

1. ALTERNATIVE BASE COURSE MATERIALS
AS AN ALTERNATIVE TO ASPHALTIC CONCRETE BASE COURSE, THE FOLLOWING ARE SUGGESTED FOR SUBGRADE PREPARATION AND FINISHING COURSE:
1. 100mm LEAN MIX CONCRETE (SEE NOTE 1) ON 150mm MIN. THICK SUB-BASE (SEE NOTE 3) ON 150mm MIN. THICK CARPING LAYER (SEE NOTE 4) ON SUBGRADE TO GIVE 300mm TOTAL SUB-BASE THICKNESS.

2. USE OF BASE COURSE FOR VARIATIONS
CARRIAGEWAY WIDTH = 6.0m TYPICAL
BUT SEE PLANS FOR VARIATIONS
FALLS: 1:40 TYPICAL FROM ONE DIRECTION TO FALL OR SUPERELEVATION.

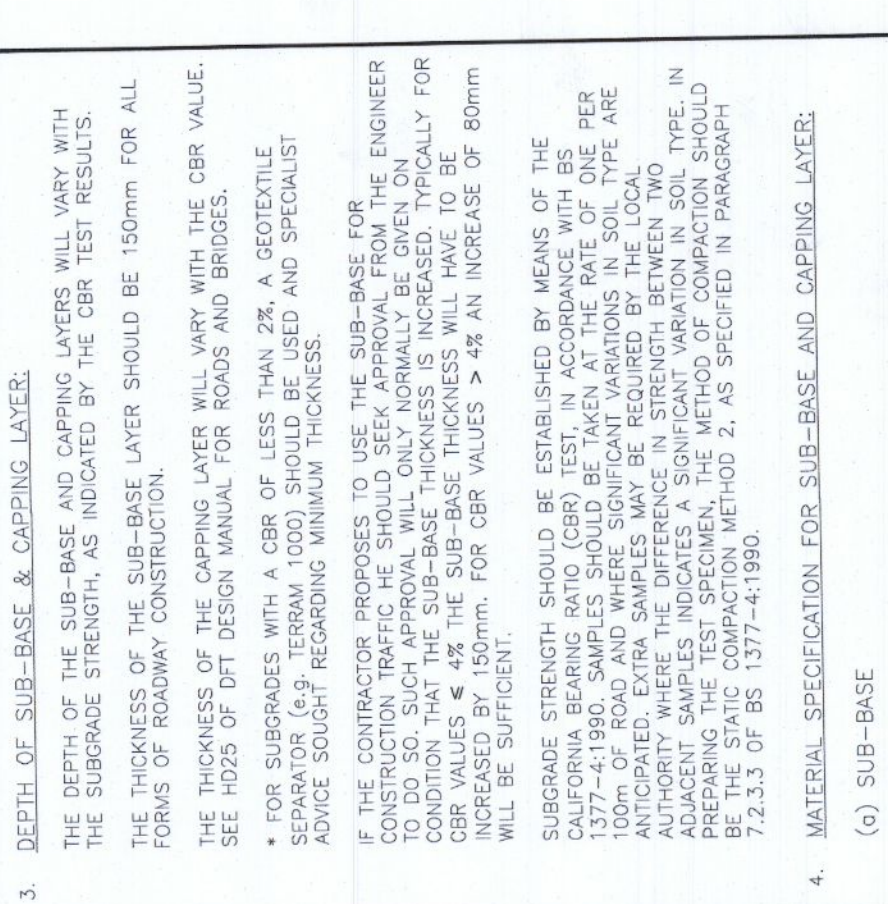
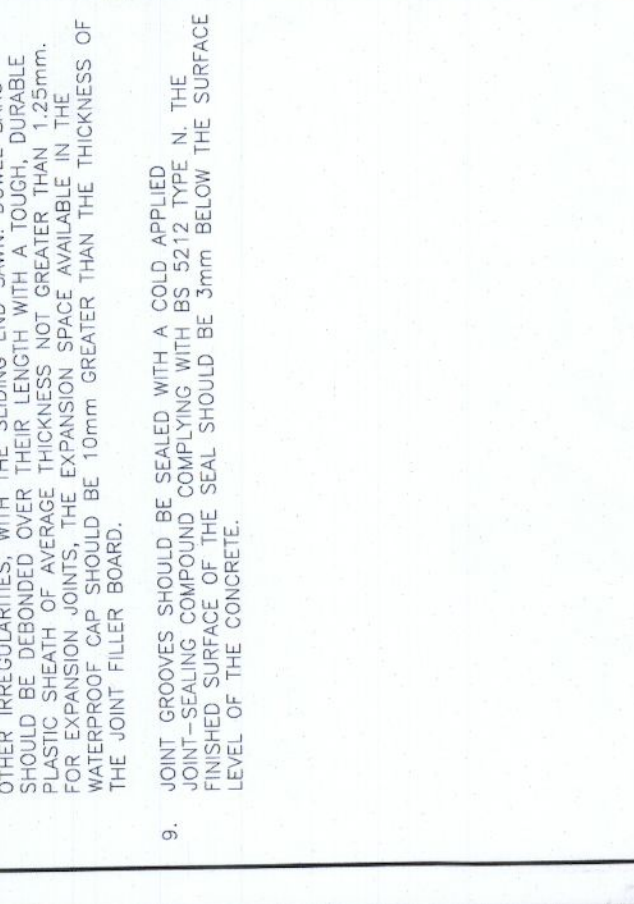
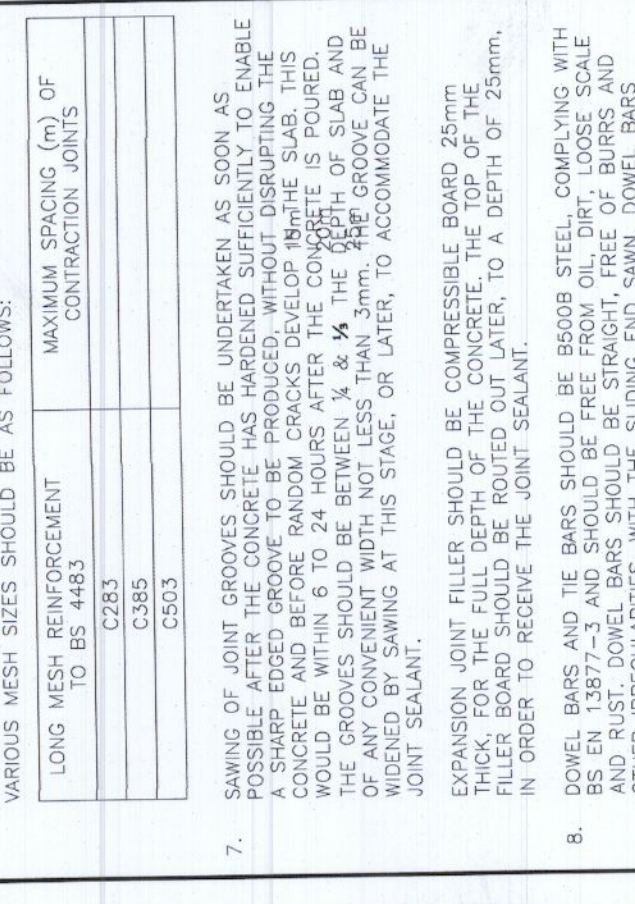
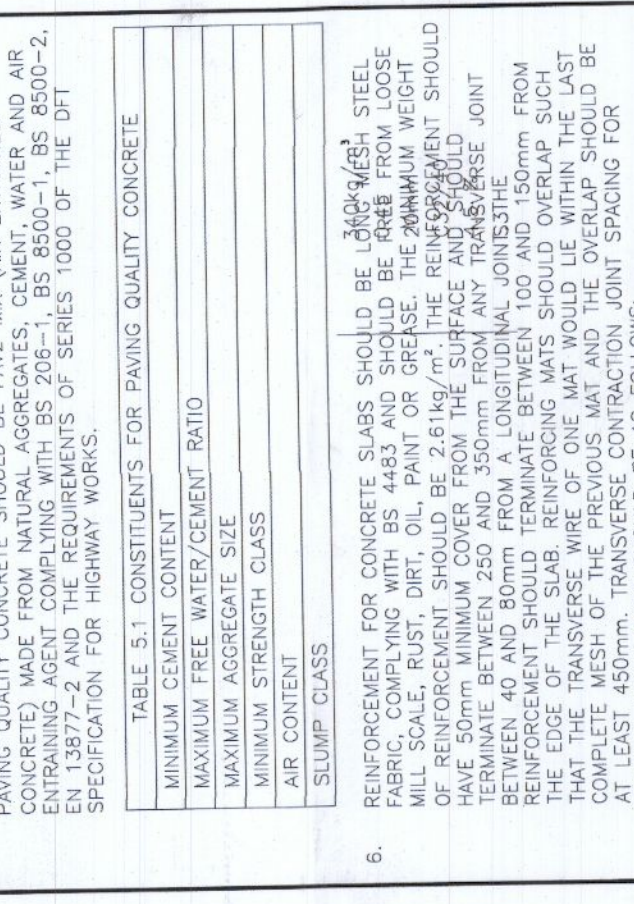


Table 1: Sub-base materials. Columns: Material, Thickness, and Reference. Rows include 100mm concrete, 150mm sub-base, and 150mm carping layer.

3. TYPICAL CROSS SECTION THRO' BLOCK PAVING ESTATE ROAD
CONCRETE (60mm THICK) OR CLAY (60mm THICK) BLOCK PAVERS (SEE NOTE 1) ON 100mm LEAN MIX CONCRETE (SEE NOTE 1) ON 150mm MIN. THICK CARPING LAYER (SEE NOTE 4) ON SUBGRADE TO GIVE 300mm TOTAL SUB-BASE THICKNESS.

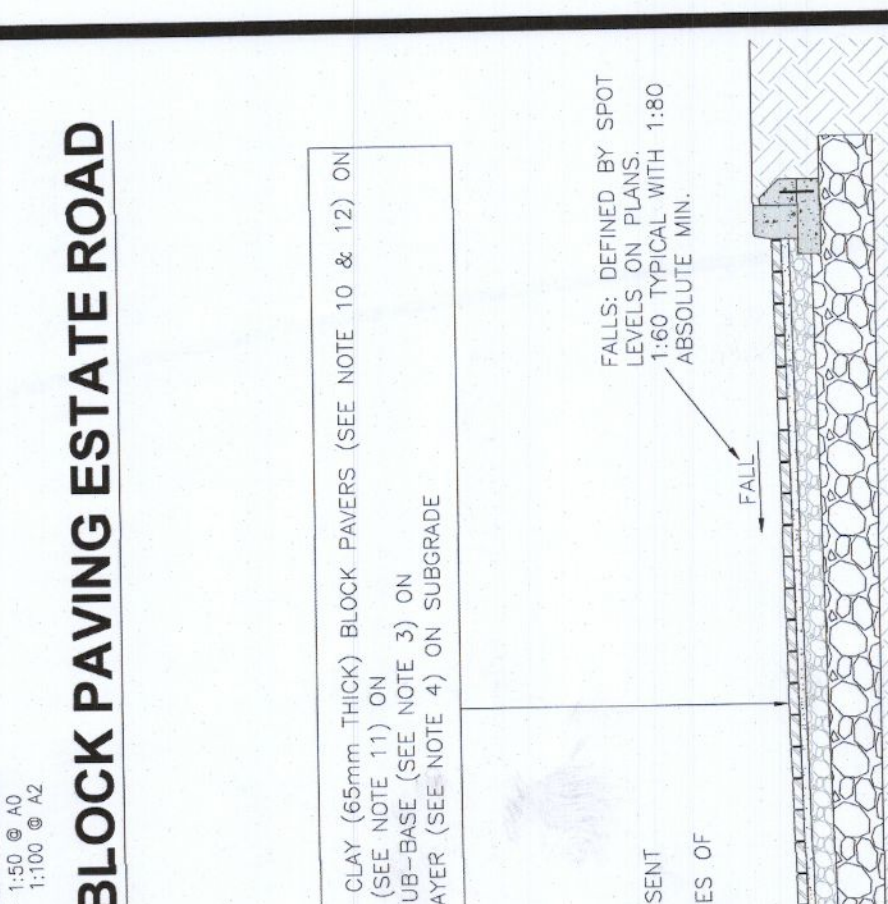


4. MATERIAL SPECIFICATION FOR SUB-BASE AND CARPING LAYER
SUB-BASE MATERIALS SHOULD BE SPECIFIED IN ACCORDANCE WITH BS EN 12178. THE SUB-BASE SHOULD BE 150mm FOR ALL TYPES OF ROAD. THE CARPING LAYER SHOULD BE 150mm FOR ALL TYPES OF ROAD.

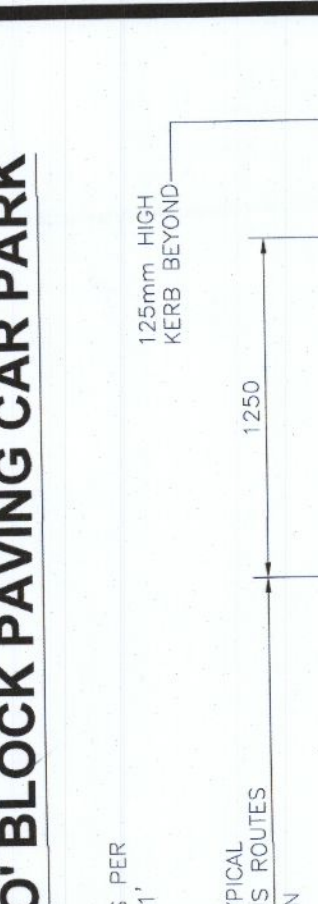
Table 2: Concrete materials. Columns: Material, Thickness, and Reference. Rows include 100mm concrete, 150mm sub-base, and 150mm carping layer.

5. CAPPING LAYER
THE CAPPING LAYER SHOULD BE 150mm FOR ALL TYPES OF ROAD. THE CAPPING LAYER SHOULD BE 150mm FOR ALL TYPES OF ROAD.

6. TYPICAL CROSS SECTION THRO' PRECAST CONCRETE ROADWAY / HARDSTANDING
CONCRETE (60mm THICK) OR CLAY (60mm THICK) BLOCK PAVERS (SEE NOTE 1) ON 100mm LEAN MIX CONCRETE (SEE NOTE 1) ON 150mm MIN. THICK CARPING LAYER (SEE NOTE 4) ON SUBGRADE TO GIVE 300mm TOTAL SUB-BASE THICKNESS.



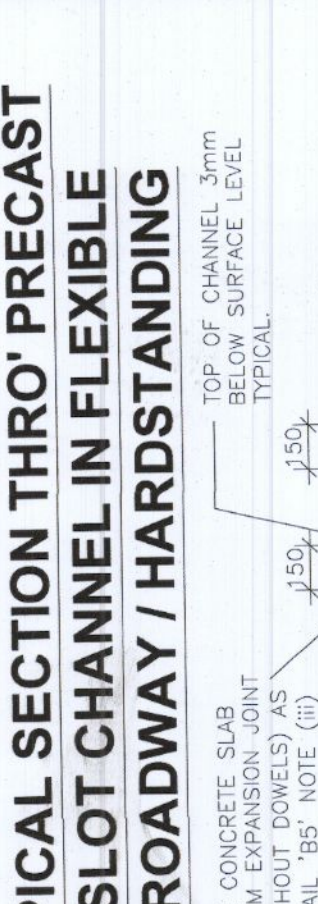
7. TYPICAL SECTION THRO' PRECAST SLOT CHANNEL IN FLEXIBLE ROADWAY / HARDSTANDING
FOR CONCRETE SLAB (WITH OR WITHOUT CURBS) ON FLEXIBLE ROADWAY (WITHOUT CURBS) AS SPECIFIED ON PLAN (SEE NOTE 13).



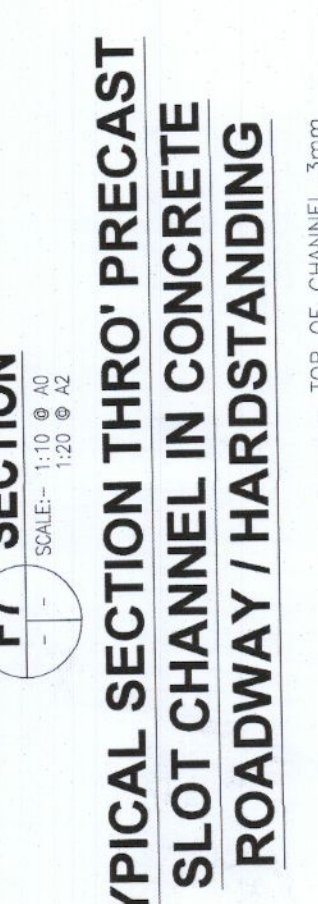
8. TYPICAL SECTION THRO' PRECAST SLOT CHANNEL IN CONCRETE ROADWAY / HARDSTANDING
FOR CONCRETE SLAB (WITH OR WITHOUT CURBS) ON CONCRETE ROADWAY (WITH CURBS) AS SPECIFIED ON PLAN (SEE NOTE 13).



