

IRRIGATION USAGE REQUIREMENTS

Growing Season (Daylight Savings Time) Restrictions:

- Non-residential Tuesday and Friday
- Apply less than or equal $\frac{1}{2}$ " each watering day
- System designed to apply .4" per hour. System may be run for 1hr and 15 minutes to not exceed $\frac{1}{2}$ " watering restriction.

Exceptions w/time limits:

- 24 hours after applying chemicals
- Maintenanxce and repair of irrigation system (10 mins/zone)
- New landscape 30 days any time and every other day for 30 additional days

No Watering 10 am to 4 pm

Exceptions - can water any day and time:

- Discharges from air to water heating or cooling units
- Hand-held irrigation using shutoff nozzle
- Micro-irrigation (apply at root) Soak / Drip / Small spray heads

Winter Restrictions:

- December thru February
- Tuesdays Only
- Apply less than or equal $\frac{3}{4}$ " each watering day
- System designed to apply .4" per hour. Sytem may be run for 1hr and 50 minutes to not exceed $\frac{3}{4}$ " watering restriction.

Hours apply but days not limited:

- Retention ponds if not augmented from other sources
- Reclaimed water
- Recycled water (stormwater)

LEGEND

ID.	DESCRIPTION	SPECIFICATION
WS	WATER SOURCE	1/2" Irrigation Only Water Meter
BD	BACKFLOW DEVICE	Wilkins 950XLT-1 1/4" or equal
S	SLEEVING	Schedule 40 PVC, 6/8" AS SPECIFIED
C	CONTROLLER	Hunter series PC-300 (3 Zone) install with Mini-Click rain sensor.
V	SOLENOID VALVE	Hunter series ICV-15G-B (1 1/2" valve)
3I	IRRIGATION HEAD	Hunter series (see schedule for types)
P	PIPE AND PIPE SIZE	SDR 13.5 1/2" and 3/4" lines SDR 26 for all 1" and larger lateral lines
M	MAINLINE	Irrigation mainline, Schedule 40 PVC pipe 2" size

VALVE SCHEDULE

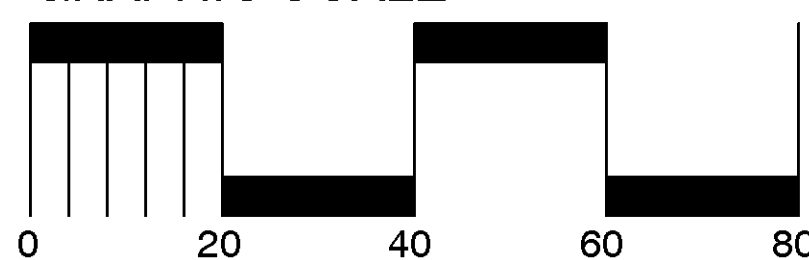
ZONE	GPM	PSI	TYPE
1	35.75	40.0	SHRUB
2	33.18	40.0	SHRUB
3	36.00	40.0	SHRUB

CONTRACTOR TO VERIFY ALL QUANTITIES

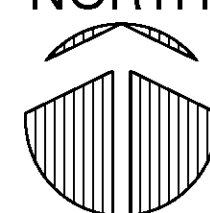
SPRINKLER LIST

QUANTITY	ID.	MANUFACTURER	SPECIFICATION	P.S.I.	G.P.M.	RADIUS
SHRUB-RISER						
2	1A	Hunter	INST-06-CV-MP1000-90	40	0.19	ADJUSTABLE
24	1B	Hunter	INST-06-CV-MP1000-90	40	0.39	ADJUSTABLE
1	1C	Hunter	INST-06-CV-MP1000-210	40	0.43	ADJUSTABLE
6	1S	Hunter	INST-06-CV-MPLCS515	40	0.22	LEFT
6	1T	Hunter	INST-06-CV-MPRCS515	40	0.22	RIGHT
35	1U	Hunter	INST-06-CV-MPSS530	40	0.44	SIDE
INST 6" POP-UP ROTOR						
17	2A	Hunter	INST-06-CV-MP1000-90	40	0.19	ADJUSTABLE
11	2B	Hunter	INST-06-CV-MP1000-90	40	0.39	ADJUSTABLE
8	2F	Hunter	INST-06-CV-MP2000-90	40	0.40	ADJUSTABLE
14	2G	Hunter	INST-06-CV-MP2000-90	40	0.74	ADJUSTABLE
1	2H	Hunter	INST-06-CV-MP3000-90	40	0.86	ADJUSTABLE
8	2K	Hunter	INST-06-CV-MP3000-90	40	0.86	ADJUSTABLE
8	2L	Hunter	INST-06-CV-MP3000-90	40	1.86	ADJUSTABLE
3	2P	Hunter	INST-06-CV-MP40	40	0.19	ADJUSTABLE
2	2S	Hunter	INST-06-CV-MPLCS515	40	0.22	LEFT
2	2T	Hunter	INST-06-CV-MPRCS515	40	0.22	RIGHT
1	2U	Hunter	INST-06-CV-MPSS530	40	0.44	SIDE

