

**DRIP IRRIGATION INFORMATION**

- \* DRIP ZONE TO INCLUDE:
  - \* METAFILM TECHLINE OR EQUAL
- \* DRIPPER SPACING 12", 18", 24" OR 36"
- \* DRIPPER DISCHARGE 0.60 OR 0.90 GPH
- \* PRESSURE COMPENSATION RANGE 7 TO 70 PSI
- \* STAINLESS STEEL CLAMPS RECOMMENDED ABOVE 45 PSI
- \* ADJUST DRIPPER SPACING FOR INDIVIDUAL PLANTING REQUIREMENTS (SLEEVE IF NECESSARY)

**GENERAL NOTES:**

- REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- COORDINATE WORK WITH OTHER SITE DEVELOPMENT RELATED DRAWINGS.
- THIS SYSTEM WAS DESIGNED PER THE FOLLOWING CRITERIA UNLESS OTHERWISE NOTED ON PLAN. SHOULD THE PRESSURE VARY THIS NOTE! THE OWNER'S FIELD REPRESENTATIVE BEFORE PROCEEDING WITH THE INSTALLATION SO THAT ADJUSTMENTS CAN BE MADE TO THE DESIGN. DESIGN STATIC WATER PRESSURE AT TAP: 50 P.S.I.
- THIS SPRINKLER IRRIGATION PLAN IS DRAWN FOR GRAPHIC CLARITY. WHERE PIPING AND VALVES ARE SHOWN IN CONCRETE AREAS, EXCEPT WHERE CROSSING, THE INTENT IS FOR THE PIPING AND VALVES TO BE PLACED IN THE ADJACENT PLANTING AREAS.
- THE IRRIGATION SYSTEM TO PROVIDE COVERAGE AS SHOWN. FOLLOW THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT FOR AREAS ADJACENT TO THE BUILDING.
- MAIN LINE NOT SHOWN FOR VISUAL CLARITY.
- CLOCK/CONTROLLER TO BE RAINBIRD. VERIFY LOCATION BEFORE BEGINNING WORK.
- IRRIGATION CONTRACTOR SHALL SELECT SPRAY PATTERN FOR MAXIMUM COVERAGE AND MINIMUM OVERTHROW ONTO BUILDING AND PAVED SURFACES.
- ADD SHRUB RISERS AS NEEDED.
- SHRUB RISERS SHALL NOT BE PLACED IN PARKING ISLANDS OR WHERE VEHICULAR TRAFFIC OR PARKING WILL DAMAGE THE RISERS.
- SLEEVE UNDER ALL PAVING AND WALLS AS REQUIRED. REFER TO 11/L4.

**SYMBOLS LEGEND**

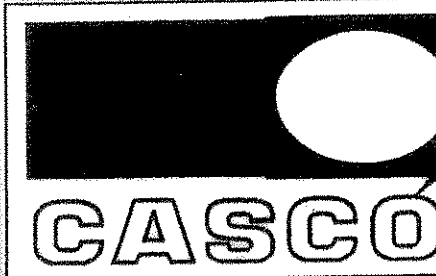
- AREA OF GROUND COVER
- AREA OF SOD (WHERE REQUIRED) (NOTE: LAWN AREA WHICH EXCEEDS 25% SLOPE TO BE PROVIDED WITH SOD. SEE GRADING PLAN.)
- NEW BUILDING
- NEW POLE SIGN
- PARKING LOT LIGHTS
- THROW ANGLE, REFER PLAN
- HEAD MARK, REFER SCHEDULE FOR TYPE
- THROW COVERAGE, REFER PLAN
- CONTROLLER AND STATION #
- DISCHARGE MEASURED IN GPM
- VALVE SIZE IN INCHES
- MAIN LINE: 3/4" OR 1" SCHEDULE 40 PVC AS INDICATED ON PLANS. 18" MIN. COVER REQUIRED. REFER TO 10/L4.
- LATERALS: 3/4" CLASS 200 PVC PIPE. 12" COVER REQUIRED. UNLESS OTHERWISE NOTED. REFER TO 10/L4.
- SLEEVES: 4" SCHEDULE 40 PVC REQUIRED UNDER ALL PAVING. REFER TO 11/L4.
- 90° SPRINKLER HEAD
- 180° SPRINKLER HEAD
- 270° SPRINKLER HEAD
- 360° SPRINKLER HEAD
- REMOTE CONTROL ELECTRIC VALVE REFER TO DETAIL 6/L4.
- 3/4" QUICK COUPLING VALVE (PROVIDE (2) MALE ADAPTERS) REFER TO DETAIL 9/L4.
- BUBBLER NOZZLE REFER TO DETAIL 4/L4.
- V.A.H. NOZZLE
- VACUUM PRESSURE BREAKER REFER TO DETAIL 12/L4.
- CONTROLLER REFER TO DETAIL 13/L4.
- AUTOMATIC DRAIN VALVE REFER TO DETAIL 7/L4.
- MANUAL DRAIN VALVE REFER TO DETAIL 8/L4.
- RAIN SENSOR ASSEMBLY REFER TO DETAIL 15/L4.
- ANTIFREEZE ASSEMBLY REFER TO DETAIL 16/L4.
- BACK FLOW PREVENTER REFER TO DETAIL 14/L4.
- POINT OF CONNECTION
- UNCONNECTED PIPE CONNECTION
- DRIP IRRIGATION