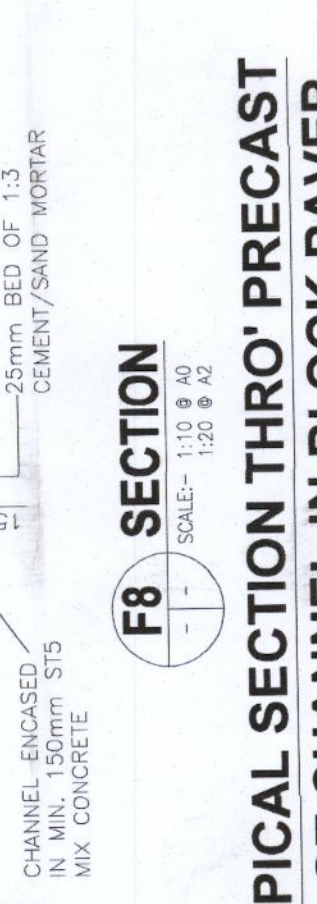
9. TYPICAL SECTION THRO' LINEAR DRAINAGE CHANNEL IN FLEXIBLE ROADWAY / HARDSTANDING
FOR CONCRETE SLAB (WITH OR WITHOUT CURBS) ON FLEXIBLE ROADWAY (WITHOUT CURBS) AS SPECIFIED ON PLAN (SEE NOTE 13).



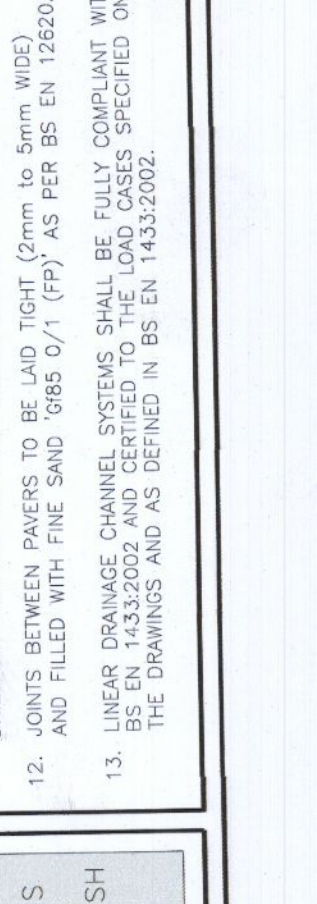
10. TYPICAL SECTION THRO' LINEAR DRAINAGE CHANNEL IN CONCRETE ROADWAY / HARDSTANDING
FOR CONCRETE SLAB (WITH OR WITHOUT CURBS) ON CONCRETE ROADWAY (WITH CURBS) AS SPECIFIED ON PLAN (SEE NOTE 13).



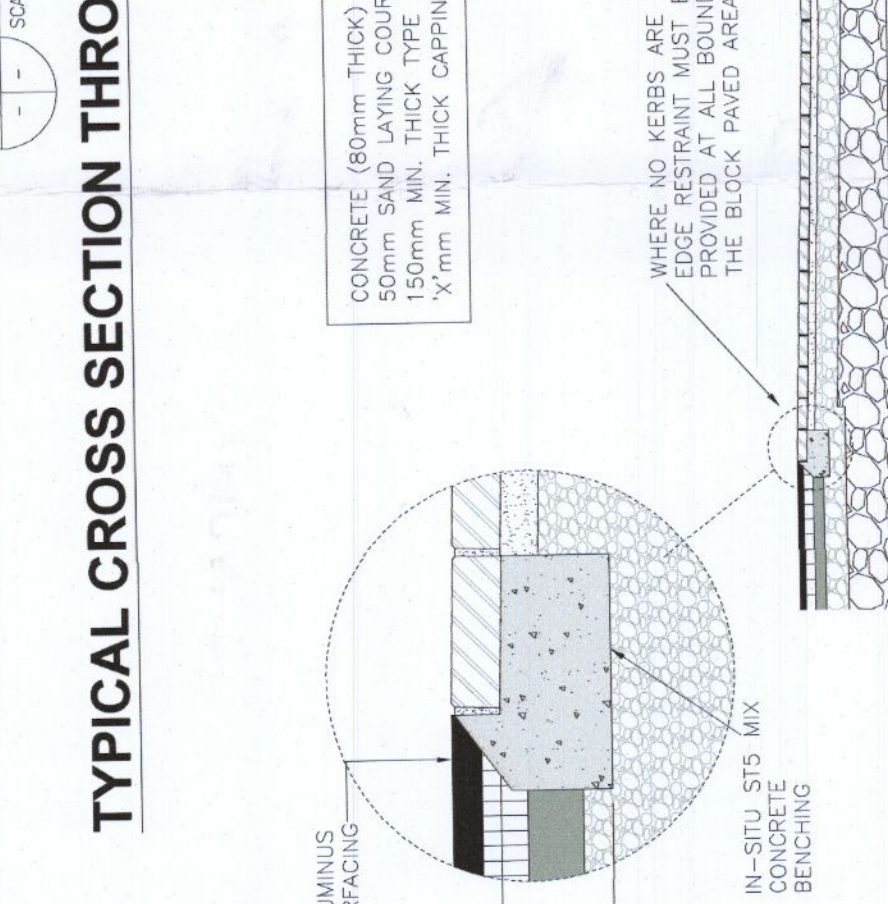
11. TYPICAL SECTION THRO' LINEAR DRAINAGE CHANNEL IN BLOCK PAVEMENT ROADWAY / HARDSTANDING
FOR CONCRETE SLAB (WITH OR WITHOUT CURBS) ON BLOCK PAVEMENT ROADWAY (WITH CURBS) AS SPECIFIED ON PLAN (SEE NOTE 13).



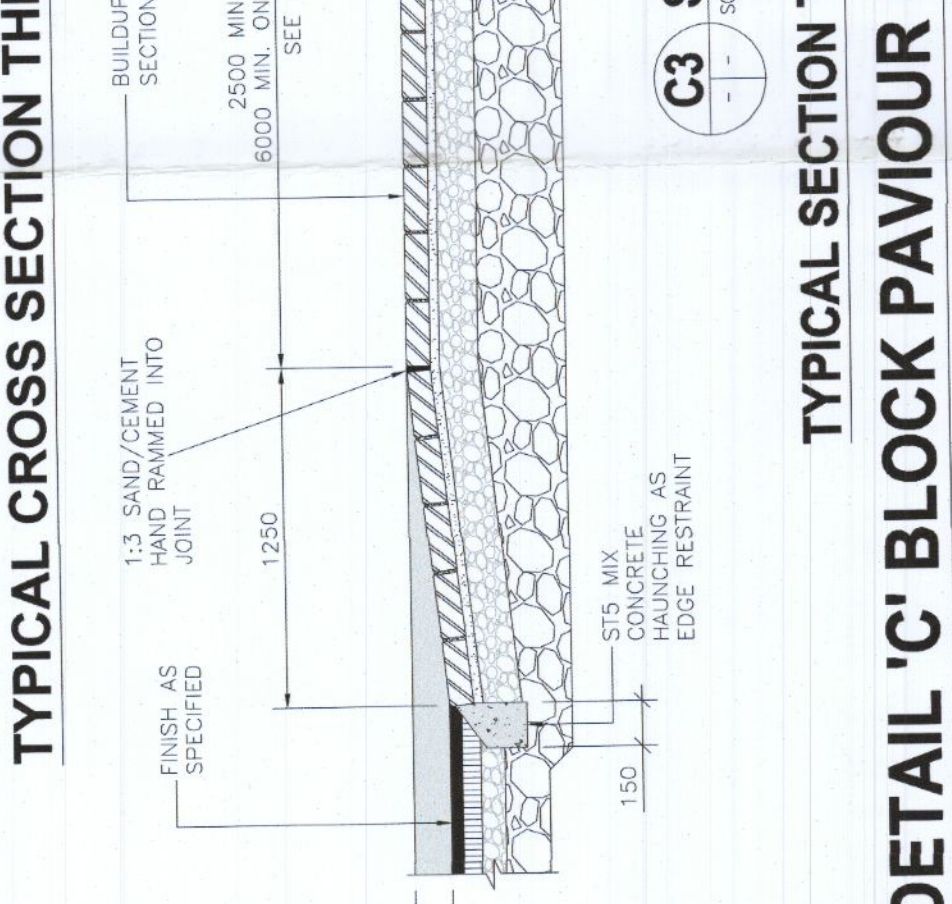
12. TYPICAL SECTION THRO' LINEAR DRAINAGE CHANNEL IN BLOCK PAVEMENT ROADWAY / HARDSTANDING
FOR CONCRETE SLAB (WITH OR WITHOUT CURBS) ON BLOCK PAVEMENT ROADWAY (WITH CURBS) AS SPECIFIED ON PLAN (SEE NOTE 13).



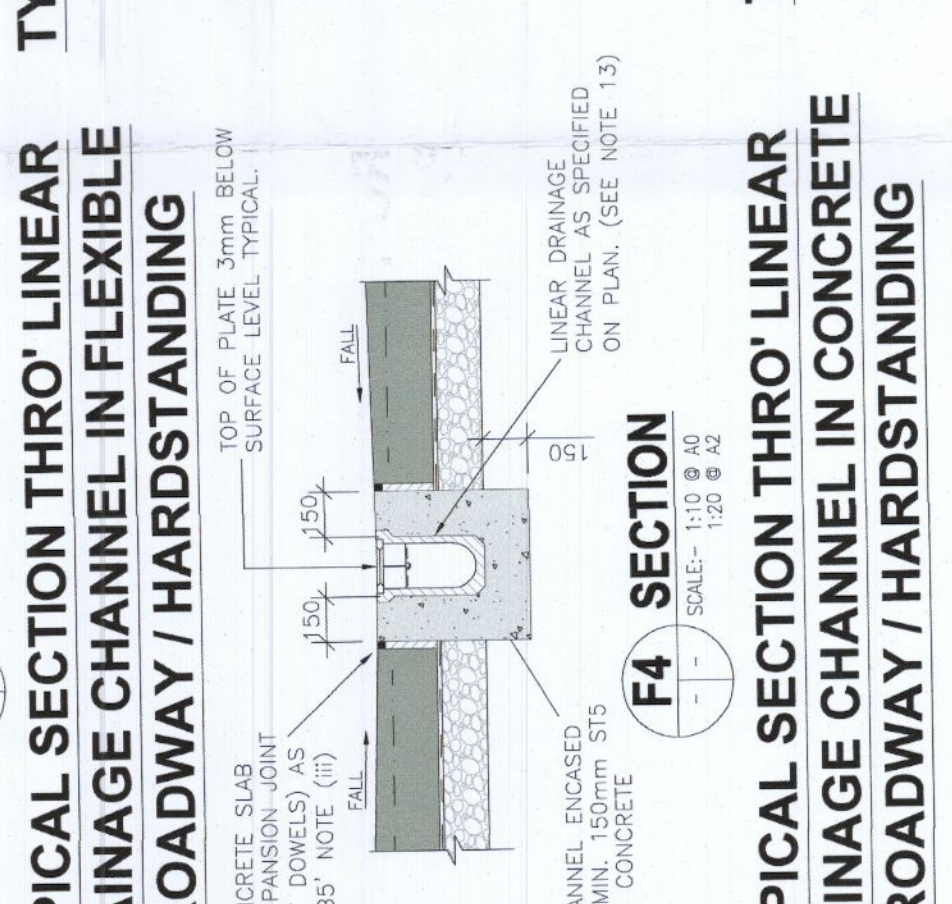
13. TRANSVERSE CONTRACTION JOINT DETAIL
PRE-FORMED STRIP STUCK TO EDGE OF SLAB. REINFORCEMENT SHOULD BE PLACED AT 200mm TO 300mm FROM JOINT LINE.



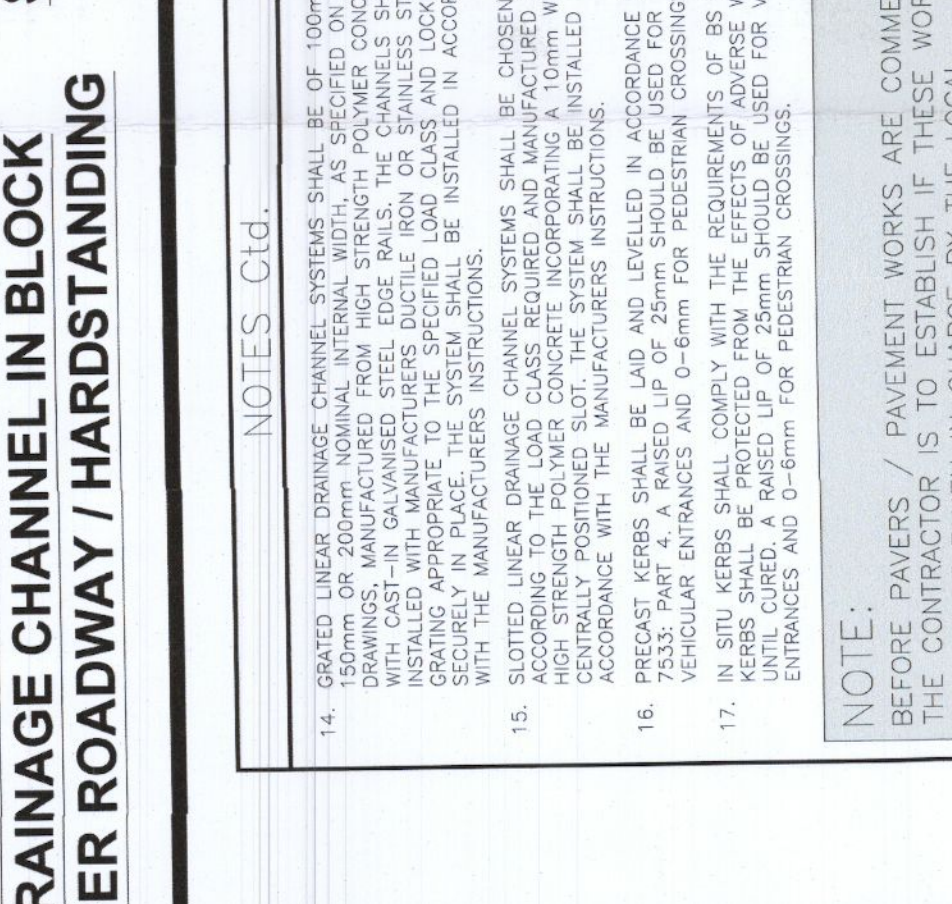
14. LONGITUDINAL JOINT DETAIL
PRE-FORMED STRIP STUCK TO EDGE OF SLAB. REINFORCEMENT SHOULD BE PLACED AT 200mm TO 300mm FROM JOINT LINE.



15. TRANSVERSE EXPANSION JOINT DETAIL FORMED CONTRACTION JOINT DETAIL
REINFORCEMENT SHOULD BE PLACED AT 200mm TO 300mm FROM JOINT LINE.

