



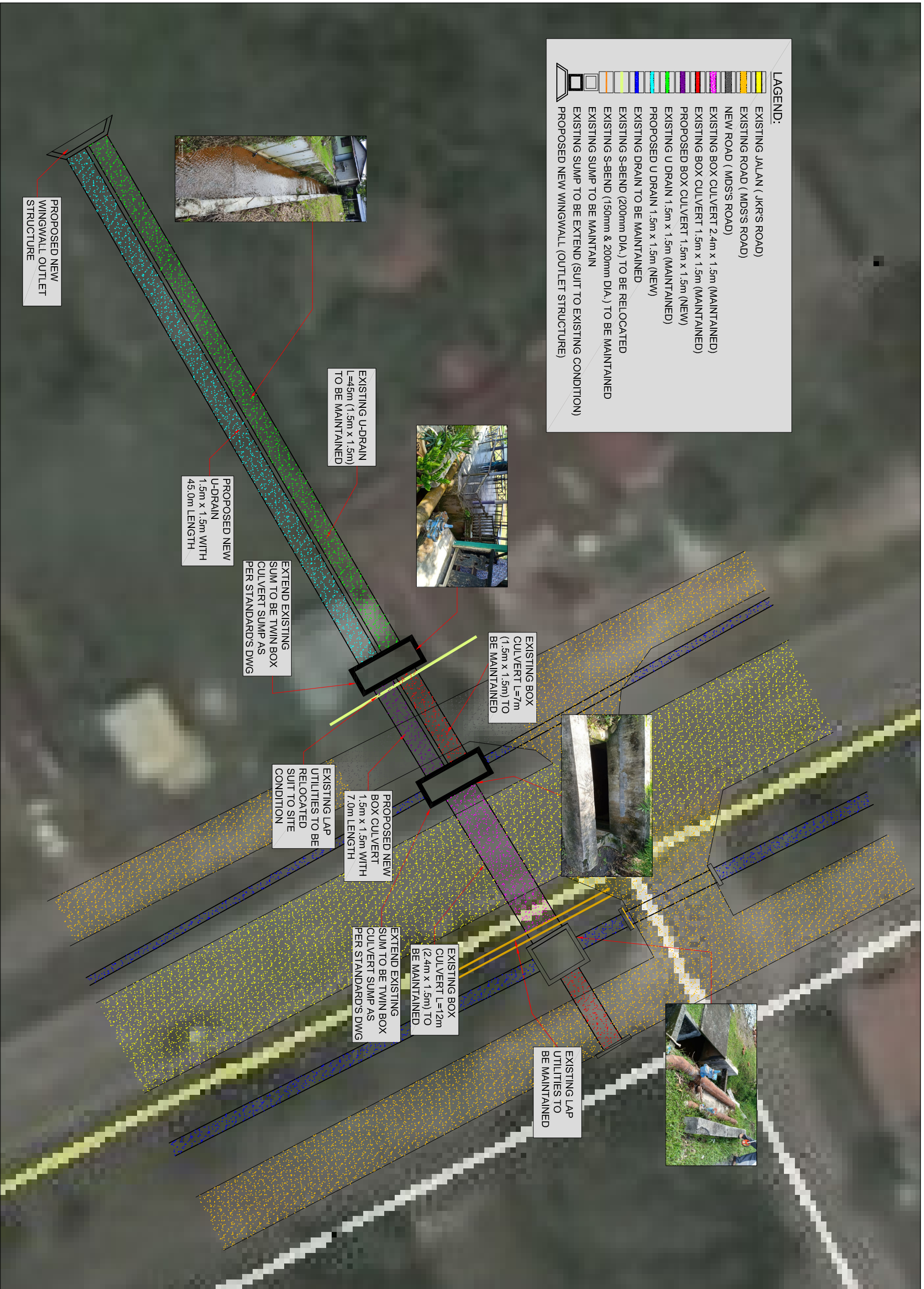
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LUKISAN

