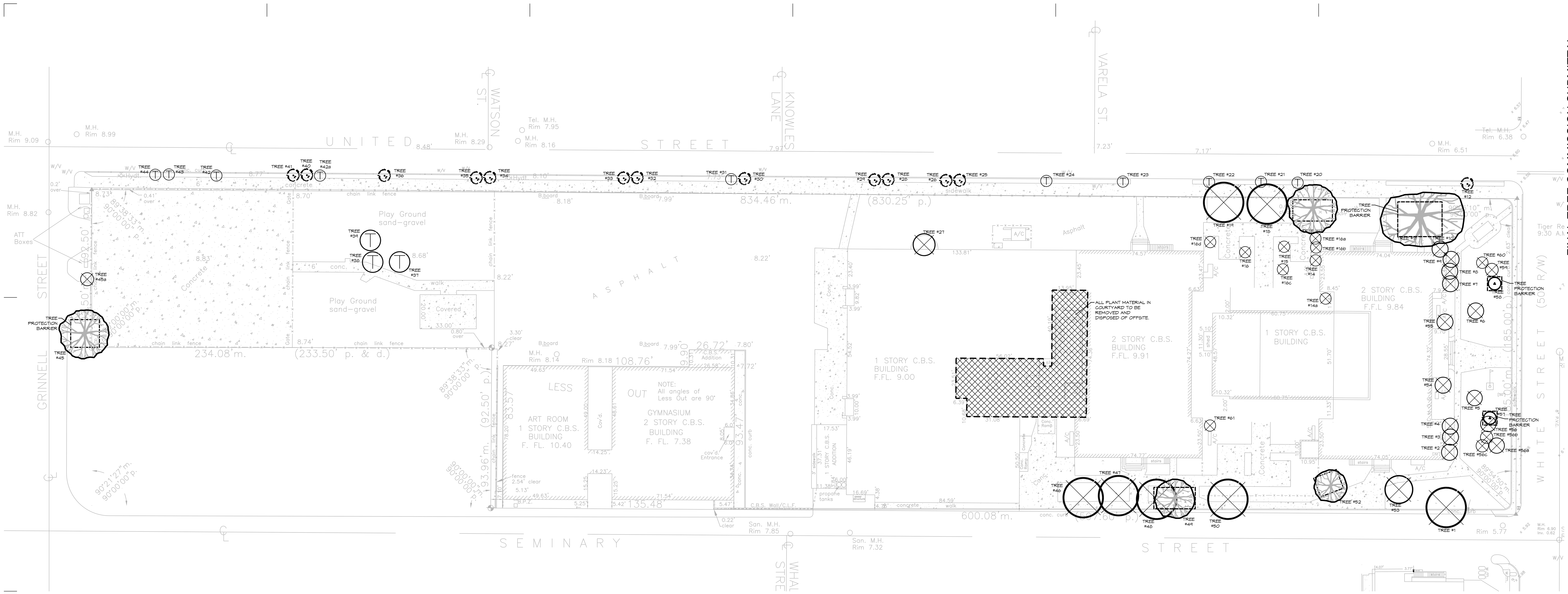
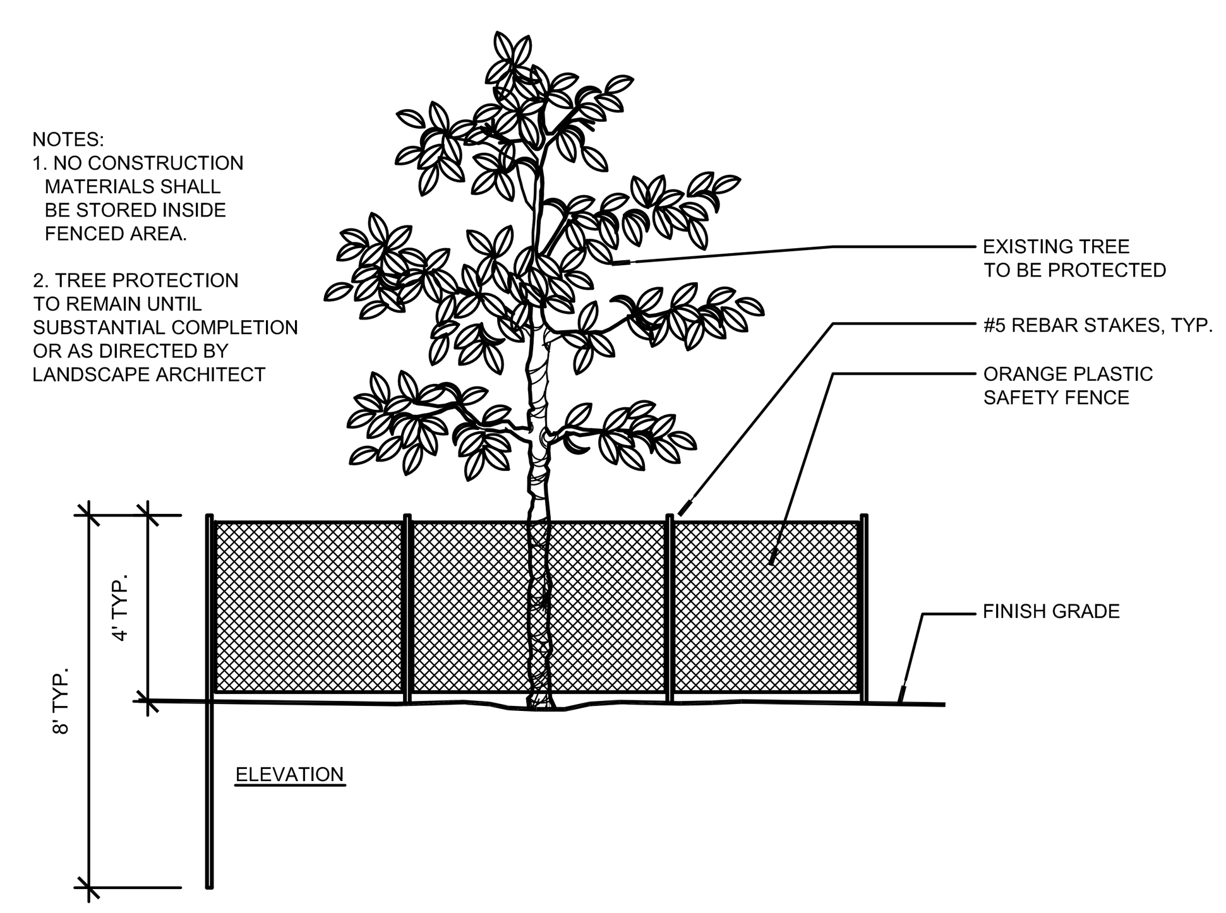
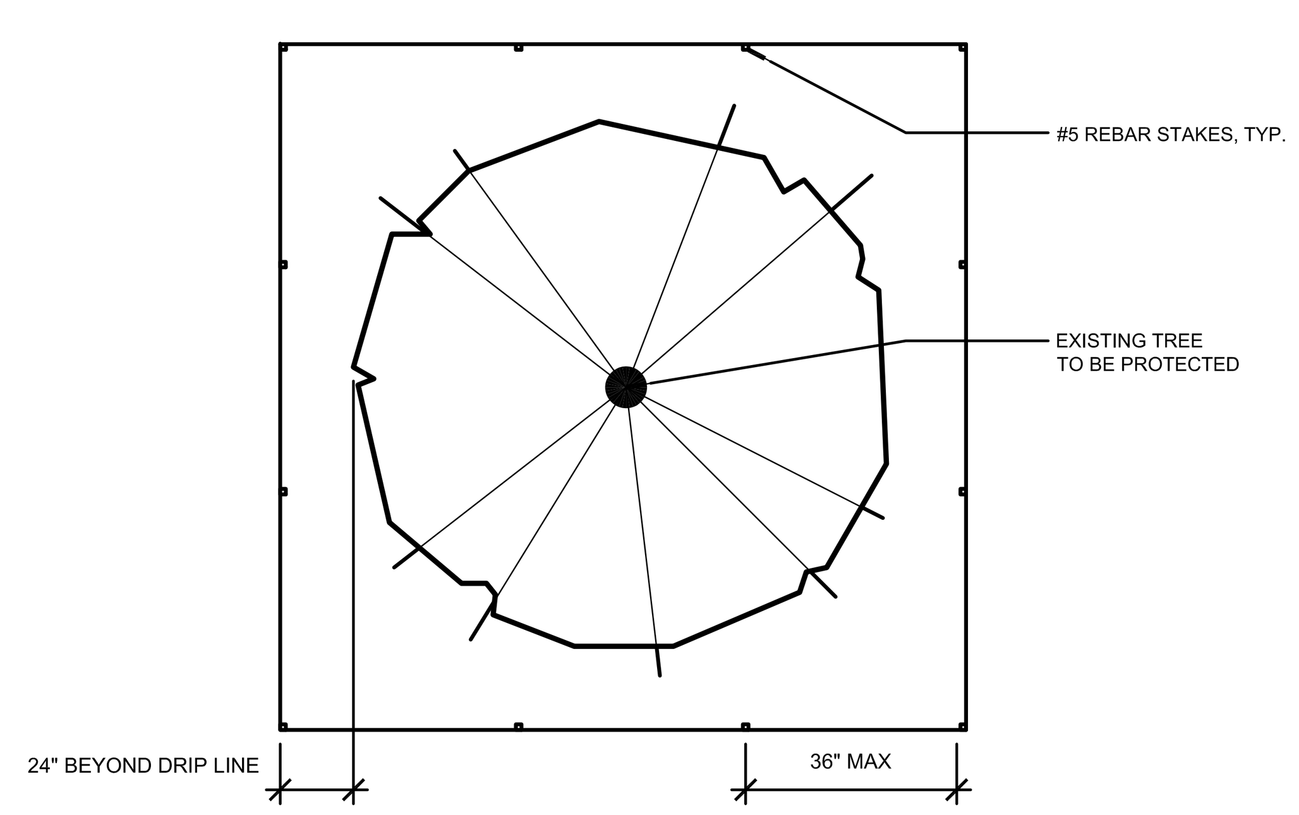