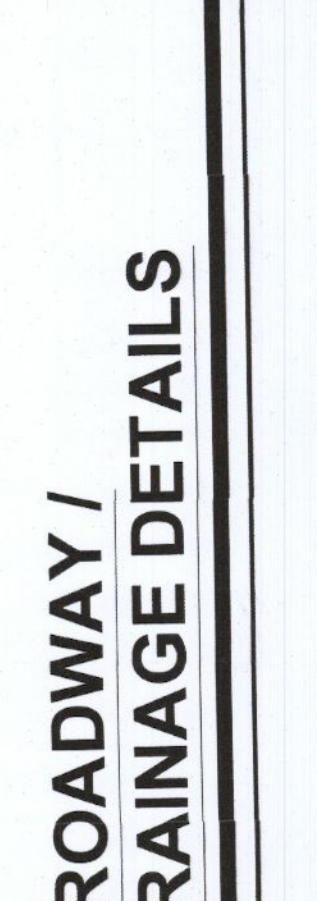
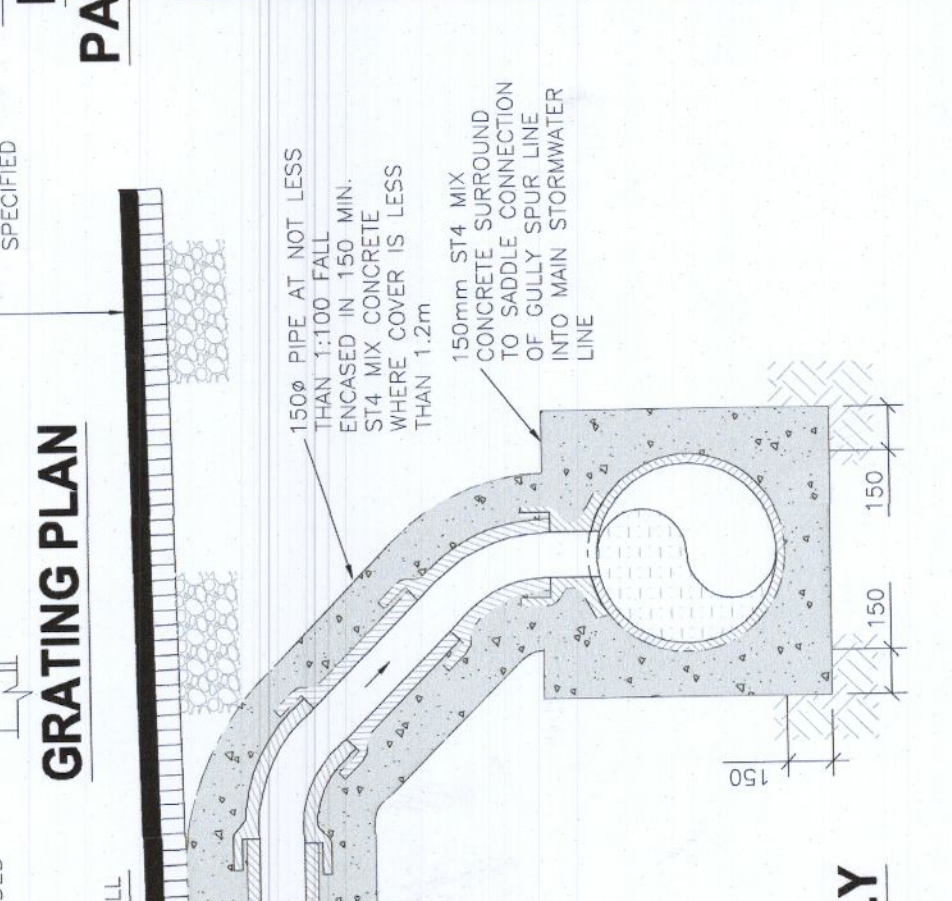
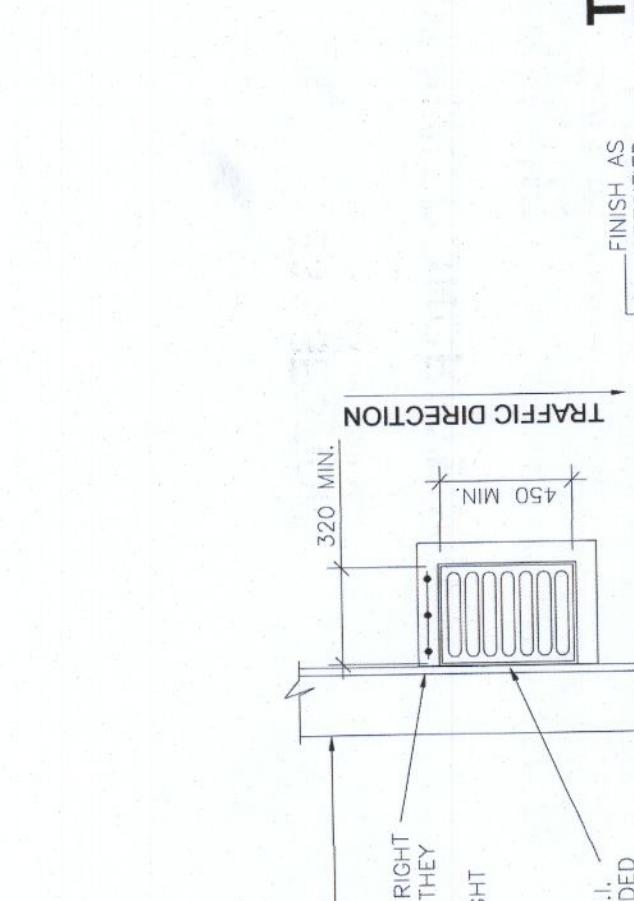
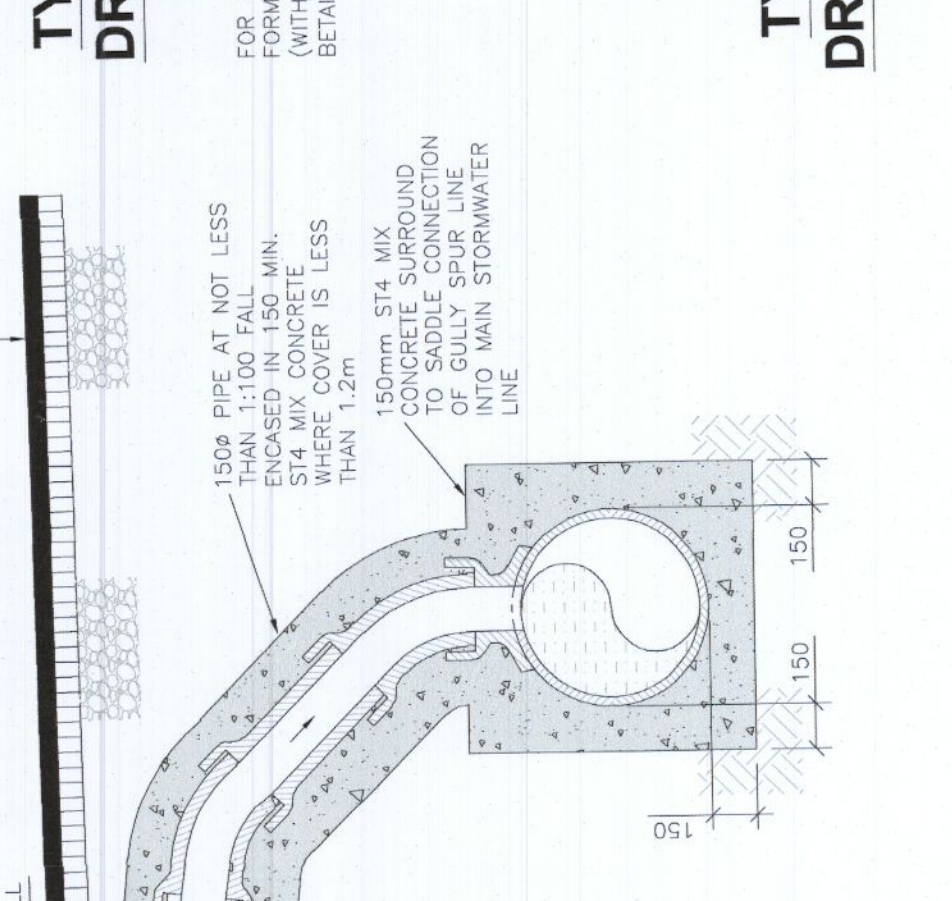
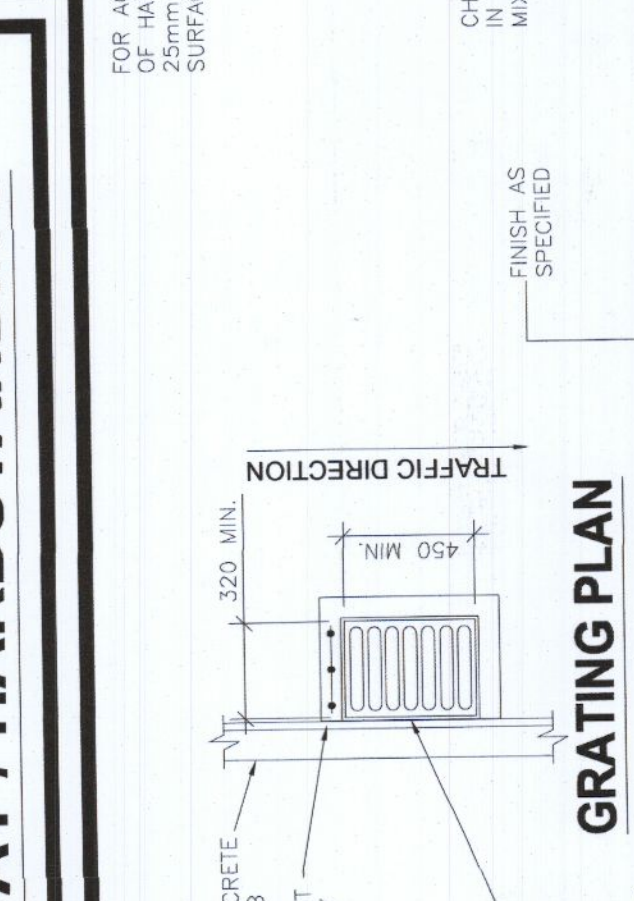
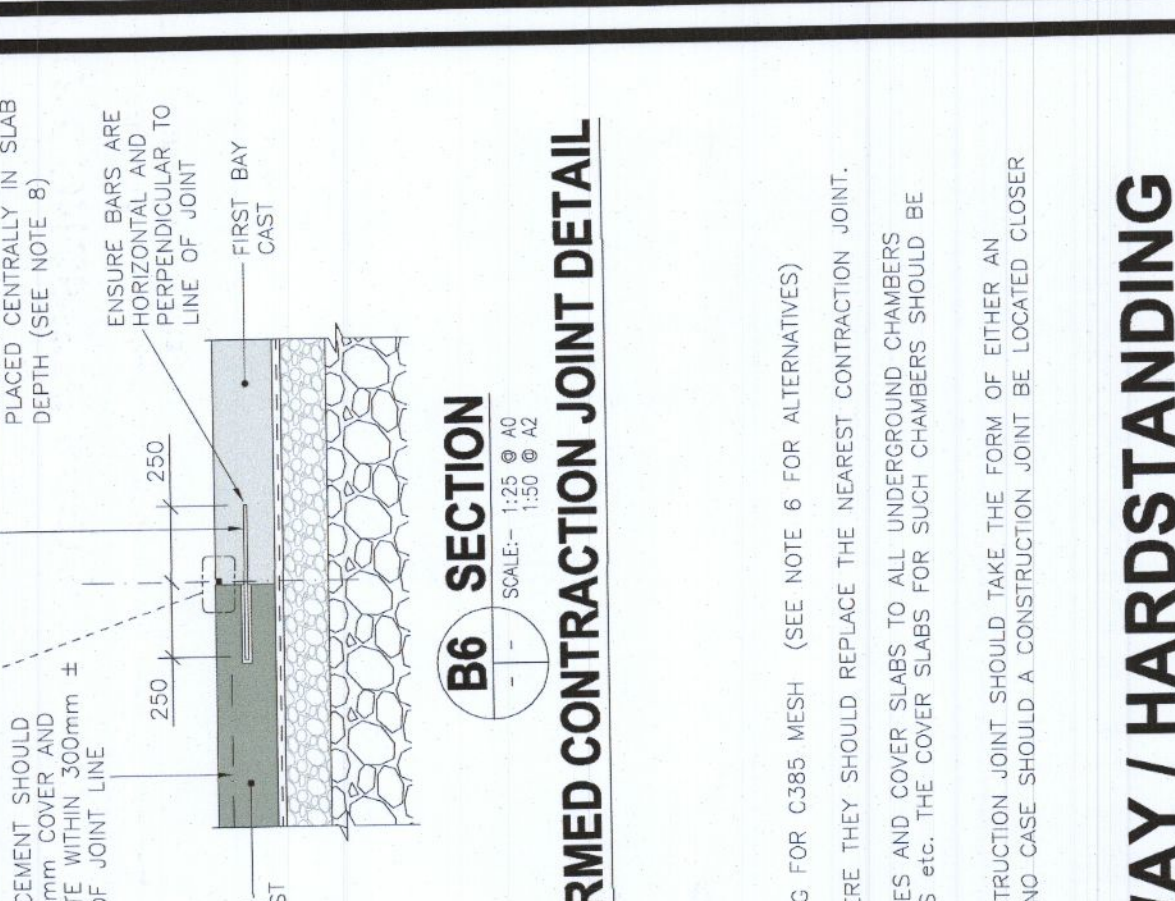
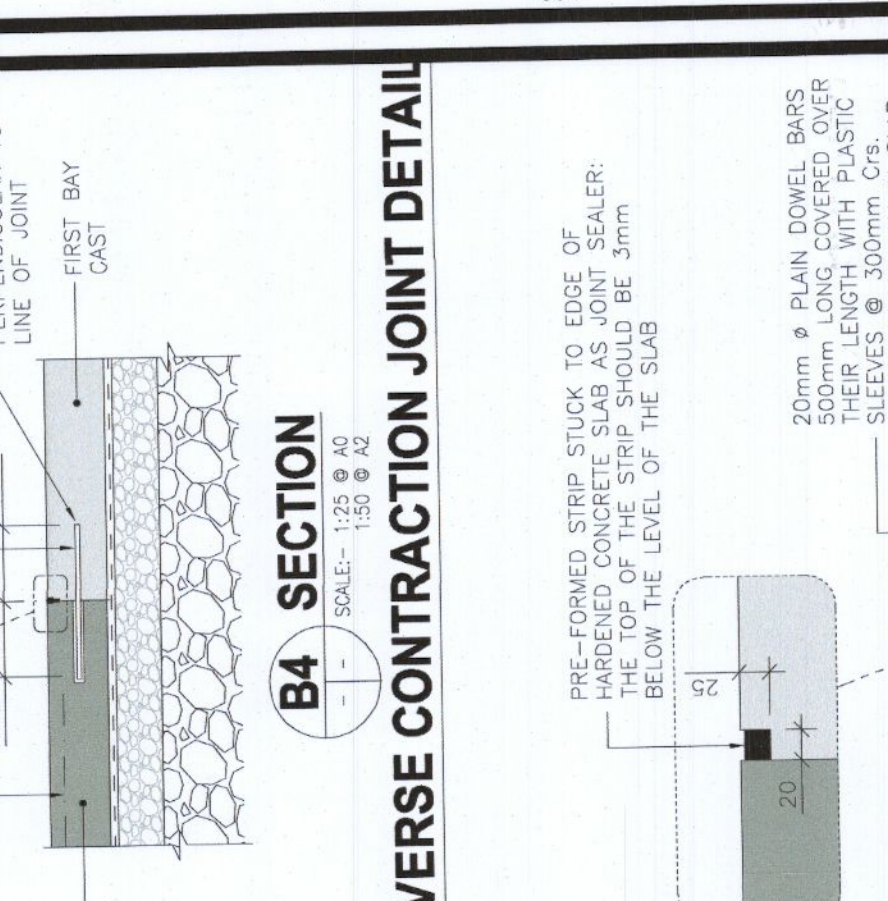


16. NOTE: JOINTS IN CONCRETE SLABS
TRANSVERSE CONTRACTION JOINTS (SEE NOTE 13) TO BE AT 20m SPACING FOR C&G. EXPANSION JOINTS (SEE NOTE 14) TO BE AT 60m TO 70m CENTRES WHERE THEY SHOULD REPLACE THE NEAREST CONTRACTION JOINT.