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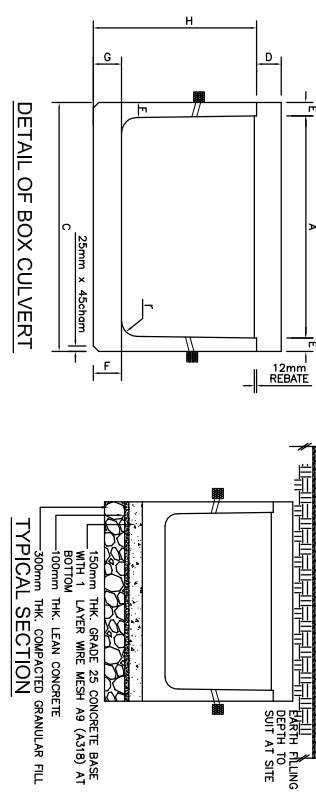
**LAGEND:**

	EXISTING JALAN (JKRS ROAD)
	EXISTING ROAD (MDSR ROAD)
	NEW ROAD (MDSR ROAD)
	EXISTING BOX CULVERT 2.4m x 1.5m (MAINTAINED)
	EXISTING BOX CULVERT 1.5m x 1.5m (MAINTAINED)
	PROPOSED BOX CULVERT 1.5m x 1.5m (NEW)
	EXISTING U DRAIN 1.5m x 1.5m (MAINTAINED)
	PROPOSED U DRAIN 1.5m x 1.5m (NEW)
	EXISTING DRAIN TO BE MAINTAINED
	EXISTING S-BEND (200mm DIA.) TO BE RELOCATED
	EXISTING S-BEND (150mm & 200mm DIA.) TO BE MAINTAINED
	EXISTING SUMP TO BE MAINTAIN
	EXISTING SUMP TO BE EXTEND (SUIT TO EXISTING CONDITION)
	PROPOSED NEW WINGWALL (OUTLET STRUCTURE)



TARIKH:	BUTIRAN:	KUJUKAN:	UKURAN:	KONTRAKTOR:	JURUKUR BERLESEN:	PERUNDING:	TAMBA TANGAN JURUTERA:	MALIS DAERAH SELAMA:	MALIS DAERAH SELAMA:	TARIKH : MAC 2020	NO. LUMBSAN : HRS / 0921 / RND / 01	REHELMAN:
			NTS			 <b>PERUNDING HRS Sdn Bhd</b> PERUNDING KEJURUTERAAN AWAM & STRUKTUR NO. 421 & 422, JALAN AMPANG JAYA 1, 31300 BENTONG, PERAK DARUL IDZUAN TEL: 0523183761 & 0523183460 FAKS 0523183762 OPERATOR: NORA RAMAWATI DILUBUKAN: I. RAJUAN	 <b>I. MOHD SHUKRI BIN YUSOF</b>			TAJUK PROJEK : MASALAH BANJIR DI TAMAN MERDEKA (JALAN TAMAN MERDEKA - SUNGAI DENDANG) TAJUK LUMBSAN : LAYOUT PLAN PROPOSED PRECAST TWIN NEW BOX CULVERT		

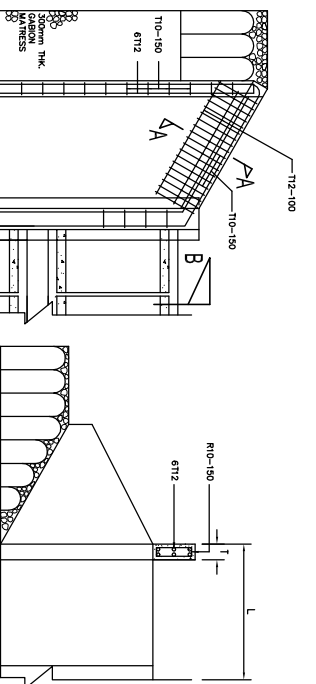
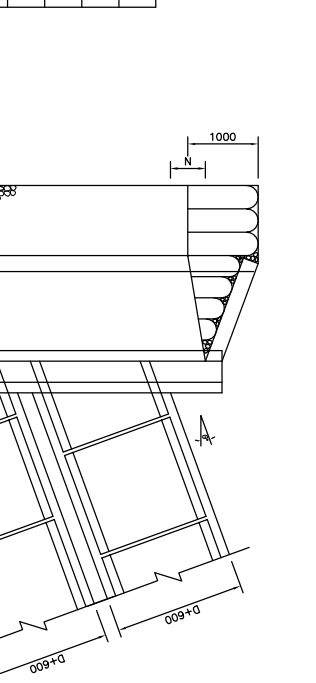
CARRIAGEWAY



