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PROJECT TITLE:
MURPHEY MIDDLE SCHOOL P.E. BUILDING
PROJECT #
B-17-005-3756.1

REVISIONS			
REV	DATE	APPROV	REVISION
1	11-01-2018	RJW	POWER ON PUMP NEW
2	11-20-2018	RJW	ISSUED FOR BIDD

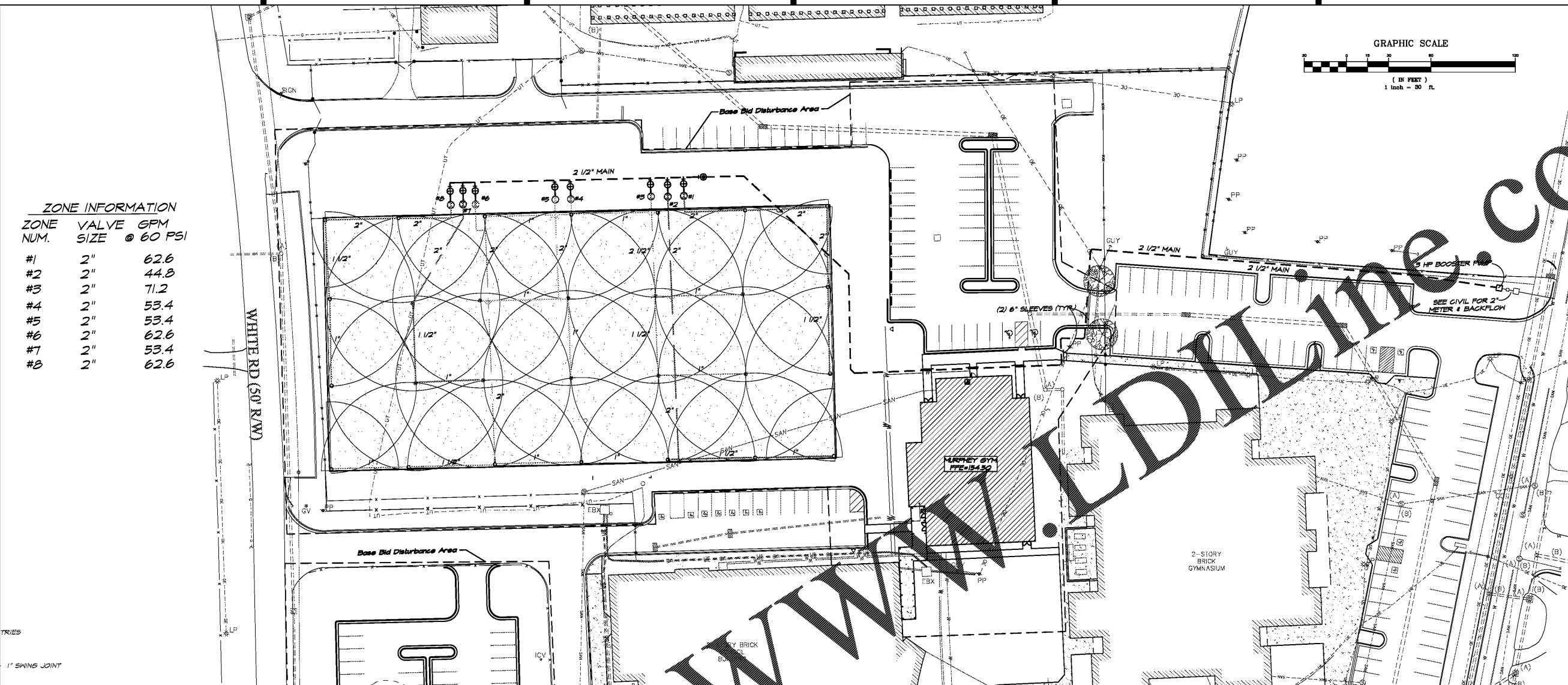
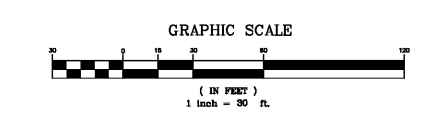


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DA PROJECT NUMBER & NAME:
1707.1

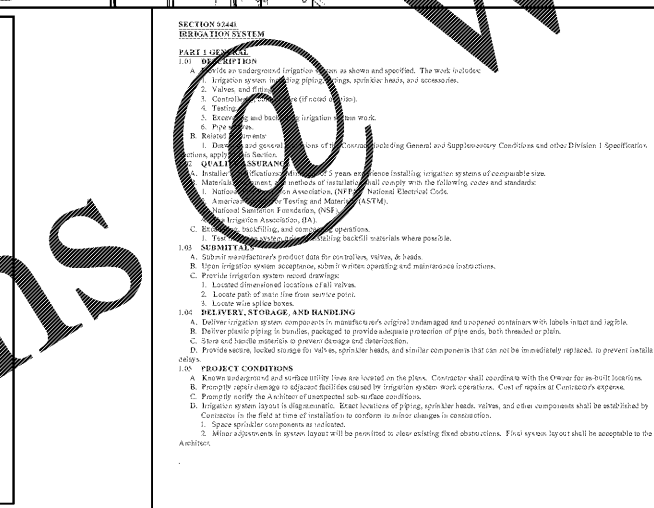
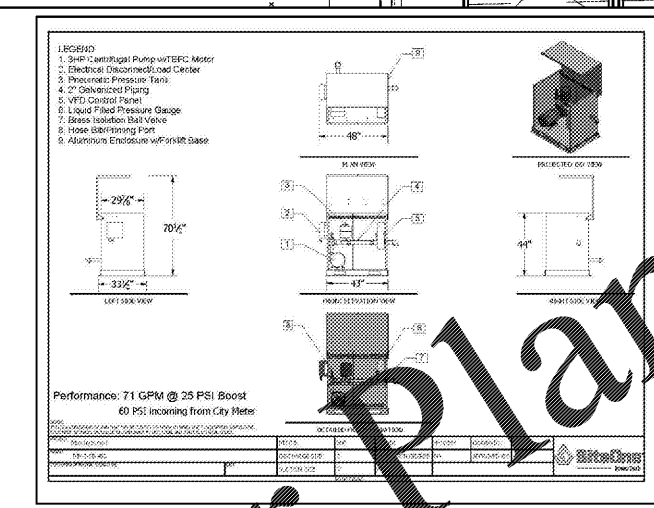
DRAWING TITLE:
IRRIGATION PLAN

