

IRRIGATION NOTES

- PRIOR TO FINAL ACCEPTANCE THE CONTRACTOR SHALL DEMONSTRATE AND DOCUMENT THE CONTINUOUS FAULT FREE OPERATION OF THE COMPLETE IRRIGATION SYSTEM FOR A PERIOD OF TWO CONSECUTIVE WEEKS, MINIMUM. A FAULT IS CAUSE TO RESTART THE TEST. REFERENCE SPECIFICATIONS SECTION 32 84 00.
- ALL VALVE BOXES AND LIDS FOR THIS PROJECT SHALL BE BLACK IN COLOR.
- ANY REFERENCE TO A PARTICULAR MANUFACTURER BY NAME WITHIN THESE DRAWINGS MAY BE SUBSTITUTED WITH AN APPROVED EQUAL.
- CONTRACTOR SHALL TAKE CAUTION WHEN DIGGING IN AREAS WITH LARGE TREES TO PROTECT TREE ROOTS FROM DAMAGE. THE CONTRACTOR SHALL TRENCH OUTSIDE THE EXISTING TREE DRIFTLINES FOR IRRIGATION LINES. THE CONTRACTOR SHALL NOT SEVER OR CUT MAJOR ROOT MATERIAL OVER 1" CALIPER OR IN ANY WAY COMPROMISE THE HEALTH OR STRUCTURAL INTEGRITY OF EXISTING TREES DURING TRENCHING OPERATIONS. THE CONTRACTOR SHALL BORE UNDER TREE ROOTS THAT ARE LARGER THAN 1" IN DIAMETER.
- IN LOCATIONS WHERE PROPOSED IRRIGATION LINES CROSS PROPOSED OR EXISTING STORM DRAIN LINES, THE IRRIGATION LINES SHALL BE INSTALLED AT THE MINIMUM DEPTH OF BURY (OR GREATER) INDICATED IN THE IRRIGATION LEGEND AND WITH A MINIMUM OF 12" OF VERTICAL SEPARATION BETWEEN IRRIGATION PIPING AND STORM DRAIN PIPING. DIVERSIONS TO PIPING TO AVOID CONFLICT WITH STORM DRAINS SHALL BE ACCOMPLISHED USING 45 DEGREE FITTINGS. SEE CIVIL DRAWINGS FOR STORM DRAIN PLANS AND DETAILS.
- AIR RELEASE VALVE LOCATIONS ARE SHOWN SCHEMATICALLY ON THE PLAN AT HIGH POINTS IN ELEVATION. CONTRACTOR SHALL SURVEY FINAL LOCATIONS OF ALL AIR RELEASE VALVES PRIOR TO INSTALLATION TO ENSURE THAT THEY ARE LOCATED AT ACTUAL HIGH POINTS.
- IRRIGATION VALVES AND ASSOCIATED LATERAL LINES ARE SHOWN SCHEMATICALLY. ALL VALVES, LATERAL LINES, AND ASSOCIATED EQUIPMENT SHALL BE LOCATED WITHIN LANDSCAPE AREAS AND IRRIGATION AISLES. CONTRACTOR'S LAYOUT OF ALL IRRIGATION EQUIPMENT AND LINES SHALL BE APPROVED BY THE CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE PRIOR TO CONSTRUCTION. REFERENCE DETAIL F7/1-107.
- EXISTING IRRIGATION TRENCHES SHALL BE REUSED TO THE EXTENT PRACTICAL WHERE EXISTING TRENCHES ARE IN ALIGNMENT WITH PROPOSED TRENCHES.
- ALL IRRIGATION EQUIPMENT SHALL INCORPORATE PURPLE COMPONENTS FOR NON-POTABLE IRRIGATION WATER. PURPLE IRRIGATION COMPONENTS SHALL INCLUDE THE FOLLOWING:
 - PURPLE MAIN AND LATERAL LINES AND SLEEVES
 - PURPLE I.D./WARNING TAGS ON REMOTE CONTROL VALVES
 - PURPLE HANDLES ON REMOTE CONTROL VALVES
- WHERE SPRINKLER HEADS ARE ADJACENT TO CURB AT ROADWAYS, SPRINKLER HEADS SHALL BE INSTALLED 2'-0" FROM BACK OF CURB.
