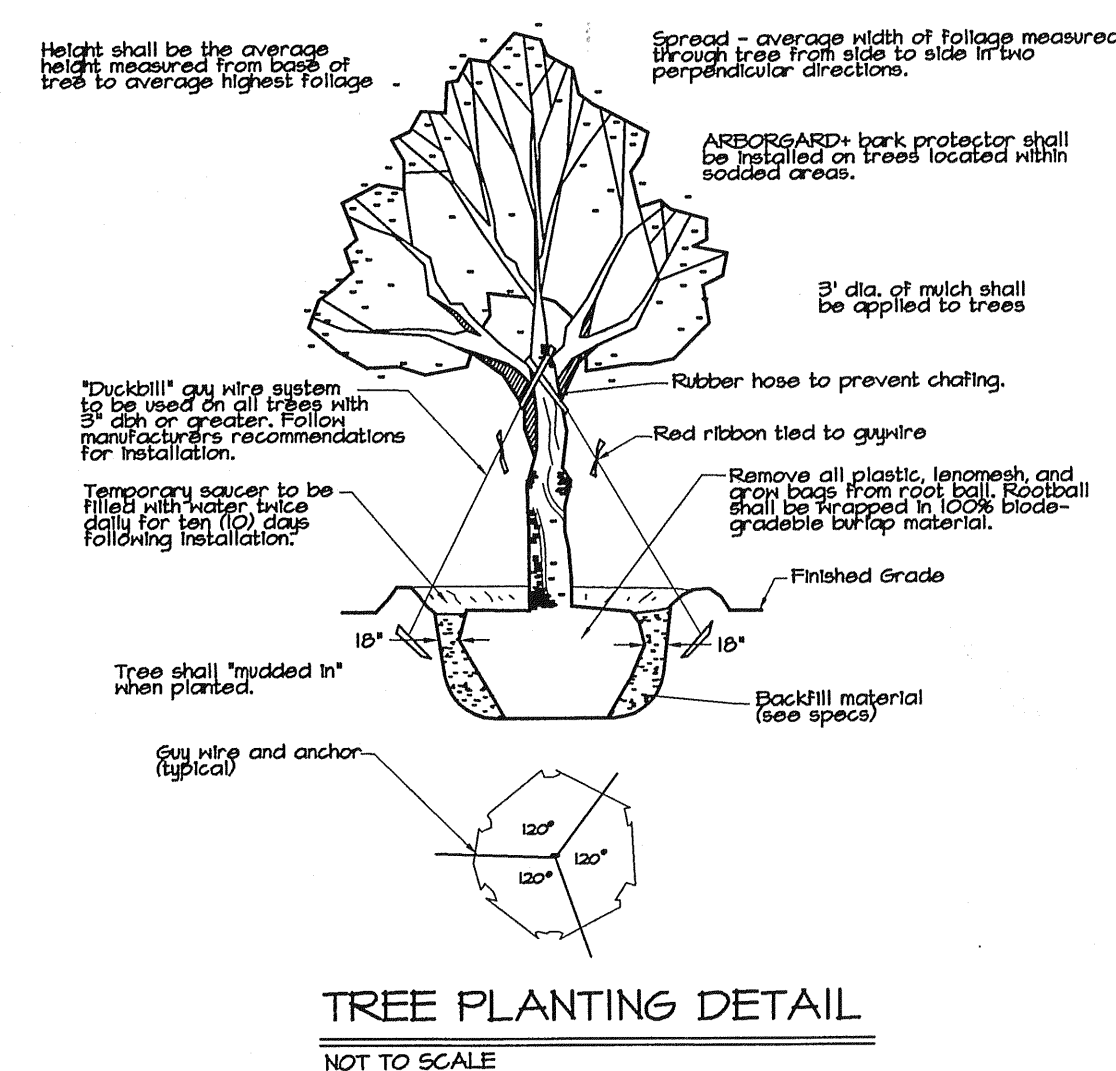
LANDSCAPE NOTES (Note #1 for contractor only)

1. In the event of variation between quantities shown on the plant schedule and the plans, the plans shall control. Improvements made by the Landscape Contractor shall be no cause for additional costs to the Owner. Soil match and overall quantity takeoffs shall be the responsibility of the contractor.
2. No substitutions shall be made without the written consent of the Owner or Landscape Architect.
3. Fertilizer shall be applied to all new planting areas at the rate of 1/4 lbs. actual nitrogen, 1/4 lb. actual phosphorus, and 1/4 lb. actual potash per square foot. Soil match and overall quantity takeoffs shall also contain all minor trace elements suitable for the area where it is to be used.
4. All ballcliff soil mixtures shall contain 2/3 best of on-site topsoil and 1/3 peat, with 0.5% of super absorbent mixed in with each cubic yard. The levels within planting beds to be between 0.5 and 1.5 following plant installation. It shall be the Landscape Contractor's responsibility to achieve the proper pH level.
5. Topsoil material, when called for on the plans, shall be free of sticks, stones larger than 1" dia, plants, or any other debris which would be toxic, or otherwise harm plants or people. Topsoil should be fertile, friable, and of a naturally loamy character.
6. The Landscape Contractor shall take all necessary precautions to protect all existing structures and utilities on the site and shall be held responsible for any damage by the Contractor's actions.
7. It shall be the Landscape Contractor's financial responsibility to prevent plants and trees from falling or being blown over, and to replace all plants which are damaged or killed at its own cost to the owner for sustained winds of less than 15 MPH (Hurricane force).
8. Maintenance shall begin after each plant has been installed and shall continue until the plants are established by the Landscape Architect. Maintenance shall include pruning, mulching, weeding, replacement of sick or dead plants, watering (including cost of equipment such as a water-truck and other off-site equipment) which is needed for the proper growth of the plant material.
9. Excess waste material shall be removed daily from the site.
10. All plant materials used shall conform to the standards for Florida No. 1, or better as described in "Grades and Standards for Nursery Plants", State of Florida, Department of Agriculture and Consumer Services, Tallahassee, or equal thereto as approved by the Landscape Architect.
11. All shrub beds and hedges shall be top-dressed with 3" of mulch as specified in the Plant Schedule.
12. It shall be the responsibility of the Landscape Contractor to coordinate activities with other contractors on the job site.
13. All plant materials shall be fully guaranteed for a period of one (1) year following final acceptance by the owner.
14. Planting beds for hedges shall be 3' wide unless otherwise specified.
15. Unit prices for all plant material shall be provided to the Landscape Architect upon request.
16. All landscape materials installed within the public right of way shall be installed to meet all State and Local codes and regulations.
17. The Landscape Contractor shall not include sod for retention areas within 100% coverage of the retention ponds. This shall be the responsibility of the structural contractor. Sodding of swales shall be the landscape contractor's responsibility.
18. Contractor shall install an automatic irrigation system which provides 100% coverage of the retention ponds, including the tree/bush buffer as shown on plan.
19. M-jor-tex as manufactured by plant Health Care, Inc. (1-800-421-4501) shall be mixed into the upper 10" of loess at the time of planting and watered in. Quantities shall be in accordance with manufacturers specifications.

PLANT SCHEDULE						
QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	COMMENTS
44	GM6	<i>Cocos nucifera</i>	Coconut Palm	3' gw	As shown	Green Malayan, Fla. Fancy
140	SR	<i>Syagrus romanzoffiana</i>	Queen Palm	Ht. as noted	As shown	Heavy trunk
5	FTS	<i>Wodyetia bifurcata</i>	Foxtail Palm	14' oa	As shown	Fl. Fancy, single trunk
3	PD	<i>Phoenix dactylifera</i>	Medjool Palm	8' ct. ht.	As shown	Remove Bouts, Tie up crown
7	FR	<i>Phoenix roctinatea</i>	Racinatea Palm	25' ht.	As shown	9 trunks
12	WP	<i>Washingtonia robusta</i>	Washington Palm	Ht. as noted	As shown	Remove skirt
10	QV	<i>Quercus virginiana</i>	Live Oak	10' ht.	As shown	2.5' cal, 4' ct., 4' spd.,
27	QV3	<i>Quercus virginiana</i>	Live Oak	12' ht.	As shown	3' cal, 4' ct., 3' spd., Single Leader
151	QV4	<i>Quercus virginiana</i>	Live Oak	16' ht.	As shown	3' cal, 5' ct., 6' spd., Single Leader
37	BB	<i>Budista buceros</i>	Black Olive "Shady Lady"	12' ht.	As shown	6' spd., 3' cal, 4' ct., 4' spd.
8	TO	<i>Tobaiuia caroba</i>	Silver Trumpet Tree	10' ht.	As shown	20' ht., 2' spd., 4' ct., 4' spd.
118	CLR	<i>Crinum spp.</i>	Crinum Lilly, "Queen Emma"	15' ga.	As shown	30" x 30"
4	TIP	<i>Tobaiuia impetiginosa</i>	IPi	10' ht.	As shown	2 1/2' cal, 2' spd., 4' ct., Fl. Fancy
3	JAC	<i>Jacaranda mimosaefolia</i>	Jacaranda	10' ht.	As shown	2 1/2' cal, 6' spd., 4' ct., Fl. Fancy
8	CES	<i>Conocarpus erectus sericeus</i>	Silver Buttonwood	12' ht.	As shown	30 ga, Mt., 5' cal, 5' ct., Fl. Fancy
10	FB	<i>Ficus benjamina</i>	Weeping Fig	12' ht.	As shown	6' cal, 3' ct., 3' spd., full
7	FD	<i>Filicium decipiens</i>	Japanese Fern Tree	25' Gd., 7"-8" Ht.	As shown	Mt., 6' Spd., 4' Ct., Mt.
22	HKO	<i>Bauhinia x blakeana</i>	Hong Kong Orchid	10' Ht.	As shown	5' Spd., 4' Ct., Field Crown
33	BP	<i>Streitzia reginae</i>	Bird of Paradise	10 ga.	As shown	24" - 36" ht., Full
249	AV	<i>Allamanda cathartica</i>	Allamanda, Dwarf	3 ga.	2' oc.	20' ht., 20' spd.
17	PV	<i>Petrea volubilis</i>	Purple Wreath	7 ga.	As shown	Trellis 46" ht., 30" spd., full
222	FB3	<i>Ficus benjamina</i>	Weeping Fig	3 ga.	3' oc.	24" ht., 18" spd., Dense
344	FB6	<i>Ficus benjamina</i>	Weeping Fig	15 ga.	As Shown	6 Ht., 4' Spd., Dense
15	V04	<i>Viburnum Odoratissimum</i>	Sweet Viburnum	4' ht.	3' oc.	30' spd., Dense
52	V02	<i>Viburnum Odoratissimum</i>	Viburnum	3 ga.	3' oc.	24" x 18 spd.
308	NO4	<i>Nerium oleander</i>	Oleander	4' ht.	As shown	30' spd., Pink Blossoms, Dense
386	CV	<i>Codiaeum Variegatum</i>	Croton "Bravo"	3 ga.	30' oc.	18" ht., 16" spd.
561	PS	<i>Philodendron bipinnatifidum</i> Sellowm	Self heading Philodendron	3 ga.	3' oc.	20" ht., 20" spd.
21	PS7	<i>Philodendron bipinnatifidum</i> Sellowm	Self heading Philodendron	7 ga.	4' oc.	40" ht., 40" spd.
165	PS15	<i>Philodendron Xanadu</i>	Xanadu Philodendron	3 ga.	30'	18" ht., 18" spd.
268	CLP	<i>Acalytha wilkesiana</i>	Copper Leaf	3 ga.	3' oc.	20" ht., 18" spd.
712	H51	<i>Hibiscus Rosa-sinensis</i> 'Tropicalana'	Hibiscus 'Tropicalana'	3 ga.	4' oc.	24" ht., 18" spd., Tangerine Blossoms
11	HS7	<i>Hibiscus Rosa-sinensis</i> 'Tropicalana'	Hibiscus 'Tropicalana'	7 ga.	4' oc.	32" ht., 28" spd., Tangerine Blossoms
19	CT	<i>Cordyline terminalis</i> 'Red Sister'	Ti Plant	3 ga.	As shown	3' ht., triple, Full
847	DO	<i>Nerium oleander</i> 'Petite'	Dwarf Oleander	3 ga.	3' oc.	20" ht., 18" spd.
52	BCT	<i>Bougainvillea spp.</i>	Bougainvillea	1 ga.	3' oc.	Trellis, Espalier, 4' ht., 2' spd.
3	FP	<i>Ficus pumila</i>	Creeping Fig	1 ga.	18" in. oc.	12 ht, 12 spd.
1243	LM	<i>Liriope muscari</i> 'Evergreen Giant'	Evergreen Giant	1 ga.	18" oc.	Full bib
26	SA	<i>Schefflera arboricola</i>	Scheffiera	3 ga.	30' oc.	24" ht., 18" spd.
143	JNB	<i>Justicia floribunda</i>	Night Blooming Jasmine	3 ga.	24" x 24"	24" ht., 24" spd.
139	CL	<i>Coccoloba uniflora</i>	Sea Grape	4 ga.	4' oc.	24" ht., 16" spd.
40	VG	<i>Alphina Zerumbet</i> 'Variegata'	Variegated Ginger	3 ga.	2' oc.	Full
805	AN	Annals		6 pot	18" oc.	Owners option
1	MULCH	Pine Bark Nugget	-	-	-	3 evenly spread.
1	S01	Bahio	-	-	-	-
1	S002	St. Augustine	-	-	-	-