1 EXISTING TREE PLAN
L-01 SCALE: 1"=30'-0"





2 TREE PROTECTION DETAIL
L-01 SCALE: N.T.S.

EXISTING TREE CHART

Tree #	Botanical Name	Common Name	SIZE	Status/Action
1	Delonix regia	Royal Poinciana	15" DBH	Remove
2	Syagrus romanzoffiana	Queen Palm	OVER 8'	Remove
3	Syagrus romanzoffiana	Queen Palm	OVER 8'	Remove
4	Ptychosperma elegans	Alexander Palm	OVER 8'	Remove
5	Callistemon viminalis	Bottlebrush Tree	6" DBH	Remove
6	Callistemon viminalis	Bottlebrush Tree	6" DBH	Remove
7	Ptychosperma elegans	Alexander Palm	OVER 8'	Remove
8	Syagrus romanzoffiana	Queen Palm	OVER 8'	Remove
9	Syagrus romanzoffiana	Queen Palm	OVER 8'	Remove
10	Ptychosperma elegans	Alexander Palm	OVER 8'	Remove
11	Swietenia mahagoni	Mahogany Tree	30" DBH	Preserve
12	Sabal palmetto	Cabbage Palm	8" DBH	Preserve
13	No Tree N/A	N/A	N/A	N/A
14	Coccoloba uvifera	Sea Grape	6" DBH	Remove
14a	Thrinax radiata	Florida Thatch Palm	10' CT.	Remove
15	Ptychosperma elegans	Alexander Palm	7' CT.	Remove
16	Ptychosperma elegans	Alexander Palm	14' CT.	Remove
16a	Ptychosperma elegans	Alexander Palm	17' CT.	Remove
16b	Ptychosperma elegans	Alexander Palm	12' CT.	Remove
16c	Ptychosperma elegans	Alexander Palm	8.5' CT.	Remove
16d	Ptychosperma elegans	Alexander Palm	4' CT.	Remove
17	Bursera simaruba	Gumbo Limbo	12" DBH	Preserve
18	Delonix regia	Royal Poinciana	24" DBH	Remove
19	Bursera simaruba	Gumbo Limbo	10" DBH	Remove
20	Sabal palmetto	Cabbage Palm	6" DBH	Transplant
21	Sabal palmetto	Cabbage Palm	6" DBH	Transplant
22	Sabal palmetto	Cabbage Palm	8" DBH	Transplant
23	Sabal palmetto	Cabbage Palm	6" DBH	Transplant
24	Sabal palmetto	Cabbage Palm	6" DBH	Transplant
25	Sabal palmetto	Cabbage Palm	8" DBH	Preserve
26	Sabal palmetto	Cabbage Palm	8" DBH	Preserve
27	Schefflera actinophylla	Umbrella Tree	24" DBH	Remove
28	Sabal palmetto	Cabbage Palm	8" DBH	Preserve
29	Sabal palmetto	Cabbage Palm	8" DBH	Preserve
30	Sabal palmetto	Cabbage Palm	8" DBH	Preserve
31	Sabal palmetto	Cabbage Palm	8" DBH	Transplant
32	Sabal palmetto	Cabbage Palm	6" DBH	Preserve
33	Sabal palmetto	Cabbage Palm	6" DBH	Preserve
34	Sabal palmetto	Cabbage Palm	8" DBH	Preserve
35	Sabal palmetto	Cabbage Palm	8" DBH	Preserve
36	Sabal palmetto	Cabbage Palm	8" DBH	Preserve
37	Cocos nucifera	Coconut Palm	6" DBH	Transplant
38	Cocos nucifera	Coconut Palm	6" DBH	Transplant

EXISTING TREE CHART

Tree #	Botanical Name	Common Name	SIZE	Status/Action
39	Cocos nucifera	Coconut Palm	6" DBH	Transplant
40	Sabal palmetto	Cabbage Palm	8" DBH	Preserve
41	Sabal palmetto	Cabbage Palm	8" DBH	Preserve
42	Sabal palmetto	Cabbage Palm	6" DBH	Transplant
42a	Sabal palmetto	Cabbage Palm	6" DBH	Transplant
43	Sabal palmetto	Cabbage Palm	8" DBH	Transplant
44	Sabal palmetto	Cabbage Palm	8" DBH	Transplant
45	Ficus sp.	Ficus Tree	48" DBH	Preserve
45a	Ptychosperma elegans	Alexander Palm	13' CT.	Remove
46	Delonix regia	Royal Poinciana	26" DBH	Remove
47	Hura crepitans	Sandbox Tree	26" DBH	Remove
48	Hura crepitans	Sandbox Tree	17" DBH	Remove
49	Hura crepitans	Sandbox Tree	19" DBH	Preserve
50	Hura crepitans	Sandbox Tree	28" DBH	Remove
51	No Tree N/A	N/A	N/A	N/A
52	Piscidia piscipula	Jamaican Dogwood	8" DBH	Preserve
53	Piscidia piscipula	Jamaican Dogwood	12" DBH	Remove
54	Ptychosperma elegans	Alexander Palm	OVER 8'	Remove
55	Ptychosperma elegans	Alexander Palm	OVER 8'	Remove
56	Conocarpus erectus	Silver Buttonwood	8" DBH	Remove
56a	Senna polyphylla	Desert Cassia	8.5" DBH	Remove
56b	Juniperus silicicola	Southern Red Cedar	2.5" DBH	Remove
56c	Juniperus silicicola	Southern Red Cedar	2" DBH	Remove
57	Lignum vitae	Tree of Life	N/A	Preserve
58	Lignum vitae	Tree of Life	N/A	Preserve
59	Senna polyphylla	Desert Cassia	5" DBH	Remove
60	Juniperus silicicola	Southern Red Cedar	1" DBH	Remove
61	Sabal palmetto	Cabbage Palm	4' CT.	Remove

Notes:
1. ALL STUMPS AND ROOTS TO BE REMOVED. PROVIDE FILL WHERE NEEDED TO RETURN TO EXISTING NATURAL GRADE.
2. GRIND STUMPS 4" BELOW GRADE WHERE CALLED OUT ON PLAN - REMOVE ALL CHIPPING FROM PROCESS, AND DISPOSE OFF-SITE
3. REMOVE ALL MISCELLANEOUS SHRUBS AND GROUNDCOVER FROM SITE.
4. ALL SABAL PALMS BEING REMOVED SHALL BE TRANSPLANTED TO A FINAL LOCATION DETERMINED BY CITY OF KEY WEST.

TRUE NORTH
PROJECT NORTH

FINAL TREE COMMISSION SUBMITTAL

REVISIONS:
1. 07/28/2014 REVISED PER DRC REVIEW

KEY WEST CITY HALL AT GLYNN ARCHER

1300 WHITE STREET KEY WEST, FLORIDA
CITY OF KEY WEST

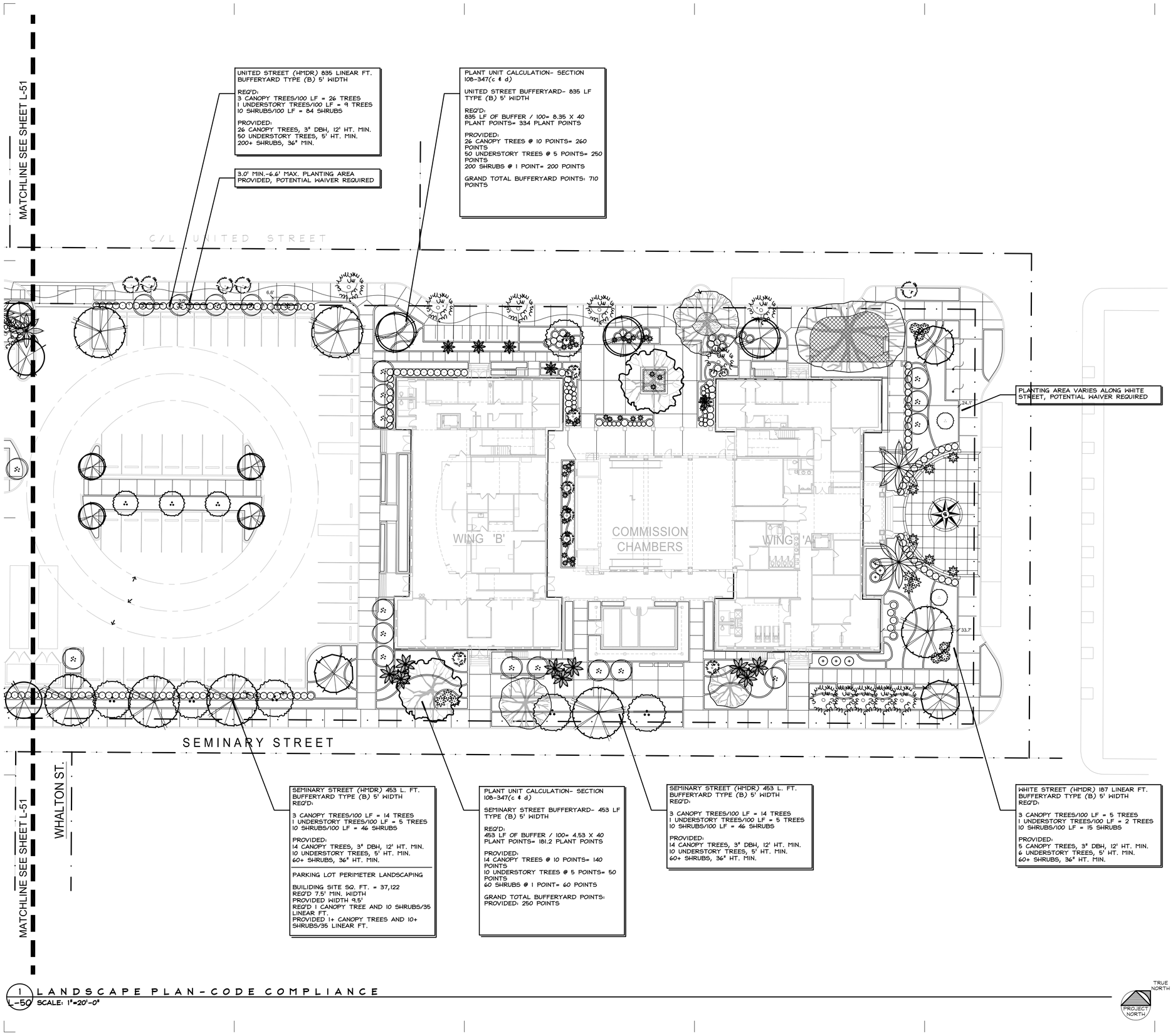
LANDSCAPE ARCHITECT
LITTLEJOHN ENGINEERING ASSOCIATES

410 Angela Street
Key West, Florida 33040
Telephone (305) 296-1347
Facsimilie (305) 296-2727
Florida License AAC002022

Bender & Associates ARCHITECTS p.a.