DRAWING NO:
L1.2



ZONE INFORMATION

ZONE NUM.	VALVE SIZE	GPM @ 60 PSI
#1	2"	62.6
#2	2"	44.8
#3	2"	71.2
#4	2"	53.4
#5	2"	53.4
#6	2"	62.6
#7	2"	53.4
#8	2"	62.6



PART 2 PRODUCTS
201. ACCEPTABLE MANUFACTURERS
A. Manufacturer: **BOOSTER**

202. MATERIALS
A. General:
1. Provide only new materials, without flaws or defects and of the highest quality of their specified class and kind.
2. Comply with pipe sizes indicated. No substitution of smaller pipes will be permitted. Larger sizes may be used subject to acceptance of the Architect. Re-use changed and defective pipe.
3. Furnish pipe connections and pipe assembly marked with manufacturer's name of trademark, size, schedule and type of pipe, working pressure at 73 degrees F, and National Sanitation Foundation (NSF) approval.
B. Flexible pipe, fittings, and connections:
1. Polypropylene pipe: ASTM D2031, rigid, ungalvanized PVC, extruded from virgin polymer material. Provide pipe in segments throughout and free from kinks, rips, holes, rips, cracks, wrinkles, and defects.
2. PVC pipe fittings: ASTM D2031, schedule 40 PVC, ungalvanized fittings suitable for solvent weld. Slip joint fittings, and, if warranted, connections. Fittings made of other materials are not permitted.
3. Schedule 40 PVC, ungalvanized 48 PVC, ungalvanized fittings suitable for solvent weld. Slip joint fittings, and, if warranted, connections. Fittings made of other materials are not permitted.
4. Use male adapters for plastic to metal connections. Head fittings make adapters slip on over with a snap wrench.
5. Refer to dimension materials list.
C. Sprinkler heads, valves, and associated equipment:
1. Refer to dimension materials list.
2. Electrical control valve:
a. Electrical control and ground wire. Shall be color-coded and shall be approved for direct burial. Wire shall be rigid from the controller to the valves.
b. Wire color code: Provide color or "hot" wire either black or red in color. Provide common or "ground" wire either white or color. Wire splices shall be in a box.
D. ACCESSORIES:
1. Drainage fill: 1/2" to 3/4" washed pea gravel.
2. Wire color code: Provide color or "hot" wire either black or red in color. Provide common or "ground" wire either white or color. Wire splices shall be in a box.
E. VALVES:
1. Provide inground ball valves in galvanized steel, cast iron, or brass. Obtain right and left hand valves for inground materials.
2. Provide inground ball valves in galvanized steel, cast iron, or brass. Obtain right and left hand valves for inground materials.
3. Valve access boxes: Tapered enclosures of rigid plastic in standard configuration of three components: horizontally hinged and unfastened by a lock; vertically hinged and unfastened by a lock; and a cover. Provide fill of same material, same to color. Size according to number of valves in box.
4. 2" deep x 18" long x 12" wide base dimensions.
5. 10" deep x 12" diameter base dimensions.
6. 2" deep x 18" diameter base dimensions.

PART 3 EXECUTION
301. INSPECTION
A. Examine field conditions and installation conditions. Do not start irrigation system until satisfactory conditions are corrected. If work is started these conditions will be corrected as applicable.
302. PREPARATION
A. Layout and locate the location of each pipe run and all sprinkler heads and sprinkler valves.
B. Place valves in locations for installation of piping and control wires.
303. INSTALLATION
A. Excavating and backfilling:
1. Excavate to a minimum depth of 18 inches below the finished grade and backfill with approved material.
2. Excavate to a minimum depth of 18 inches below the finished grade and backfill with approved material.
3. If the piping method is used, the pipe "block" shall have a minimum pipe diameter and riser height for the pipe and riser. The riser shall be 1" for 2" pipe.
4. Backfilling to depth required to provide 2" depth of earth fill or sand bedding for piping when rock or other non-suitable bedding material is encountered.
5. If the trench adjacent grade dimensions are as indicated, the trench shall be 18" deep and 12" wide and 12" high. The trench shall be 18" deep.
6. Install irrigation lines with a maximum cover of 12" based on finished grade.

IRRIGATION KEY:
NOTE: ALL IRRIGATION EQUIPMENT SHALL BE HUNTER INDUSTRIES

(A) 1/2-06-09 90 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 50" R, 9.2 GPM @ 60 PSI.

(B) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(C) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(D) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(E) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(F) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(G) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(H) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(I) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(J) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(K) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(L) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(M) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(N) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(O) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(P) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(Q) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(R) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(S) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(T) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(U) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(V) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(W) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(X) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(Y) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

(Z) 1/2-06-09 120 NOZZLE ROTOR HEAD ON A HSL-125-212 - 1" SWING JOINT 62" R, 17.8 GPM @ 60 PSI.