- IN THE EVENT THAT BONES OR HISTORIC ARCHAEOLOGICAL MATERIAL ARE UNCOVERED DURING CONSTRUCTION OR EARTH-DISTURBING ACTIVITIES, CEASE WORK IMMEDIATELY AND PROTECT THE REMAINS FROM FURTHER DISTURBANCE. NOTIFY THE OWNER, THE DIRECTOR OF FORT BLISS NATIONAL CEMETERY AT 915-564-9201. THE OWNER WILL CONTACT THE NEW MEXICO HISTORIC PRESERVATION DIVISION (SHPD). THE OWNER AND SHPD MAY DISCUSS THE APPROPRIATE WAY TO PROCEED. DIRECTION TO THE CONTRACTOR WILL BE PROVIDED BY THE OWNER.
- CERTAIN AREAS OF THE SITE ARE KNOWN TO HAVE EXISTING ROCK AT SHALLOW DEPTHS. THE CONTRACTOR SHALL REVIEW EXISTING SITE CONDITIONS AND BORING LOGS AND GEOTECHNICAL REPORTS PROVIDED WITH THE CONTRACT DOCUMENTS. PER THE CONDITIONS OF THE CONTRACT AND THE SPECIFICATIONS, ADDITIONAL COMPENSATION WILL NOT BE PAID TO THE CONTRACTOR IF ROCK IS ENCOUNTERED.
- CONTRACTOR SHALL INSTALL MAIN LINE, LATERALS, AND WIRE IN SLEEVE PIPING AT ALL LOCATIONS WHERE MAIN LINE, LATERALS AND WIRE CROSS BENEATH PAVING AND RETAINING WALLS. SLEEVES UNDER RETAINING WALLS SHALL BE LOCATED A MIN. OF 6" BELOW WALL FOOTINGS AND EXTEND A MIN. 6" BEYOND EACH EDGE OF FOOTINGS. IRRIGATION SLEEVE INSTALLATION SHALL BE COORDINATED WITH ALL TRADES TO ENSURE THAT SLEEVES ARE INSTALLED PRIOR TO INSTALLATION OF CURB AND GUTTER, ASPHALT PAVEMENT, SIDEWALKS, SLABS, WALLS, ETC.
- FOR IRRIGATION MAIN LINE, SUBMAIN, LATERAL, AND FLOWER WATER STATION MAIN LINE TRENCHING IN THE ROADWAY, REFERENCE DETAIL D5/1-107.
- ALL VALVE BOXES SHALL BE EQUIPPED WITH MOLE GUARD BASE PLATES AND SIDE GUARDS (OR EQUAL), SIZE TO MATCH VALVE BOX. AVAILABLE FROM MOLE GUARD (4250487-2180). INSTALL PER MANUFACTURER'S INSTRUCTIONS.

WATER STORAGE TANK NOTES

- IRRIGATION WATER STORAGE TANK SHALL BE DESIGNED AND CONSTRUCTED TO MEET THE FOLLOWING MINIMUM REQUIREMENTS. REFERENCE DETAILS C4/1-108 AND F1/1-108.
- TANK SHALL BE A WELDED CARBON STEEL TANK DESIGNED AND CONSTRUCTED PER ANSI/AWWA D100-11.
 - TANK CAPACITY SHALL BE 220,000 GALLONS. SIZE OF TANK SHALL BE 40'-0" IN DIAMETER BY 24'-0" HEIGHT.
 - CONTRACTOR SHALL FURNISH COMPLETE DESIGN/DETAIL SUBMITTALS AND SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. SUBMITTALS AND SHOP DRAWING SHALL INCLUDE TANK AND ALL RELATED APPURTENANCES, COATINGS, AND CONCRETE FOUNDATION, ETC.
 - COATINGS SHALL BE PER ANSI/AWWA D102-11. OUTSIDE COATING SYSTEM SHALL BE OCS NO. 4. OUTSIDE COATING COLOR SHALL MATCH DUNN EDWARDS D66142 "FLOATING FEATHER" OR APPROVED EQUAL. INSIDE COATING SYSTEM SHALL BE ICS NO. 1.