Project No. 1305
EXISTING TREE PLAN & REMOVAL SCHEDULE
Date: 03/28/14

L-01
___ OF ___



1 LANDSCAPE PLAN-CODE COMPLIANCE
L-50 SCALE: 1"=20'-0"

TRUE NORTH
PROJECT NORTH

SHEET NOTES:

1. SEE PLANTING PLANS AND PLANT LIST FOR ALL PLANTING DESIGN AND PLANT SPECIFICATIONS.

FINAL TREE COMMISSION SUBMITTAL

REVISIONS:
1. 01/28/2014 REVISED PER DRC REVIEW

KEY WEST CITY HALL
AT GLYNN ARCHER
1300 WHITE STREET KEY WEST, FLORIDA
CITY OF KEY WEST

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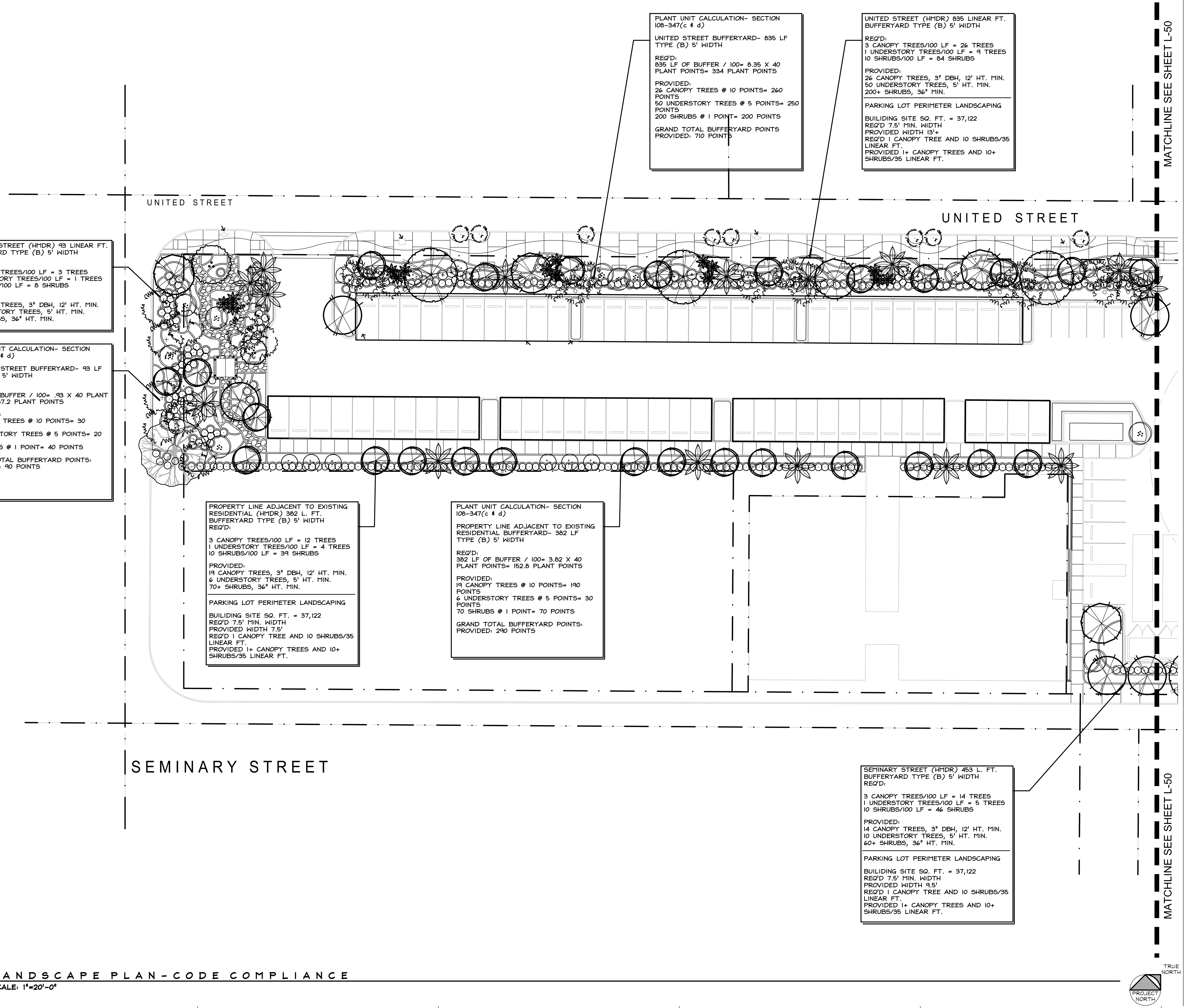
Bender & Associates ARCHITECTS *p.a.*

Project No. 1305
SITE LANDSCAPE PLAN- CODE COMPLIANCE
Date: 03/28/14

L-50

SHEET NOTES:

1. SEE PLANTING PLANS AND PLANT LIST FOR ALL PLANTING DESIGN AND PLANT SPECIFICATIONS.



1 L-51 LANDSCAPE PLAN-CODE COMPLIANCE
SCALE: 1"=20'-0"

FINAL TREE COMMISSION SUBMITTAL

REVISIONS:
1. 01/28/2014 REVISED PER DRC REVIEW

KEY WEST CITY HALL AT GLYNN ARCHER

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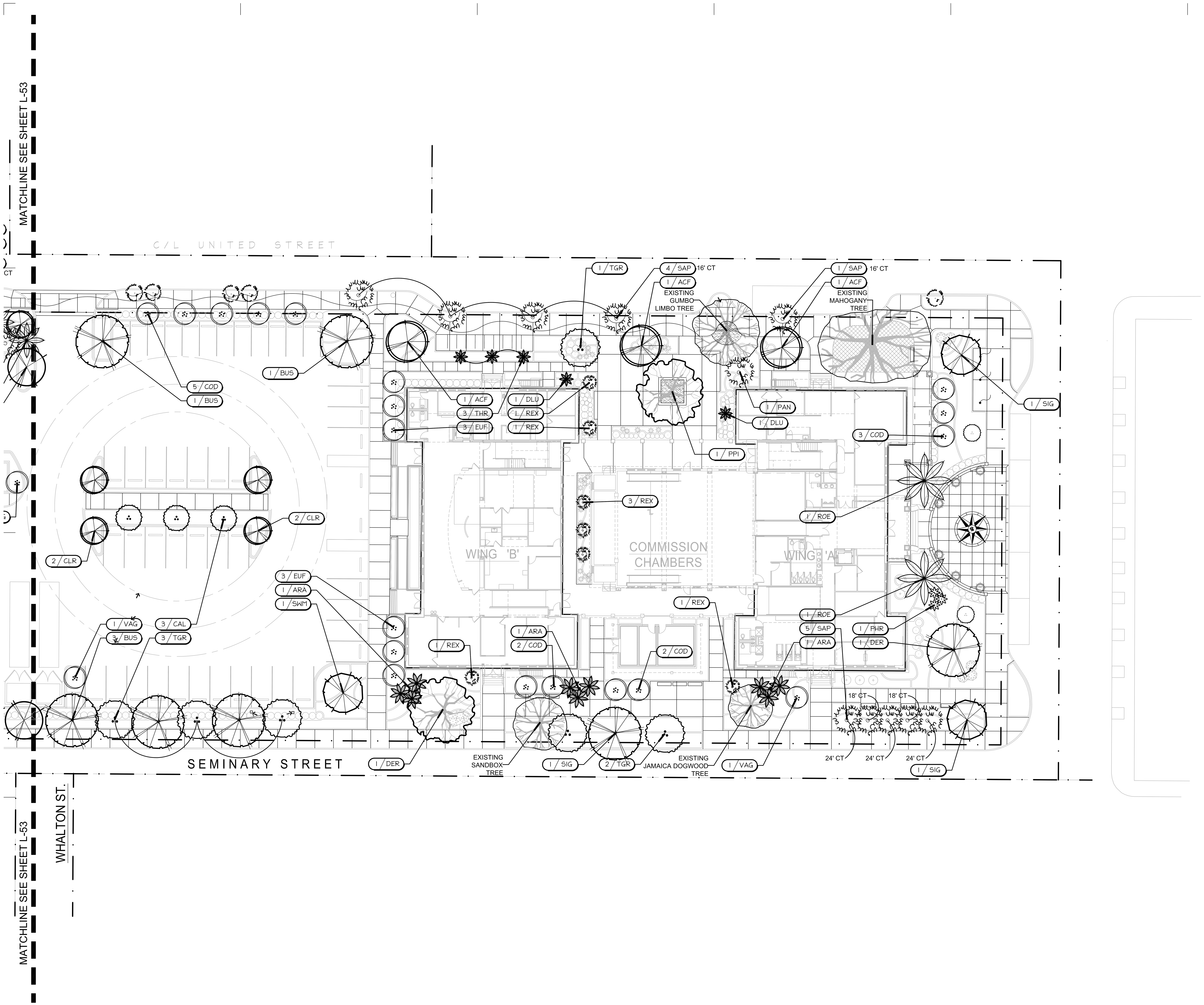
Bender & Associates ARCHITECTS p.a.

Project No 1305

LANDSCAPE PLAN- CODE COMPLIANCE

Date: 03/28/14

L-51



1 LANDSCAPE PLAN-TREES
L-52 SCALE: 1"=20'-0"

TRUE NORTH
PROJECT NORTH

SHEET NOTES:

1. SEE PLANTING PLANS AND PLANT LIST FOR ALL PLANT SPECIFICATIONS.
2. ALL TREES SPECIFIED ON THIS PROJECT ARE OF DROUGHT TOLERANT SPECIES.
3. ROOT BARRIER CONTROL TO BE PROVIDED FOR ALL CANOPY TREES LOCATED WITHIN LANDSCAPE ISLANDS AND ALL CANOPY TREES LOCATED WITHIN 5'-0" OF ALL HARDSCAPE FLATWORK.