OVERALL LANDSCAPE PLAN
FOR
WISTERIA PARK
LOCATED IN
SECTION 24, TOWNSHIP 34 SOUTH, RANGE 16 EAST
MANATEE COUNTY, FLORIDA

Soller, Najjar & Shroyer, L.L.C.
Engineers, Planners, Surveyors,
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LandscAPE Architects & Environmental Consultants
 10000 WOODBURN DRIVE EAST
 SUITE 2000 BOSTON, MA 02124
 TEL: (617) 552-2516
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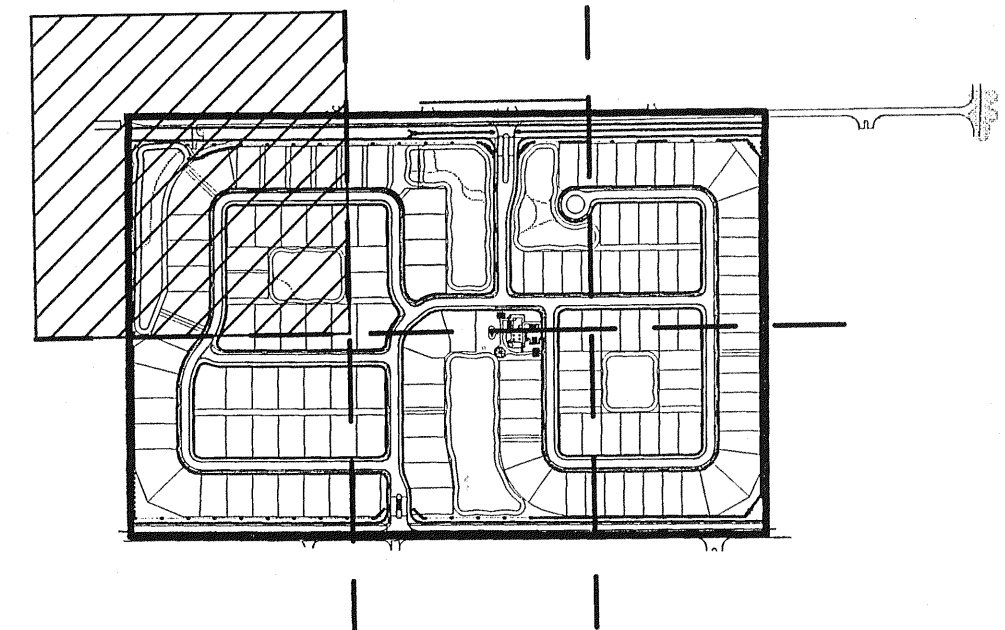
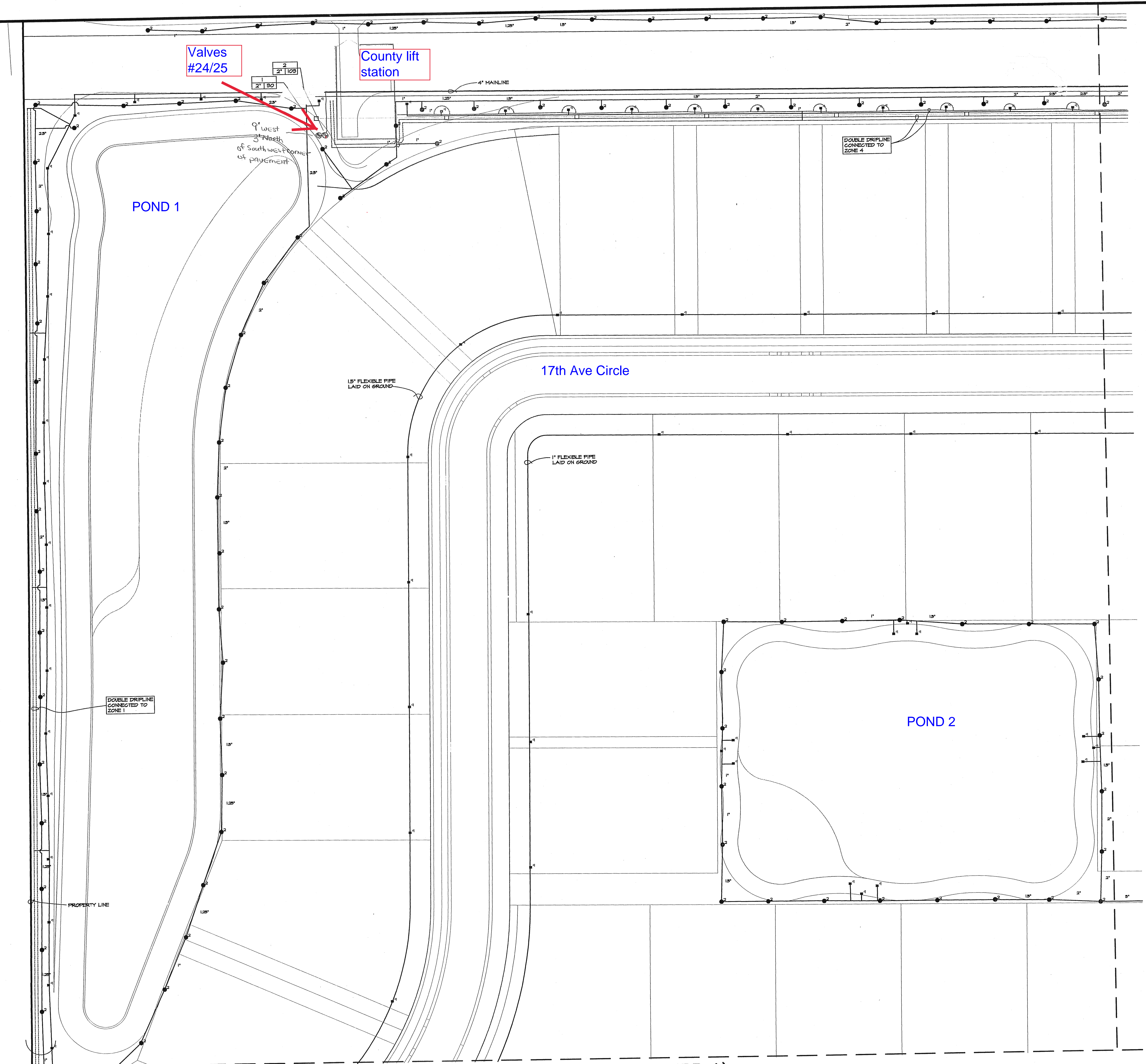
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 BN _____ JCB NO. _____ SCALE 1"=1'-0"

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OVERALL LANDSCAPE PLAN
FOR
WISTERIA PARK
LOCATED IN
SECTION 24, TOWNSHIP 34 SOUTH, RANGE 16 EAST
MANATEE COUNTY, FLORIDA

SP # 2
SHEET 151

12/20/04
Job Number: 220242/18.11/17
Sheet Title: 12/20/04
Job Number: 220242/18.11/17
Sheet Title: 12/20/04
Job Number: 220242/18.11/17
Sheet Title: 12/20/04