**SPRINKLER SCHEDULE**

MARK	SPRAY HEAD	PRESSURE (PSI)	RADIUS	FLOW (GPM)	PART #	DETAIL
1	RAIN BIRD 1804 - PRS	30	10'-0"	.39	1804-PRS-10Q	1/L4 5/L4
2	RAIN BIRD 1804 - PRS	20	12'-0"	.75	1804-PRS-12Q	1/L4 5/L4
3	RAIN BIRD 1804 - PRS	30	15'-0"	.92	1804-PRS-15Q	1/L4 5/L4
4	RAIN BIRD 1804 - PRS	30	5'-0"	.2	1804-PRS-5*	1/L4 5/L4
5	RAIN BIRD 1804 - PRS	15	7'-0"	.58	1804-PRS-7Q/H	1/L4 5/L4
6	RAIN BIRD 1804 - PRS	30	10'-0"	.79	1804-PRS-10H/TQ	1/L4 5/L4
7	RAIN BIRD 1804 - PRS	30	12'-0"	1.30	1804-PRS-12H	1/L4 5/L4
8	RAIN BIRD 1804 - PRS	30	15'-0"	1.85	1804-PRS-15H	1/L4 5/L4
9	RAIN BIRD 1804 - PRS	30	20'-0"	1.61	1804-PRS-22H-SS	1/L4 5/L4
10	RAIN BIRD 1804 - PRS	30	15'-0"	1.85	1804-PRS-15TQ	1/L4 5/L4
11	RAIN BIRD 1804 - PRS	30	5'-0"	.41	1804-PRS-5F	1/L4 5/L4
12	RAIN BIRD 1804 - PRS	30	8'-0"	1.05	1804-PRS-8F	1/L4 5/L4
13	RAIN BIRD 1804 - PRS	30	10'-0"	1.58	1804-PRS-10F	1/L4 5/L4
14	RAIN BIRD 1804 - PRS	30	15'-0"	3.70	1804-PRS-15F	1/L4 5/L4
15	RAIN BIRD 1300 A-F	30	3'-0"	1.7	1300 A-F - 50B	4/L4
16	RAIN BIRD 1300 A-F	30	1'-0"	1.7	1300 A-F - 50B	4/L4
17	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
18	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
19	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
20	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
21	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
22	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
23	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
24	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
25	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
26	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
27	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
28	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
29	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
30	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
31	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
32	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
33	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
34	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
35	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
36	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
37	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
38	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
39	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
40	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
41	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
42	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
43	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
44	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
45	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
46	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
47	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
48	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
49	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
50	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
51	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
52	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
53	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
54	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
55	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
56	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
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59	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
60	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
61	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
62	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
63	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
64	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
65	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
66	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
67	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
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75	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
76	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
77	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
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79	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
80	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
81	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
82	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
83	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
84	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
85	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
86	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
87	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
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90	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
91	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
92	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
93	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
94	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
95	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
96	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
97	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
98	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
99	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4
100	RAIN BIRD 1804 - PRS	30	12'-0"	.65	1804-PRS-12 VAN	1/L4 5/L4

**RECORD DRAWING**  
DATE: 02/02/2006

**IRRIGATION PLAN**



10877 WATSON ROAD  
ST. LOUIS, MO 63127  
PROJECT MANAGERS

ISSUED FOR PERMIT:	
ISSUED FOR BID:	
REVISIONS:	
NO. #	DATE
REMARKS:	
REV. 1	5/05/04
ENGINEERING PLANS RESUBMITTAL	
REV. 2	5/28/04
ENGINEERING PLANS RESUBMITTAL	
REV. 3	11/11/04
ENGINEERING PLANS RESUBMITTAL	
REV. 4	12/30/04
ENGINEERING PLANS RESUBMITTAL	

**O'Reilly** **AUTO PARTS**

PROJECT:  
**NEW O'REILLY AUTO PARTS STORE**  
**RIDGE ROAD**  
**ROCKWALL, TEXAS**

233 SOUTH PATTERSON  
SPRINGFIELD, MO 65802  
PHONE: (417) 862-3333



JOB NO.: 904522  
DRAWN: MAM  
CHECKED: CRM  
DATE: 3/01/04  
SCALE: 1" = 20'  
SHEET:

**L3**