

IRRIGATION
LEGEND

SYM.	MANUFACTURER	MODEL NUMBER	DESCRIPTION	RADIUS	G.P.M.	P.S.I.
⊕	RAINBIRD	RD04-S-P30-8Q-MPR	POP-UP-SPRAY HEAD	8"	0.72	30
▽	RAINBIRD	RD04-S-P30-8H-MPR	POP-UP-SPRAY HEAD	8"	1.19	30
⊗	RAINBIRD	RD04-S-P30-8F-MPR	POP-UP-SPRAY HEAD	8"	1.70	30
⊕	RAINBIRD	RD06-S-P30-HE-VAN10	POP-UP-SPRAY HEAD	10"	0.89	30
⊕	RAINBIRD	RD06-S-P30-HE-VAN10-360	POP-UP-SPRAY HEAD	10"	1.78	30
▽	RAINBIRD	RD04-S-P30-12H-MPR	POP-UP-SPRAY HEAD	12"	1.18	30
⊗	RAINBIRD	RD04-S-P30-12F-MPR	POP-UP-SPRAY HEAD	12"	2.36	30
⊕	RAINBIRD	RD12-S-P45-R-VAN18	SHRUB HEAD	18"	1.01	45
⊕	RAINBIRD	PA-8S-P45-R-VAN18 H	SHRUB HEAD	18"	1.01	45
▽	RAINBIRD	PA-8S-P45-R-VAN18-360	SHRUB HEAD	18"	1.85	45
⊕	RAINBIRD	RD12-S-P45-R-VAN24 H	SHRUB HEAD	24"	1.68	45
⊕	RAINBIRD	PA-8S-P45-R-VAN24 H	SHRUB HEAD	24"	1.68	45
⊕	RAINBIRD	PA-8S-P45-R-VAN24-360	SHRUB HEAD	24"	3.48	45
○	RAINBIRD	1300A-F	FULL CIRCLE BUBBLER	FLOOD	2.0	45

ROTORS

SYM.	MODEL	DESCRIPTION	SIZE
⊕	HUNTER I-20-04-SS-50SR	QUARTER ROTOR	18"
⊕	HUNTER I-20-04-SS-10SR	HALF ROTOR	18"
⊕	HUNTER I-20-04-SS-20SR	FULL ROTOR	18"
⊕	HUNTER I-20-04-SS-75SR	QUARTER ROTOR	25"
⊕	HUNTER I-20-04-SS-155SR	HALF ROTOR	25"
⊕	HUNTER I-20-04-SS-305SR	FULL ROTOR	25"

