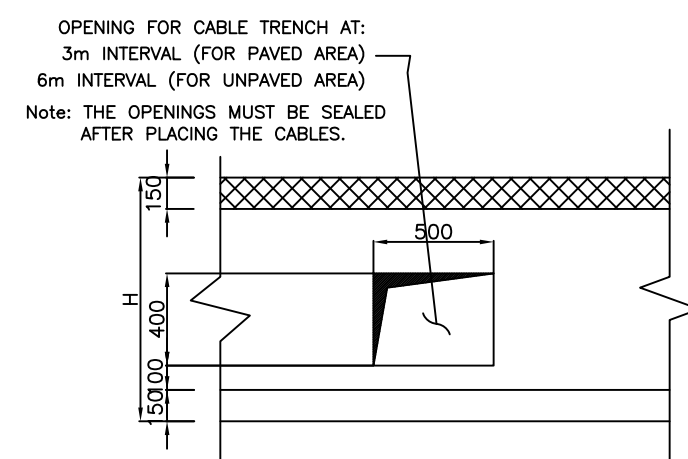
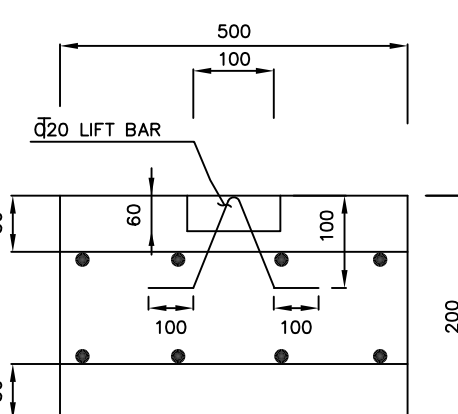
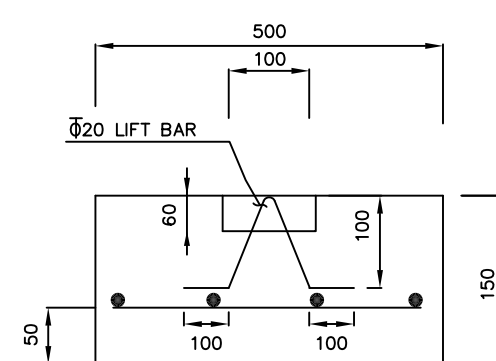
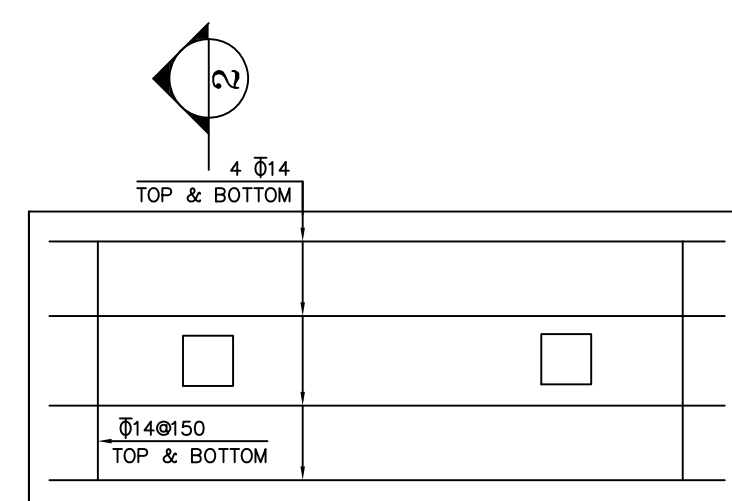
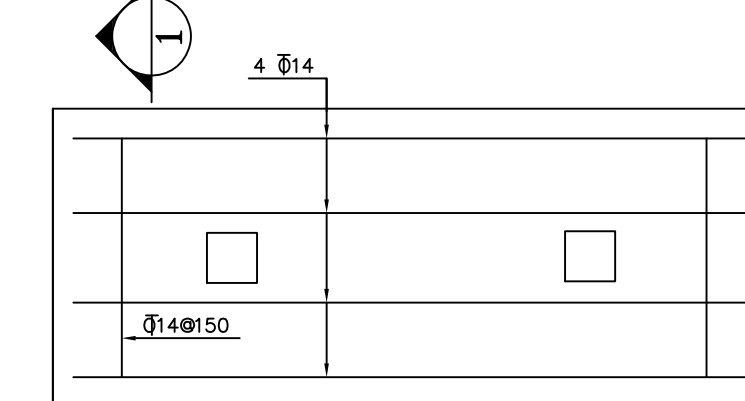
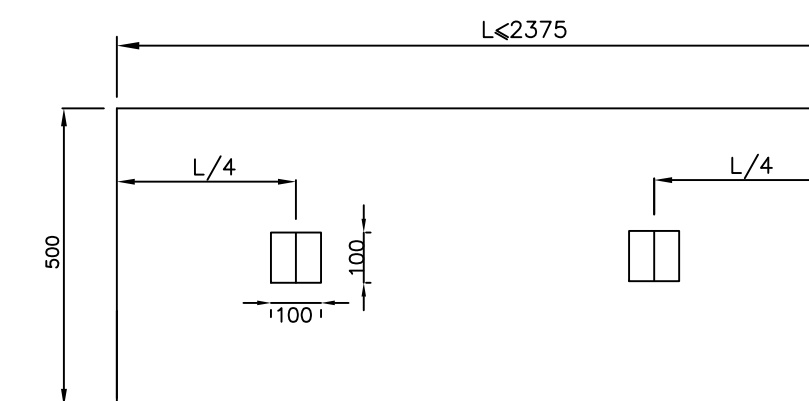
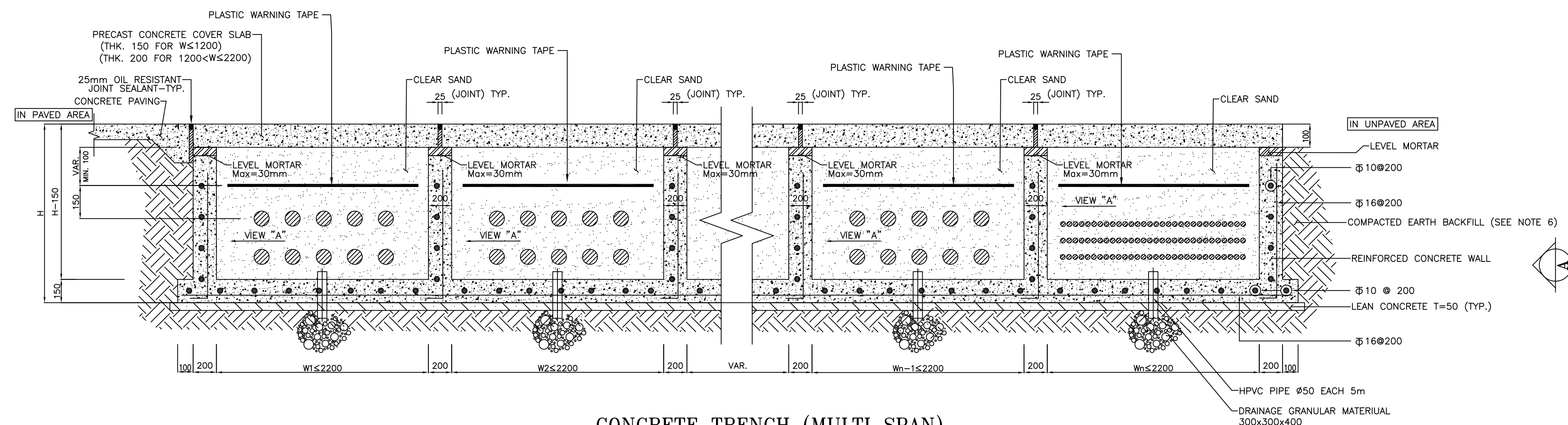