DEEPROOT ROOT BARRIER SYSTEM
MODEL: UB 36-2
www.deeproot.com

*OR APPROVED EQUAL

SYMBOLS LEGEND

2 / QVI — PLANT SYMBOL; PLANT QUANTITY

DECOMPOSED OYSTER SHELL MULCH

3" DEPTH PINE BARK MINI-NUGGET MULCH

FINAL TREE COMMISSION SUBMITTAL

REVISIONS:
1. 01/28/2014 REVISED PER DRC REVIEW

KEY WEST CITY HALL AT GLYNN ARCHER

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CITY OF KEY WEST

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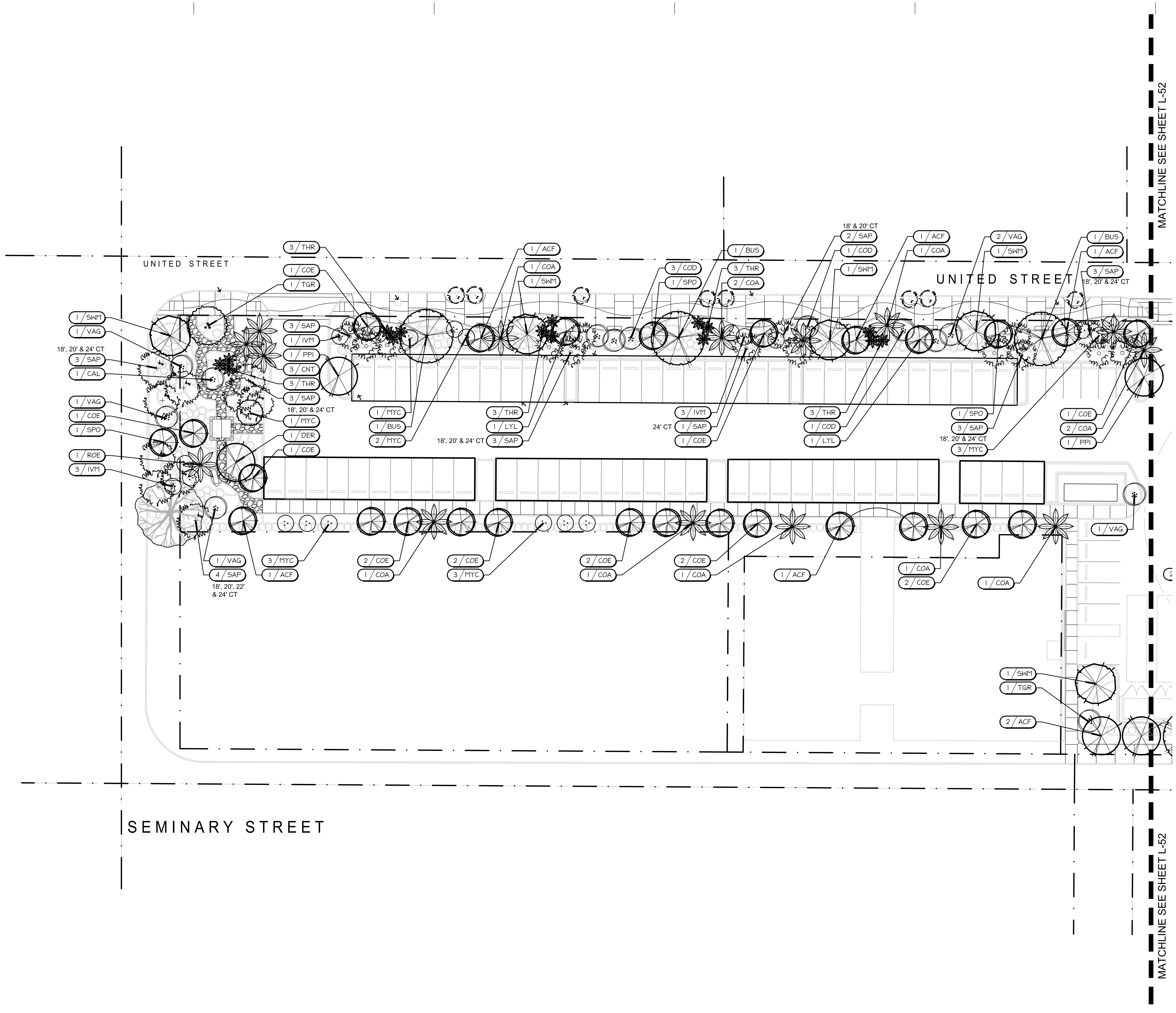
Bender & Associates ARCHITECTS p.a.

Project No. 1305

SITE LANDSCAPE PLAN- TREES

Date: 03/28/14

L-52



1 LANDSCAPE PLAN-TREES
L-53 SCALE: 1"=20'-0"

SHEET NOTES:

1. SEE PLANTING PLANS AND PLANT LIST FOR ALL PLANT SPECIFICATIONS.
2. ALL TREES SPECIFIED ON THIS PROJECT ARE OF DROUGHT TOLERANT SPECIES.
3. ROOT BARRIER CONTROL TO BE PROVIDED FOR ALL CANOPY TREES LOCATED WITHIN LANDSCAPE ISLANDS AND ALL CANOPY TREES LOCATED WITHIN 5'-0" OF ALL HARDSCAPE FLATWORK.

DEEPROOT ROOT BARRIER SYSTEM
MODEL: UB 36-2
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DECOMPOSED OYSTER SHELL MULCH

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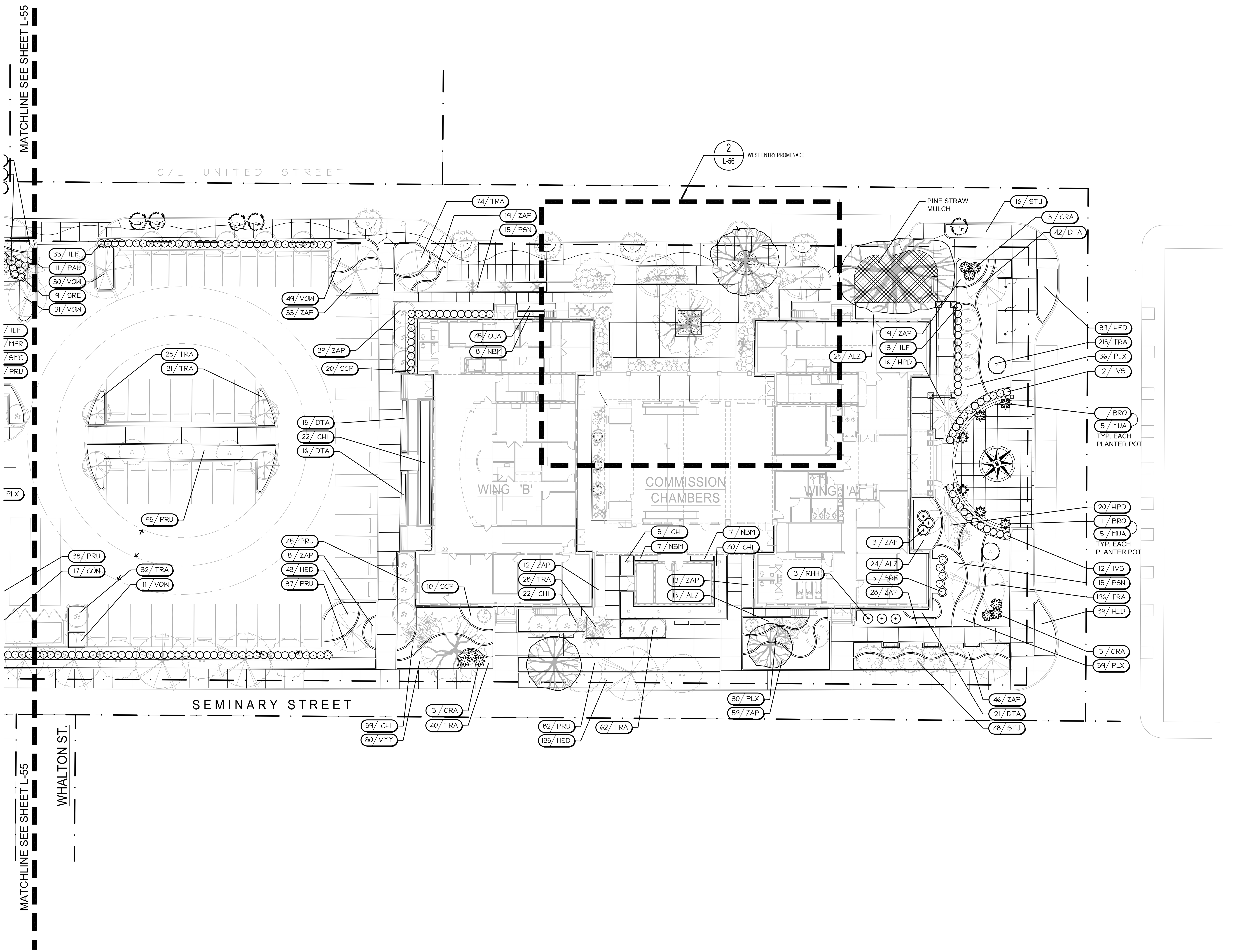
Project No 1305

LANDSCAPE PLAN- TREES

Date: 03/28/14

L-53



1 / L-54 LANDSCAPE PLAN-SHRUBS
SCALE: 1"=20'-0"

TRUE NORTH
PROJECT NORTH

SHEET NOTES:

1. SEE PLANT LIST FOR ALL PLANT SPECIFICATIONS.

SYMBOLS LEGEND

2/QVI — PLANT SYMBOL; PLANT QUANTITY

DECOMPOSED OYSTER SHELL MULCH

3" DEPTH PINE BARK MINI-NUGGET MULCH

FINAL TREE COMMISSION SUBMITTAL

REVISIONS:
1. 01/28/2014 REVISED PER DRC REVIEW

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Nashville | Chattanooga | Decatur | Huntsville | Knoxville | Orlando | Phoenix | Tri-Cities
LEA PROJ. # 20140251
Florida Licensure:
Littlejohn Engineering Associates: 28050
Leonard E. Arnold, Jr., PE: 55241
Bruce C. Hall, RLA: LA0001367

