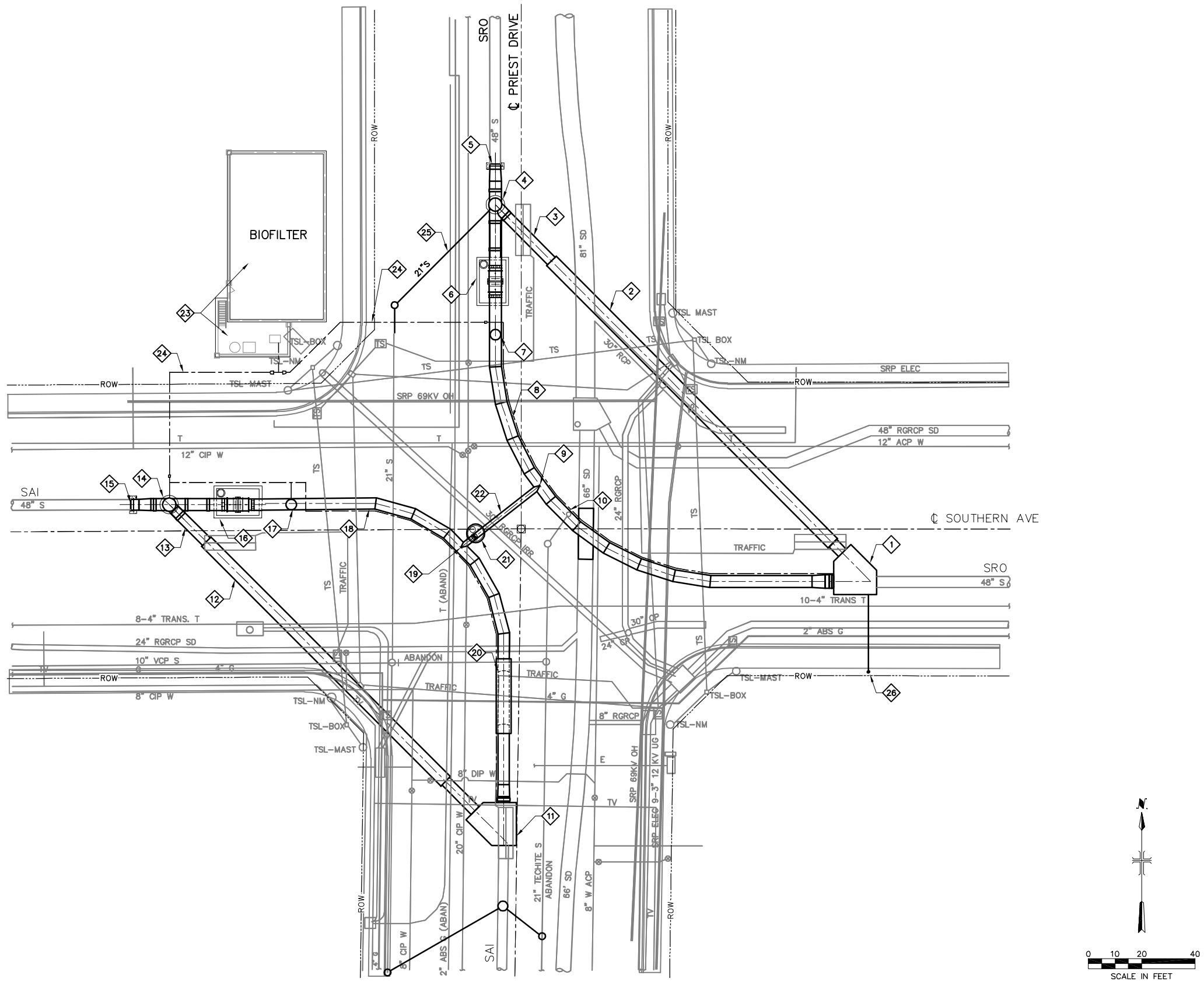

KEY NOTES

SRO	QUANTITY/ UNITS
1 STA 159+29 TO 159+45 CAST-IN-PLACE BYPASS STRUCTURE. SEE DWG S-2	
2 STA 157+27 TO STA 158+76 (BYPASS STA) 60" DIA STEEL CASING. SEE DTL-6, C-10	149 LF
3 STA 156+98 TO STA 158+83 (BACK) 48" DIA FRP BYPASS SEWER PIPE (2 / C-4)	185 LF
4 STA 156+98 60" DIA BYPASS MANHOLE SEE DWG C-7	1 EA
5 STA 156+83.4 CONNECTION TO EXISTING PIPE SEE DTL-3, C-10	1 EA
6 STA 157+17.6 TO STA 157+35.6 PRECAST CONCRETE VALVE VAULT W/ 48" DIA PNEUMATIC PINCH VALVE SEE DWG C-7	1 EA
7 STA 157+46.6 60" DIA METER MANHOLE W/ METER SEE DTL A, C-9	1 EA
8 STA 156+83.4 TO STA 159+29 54" DIA FRP PIPE (1 / C-4)	253± LF
9 STA 158+06.8 24" DIA TOP TANGENTIAL CONNECTION. SEE DWG C-6	1 EA
10 STA 158+21 60" DIA FRP MANHOLE WITH 21" DROP SEWER CONNECTION. PER MAG STD 426	1 EA
26 STA 159+42, 35' RT 8" AIR VENT W/GRAVITY DAMPER	1 EA

SAI	QUANTITY/ UNITS
11 STA 972+50 TO STA 972+66 CAST-IN-PLACE BYPASS STRUCTURE. SEE DWG S-3	1 EA
12 STA 970+52 TO STA 971+79 (BYPASS STA) 60" DIA STEEL CASING. SEE DTL-6, C-10	127 LF
13 STA 970+36.5 TO STA 971+99.5 BACK) 48" DIA FRP BYPASS SEWER PIPE (4 / C-5)	163 LF
14 STA 970+36.5 60" DIA BYPASS MANHOLE SEE DWG C-8	1 EA
15 STA 970+22 CONNECTION TO EXISTING PIPE SEE DTL-3, C-10	1 EA
