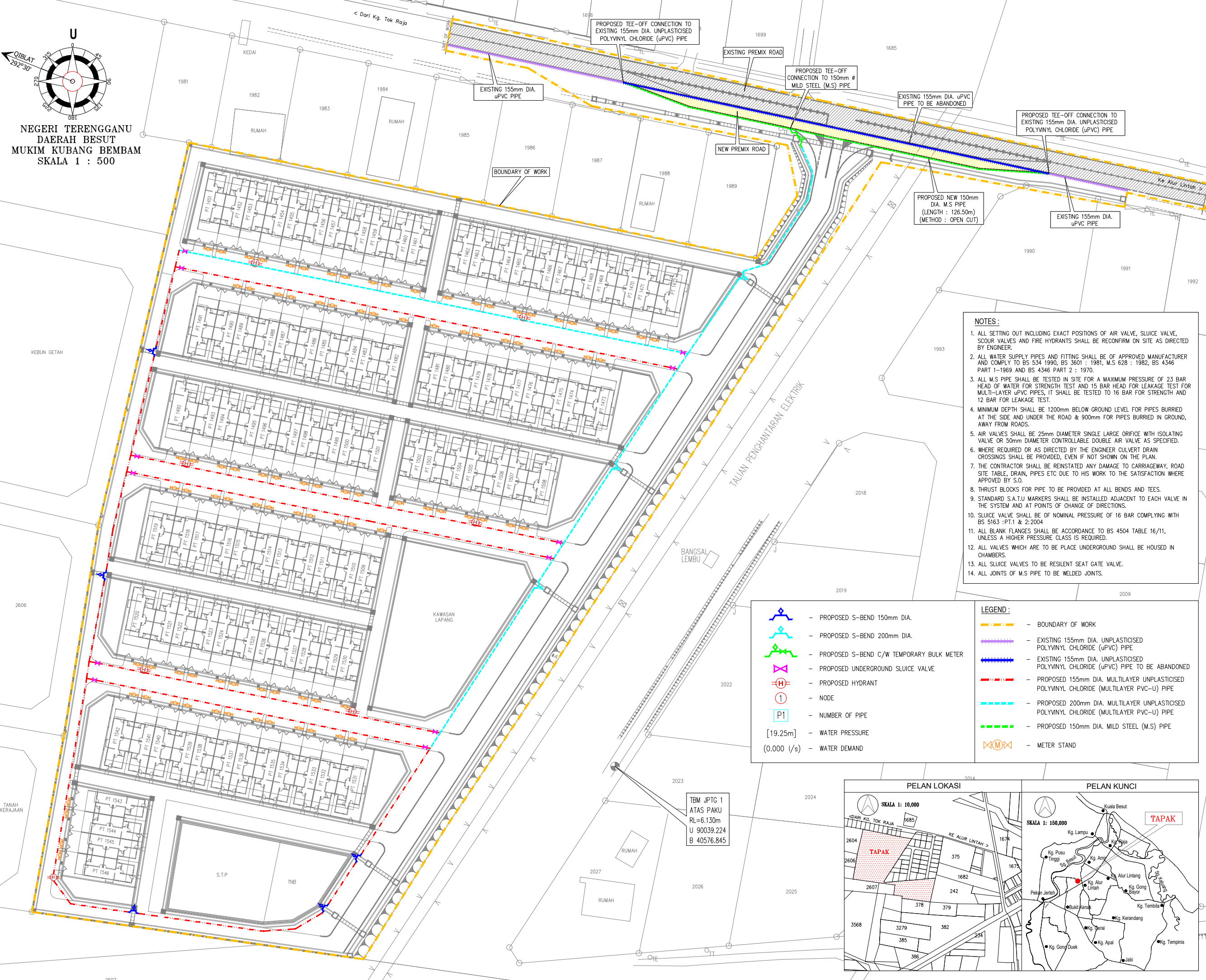
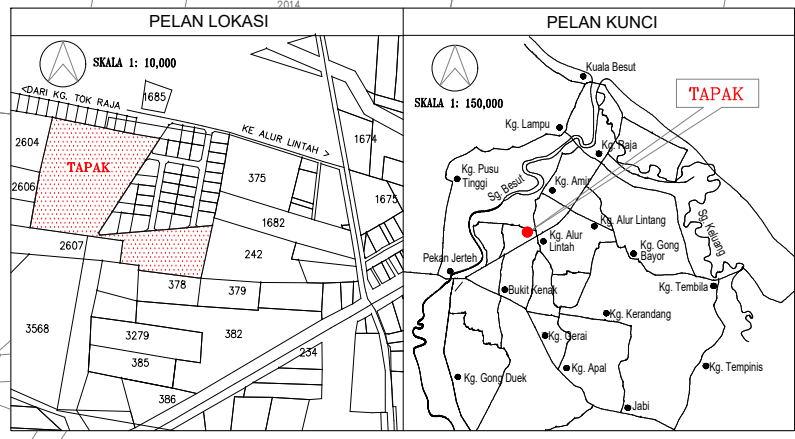


