

WOLF SWAMP PARK RENOVATION OF THE ATHLETIC FIELDS
735 LONGMEADOW STREET
LONGMEADOW, MASSACHUSETTS

- IRRIGATION NOTES
- COORDINATE FINAL LOCATION OF SPRINKLERS AND NOZZLE SELECTION W/ FINAL APPROVED LANDSCAPE.
 - PIPE AND VALVE LOCATIONS ARE DIAGRAMMATIC; CONTRACTOR SHALL FIELD VERIFY.
 - CONTROL WIRE SHALL BE #14 GAUGE DTS FROM DECODERS TO VALVES. TWO-WIRE COMMUNICATION CABLE FROM CONTROLLER TO VALVES SHALL BE #12 GAUGE POLYETHYLENE DOUBLE JACKETED SOLID CORE BLUE, DESIGNED FOR DIRECT BURIAL. SUFFICIENT SLACK SHOULD BE LEFT IN COMMUNICATION CABLE AT DECODER LOCATIONS TO BRING DECODERS ABOVE GRADE.
 - QUICK COUPLING VALVES SHALL BE INSTALLED ON 1 INCH PVC SWING JOINTS WITH BRASS INSERTS AND STABILIZERS. (SEE DETAIL)
 - SPRAY AND MEDIUM ROTARY SPRINKLERS SHALL BE INSTALLED ON 1/2" AND 3/4" PREFABRICATED UNITIZED SWIVEL JOINT ASSEMBLIES WITH INTEGRAL O-RINGS, RESPECTIVELY. LARGE ROTARY SPRINKLERS SHALL BE INSTALLED ON 1-INCH PVC PREFABRICATED UNITIZED SWIVEL JOINT ASSEMBLIES WITH INTEGRAL O-RINGS.
 - IRRIGATION SYSTEM IS DESIGNED TO SUPPLY 220 GPM MAX FROM NEW GROUNDWATER WELL AND CISTERN. SYSTEM TO PRODUCE 80-PSI DYNAMIC PRESSURE.
 - INSTALL CONTROLLER IN ENCLOSURE AT EXTERIOR BUILDING WALL, GENERALLY WHERE SHOWN ON THE DRAWINGS; HARD WIRE TO 120 VOLT POWER SUPPLY. ROUTE COMMUNICATION CABLE TO CONTROLLER VIA CONDUIT.
 - INSTALL RAIN SENSOR ON EXTERIOR BUILDING EAVE WHERE DIRECTED BY OWNER'S REPRESENTATIVE.

- IRRIGATION NOTES
- ABOVE GROUND WIRING, INSIDE AND OUTSIDE OF BUILDING, SHALL BE INSTALLED IN SCHEDULE 40 PVC CONDUIT.
 - COORDINATE LOCATION OF EXISTING AND FUTURE UTILITIES ON SITE AND CONTACT PROPER AUTHORITIES AND UTILITY COMPANIES BEFORE THE START OF WORK.
 - FLUSH LATERAL LINES BEFORE INSTALLING SPRINKLERS.
 - CONTRACTOR MUST PROVIDE PRODUCT SUBMITTALS AS PER THE WRITTEN SPECIFICATIONS TO THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO ORDERING MATERIAL AND BEGINNING WORK.
 - ONCE APPROVED SUBMITTALS HAVE BEEN RETURNED TO THE CONTRACTOR, WORK MAY BEGIN. THE OWNER'S REPRESENTATIVE MUST BE NOTIFIED A MINIMUM OF 7-DAYS IN ADVANCE OF THE START OF WORK TO COORDINATE ON-SITE SUPERVISION AND ADMINISTRATION.
 - SEE IRRIGATION DETAILS AND SPECIFICATIONS SECTION 328400 FOR ADDITIONAL NECESSARY INFORMATION.

IRRIGATION LEGEND			
SYMBOL	PSI	SPACING	DESCRIPTION
<div><div>Q H F</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	60	60'	LARGE ROTARY SPRINKLER WITH CHECK VALVE (STANDARD NOZZLES)
<div><div>Q H F</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	60	55'	
<div><div>Q H F</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	60	50'	
<div><div>Q H F</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	60	45'	
<div><div>Q H F</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	50	35'	SMALL ROTARY SPRINKLER WITH CHECK VALVE (STANDARD NOZZLES)
<div><div>Q H F</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	50	25'	
<div><div>Q H F</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	40	25'	MP3000 ROTARY NOZZLE ON 6-INCH SPRAY SPRINKLER
<div><div>Q H F</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	40	18'	MP2000 ROTARY NOZZLE ON 6-INCH SPRAY SPRINKLER
<div><div>Q H F</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	40	12'	MP1000 ROTARY NOZZLE ON 6-INCH SPRAY SPRINKLER
<div><div>Q H F</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	40	12'	MPCORNER ROTARY NOZZLE ON 6-INCH SPRAY SPRINKLER
<div><div>Q H F</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	30	15'	6-INCH POP UP SPRAY SPRINKLER W/ CHECK VALVE AND PRESS. REG.
<div><div>Q H F</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	30	12'	
<div><div>Q H F</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	30	10'	
<div><div>Q H F</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	30	8'	
<div><div>Q H F</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	30	5'	
<div><div>Q H F</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	30	4'x30'	
<div><div>Q H F</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	30	4'x15'	
<div><div>Q H F</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>	24 VOLT ELECTRIC ZONE VALVE (SEE VALVE DESIGNATOR FOR FLOW AND SIZES) ISOLATION GATE VALVE 1" QUICK COUPLING VALVE AIR RELEASE VALVE 24 VOLT ELECTRIC ZONE VALVE W/ DISK FILTER (MP ROTATORS) (SEE VALVE DESIGNATOR FOR FLOW AND SIZES) CLASS-200 PVC LATERAL PIPING (SIZE AS INDICATED, ALL UNLABELED PIPE TO BE 1 INCH) CLASS-200 PVC MAINLINE PIPING, SIZE AS INDICATED COMMUNICATION CABLE WIRE PATH A, WITH ORANGE CABLE COMMUNICATION CABLE WIRE PATH B, WITH BLUE CABLE 2" POTABLE COPPER PIPING CLASS-160 PVC PIPE SLEEVE (SIZE AS INDICATED) INSTALL SCH-40 PVC WIRE CONDUIT ADJACENT TO ALL MAINLINE PIPE SLEEVES, MINIMUM WIRE CONDUIT SIZE TO BE 2-INCH, UNLESS OTHERWISE NOTED. SEE SLEEVING DETAIL. AUTOMATIC WEATHER SENSOR LIGHTNING ARRESTOR/GROUND AUTOMATIC CONTROLLER GROUNDWATER WELL MASTER VALVE FLOW SENSOR EZ FLO FERTIGATION VALVES FERTIGATION TANK CHECK VALVE		
VALVE DESIGNATION:			
<div><div>A</div><div>25</div><div>1"</div></div>	STATION NO. FLOW VALVE SIZE		

