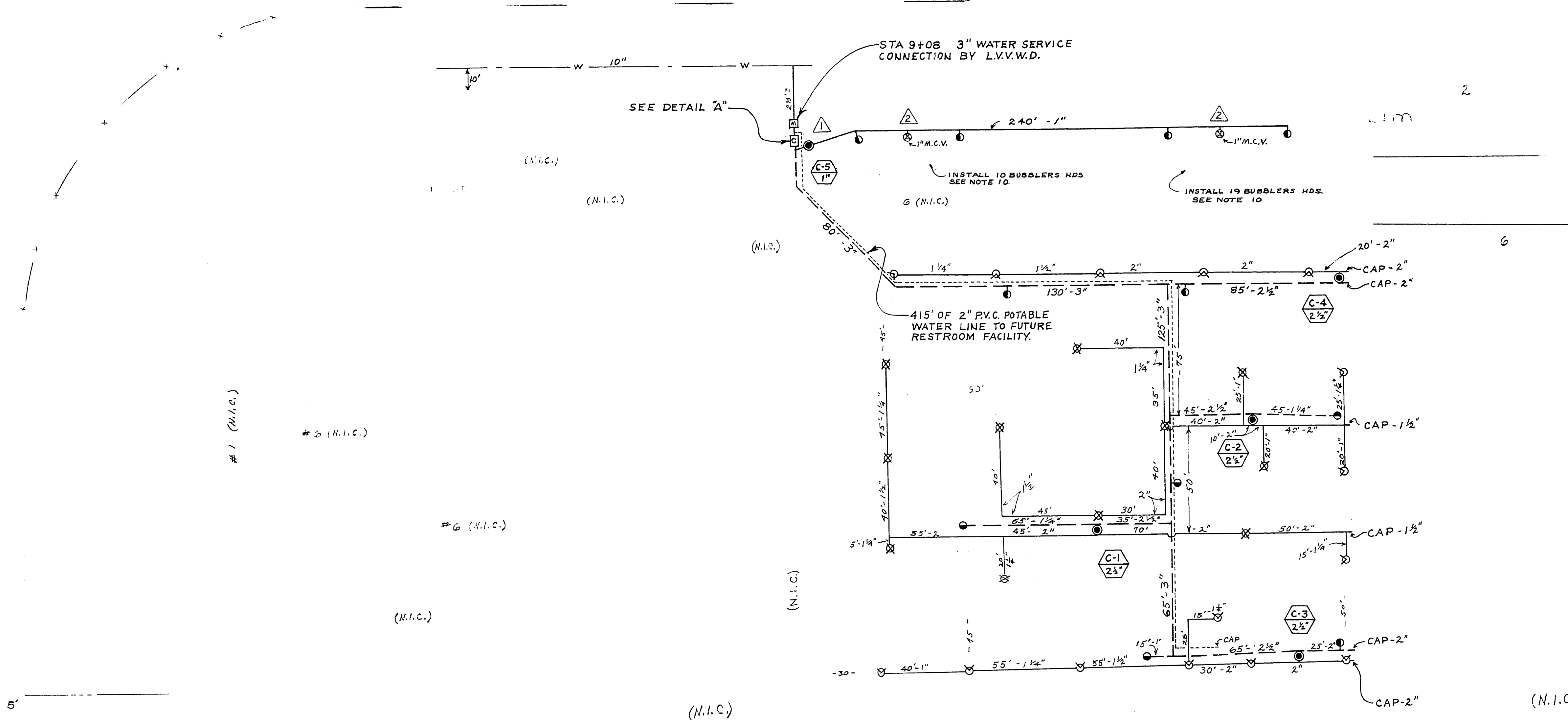
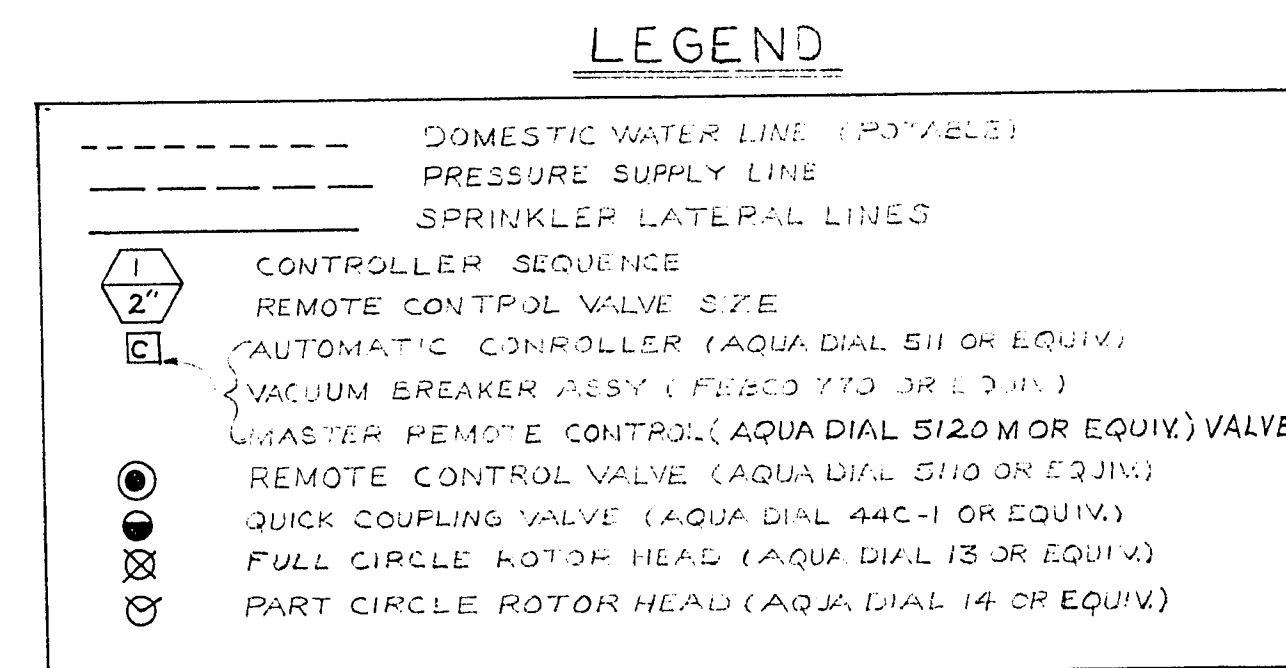