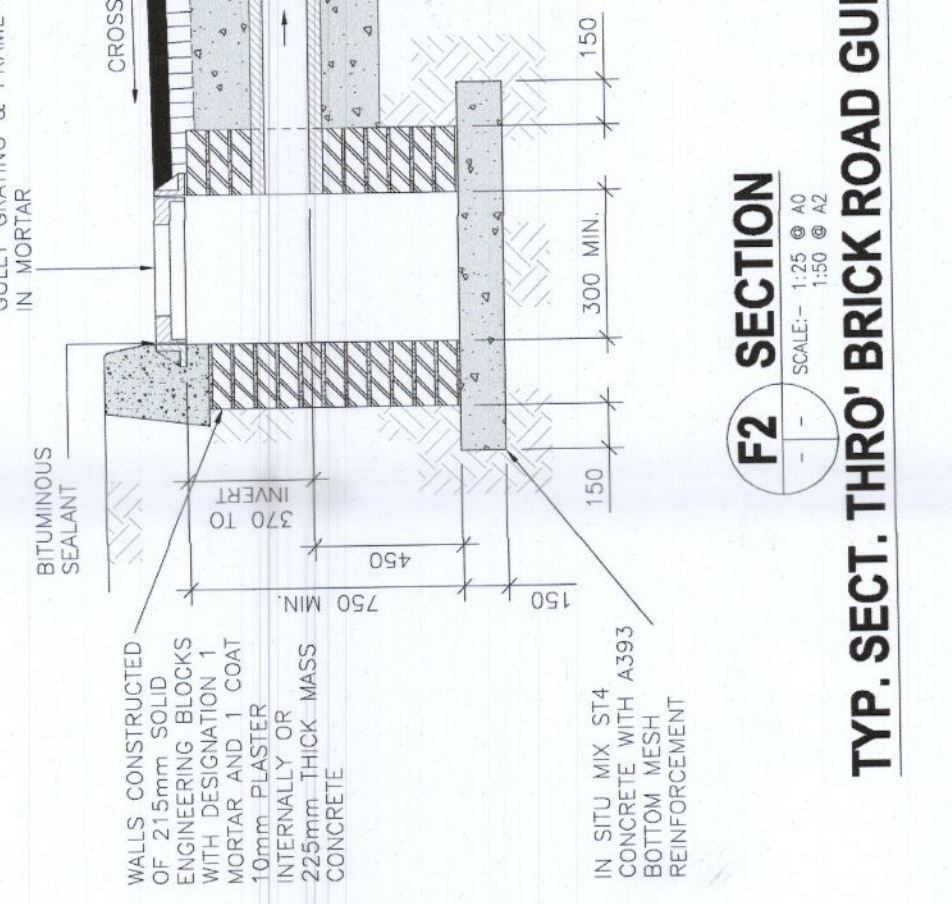
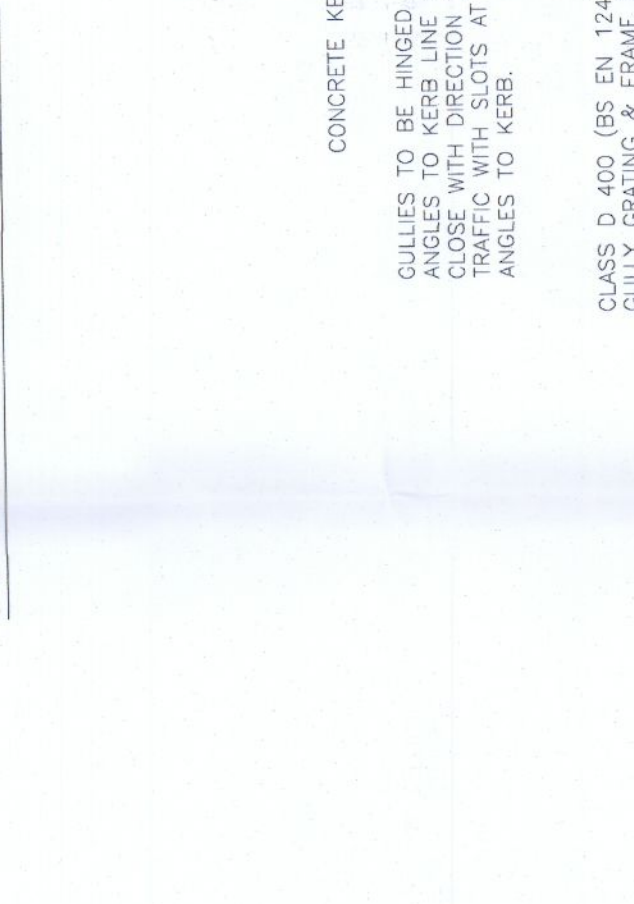
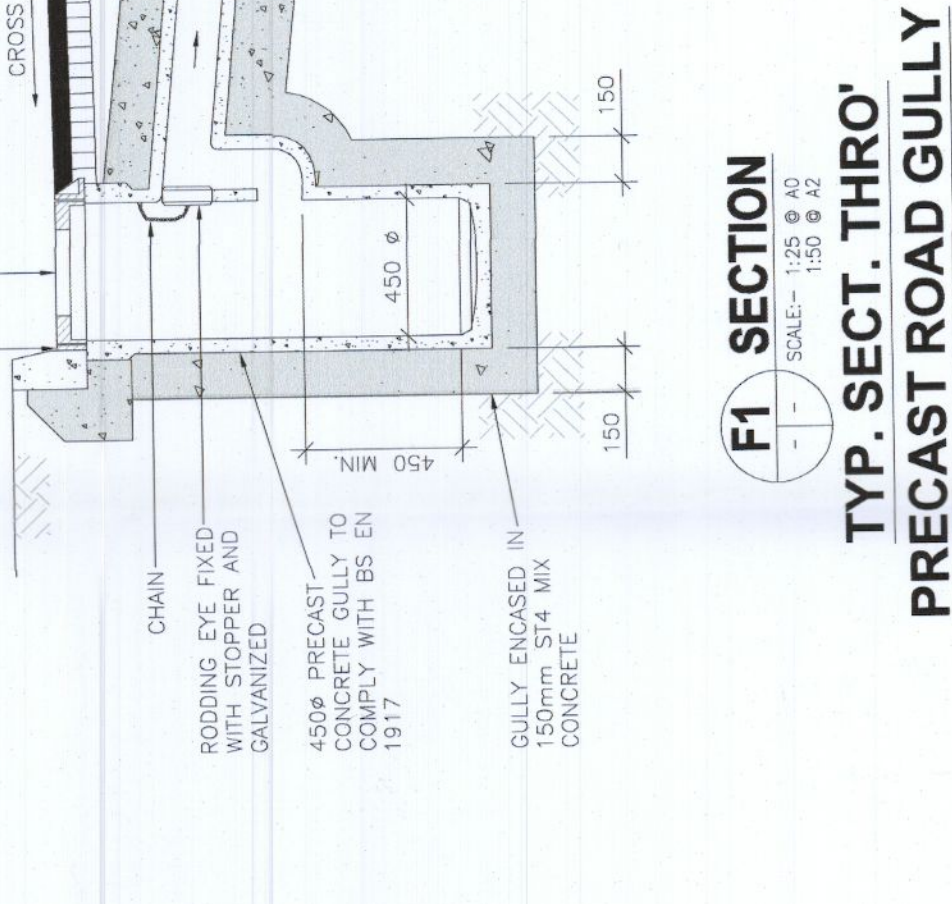
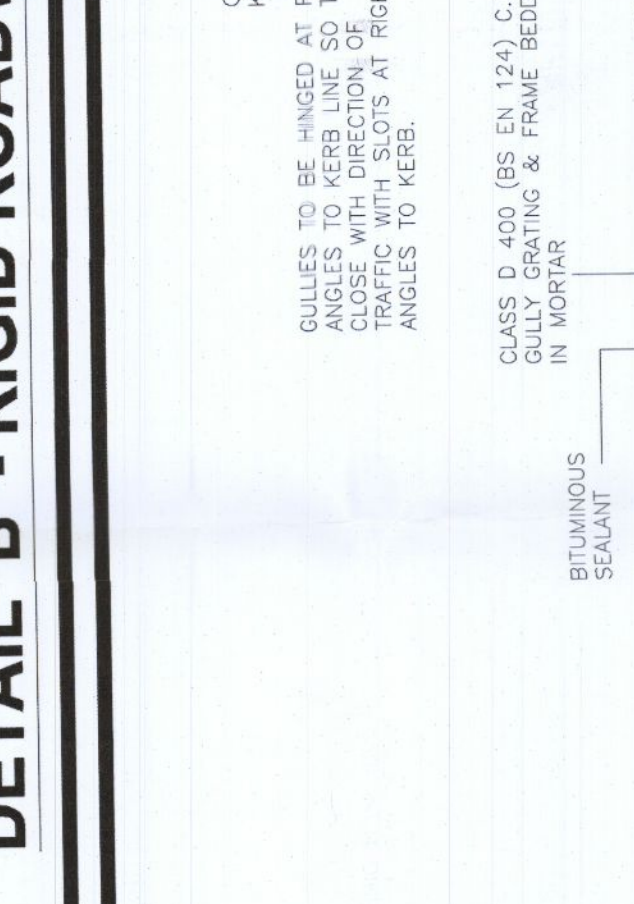
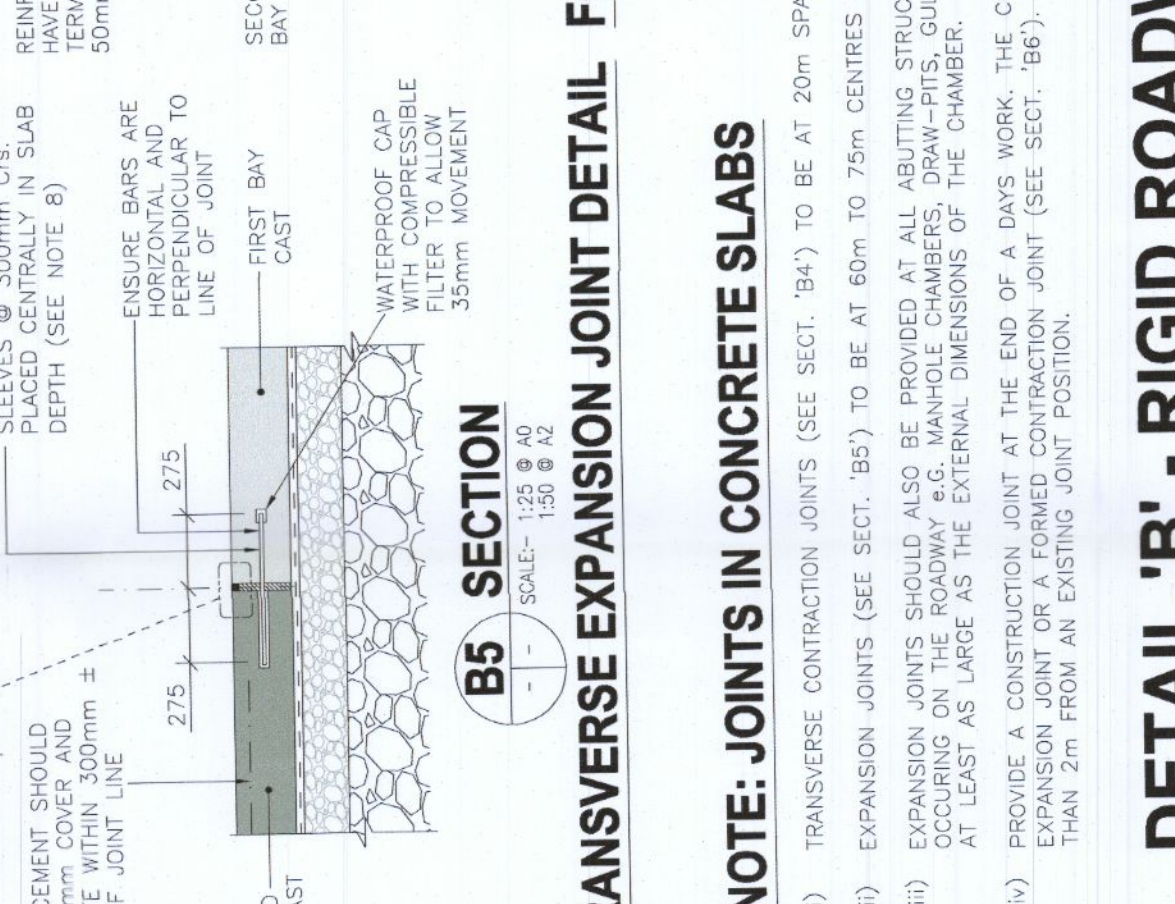
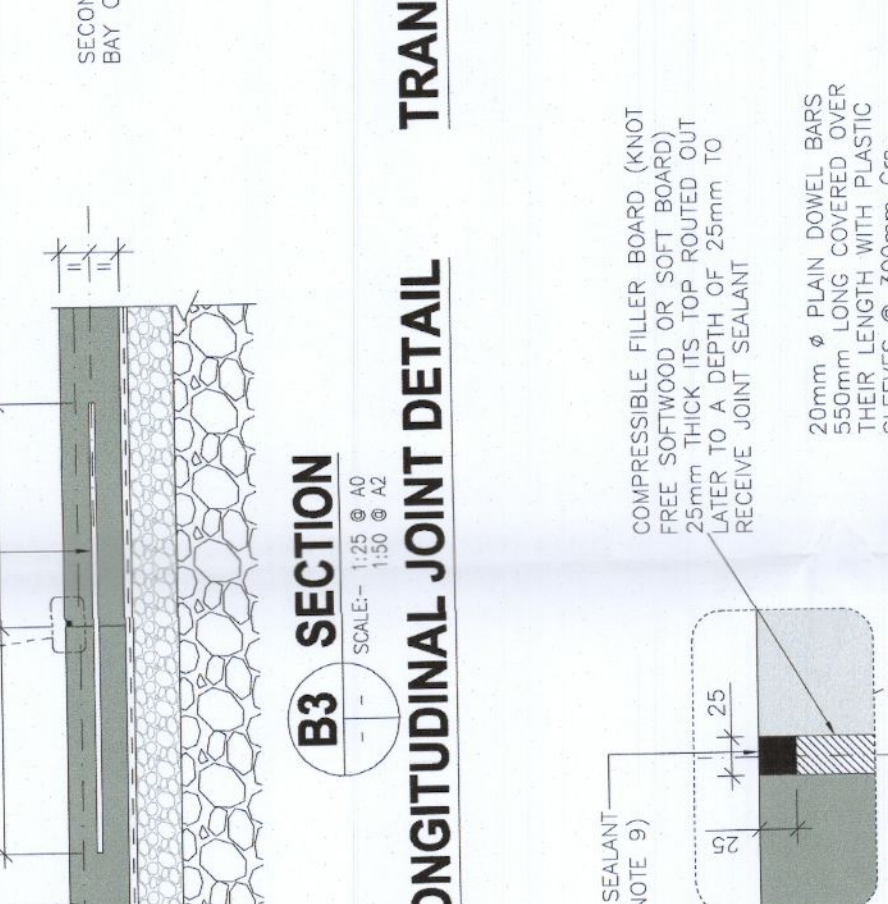


17. DETAIL 'B' - RIGID ROADWAY / HARDSTANDING
CONCRETE (60mm THICK) OR CLAY (60mm THICK) BLOCK PAVERS (SEE NOTE 1) ON 100mm LEAN MIX CONCRETE (SEE NOTE 1) ON 150mm MIN. THICK CARPING LAYER (SEE NOTE 4) ON SUBGRADE TO GIVE 300mm TOTAL SUB-BASE THICKNESS.