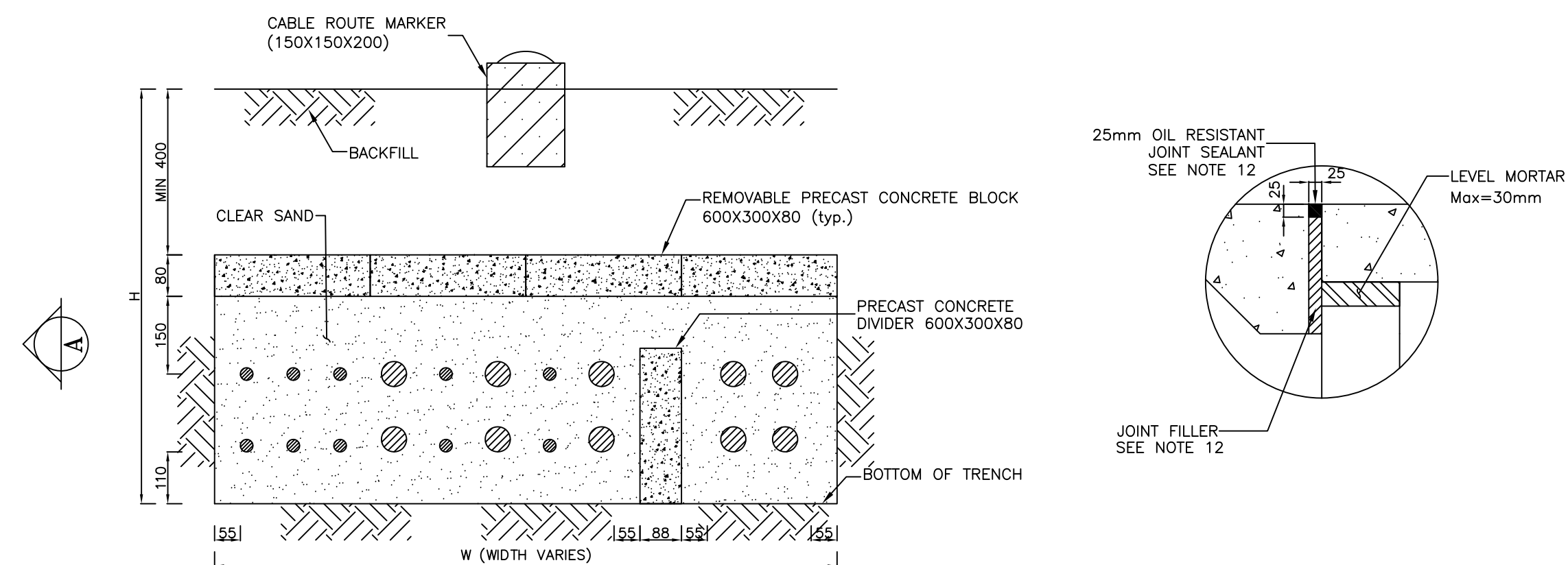
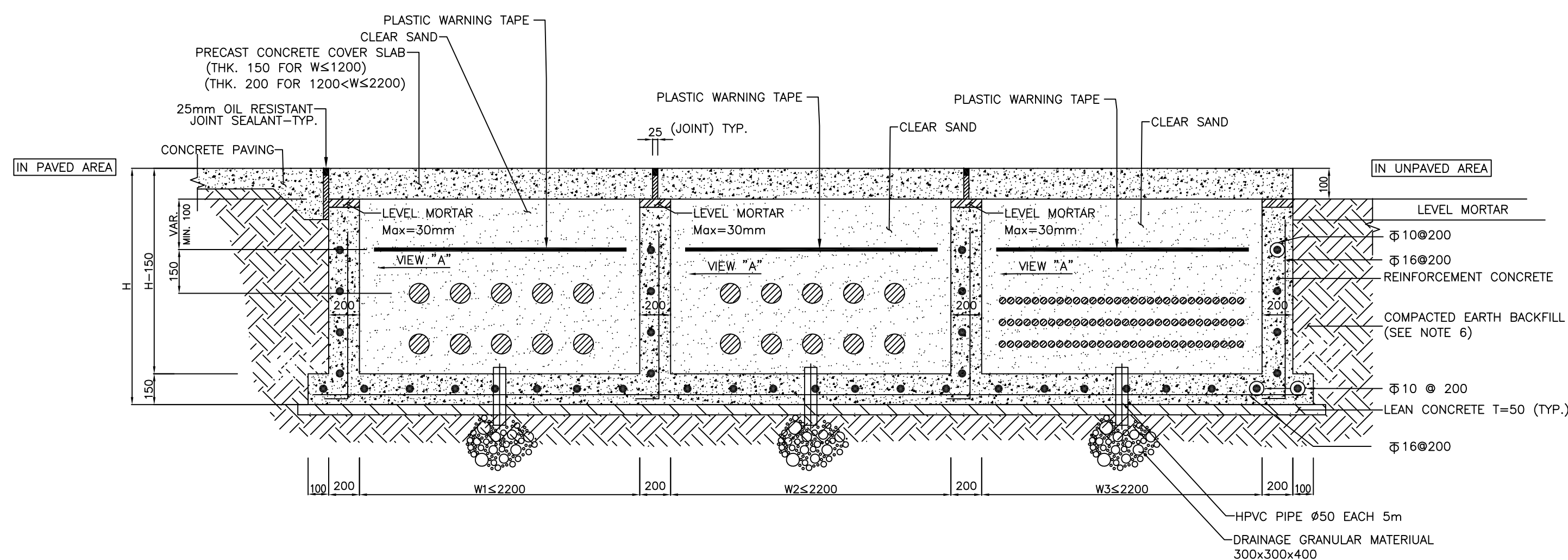
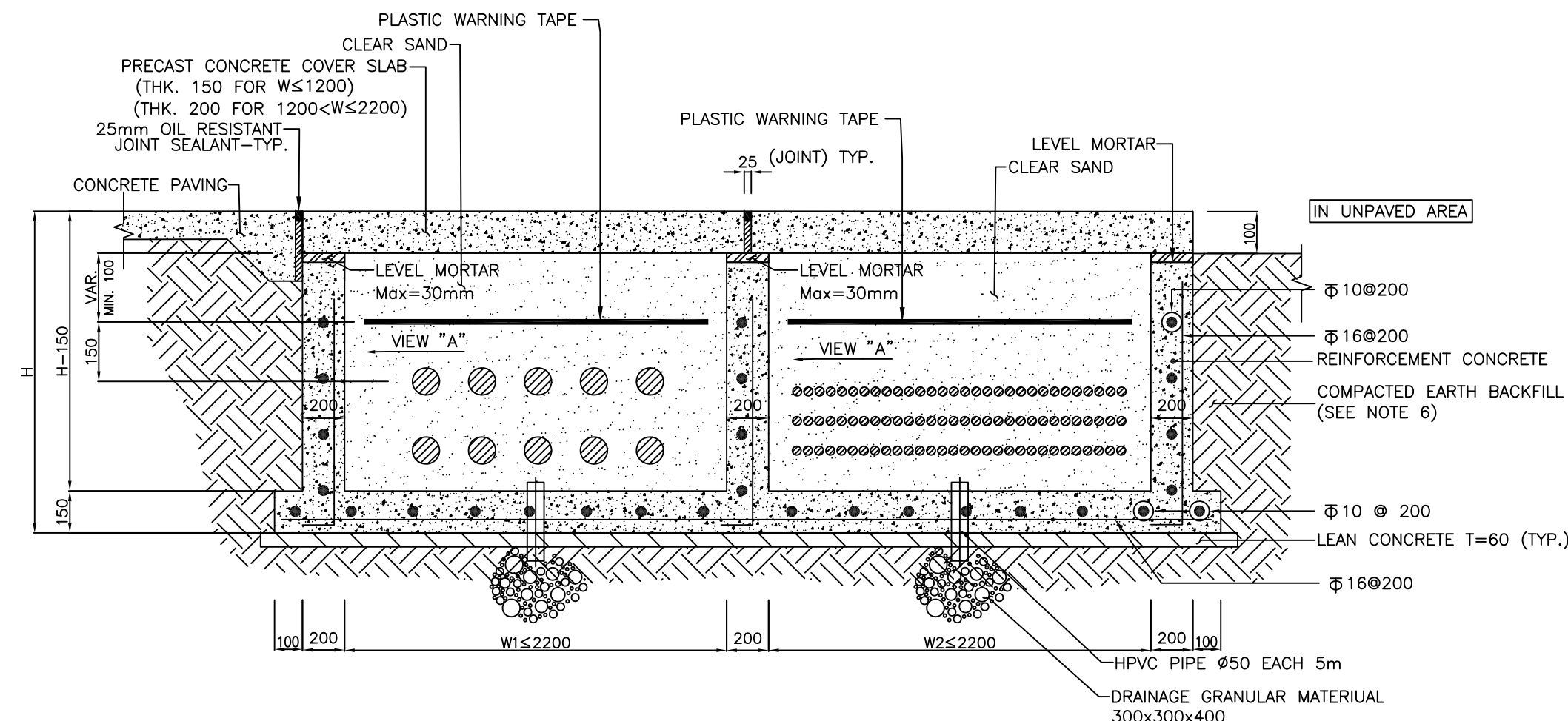
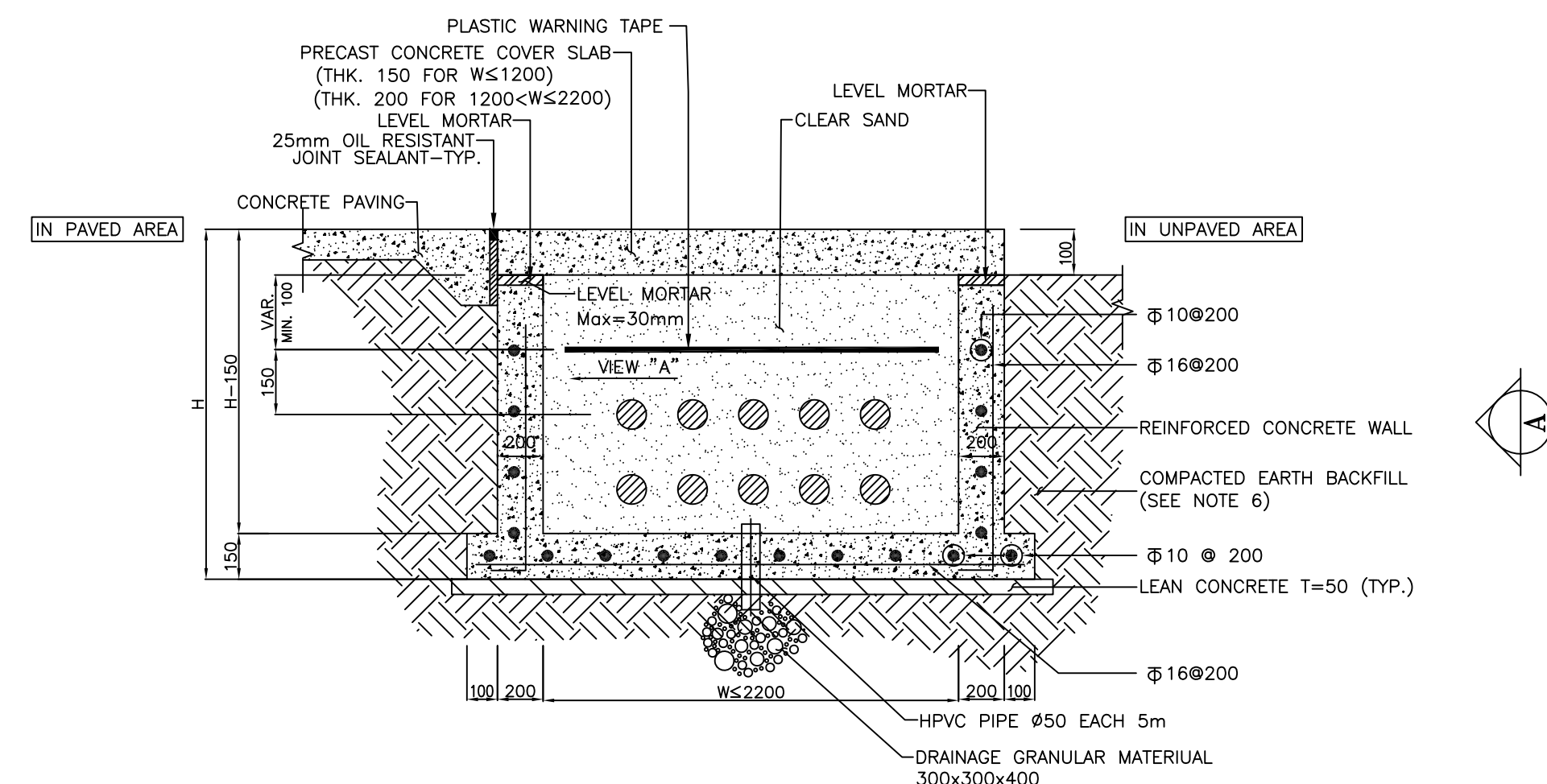
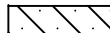
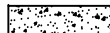
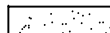