EQUIPMENT

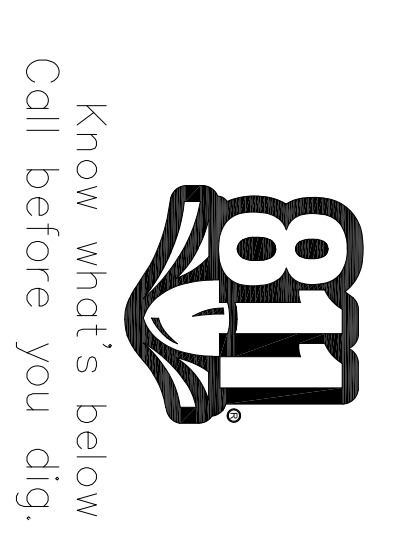
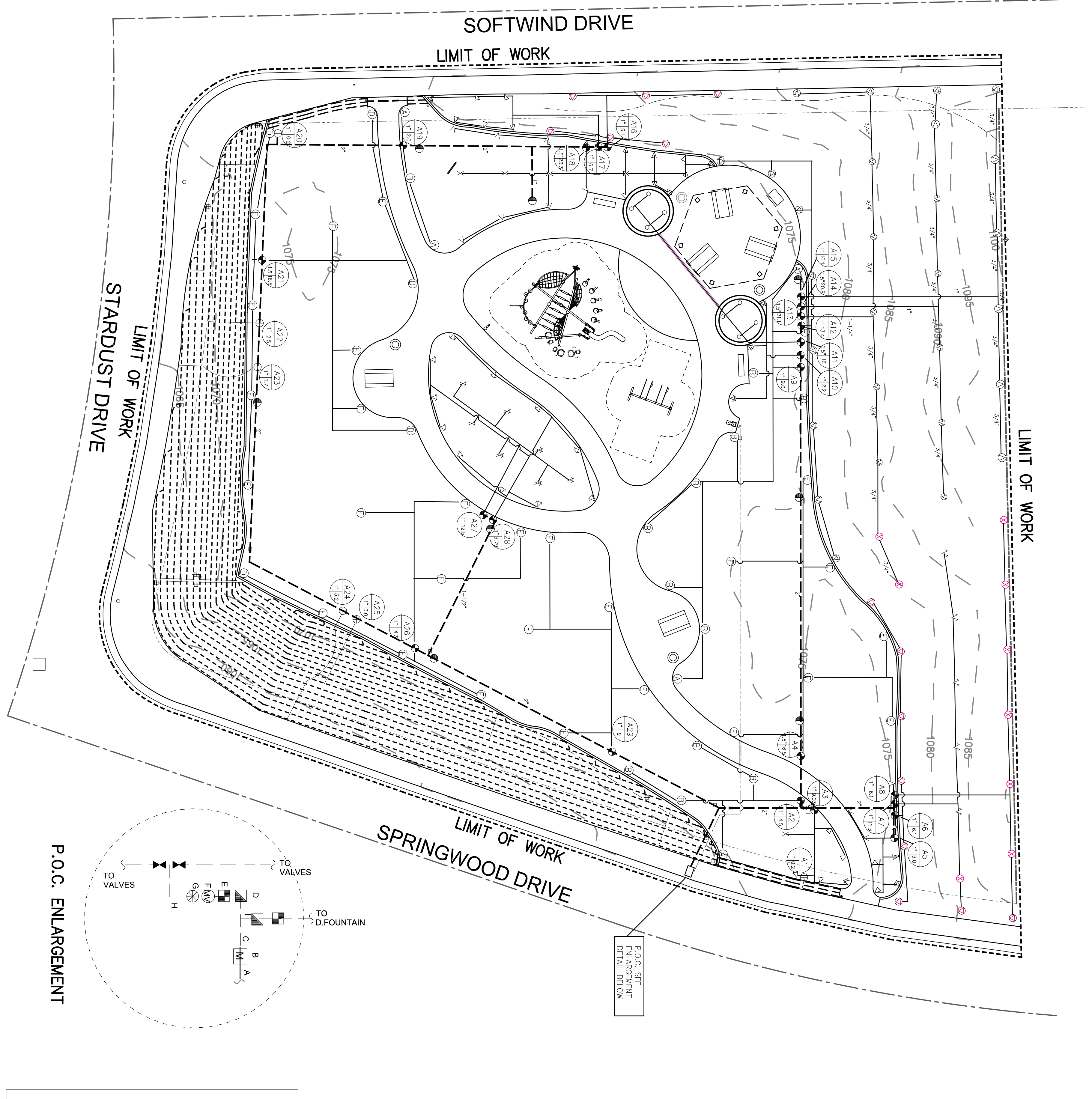
SYM.	MODEL	DESCRIPTION
⊕	FECCO 825Y	1-1/2" WATER METER - EXISTING
⊕	FECCO 825YA	2" REDUCED PRESSURE BACKFLOW DEVICE w/ WYE STRAINER 60-MESH AND STAINLESS STEEL STRONGBOX ENCLOSURE
⊕	WIKENS 500 SERIES	3/4" REDUCED PRESSURE BACKFLOW DEVICE w/ STAINLESS STEEL STRONGBOX ENCLOSURE
⊕	CAISENSE FM-2B	2" PRESSURE REGULATOR
⊕	SUPERIOR 3200-200-RW	2" FLOW SENSOR
⊕	NIBCO T-5885	2" MASTER VALVE, NORMALLY CLOSED
⊕	RAINBIRD ETB-CP-PRS-D	LINE-SIZE FULL PORT BRONZE BALL VALVE
⊕	RAINBIRD XCZ-FRB-100-COM	REMOTE CONTROL GLOBE VALVE, SIZE AS SHOWN, ADD PRESSURE REGULATOR AS NEEDED
⊕	RAINBIRD 44 DIRC	1" DRIP ZONE VALVE KIT IN-LINE w/ 200MESH FILTER AND 40 PSI REGULATOR
⊕	NETAFIM TLSOY	1" QUICK COUPLER POTABLE w/ 2 KEYS 44S-DK
⊕	CAISENSE ET13000	MANUAL FLUSH VALVE FOR DRIP SYSTEM

