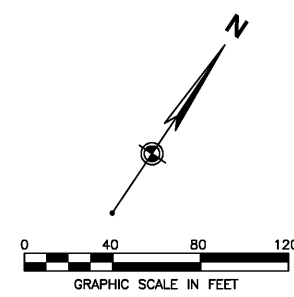


**irrigation**  
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SYMBOL	PSI	SPACING	DESCRIPTION
	30	15'	6-INCH POP UP SPRAY SPRINKLER WITH CHECK VALVE AND PRESSURE REGULATION
	30	12'	
	30	10'	
	30	8'	
	30	5'	
	30	4'x30'	24 VOLT ELECTRIC ZONE VALVE (SEE VALVE DESIGNATOR FOR FLOW AND SIZES) 1" 24 VOLT ELECTRIC ZONE VALVE WITH DISK FILTER (DRIP) (SEE VALVE DESIGNATOR FOR FLOWS)
	30	4'x15'	
	95	12"	IN-LINE EMITTER DRIP TUBING TREE RING, SEE DETAILS
	95	12'x18"	IN-LINE EMITTER DRIP TUBING
			ISOLATION GATE VALVE
			1" QUICK COUPLING VALVE

SYMBOL	DESCRIPTION
	MANUAL FLUSHING VALVE
	BACK FLOW PREVENTION DEVICE IN ENCLOSURE (FINAL LOCATION TO BE DETERMINED)
	AUTOMATIC CONTROLLER
	WIRELESS RAIN SENSOR
	CLASS-200 PVC OR POLYETHYLENE LATERAL PIPING (SEE LATERAL PIPE SCHEDULE)
	2" CLASS-200 PVC MAINLINE PIPING
	CLASS-160 PVC PIPE SLEEVE (SIZE AS INDICATED) INSTALL 2-40 PVC WIRE CONDUIT ADJACENT TO ALL MAINLINE PIPE SLEEVES, MINIMUM WIRE CONDUIT SIZE TO BE 2-INCH, UNLESS OTHERWISE NOTED. SEE SLEEVING DETAIL.

VALVE DESIGNATION:	
	STATION NO.
	FLOW
	VALVE SIZE

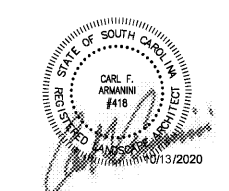
LATERAL PIPE SCHEDULE	
FLOW	PIPE SIZE / TYPE
0-12 GPM	1 INCH 100 PSI POLYETHYLENE OR CLASS-200 PVC
12-22 GPM	1-1/4 INCH 100 PSI POLYETHYLENE OR CLASS-200 PVC
23-35 GPM	1-1/2 INCH CLASS-200 PVC

- IRRIGATION NOTES**
- COORDINATE FINAL LOCATION OF DRIP TUBING, SPRINKLERS AND NOZZLE SELECTION WITH FINAL APPROVED LANDSCAPE.
  - PIPE AND VALVE LOCATIONS ARE DIAGRAMMATIC, CONTRACTOR SHALL FIELD VERIFY.
  - VALVES AND VALVE BOXES SHALL BE PLACED, WHERE POSSIBLE, IN PLANTED AREAS UNDER MULCH.
  - INSTALL PIPING AS FAR FROM TREES AND ROOT BALLS AS POSSIBLE WHILE MAINTAINING SPRINKLER AND DRIP TUBE SPACING.
  - CONTROL WIRE SHALL BE #14 GAUGE SINGLE STRAND, RED FOR TURF ZONES AND ORANGE FOR DRIP, COMMON WIRE SHALL BE #14 GAUGE SINGLE STRAND WHITE AND SPARE WIRES, INSTALLED WHERE SHOWN, SHALL BE #14 GAUGE SINGLE STRAND BLUE.
  - QUICK COUPLING VALVES SHALL BE INSTALLED ON 1 INCH PVC SWING JOINTS WITH BRASS INSERTS AND STABILIZERS. (SEE DETAIL)
  - SPRINKLERS SHALL BE INSTALLED ON SWING PIPE ASSEMBLIES, MINIMUM LENGTH TO BE 6 INCHES, 18 INCH MAXIMUM.
  - IRRIGATION SYSTEM IS DESIGNED TO SUPPLY 30 GPM MAX FROM NEW 2 INCH SERVICE. SYSTEM TO PRODUCE 50-PSI DYNAMIC PRESSURE AT IRRIGATION CONTRACTORS POINT OF CONNECTION IN LANDSCAPED AREA.
  - CONTRACTOR SHALL TEST STATIC PRESSURE BEFORE STARTING WORK, REPORT ANY DEVIATION FROM PRESSURE REQUIRED TO OWNER'S REPRESENTATIVE BEFORE CONTINUING.

- IRRIGATION NOTES**
- INSTALL CONTROLLER IN MAINTENANCE STORAGE ROOM 107 AS DIRECTED BY OWNER'S REPRESENTATIVE, HARD WIRE TO 120 VOLT BUILDING POWER SUPPLY, ROUTE ZONE AND SPARE WIRES TO CONTROLLER VIA 2 INCH CONDUIT.
  - INSTALL WIRELESS RAIN SENSOR ON OUTSIDE OF BUILDING WALL WHERE DIRECTED BY OWNER'S REPRESENTATIVE.
  - COORDINATE LOCATION OF EXISTING AND FUTURE UTILITIES ON SITE AND CONTACT PROPER AUTHORITIES AND UTILITY COMPANIES BEFORE THE START OF WORK.
  - IN-LINE DRIP TUBING TO BE INSTALLED 6" FROM ALL MASONRY WALLS, PLANTER SIDE WALLS, AND CURBING, ON AN 18" CENTER TO CENTER ROP SPACING.
  - FLUSH LATERAL LINES BEFORE INSTALLING IN-LINE DRIP TUBING OR SPRINKLERS.
  - STAKE IN-LINE DRIP TUBING AT MINIMUM 5 FOOT INTERVALS TO PREVENT MOVEMENT.
  - IN-LINE DRIP TUBING TO BE INSTALLED 4" BELOW GRADE UNDER MULCH. NO DRIPPER LINE TUBING SHALL BE VISIBLE.
  - INSTALL MANUAL FLUSH PORTS AT LOWEST POINT OF EXHAUST HEADER, GENERALLY WHERE SHOWN ON THE DRAWINGS.
  - 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.

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**Indian Land Soccer Complex**

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Proj. No.: 80702  
Date: 10/13/2020

Sheet Name:  
**Irrigation Plan**

L-800