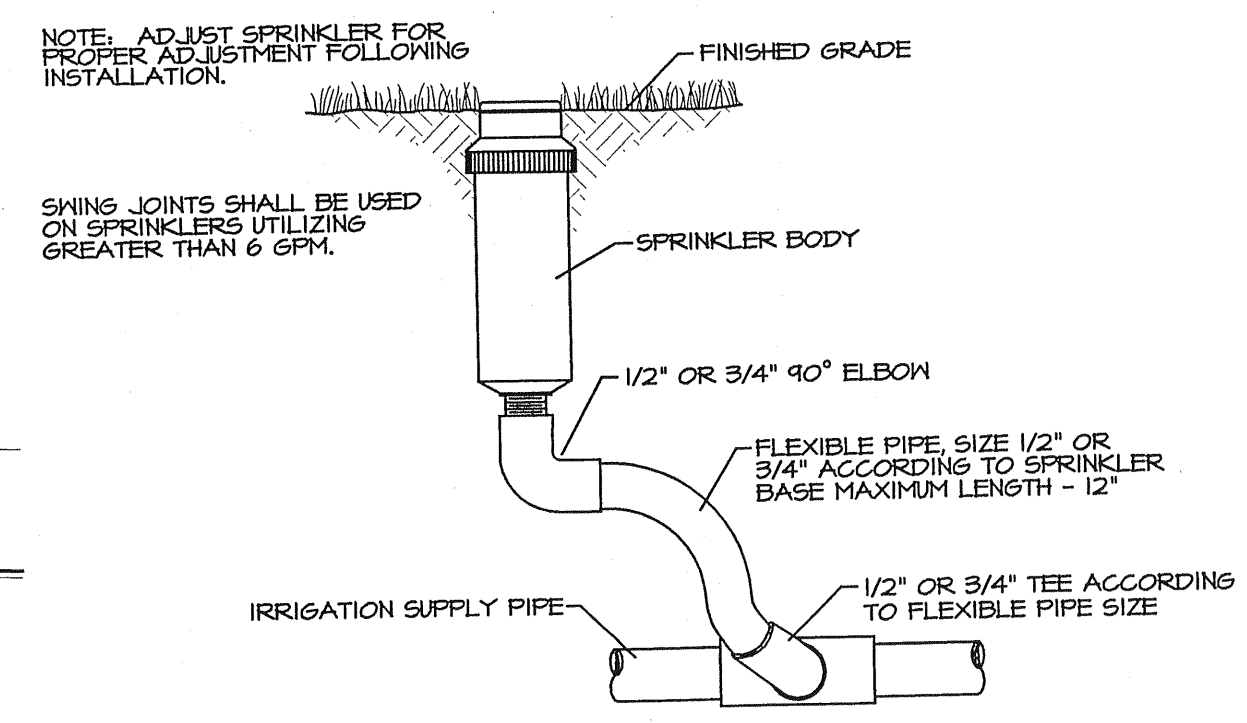
Irrigation Schedule:

SYMBOL	MODEL	GPM	RADIUS
●	Hunter I-40 / Nozzle #41	10.2	52'
●	Hunter I-20 / Nozzle #3	2.7	40'
●	Hunter PSM / Nozzle #1.0	1.0	21'
■	Rainbird 1806-PRS-18 VAN	5.4/2.8	17'
■	Rainbird 1806-PRS-15-VAN	3.8/1.9	15'
■	Rainbird 1806-PRS-12-VAN	2.7/1.35	12'
■	Rainbird 1806-PRS-10-VAN	0.78	10'
■	Rainbird 1806-PRS-T-VAN	0.78	7'
■	Rainbird 1300A-F bubbler	1.5	Bubbler
■	Rainbird 1806-PRS-155ST	1.2	4' X 30'
■	Rainbird 1806-PRS-155ST	0.6	5' X 15'
■	Rainbird 1806-PRS-455ST	1.8	4' X 18'
■	Rainbird XBD-80, Xert-Bird, 8 unit w/ XB-20, Barb/Red Xert-Bug emitter	2 gph (shrub) 7 gph (tree)	

* Note: Used within rotor zones only - see Irrigation Notes for emitters within Drip zones.

MATCH LINE B - B (SEE PAGE IRR-2)

NOTE: IRRIGATION SYSTEM GRAPHIC DEPICTION IS INTENDED TO ASSIST CONTRACTOR IN IDENTIFYING ZONE ARRANGEMENT. NO IRRIGATION COMPONENTS (I.E. MAINLINES, VALVES, HEADS) ARE TO BE LOCATED WITHIN INDIVIDUAL LOTS. NO MAINLINES OR VALVES ARE TO BE LOCATED WITHIN STREET RIGHT-OF-WAYS EXCEPT AS NECESSARY TO CROSS RIGHT-OF-WAYS OR IRRIGATE STREET TREES.



GEAR DRIVE SPRINKLERS, POP-UP DETAIL
N.T.S.

MATCH LINE F - F (SEE PAGE IRR-6)

CONTRACTOR SHALL CONTACT "CALL SHINE"
PH: 800-432-4710 48 HR. PRIOR TO EXCAVATION

Zoller, Najjar & Shroyer, L.C.

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REVISIONS

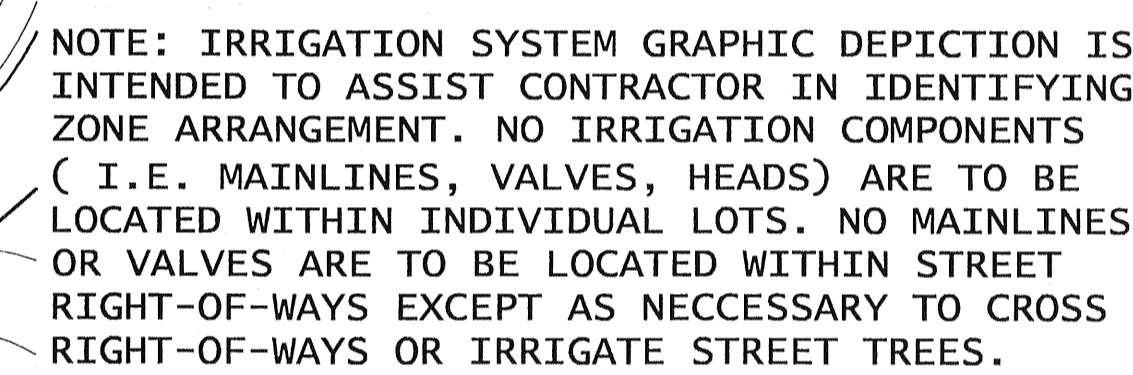
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Irrigation Plan
FOR
WISTERIA PARK

LOCATED IN
SECTION 24, TOWNSHIP 34 SOUTH, RANGE 16 EAST
MANATEE COUNTY, FLORIDA

ZNS
SP # 9
SHEET IRR-1

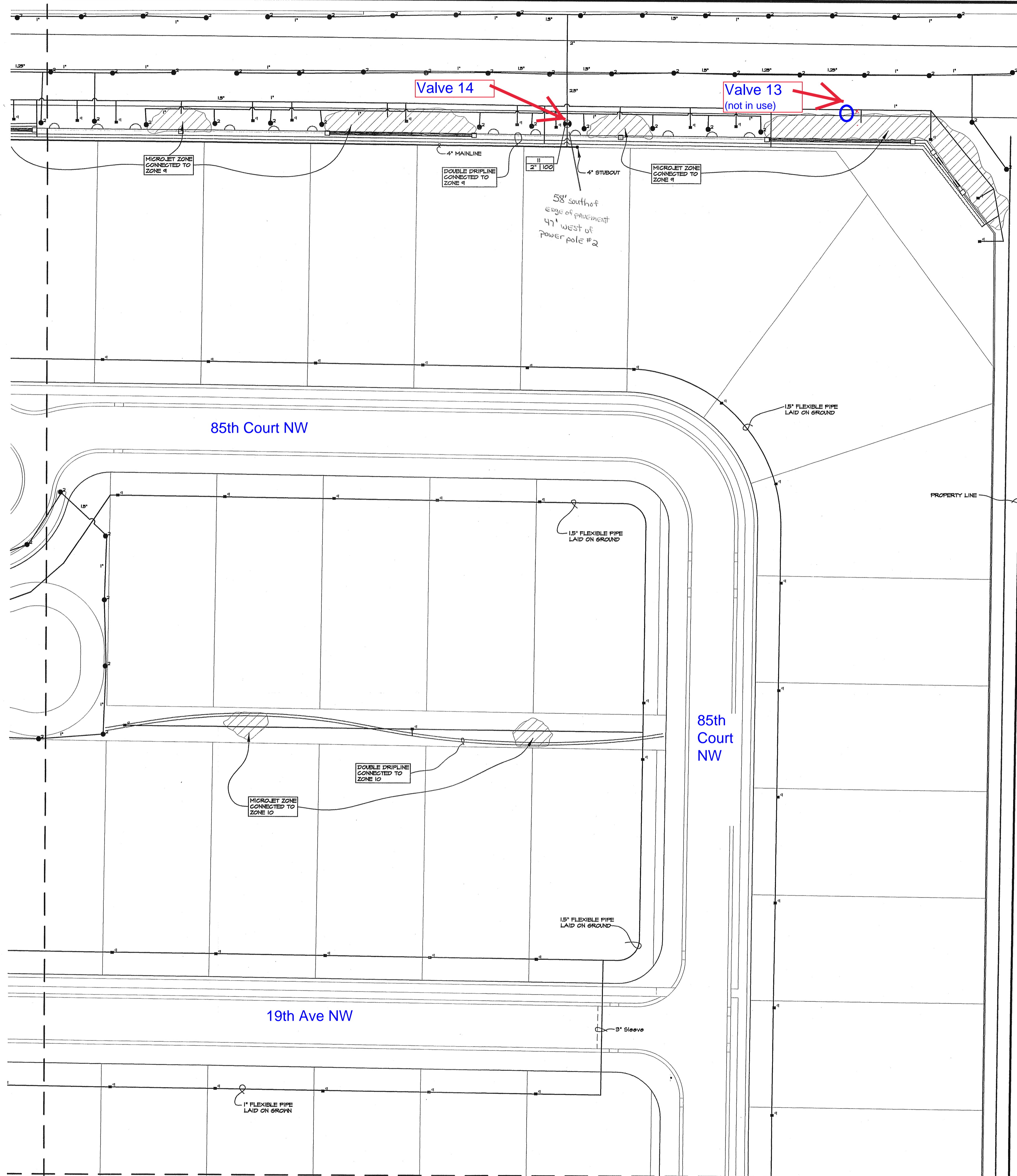
MATCH LINE E - E (SEE PAGE IRR-5)