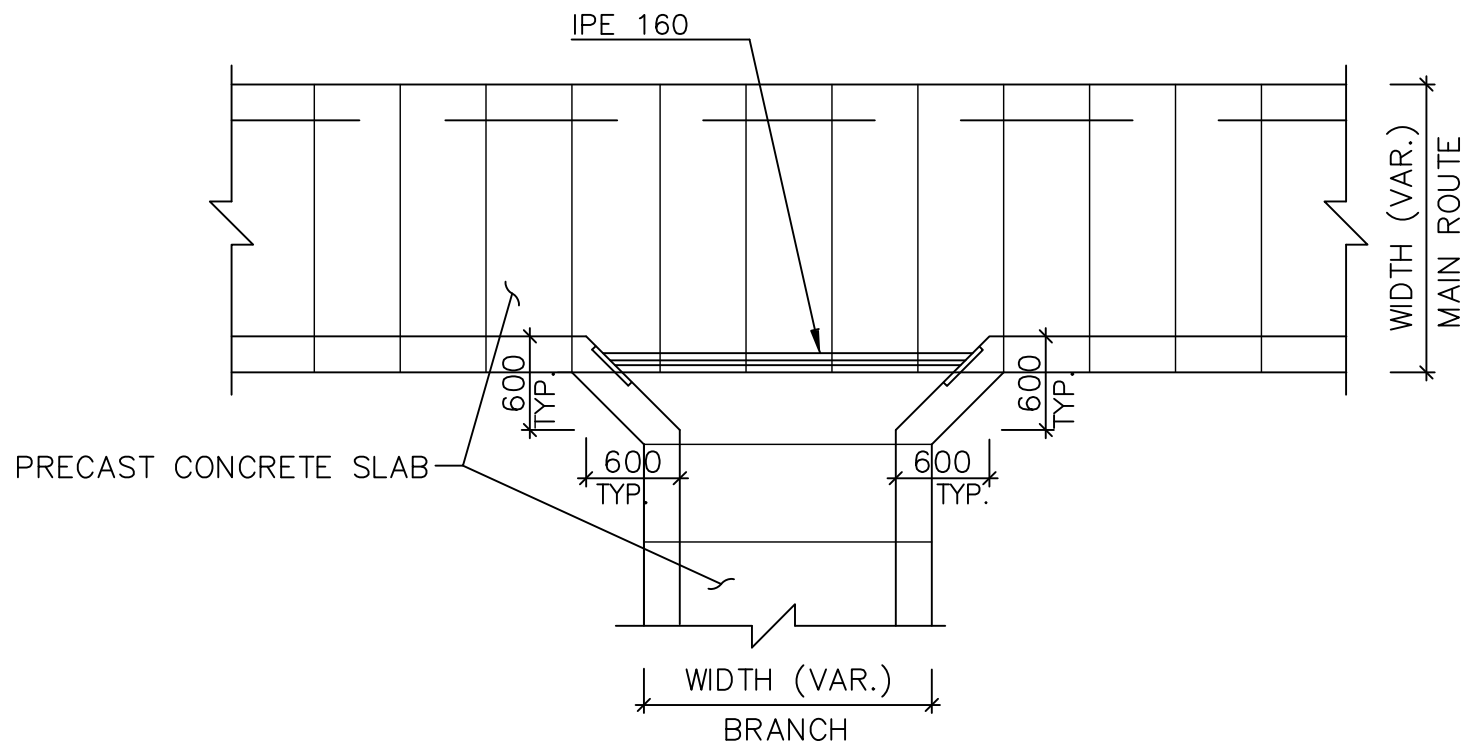
1. ALL DIMENSIONS, COORDINATES & ELEVATIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
2. THE CONTRACTOR SHOULD CHECK AND VERIFY COORDINATES, DIMENSIONS AND ELEVATIONS BEFORE COMMENCING ANY WORK.
3. 28 DAY CHARACTERISTIC COMPRESSIVE STRENGTH OF MAIN CONCRETE IS 250 Kg/cm².
4. 28 DAY CHARACTERISTIC COMPRESSIVE STRENGTH OF LEAN CONCRETE IS 150 Kg/cm².
5. BACKFILL SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY IN LAYERS NOT EXCEEDING 200mm.
6. TYPE II CEMENT SHALL BE USED UNLESS OTHERWISE INDICATED IN THE GEOTECHNICAL SITE REPORT.
7. TOP OF TRENCHES IN CONCRETE PAVING AREA TO BE FLUSHED WITH PAVING ELEVATION.
8. REINFORCING BARS SHALL BE S400 ACCORDING TO: ISIRI3132 AND INBC9 WITH MINIMUM TENSILE YIELD STRENGTH 400 N/mm²
9. FOR "W" & "H" PARAMETERS, SEE CABLE TRENCH LAYOUT.
10. FOR ELECTRICAL & INSTRUMENT CABLE TRENCH CROSSING WITH ROAD SEE SHEET 3/5.
11. UNDERGROUND CONCRETE SHALL BE PROTECTED AND COATED ACCORDING TO DOC."BK-GNRL-PEDCO-000-CV-DW-0040".
12. JOINT FILLER SHALL BE ELASTIC MATERIAL.
POLY ETHYLENE SHEETS OR CORK PARTICLES OR EQUIVALENT MATERIALS CAN BE USED
13. JOINT SEALANTS SHALL BE FOLLOWED ASTM D2499.
14. ALL THE OPENING MUST BE SEALED AFTER PLACING THE CABLES.
15. POWER CABLES SHOULD BE RUN UNDER INSTRUMENT CABLES.

