

**FIRST  
CITIZENS  
BANK**

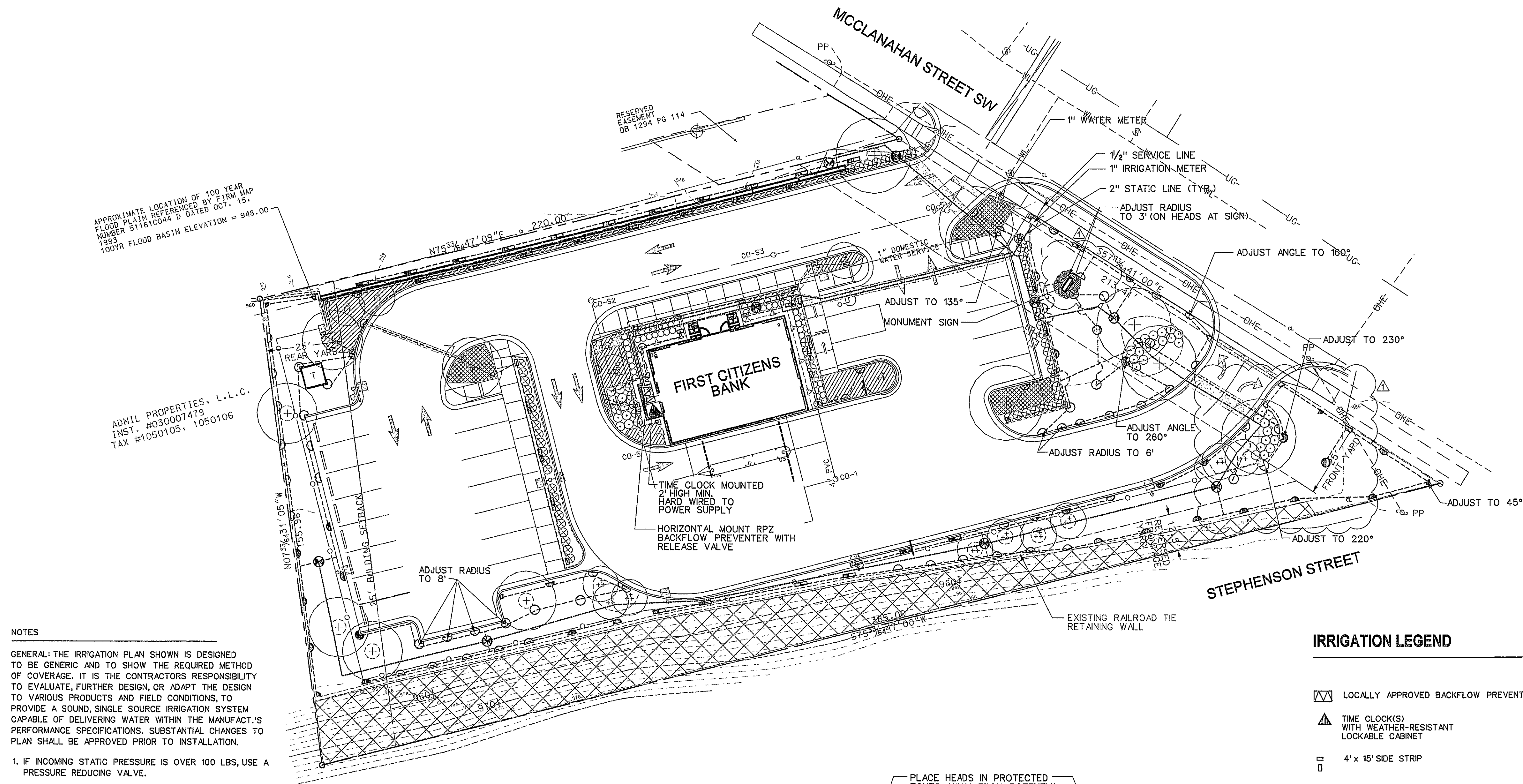
ROANOKE, VA

# IRRIGATION PLAN

## DESIGN DEVELOPMENT

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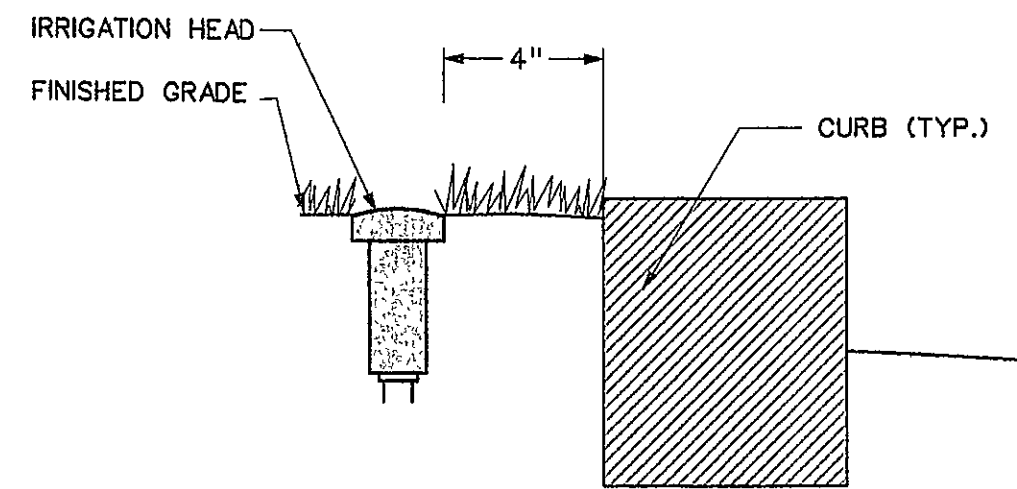
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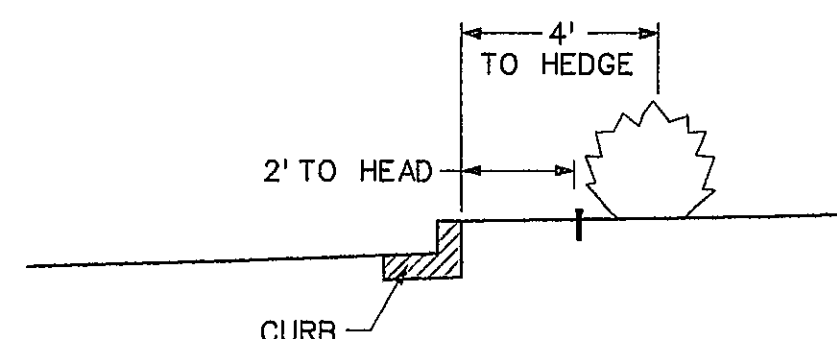
## NOTES

GENERAL: THE IRRIGATION PLAN SHOWN IS DESIGNED TO BE GENERIC AND TO SHOW THE REQUIRED METHOD OF COVERAGE. IT IS THE CONTRACTORS RESPONSIBILITY TO EVALUATE, FURTHER DESIGN, OR ADAPT THE DESIGN TO VARIOUS PRODUCTS AND FIELD CONDITIONS, TO PROVIDE A SOUND, SINGLE SOURCE IRRIGATION SYSTEM CAPABLE OF DELIVERING WATER WITHIN THE MANUFACT.'S PERFORMANCE SPECIFICATIONS. SUBSTANTIAL CHANGES TO PLAN SHALL BE APPROVED PRIOR TO INSTALLATION.

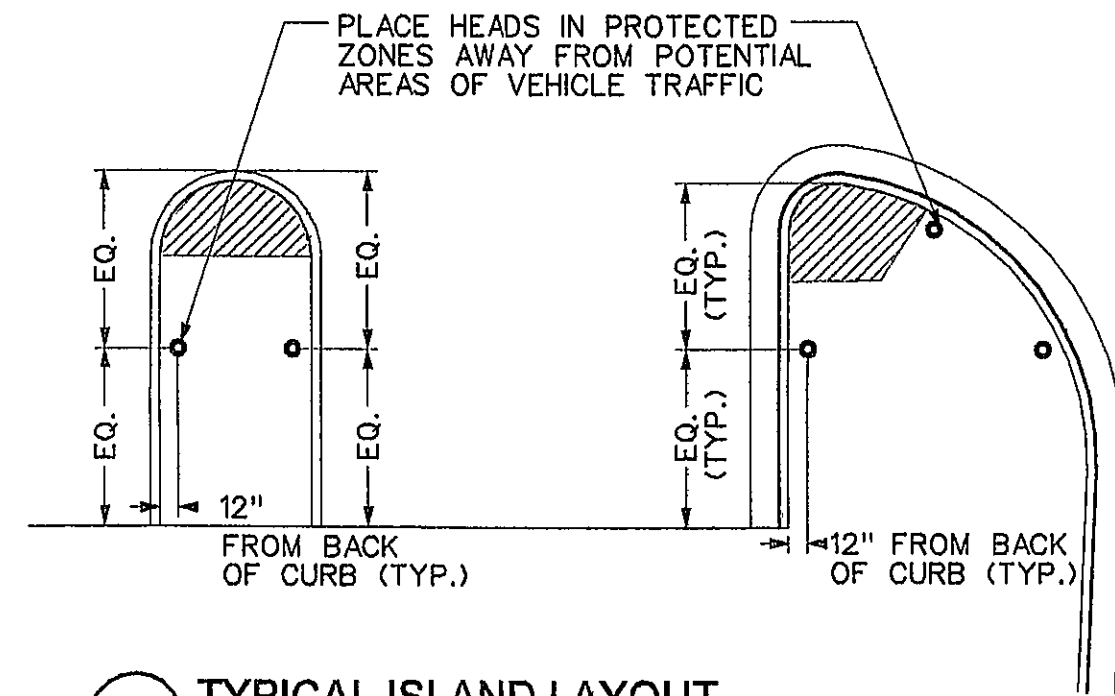
1. IF INCOMING STATIC PRESSURE IS OVER 100 LBS, USE A PRESSURE REDUCING VALVE.
2. NOTIFY ARCHITECT IF STATIC PRESSURE IS NOT BETWEEN 60-70 PSI.
3. WORKING PRESSURE BASED ON 50-55 PSI. NOTIFY THE ARCHITECT OF ANY DEVIATIONS.
4. DO NOT LOCATE PRESSURED PIPE OR VALVES OUTSIDE PPY.