SCHEDULE OF STANDARD PRECAST R.C BOX CULVERTS

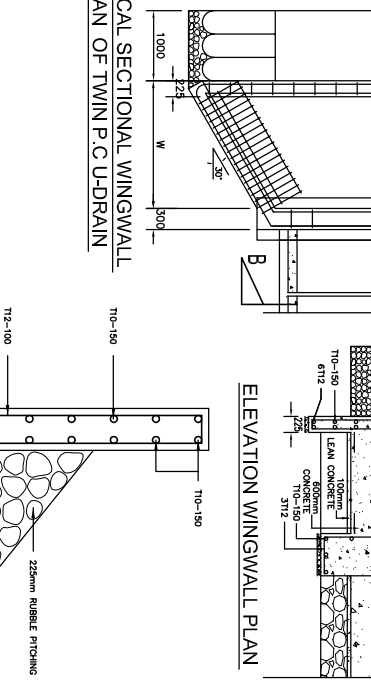
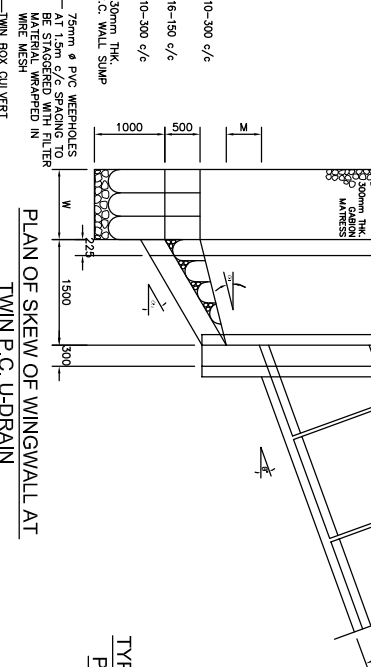
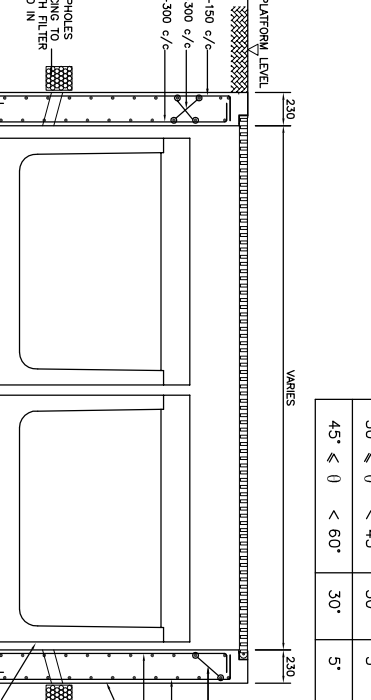
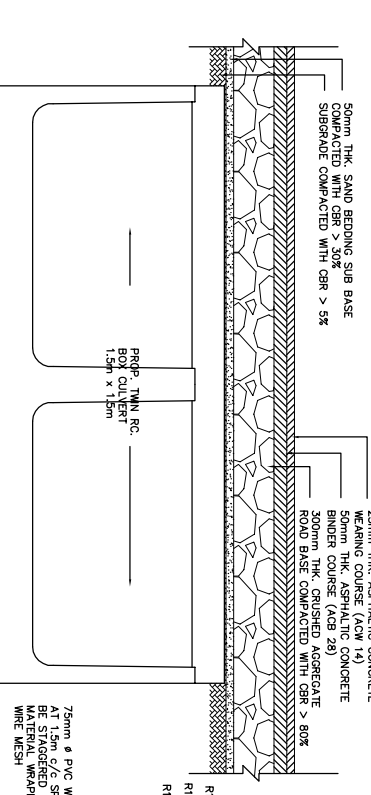
NOMINAL SIZE	A	C	D	E	F	G	H	r	WATER AREA PER UNIT	WEIGHT PER UNIT
mm	mm	mm	mm	mm	mm	mm	mm	mm	m <sup>2</sup>	tonnes
1500 x 1500	1500	1700	125	100	100	100	1700	200	2.25	1.870

