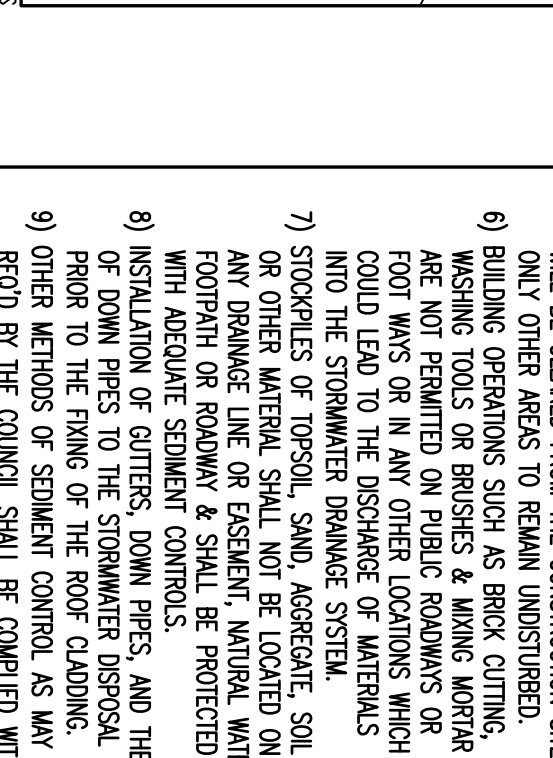
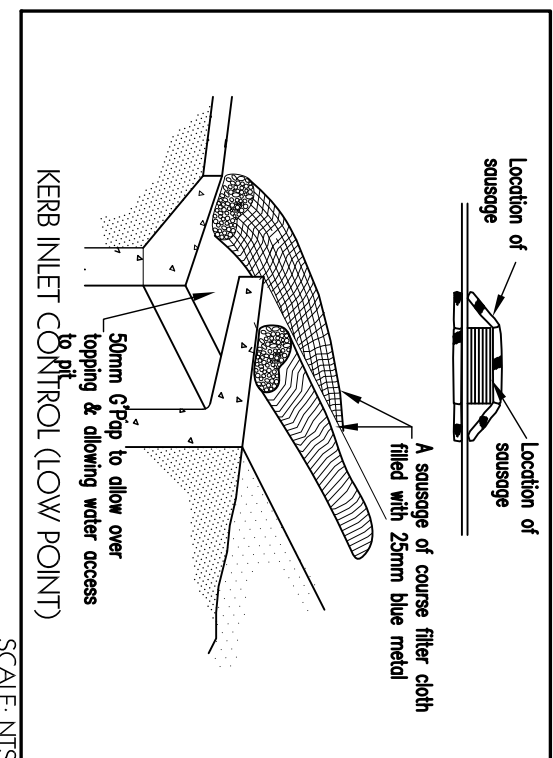
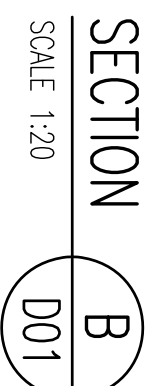
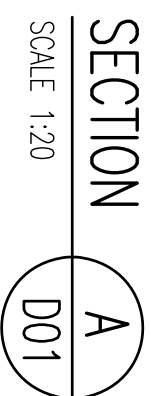




CALCULATION OF THE DEPTH AND THE WIDTH OF THE OVERLAND FLOW PATH	
Section B-B	
ASSUMED WIDTH OF FLOW PATH	0.75 m
ASSUMED DEPTH OF FLOW	0.2 m
CROSS SECTIONAL AREA OF FLOW	0.150 Sqm
WETTED PERIMETRE	1.15 m
HYDRAULIC RADIUS	0.139 m
ROUGHNESS COEFFICIENT (n)	0.013
CANAL SLOPE	0.0107 m/m
	0.31 Cum/s
AS THE DISCHARGE CAPACITY OF THE FLOW PATH IS GREATER THAN THE DISCHARGE CAPACITY OF THE FLOW OF CONSIDERATION, THE DEPTH OF FLOW ASSUMED CAN BE CONSIDERED AS THE MAXIMUM DEPTH OF 1 IN 100YR. STORM	
1/10 Ffactor	0.41 mil/sec



PIT SCHEDULE				
6345 Redfern Str., Wvbk.				
PIT/ NODE	DEPTH	COVER SIZE	TYPE OF NODE / PIT COVER	
	m	mm x mm (Min)		
DP1	0.58	-	JUNCTION ONLY	
P1A	1.06	600x300	HEAVY DUTY TRAFFICABLE GRATE	
J1	1.32	-	JUNCTION ONLY	
GD	0.58	300x200d	GRADED DRAIN	
PEX1IA	0.75	AS EXISTING	HEAVY DUTY TRAFFICABLE GRATE	
PEX1T	1.24	AS EXISTING	HEAVY DUTY TRAFFICABLE GRATE	
P1	0.51	600x300	HEAVY DUTY TRAFFICABLE GRATE	
P2	1.18	600x300	HEAVY DUTY TRAFFICABLE GRATE	
P3	2.11	900x300	HEAVY DUTY TRAFFICABLE GRATE	
P4	0.95	600x300	HEAVY DUTY TRAFFICABLE GRATE	
P5	0.88	600x300	HEAVY DUTY TRAFFICABLE GRATE	
P6	1.04	600x300	HEAVY DUTY TRAFFICABLE GRATE	
P7	1.33	900x300	HEAVY DUTY TRAFFICABLE GRATE	
P8	1.56	900x300	HEAVY DUTY TRAFFICABLE GRATE	
E-1	0.75	150 dia (mm)	JUNCTION ONLY	
E-2	1.17	150 dia (mm)	JUNCTION ONLY	
P9	1.22	900x300	HEAVY DUTY TRAFFICABLE GRATE	
P10	1.30	900x300	HEAVY DUTY TRAFFICABLE GRATE	
P11	1.38	900x300	HEAVY DUTY TRAFFICABLE GRATE	
P12	0.58	600x300	HEAVY DUTY TRAFFICABLE GRATE	
PEX13	1.38	AS EXISTING	LIGHT DUTY TRAFFICABLE GRATE	