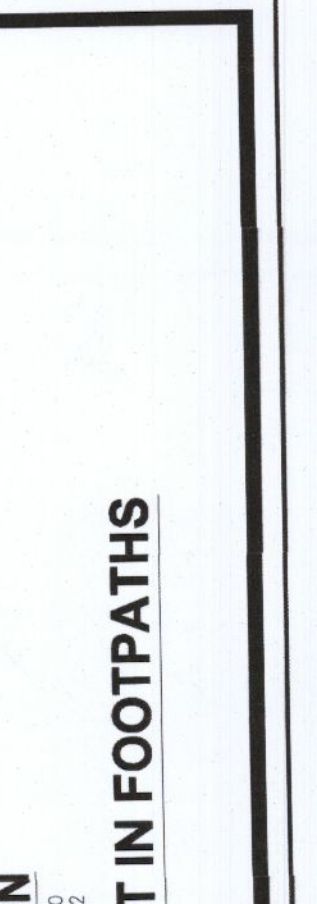
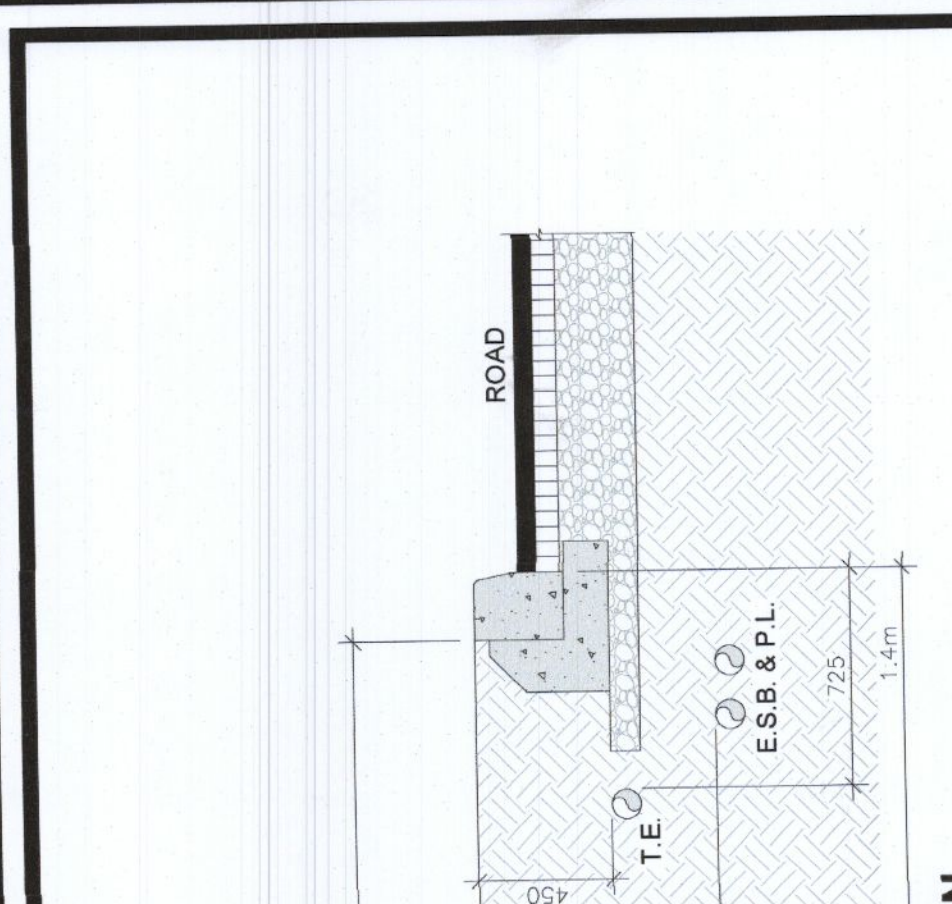
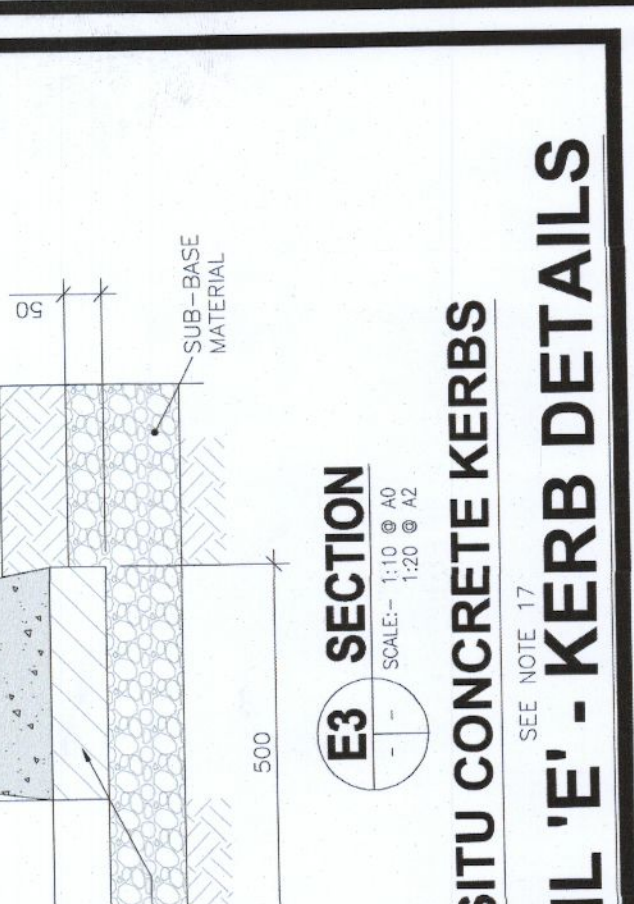
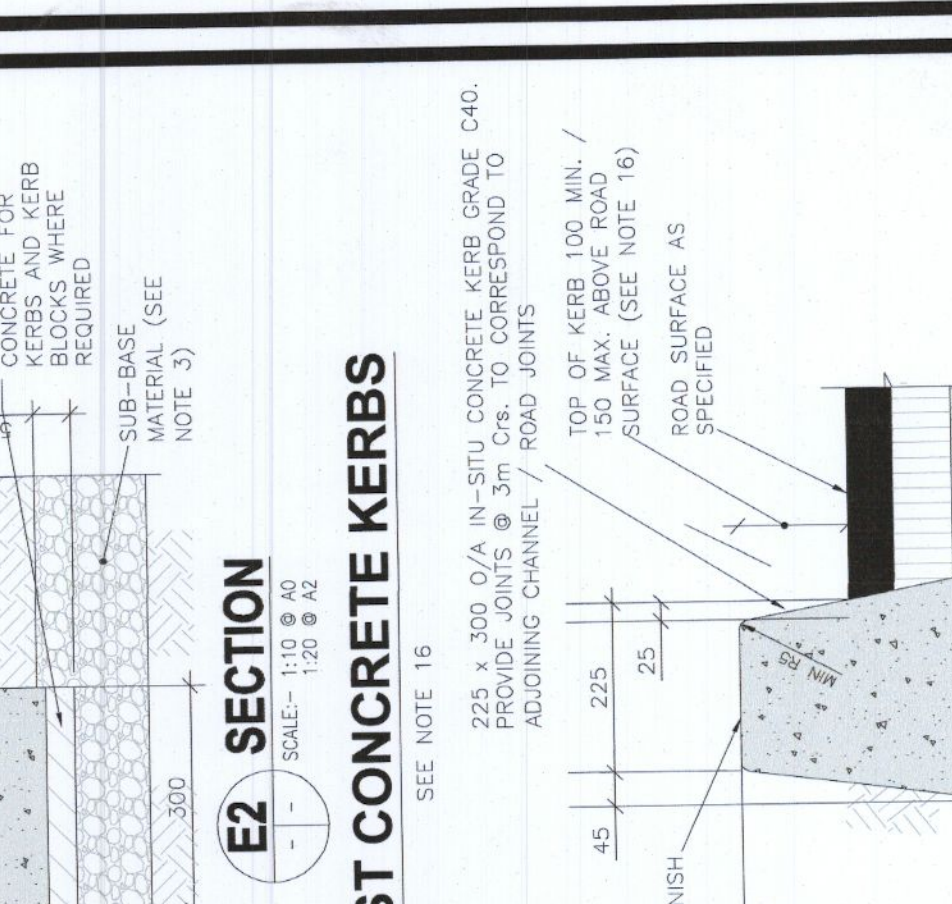
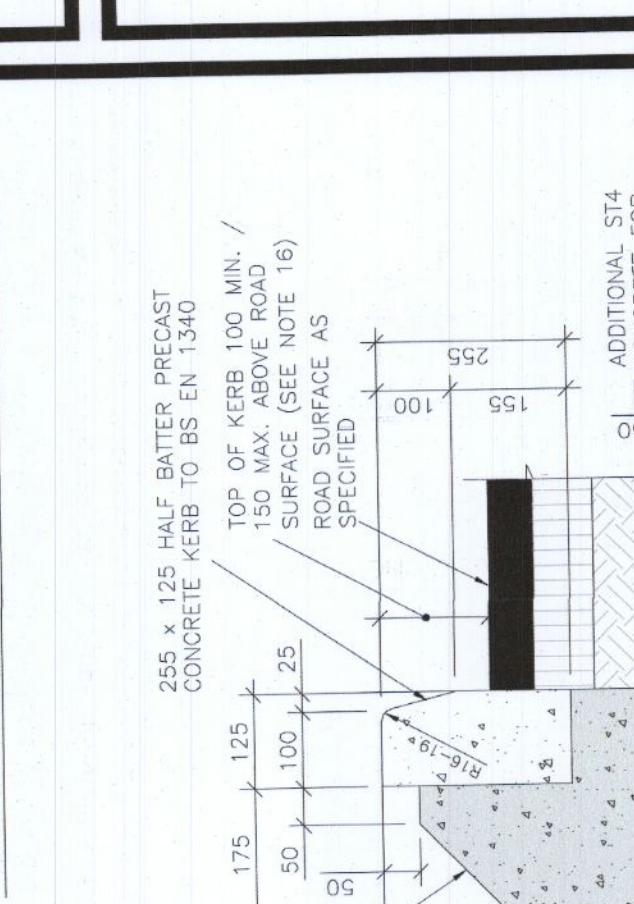
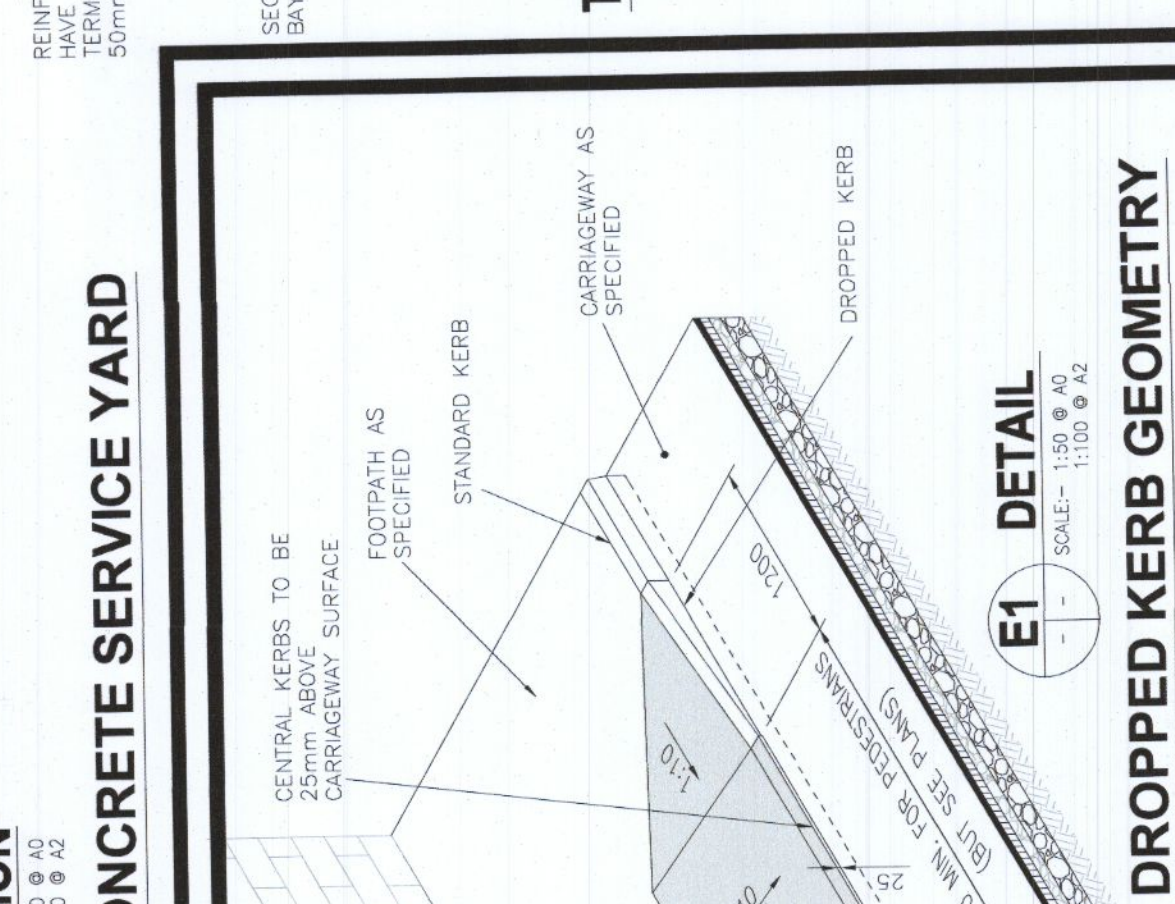
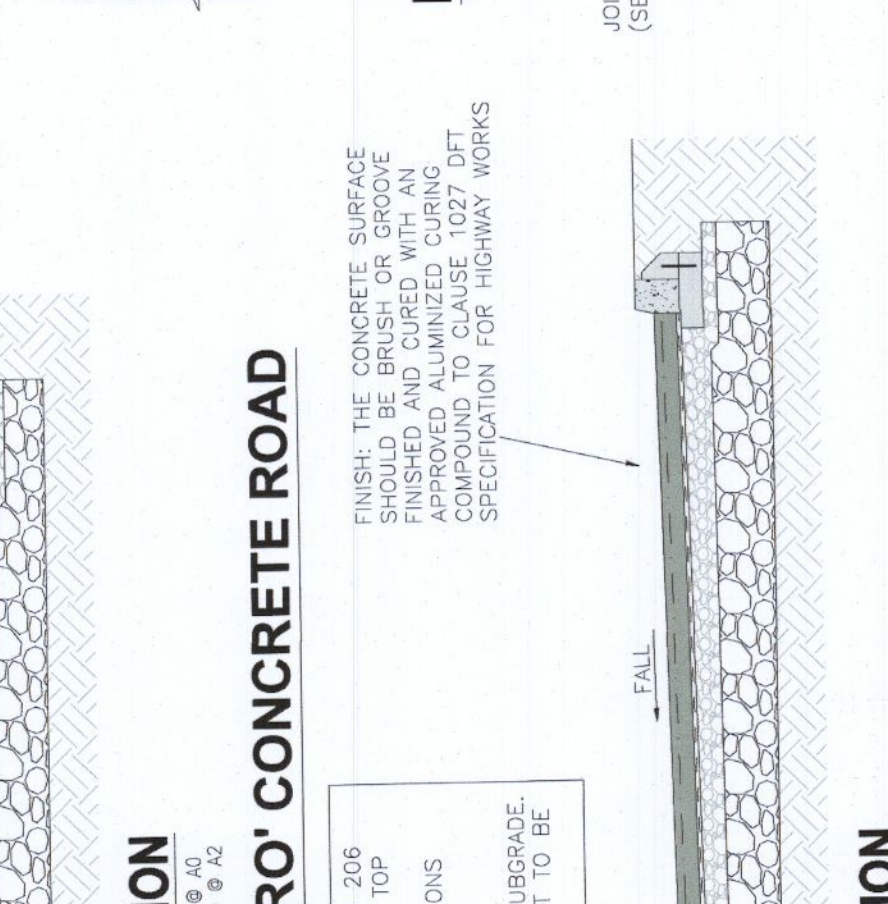
18. DETAIL 'C' - BLOCK PAVEMENT ROADWAY / HARDSTANDING
CONCRETE (60mm THICK) OR CLAY (60mm THICK) BLOCK PAVERS (SEE NOTE 1) ON 100mm LEAN MIX CONCRETE (SEE NOTE 1) ON 150mm MIN. THICK CARPING LAYER (SEE NOTE 4) ON SUBGRADE TO GIVE 300mm TOTAL SUB-BASE THICKNESS.