5. WIRE IN MAIN LINE DITCH ONLY - WIRE TO BE 14 GA.
6. TIME CLOCK TO BE HARDWIRED TO THE POWER SUPPLY. POWER SUPPLY WILL BE PROVIDED TO WITHIN TEN FEET OF THE TIME CLOCK.
7. CONTRACTOR TO VERIFY THE LOCATION OF NEW AND EXISTING UTILITIES AND MODIFY ROUTING OF IRRIGATION PIPING AS REQUIRED TO AVOID CONFLICTS.
8. CONTRACTOR TO PROVIDE A LOCALLY APPROVED BACKFLOW PREVENTION DEVICE, PROVIDE UNIONS AND ISOLATION VALVES FOR EASY REMOVAL AND WINTERIZATION.
9. CONTRACTOR TO SUPPLY SLEEVING AS REQUIRED.
10. PROVIDE 12" POPUP SPRAY HEADS FOR ALL SHRUB APPLICATIONS AND 6" POPUP SPRAY HEADS FOR ALL LAWN APPLICATIONS.
11. THE CONTRACTOR SHALL SECURE ANY PERMITS REQUIRED FOR WORK WITHIN THE R/W.
12. POP-UP SPRAY HEADS TO BE PRESSURE COMPENSATING.
13. CONTRACTOR SHALL PROVIDE AN AS BUILT DRAWING WITH OPERATION MANUAL BOUND IN AN EASY TO USE BINDER, DEMONSTRATE IRRIGATION SYSTEM USE TO BRANCH MANAGER AND THE LANDSCAPE ARCHITECT AT PROJECT COMPLETION.
14. THE FINISHED IRRIGATION SYSTEM SHALL HAVE COMPLETELY SEPARATE SHRUB AND LAWN ZONES WITH HEAD TO HEAD COVERAGE.
15. ALWAYS DIRECT IRRIGATION AWAY FROM THE BUILDING AND SIGNAGE.