NEGERI TERENGGANU  
DAERAH BESUT  
MUKIM KUBANG BEMBAM  
SKALA 1 : 500



- NOTES :**
- ALL SETTING OUT INCLUDING EXACT POSITIONS OF AIR VALVE, SLUICE VALVE, SCOUR VALVES AND FIRE HYDRANTS SHALL BE RECONFIRM ON SITE AS DIRECTED BY ENGINEER.
  - ALL WATER SUPPLY PIPES AND FITTING SHALL BE OF APPROVED MANUFACTURER AND COMPLY TO BS 534 1990, BS 3601 : 1981, M.S 628 : 1982, BS 4346 PART 1-1969 AND BS 4346 PART 2 : 1970.
  - ALL M.S PIPE SHALL BE TESTED IN SITE FOR A MAXIMUM PRESSURE OF 23 BAR HEAD OF WATER FOR STRENGTH TEST AND 15 BAR HEAD FOR LEAKAGE TEST FOR MULTI-LAYER uPVC PIPES, IT SHALL BE TESTED TO 16 BAR FOR STRENGTH AND 12 BAR FOR LEAKAGE TEST.
  - MINIMUM DEPTH SHALL BE 1200mm BELOW GROUND LEVEL FOR PIPES BURIED AT THE SIDE AND UNDER THE ROAD & 900mm FOR PIPES BURIED IN GROUND, AWAY FROM ROADS.
  - AIR VALVES SHALL BE 25mm DIAMETER SINGLE LARGE ORIFICE WITH ISOLATING VALVE OR 50mm DIAMETER CONTROLLABLE DOUBLE AIR VALVE AS SPECIFIED.
  - WHERE REQUIRED OR AS DIRECTED BY THE ENGINEER CULVERT DRAIN CROSSINGS SHALL BE PROVIDED, EVEN IF NOT SHOWN ON THE PLAN.
  - THE CONTRACTOR SHALL BE REINSTATED ANY DAMAGE TO CARRIAGEWAY, ROAD SITE TABLE, DRAIN, PIPES ETC DUE TO HIS WORK TO THE SATISFACTION WHERE APPROVED BY S.O.
  - THRUST BLOCKS FOR PIPE TO BE PROVIDED AT ALL BENDS AND TEES.
  - STANDARD S.A.T.U MARKERS SHALL BE INSTALLED ADJACENT TO EACH VALVE IN THE SYSTEM AND AT POINTS OF CHANGE OF DIRECTIONS.
  - SLUICE VALVE SHALL BE OF NOMINAL PRESSURE OF 16 BAR COMPLYING WITH BS 5163 :PT.1 & 2:2004
  - ALL BLANK FLANGES SHALL BE ACCORDANCE TO BS 4504 TABLE 16/11, UNLESS A HIGHER PRESSURE CLASS IS REQUIRED.
  - ALL VALVES WHICH ARE TO BE PLACE UNDERGROUND SHALL BE HOUSED IN CHAMBERS.
  - ALL SLUICE VALVES TO BE RESILIENT SEAT GATE VALVE.
  - ALL JOINTS OF M.S PIPE TO BE WELDED JOINTS.