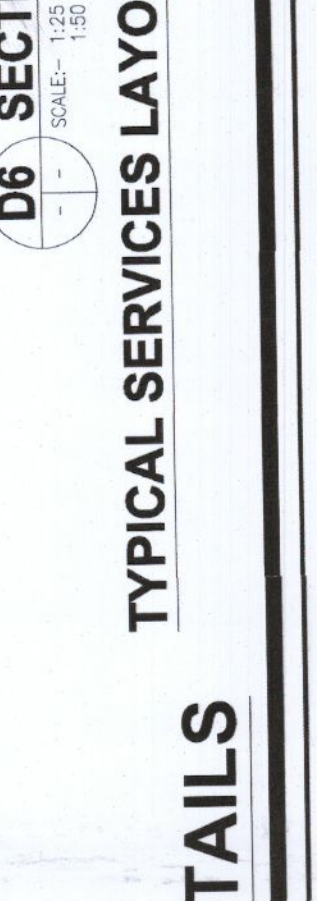
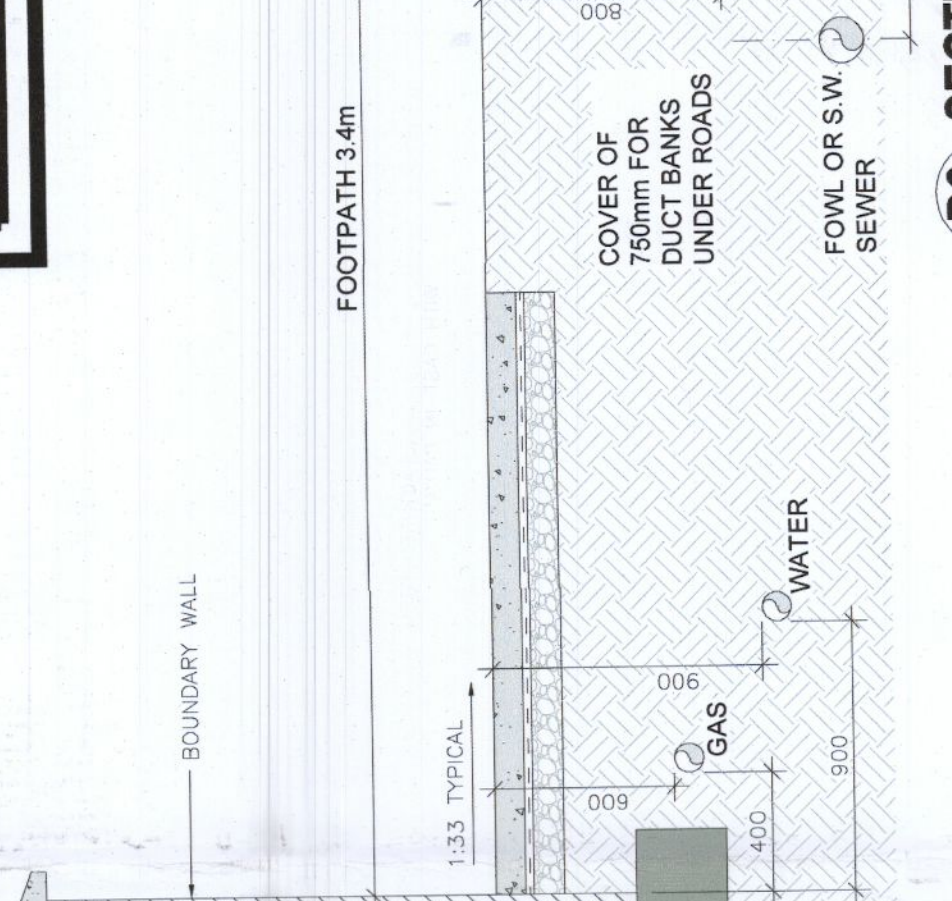
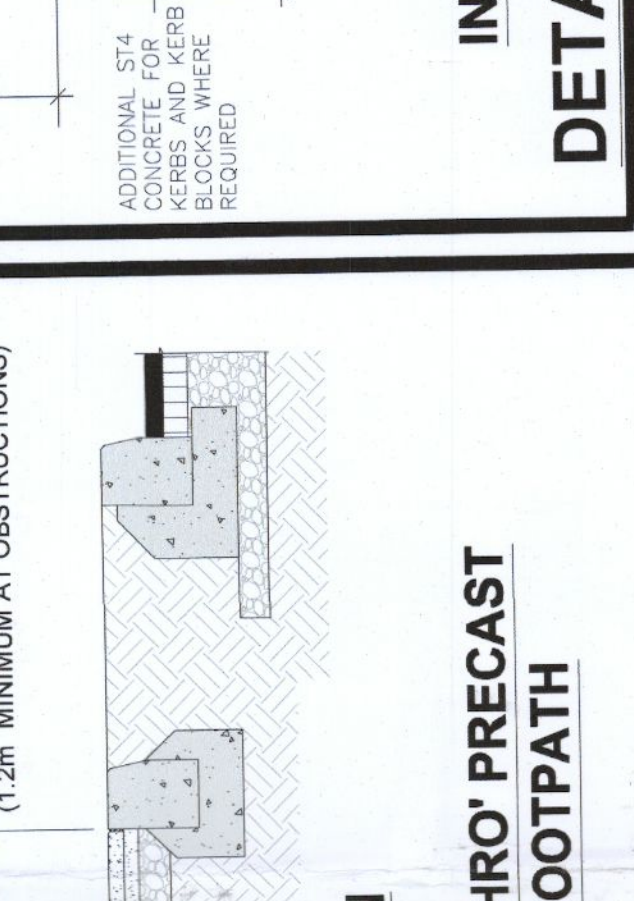
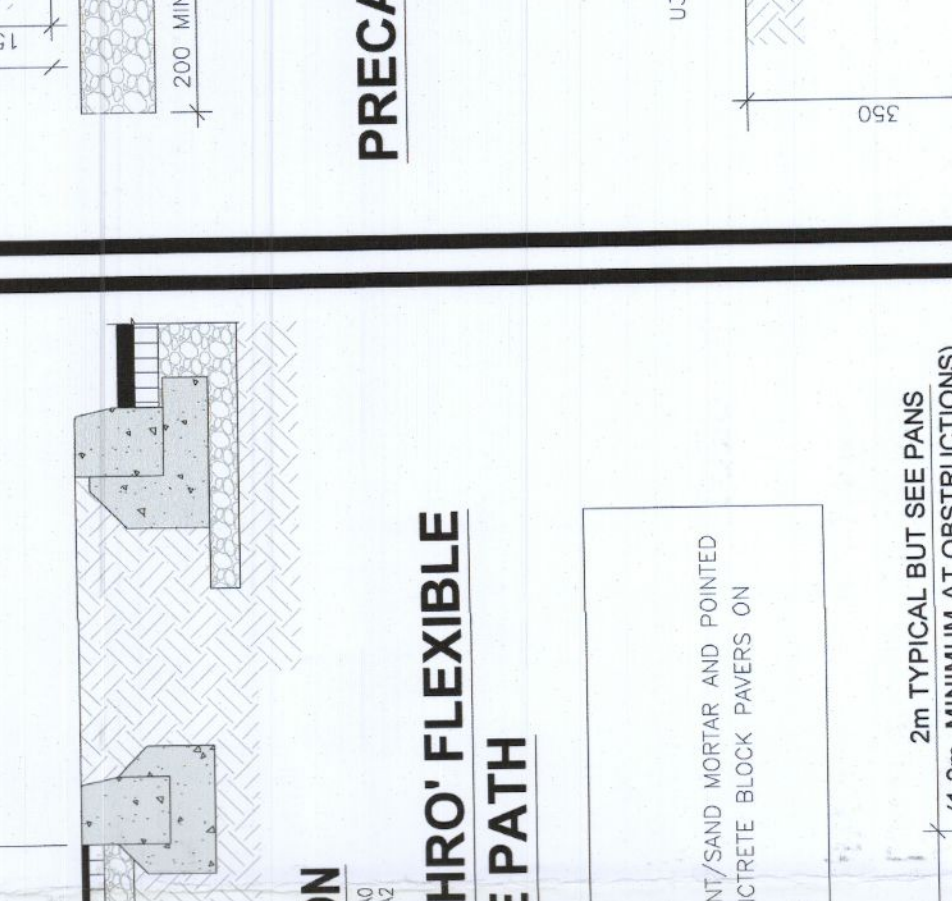
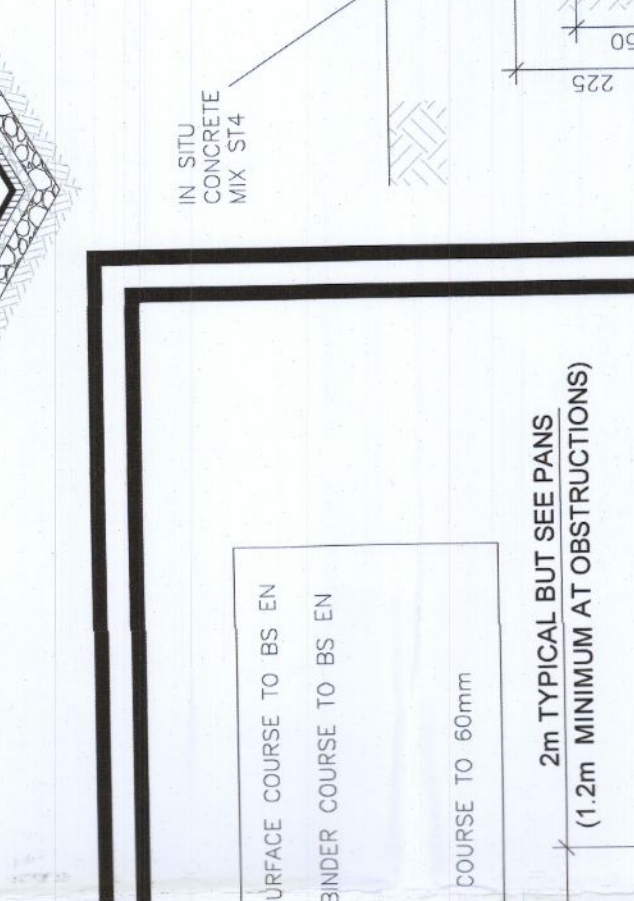
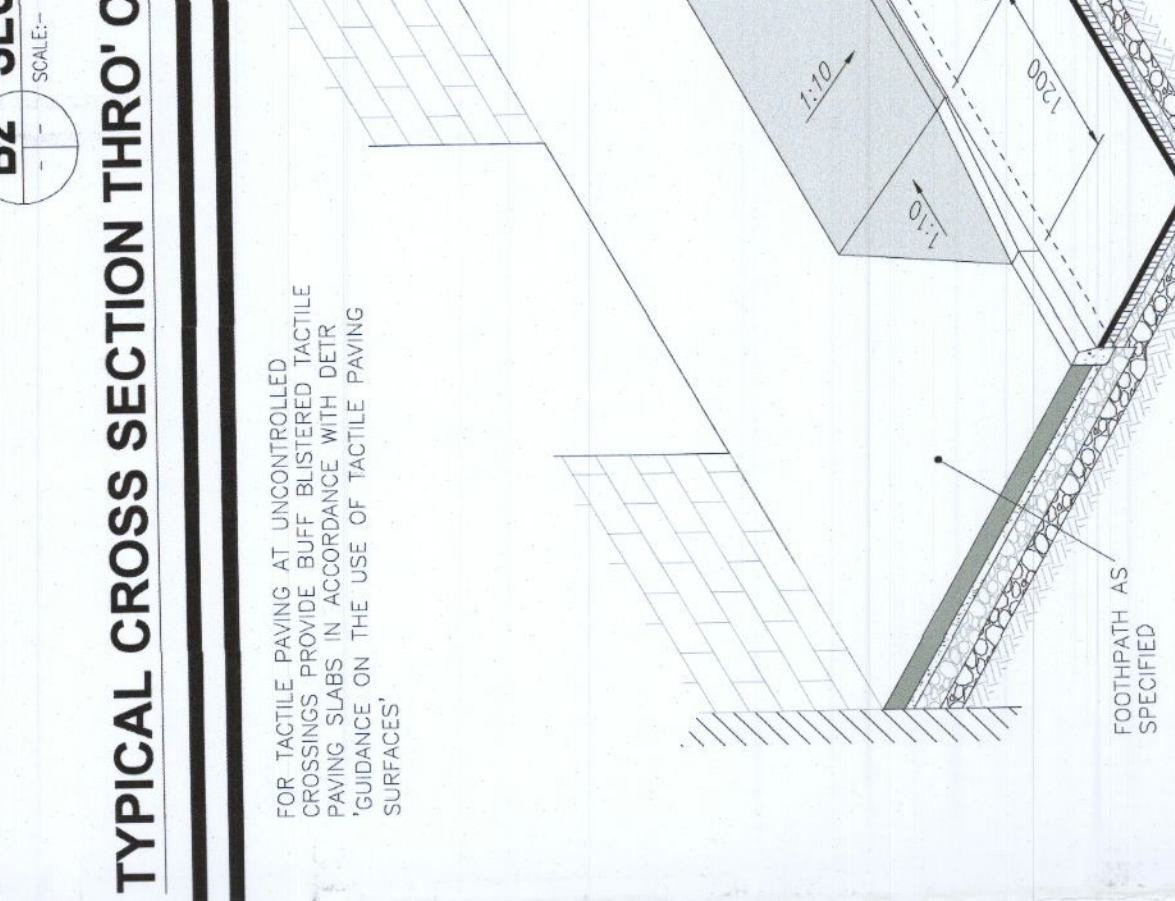
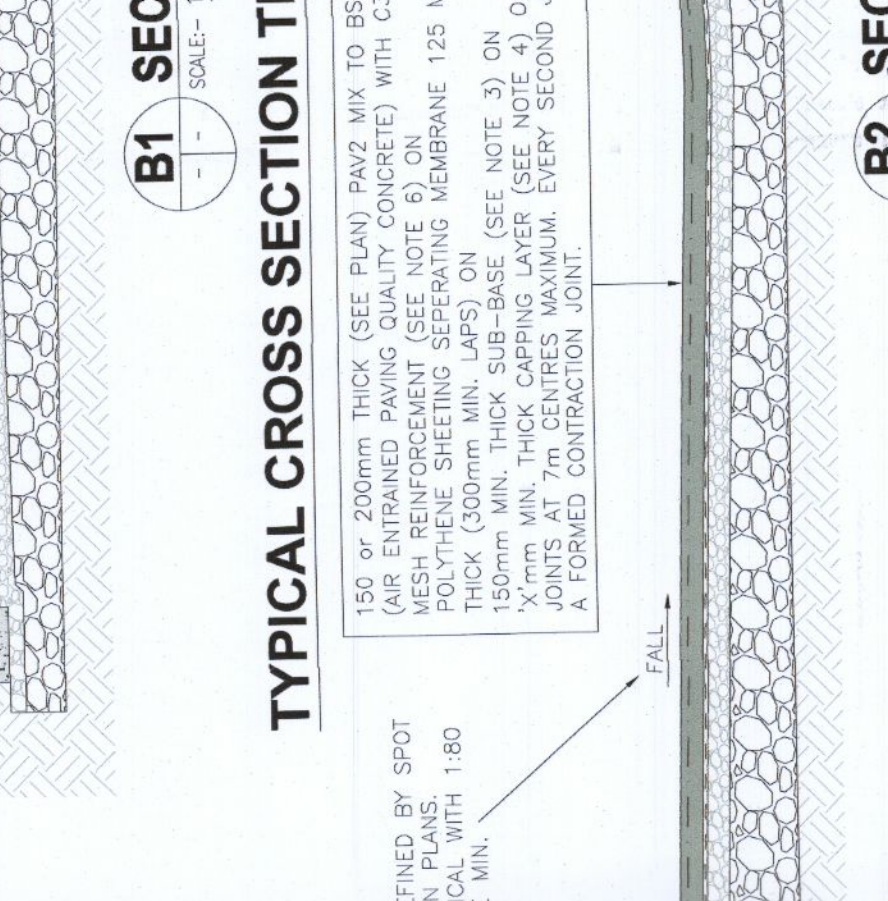
19. DETAIL 'D' - FOOTPATH DETAILS
TYPICAL CROSS SECTION THRO' LOCAL DISTRIBUTOR ROAD
CONCRETE (60mm THICK) OR CLAY (60mm THICK) BLOCK PAVERS (SEE NOTE 1) ON 100mm LEAN MIX CONCRETE (SEE NOTE 1) ON 150mm MIN. THICK CARPING LAYER (SEE NOTE 4) ON SUBGRADE TO GIVE 300mm TOTAL SUB-BASE THICKNESS.



