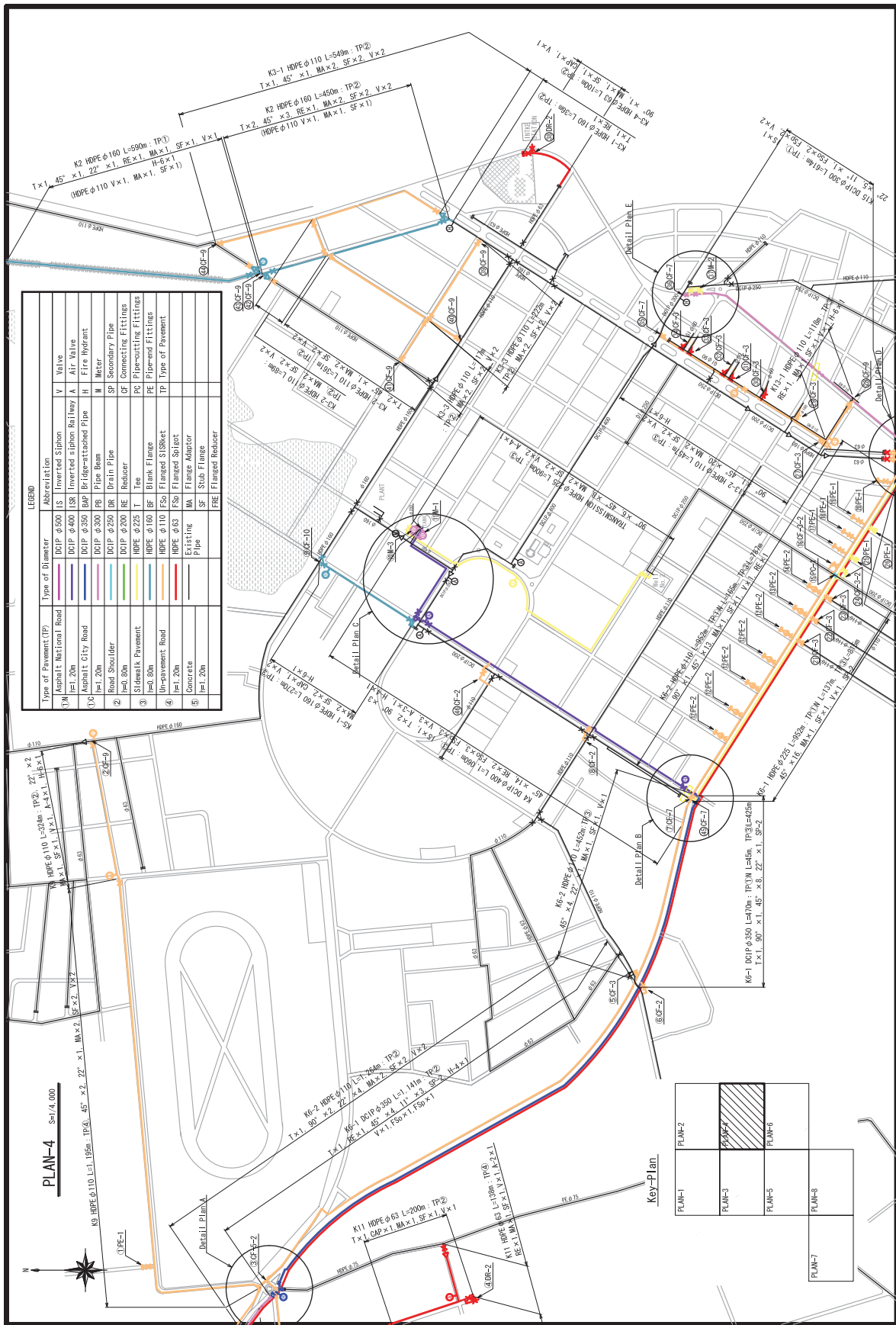
LEGEND

Type of Pavement (TP)	Type of Diameter	Abbreviation
① Asphalt National Road	DCIP φ500	IS Inverted Siphon
② Asphalt City Road	DCIP φ400	ISR Inverted siphon riserway
③ Un-pavement Road	DCIP φ350	EAP Bridge-attached Pipe
	DCIP φ300	EB Pipe Box
	DCIP φ250	DR Drain Pipe
	DCIP φ200	RE Reducer
	HDPE φ225	T Tee
	HDPE φ110	BF Blank Flange
	HDPE φ63	FSo Flanged Sisket
	Existing Pipe	FSp Flange Spigot
		MA Flange Adaptor
		SF Stub Flange
		FRE Flanged Reducer



