



Spartan
Distributors

487 W. Division St.
Spartan, MI 49345
Ph: 616.887.7301
Fax: 616.887.6288

1050 Opdyke Road
Auburn Hills, MI 48326
Ph: 810.373.8800
Fax: 810.373.8899

800.822.2216

Design By: CUMMINGS
Checked By: ENNENGA, C.I.D.
Plan #: 99-0110
Date: 3-12-99
Revisions: 4-1-99 DCC

THIS DESIGN IS BASED ON INFORMATION PROVIDED BY THE
ARCHITECT AND/OR OWNER WHO ASSUMES FULL RESPONSIBILITY
FOR ITS CORRECTNESS.

LEGEND

• •	570Z-4P	4ST-MPR-PC SERIES	TORO FIXED SPRAY POP-UP (4")
• •	570Z-4P	8"-MPR-PC SERIES	TORO FIXED SPRAY POP-UP (4")
• •	570Z-4P	10"-MPR-PC SERIES	TORO FIXED SPRAY POP-UP (4")
• •	570Z-4P	12"-MPR-PC SERIES	TORO FIXED SPRAY POP-UP (4")
▼ ▼	570Z-4P	15"-MPR-PC SERIES	TORO FIXED SPRAY POP-UP (4")
□ □	570Z-6P	10"-MPR-PC SERIES	TORO FIXED SPRAY POP-UP (6")
○ ○	570Z-6P	12"-MPR-PC SERIES	TORO FIXED SPRAY POP-UP (6")
• •	570Z-6P	15"-MPR-PC SERIES	TORO FIXED SPRAY POP-UP (6")
○ ○	300-00-15	OMNI ADJ. NOZZLE	TORO GEAR DRIVEN ROTARY POP-UP
12"○	300-12-15	OMNI ADJ. NOZZLE	TORO GEAR DRIVEN ROTARY POP-UP (12")
●	S700	3.0 NOZZLE	TORO GEAR DRIVEN ROTARY POP-UP
●	S700	6.0 NOZZLE	TORO GEAR DRIVEN ROTARY POP-UP
⬢	264-06-03		TORO 3/4" ELECTRIC VALVE
⬢	260-06-04		TORO 1" ELECTRIC VALVE
⬢	252-26-06		TORO 1-1/2" ELECTRIC VALVE
⬢	252-26-06		TORO 2" ELECTRIC VALVE
1 2 3	OCM24	24 STATION	TORO CUSTOM COMMAND CONTROLLER WITH COPED PEDESTAL KIT

— PVC 160# PIPE (ALL PIPE 1-1/2" AND LARGER)
— OIL CREEK 100# POLYETHYLENE PIPE (PE-3408 NSF APPROVED) (ALL PIPE DOWNSTREAM OF VALVE 1-1/4" AND SMALLER)

NOT SHOWN #14 UL APPROVED 24V RED CONTROL WIRE WITH A #14 UL APPROVED WHITE COMMON WIRE

- POINT OF CONNECTION

NOT SHOWN TLDL6-18XX

NETAFIM .6 GPH DRIPPER PIPE

NOT SHOWN TLDL0XX

NETAFIM BLANK TUBING
(AS EXHAUST HEADERS)

NOT SHOWN PRV075LP20

NETAFIM PRESSURE REGULATOR

NOT SHOWN DF075-140

NETAFIM DISK FILTER

NOT SHOWN TLFV

NETAFIM LINE FLUSHING VALVE

NOT SHOWN TLAIRV

NETAFIM AIR RELIEF VALVE

- ⊕ MATCO SERIES

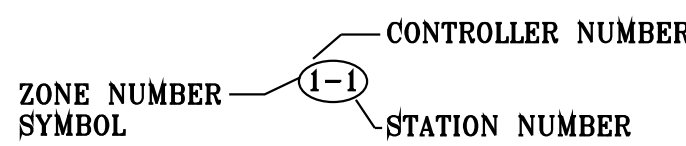
MATCO LINE SIZE ISOLATION VALVE
(3" AND LARGER)

GENERAL NOTES:

- COORDINATE THIS WORK WITH ALL OTHER TRADES.
- ALL PLUMBING AND ELECTRICAL SHALL BE INSTALLED ACCORDING TO STATE AND LOCAL CODES.
- EXISTING SLEEVES ARE SIZED AS SHOWN. ALL NEW SLEEVES SHALL BE 4" SCH 40 PVC (UNLESS OTHERWISE SPECIFIED) AND ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- ALL PIPE NOT SIZED DOWNSTREAM OF VALVE IS 3/4".
- IRRIGATION CONTRACTOR'S POINTS OF CONNECTION SHALL BE AS NOTED ON PLAN.
- 115V POWER FOR CONTROLLERS SHALL BE SUPPLIED BY ELECTRICAL CONTRACTOR.
- CONTROLLERS SHALL BE PEDESTAL MOUNT UNITS AT LOCATIONS SHOWN ON PLAN (VERIFY EXACT LOCATION WITH OWNER'S REPRESENTATIVE).

TOTAL SYSTEM WATER REQUIREMENTS: 160 GPM @ 75 PSI.

SYSTEM PROGRAMING: CONTROLLERS # 1 AND #2 SHALL RUN SIMULTANEOUSLY, EVERY OTHER NIGHT. CONTROLLER #3 SHALL RUN ALTERNATE NIGHTS TO #1 AND #2. SYSTEM PROGRAMING IS FOR EVERY OTHER NIGHT.



ZONE NUMBER	VALVE SIZE	GPM	ZONE NUMBER	VALVE SIZE	GPM	ZONE NUMBER	VALVE SIZE	GPM
1-1	1-1/2"	26	2-1	1-1/2"	63	3-1	2"	66
1-2	1-1/2"	43	2-2	1-1/2"	41	3-2	1-1/2"	41
1-3	1-1/2"	63	2-3	2"	78	3-3	1-1/2"	37
1-4	1-1/2"	24	2-4	1-1/2"	27	3-4	1"	17
1-5	2"	68	2-5	2"	80	3-5	2"	62
1-6	1-1/2"	45	2-6	1-1/2"	42	3-6	1-1/2"	43
1-7	1-1/2"	48	2-7	1-1/2"	39	3-7	1-1/2"	48
1-8	2"	74	2-8	2"	62	3-8	1-1/2"	45
1-9 }	1-1/2"	28	2-9	1-1/2"	39	3-9	2"	81
1-9 }	1"	20	2-10	1-1/2"	49	3-10	2"	63
1-10 }	2"	33	2-11	1-1/2"	52	3-11	2"	66
1-11	2"	56	2-12	1-1/2"	54	3-12	1-1/2"	31
1-12	1-1/2"	60	2-13	2"	62	3-13	1-1/2"	42
1-13	2"	62	2-14	1-1/2"	26	3-14	2"	64
1-14	1-1/2"	60	2-15	1-1/2"	54	3-15	1-1/2"	29
1-16	2"	63	2-16	2"	66	3-16	1-1/2"	37
1-16	1-1/2"	44	2-17	1-1/2"	54	3-17	1-1/2"	43
1-17	1-1/2"	51	2-18	2"	61	3-18	1-1/2"	34
1-18 }	1-1/2"	59	2-19	1-1/2"	28			
1-18 }	1"	18	2-20	1-1/2"	54			
1-19	1-1/2"	54	2-21	1-1/2"	41			
1-20	1-1/2"	64	2-22 }	1"	12			
1-21	2"	63	2-22 }	3/4"	8			
1-22	2"	69	2-22 }	1"	16			
1-23	1-1/2"	44	2-23	1"	18			
			2-24	1-1/2"	43			