STANDARD LENGTH = 1m

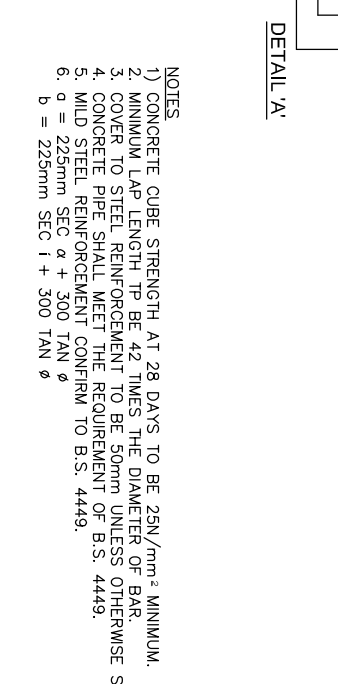
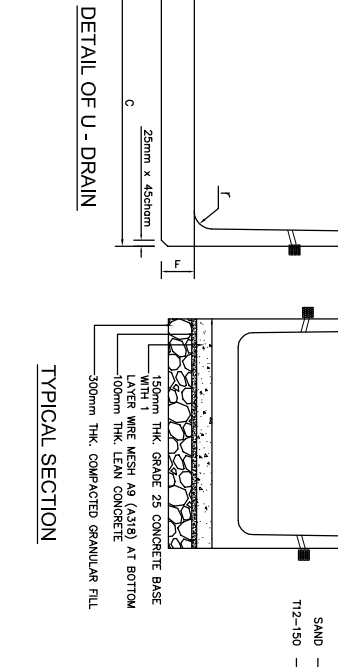
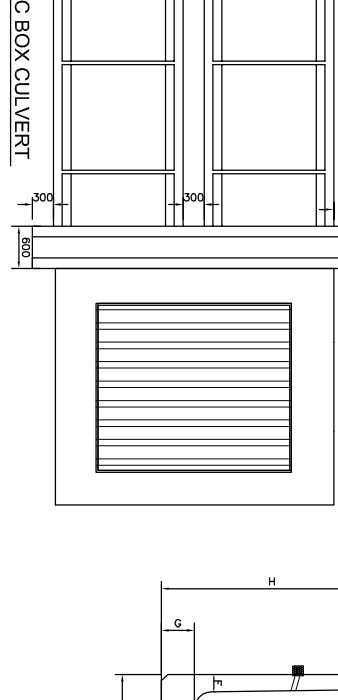
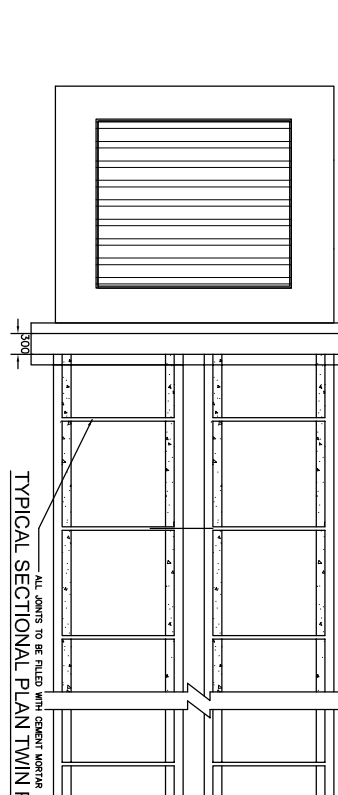
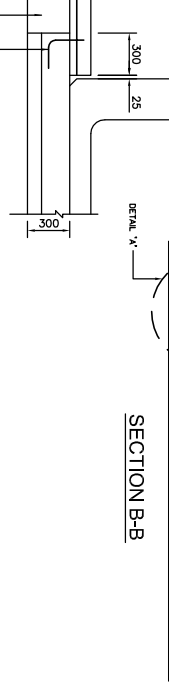
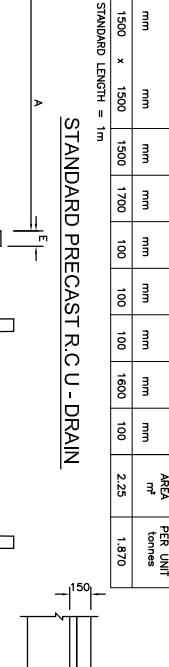
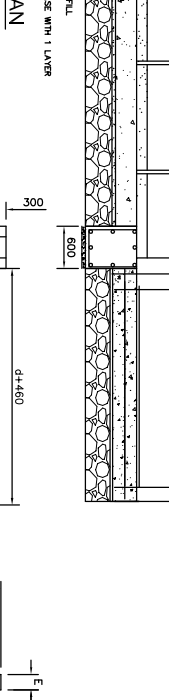
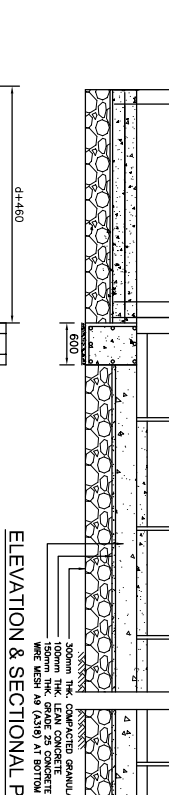