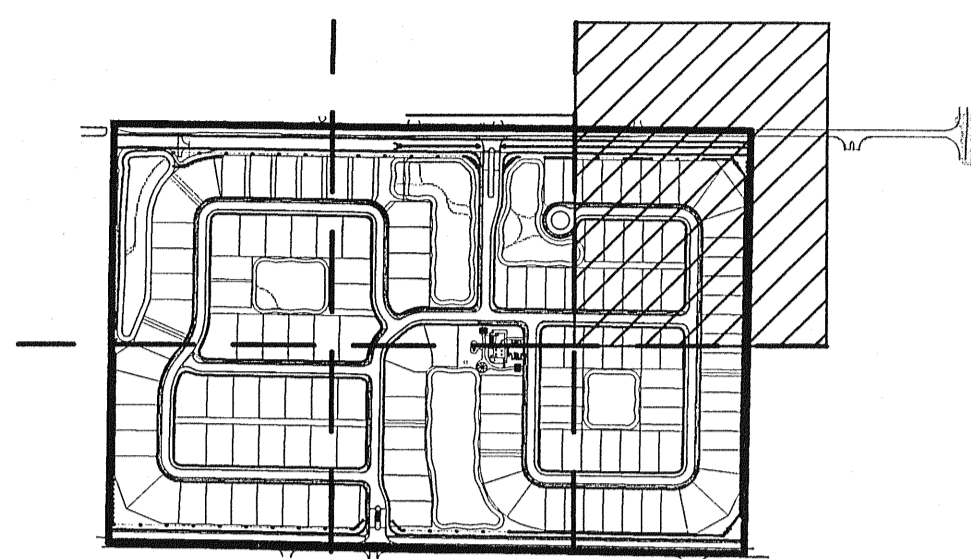
SP # 10
SHEET IRR-2

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MATCH LINE B - B (SEE PAGE IRR-2)



MATCH LINE D - D (SEE PAGE IRR-4)



Irrigation Schedule:

SYMBOL	MODEL	GPM	RADIUS
1	Hunter I-40 / Nozzle #41	10.2	52'
2	Hunter I-20 / Nozzle #3	2.7	40'
3	Hunter PGM / Nozzle #1.0	1.0	21'
4	Rainbird 1806-PRS-18 VAN	5.4/2.8	17'
5	Rainbird 1806-PRS-15 VAN	3.8/1.4	15'
6	Rainbird 1806-PRS-12 VAN	2.7/1.35	12'
7	Rainbird 1806-PRS-10 VAN	0.78	10'
8	Rainbird 1806-PRS-T-VAN	0.78	7'
9	Rainbird 1800A-F bubbler	1.5	Bubbler
10	Rainbird 1806-PRS-156ST	1.2	4' X 30'
11	Rainbird 1806-PRS-156ST	0.6	5' X 15'
12	Rainbird 1806-PRS-456ST	1.8	9' X 18'
13	Rainbird XED-80, Xert-Bird, 8 unit w/ XB-20, Barb/Red Xert-Bug emitter	2 gph (shrub) 7 gph (tree)	

* Note: Used within rotor zones only - see Irrigation Notes for emitters within Drip zones.

NOTE: IRRIGATION SYSTEM GRAPHIC DEPICTION IS INTENDED TO ASSIST CONTRACTOR IN IDENTIFYING ZONE ARRANGEMENT. NO IRRIGATION COMPONENTS (I.E. MAINLINES, VALVES, HEADS) ARE TO BE LOCATED WITHIN INDIVIDUAL LOTS. NO MAINLINES OR VALVES ARE TO BE LOCATED WITHIN STREET RIGHT-OF-WAYS EXCEPT AS NECESSARY TO CROSS RIGHT-OF-WAYS OR IRRIGATE STREET TREES.

Irrigation Notes:

GENERAL: Use of the colon following a subject heading implies the words "shall be" and has a mandatory connotation. Materials or equipment of equal quality may be substituted for those shown if approved by the Landscape Architect.

MATERIAL: Contractor agrees to furnish all materials and labor necessary to provide an operational irrigation system providing 100% coverage of all landscape areas.

CONTROLLERS: Rainbird ESP series

VALVES: Rainbird FEE

ROTOR HEADS: Hunter I-20 w/ specified nozzle

SPRAY HEADS: Rainbird 1806 w/ specified nozzle

RISERS: Schedule 40 PVC, paint black

PIPE: PVC Class 160

VALVE BOXES: 10" w/ cover

WIRE: 14 ga. suitable for direct burial (larger as needed)

WIRE SPLICES: 3M DERSK Water proof splice kit

PAINT: All exposed PVC black

SLEEVES: Schedule 40 PVC

BM: As specified

FITTINGS: Schedule 40 PVC

DRIPLINE: Netatm TLDL9-18 with all fittings.

RAIN SENSOR: Mini Click II, Model 502, Mounted on new bldg.

CONSTRUCTION: Comply with all State and Local codes. Use good irrigation practices.

WIRE: Place wire under water main. Where more than one wire is placed in trench, tape wires together at 10' intervals and bottom of main at 10' intervals. Use an expansion coil within 3' of each wire connection and 100' of wire length by wrapping 5 turns of wire around a 12" pipe then withdrawing pipe. All connections must be waterproof.

EXCAVATION: Dig trenches straight and remove all debris. Depth suitable for top of pipe as follows: Laterals - 7" Mains - 12" Sleeves - 18"

Pipe trench work shall be coordinated with landscape and other contractors to avoid interference with tree, shrub and other site improvements.

JOINTS: Remove all burrs from cut pipe, pipe clean, use cleaner on both pipe and fittings then apply glue to both, twist and ram tight. Hold until glue has set.

VALVE BOXES: Install top of box level with finish grade.

RE-USE EFFLUENT MARKINGS: All pipe and components shall be properly colored for re-use if applicable.

HEADS: Contractor to locate heads to suit field and landscape conditions. Place top of heads 1" above final grade. Install all heads plumb and rotate to most effectively cover turf and landscape. Flush before installing nozzles. Heads located along vehicular traffic ways shall be attached with 12" of flexible pipe.

CONTROLLER: Location to be determined by owner.

DRIPLINE: To be covered by mulch layer following inspection by Landscape Architect. "Spaghetti Pipe" shall be utilized as necessary to provide irrigation to root zones of individual plants.

BACKFILLING: Do not backfill until leak test by contractor and general inspection by owner's representative has been performed. Backfill may be excavated material, but must be free of rocks or stones over 1" in diameter, debris or any sharp objects.

OPERATION TESTING: Contractor shall instruct the owner on the system operation and shall run the system in the owner's presence to assure that it is functioning properly and that all heads are in correct adjustment.

GUARANTEE: Unconditionally for a year after date of acceptance, except for reason of accidental damage/abuse. Necessary corrections to be made by contractor without delay at no expense to owner. Guarantee shall be extended to cover extended warranties on individual irrigation components (i.e., valves, controllers and heads) where applicable.

PERMITS: Obtained by contractor at his expense.

CLEAN UP: Maintain site clean from pipe clippings, debris and unwanted material at the end of the day.

ELECTRICAL: Contractor shall provide concrete bantjes and meter boxes along with all other necessary electrical controls for proper operation of wells and controllers. All electrical controls shall be "hard wired" in galy. electrical conduit. The owner/general contractor shall be responsible for providing power to the meter boxes.

IRRIGATION SOURCE: Contractor shall connect into Manatee County Reuse Line to meet irrigation needs.

Zoller, Majar & Shroyer, L.C.
Engineers, Planners, Surveyors,
Landscape Architects & Environmental Consultants

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FAX (813) 246-2316
E-MAIL: ZOLLER@ZOLLER.COM

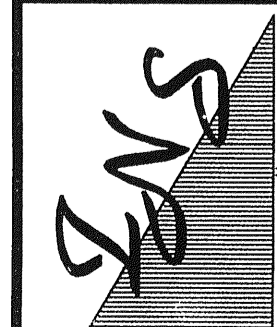
DESIGNED: AGC
DRAWN: JBP
DATE: 21 MAY 04
JOB NO.: 00-31566
FILE NO.: 1" = 30'

REVISIONS

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Irrigation Plan
FOR
WISTERIA PARK

