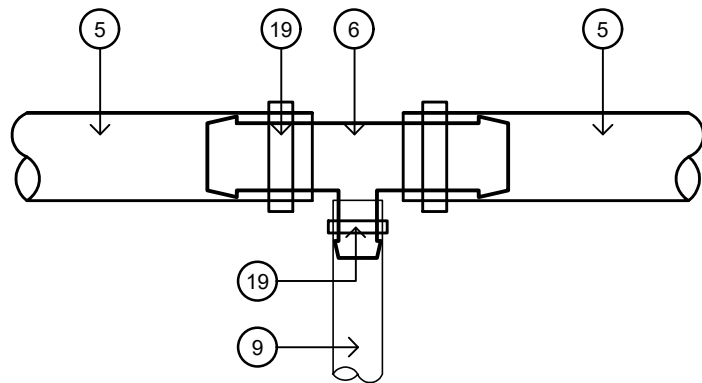
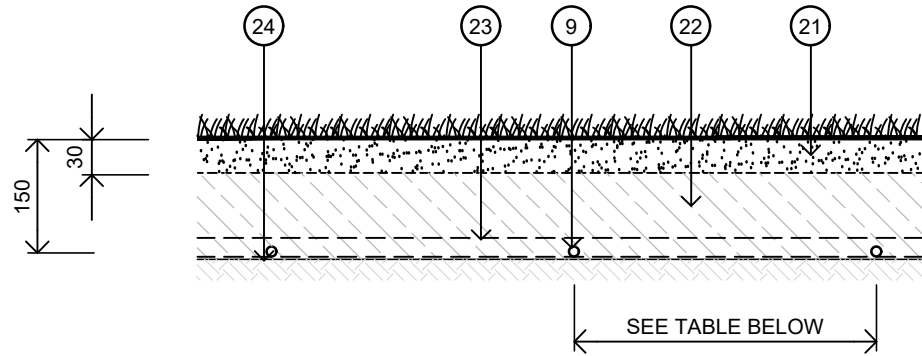


PLAN VIEW  
1 : 20 @ A3



DETAIL 'A'  
1 : 2 @ A3



SECTION VIEW TYPICAL SUB SURFACE IRRIGATION  
1 : 10 @ A3

SOIL TYPE	LATERAL SPACING	EMITTER SPACING	FLOW RATE
CLAY	0.5M	0.5M	1.6L/HR
LOAM	0.4M	0.4M	1.6L/HR
SANDY	0.3M	0.3M	1.6L/HR

LATERAL & EMITTER SPACING TABLE

GENERAL NOTES:

- ALL TECH LINES SHALL BE INSTALLED TO THE MANUFACTURER'S SPECIFICATIONS.
- REFER TO MANUFACTURER'S RECOMMENDATIONS REGARDING DRIPLINE LAYOUT WHEN SITE EXHIBITS A SLOPE GREATER THAN 3%.
- ALL SUB-SURFACE IRRIGATION SYSTEMS TO EXHIBIT A FLUSHING VALVE AT LOW POINT AND AIR RELIEF VALVE AT HIGH POINT UNLESS INDICATED OTHERWISE ON THE PROJECT DRAWINGS.
- IF A TREE IS PLACED WITHIN A TURF AREA, THE IRRIGATION TO BE ALLOCATED TO A SEPARATE VALVE ASSEMBLY. TURF VALVES ARE NOT TO IRRIGATE TREES UNLESS ADVISED OTHERWISE BY COA IRRIGATION TECHNICAL OFFICER.
- HEADER & FLUSH PIPEWORK CAN EITHER BY PVC OR LDPE MATERIAL.
- ALL JOINTS TO BE CLIPPED WITH STAINLESS STEEL 'COBRA' TYPE FITTINGS TO BARBED END FITTINGS.
- LDPE SHALL CONFORM TO AS2698
- 13, 19, 25 AND 32mm PIPE SIZES ONLY TO BE USED.
- ALL TURF AREA TECH LINES TO BE LAID 150mm BELOW FINISH SURFACE LEVEL AND 400mm SPACINGS, UNO.
- THE CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE ALL DRAWINGS, SPECIFICATIONS AND OTHER INSTRUCTIONS. CONTRACTOR TO NOTIFY IN WRITING THE CITY OF ADELAIDE OF ANY DISCREPANCIES BETWEEN THE PROJECT DRAWINGS AND STANDARD DETAILS FOR CLARIFICATION PRIOR TO UNDERTAKING THE WORKS.

APPLICATION:

- PARK LANDS AND SQUARES WHERE SPECIFIED
- <4M ROADSIDE VERGES
- LIAISE WITH COA IRRIGATION TECHNICAL OFFICER ON EXTENT

KEYNOTE LEGEND


- PVC/HDPE MAINLINE OR SUB MAIN PIPE. REFER TO PLANS FOR PIPE TYPE & SIZE.
- LOCAL 25mm CONTROL VALVE - TURF
- 25mm VQA10 ISOLATION VALVE IN 150 SPOTTER BOX
- LOCAL 25mm CONTROL VALVE - TREE RINGS
- 25mm LDPE HEADER PIPE
- BARBED REDUCING LDPE TEE 25x13mm (DETAIL A)
- BARBED REDUCING LDPE ELBOW 25x13mm
- BARBED 25x25mm LDPE POLY TEE CONNECTOR
- 13mm NETAFIM TECHLINE AS XR AT 1.6L/HR AND LAID 150mm BELOW FINISHED LEVEL, UNO.
- 25mm LDPE PIPE WORK
- 32mm DZR ISOLATION BALL VALVE IN 250 SPOTTER BOX
- DEDICATED TREE RING IRRIGATION (REFER TO CoA 631)
- AIR RELIEF VALVE IN 150 SPOTTER BOX (HIGH POINT)
- FLUSHING VALVE IN 150 SPOTTER BOX (LOW POINT)
- 25mm LDPE FLUSH PIPE
- CONTINUATION OF LDPE PIPE WORK TO NEXT TREE
- 25mm TEE WITH 25mm FEMALE BSP THREAD
- 25mm LDPE POLY DIRECTOR WITH BARBED END
- STAINLESS STEEL 'COBRA' CLIPS
- 25mm LDPE POLY DIRECTOR WITH 19mm BARBED BRANCH OUTLET
- NEW 30mm DEEP ROLL OUT INSTANT TURF, TOP DRESSED AND WATERED IN.
- NEW 80/20 SANDY / LOAM SOIL
- 25mm LDPE HEADER OR FLUSH PIPE BEYOND
- EXCAVATED SUB-GRADE LEVEL

CoA 630 SUB-SURFACE IRRIGATION INSTALLATION DETAILS

REV	DESCRIPTION	DATE
A	ORIGINAL ISSUE	07/22

CONSTRUCTION STANDARDS  
LANDSCAPE

IRRIGATION  
SUB-SURFACE IRRIGATION INSTALLATION DETAILS - TURF WITH A TREE

 CITY OF ADELAIDE	
SHEET NUMBER <b>LS031</b>	REVISION <b>A</b>