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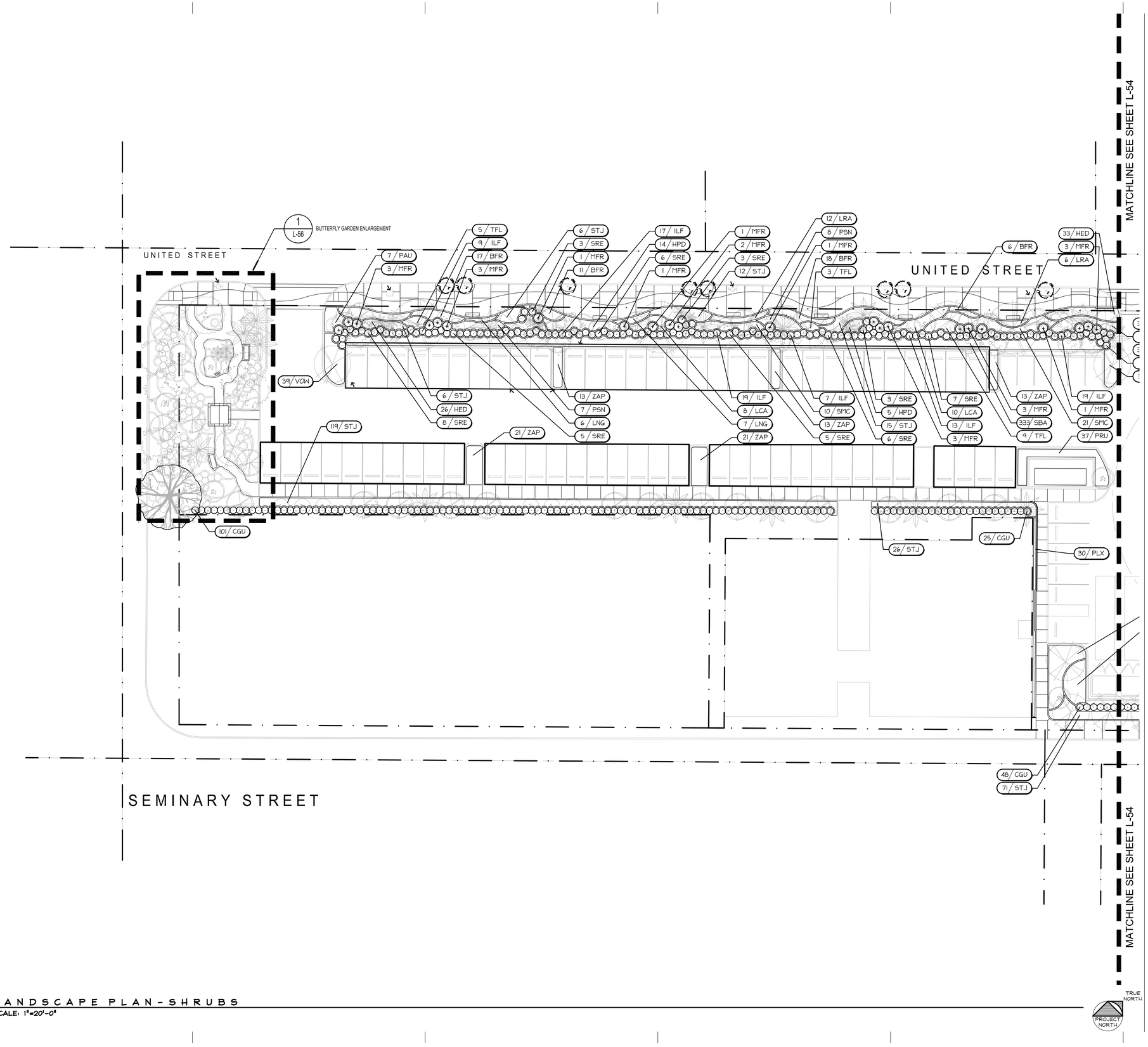
Bender & Associates ARCHITECTS p.a.

Project Nº: 1305
SITE LANDSCAPE PLAN- SHRUBS
Date: 03/28/14

L-54



1 L-55 LANDSCAPE PLAN - SHRUBS
SCALE: 1"=20'-0"

SHEET NOTES:

1. SEE PLANT LIST FOR ALL PLANT SPECIFICATIONS.

SYMBOLS LEGEND

2 / QVI
PLANT SYMBOL
PLANT QUANTITY

DECOMPOSED OYSTER SHELL MULCH

3" DEPTH PINE BARK MINI-NUGGET MULCH

FINAL TREE COMMISSION SUBMITTAL

REVISIONS:
1. 01/28/2014 REVISED PER DRC REVIEW

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Project №: 1305

LANDSCAPE PLAN- SHRUBS

Date: 03/28/14

L-55

SHEET NOTES:

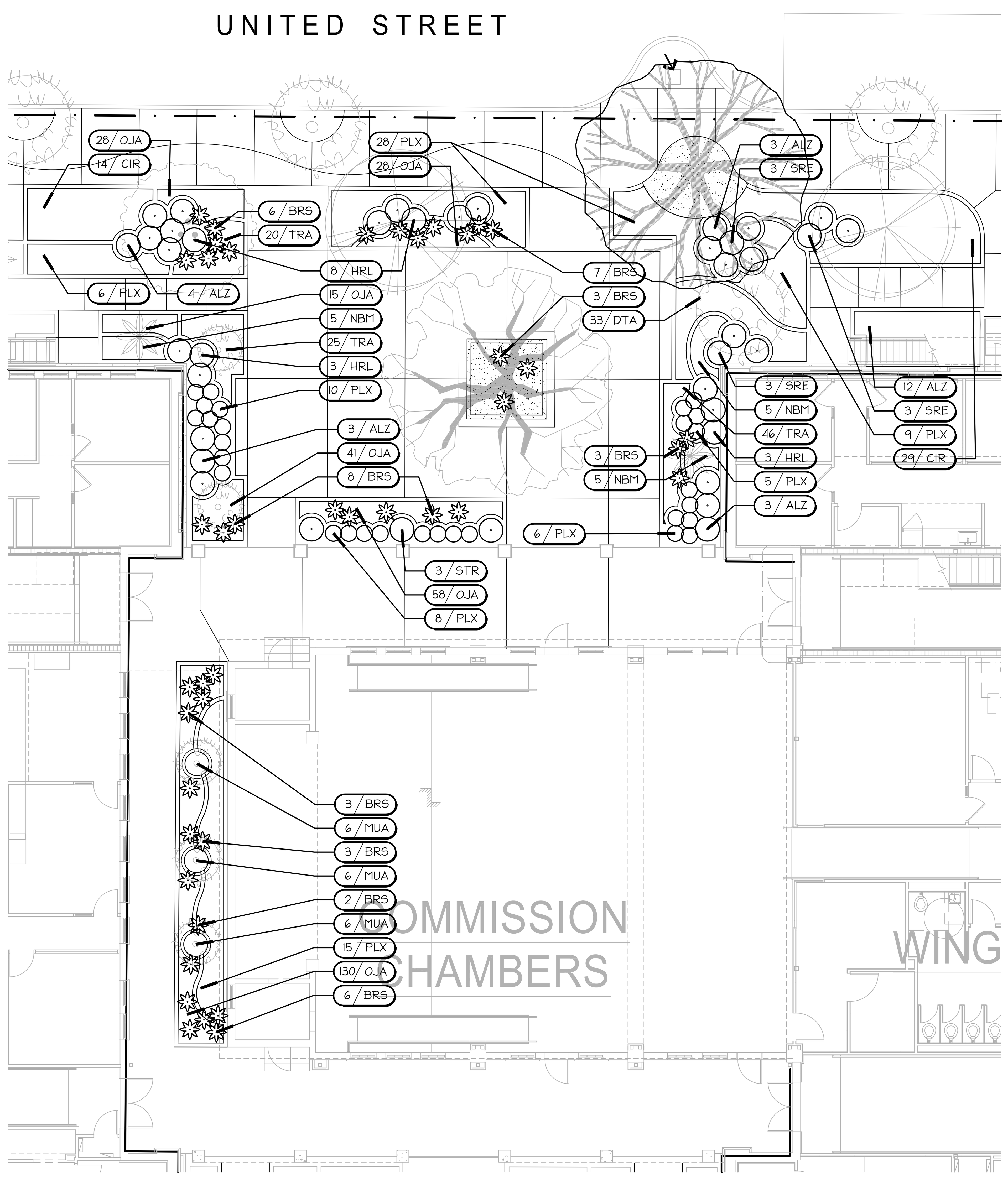
1. SEE PLANT LIST AND NOTES FOR ALL PLANT SPECIFICATIONS.