 - MAXIMUM DISCHARGE RATE SHALL BE 480 GPM. TANK VENT SHALL BE SIZED ACCORDINGLY.
 - OVERFLOW SHALL BE INTERNAL.
 - OUTSIDE TANK LADDER SHALL BE PROVIDED AND SHALL COMPLY WITH OSHA STANDARDS. BOTTOM OF LADDER SHALL BE 8'-0" ABOVE GRADE.
 - ACCESS TO ROOF HATCH AND VENT SHALL HAVE REQUIRED RAILINGS AND NON-SKID SURFACE.
 - SHELL MANHOLE SHALL BE LOCATED ON NORTH SIDE OF TANK IMMEDIATELY ABOVE ORNAMENTAL STONE WALL.
 - ROOF OPENING SHALL HAVE HINGED COVER WITH HASP FOR LOCKING.
 - ALL PIPE CONNECTIONS SHALL BE BOTTOM CONNECTIONS. PIPES SHALL EXTEND 5'-0" BEYOND OUTER EDGE OF TANK. TOP OF PIPES SHALL BE 30" BELOW FINISH GRADE. END OF PIPES SHALL HAVE FLANGE FITTINGS.
 - TANK SHALL BE EQUIPPED WITH AN EXTERIOR TANK LEVEL INDICATOR.

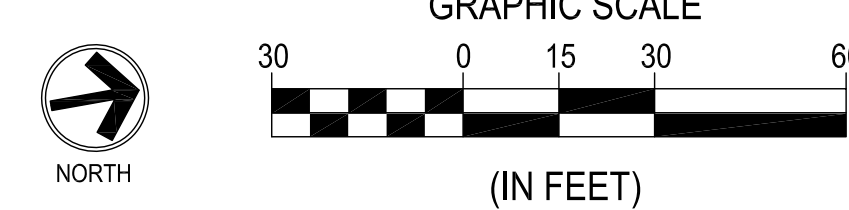
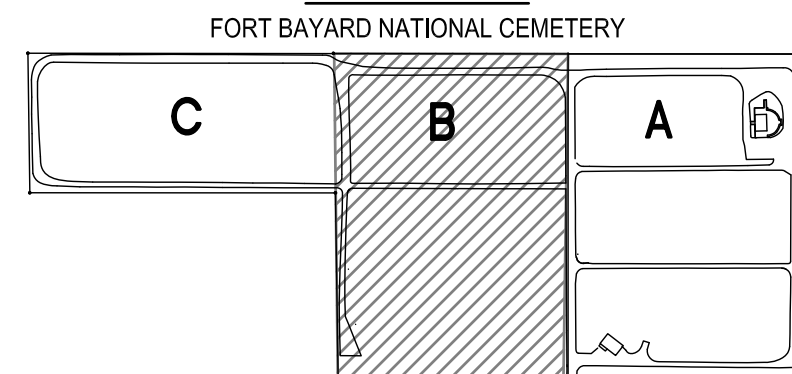
MASTER VALVE/FLOW SENSOR SETTINGS

SUBMAIN/MAIN	MASTER VALVE/ FLOW SENSOR SIZE	MAXIMUM FLOW	FLOW SENSOR SETTING	SETTLING TIME
MAIN LINE	8" M/V/FS	476 GPM	524 GPM	2 MINUTES
SUBMAIN "A"	6" M/V/FS	214 GPM (A6, A18, A21)	236 GPM	2 MINUTES
SUBMAIN "A"	1" M/V/FS	27 GPM (A7)	30 GPM	2 MINUTES
SUBMAIN "B"	6" M/V/FS	182 GPM (B9)	201 GPM	2 MINUTES
SUBMAIN "B"	1" M/V/FS	26 GPM (B2)	29 GPM	2 MINUTES
SUBMAIN "C"	4" M/V/FS	129 (C5)	142 GPM	2 MINUTES

IRRIGATION LEGEND

- 6" POTABLE WATER SUPPLY LINE. SEE UTILITY PLAN.