LEGEND	
	LEAN CONCRETE
	MAIN CONCRETE
	FINE SAND
	LOCALLY EXCAVATED/NATURAL GROUND
T.O.G TOP OF GROUND T.O.D TOP OF DUCT BANK T.O.S TOP OF SLAB B.C. BOTTOM CHANNEL T THICKNESS TYP. TYPICAL 	
REFERENCE DRAWING	DRG. No.
STANDARD DRAWING FOR CIVIL WORKS	BK-GNRL-PEDCO-000-CV-DW-0001
CONCRETE CABLE DUCT BANK (ROAD CROSSING)	IPS-D-EL-209
CABLE ROUTE MARKER & LOCATION	IPS-D-EL-208
CABLE TRENCH	IPS-D-EL-210

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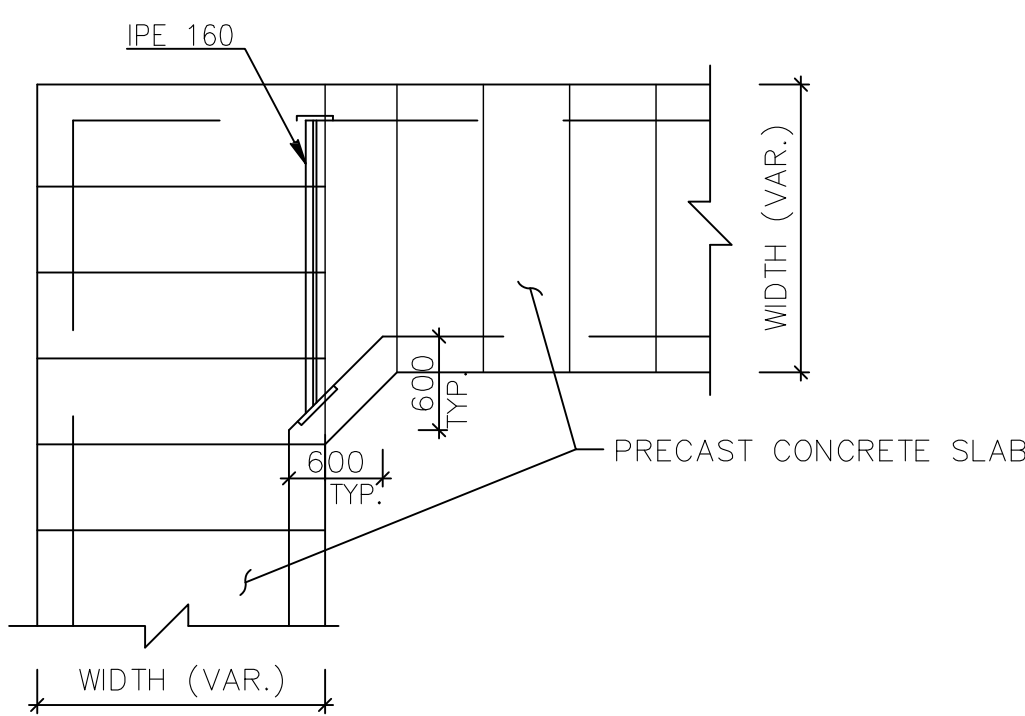
KEY PLAN	

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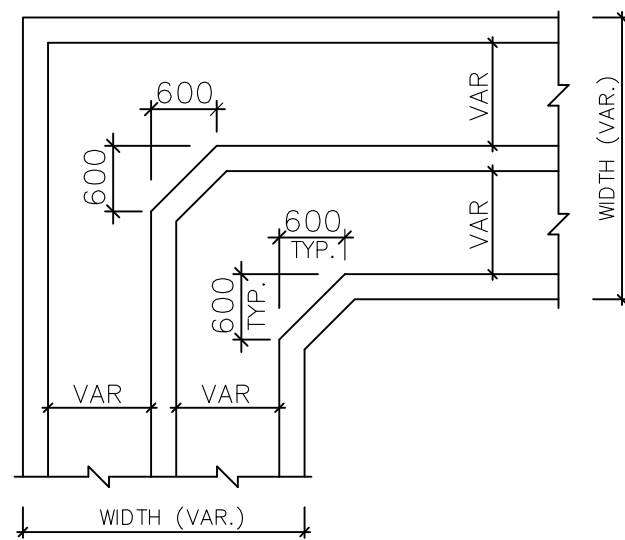
TYPICAL COVER ARRANGEMENT
AT JUNCTION

(FOR SINGLE SPAN CABLE TRENCH)

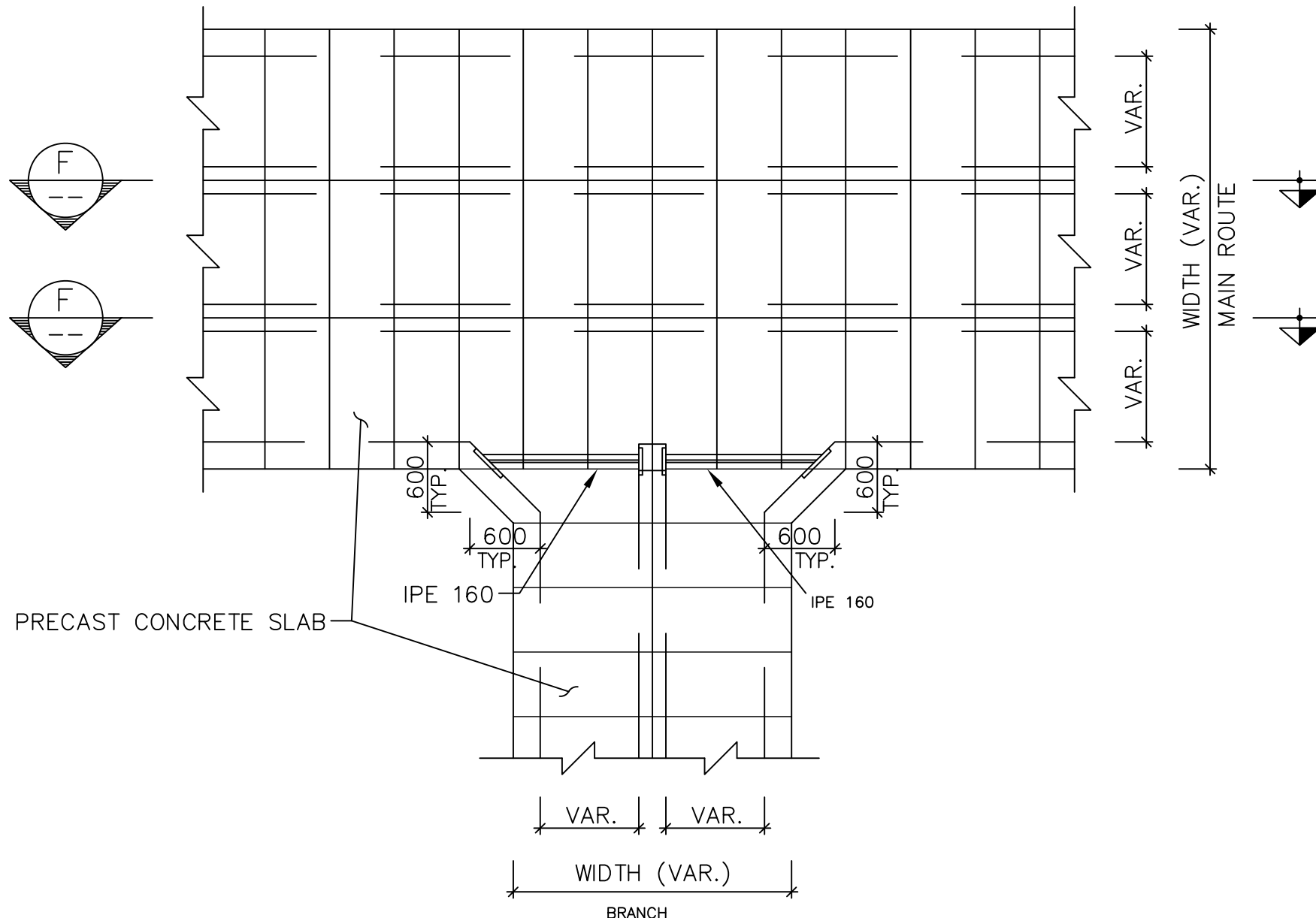


TYPICAL COVER ARRANGEMENT
AT CORNER

(FOR SINGLE SPAN CABLE TRENCH)