PIPE SIZING CHART

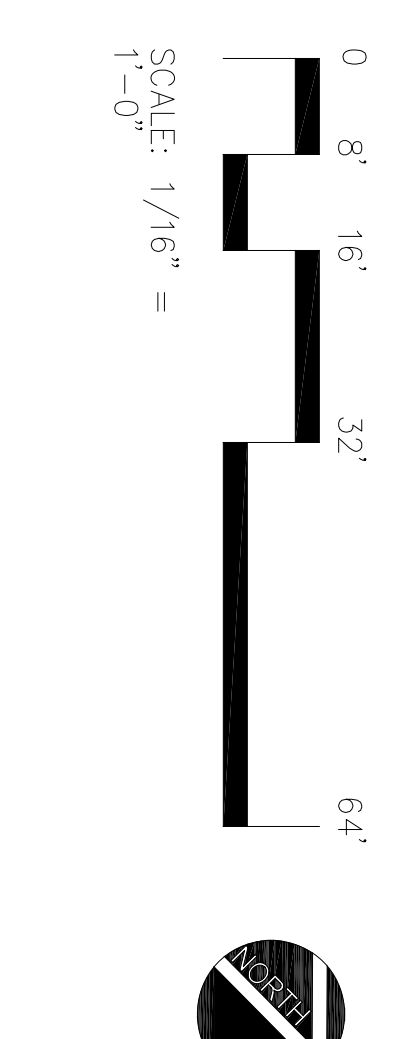
PIPE SIZE	8 GPM	12 GPM	15 GPM	20 GPM	30 GPM	50 GPM
1/2"						
3/4"						
1"						
1-1/4"						
1-1/2"						
2"						

PRESSURE LOSS CALCULATION

VALVE NUMBER	DESCRIPTION	LOSS	RESIDUAL
A15	STATIC PRESSURE @ WATER METER	170.0	170.0
100	WATER METER LOSS	0.00	170.00
200	MASTER VALVE	0.01	169.99
300	FLOW SENSOR	2.48	167.51
400	150 GATE BALL VALVE	0.01	167.50
500	200 REMOTE CONTROL VALVE	0.00	167.50
600	200 MAINLINE	0.18	167.32
700	0.75 LATERAL LINE	5.0	162.32
800	TOTAL LATERAL LINE	1.25	161.07
900	LATERAL LINE	0.00	161.07
1000	TOTAL PVC LATERAL LINE LOSS	2.54	158.53
1100	TOTAL FRICTION LOSS (10%)	0.23	158.30
1200	ELEVATION CHANGE	18.1	140.20
1300	REGULATED PRESSURE @ POC (IF APPLICABLE)	78.3	61.90
1400	RESIDUAL PRESSURE (MUST BE POSITIVE)	11.7	50.20



Know what's below
Call before you dig.



01 OF 01 SHTS.

DATE: 08/17/20

SCALE: 1/16" = 1'-0"

JOB NUMBER: C-0216

SHEET NUMBER: L-1.1

REVISIONS

DRAWN BY: ETHAN FISHER

CHECKED BY:

IRRIGATION PLAN

SHEET TITLE
STARDUST
123 FAKE STREET
CHAMLEE INC.
RANCHO CUCAMONGA, CA

PROJECT/CLIENT

L.A. SEAL