- MAIN LINE MASTER VALVE, CLA-VAL MODEL #136-01YBSCSK, SIZE 8". SEE DETAILS B2/1-107, AND C4/1-108 AND MASTER VALVE FLOW SETTINGS CHART, THIS SHEET.
- BOOSTER PUMP IN PUMP HOUSE. PUMP SHALL BE CANARIS MODEL NO. DE 480-70-2VS, OR EQUAL, AVAILABLE FROM JAMES COOKE & HOBSON (505-344-7100). SEE DETAILS F2/1-108 AND C4/1-108. FOR THE PUMP HOUSE REFERENCE SHEET A-131.
- BACKFLOW PREVENTER, FEBCO 860U 2" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER WITH BALL VALVES IN HOT BOX MODEL NO. 2 (OR APPROVED EQUAL) HEATED AND INSULATED ENCLOSURE. SEE DETAILS C1/1-105 AND C4/1-108.
- MAIN LINE AND LATERAL SLEEVE PIPING, CLASS 200, SDR-21, BELL-END, SOLVENT WELD PVC, SEE IRRIGATION NOTE NO. 13.
- IRRIGATION MAIN LINE, CLASS 200 O-RING AND GASKET, SIZE 8", DEPTH OF BURY 36". ALL JOINTS AT CHANGES IN DIRECTION SHALL HAVE LEMCO, INC. DUCTILE IRON FITTINGS (OR APPROVED EQUAL) WITH LEMCO, INC. LH SERIES JOINT RESTRAINTS (OR APPROVED EQUAL). ALL JOINTS IN STRAIGHT RUNS OF PIPE IMMEDIATELY UPSTREAM OR DOWNSTREAM OF A CHANGE IN DIRECTION SHALL BE RESTRAINED WITH LEMCO, INC. LH SERIES PIPE RESTRAINTS (OR APPROVED EQUAL). ALL OTHER JOINTS IN STRAIGHT RUNS OF PIPE SHALL BE O-RING AND GASKET.
- IRRIGATION SUB-MAIN, CLASS 200, O-RING GASKET END PVC, SIZES 4" & 6", DEPTH OF BURY 24" IN SECTION C AND 18" IN ALL OTHER SECTIONS. ALL JOINTS AT CHANGES IN DIRECTION SHALL HAVE LEMCO, INC. DUCTILE IRON FITTINGS (OR APPROVED EQUAL) WITH LEMCO, INC. LH SERIES JOINT RESTRAINTS (OR APPROVED EQUAL). ALL JOINTS IN STRAIGHT RUNS OF PIPE IMMEDIATELY UPSTREAM OR DOWNSTREAM OF A CHANGE IN DIRECTION SHALL BE RESTRAINED WITH LEMCO, INC. LH SERIES PIPE RESTRAINTS (OR APPROVED EQUAL). ALL OTHER JOINTS IN STRAIGHT RUNS OF PIPE SHALL BE O-RING AND GASKET. ALL SERVICE TEES FROM SUB-MAIN LINE TO REMOTE CONTROL VALVE ASSEMBLIES SHALL BE LEMCO, INC. DUCTILE IRON SERVICE (FEMALE NPT TAPPED) TEES (OR APPROVED EQUAL) WITH LEMCO, INC. LH SERIES JOINT RESTRAINTS (OR APPROVED EQUAL).
- LATERAL PIPING, CLASS 200, O-RING GASKET END PVC, SIZE AS SHOWN ON PLAN. SIZES 2" AND SMALLER SHALL BE SCH. 40, SOLVENT WELD PVC. 24" DEPTH OF BURY IN SECTION C, 18" DEPTH OF BURY IN ALL OTHER SECTIONS. PIPE CONVEYING LESS THAN 5-GPM SHALL BE 1". ALL JOINTS AT CHANGES IN DIRECTION ON SIZES 2 1/2" AND LARGER SHALL HAVE LEMCO, INC. DUCTILE IRON FITTINGS (OR APPROVED EQUAL) WITH LEMCO, INC. LH SERIES JOINT RESTRAINTS (OR APPROVED EQUAL). ALL JOINTS IN STRAIGHT RUNS OF PIPE IMMEDIATELY UPSTREAM OR DOWNSTREAM OF A CHANGE IN DIRECTION SHALL BE RESTRAINED WITH LEMCO, INC. LH SERIES PIPE RESTRAINTS (OR APPROVED EQUAL). ALL OTHER JOINTS IN STRAIGHT RUNS OF PIPE LARGER THAN 2 1/2" SHALL BE O-RING AND GASKET. REFERENCE DETAIL F7/1-107.