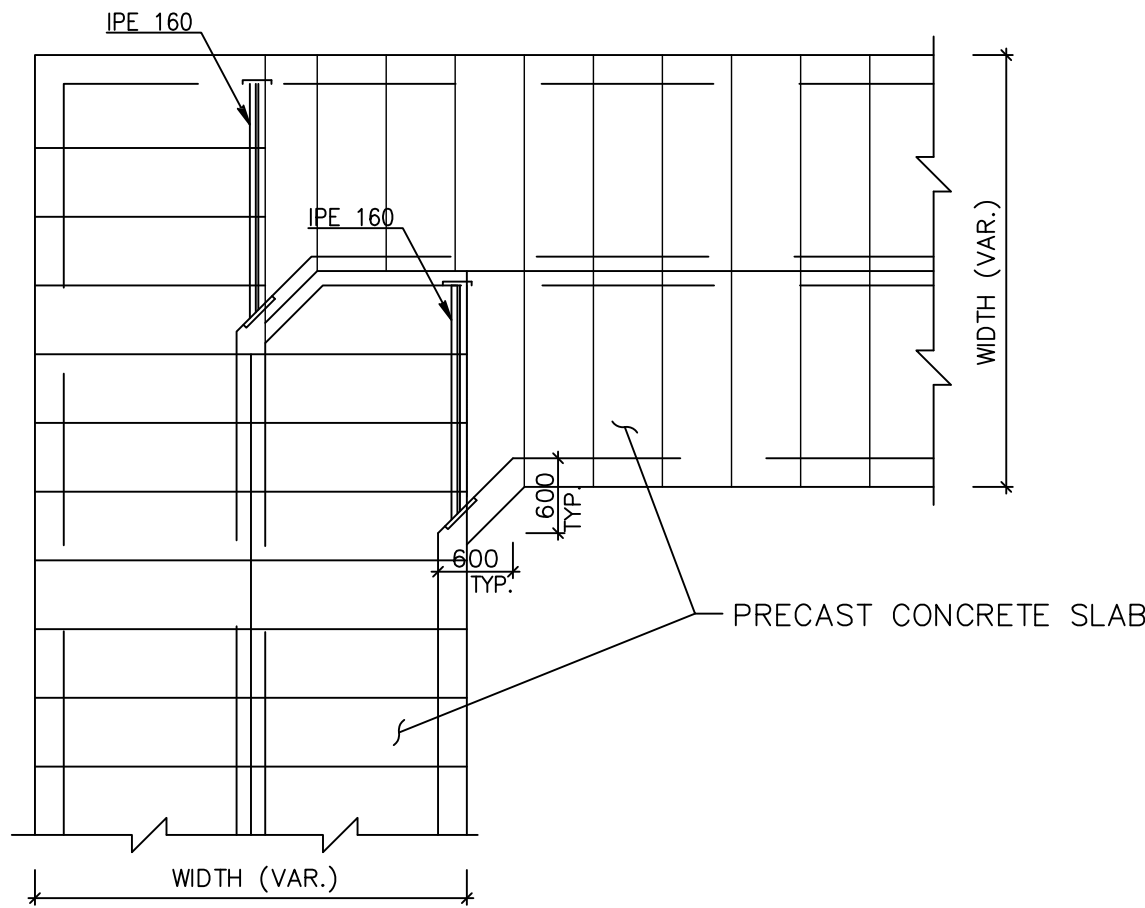


TYPICAL CHAMFER
AT CORNER



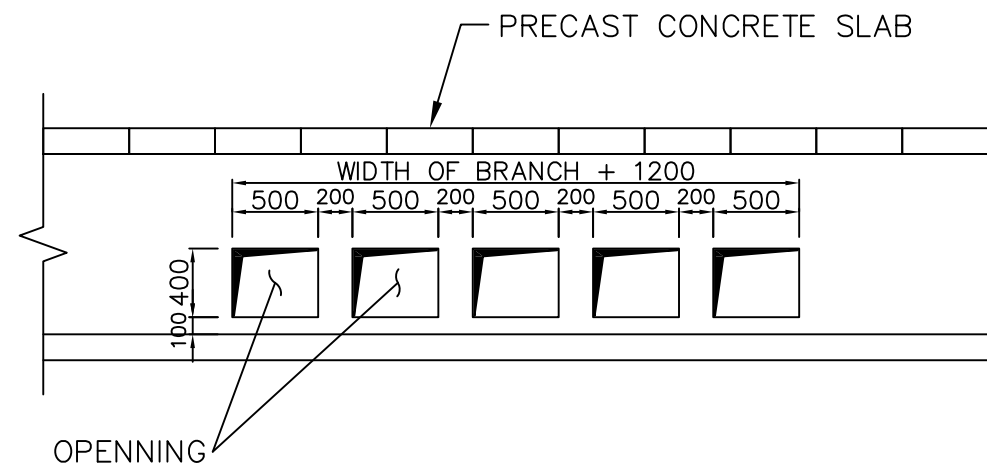
TYPICAL COVER ARRANGEMENT
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(FOR MULTI SPAN CABLE TRENCH)

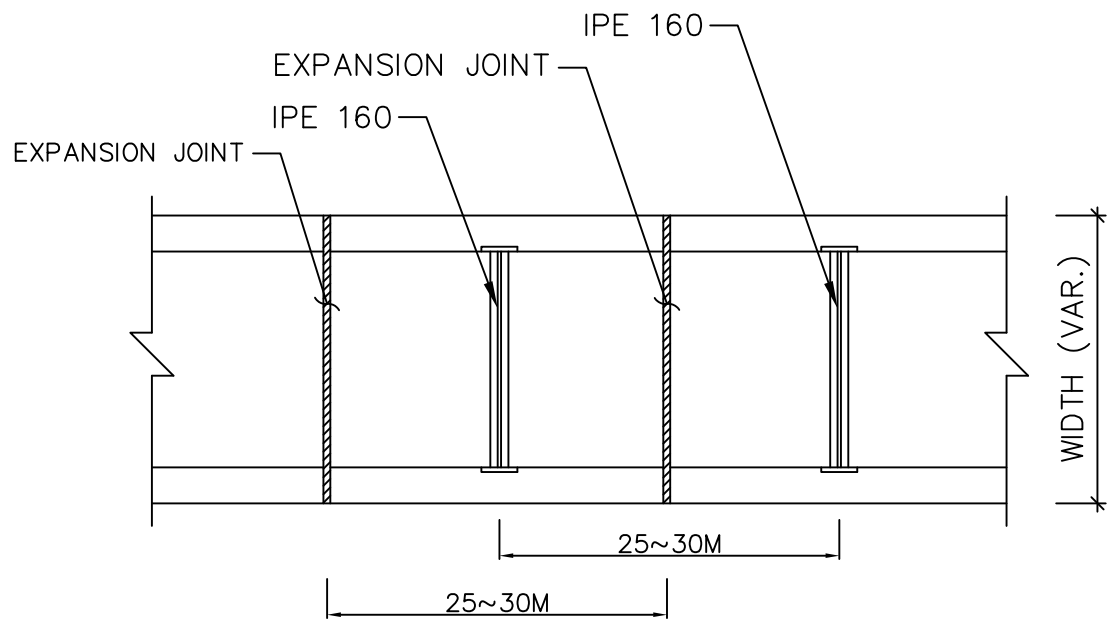


TYPICAL COVER ARRANGEMENT
AT CORNER

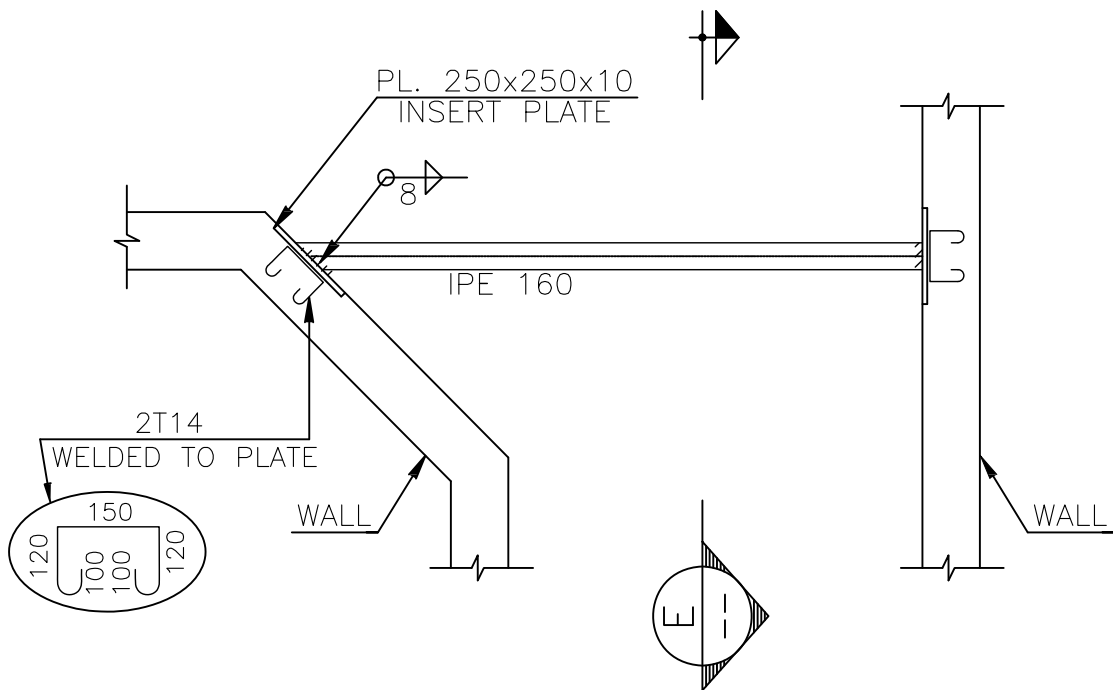
(FOR MULTI SPAN CABLE TRENCH)