IRRIGATION SPRAY HEAD LOCATION (TYP.)  
NTS



























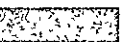
IRRIGATION SPRAY HEAD LOCATION  
AT CURB WITH PARKING (NO WHEEL STOPS)



 TYPICAL ISLAND LAYOUT

NTS

### IRRIGATION LEGEND

- |   |   |   |  |
|---|---|---|--|
|  | LOCALLY APPROVED BACKFLOW PREVENTOR                         |  | 25' RADIUS STREAM ROTOR POP UP SPRAY 360 DEG |
|  | TIME CLOCK(S)<br>WITH WEATHER-RESISTANT<br>LOCKABLE CABINET |  | 25' RADIUS STREAM ROTOR POP UP SPRAY 270 DEG |
|  | 4' x 15' SIDE STRIP   |  | 25' RADIUS STREAM ROTOR POP UP SPRAY 180 DEG |
|  | 4' x 30' SIDE STRIP   |  | 25' RADIUS STREAM ROTOR POP UP SPRAY 90 DEG  |
|  | 9X18 SIDE STRIP   |  | 40' RADIUS STREAM ROTOR POP UP SPRAY 360 DEG |
|  | 5'-10' RADIUS POPUP SPRAY<br>PRESSURE COMPENSATING          |  | 40' RADIUS STREAM ROTOR POP UP SPRAY 270 DEG |
|  | 5'-10' RADIUS POPUP SPRAY<br>PRESSURE COMPENSATING          |  | 40' RADIUS STREAM ROTOR POP UP SPRAY 180 DEG |
|  | 5'-10' RADIUS POPUP SPRAY<br>PRESSURE COMPENSATING          |  | 40' RADIUS STREAM ROTOR POP UP SPRAY 90 DEG  |
|  | 5'-10' RADIUS POPUP SPRAY<br>PRESSURE COMPENSATING          |  | 1 1/2" VALVE, ANGLED PORTS                   |
|  | 5'-10' RADIUS POPUP SPRAY<br>PRESSURE COMPENSATING          |  | 1" VALVE, ANGLED PORTS                       |
|  | 10'-15' RADIUS POPUP SPRAY<br>PRESSURE COMPENSATING         | -----   | 1" PVC LINE                                  |
|  | 10'-15' RADIUS POPUP SPRAY<br>PRESSURE COMPENSATING         | _____   | 1 1/2" PVC LINE                              |
|  | 10'-15' RADIUS POPUP SPRAY<br>PRESSURE COMPENSATING         | —————   | 2" STATIC PRESSURE LINE ( MAIN LINE )        |
|  | 10'-15' RADIUS POPUP SPRAY<br>PRESSURE COMPENSATING         |  | 4" PVC SLEEVE (BY OTHERS)                    |

SCALE: 1"=20'-0"

