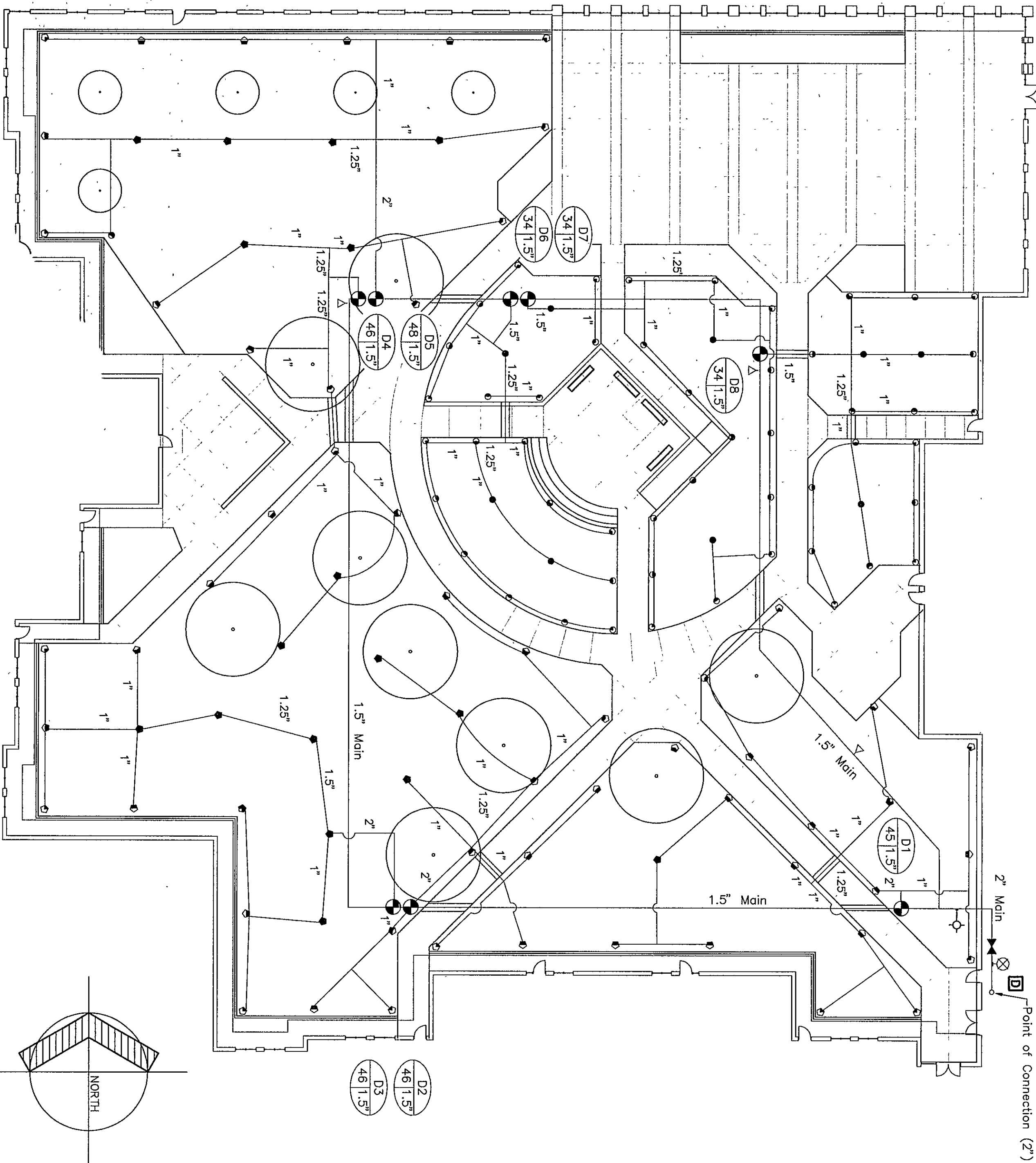
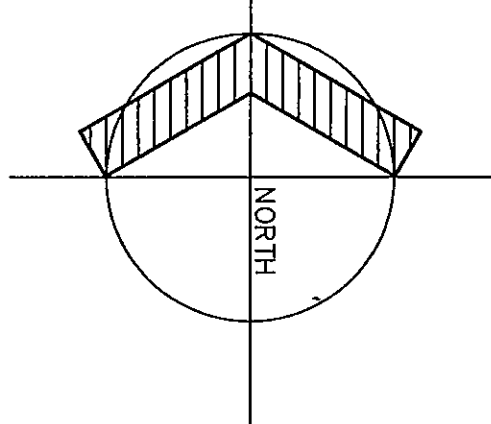