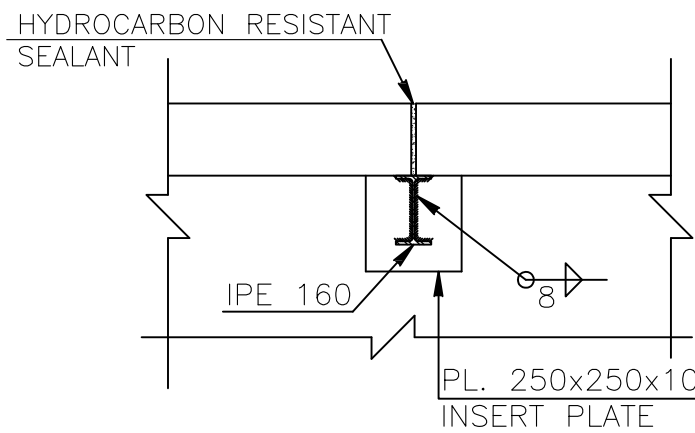
SECTION F



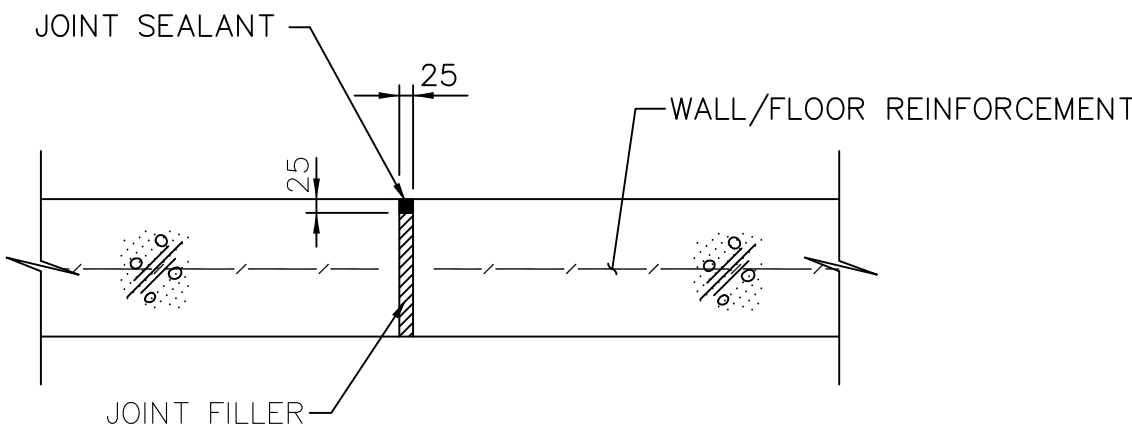
EXPANSION JOINT AND SUPPORT BEAM ARRANGEMENT
(PLAN)