- LEGEND :**
- PROPOSED S-BEND 150mm DIA.
  - PROPOSED S-BEND 200mm DIA.
  - PROPOSED S-BEND C/W TEMPORARY BULK METER
  - PROPOSED UNDERGROUND SLUICE VALVE
  - PROPOSED HYDRANT
  - NODE
  - NUMBER OF PIPE
  - WATER PRESSURE [19.25m]
  - WATER DEMAND (0.000 l/s)
  - BOUNDARY OF WORK
  - EXISTING 155mm DIA. UNPLASTICISED POLYVINYL CHLORIDE (uPVC) PIPE
  - EXISTING 155mm DIA. UNPLASTICISED POLYVINYL CHLORIDE (uPVC) PIPE TO BE ABANDONED
  - PROPOSED 155mm DIA. MULTILAYER UNPLASTICISED POLYVINYL CHLORIDE (MULTILAYER PVC-U) PIPE
  - PROPOSED 200mm DIA. MULTILAYER UNPLASTICISED POLYVINYL CHLORIDE (MULTILAYER PVC-U) PIPE
  - PROPOSED 150mm DIA. MILD STEEL (M.S) PIPE
  - METER STAND



TBM IPTG 1  
ATAS PAKU  
RL=6.130m  
U 90039.224  
B 40576.845

**HAK CIPTA TERPELIHARA :**  
Kontraktor dimestikan memeriksa semua ukuran ditapak. Kerja-kerja hendaklah berdasarkan kepada ukuran yang dicatatkan sahaja. Sebarang kesilapan hendaklah dilaporkan kepada wakil Pegawai Penguasa sebelum memulakan sebarang kerja.

R.U.	TARIKH	BUTIRAN

**PROJEK :**  
CADANGAN MEMBINA DAN MENYIAPKAN 96 UNIT RUMAH TERES SATU TINGKAT YANG MENDUNGI :

1) 86 UNIT RUMAH TERES 1 TINGKAT JENIS A  
PT 1532 - PT 1541 (H.S.(D) 3894 - (H.S.(D) 3903)  
PT 1543 - PT 1545 (H.S.(D) 3905 - (H.S.(D) 3907)  
PT 1509 - PT 1518 (H.S.(D) 3871 - (H.S.(D) 3880),  
PT 1521 - PT 1530 (H.S.(D) 3883 - (H.S.(D) 3892)  
PT 1482 - PT 1490 (H.S.(D) 3844 - (H.S.(D) 3852)  
PT 1493 - PT 1501 (H.S.(D) 3855 - (H.S.(D) 3863),  
PT 1474 - PT 1481 (H.S.(D) 3836 - (H.S.(D) 3843)  
PT 1502 - PT 1507 (H.S.(D) 3864 - (H.S.(D) 3869)  
PT 1451 - PT 1471 (H.S.(D) 3813 - (H.S.(D) 3833).

2) 5 UNIT RUMAH TERES 1 TINGKAT JENIS B  
PT 1520 (H.S.(D) 3882), PT 1519 (H.S.(D) 3881), PT 1492 (H.S.(D) 3854)  
PT 1472 (H.S.(D) 3834), PT 1508 (H.S.(D) 3870).

3) 3 UNIT RUMAH TERES 1 TINGKAT JENIS C  
PT 1546 (H.S.(D) 3908), PT 1542 (H.S.(D) 3904), PT 1491 (H.S.(D) 3853)

4) 2 UNIT RUMAH TERES 1 TINGKAT JENIS D  
PT 1531 (H.S.(D) 3893), PT 1473 (H.S.(D) 3855)

1 UNIT LOJI RAWATAN KUMBAHAN, 1 UNIT PENCAWANG ELEKTRIK SERTA KERJA- KERAJA BERKAITAN DI TEMPAT KAMPUNG ALOR LINTAH, MUKIM KUBANG BEMBAM, DAERAH BESUT, TERENGGANU DARUL IMAN.

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"I hereby certify that these works have been designed by me in accordance with sound engineering practice and that I take full responsibility for the design and proper performance of the same"

Ir. AMSYARI B. ABD AZIZ @ ABDULLAH  
Bsc (Hons) Civil, UTM, M.I.E.M, P.Eng

**TAJUK LUKISAN :**  
WATER RETICULATION  
WATER RETICULATION LAYOUT PLAN

DILUKIS	MOSAF	NO. PROJEK	2021	REVISION
DISEMAK	NIZ	TARIKH	APR 2025	0 1 2 3
DILULUSKAN	Ir. AAA	SKALA	1 : 500	SHEET NO.
NO. LUKISAN	ABG/KOPERAT/2021/KBM/IF/WR-01			16

☐ SUB. DWG ☐ TEND. DWG ☐ CONS. DWG ☐ AS-BUILT. DWG