- 2" SCH. 40 PVC FLOWER WATER SPIGOT MAIN LINE, 36" DEPTH OF BURY.
- 1" SCH. 40 PVC PRESSURE SENSING LINE, 36" DEPTH OF BURY.
- MANUAL ISOLATION VALVE ASSEMBLY, SIZE SHALL EQUAL IRRIGATION MAIN LINE, SUB-MAIN, OR FLOWER WATER SPIGOT MAIN LINE AS SHOWN ON PLAN. VALVES SHALL BE IDENTIFIED AS SHOWN ON PLAN ("TV-M1", "TV-A1", "TV-F1" ETC.). SEE DETAIL F1/1-107 FOR IRRIGATION MAIN LINE AND SUB-MAIN ISOLATION VALVES. SEE DETAIL B1/1-107 FOR FLOWER WATER SPIGOT MAIN LINE ISOLATION VALVES.
- WATER STORAGE TANK FILL CONTROL VALVE, CLA-VAL MODEL 210-01 WITH PRESSURE SUSTAINING FEATURE (OR EQUAL), SIZE 6". INSTALL PER MANUFACTURER'S INSTRUCTIONS AND DETAILS B2/1-107 AND C4/1-108.
- SUB-MAIN "A" MASTER VALVE ASSEMBLIES: 6" MASTER VALVE SHALL BE CLA-VAL #136-01YBSCSK (OR APPROVED EQUAL). 1" MASTER VALVE SHALL BE SUPERIOR CONTROLS INC. 95 DW VALVE (OR EQUAL). WIRE MASTER VALVE "A" TO CONTROLLER "A", SEE DETAILS C1/1-108, B2/1-107 AND D2/1-106 AND MASTER VALVE FLOW SETTINGS CHART, THIS SHEET.
- SUB-MAIN "B" MASTER VALVE ASSEMBLIES: 6" MASTER VALVE SHALL BE CLA-VAL #136-01YBSCSK (OR APPROVED EQUAL). 1" MASTER VALVE SHALL BE SUPERIOR CONTROLS INC. 95 DW VALVE (OR EQUAL). WIRE MASTER VALVE "B" TO CONTROLLER "B", SEE DETAILS C1/1-108, B2/1-107 AND D2/1-106 AND MASTER VALVE FLOW SETTINGS CHART, THIS SHEET.
- SUB-MAIN "C" MASTER VALVE ASSEMBLY: CLA-VAL MODEL #136-01YBSCSK (OR APPROVED EQUAL) SIZE 4". WIRE MASTER VALVE "C" TO CONTROLLER "C", SEE DETAIL B2/1-107 AND MASTER VALVE FLOW SETTINGS CHART, THIS SHEET.
- FLOW SENSING ASSEMBLIES, RAINMASTER, 1", 4", 6", and 8" SENSOR (OR APPROVED EQUAL). 1" FLOW SENSOR SHALL BE MODEL # FS-B100, BRONZE SENSOR. 4" SENSOR SHALL BE MODEL #FS-400 PVC TEE TYPED SENSOR. 6" AND 8" SENSOR SHALL BE MODEL #FS-400 PVC SENSOR WITH FS-INSERT-B. NOTE: PROVIDE MANUFACTURER APPROVED SENSOR CABLE AS REQUIRED TO LINK BETWEEN FLOW SENSORS AND CONTROLLER. SEE DETAILS F2/1-106 AND C1/1-108 & MASTER VALVE/FLOW SENSOR SETTINGS CHART, THIS SHEET.