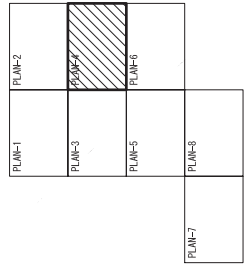
コンボンチャム送配水管路敷設詳細図 (3)  
Plan (3) for Transmission and Distribution Pipeline, Kampong Cham

K-D4



**LEGEND**

Type of Diameter	Abbreviation	Type of Pavement (TP)	Abbreviation
DCIP φ300	IS	Asphalt National Road	Inverted Siphon
DCIP φ400	ISR	Asphalt 20m	Inverted siphon Railway A
DCIP φ350	BAP	Asphalt City Road	Bridge-attached Pipe
DCIP φ300	FB	Asphalt 20m	Pipe Beam
DCIP φ250	DR	Road Shoulder	Drain Pipe
DCIP φ200	RE	Shoulder Pavement	Reducer
DCIP φ150	T	Urbanment Road	Tee
DCIP φ100	SE	Concrete	Blank Flange
DCIP φ75	FS	Concrete	Flanged Socket
DCIP φ50	FS	Concrete	Flanged Socket
DCIP φ30	MA	Concrete	Flange Mapcor
DCIP φ20	SF	Concrete	Stub Flange
DCIP φ15	FR	Concrete	Flanged Reducer



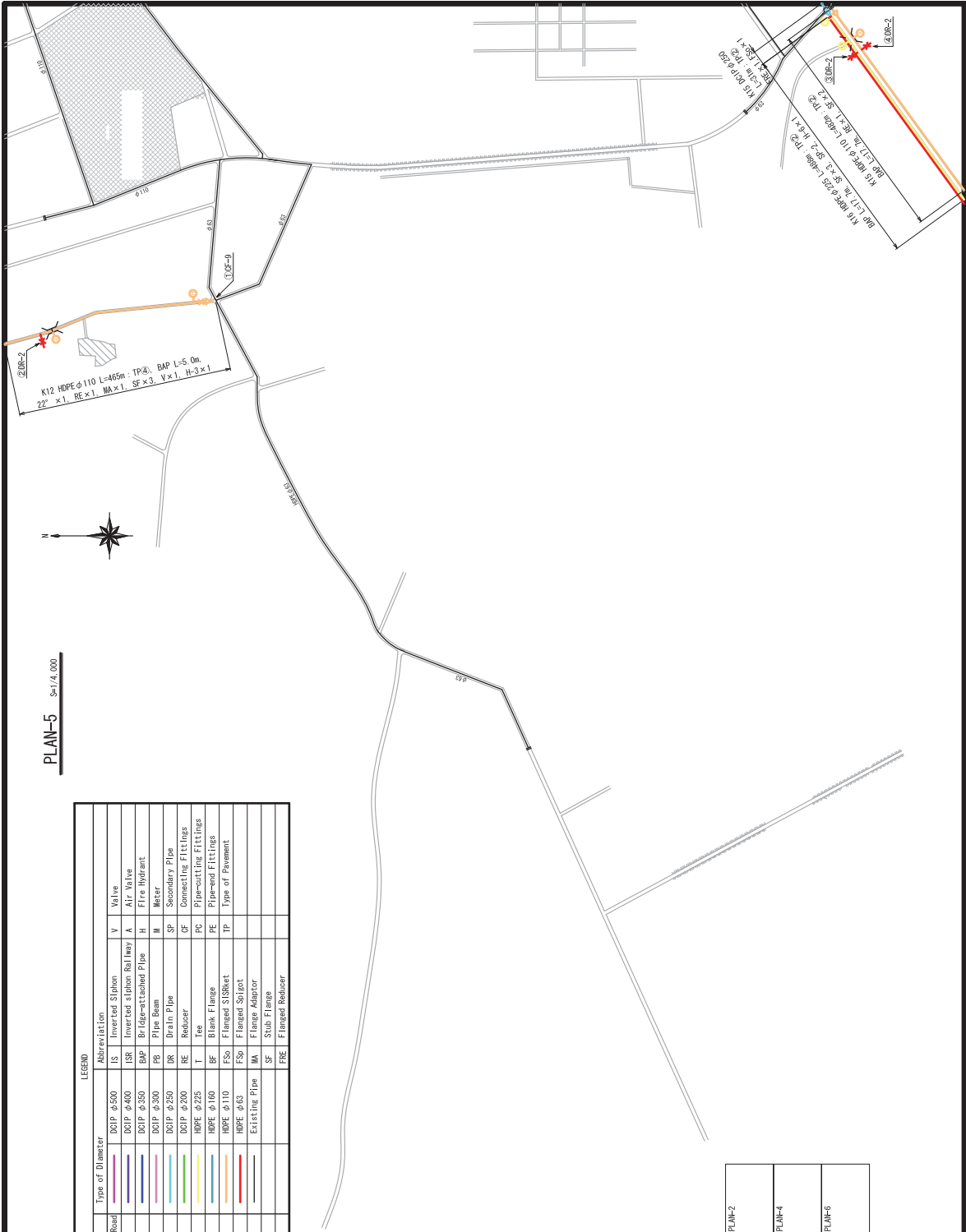
コンポンチャム送配水管路設計詳細図 (4)  
Plan (4) for Transmission and Distribution Pipeline, Kampong Cham