TYPICAL DETAIL OF BEAM
AT CORNER TRENCH



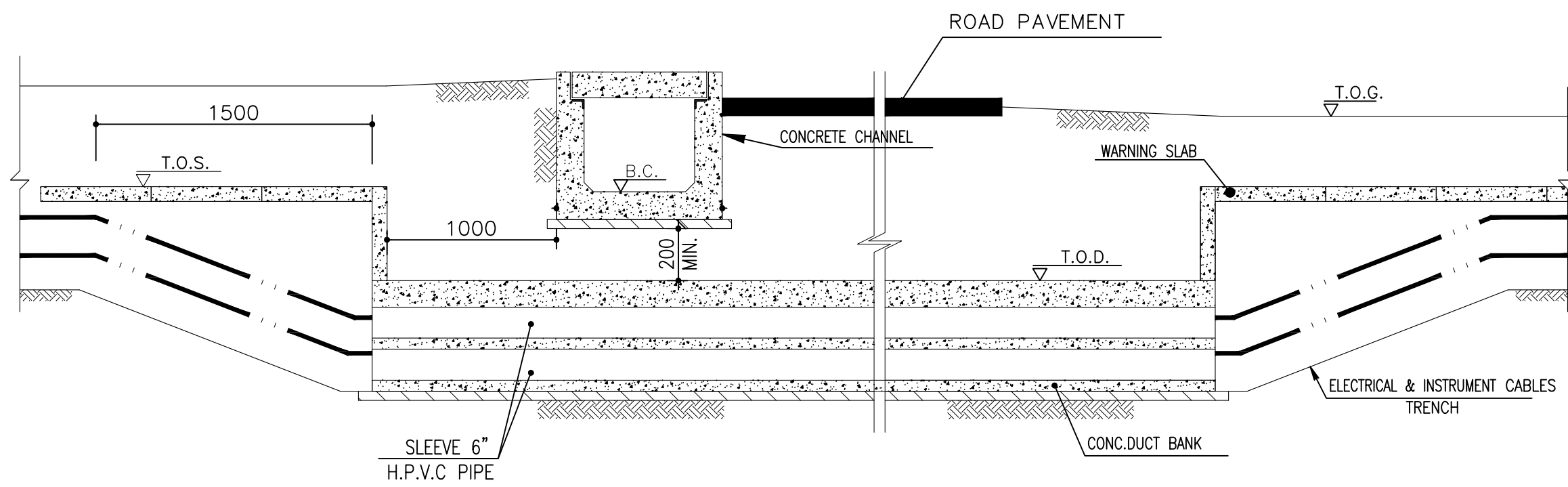
SECTION E



EXPANSION JOINT DETAIL

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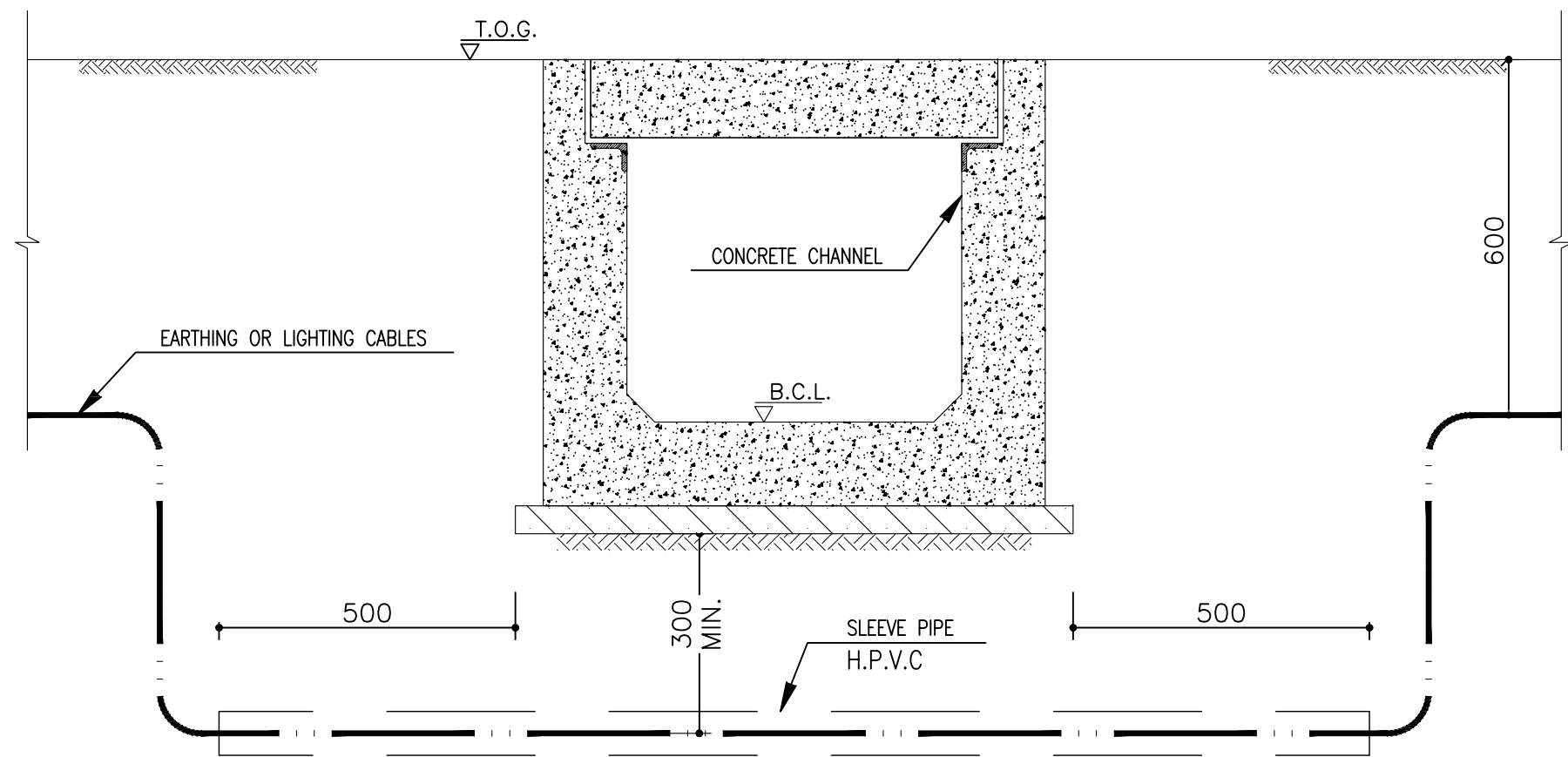
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D03	FEB-2024	AFK	R.BERLOUR	M.FAKHARIAN	S.PARAMARZPOUR																		
D02	MAR.2023	IFA	R.BERLOUR	M.FAKHARIAN	M.MEHRSHAD	***	*****	** **	*** **	** **	*** **												
D01	JAN.2022	IFC	R.BERLOUR	M.FAKHARIAN	SH. GHALKAR																		
D00	AUG.2021	IFI	M.ASGHARINEAD	M.FAKHARIAN	SH. GHALKAR	***	REV.	DESCRIPTION	BY	DATE	BY	DATE											
REV.	DATE	P.O.I.S	PREP.	CHK.	APP.	AUT.			CHECKED		REV. APPR.												
PROJECT NAME:						BINAK OILFIELD DEVELOPMENT GENERAL						 THE ORIGINAL AND ALL COPIES OF THIS DRAWING TOGETHER WITH THE COPYRIGHT THEREIN ARE THE SOLE PROPERTY OF N.I.S.O.C./ FIELDS											
PROJECT NO.:						971020																	
EPC CONTRACTOR:			EPD/EPC CONTRACTOR (GC):			BINAK OILFIELD DEVELOPMENT GENERAL																	
 HIRGAN ENERGY – DESIGN & INSPECTION COMPANIES			 PEDCO			PETROIRAN DEVELOPMENT COMPANY																	
						DATE																	
						SCALE		DRAWING BY		CHECKED BY		PROJECT ENG.											
DRAWING TITLE:						NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED																	
Standard Drawing For Electrical Cable Trench						APPROVED FOR CONSTRUCTION						BY:		DATE:									
SCALE		SIZE		DRAWING NO.		SHEET NO.		REV.		BUDGET REF.		LOCATION		SIZE		CLASS		SERIAL NO.		SHEET		REVISION	
N.T.S		A1		BK–GNRL–PEDCO–000–CV–DW–0004		2 OF 4		D04		053–073–9184		F		4		S		707250		2		D04	



TYPICAL ELECTRICAL & INSTRUMENT CABLES TRENCH INTERSECTION WITH STREET

1
N.T.S.

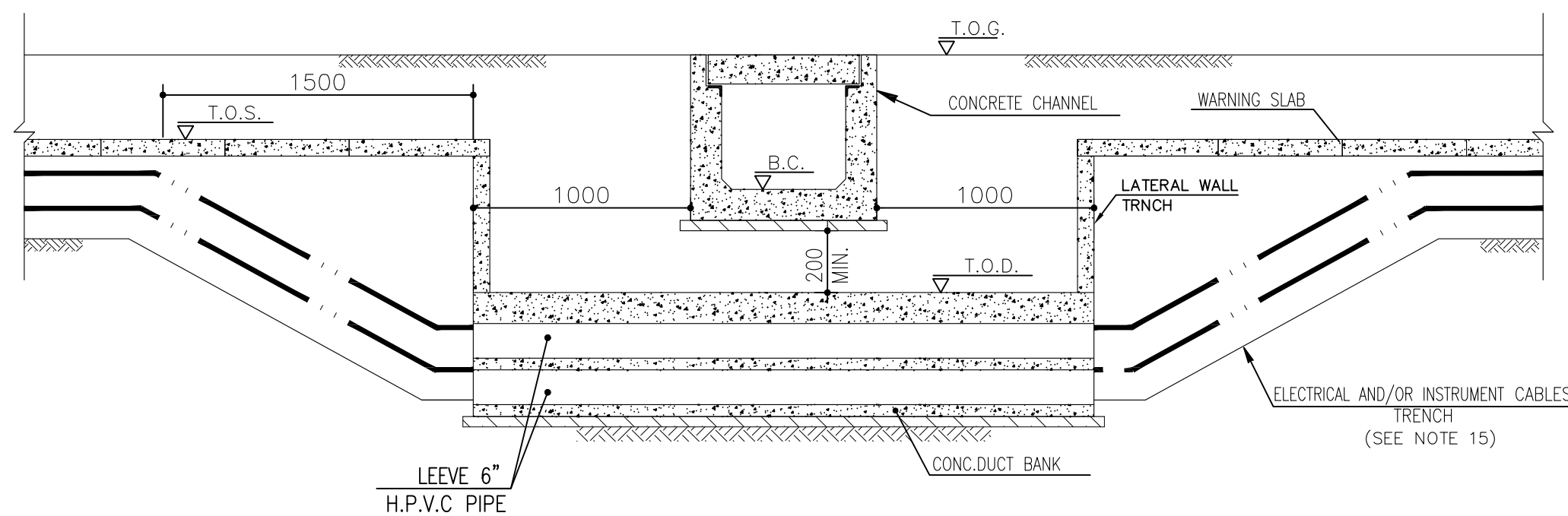
TYPICAL SECTION



TYPICAL LIGHTING AND EARTHING CABLES INTERSECTION WITH CONCRETE CHANNEL

2
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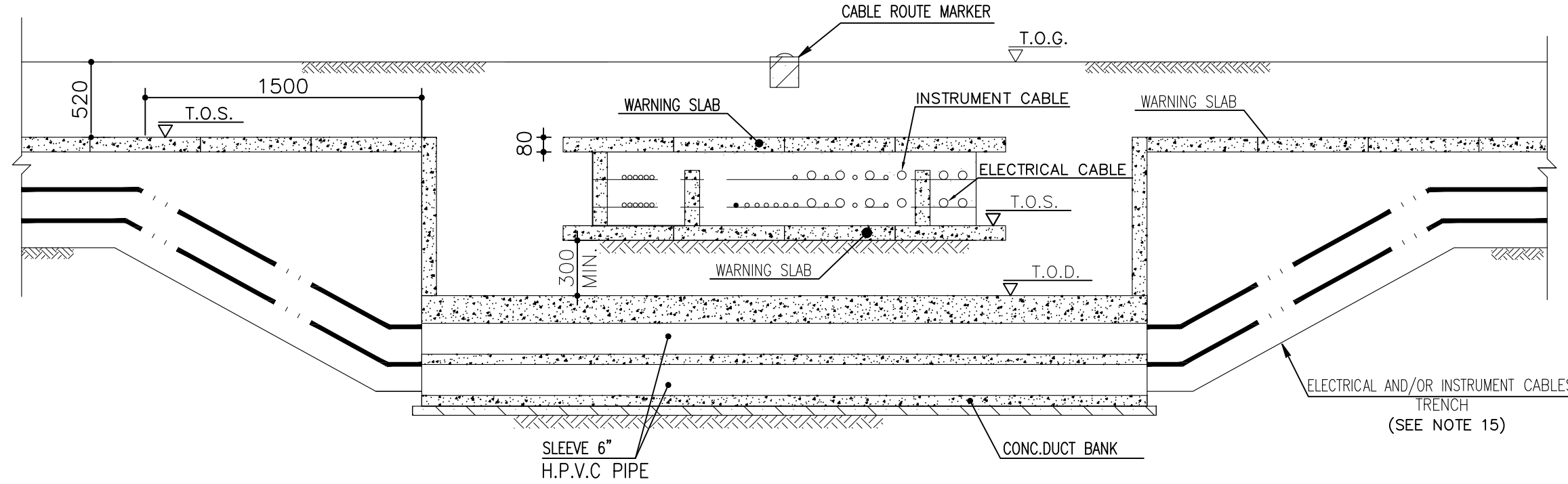
TYPICAL SECTION