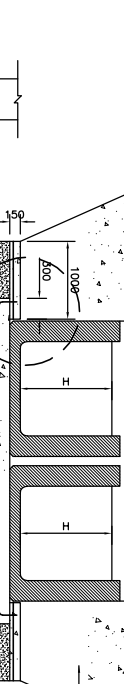
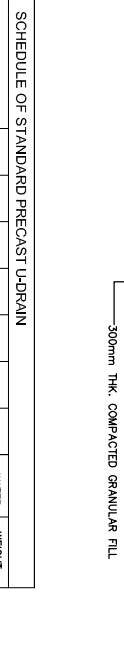
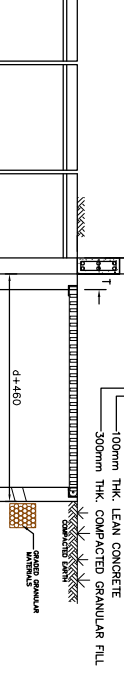
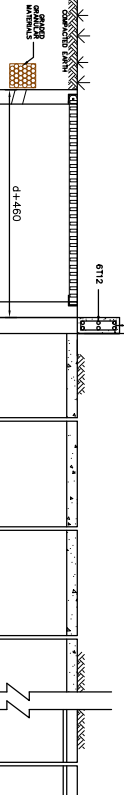
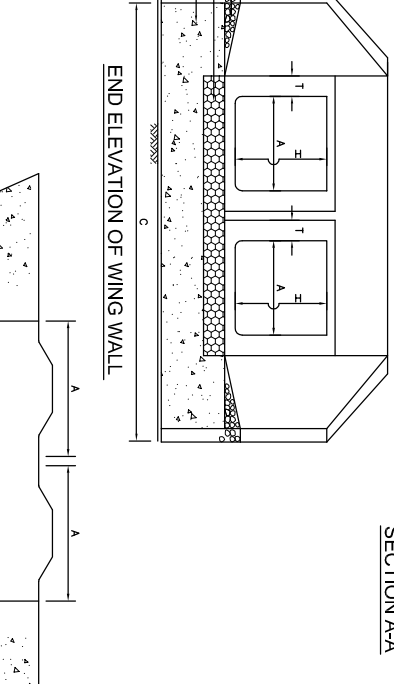
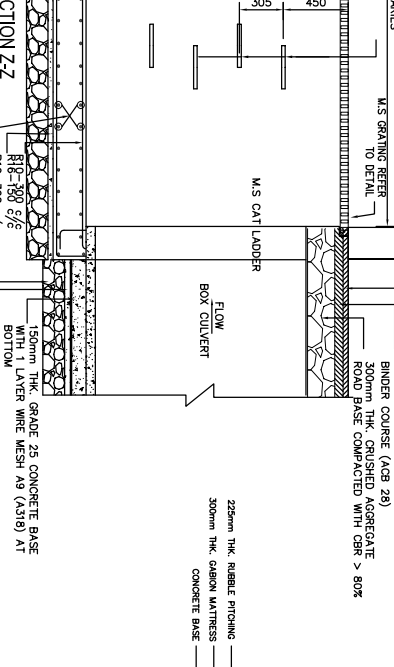
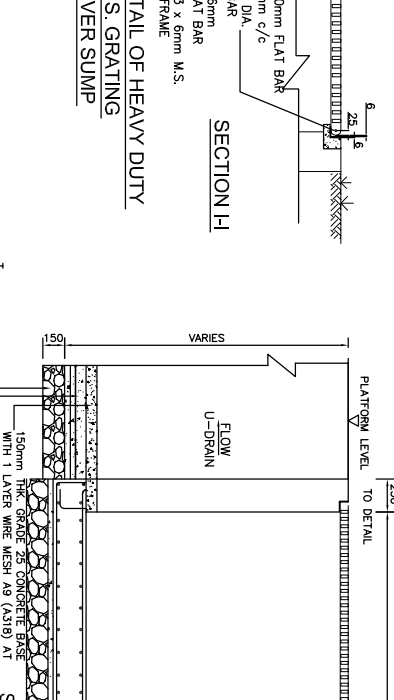
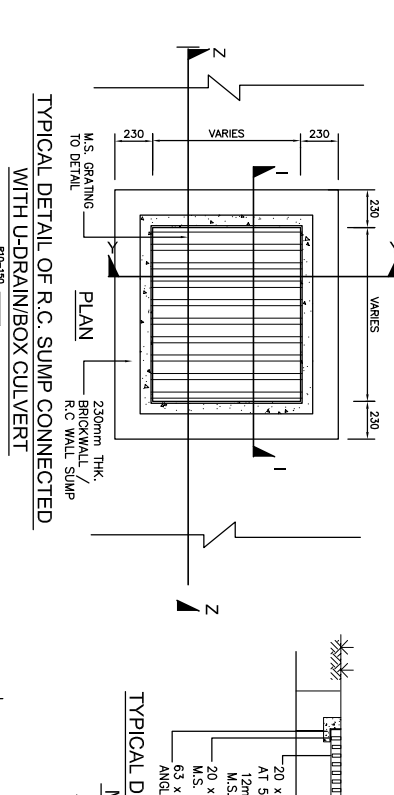