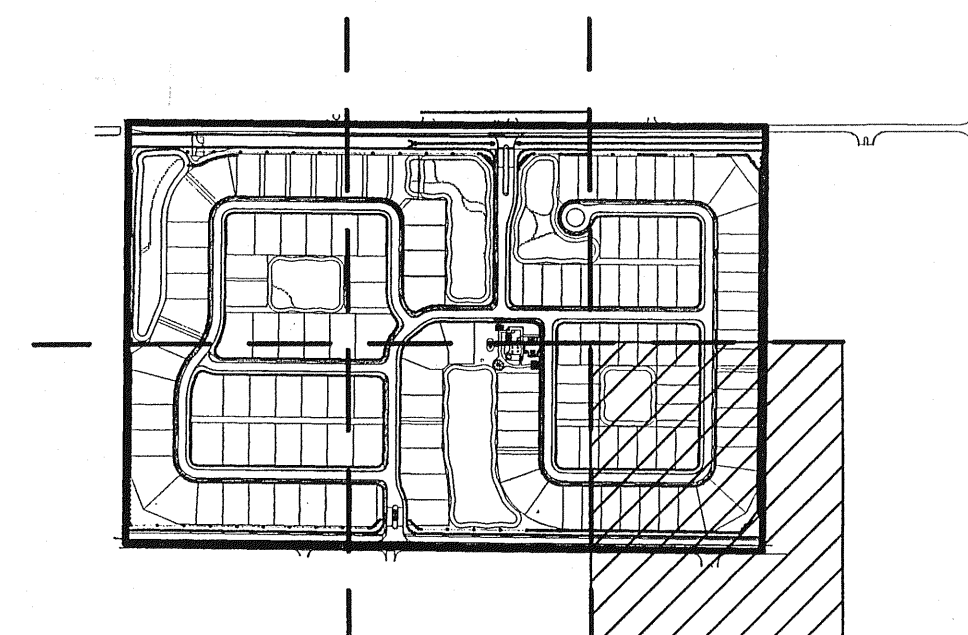
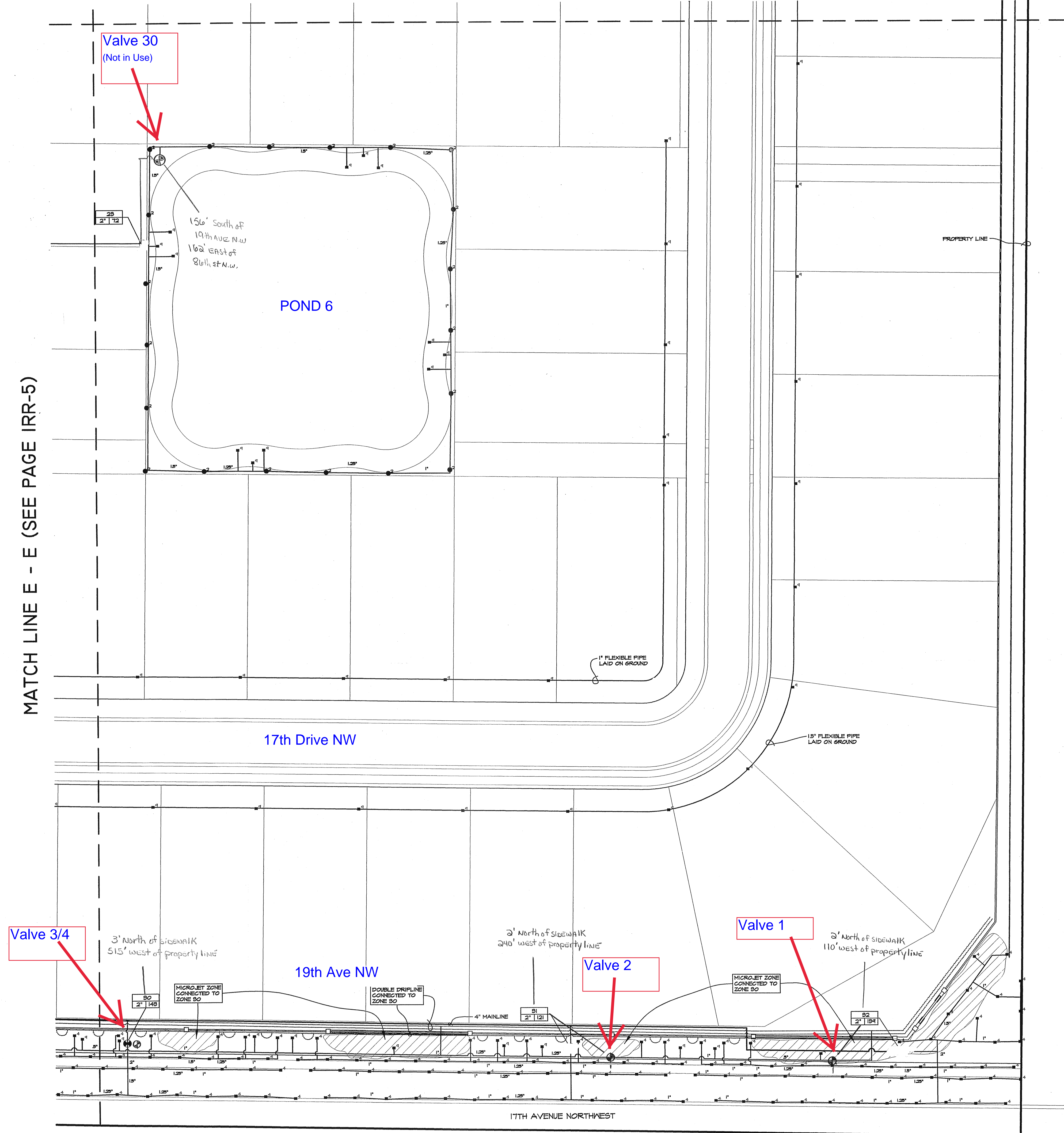
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MANATEE COUNTY, FLORIDA



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MATCH LINE E - E (SEE PAGE IRR-5)

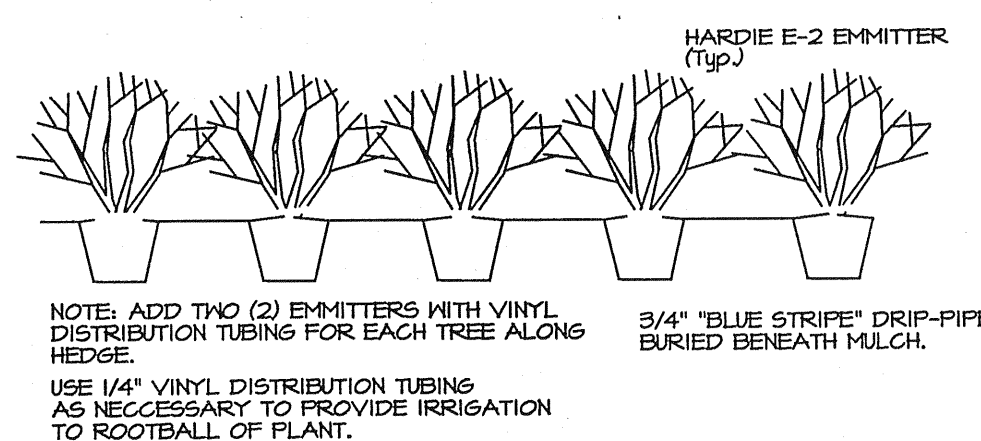
MATCH LINE C - C (SEE PAGE IRR-3)



Irrigation Schedule:			
SYMBOL	MODEL	GPM	RADIUS
1	Hunter I-40 / Nozzle #41	10.2	52'
2	Hunter I-20 / Nozzle #3	2.7	40'
3	Hunter PGM / Nozzle #10	1.0	21'
4	Rainbird 1806-FRS-18-VAN	5.4/2.8	17'
5	Rainbird 1806-FRS-15-VAN	3.8/1.9	15'
6	Rainbird 1806-FRS-12-VAN	2.7/1.35	12'
7	Rainbird 1806-FRS-10-VAN	0.78	10'
8	Rainbird 1806-FRS-7-VAN	0.78	7'
9	Rainbird 1806-FRS-4-VAN	0.78	4'
10	Rainbird 1806-FRS-1555T	1.2	4' X 30'
11	Rainbird 1806-FRS-1555T	0.6	5' X 15'
12	Rainbird 1806-FRS-1555T	1.8	4' X 10'
13	Rainbird XSD-200, Xert-Bird, 2 unit w/ XSD-200, Boro/Red Xert-Bug emitter	2 gph (shrub) 7 gph (tree)	

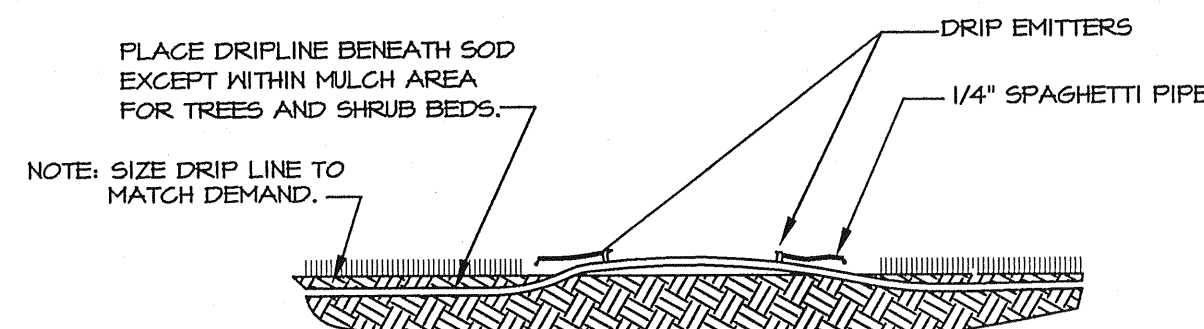
* Note: Used within rotor zones only - see Irrigation Notes for emitters within drip zones.

NOTE: IRRIGATION SYSTEM GRAPHIC DEPICTION IS INTENDED TO ASSIST CONTRACTOR IN IDENTIFYING ZONE ARRANGEMENT. NO IRRIGATION COMPONENTS (I.E. MAINLINES, VALVES, HEADS) ARE TO BE LOCATED WITHIN INDIVIDUAL LOTS. NO MAINLINES OR VALVES ARE TO BE LOCATED WITHIN STREET RIGHT-OF-WAYS EXCEPT AS NECESSARY TO CROSS RIGHT-OF-WAYS OR IRRIGATE STREET TREES.



HEDGE IRRIGATION DETAIL
NOT TO SCALE

Note: Adequate drip emitters shall be installed to provide 5 gallons per watering event for every caliper inch of tree.