- REMOTE CONTROL VALVE ASSEMBLY, VALVES SHALL BE SUPERIOR CONTROLS INC. 950-DWPRS PRESSURE REGULATING VALVES (OR APPROVED EQUAL). ALL VALVES SHALL BE 24-VOLT SOLENOID VALVES WITH MANUAL ACTIVATION & FLOW CONTROL. SEE DETAIL D2/1-106.
- PRESSURE REGULATOR, WATTS SERIES U5 (OR EQUAL), SET TO 25 PSI. REFERENCE DETAIL D8/1-106.
- AIR RELEASE VALVE ASSEMBLY, ORISAL AL-20, SIZE 2" (OR APPROVED EQUAL) SEE DETAIL D5/1-106.
- QUICK COUPLING VALVE ASSEMBLY, SIZE 1", SEE DETAIL D8/1-107.
- SOLVENT WELD CAP, SCH. 40 PVC, LINE SIZE.
- FLOWER WATER STATION: INCLUDES FLOWER WATER SPIGOT, TRASH AND FLOWER VASE RECEPTACLES AND MANUAL SHUT OFF VALVE. SEE DETAIL F5/1-106 FOR REGULAR FLOWER WATER STATIONS AND DETAIL F2/1-107 FOR FLOWER WATER STATIONS WITH CONTROLLER.
- MANUAL DRAIN VALVE, SEE DETAIL F2/1-108 & MASTER VALVE/FLOW SENSOR SETTINGS CHART, THIS SHEET.
- PRESSURE SENSING LINE ISOLATION VALVE, SPEARS TRUE UNION PIP BALL VALVE (OR EQUAL), SIZE 1". SEE DETAIL B1/1-107, SIMILAR.
- GEAR DRIVE ROTARY POP-UP SPRINKLER ASSEMBLY, RAIN BIRD 8005 SERIES, 4" POP-UP. MODEL NO AS FOLLOWS: (OR APPROVED EQUAL) SEE DETAIL D2/1-107
- | MODEL NO. | RADIUS | GPM | PSI | PR |
|-----------------------|--------|------|-----|------|
| 8005-SS-SAM-10 (1/4) | 53' | 10.1 | 60 | 1.38 |
| 8005-SS-SAM-10 (1/2) | 53' | 10.1 | 60 | .69 |
| 8005-SS-SAM-10 (FULL) | 53' | 10.1 | 60 | .34 |
- | MODEL NO. | RADIUS | GPM | PSI | PR |
|-----------------------|--------|-----|-----|------|
| 8005-SS-SAM-06 (1/4) | 45' | 6.1 | 60 | 1.16 |
| 8005-SS-SAM-06 (1/2) | 45' | 6.1 | 60 | .58 |
| 8005-SS-SAM-06 (FULL) | 45' | 6.1 | 60 | .29 |
- | MODEL NO. | RADIUS | GPM | PSI | PR |
|-----------------------|--------|-----|-----|-----|
| 8005-SS-SAM-04 (1/4) | 39' | 3.8 | 60 | .96 |
| 8005-SS-SAM-04 (1/2) | 39' | 3.8 | 60 | .48 |
| 8005-SS-SAM-04 (FULL) | 39' | 3.8 | 60 | .24 |
- GEAR DRIVE ROTARY POP-UP SPRINKLER ASSEMBLY, RAIN BIRD 5000 PLUS SERIES, 4" POP-UP WITH STAINLESS STEEL RISER (MODEL NO. 5004-PL-SS-SAM), NOZZLE NO. AS FOLLOWS: (OR APPROVED EQUAL) SEE DETAIL D2/1-107.