TYPICAL ELECTRICAL AND/OR INSTRUMENT EARTH CABLES INTERSECTION WITH CONCRETE CHANNELS

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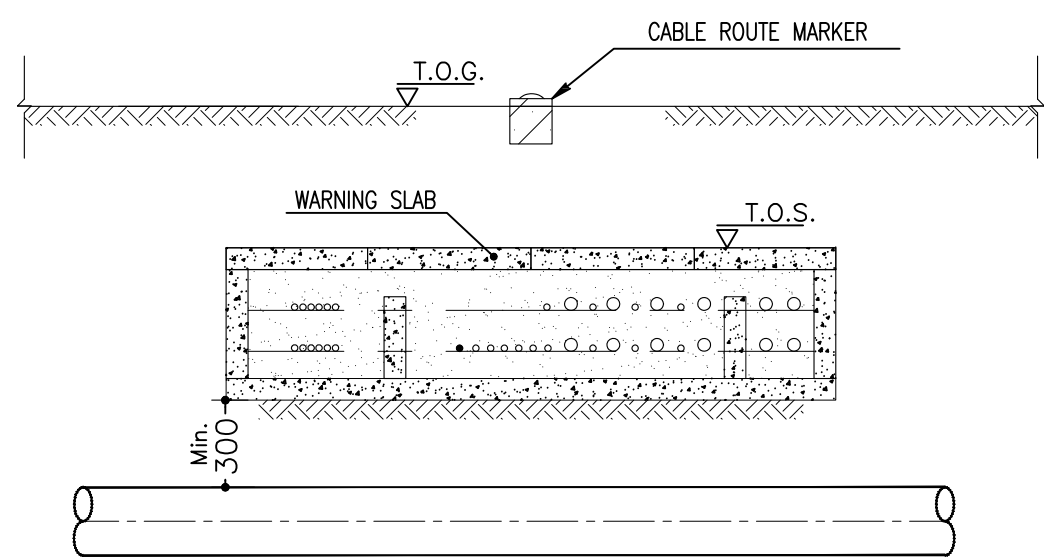
TYPICAL SECTION



TYPICAL ELECTRICAL AND INSTRUMENT CABLES TRENCH INTERSECTION

5
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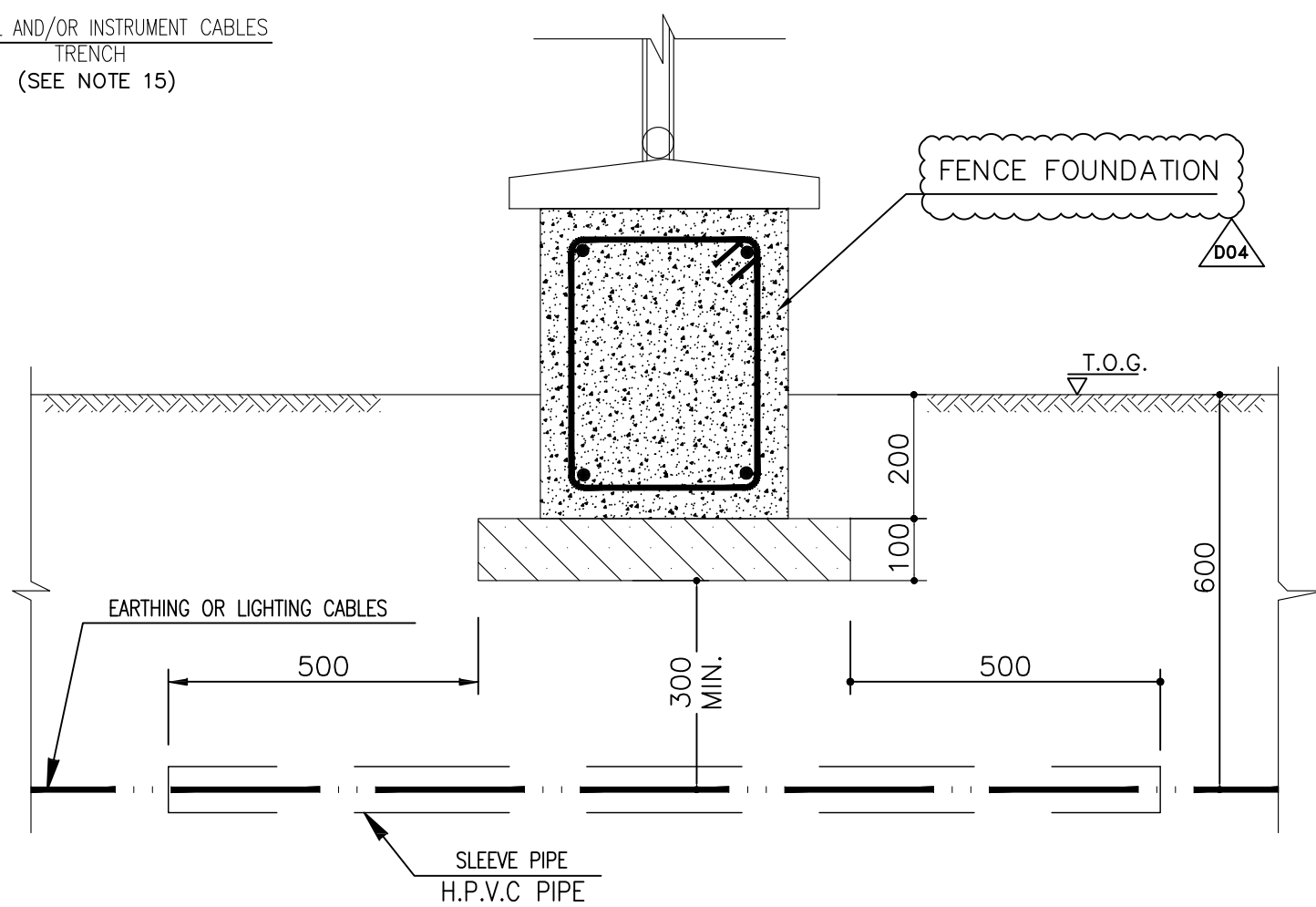
TYPICAL SECTION



TYPICAL ELECTRICAL AND PIPING CABLES TRENCH INTERSECTION

6
N.T.S.

TYPICAL SECTION



TYPICAL LIGHTING AND EARTHING CABLES INTERSECTION WITH FENCE FOUNDATION

7
N.T.S.

TYPICAL SECTION

NOTES

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- POWER CABLES SHOULD BE RUN UNDER INSTRUMENT CABLES.

LEGEND

- LEAN CONCRETE
- MAIN CONCRETE
- FINE SAND
- LOCALLY EXCAVATED/NATURAL GROUND

T.O.G. TOP OF GROUND
T.O.D. TOP OF DUCT BANK
T.O.S. TOP OF SLAB
B.C. BOTTOM CHANNEL
T THICKNESS
TYP. TYPICAL

REFERENCE DRAWING

REFERENCE DRAWING	DRG. No.
STANDARD DRAWING FOR CIVIL WORKS	BK-GNRL-PEDCO-000-CV-DW-0001
CONCRETE CABLE DUCT BANK (ROAD CROSSING)	IPS-D-EL-209
CABLE ROUTE MARKER & LOCATION	IPS-D-EL-208
CABLE TRENCH	IPS-D-EL-210

KEY PLAN

D04	MAR-2024	AFC	R.BERLOUIE	M.PAKHARIAN	S.PARAMARZPOUR	
D03	FEB-2024	AFC	R.BERLOUIE	M.PAKHARIAN	S.PARAMARZPOUR	
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D01	JAN-2022	IPC	R.BERLOUIE	M.PAKHARIAN	SH.GHALIKAR	
D00	AUG-2021	IFI	M.ASHGARINZAD	M.PAKHARIAN	SH.GHALIKAR	***

REV. DATE P.O.I.S PREP. CHK. APP. AUT.

PROJECT NAME: BINAK OILFIELD DEVELOPMENT GENERAL

PROJECT NO.: 971020

EPC CONTRACTOR: HIRGAN ENERGY

EPD/EPC CONTRACTOR (GC): PETROIRAN DEVELOPMENT COMPANY

DRAWING TITLE: Standard Drawing For Electrical Cable Trench

SCALE SIZE DRAWING NO. SHEET NO. REV.

N.T.S. A1 BK-GNRL-PEDCO-000-CV-DW-0004 3 OF 4 D04

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BINAK OILFIELD DEVELOPMENT GENERAL

DATE SCALE DRAWING BY CHECKED BY PROJECT ENG.

NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED

APPROVED FOR CONSTRUCTION BY: DATE:

BUDGET REF. LOCATION SIZE CLASS SERIAL NO. SHEET REVISION

053-073-9184 F 4 S 707250 3 D04