16 STA 970+53.5 TO STA 970+71.5 PRECAST CONCRETE VALVE VAULT W/ 48" DIA PNEUMATIC PINCH VALVE SEE DWG C-8	1 EA
17 STA 970+82.5 60" DIA METER MANHOLE W/METER. SEE DTL A, C-9	1 EA
18 STA 970+22 TO STA 972.50 48" DIA FRP PIPE (3 / C-5)	236 LF
19 STA 971+50.3 24" DIA TOP TANGENTIAL CONNECTION. SEE DWG C-6	1 EA
20 STA 971+95 TO STA 972+23 TRANSITION DROP. SEE DTL-B, C-9	1 LS
21 STA 0+08 (INTERCONNECT STA) 24" DIA KNIFE GATE VALVE IN MANHOLE. SEE DTL-C, C-9	1 EA
22 STA 0+00 (SAI) TO 0+38 (SAI) 24" FRP INTERCONNECT. SEE DWG (6 / C-6)	38 LF
23 BIOFILTER AND FAN VAULT SEE DWG M-1	1 LS
24 BIOFILTER FOUL AIR DUCT SEE DWG (5 / C-6)	
25 REPLACEMENT 21"S MANHOLE AND DROP SEWER CONNECTION SEE DWG C-6	

N

0 10 20 40
SCALE IN FEET
SCALE: 1" = 20'

REVISIONS			
NO	DATE	BY	DESCRIPTION

File Name: TSAIDSC01.dwg

Designed By DCM, SR
Drawn By RLC
Checked By

DSWA DAMON S. WILLIAMS ASSOCIATES, L.L.C.
Consulting Civil and Environmental Engineers

PRELIMINARY
NOT FOR CONSTRUCTION OR RECORDING

City of Tempe
Water Utilities Department
SAI Diversion Structure
Tempe Project No. 2001-3200101

CIVIL

SAI & SRO PLAN

DSWA Project No 010230
Date APRIL 2003
70% DESIGN
Dwg No C-3
Sht No of

Dwg File: U:\CADD\010230\Dwg\TSAIDSC01.dwg Modified: Oct 16, 2003 - 9:36am Plotted: Oct 16, 2003 - 9:37am