SYMBOLS LEGEND

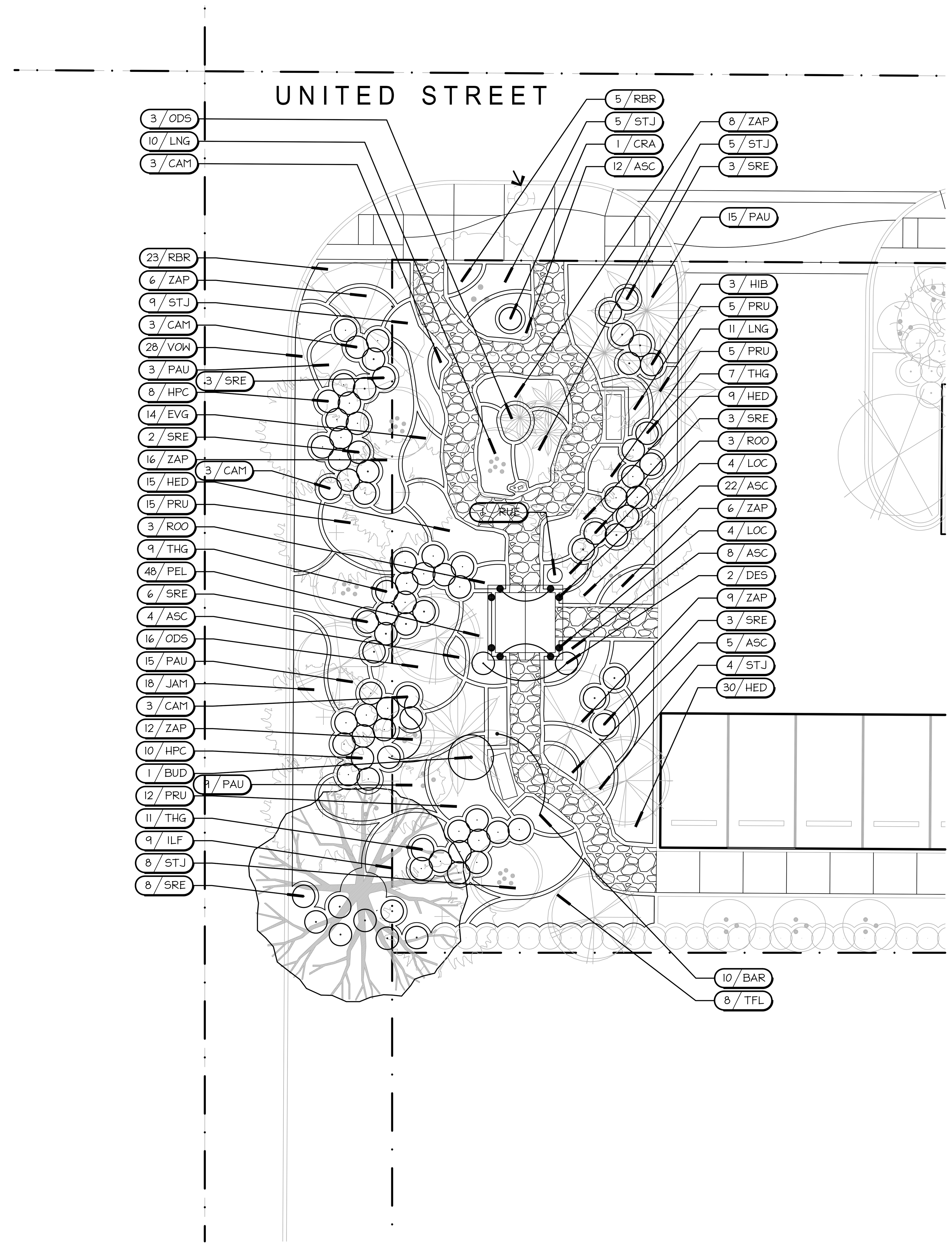
2 / QVI — PLANT SYMBOL; PLANT QUANTITY

DECOMPOSED OYSTER SHELL MULCH

3" DEPTH PINE BARK MINI-NUGGET MULCH



2 L-56 LANDSCAPE PLAN- WEST ENTRY PROMENADE ENLARGEMENT
SCALE: 1"=10'-0"



1 L-56 LANDSCAPE PLAN- BUTTERFLY GARDEN ENLARGEMENT
SCALE: 1"=10'-0"

FINAL TREE COMMISSION SUBMITTAL

REVISIONS:
1. 01/28/2014 REVISED PER DRC REVIEW

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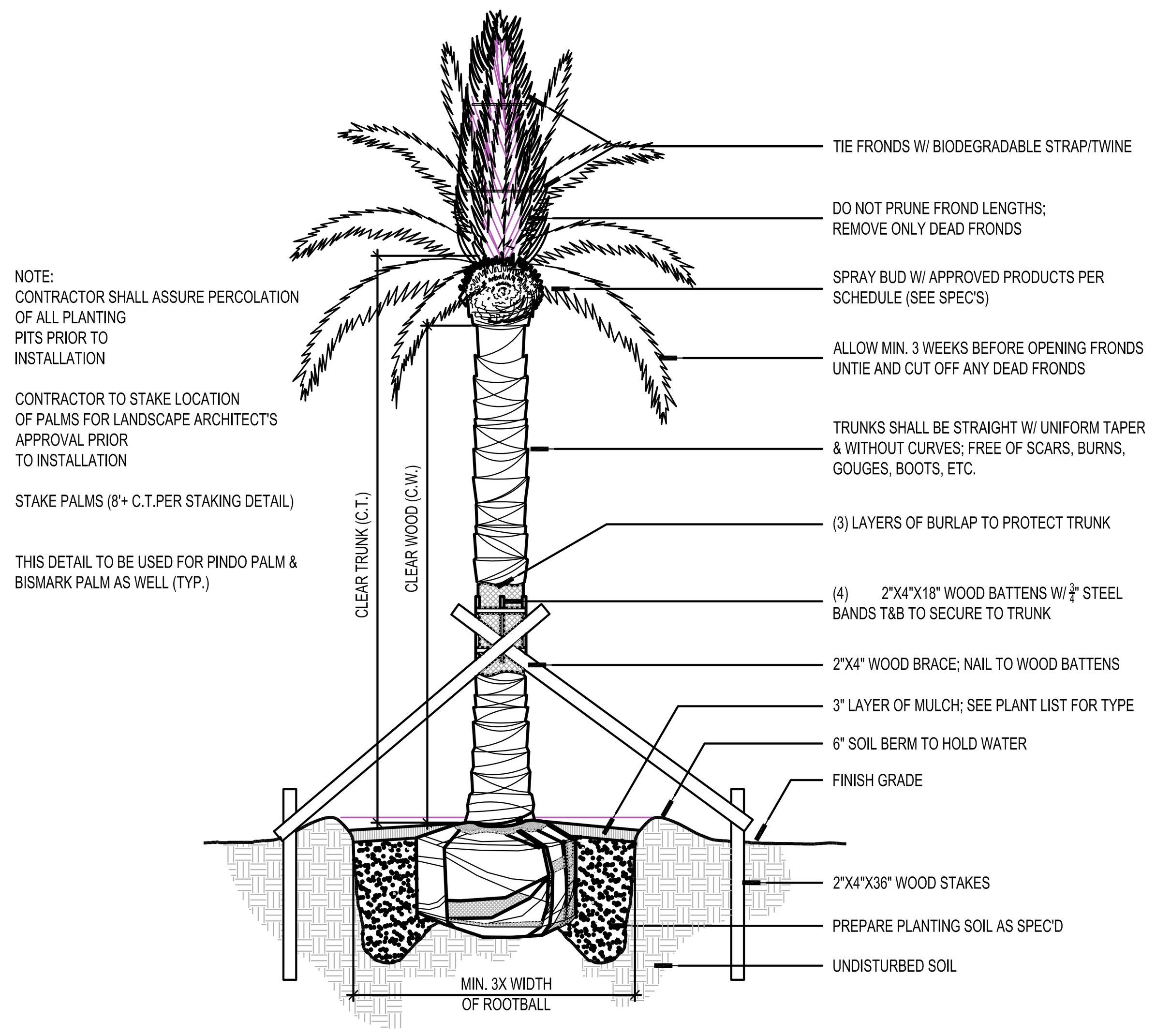
Project No 1305