EQUIPMENT		QUANTITY	
AUTOMATIC CONTROLLER	EA.	1	
3" VACUUM BREAKER ASSY.	EA.	1	
3" REMOTE CONT. VALVE-MASTER	EA.	1	
2 1/2" REMOTE CONTROL VALVE	EA.	4	
1" REMOTE CONTROL VALVE	EA.	1	
2" MANUAL CONTROL VALVE	EA.	1	
1" MANUAL CONTROL VALVE	EA.	2	
ROTOR HEAD-FULL CIRCLE	EA.	11	
ROTOR HEAD-PART CIRCLE	EA.	15	
1" QUICK COUPLING VALVE	EA.	11	
VACUUM BREAKER BOX	EA.	1	
BUBBLER HEAD-PART CIRCLE (1/2")	EA.	29	
3" P.V.C. PIPE, SCH. 40	L.F.	400	
2 1/2" P.V.C. PIPE, SCH. 40	L.F.	230	
2" P.V.C. PIPE, SCH. 40	L.F.	1000	
1 1/2" P.V.C. PIPE, SCH. 40	L.F.	240	
1 1/4" P.V.C. PIPE, SCH. 40	L.F.	445	
1" P.V.C. PIPE, SCH. 40	L.F.	390	
1/4" O.D. P.V.C. CONTROL TUBING	L.F.	1460	
TRENCHING	L.F.	1640	
1/2" P.V.C. PIPE SCH. 40	L.F.	300	
* 560.710 THIS ITEM INCLUDES ALL OF THE ABOVE COMPONENTS & THE COMPONENTS NOTED BELOW (*) FOR THE IRRIGATION SYSTEM.		LUMP SUM	
* NOTE: PIPE & FITTINGS FOR RISER ASSEMBLIES, FOR SPRINKLER HEADS & QUICK COUPLING VALVES, ARE NOT LISTED ABOVE IN APPROXIMATE QUANTITIES. SEE SHEET 13 FOR AUTOMATIC CONTROLLER INFORMATION.			