ANGLE OF SKEW

ANGLE OF SKEW	ANGLE OF
0°	C1
0° < θ < 15°	30°
15° < θ < 30°	30°
30° < θ < 45°	30°
45° < θ < 60°	5°



PAVEMENT STRUCTURE FOR ACCESS ROAD



- NOTES
- CONCRETE CURE STRENGTH AT 28 DAYS TO BE 25N/mm<sup>2</sup> MINIMUM.
  - MINIMUM LAP LENGTH TP BE 42 TIMES THE DIAMETER OF BAR.
  - COVER TO STEEL REINFORCEMENT TO BE 50mm UNLESS OTHERWISE STATED.
  - CONCRETE PIPE SHALL MEET THE REQUIREMENT OF B.S. 4449.
  - MILD STEEL REINFORCEMENT CONFORM TO B.S. 4449.
  - φ = 22.5mm SEC α + 300 TAN φ
  - b = 225mm SEC 1 + 300 TAN φ

TARIKH:	BUTIRAN:	RUJUKAN:	URUPAN:	KONTRAKTOR:	JURUKUR BERSEKUT:
<p>PERUNDING: PERUNDING HRS SDN BHD                  NO. 421 &amp; 422, JALAN MANGKAPUS JAYA 1,                  51300 BEH, PERAK DARUL KEHIDUPAN                  TEL: (053) 818 571 &amp; 053 818 580 FAKS: 053 818 5702                  ORIGINATOR: I. RUSLAN</p> <p>TANDA TANGAN JURUTERA: I. MOHD SHUKRI BIN YUSOF</p> <p>MAJLIS DAERAH SELAMA: YANG DIPERUVA</p> <p>TARJUK LUMBUAN: TAJUK PROJEK: MASALAH BANJIR DI TAMAN WERDEKA (JALANT TAMAN WERDEKA, SUNGAI DEBANG)                  - TYPICAL SECTIONAL ELEVATION FOR 1.5M X 1.5M BOX CULVERT                  - STANDARD OF PAVEMENT ROAD                  - STANDARD OF WINGWALL &amp; SUMP -</p> <p>TARJUK: MAC 2020</p> <p>NO. LUMBUAN: HRS / 0921 / RND / 02</p> <p>MAJLIS DAERAH SELAMA</p>					