LANDSCAPE PLAN ENLARGEMENTS

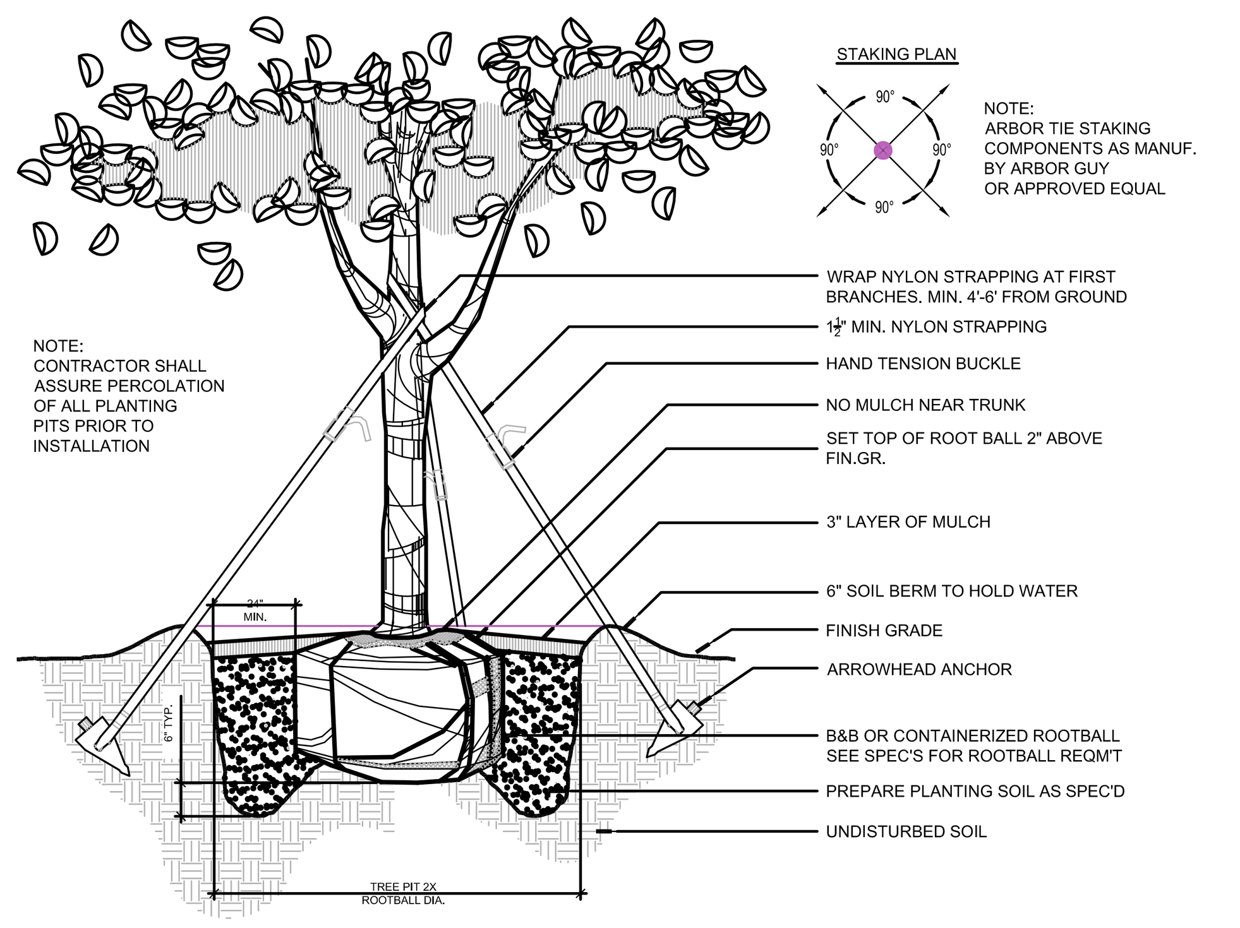
Date: 03/28/14

L-56



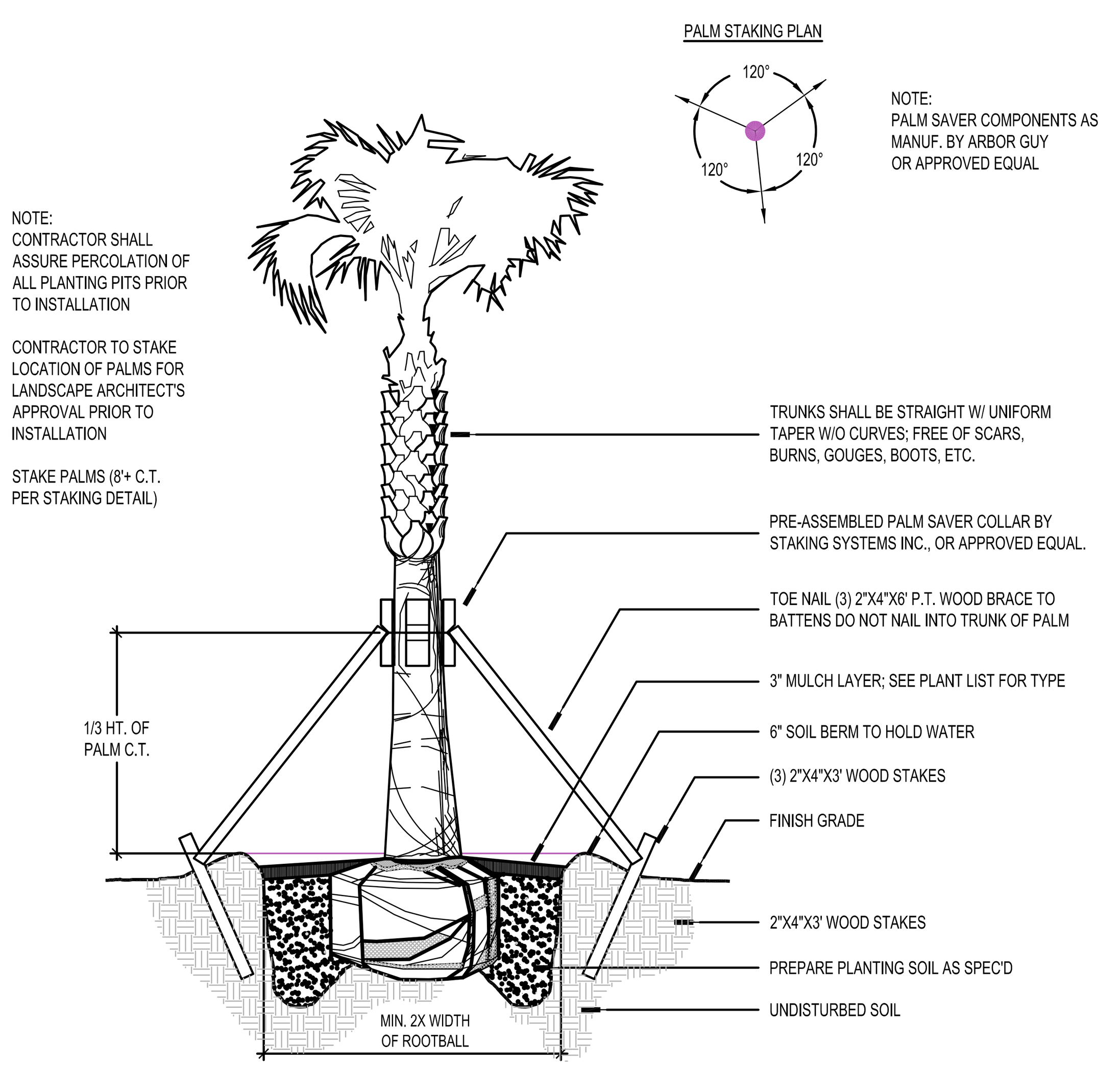
SPECIMEN PLANTING DETAIL | 7

SCALE: N.T.S. | 1-L60



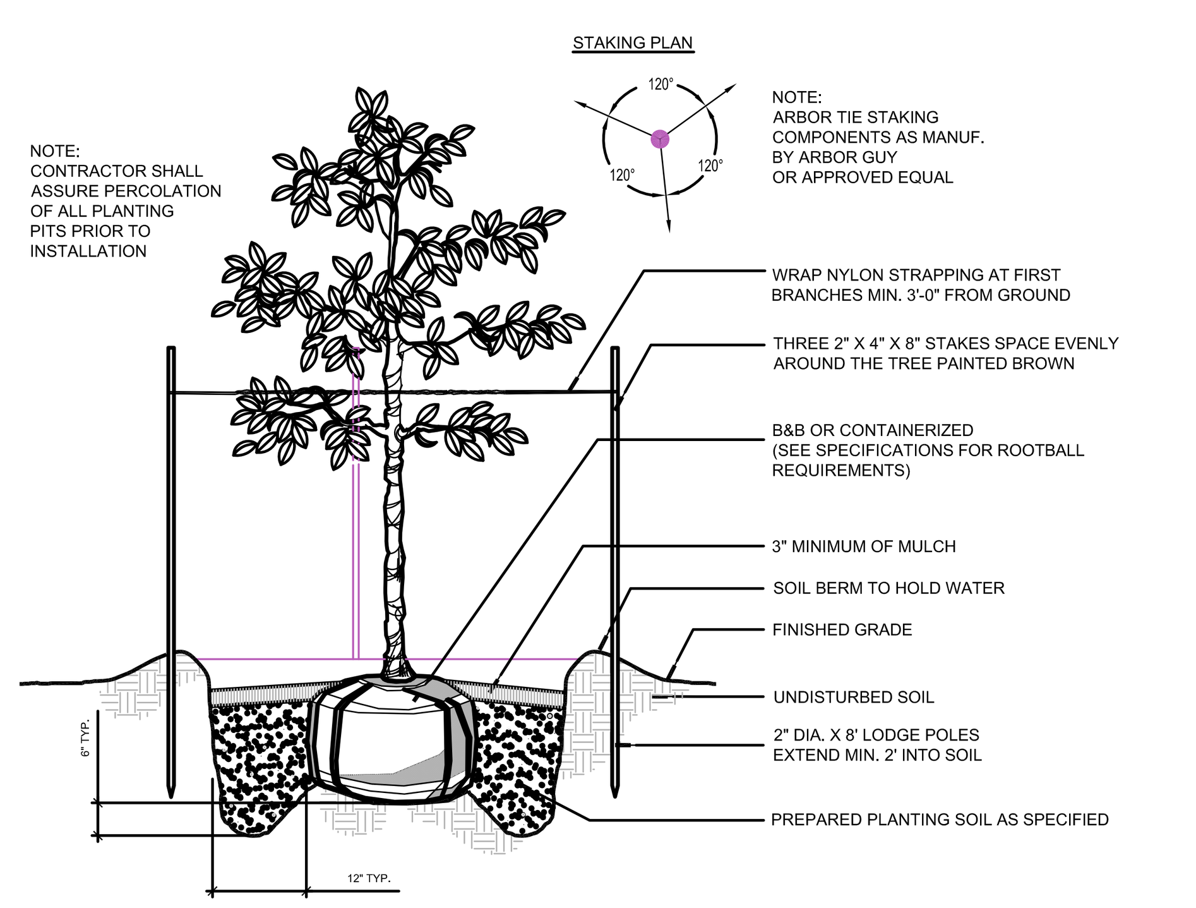
LARGE CANOPY PLANTING DETAIL | 4

SCALE: N.T.S. | 1-L60



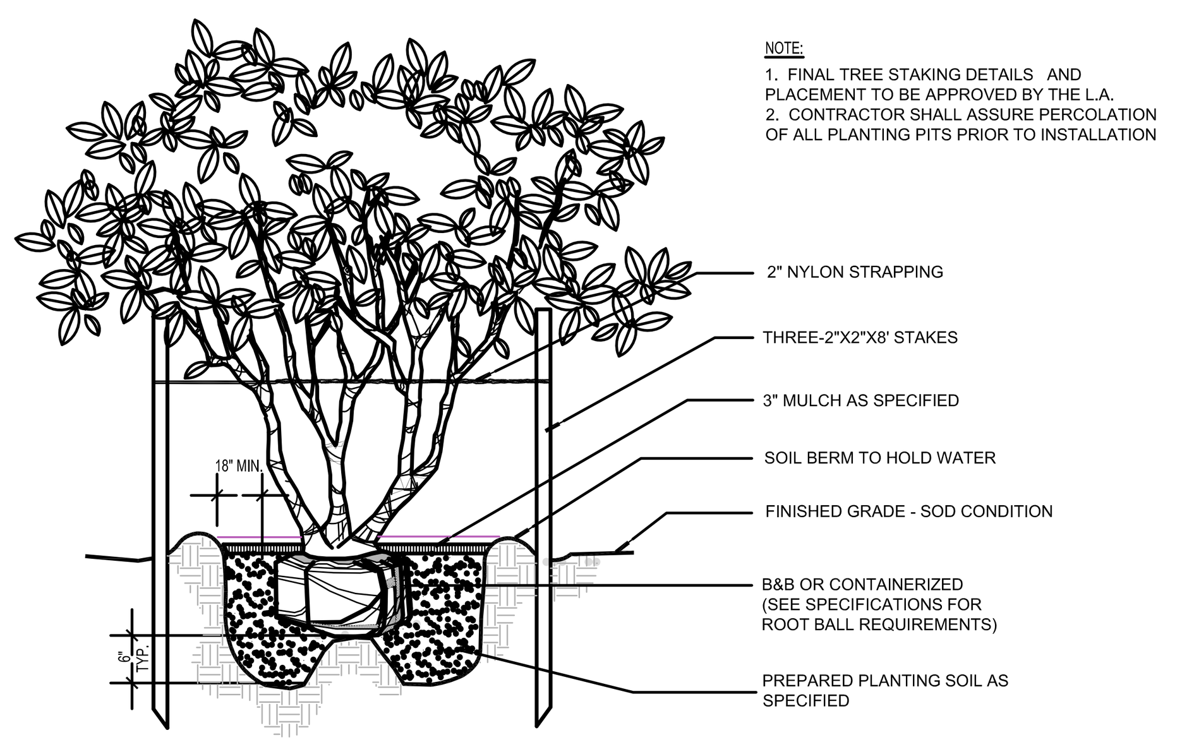
SABAL PALM PLANTING DETAIL | 6

SCALE: N.T.S. | 1-L60



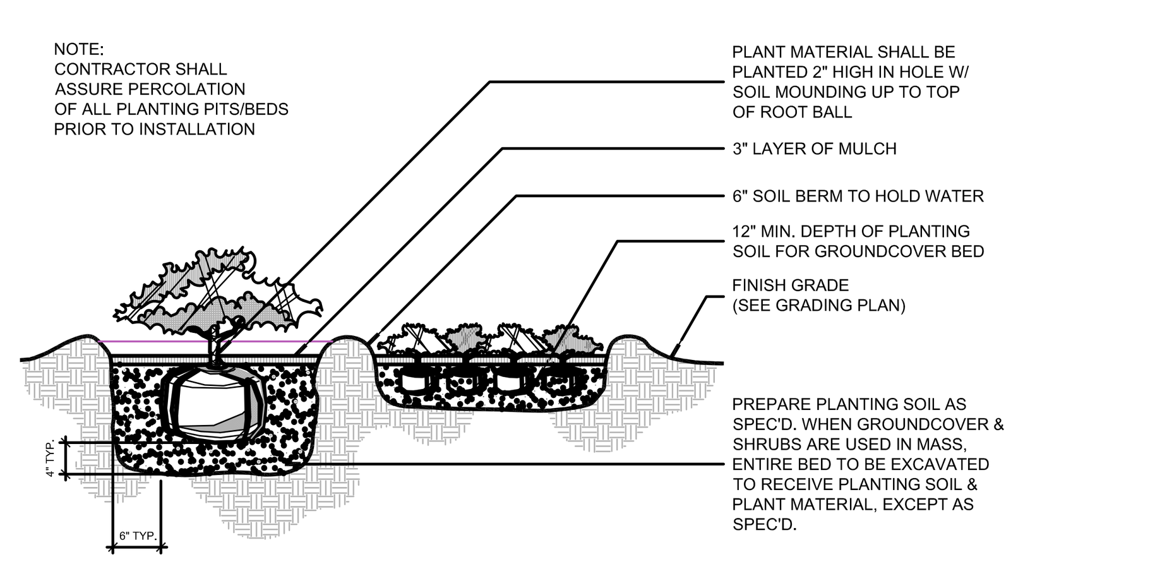
SMALL CANOPY TREE PLANTING DETAIL | 3

SCALE: N.T.S. | 1-L60



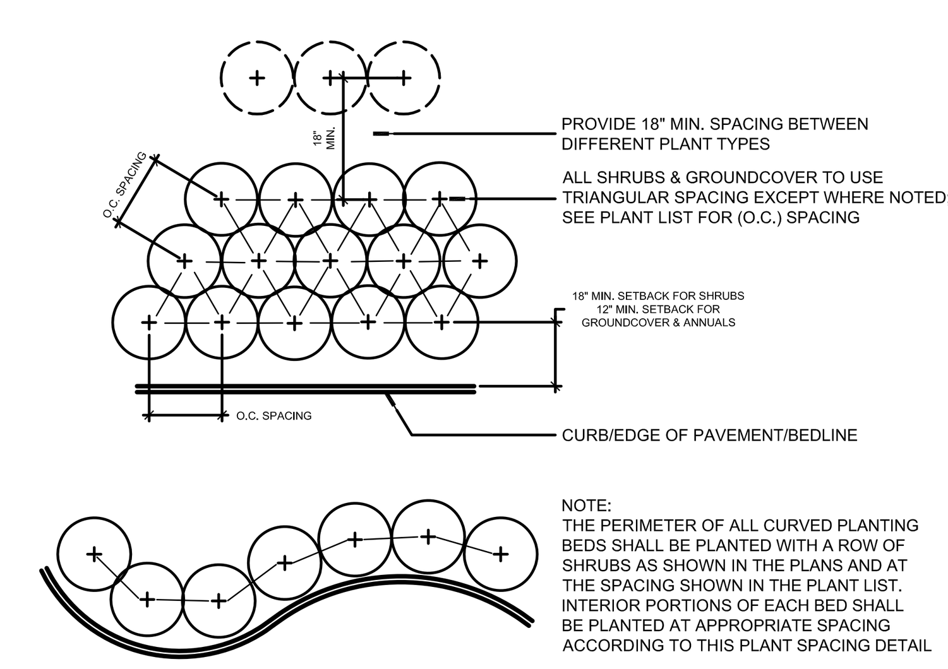
MULTI-TRUNK TREE PLANTING DETAIL | 5

SCALE: N.T.S. | 1-L60



SHRUB & GROUNDCOVER PLANTING DETAIL | 2

SCALE: N.T.S. | 1-L60



SHRUB & GROUNDCOVER SPACING DETAIL | 1

SCALE: N.T.S. | 1-L60

PLANT PALETTE

Zone	Symbol	Botanical Name	Common Name	Specification
Butterfly Garden	ACH	Acalypha hispida	Chenille Plant	3 Gal., Full in Pot, 48" O.C.
	ASC	Asclepias species	Milkweed	1 Gal., Full in Pot, 18" O.C.
	BAR	Barleria Repens	Coral Creeper	3 Gal., Full in Pot, 24" O.C.
	BUD	Buddleia davidii	Butterfly Bush	5'-7' Ht. X 4'-5' Sprd., Full, 3'-4' C.T.
	CAL	Callistemon citrinus	Red Bottlebrush	45 Gal., 6'-8' Ht. X 4'-5' Sprd.
	CAM	Callicarpa americana	American Beauty Berry	7 Gal., 3-4 Stem, Full in Pot
	CNT	Cocos nucifera	Coconut Palm	Transplant
	COE	Conocarpus erectus var. sericeus	Silver Buttonwood	25 Gal., 8'-10' Ht., 4' C.T., Min.
	CRA	Crinum asiaticum	Crinum Lily	15 Gal., Specimen
	DES	Duranta erecta	Golden Dewdrop	7 Gal., Standard Form
	DER	Delonix regia	Royal Poinciana	15'-16' Ht., Specimen
	EVG	Evolvus glomeratus	Blue Daze	1 Gal., Full in Pot, 18" O.C.
	HED	Helianthis debilis	Beach Sunflower	1 Gal., Full in Pot, 24" O.C.
	HIB	Hibiscus 'Brilliant'	Hibiscus	7 Gal., 28"-30" Ht. X 24" Sprd., Full
	HPC	Hamelia patens 'Compacta'	Firebush	3 Gal., 18"-24" Ht. X 15"-18" Sprd., 36" O.C.