K-D5

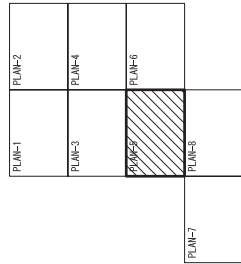


PLAN-5  
Scale: 1/4,000

LEGEND	
Type of Pavement (TP)	Type of Diameter
① Asphalt National Road 1st, 20m	BCIP φ500
② Asphalt City Road 1st, 20m	BCIP φ400
③ Road Shoulder 1st, 80m	BCIP φ350
④ Strengthen Pavement 1st, 20m	BCIP φ300
⑤ Unpaved Road 1st, 20m	BCIP φ250
⑥ Concrete 1st, 20m	BCIP φ200
	HDPE φ225
	HDPE φ180
	HDPE φ110
	HDPE φ85
	Existing Pipe
	Valve
	Blank Flange
	Fanged Subport
	Fanged Adapter
	Stub Flange
	Fanged Reducer



Key-Plan



コンポンチャム送配水管路敷設詳細図 (5)

Plan (5) for Transmission and Distribution Pipeline, Kampong Cham

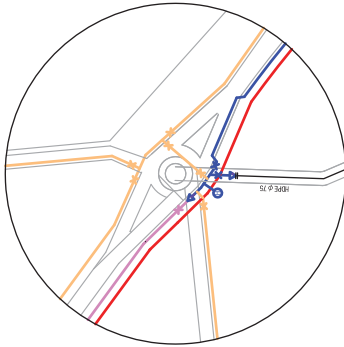
K-D6



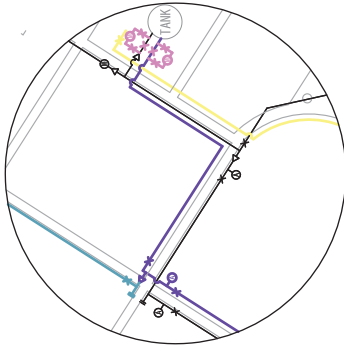
PLAN-7  
Scale: 1/4,000



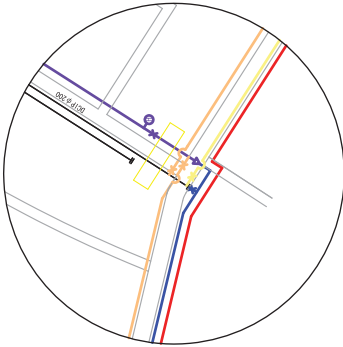
Detail Plan A



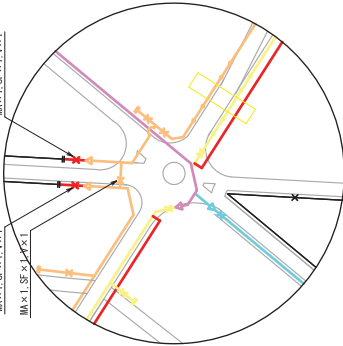