DRIPLINE INSTALLATION DETAIL
NOT TO SCALE

CONTRACTOR SHALL CONTACT "CALL SUNSHINE" PH: 800-432-4710 48 HR. PRIOR TO EXCAVATION

Revisions

NO.	DESCRIPTION
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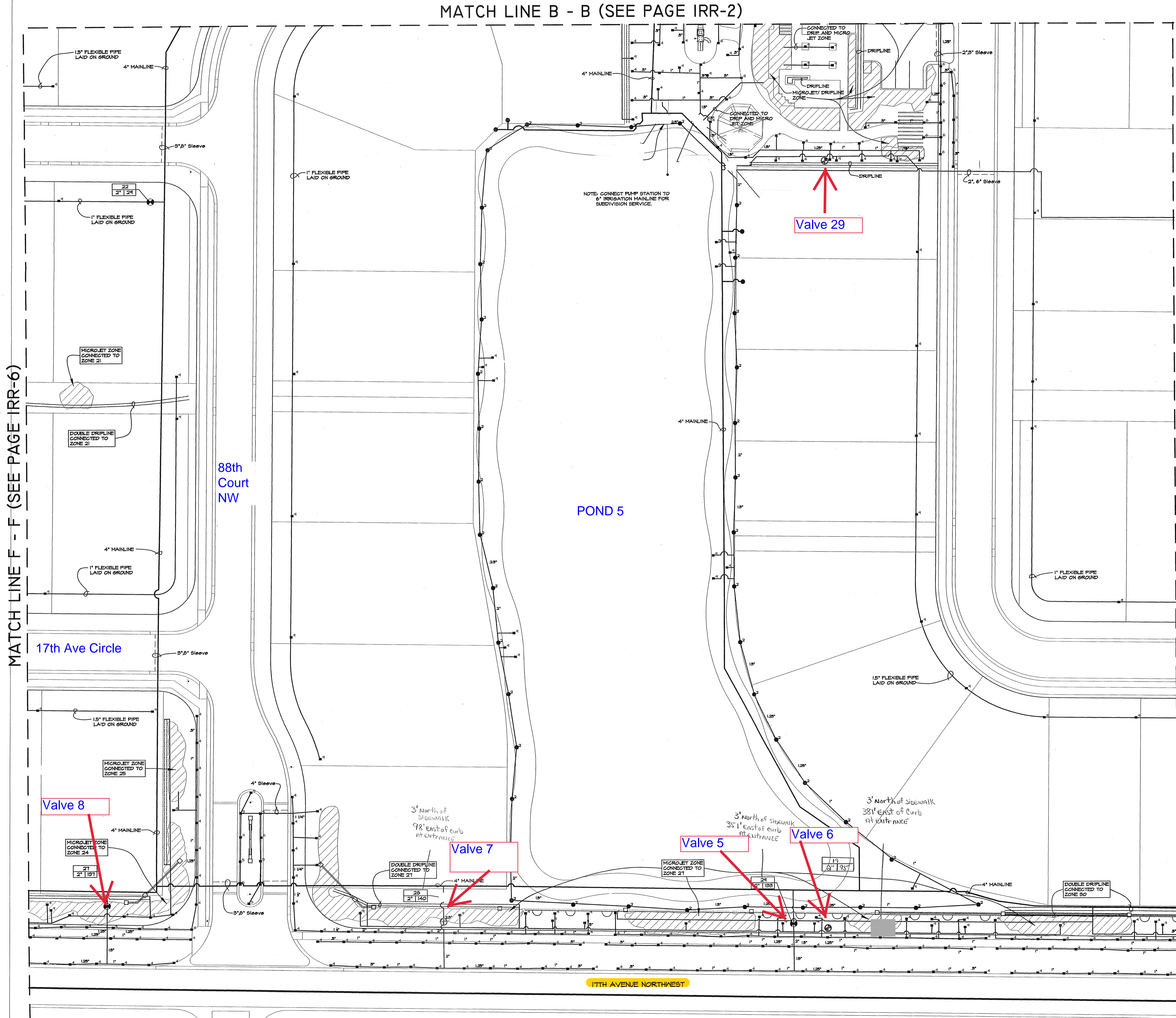
DESIGNED RCB
DRAWN JBP
DATE 27 MAY 04
JOB NO. 00-31566
SCALE 1" = 30'

12/20/04

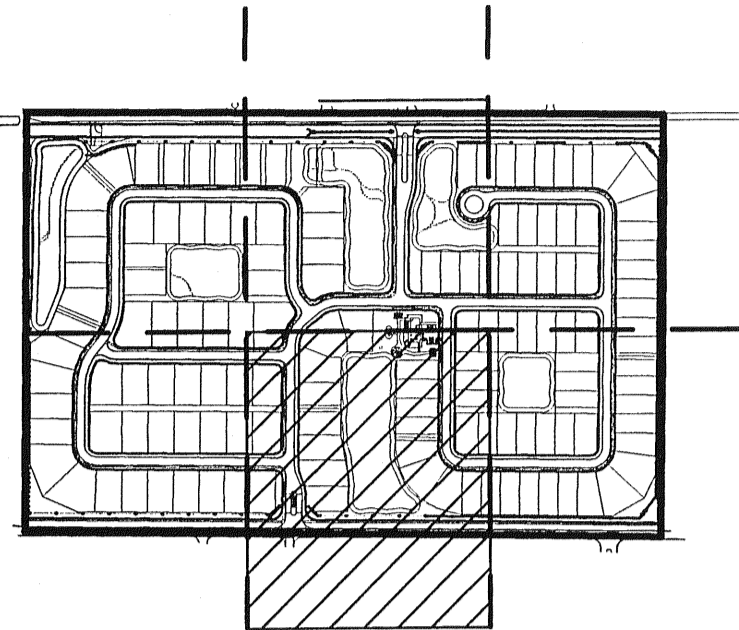
Irrigation Plan FOR WISTERIA PARK
LOCATED IN SECTION 24, TOWNSHIP 34 SOUTH, RANGE 16 EAST MANATEE COUNTY, FLORIDA

JNS
SP # 12
SHEET IRR-4

MATCH LINE F - F (SEE PAGE IRR-6)



MATCH LINE D - D (SEE PAGE IRR-4)



Irrigation Schedule:

SYMBOL	MODEL	GPM	RADIUS
●	Hunter I-40 / Nozzle #41	10.2	52'
●	Hunter I-20 / Nozzle #3	2.7	40'
●	Hunter PSM / Nozzle #10	1.0	21'
●	Rainbird 1806-FRS-18 V-AN	5.4/2.8	11'
●	Rainbird 1806-FRS-15 V-AN	3.8/1.9	15'
●	Rainbird 1806-FRS-12 V-AN	2.7/1.35	12'
●	Rainbird 1806-FRS-10 V-AN	0.78	10'
●	Rainbird 1806-FRS-7 V-AN	0.78	7'
●	Rainbird 1300A-F bubbler	1.5	Bubbler
●	Rainbird 1806-FRS-155ST	1.2	4' X 30'
●	Rainbird 1806-FRS-155ST	0.6	5' X 15'
●	Rainbird 1806-FRS-455T	1.0	9' X 18'
●	Rainbird XBD-80, Xer-Bird, 8 unit w/ X8-20, Bird/Rod Xer-Bug emitter	2 gph (shrub) 1 gph (tree)	

* Note: Used within rotor zones only - see Irrigation Notes for emitters within Drip zones.

NOTE: IRRIGATION SYSTEM GRAPHIC DEPICTION IS INTENDED TO ASSIST CONTRACTOR IN IDENTIFYING ZONE ARRANGEMENT. NO IRRIGATION COMPONENTS (I.E. MAINLINES, VALVES, HEADS) ARE TO BE LOCATED WITHIN INDIVIDUAL LOTS. NO MAINLINES OR VALVES ARE TO BE LOCATED WITHIN STREET RIGHT-OF-WAYS EXCEPT AS NECESSARY TO CROSS RIGHT-OF-WAYS OR IRRIGATE STREET TREES.



Zoller, Najjar & Shroyer, L.L.C.

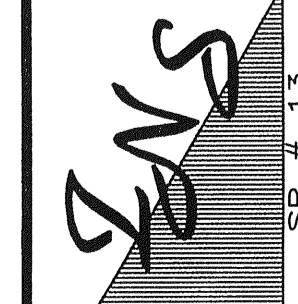
Engineers, Planners, Surveyors,
Landscape Architects & Environmental Consultants
10000 W. 11th Avenue, Suite 100, Denver, CO 80202
TEL: 303.755.1100 FAX: 303.755.1101
E-MAIL: ZNS@ZNS-LLC.COM

REVISIONS

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Irrigation Plan
FOR
WISTERIA PARK

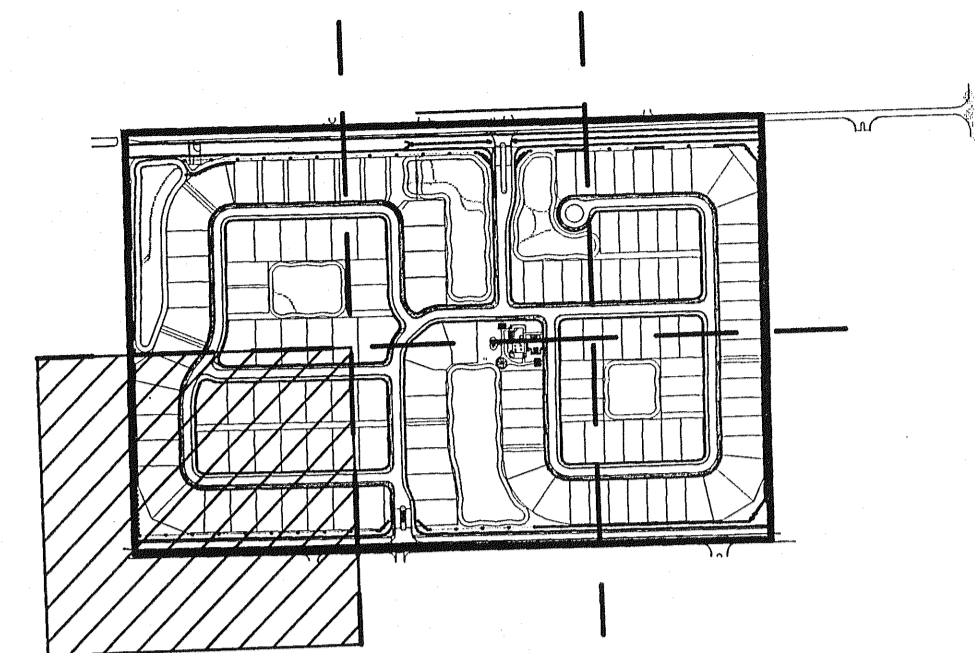
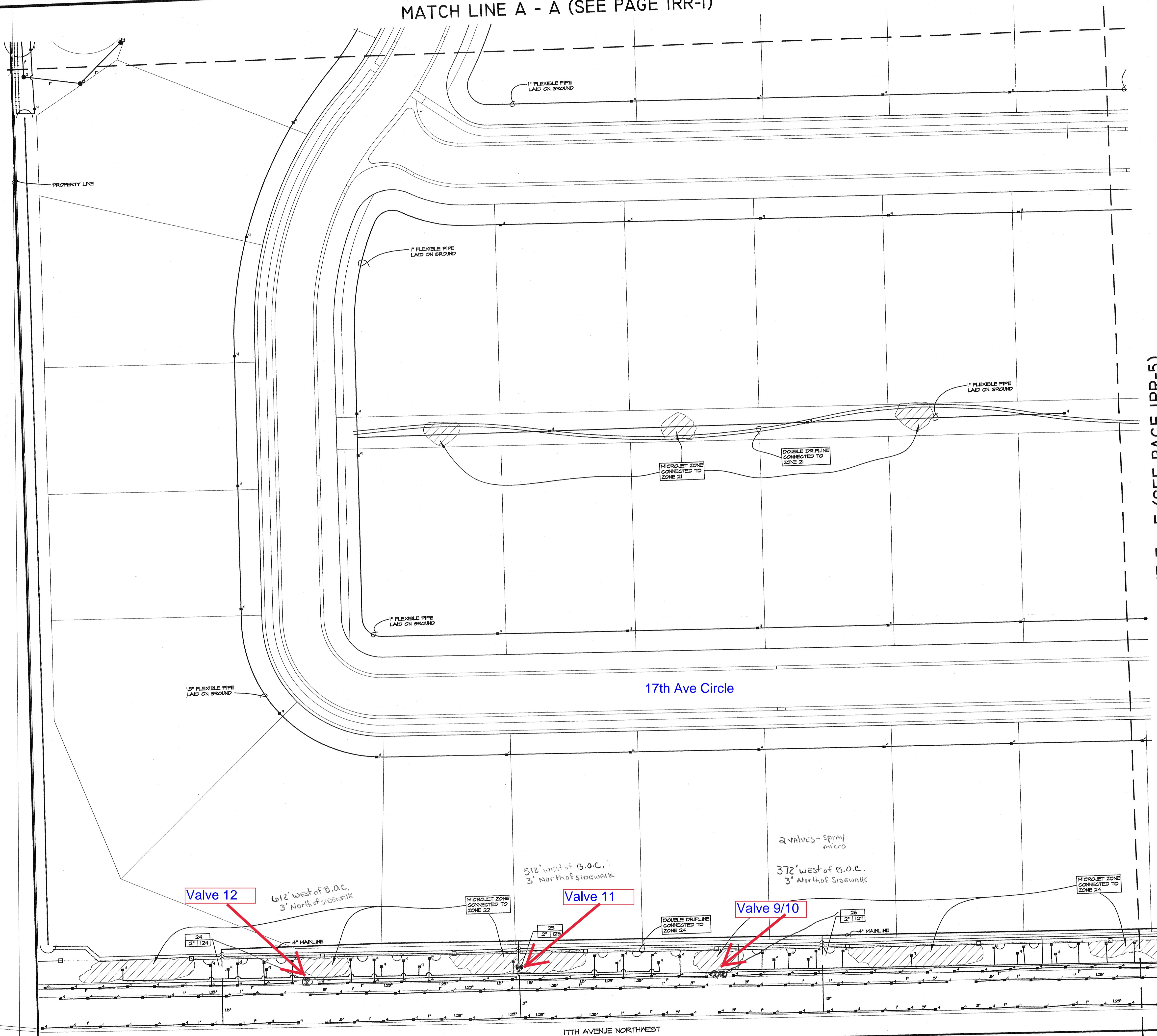
LOCATED IN
SECTION 24, TOWNSHIP 34 SOUTH, RANGE 16 EAST
MANATEE COUNTY, FLORIDA