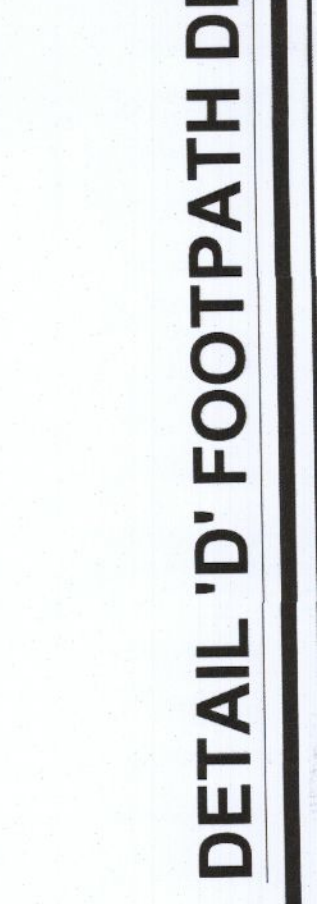
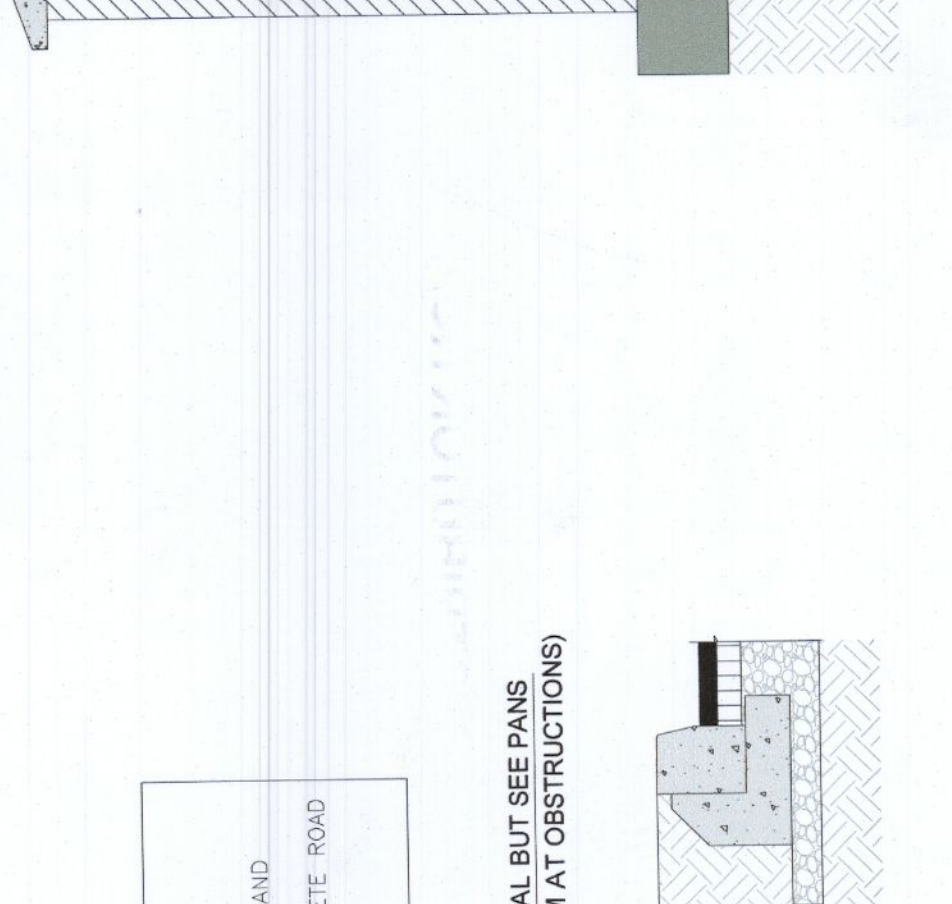
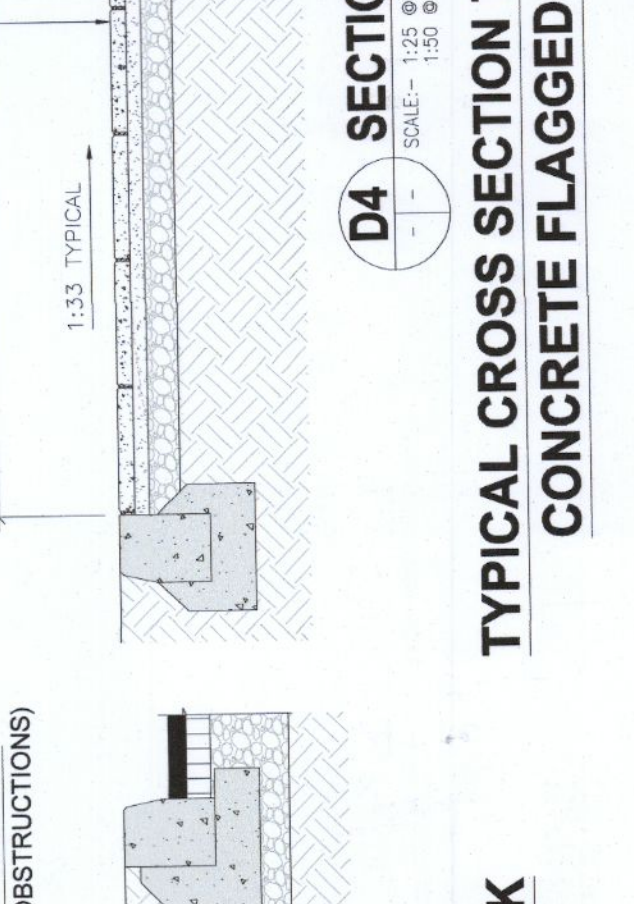
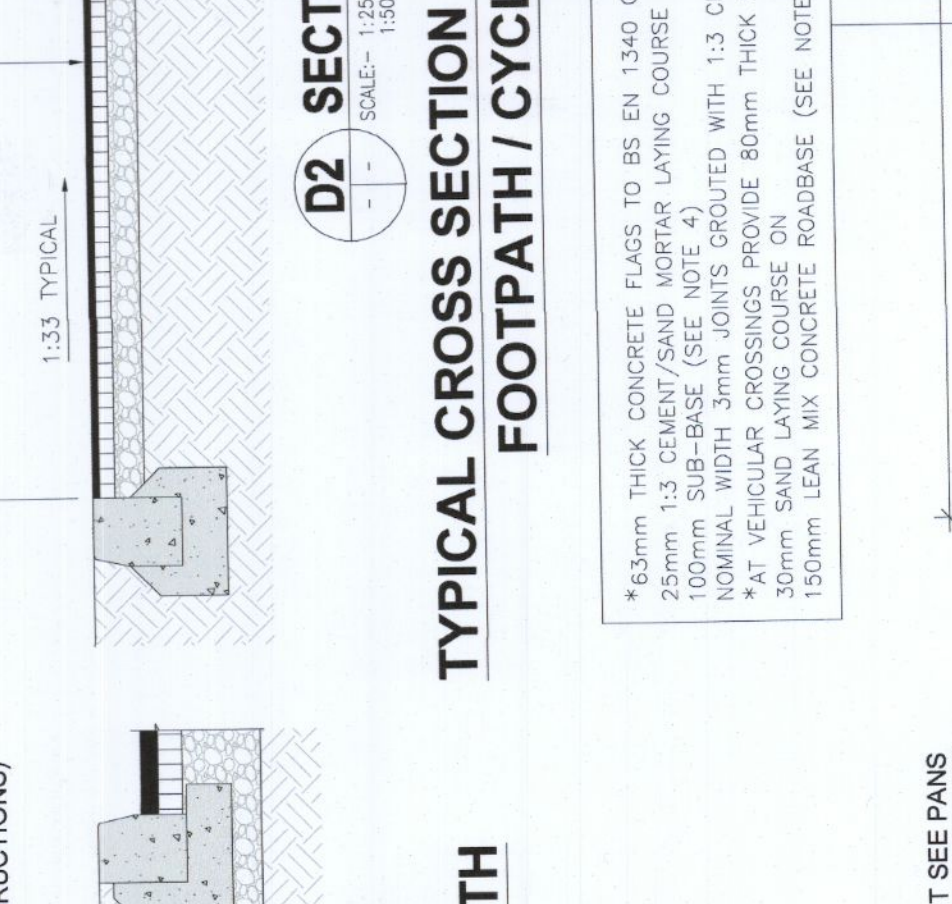
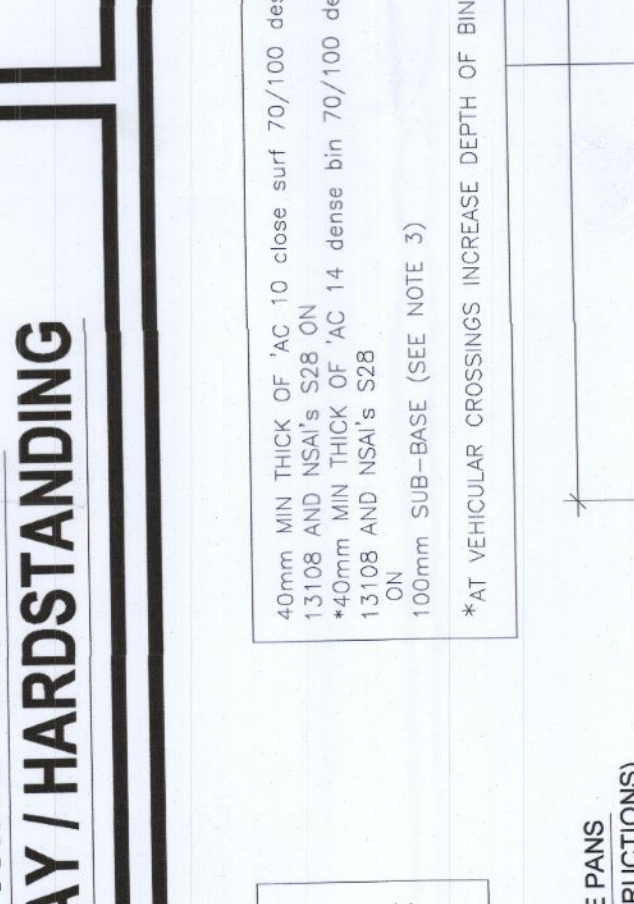
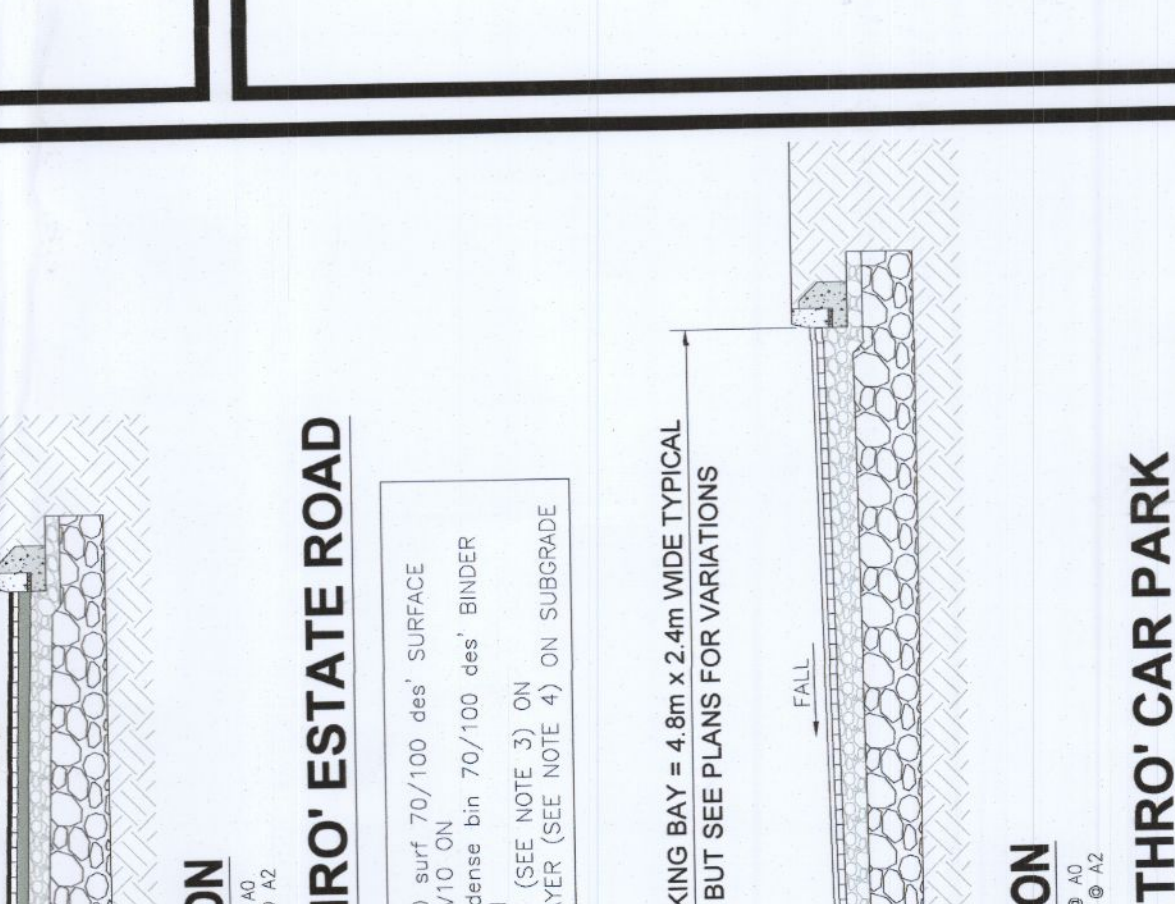
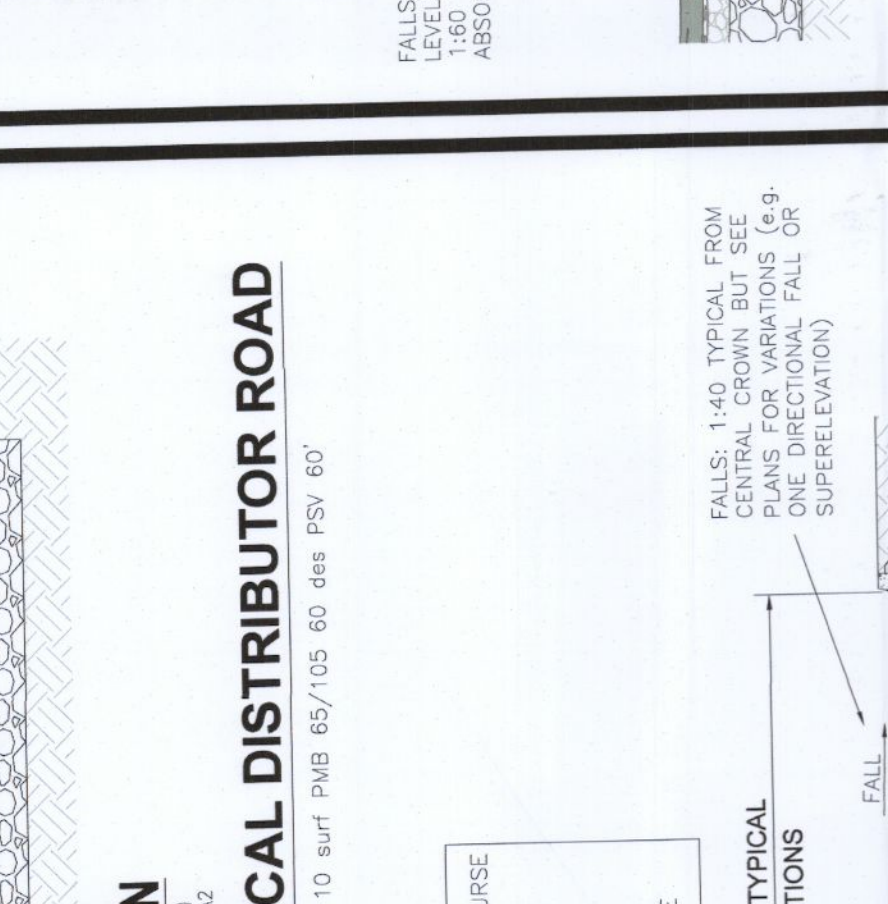
20. DETAIL 'E' - ROADWAY / HARDSTANDING DETAILS
TYPICAL CROSS SECTION THRO' CONCRETE ROAD
CONCRETE (60mm THICK) OR CLAY (60mm THICK) BLOCK PAVERS (SEE NOTE 1) ON 100mm LEAN MIX CONCRETE (SEE NOTE 1) ON 150mm MIN. THICK CARPING LAYER (SEE NOTE 4) ON SUBGRADE TO GIVE 300mm TOTAL SUB-BASE THICKNESS.



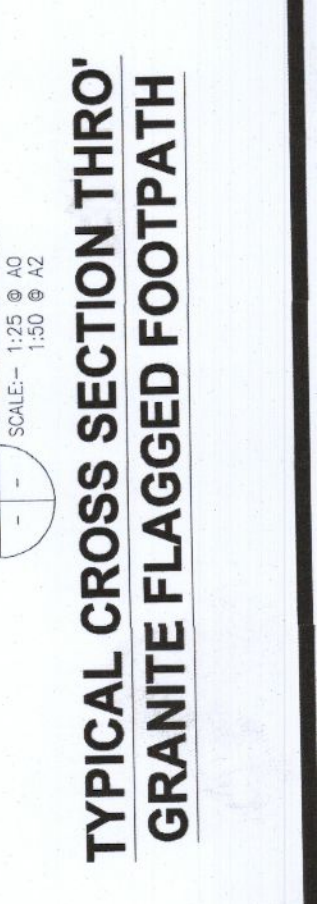
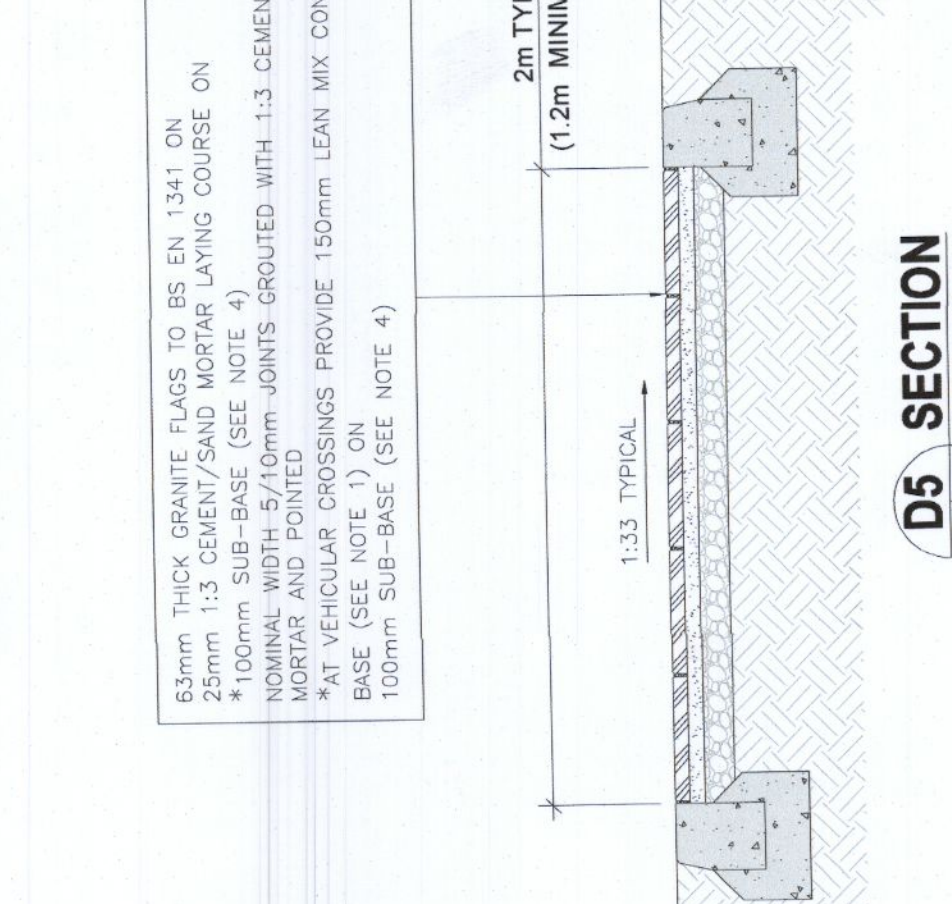
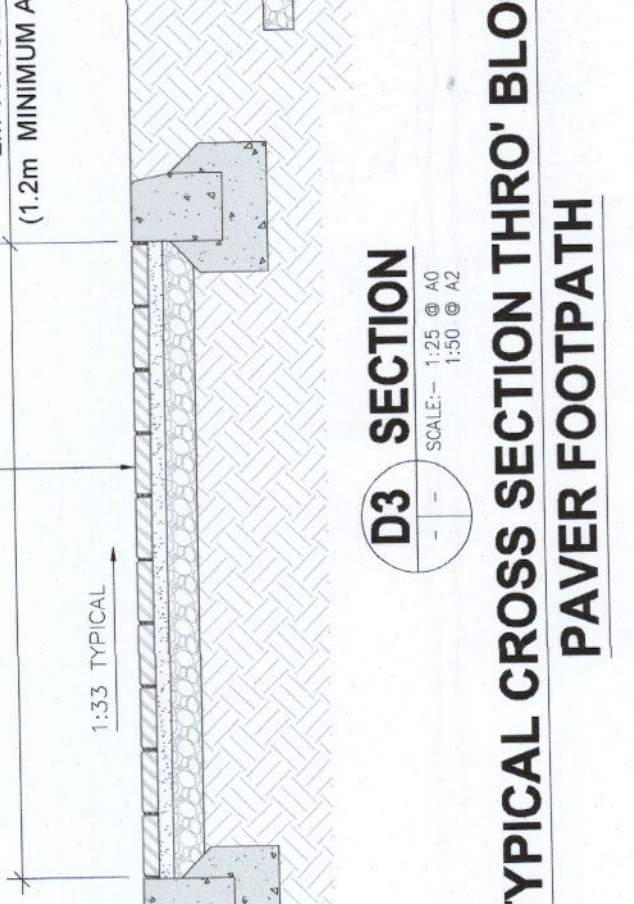
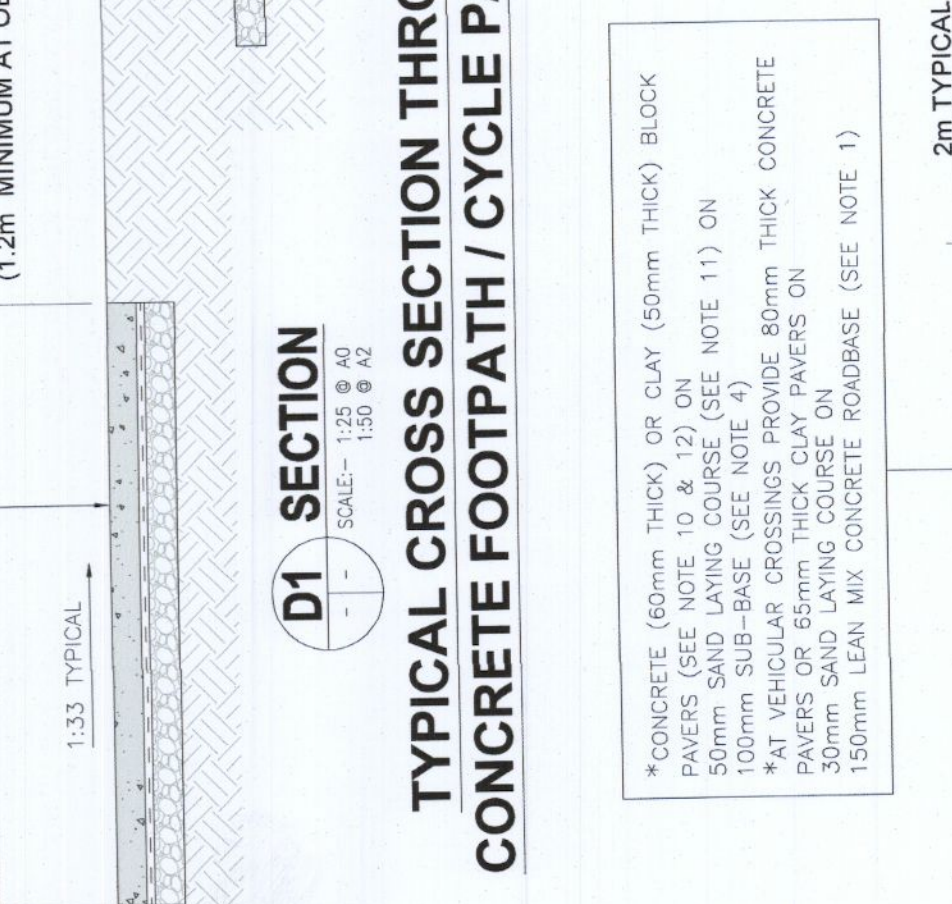
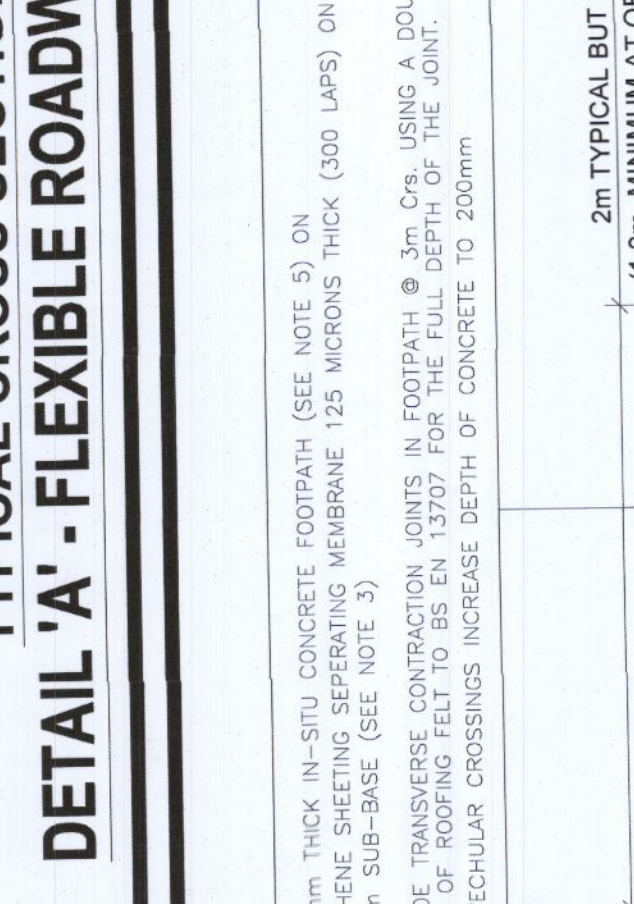
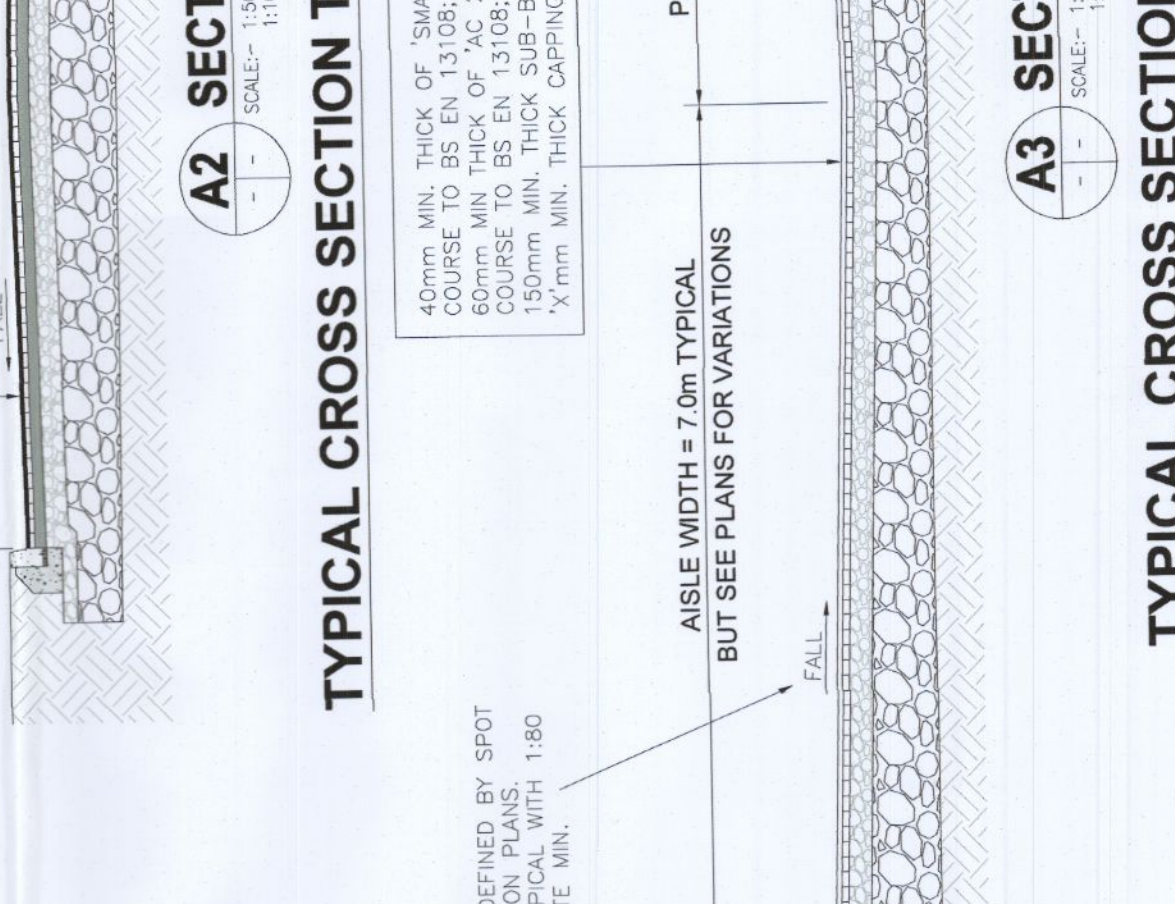
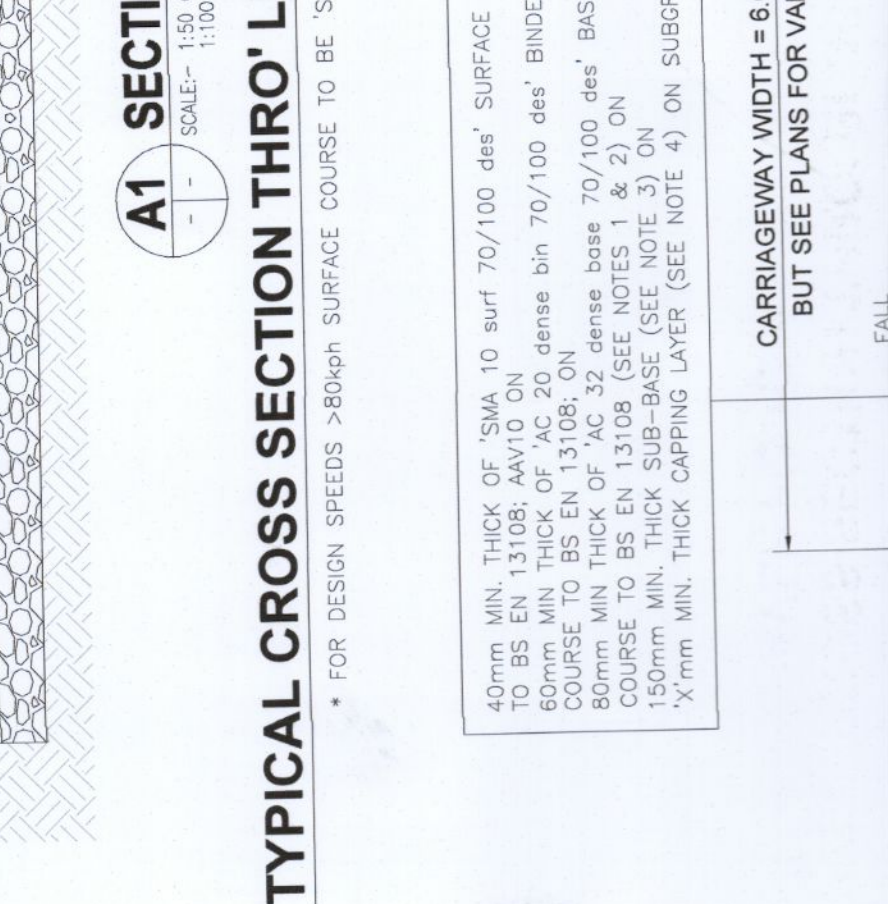
21. DETAIL 'F' - ROADWAY / HARDSTANDING DETAILS
TYPICAL CROSS SECTION THRO' PRECAST CONCRETE ROADWAY / HARDSTANDING
CONCRETE (60mm THICK) OR CLAY (60mm THICK) BLOCK PAVERS (SEE NOTE 1) ON 100mm LEAN MIX CONCRETE (SEE NOTE 1) ON 150mm MIN. THICK CARPING LAYER (SEE NOTE 4) ON SUBGRADE TO GIVE 300mm TOTAL SUB-BASE THICKNESS.