GRAPHIC SCALE

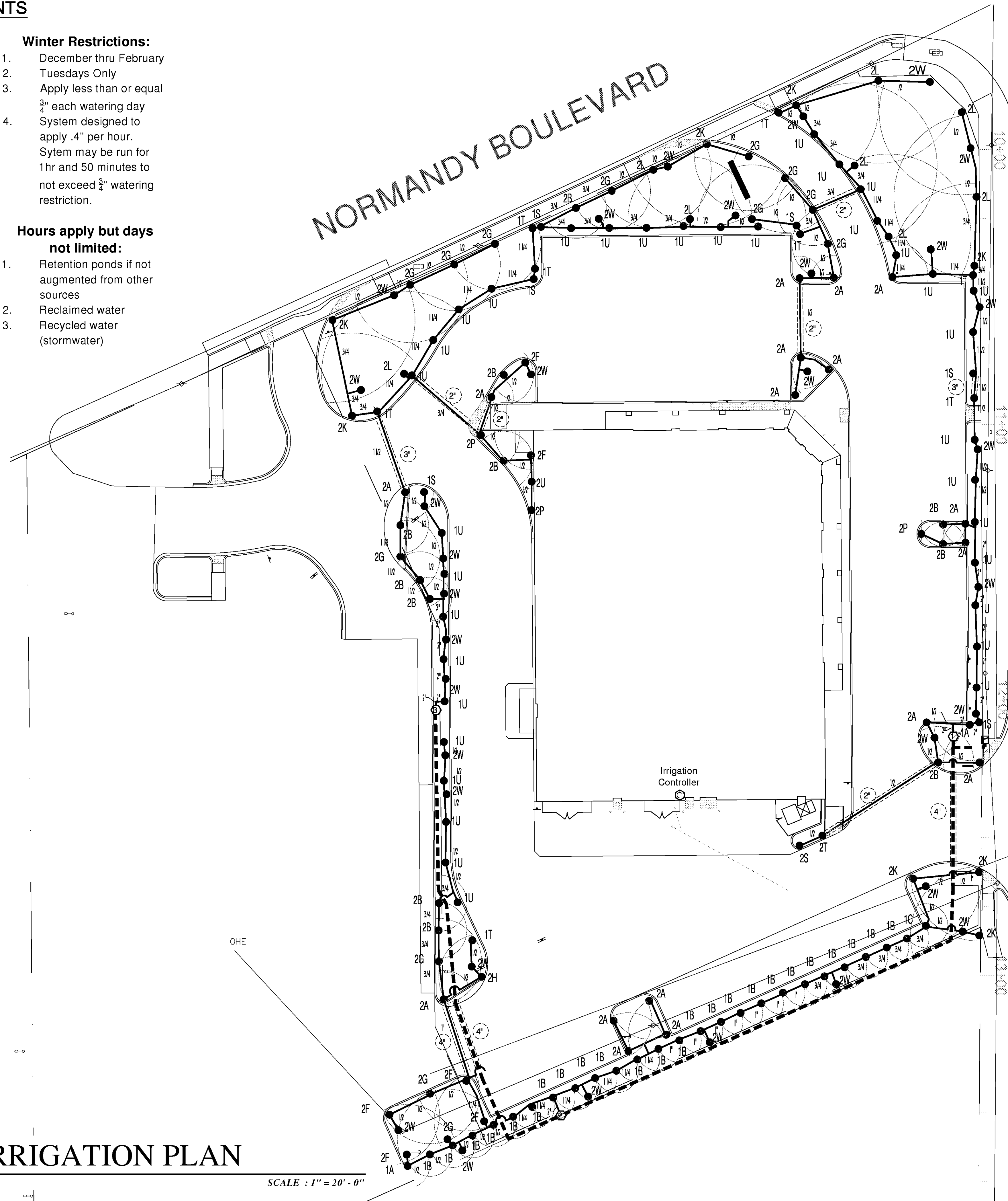


NORTH



IRRIGATION PLAN

SCALE : 1" = 20' - 0"



NOTES

- Irrigation Contractor shall be responsible for all applicable fees and permits.
- All Pipe and Wire under paving shall be placed in Schedule 40 P.V.C. Sleeves for the full pavement coverage length and shall be at least 24" below grade.
- Mainlines shall be buried to provide a minimum cover of 18", while all Lateral lines shall have a minimum of 12".
- The Contractor should take care to reroute piping as necessary to avoid plant or tree roots.
- All Sprinklers shall be site adjusted to prevent water overthrow onto building surfaces and walkways.
- All Control Wiring to be 14/1 UF, direct burial. Install a "MiniClick" rain sensor device. Verify location with Owners Representative.
- Install Backflow Preventer in an inconspicuous location such as shrubbery.
- Location shown for graphic clarity purposes only.
- Contractor responsible for 100% Irrigation coverage.
- All Irrigation risers to be painted black.
- Mainline location shown for graphic clarity purposes only.
- Valve box location shown for graphic clarity purposes only.
- Irrigation system designed to not exceed 5 feet per second flow through any piping. Any deviation from design upon installation shall be done so as to not exceed 5' per second through any piping as well.
- Irrigation Rain Sensor to be located on Satellite Mast or Roof - See Architect's Plan / Sheet "A1.4" 14 GA wire and conduit for Irrigation sensor will be provided by and installed by GC's Electrical Sub-Contractor.

NO.	DATE	DESCRIPTION	BY
1.	01-08-2009	As/CDI Dev. Review Comments	JCC
2.	05-21-2009	As/CDI Dev. Review Comments	JCC
3.	08-11-2009	No Existing Pond Improvements	JCC
4.	11-23-2009	As per Owner's Arch's Markup	JCC
5.	12-04-2009	Indicate Proposed Line Poles	JCC
6.	02-03-2010	Final Revisions as per Owner	JCC

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Walgreen's
Normandy Blvd. and Fouraker Road
A Development by:
Rock Ventures, LLC

IRRIGATION PLAN

SUNSHINEDESIGN
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DATE
12-05-2008
DRAWN BY
JCC / SP
SHEET NO.
LS-2