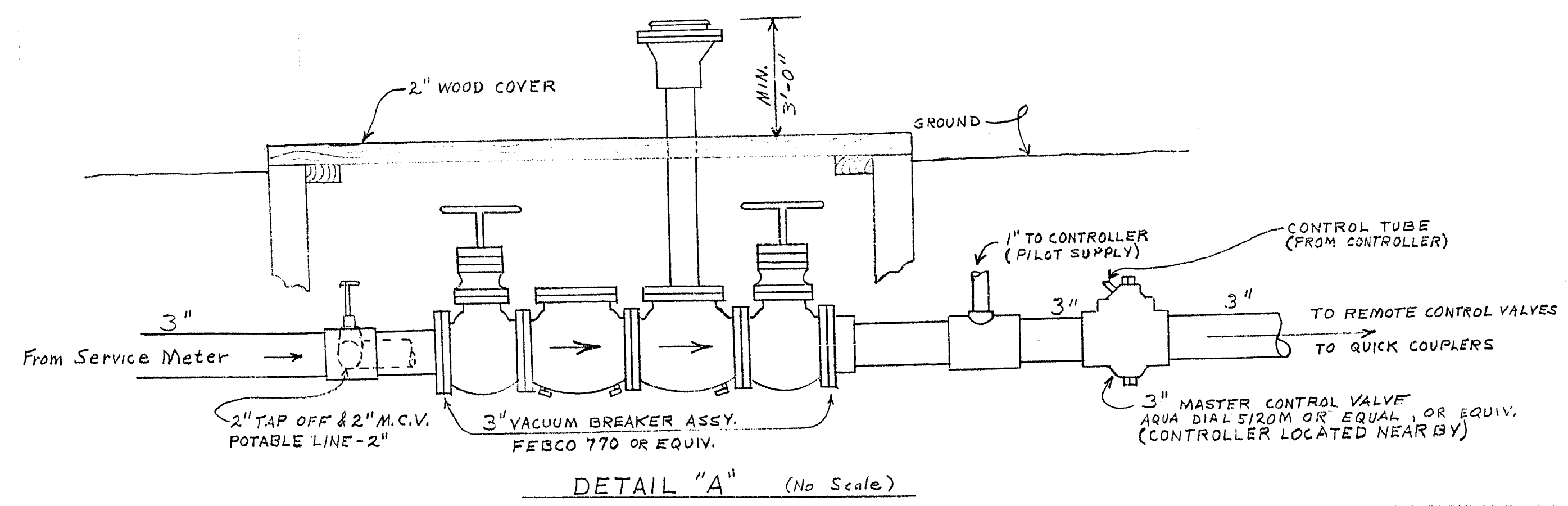
PERFORMANCE DATA		
AQUA DIAL NUMBER	PRESSURE AT SPRINKLER (PSI)	DISCHARGE GPM
13	45	14.0
14	45	11.4
44C-1		30 CAPACITY
1BQ	20	0.79



IRRIGATION NOTES

- This irrigation system is designed to function on incoming line, pressure of no less than 60 P.S.I.
- Design allowances have been made to extend irrigation eastward at a later date; for addition of 13 or more sprinkler heads.
- Nozzle size for sprinkler heads is 7/32".
- Quick coupling lines to be 1" unless otherwise shown. Size quick coupling valves in approximate areas shown on drawing.
- Permanent blocking will be provided as per standard specifications. Temporary blocking will be provided for capped off lines.
- Automatic Controller will be pedestal mounted.
- Sprinkler heads are placed 50' apart except where shown otherwise.
- See sheet #14 for installation of sprinkler heads & quick coupling valves.
- Contractor to furnish Field Drawing of Box Assy. to enclose Vacuum Breaker Assy. and 2" M.C.V.
- Twenty nine (29) Bubbler Heads to be installed in the two Planter Areas using 1/2" P.V.C. pipe (approx. 300 L.F.). A quarter circle Bubbler Head (Aqua-Dial 1B or equiv. nozzle pressure 20 P.S.I.) will be installed at each shrub and tree.
- The Remote Control Valves will be boxed with a #3 1/2 concrete Pull Box with metal cover. The top is to be 3" under finished ground elevation.

I CERTIFY THAT THIS PLAN WAS PREPARED UNDER MY SUPERVISION.
 R.T. Whitney
 ROBERT T. WHITNEY
 R.P.E. 1095
 DATE 6-15-70



CONTRACT DRAWING
 JUL 9 1970

CONTRACT DRAWING
 AUG 25 1970

DATE		APPROVED
BY	DATE	
4 D.P.W.		
3 SERV.	Rev 6-15-70	
2 FIELD	6-15-70	
1 R/W	6-15-70	
TRAFF		
UTIL		
SUBD		
SAD		
ENGR.		

ADD TWO 1" M.C.V.'s JE 9-2-70 Rev 9/8/70
 CHANGE 1" M.C.V. TO R.C.V. JE 9-2-70 Rev 9/8/70

CITY OF LAS VEGAS NEVADA
 DEPARTMENT OF PUBLIC WORKS
 SERVICES DIVISION

IRRIGATION PLAN

ELLISON 5-22-70
 650.5-4
 8 1970