

System Notes:

This system requires 44GPM @ 53 PSI for proper operation.

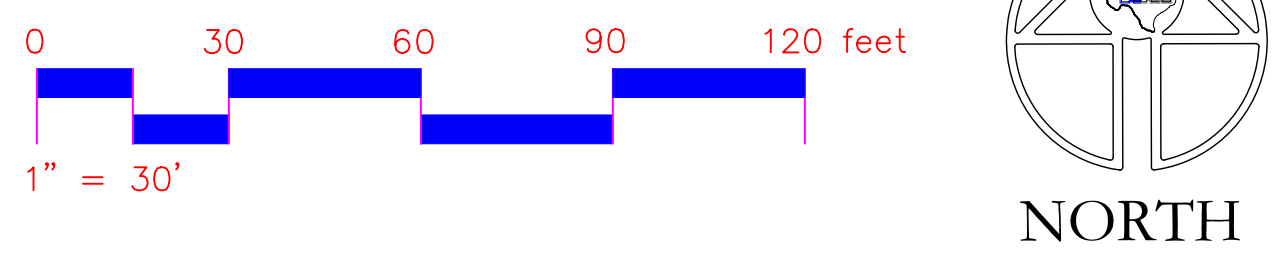
Irrigation equipment may not be accurately shown. Contractor to field verify exact placement of all equipment with owner prior to installation.

Mainline is oversized due to friction loss.

Contractor to contact 1-800-DIG-TESS for utility marking prior to any excavation on this project. Contractor to be solely responsible for any disruption of service to owner due to his/her excavation.

All sleeving shall be Sch40 PVC. Size shall be twice the size of pipe in sleeve.

Pipe is sized at points of connection and where changes in pipe size occur. Pipe shall be the size of the last preceding size called out upstream of each section unless otherwise noted on plan.



| IRRIGATION SCHEDULE | | | | | |
|---------------------|---|-----------|-----|-----|--------|
| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY | PSI | | |
| | Hunter PRCS-04 8' radius Turf Spray, 4.0\"/> | | | | |
| | Hunter PRCS-04 10' radius Turf Spray, 4.0\"/> | | | | |
| | Hunter PRCS-04 12' radius Turf Spray, 4.0\"/> | | | | |
| | Hunter PRCS-04 15' radius Turf Spray, 4.0\"/> | | | | |
| | Hunter PRCS-04 ADJ Turf Spray, 4.0\"/> | | | | |
| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY | PSI | GPM | RADIUS |
| | Hunter I-20-Q4-LA Turf Rotor, 4.0\"/> | | | | |
| | Hunter I-20-Q4-LA Turf Rotor, 4.0\"/> | | | | |
| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY | | | |
| | Hunter ICV-G 1\"/> | | | | |
| | Hunter ICV-G 2\"/> | | | | |
| | Fobco 560 2\"/> | | | | |
| | Hunter IC-3000-FL Modular Controller, 30 stations, Outdoor Model, Plastic Cabinet, Commercial Use, With four ICM-600 modules included | 1 | | | |
| | Hunter WRF-CLK Rain/Freeze Sensor, install within 1000 ft of controller, in line of sight, 22-25 VAC/VDC 100 mA power from timer transformer. Mount as noted. Includes Gutter Mount | 1 | | | |
| | Generic | 2 | | | |
| | Irrigation Lateral Line: PVC Class 200 SDR 21 PVC Class 500 irrigation pipe | 7,362 LI. | | | |
| | Irrigation Mainline: PVC Class 200 SDR 21 | 2,070 LI. | | | |
| | Pipe Sleeving: PVC Schedule 40 Typical pipe sleeve for irrigation pipe. Pipe sleeve size shall allow for irrigation piping and their related couplings to easily slide through sleeving material. Extend sleeves 1/8 inches beyond edges of paving or construction. | 193.9 LI. | | | |
| | Valve Callout | | | | |
| | Valve Number | | | | |
| | Valve Flow | | | | |
| | Valve Size | | | | |

| CRITICAL ANALYSIS | |
|------------------------------------|------------------|
| Generated: | 2012-12-06 15:16 |
| P.O.C. NUMBER:01 | |
| Water Source Information: | 5 Horse Well |
| FLOW AVAILABLE | |
| Custom Max Flow: | 100.00 gpm |
| Flow Available: | 100.00 gpm |
| PRESSURE AVAILABLE | |
| Static Pressure at POC: | 80.00 psi |
| Pressure Available: | 80.00 psi |
| DESIGN ANALYSIS | |
| Maximum Station Flow: | 43.05 gpm |
| Flow Available at POC: | 100.00 gpm |
| Residual Flow Available: | 56.95 gpm |
| Pressure Req. at Critical Station: | 38.97 psi |
| Loss for Fittings: | 0.03 psi |
| Loss for Main Line: | 0.25 psi |
| Loss for POC to Valve Elevation: | 0.00 psi |
| Loss for Backflow: | 12.31 psi |
| Loss for Master Valve: | 0.80 psi |
| Critical Station Pressure at POC: | 52.36 psi |
| Pressure Available: | 80.00 psi |
| Residual Pressure Available: | 27.64 psi |

COMMERCIAL SITE: A

CONTRACTOR: A
LUBBOCK, TX
SCALE: 1" = 30'