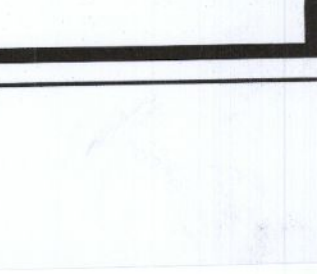
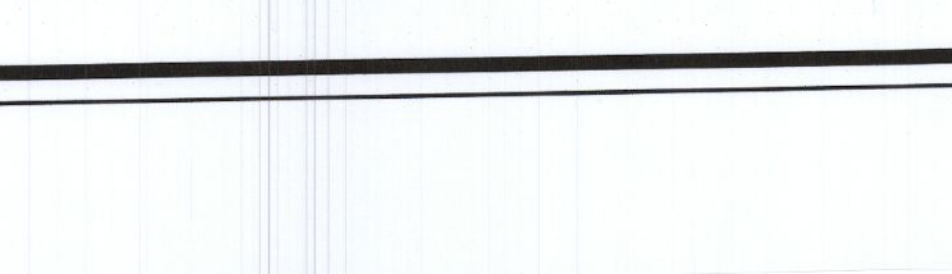
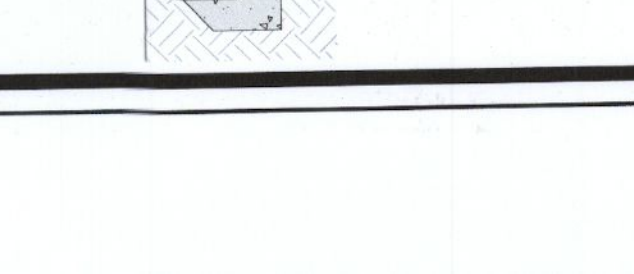
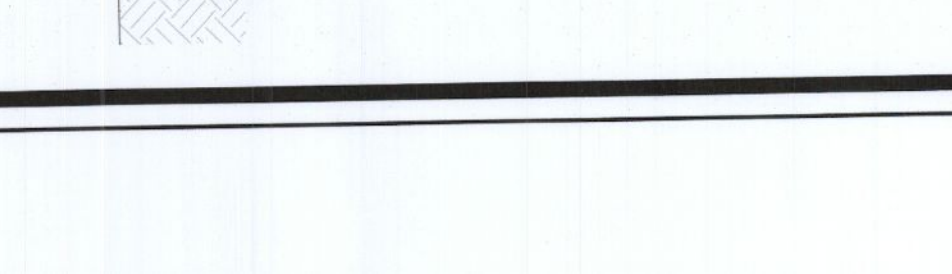
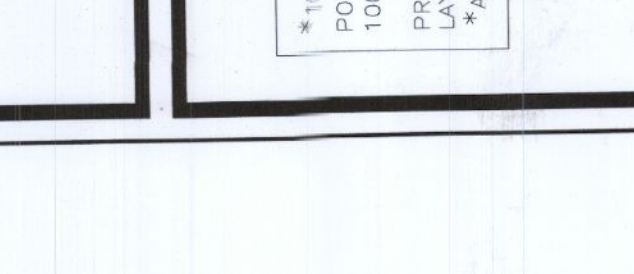
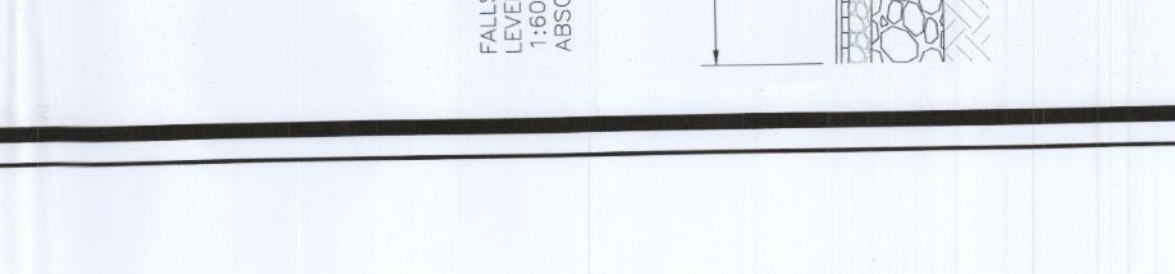
22. DETAIL 'G' - ROADWAY / HARDSTANDING DETAILS
TYPICAL CROSS SECTION THRO' RIGID ROADWAY / HARDSTANDING
CONCRETE (60mm THICK) OR CLAY (60mm THICK) BLOCK PAVERS (SEE NOTE 1) ON 100mm LEAN MIX CONCRETE (SEE NOTE 1) ON 150mm MIN. THICK CARPING LAYER (SEE NOTE 4) ON SUBGRADE TO GIVE 300mm TOTAL SUB-BASE THICKNESS.



23. DETAIL 'H' - ROADWAY / HARDSTANDING DETAILS
TYPICAL CROSS SECTION THRO' FLEXIBLE ROADWAY / HARDSTANDING
CONCRETE (60mm THICK) OR CLAY (60mm THICK) BLOCK PAVERS (SEE NOTE 1) ON 100mm LEAN MIX CONCRETE (SEE NOTE 1) ON 150mm MIN. THICK CARPING LAYER (SEE NOTE 4) ON SUBGRADE TO GIVE 300mm TOTAL SUB-BASE THICKNESS.



24. DETAIL 'I' - ROADWAY / HARDSTANDING DETAILS
TYPICAL CROSS SECTION THRO' PRECAST CONCRETE ROADWAY / HARDSTANDING
CONCRETE (60mm THICK) OR CLAY (60mm THICK) BLOCK PAVERS (SEE NOTE 1) ON 100mm LEAN MIX CONCRETE (SEE NOTE 1) ON 150mm MIN. THICK CARPING LAYER (SEE NOTE 4) ON SUBGRADE TO GIVE 300mm TOTAL SUB-BASE THICKNESS.



25. DETAIL 'J' - ROADWAY / HARDSTANDING DETAILS
TYPICAL CROSS SECTION THRO' LINEAR DRAINAGE CHANNEL IN FLEXIBLE ROADWAY / HARDSTANDING
FOR CONCRETE SLAB (WITH OR WITHOUT CURBS) ON FLEXIBLE ROADWAY (WITHOUT CURBS) AS SPECIFIED ON PLAN (SEE NOTE 13).



26. DETAIL 'K' - ROADWAY / HARDSTANDING DETAILS
TYPICAL CROSS SECTION THRO' LINEAR DRAINAGE CHANNEL IN CONCRETE ROADWAY / HARDSTANDING
FOR CONCRETE SLAB (WITH OR WITHOUT CURBS) ON CONCRETE ROADWAY (WITH CURBS) AS SPECIFIED ON PLAN (SEE NOTE 13).



27. DETAIL 'L' - ROADWAY / HARDSTANDING DETAILS
TYPICAL CROSS SECTION THRO' LINEAR DRAINAGE CHANNEL IN BLOCK PAVEMENT ROADWAY / HARDSTANDING
FOR CONCRETE SLAB (WITH OR WITHOUT CURBS) ON BLOCK PAVEMENT ROADWAY (WITH CURBS) AS SPECIFIED ON PLAN (SEE NOTE 13).



28. DETAIL 'M' - ROADWAY / HARDSTANDING DETAILS
TYPICAL CROSS SECTION THRO' LINEAR DRAINAGE CHANNEL IN BLOCK PAVEMENT ROADWAY / HARDSTANDING
FOR CONCRETE SLAB (WITH OR WITHOUT CURBS) ON BLOCK PAVEMENT ROADWAY (WITH CURBS) AS SPECIFIED ON PLAN (SEE NOTE 13).



29. DETAIL 'N' - ROADWAY / HARDSTANDING DETAILS
TYPICAL CROSS SECTION THRO' LINEAR DRAINAGE CHANNEL IN BLOCK PAVEMENT ROADWAY / HARDSTANDING
FOR CONCRETE SLAB (WITH OR WITHOUT CURBS) ON BLOCK PAVEMENT ROADWAY (WITH CURBS) AS SPECIFIED ON PLAN (SEE NOTE 13).



30. DETAIL 'O' - ROADWAY / HARDSTANDING DETAILS
TYPICAL CROSS SECTION THRO' LINEAR DRAINAGE CHANNEL IN BLOCK PAVEMENT ROADWAY / HARDSTANDING
FOR CONCRETE SLAB (WITH OR WITHOUT CURBS) ON BLOCK PAVEMENT ROADWAY (WITH CURBS) AS SPECIFIED ON PLAN (SEE NOTE 13).



31. DETAIL 'P' - ROADWAY / HARDSTANDING DETAILS
TYPICAL CROSS SECTION THRO' LINEAR DRAINAGE CHANNEL IN BLOCK PAVEMENT ROADWAY / HARDSTANDING
FOR CONCRETE SLAB (WITH OR WITHOUT CURBS) ON BLOCK PAVEMENT ROADWAY (WITH CURBS) AS SPECIFIED ON PLAN (SEE NOTE 13).



32. DETAIL 'Q' - ROADWAY / HARDSTANDING DETAILS
TYPICAL CROSS SECTION THRO' LINEAR DRAINAGE CHANNEL IN BLOCK PAVEMENT ROADWAY / HARDSTANDING
FOR CONCRETE SLAB (WITH OR WITHOUT CURBS) ON BLOCK PAVEMENT ROADWAY (WITH CURBS) AS SPECIFIED ON PLAN (SEE NOTE 13).



33. DETAIL 'R' - ROADWAY / HARDSTANDING DETAILS
TYPICAL CROSS SECTION THRO' LINEAR DRAINAGE CHANNEL IN BLOCK PAVEMENT ROADWAY / HARDSTANDING
FOR CONCRETE SLAB (WITH OR WITHOUT CURBS) ON BLOCK PAVEMENT ROADWAY (WITH CURBS) AS SPECIFIED ON PLAN (SEE NOTE 13).