Detail Plan C



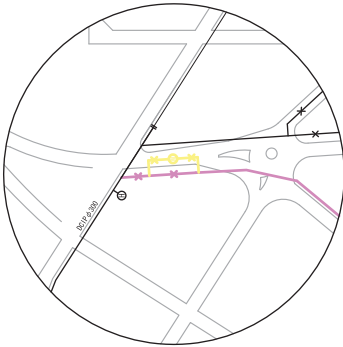
Detail Plan B



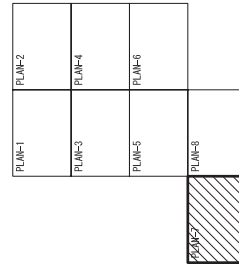
Detail Plan D



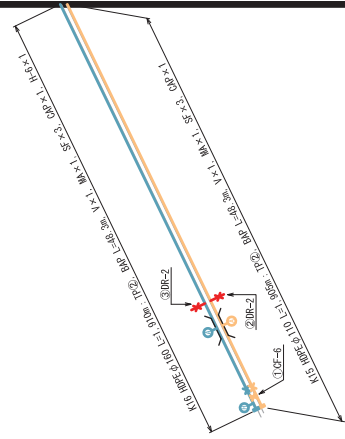
Detail Plan E

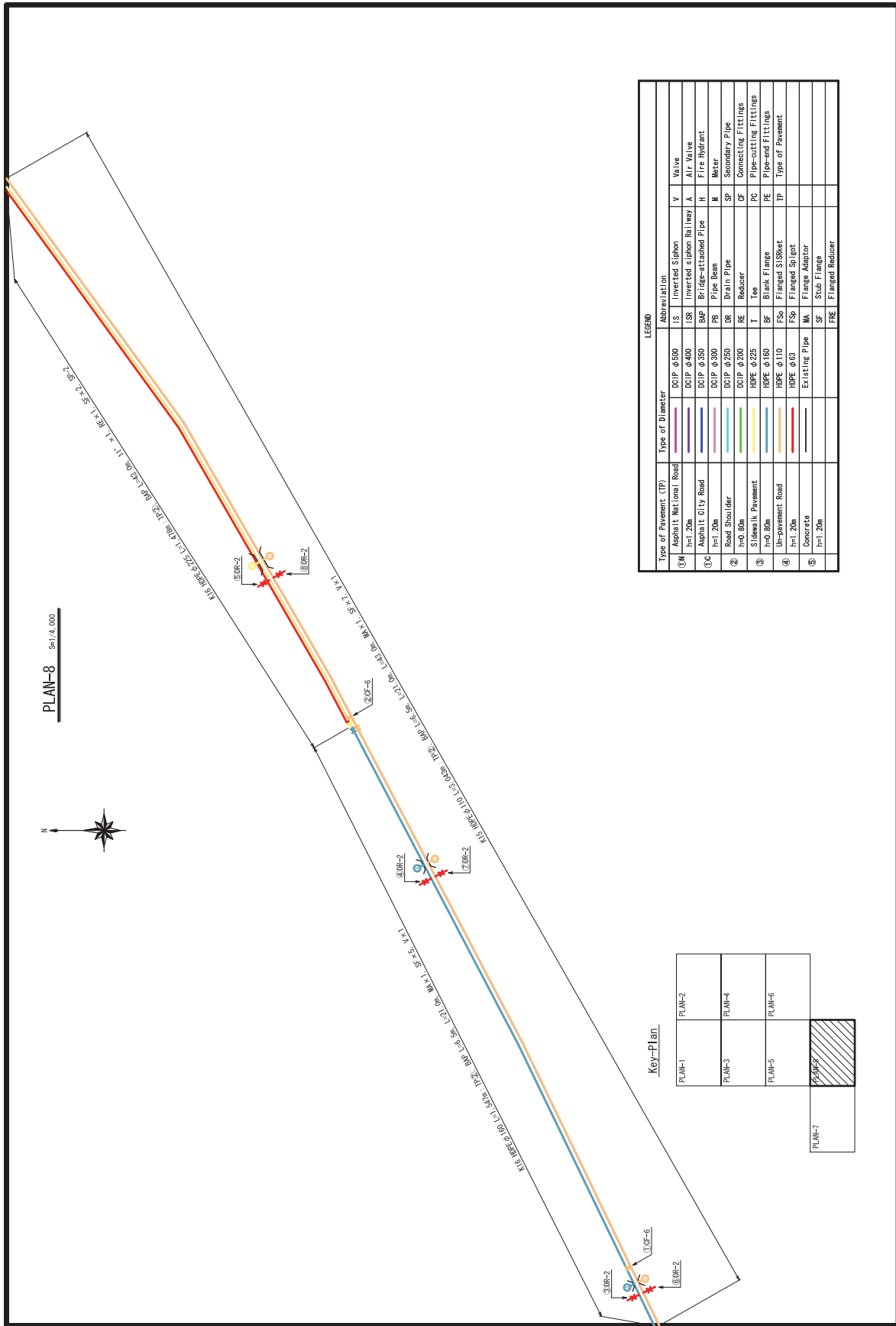


Key-Plan



Type of Pavement (TP)		Type of Diameter		LEGEND		Abbreviation	
①M	Asphalt National Road H=1.20m	DCIP φ500	IS	Inverted Siphon	V	Valve	
		DCIP φ400	ISR	Inverted siphon No liney	A	Air Valve	
①C	Asphalt City Road H=1.20m	DCIP φ350	BAP	Bridge-attached Pipe	R	Fire Hydrant	
		DCIP φ300	FB	Pipe Beam	M	Meter	
②	Road Shoulder H=0.20m	DCIP φ250	DR	Drain Pipe	SP	Secondary Pipe	
		DCIP φ200	RE	Reducer	CF	Connecting Fittings	
③	Sidewalk Pavement H=0.20m	HPPE φ225	T	Tee	PC	Pipe-cutting Fittings	
		HPPE φ160	BF	Blank Flange	PE	Pipe-end Fittings	
