



LEGEND (AS SHOWN ON DWG EQ-15)

ITEM NO.	EQUIPMENT COMPONENT
V1	CAR WASH EQUIPMENT
V1E/R1	PREWETTING/DETERGENT ARCH PHOTOCCELL SENSORS-EMITTER/RECEIVER
V1A	PREWETTING/DETERGENT ARCH 76 LPM @ 345 KPA (20 GPM @ 50 PSI)
V1B	DETERGENT PUMP VARIABLE UP TO 4 LPM (1 GPM)
V1C	DETERGENT STORAGE TANK 4354 L (1150 G)
V1D	DETERGENT MIXING TANK 1136 L (300 G)
V1E	WATER STORAGE TANK 1136 L (300 G)
V1E/R3	HIGH PRESSURE SPINNER ASSEMBLY PHOTOCCELL SENSORS-EMITTER/RECEIVER
V1F	HIGH PRESSURE SPINNER ASSEMBLY 757 LPM @ 2413 KPA (200 GPM @ 350 PSI)
V1G	INTENSIFIED REAR WASH SYSTEM 757 LPM @ 2413 KPA (200 GPM @ 350 PSI)
V1H/R4	INTENSIFIED REAR WASH SYSTEM PHOTOCCELL SENSORS-EMITTER/RECEIVER
V1I	HIGH PRESSURE WASH PUMPING MODULE 757 LPM @ 2413 KPA (200 GPM @ 350 PSI)
V1E/R2	VERTICAL BRUSH AND FRAME ASSEMBLY PHOTOCCELL SENSORS-EMITTER/RECEIVER
V1J	VERTICAL BRUSH AND FRAME ASSEMBLY 378 LPM @ 690 KPA (100 GPM @ 100 PSI)
V1E/R5	FINAL RINSE ARCH PHOTOCCELL SENSORS-EMITTER/RECEIVER
V1K	FINAL RINSE ARCH 473 LPM @ CWP KPA (125 GPM @ CWP PSI)
V1L	ENTRANCE LIGHTS AND PRESENCE SENSORS
V1M	SPEED WARNING LIGHTS (EXIT LIGHT) AND PRESENCE DETECTORS
V1N	CAR WASHER ELECTRICAL CONTROL PANEL
V1O	WASH WATER AND DETERGENT PUMPING ASSEMBLY 378 LPM @ 690 KPA (100 GPM @ 100 PSI)
V1P	THREE STAGE CLARIFIER CONCRETE VAULT (SEE DRAWINGS EQ-12 AND S-068)
V1Q	SEPARATOR PUMP 284 LPM @ 345 KPA (75 GPM @ 50 PSI)
V1R	SEPARATOR PUMP 568 LPM @ 345 KPA (150 GPM @ 50 PSI)
V1S	CENTRIFUGAL SEPARATOR ASSEMBLIES
V1T	SLUDGE TANK 1514 L (400 G)
V1U	STILLING TANK 5678 L (1500 G)
V1V	WASH WATER STORAGE TANK 5678 L (1500 G)
V1W	WATER RECYCLING SYSTEM ELECTRICAL CONTROL PANEL (ELECTRICAL FEED FROM ITEM V1N)
V1E/R6	BLOWER/DRYER SYSTEM PHOTOCCELL SENSORS-EMITTER/RECEIVER
V1X	BLOWER DRYER SYSTEM
V1Y	BLOWER DRYER SYSTEM ELECTRICAL CONTROL PANEL (ELECTRICAL FEED FROM ITEM V1N)
V1AA	SEWER PH NEUTRALIZATION PIT (SEE DRAWINGS EQ-12 AND S-068)
V1AB	SEWER OVERFLOW SOLENOID VALVE CONTROLLED BY PH MONITOR
V1AC	PH MONITOR PANEL (ELECTRICAL FEED FROM ITEM V1N)
V1AD	PH NEUTRALIZATION PIT MIXER
V1AE	PH ACID STORAGE TANK 378 L (100 G)
V1AF	PH ALKALINE STORAGE TANK 378 L (100 G)
V1AG	BASKET STRAINER (SEE DRAWING EQ-12)
V1AH	DETERGENT APPLICATION PUMP 76 LPM @ 345 KPA (20 GPM @ 50 PSI) SEE DRAWING EQ-12
V1AI	DETERGENT PUMP CONTROL PANEL (ELECTRICAL FEED FROM ITEM V1N)
V1AJ	FRESH WATER PUMP 38 LPM @ 69 KPA (10 GPM @ 10 PSI) SEE DRAWING EQ-12
V1AK	PH SENSORS (SEE DRAWING EQ-12)
V1AL	PUMP FLOATS CONTROL ASSEMBLY (SEE DRAWING EQ-12)
V1AM	WASHER MONITOR PANEL
V1AN	WASHER PUSH BUTTON CONTROL PANEL
V1E/R7	EXIT PHOTOCCELL SENSORS-EMITTER/RECEIVER