SOIL CONSERVATION NOTES

- A.1) PRIOR TO ANY CLEANING OR EXCAVATION AT THE PROJECT SITE, A TEMPORARY SEDIMENT RUN-OUT STRUCTURE SHALL BE LAID OUT AND CONSTRUCTED TO PREVENT ANY EROSION OR SEDIMENT GENERATED FROM THE SITE.
- A.2) PROVIDE SEDIMENT FENCE AS SHOWN ON PLAN.
- A.3) PROVIDE TEMPORARY CONSTRUCTION DITCH TO PREVENT TRANSMISSION OF SOIL FROM ROAD TIES TO PUBLIC ROADS AND DRAINAGE.
- A.4) DO NOT EXPOSE THE SOIL (TOP SURFACE REEXPOSURE) IMMEDIATELY BEFORE STARTING THE SITE OF DRAIN, SLASH OR GRAZE. THE SITE WHERE VEGETATION GROWTH IS DONE WHERE POSSIBLE, DO NOT EXCEED 10% DISTURBANCE.
- A.5) PROVIDE TEMPORARY SEDIMENT FENCE TO PREVENT THE LOSS OF ANY ESSENTIAL CONSTRUCTION ACTIVITY.
- A.6) A VEHICLE WHEEL WASH, CARTE GRAT, FINE SHOWER OR OTHER APPROPRIATE DEVICE, SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF ANY SITE WORK OR ACTIVITIES.
- A.7) PROVIDE TEMPORARY SEDIMENT FENCE TO PREVENT SEDIMENT DEPOSITED ON THE STREET.

B. DURING CONSTRUCTION

- B.1) STATION PROTECTION BESSING ABOVE SHALL BE MAINTAINED DURING THE COURSE OF CONSTRUCTION.
- B.2) NEWLY CONSTRUCTED PITS SHALL BE PROTECTED FROM ANY SEDIMENT ENTRY.
- B.3) ONCE IN PLACE, NO STATION PROTECTION SHALL BE REMOVED WITHOUT DIRECTION APPROVAL.
- B.4) STATION PROTECTION SHALL BE MAINTAINED CLEAR AND REPAIR/REPLACE AS REQUIRED.
- B.5) VEGETATION AND/OR EXISTING BUILDING STRUCTURES WILL BE CLEARED FROM THE CONSTRUCTION SITE.
- B.6) ONCE ROAD PILES TO REMAIN UNDISTURBED, EXISTING OTHER ROADS OR BRIGES & LANEWAYS MUST NOT BE PENETRATED ON PUBLIC ROADS OR ROADS OR IN ANY OTHER LOCATIONS WHICH COULD LEAD TO THE DEGRADATION OF THEMSELVES.
- B.7) STOCKPILES OF TOPSOIL, SAND, AGGREGATE, SILL OR OTHER MATERIAL SHALL NOT BE LOADED ON ANY DRAINAGE LINE OR EXHAUST, NATURAL WATERCOURSE, TOWNSHIP OR DRAINAGE & SHALL BE PROTECTED.
- B.8) INSTALLATION OF CUTTERS, DOWN PILES, AND THE CONNECTION PRIOR TO THE FILING OF THE ROAD CROWN.
- B.9) OTHER METHODS OF SEDIMENT CONTROL, AS MAY BE REQUIRED BY THE COUNCIL, SHALL BE CONSIDERED WITH:

LEGEND:

☒ EXISTING CONTOUR
 $\frac{772}{772}$ PROPOSED DESIGN CONTOUR
 $\odot \frac{772}{772}$ PROPOSED DESIGN LEVEL
 $\times \frac{777}{777}$ EXISTING LEVEL
 FL FINISHED FLOOR LEVEL
 SL SURFACE LEVEL OF PIT
 IL INVERT LEVEL
 RL REDUCED LEVEL
 $\text{PIT}22\ldots$ PITS OR SHALLOW
 OP DOWN PIPES
 $\bigcirc \text{E}$ INSPECTION PIT
 --- PROPOSED STORMWATER PIPE LINE
 --- EXISTING STORMWATER PIPE LINE
 --- SEWER PIPE LINE
 --- EXISTING STORMWATER DRAINAGE PIT WITH GRATE
 --- PROP. STORMWATER DRAINAGE PIT WITH GRATE
 --- PROPOSED SUSPENDED STORMWATER PIPE LINE
☒ PROP. STORMWATER DRAINAGE PIT WITH CONCRETE LID
 PIT DIRECTION OF FLOW
 PIT SIZE
 PIT DIRECTION OF FLOW
☒ EXIST. STORMWATER DRAINAGE PIT WITH CONCRETE LID

ASSOCIATED DRAINAGES:

DOI - STORMWATER DRAINAGE PLAN