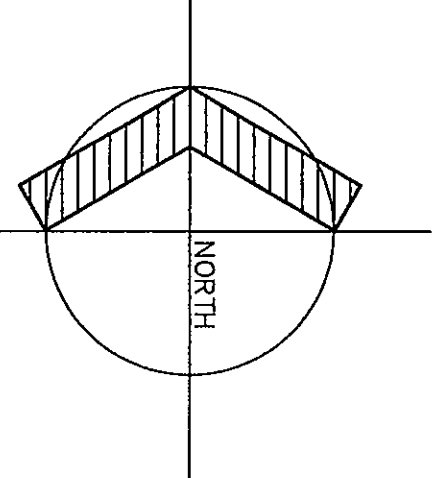
**SOCCER FIELD IRRIGATION PLAN**

SCALE: 1" = 50'-0"



**COURTYARD IRRIGATION PLAN**

SCALE: 1" = 20'-0"



# **SOCCER FIELD GENERAL NOTES**

1. This drawing is for diagrammatic purposes only. Actual layout of sprinkler heads, valves, controller and other equipment shall be determined on site for working location of all site utilities and existing structures.
2. Contractor is responsible for installing a Toro rain switch in the irrigation system as designed.
3. Contractor is responsible for coordinating mounting of equipment, and its location, with owner. Coordinate mounting of equipment, and its location, with owner.
4. All fittings are to be Schedule 40 PVC.
5. The lateral lines within the field shall be Class 160 PVC. The lateral lines within the field shall be Class 160 PVC. The lateral lines within the field shall be Class 160 PVC.
6. Toro 640 irrigation head shall be installed with the cap 1/2" below finished grade of the field.
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# **SOCCER FIELD LEGEND**

- Manline - 3" Class 200 PVC (solvent-weld)
- Lateral - Class 200 or 160 PVC (solvent-weld, sized as shown)
- Centrifugal Pump: Commercial Pump model #CCT-65-75-3500-460 (7.5 HP/460 Volt three-phase) with C.A.-wires.
- Reduced Pressure Backflow Preventer (Retro #2521-2)
- Controller: Toro #TC-55-03
- Weathermatic LMC-19 controller (with pedestal)
- NBCO T113-IRR-300 (3") Bronze threaded gate valve
- 1.5" female-threaded coupling (for winter blow-out connection)
- Control Valve: Toro #252-26-05 or Weathermatic #21024E-20 (above 56 gpm) #21024E-15 (between 56-30 gpm)
- Toro 640 Check-O-Matic Turf Heirs (with nozzle #43 @ 65 psi = 16.3 gpm)
- Top = Station number on controller
- Bottom Left = Size of Toro valve
- Bottom Right = Size of Toro valve

# **COURTYARD GENERAL NOTES**

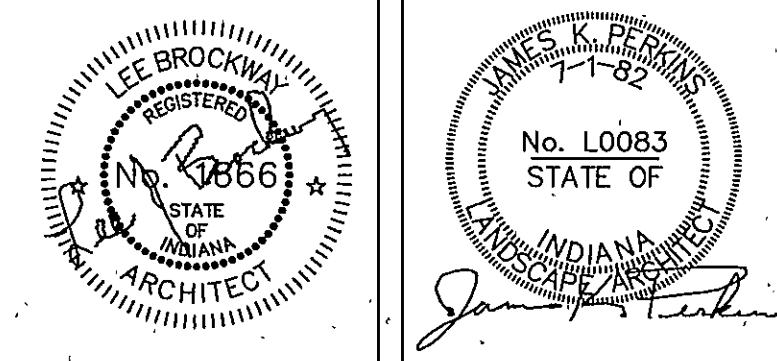
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# **COURTYARD LEGEND**

- Manline - 3" and 1.5" Class 200 PVC (solvent-weld)
- Lateral - Class 160 or 200 PVC (solvent-weld, sized as shown)
- Sleeve SCH 40 PVC (3")
- Toro Vision II 12-action Controller (189-06-01) or Weathermatic's LMC-14 controller
- Reduced Pressure Assembly backflow preventer (Retro #2521-15)
- Line-size brass ball valves (Ferroval #56-200 and #56-150) in valve boxes.
- 1" female-threaded coupling (for winter blow-out connection)
- Quick Coupler: Toro #471-00 or Weathermatic #W-100 on swing joints, in valve boxes.
- Control Valve: Toro #252-26-06 or Weathermatic #21024E-15
- Toro 300 Series Spray Pattern Nozzle (mounted on FunnPipe or flexible cutoff riser):
- Spray Heads with MPZ nozzles and special-pattern nozzles (with PC option, if available). Use Toro's 5702 spray heads (8,10,12 or 15' series), with appropriate special-pattern nozzle coverage of the conditions as they exist on site.
- Top = Zone/Controller station assignment
- Bottom Left = Size of Toro valve
- Bottom Right = Size of Toro valve

THE NEW  
**CHESTERTON HIGH SCHOOL**  
FOR THE  
DUNELAND SCHOOL CORPORATION  
CHESTERTON, INDIANA

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Architects Engineers Consultants

**IRRIGATION PLAN - SOUTH**

DRAWN BY: NJK  
CHECKED BY: JKP  
COMM. NO.: 95067.00  
DATE: APRIL 21, 1997

**SU2.9**

REVISIONS NO. DATE

CHESTERTON HIGH SCHOOL  
95067.00 PHASE 2