INSTALLATION DRAWINGS

LAYOUT OF EQUIPMENT.....	0603-1
FOUNDATION ANCHOR BOLT LOCATION.....	0603-1A
TYPICAL EQUIPMENT ELEVATION AND FLOW DIAGRAM.....	0603-2
FIELD PIPING SCHEMATIC.....	0603-2A
WASH WATER STORAGE SYSTEM.....	0603-2B
BULK DETERGENT STORAGE SYSTEM.....	0603-2C
RECLAIM MODULE ASSEMBLY.....	0603-2D
PROGRAMMABLE CONTROLLER CONNECTION DIAGRAM.....	0603-3
WASHER CONTROL PANEL ASSEMBLY.....	0603-3A
WASHER MONITOR PANEL.....	0603-3A1
RECLAIM CONTROL PANEL ASSEMBLY.....	0603-3A2
OPERATOR CONTROL STATION ASSEMBLY.....	0603-3B
FIELD WIRING SCHEMATIC.....	0603-3C
CONTROL ROOM FIELD WIRING SCHEMATIC.....	0603-3C1
MAIN DETERGENT FILL CONTROL PANEL ASSEMBLY.....	0603-3D
PREWET/DETERGENT ARCH ASSEMBLY.....	0603-4
HIGH PRESSURE SPINNER/INTENSIVE REAR WASH ARCH.....	0603-4A
MODEL LRV BRUSH MACHINE ASSEMBLY.....	0603-5
BRUSH MACHINE DETAILS.....	0603-5A
BRUSH MACHINE FACTORY PIPING SCHEMATIC.....	0603-5B
BRUSH MACHINE FACTORY WIRING SCHEMATIC.....	0603-5C
CENTRALIZED BEARING LUBRICATION SYSTEM.....	0603-5D
FINAL RINSE ARCH ASSEMBLY.....	0603-6
PHOTOCCELL ASSEMBLY.....	0603-7
WATER STRIPPER ASSEMBLY.....	0603-8
WATER STRIPPER SECTIONS & DETAILS.....	0603-8A
BLAST GATE AIR CONTROL PANEL ASSEMBLY.....	0603-8B
PH MONITORING SYSTEM.....	0603-9

PLAN VIEW  
LAYOUT OF EQUIPMENT

SERVICES REQUIRED

WATER ..... 3" CITY WATER SUPPLY LINE @ 50 PSI MINIMUM  
 ELECTRIC .... 480V/3PH/60HZ/400A SERVICE  
 AIR ..... 1/2" SUPPLY LINE @ 80 P. S. I. MINIMUM

PEAK LOAD ... 20 H.P (CAR WASHER)  
 96.5 H.P (RECLAIM SYSTEM)  
 100 H.P (WATER STRIPPER)

DRAIN ..... 6" MIN. OVERFLOW TO SEWER

\* ..... LOCATION WHERE SERVICES ARE TO BE BROUGHT AND CONNECTED BY GENERAL CONTRACTOR

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REV	REVISION	DATE	REV	REVISION	DATE
E			A	GENERAL	8/16/06
F			B	GENERAL	1/16/08
G			C		
H			D		
I					
J					
K					

DRAWN BY: DKS DATE DRAWN: 4/28/06  
 DATE PLOTTED: SCALE: 3/16" = 1'-0" APPROVED:  
 CHECKED BY: DATE CHECKED:

**ROSS**  
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LAYOUT OF EQUIPMENT

0603-1