- | NOZZLE NO. | RADIUS | GPM | PSI | PR |
|------------|--------|------|-----|-----|
| MPR-35-Q | 35' | 1.92 | 45 | .60 |
| MPR-35-T | 35' | 2.46 | 45 | .58 |
| MPR-35-H | 35' | 3.81 | 45 | .60 |
| MPR-35-F | 35' | 7.58 | 45 | .60 |
- | NOZZLE NO. | RADIUS | GPM | PSI | PR |
|------------|--------|------|-----|-----|
| MPR-30-Q | 30' | 1.40 | 45 | .60 |
| MPR-30-T | 30' | 1.85 | 45 | .59 |
| MPR-30-H | 30' | 2.96 | 45 | .63 |
| MPR-30-F | 30' | 5.78 | 45 | .62 |
- | NOZZLE NO. | RADIUS | GPM | PSI | PR |
|------------|--------|------|-----|-----|
| MPR-25-Q | 25' | 1.00 | 45 | .62 |
| MPR-25-T | 25' | 1.38 | 45 | .64 |
| MPR-25-H | 25' | 1.98 | 45 | .61 |
| MPR-25-F | 25' | 3.82 | 45 | .59 |
- POP-UP SPRAY SPRINKLER ASSEMBLY, RAIN BIRD 1800 SERIES, MODEL #1804-PRS, 4" POP-UP. NOZZLE NO AS FOLLOWS: (OR APPROVED EQUAL) SEE DETAIL D2/1-107.
- | NOZZLE NO. | RADIUS | GPM | PSI | PR |
|------------|--------|------|-----|------|
| MPR-12-Q | 12' | 0.65 | 30 | 2.01 |
| MPR-12-T | 12' | 0.87 | 30 | 2.01 |
| MPR-12-H | 12' | 1.30 | 30 | 2.01 |
| MPR-12-TQ | 12' | 1.95 | 30 | 2.01 |
| MPR-12-F | 12' | 2.60 | 30 | 2.01 |
- | NOZZLE NO. | RADIUS | GPM | PSI | PR |
|------------|--------|------|-----|------|
| MPR-15-Q | 15' | 0.92 | 30 | 1.58 |
| MPR-15-T | 15' | 1.23 | 30 | 1.58 |
| MPR-15-H | 15' | 1.85 | 30 | 1.58 |
| MPR-15-TQ | 15' | 2.78 | 30 | 1.58 |
| MPR-15-F | 15' | 3.7 | 30 | 1.58 |
- | NOZZLE NO. | RADIUS | GPM | PSI | PR |
|------------|--------|------|-----|------|
| MPR-05-Q | 5' | 0.1 | 30 | 0.70 |
| MPR-05-H | 5' | 0.21 | 30 | 0.70 |
| MPR-05-F | 5' | 0.42 | 30 | 0.71 |
- BUBBLER ASSEMBLY, RAIN BIRD 1400 SERIES PRESSURE COMPENSATING BUBBLERS. MODEL NO AS FOLLOWS: (OR APPROVED EQUAL) SEE DETAIL D1/1-106. FOR BUBBLER LAYOUT AT TREES, SEE DETAIL F1/1-106.
- 1401 (1 PER SHRUB) .25
1402 (1 PER SHRUB) .50
1402 (3 PER TREE) 1.50 (TOTAL)
- MAINLINE CONTROLLER: RAINMASTER DX-X-SPED-T WITH PMR KIT AND DX-FLOW (OR APPROVED EQUAL). WALL MOUNT. INSTALL PER DETAIL B1/1-106.
- IRRIGATION SUB-MAIN CONTROLLERS, RAINMASTER DX-X-SPED-T WITH PMR KIT AND DX-FLOW IN STAINLESS STEEL CABINET (OR APPROVED EQUAL). SEE DETAILS F8/1-106 AND F2/1-107.
- PROVIDE AND INSTALL ONE RAINMASTER P-M-XMTR REMOTE RADIO TRANSMITTER (OR APPROVED EQUAL) AS REQUIRED TO OPERATE PROMAX HAND HELD REMOTE SYSTEM.
- CONTROLLERS SHALL BE GROUNDED PER DETAIL D1/1-107 AND PER MANUFACTURER'S REQUIREMENTS TO MAINTAIN WARRANTY. CONTRACTOR SHALL TEST GROUNDING AND PROVIDE DOCUMENTATION OF TESTS TO OWNER.
- CONTRACTOR SHALL PROVIDE TWO (2) PROMAX HAND HELD REMOTE UNITS.

KEY PLAN



100% CONSTRUCTION DRAWINGS

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