NOTE: THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY THE CONTRACTOR. THE INFORMATION PROVIDED BY THE CONTRACTOR IS BELIEVED TO BE RELIABLE AND CORRECT, HOWEVER AQUA ENGINEERING IS NOT RESPONSIBLE FOR ITS ACCURACY, NOR FOR ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THESE DRAWINGS AS A RESULT.

LEGEND

SLEEVING
*SCH 40 PVC
*SIZE PER SLEEVE SIZING SCHEDULE

— IR — MAINLINE PIPE
*TYPE: SCH 40 PVC
*2-INCH SIZE UNLESS OTHERWISE NOTED

— F — FLOW SENSOR CABLE
*TYPE PER SPECIFICATIONS

LATERAL PIPE TO SPRINKLERS
*TYPE: SCH 40 PVC
*1-INCH UNLESS OTHERWISE NOTED

TREE EMITTER HEADER PIPE
*TYPE: SCH 40 PVC
*1-INCH UNLESS OTHERWISE NOTED

SHRUB EMITTER LATERAL PIPE
*TYPE: SCH 40 PVC
*DRIP EMITTERS: BOWSMITH SL 200
*1-INCH UNLESS OTHERWISE NOTED

UNCONNECTED PIPE CROSSING

POINT-OF-CONNECTION (P.O.C.)

WATER METER ASSEMBLY (SEE UTILITY PLANS)

REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY (SEE UTILITY PLANS)

FLOW SENSOR ASSEMBLY
*"TRAILHEAD" P.O.C. "A": RAINBIRD FS-150P *SIZE: 1-1/2-INCH
*"PARK" P.O.C. "B": RAINBIRD FS-150P *SIZE: 1-1/2-INCH

ISOLATION GATE VALVE ASSEMBLY
*NIBCO T-113K
*NOMINAL SIZE OF GATE VALVE TO MATCH NOMINAL MAINLINE SIZE

QUICK COUPLING VALVE ASSEMBLY
*RAINBIRD 44NP
*SIZE: 1-INCH

REMOTE CONTROL VALVE ASSEMBLY
*RAINBIRD PEB
*SIZE AS SHOWN ON PLANS
*SCHEDULE 80 COMPACT BALL VALVE: SPEARS OR EQUAL

DRIP REMOTE CONTROL VALVE ASSEMBLY
*RAINBIRD PEB
*SIZE AS SHOWN ON PLANS
*SCHEDULE 80 COMPACT BALL VALVE: SPEARS OR EQUAL
*RAINBIRD RBY-100MPTX WITH 150 MESH SCREEN
*RAINBIRD PSI-M40X-100

FLUSH VALVE ASSEMBLY
*SCHEDULE 80 COMPACT BALL VALVE: SPEARS OR EQUAL

POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM-PRS W/ 10 SERIES
NOZZLE PRESSURE: 30 PSI RADIUS: 10 FEET
FLOW (GPM): Q - 0.39 H - 0.79 F - 1.58

POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM-PRS W/ 12 SERIES
NOZZLE PRESSURE: 30 PSI RADIUS: 12 FEET
FLOW (GPM): Q - 0.65 H - 1.30 F - 2.60

POP-UP SPRAY SPRINKLER: RAIN BIRD 1806-SAM-PRS W/ 15 SERIES
NOZZLE PRESSURE: 30 PSI RADIUS: 15 FEET
FLOW (GPM): Q - 0.92 H - 1.85 F - 3.70

POP-UP GEAR DRIVEN ROTOR SPRINKLER: RAIN BIRD 5006-PL-MPR-SAM-R-SS-25
PRESSURE: 35 PSI RADIUS: 24 FEET
FLOW (GPM): PC: Q - 0.88 H - 1.73 FC: F - 3.34

POP-UP GEAR DRIVEN ROTOR SPRINKLER: RAIN BIRD 5000-PL-MPR-SAM-R-SS-30
PRESSURE: 35 PSI RADIUS: 30 FEET
FLOW (GPM): PC: Q - 1.23 H - 2.59 FC: F - 5.08

POP-UP GEAR DRIVEN ROTOR SPRINKLER: RAIN BIRD 5000-PL-MPR-SAM-R-SS-35
PRESSURE: 35 PSI RADIUS: 34 FEET
FLOW (GPM): PC: Q - 1.67 H - 3.33 FC: F - 6.62

INLINE DRIP TREE RING ASSEMBLY
*NETAFIM OR EQUAL
*EMITTER FLOW RATE: 0.6 GPH
*EMITTER SPACING: 12-INCHES O.C.

(A) IRRIGATION CONTROLLER ASSEMBLY:
"TRAILHEAD" CONTROLLER A: RAINBIRD ESP-24-SITE-S-TE-REM-WH24-AG2401-GFI-PANEL-FS011-GROUNDING-TRC
24 STATIONS AVAILABLE, 20 STATIONS USED

(B) "PARK" CONTROLLER B: RAINBIRD ESP-24-SITE-S-TE-REM-WH24-AG2401-GFI-PANEL-FS011-GROUNDING-TRC
24 STATIONS AVAILABLE, 14 STATIONS USED

A1 / 19 / 1" / SPK
INDICATES CONTROLLER AND CONTROLLER STATION NUMBER
INDICATES LATERAL DISCHARGE IN GPM
INDICATES REMOTE CONTROL VALVE SIZE IN INCHES
SPK = SPRINKLER LATERAL
T = TREE DRIP LATERAL
S = SHRUB DRIP LATERAL
SPK = SPRINKLER LATERAL

VALVE BOXES
*CHRISTY PRECAST CONCRETE VALVE BOXES
*UTILITY VALVE BOX WITH LOCKING METAL LID: CHRISTY B65 OR EQUAL
*ROUND VALVE BOX WITH LOCKING METAL LID: CHRISTY G3 OR EQUAL

"AS-BUILT" RECORD DRAWINGS

Aqua Engineering Inc.
Innovative Water Solutions

DEPARTMENT OF PUBLIC WORKS

CITY OF LAS VEGAS NEVADA

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LAS VEGAS, NEVADA
IRRIGATION LEGEND

IRRIGATION RECORD DRAWINGS

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