CONTRACTOR SHALL CONTACT "CALL SUNSHINE"
PHI-800-432-4TIO 48 HR. PRIOR TO EXCAVATION

12/20/04
Last Plotted By: Jns
Plot date and time: 2004/09/16 11:03
Sheet Title:
Job Number:
CAD file name: X:\0404\WISTERA\WIS-IRR.dwg
SP # 14
SHEET IRR-5

MATCH LINE A - A (SEE PAGE IRR-I)

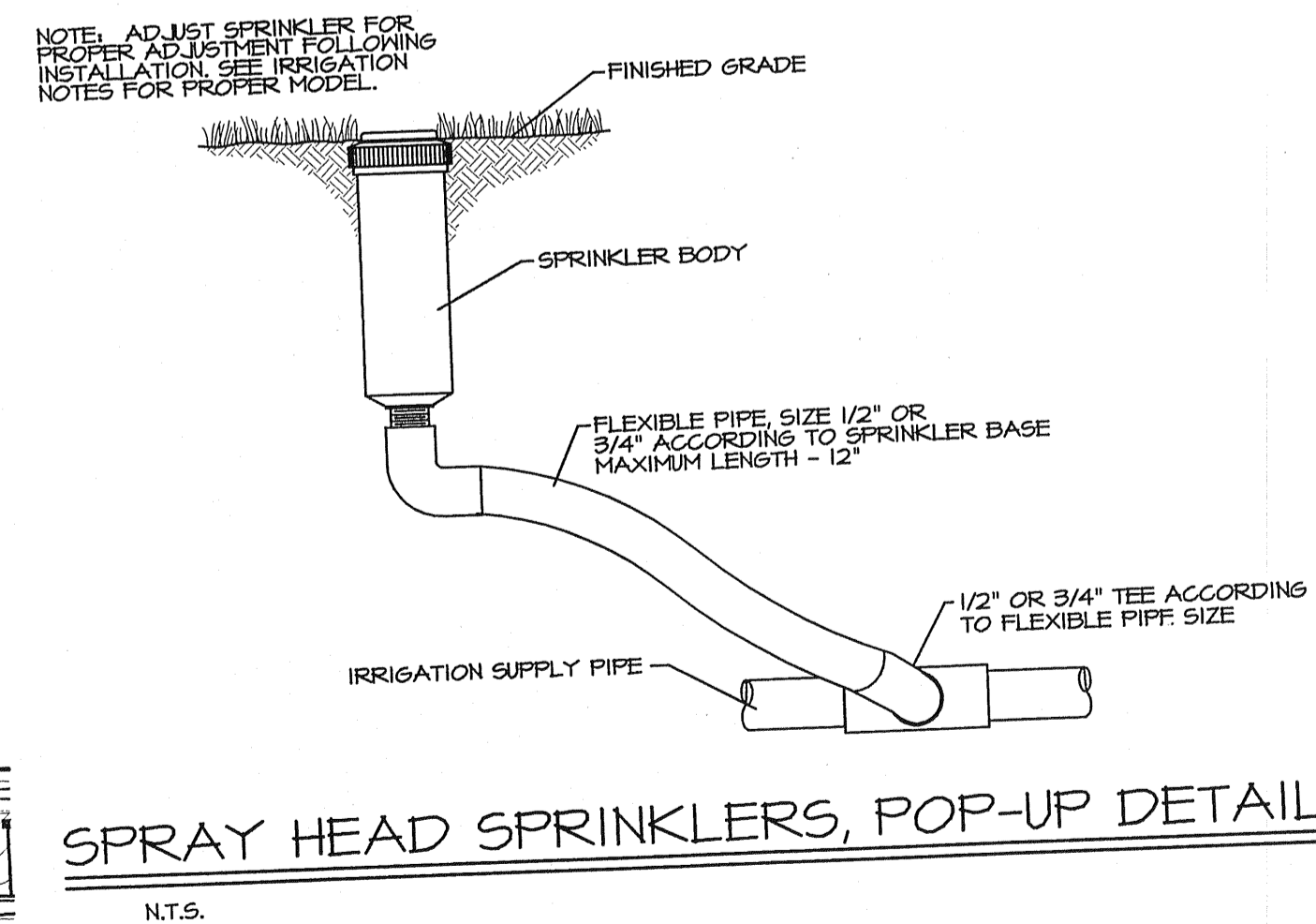


Irrigation Schedule:

SYMBOL	MODEL	GPM	RADIUS
1	Hunter I-40 / Nozzle #41	10.2	52'
2	Hunter I-20 / Nozzle #3	2.7	40'
3	Hunter PGM / Nozzle #1.0	1.0	21'
4	Rainbird 1806-PRS-18-VAN	5.4/2.8	17'
5	Rainbird 1806-PRS-15-VAN	3.8/1.9	15'
6	Rainbird 1806-PRS-12-VAN	2.7/1.35	12'
7	Rainbird 1806-PRS-10-VAN	0.78	10'
8	Rainbird 1806-PRS-7-VAN	0.78	7'
9	Rainbird 1800A-F bubbler	1.5	Bubbler
10	Rainbird 1806PRS-155BT	1.2	4' X 30'
11	Rainbird 1806-PRS-155BT	0.6	5' X 15'
12	Rainbird 1806-PRS-455T	1.8	4' X 18'
13	Rainbird XBP-80, Xert-Bird, 8 unit w/ XB-201 Barb/Red Xert-Bug emitter	2 gph (shrub) 1 gph (tree)	

* Note: Used within rotor zones only - see Irrigation Notes for emitters within Drip zones.

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CONTRACTOR SHALL CONTACT "CALL SUNSHINE"
PH: 800-432-4770 48 HR. PRIOR TO EXCAVATION

Zoller, Najjar & Shroyer, L.C.

Engineers, Planners, Surveyors,
Landscape Architects & Environmental Consultants

1000122
P.O. BOX 9045
PORT ORANGE, FL 32127
TEL: (407) 748-3316
FAX: (407) 748-3316
E-MAIL: ZNS@ZNS-FLA.COM

DESIGNED: JBP
DRAWN: JBP
DATE: 21 MAY 04
JOB NO.: 00-31568
SCALE: 1" = 30'