④	Un-pavement Road H=1.20m	HPPE φ110	FSa	Flanged Socket	TP	Type of Pavement	
		HPPE φ83	FSb	Flanged Socket			
⑤	Concrete H=1.20m	EXISTING PIPE	MA	Flange Adaptor			
			SF	Stub Flange			
			PRE	Flanged Reducer			





PLAN-8 S=1/4,000

LEGEND

Type of Pavement (TP)	Type of Diameter	Abbreviation
0M Asphalt National Road	DCIP φ500	IS Inverted Siphon
	DCIP φ400	ISR Inverted siphon Risiley
	DCIP φ350	BAP Bridge-attached Pipe
0C Asphalt City Road	DCIP φ300	RB Pipe Beam
	DCIP φ250	DR Drain Pipe
02 Road Shoulder	DCIP φ200	RE Reducer
	DCIP φ150	T Tee
03 Sidewalk Pavement	HPPE φ225	PC Pipe-cutting Fittings
	HPPE φ180	BF Blank Flange
	HPPE φ110	FSa Flanged S/SKnot
04 Un-pavement Road	HPPE φ83	FSb Flanged S/SKnot
	Existing Pipe	MA Flange Adaptor
		SF Stud Flange
		FR Flanged Reducer

Key-Plan

PLAN-1	PLAN-2
PLAN-3	PLAN-4
PLAN-5	PLAN-6
PLAN-7	PLAN-8