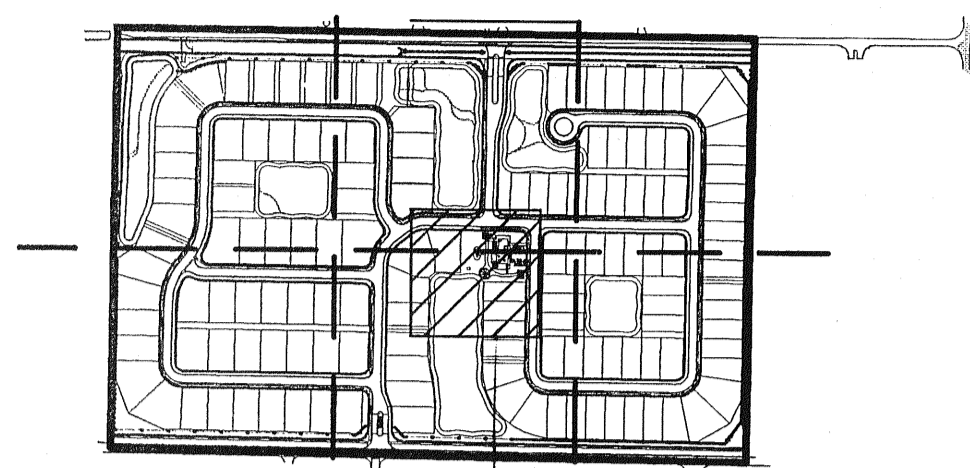
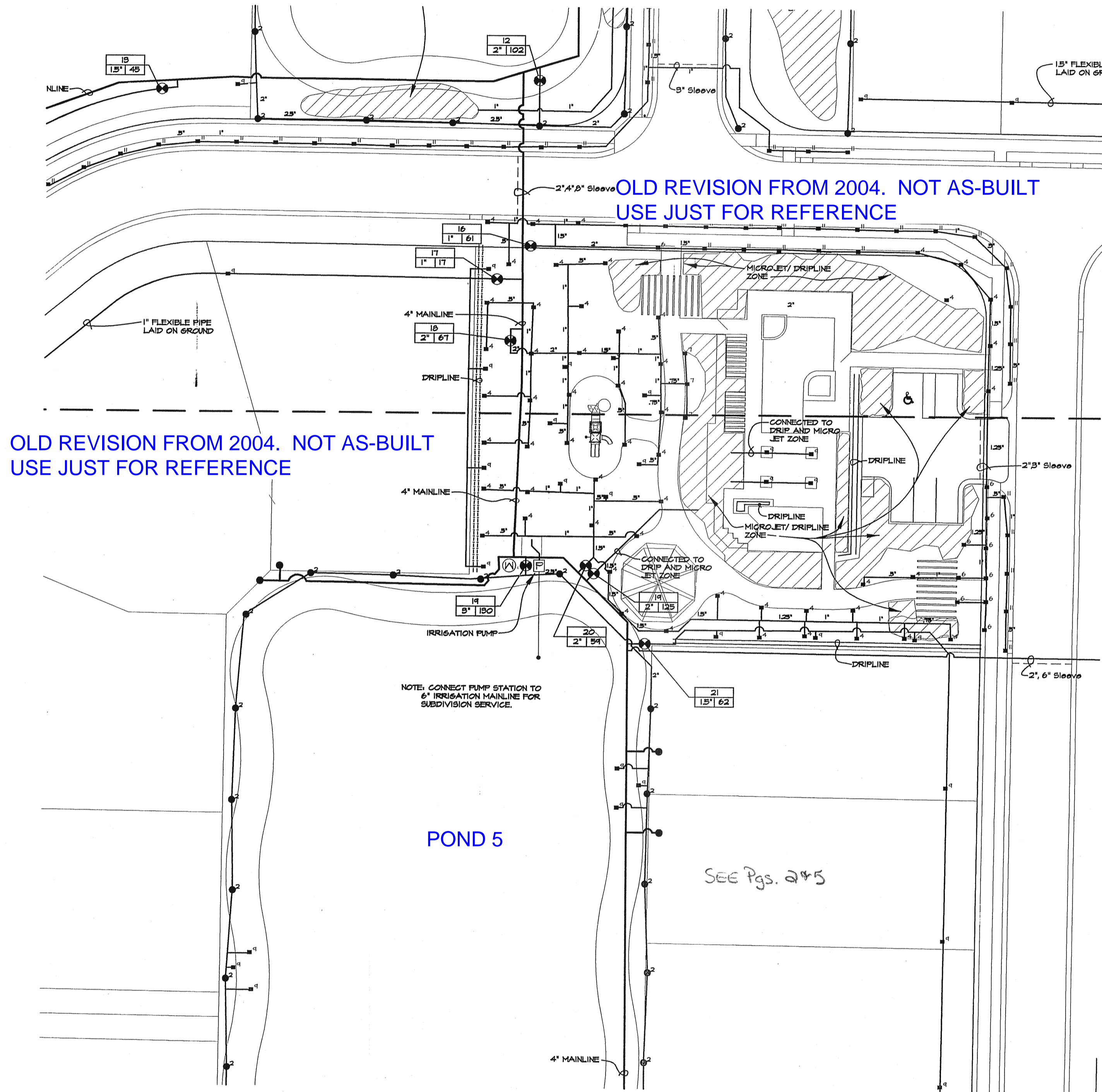
REVISIONS

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Irrigation Plan
FOR
WISTERIA PARK

SECTION 24, TOWNSHIP 34 SOUTH, RANGE 16 EAST
MANATEE COUNTY, FLORIDA

ZNS
SP # 14
SHEET IRR-5



Irrigation Schedule:

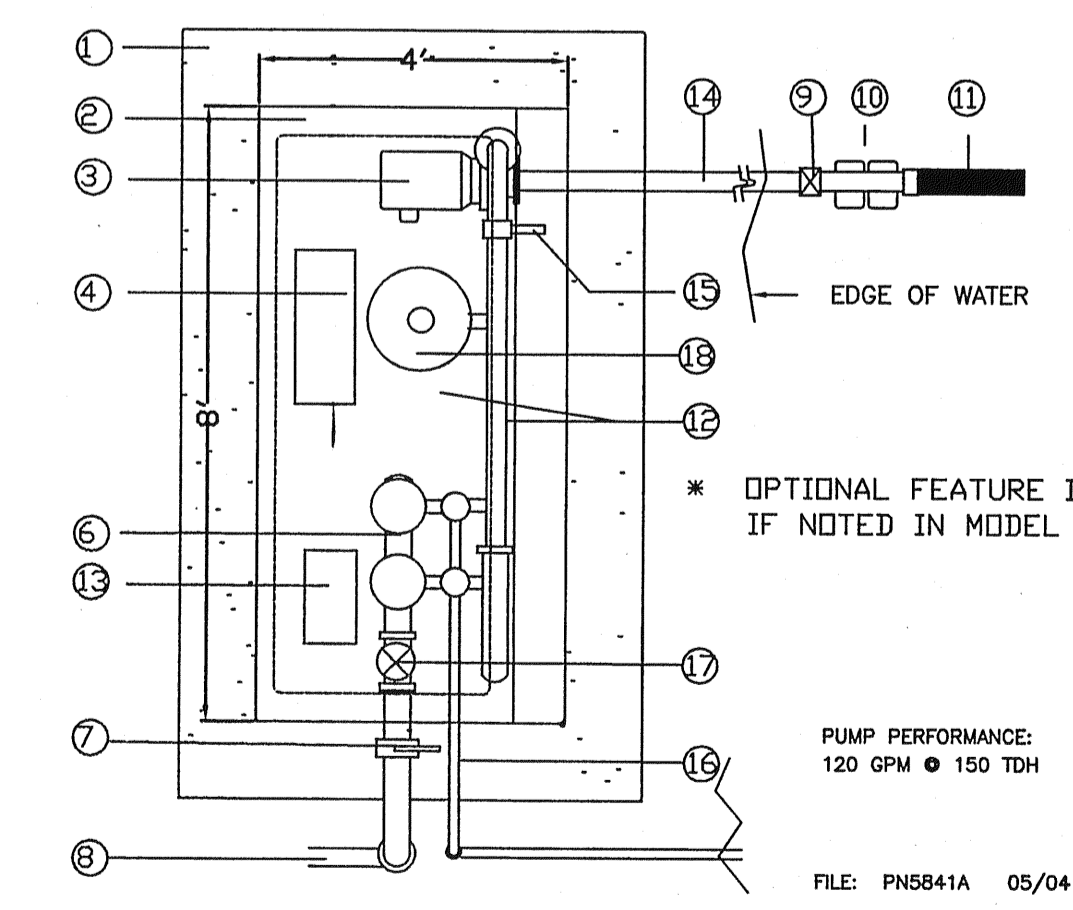
SYMBOL	MODEL	GPM	RADIUS
1	Hunter I-40 / Nozzle #41	10.2	52'
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9	Rainbird 1800A-F bubbler	1.5	Bubbler
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* Note: Used within rotor zones only - see Irrigation Notes for emitters within Drip zones.

NOTE: IRRIGATION SYSTEM GRAPHIC DEPICTION IS INTENDED TO ASSIST CONTRACTOR IN IDENTIFYING ZONE ARRANGEMENT. NO IRRIGATION COMPONENTS (I.E. MAINLINES, VALVES, HEADS) ARE TO BE LOCATED WITHIN INDIVIDUAL LOTS. NO MAINLINES OR VALVES ARE TO BE LOCATED WITHIN STREET RIGHT-OF-WAYS EXCEPT AS NECESSARY TO CROSS RIGHT-OF-WAYS OR IRRIGATE STREET TREES.

NOTE: SUCTION FITTINGS THROUGH 3" DIA. SHALL BE SCHED. 40 PVC SOLVENT AND OVER 3" DIA. VICTAULIC GALVANIZED STEEL. ALL SUCTION PIPE THROUGH 4" DIA. SHALL BE SCHED. 40 PVC AND SCHED. 40 GALVANIZED STEEL OVER 4" DIA. CHECK VALVES 3" AND LARGER SHALL BE SWING TYPE, 2 1/2" AND SMALLER SHALL BE PIPPET STYLE. ALL EXPOSED SUCTION & DISCHARGE PIPE SHALL BE GALVANIZED STEEL

- 1 10'X8'REINFORCED CONCRETE PAD (6" THICK)
- 2 4'X8' FIBERGLASS REINFORCED ENCLOSURE WITH FOREST GREEN GELCOAT FINISH
- 3 CENTRIFUGAL PUMP 7.5 HP (TEFC MOTOR WHEN > 5HP)
- 4 CONTROL PANEL MAINTAIN 42" CLEARANCE ASSEMBLY
- 5 N/A
- 6 DISCHARGE FILTER WITH 3 BATTERY 120 MESH FILTERS, AUTO FLUSH VIA ADJUSTABLE PRESSURE & TIME SETTINGS WHILE PROVIDING FULL IRRIG FLOW
- 7 BUTTERFLY VALVE
- 8 IRRIGATION MAIN
- 9 CHECK VALVE
- 10 RIP-RAP SUPPORTS
- 11 316 STAINLESS STEEL SCREEN ASSEMBLY
- 12 GALV STEEL SKID AND DISCHARGE HEADER
- 13 FILTER CONTROL PANEL
- 14 SUCTION LINE LENGTH VARIES, SEE PLAN
- 15 FLOW SWITCH
- 16 1" FILTER BACK WASH LINE TO SOURCE WITH CHECK VALVE
- 17 PRESSURE SUSTAINING VALVE/FLOW METER
- 18 PRESSURE TANK 47 GALLON CAPACITY 125 PSI
- 19 N/A



HOOVER PUMPING MODEL: HCF-7.5PD230/1-H,L,M,Z
Pompano Beach, Florida, Tel 954-971-7350

WISTERIA
PUMP SYSTEM DISCHARGE FILTER
FIBERGLASS ENCLOSED SINGLE LAKE SUCTION DISCHARGE FILTER
PRESSURE DEMAND

Recreation Center Irrigation Plan
FOR
WISTERIA PARK
LOCATED IN
SECTION 24, TOWNSHIP 34 SOUTH, RANGE 16 EAST
MANATEE COUNTY, FLORIDA

Zoller, Najjar & Shroyer, L.C.
Engineers, Planners, Surveyors,
Architects & Environmental Consultants
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REVISIONS
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DESIGNED: RJC
DRAWN: JBP
DATE: 4/23/04
JOB NO.: 00-31566
SCALE: 1"= 30'