	ILF	Illicium floridanum	Florida Anise	3 Gal., 24"-28" Ht. X 20"-24" Sprd., 36" O.C.
	IVM	Ilex vomitoria	Yaupon Holly	30 Gal., 6'-7' Ht. X 4'-5' Sprd., Multi.
	JAM	Jasminium multiflorum	Downy Jasmine	3 Gal., Full in Pot, 48" O.C.
	JAS	Jatropha integerrima	Jatropha	25 Gal., 6'-7' Ht.
	LNG	Lantana 'New Gold'	Gold Mound Lantana	1 Gal., Full in Pot, 24" O.C.
	LOC	Lonicera ciliosa	Orange Honeysuckle	3 Gal., 5-6 Runners, On Trellis
	MYC	Myrica cerifera	Wax Myrtle	15 Gal., 5'-6' Ht. X 3'-4' Sprd., 3-4 Canes, Min.
	ODS	Odontonema strictum	Red Firespike	3 Gal., Full in Pot, 30" O.C.
	PAU	Plumbago auriculata	Blue Plumbago	3 Gal., Full in Pot, 36" O.C.
	PEL	Pentas lanceolata	Pentas	1 Gal., Full in Pot, 12" O.C.
	PRU	Pennisetum setaceum 'Rubrum'	Red Fountain Grass	3 Gal., Full in Pot, 30" O.C.
	RBR	Ruellia brittonia	Mexican Bluebells	1 Gal., Full in Pot, 18" O.C.
	ROE	Roystonea elata	Florida Royal Palm	22' G.W., Specimen, Matched
	ROO	Rosmarinus officinaus	Rosemary	1 Gal., Full in Pot, 24" O.C.
	RUE	Russelia equisetiformis	Firecracker	1 Gal., Full in Pot, 18" O.C.
	SAP	Sabal palmetto	Sabal Palm	See Plan for C.T.s
	SPO	Senna polyphylla	Desert Cassia	25 Gal., 5'-6' Ht. X 3'-4' Sprd.
	SRE	Serenoa repens 'Silver-form'	Saw Palmetto	7 Gal., 28"-30" Ht. X 24"-28" Sprd.
	STJ	Stachytarphepa jamaicensis	Porter Weed	3 Gal., Full in Pot, 36" O.C.
	SWM	Swietenia mahogani	Mahogany	45 Gal., 3" DBH, 12'-14' Ht. X 7'-8' Sprd., Min.
	THG	Thryallis glauca	Thryallis	3 Gal., 24"-28" Ht. X 20"-24" Sprd., 48" O.C.
	THR	Thrinax radiata	Florida Thatch Palm	12'-14' Ht., O.A., F.G.
	TFL	Tripsacum floridanum	Florida Gama Grass	3 Gal., Full in Pot, 30" O.C.
	VAG	Vitex agnus-castus	Vitex Chaste Tree	30 Gal., 6'-7' Ht. X 4'-5' Sprd., Multi.
	VOW	Viburnum obovatum 'Whorled Class'	Whorled Class Viburnum	7 Gal., 24"-28" Ht. X 20"-24" Sprd., 36" O.C.
	ZAP	Zamia pumila	Coontie Palm	3 Gal., Full in Pot, 30" O.C.
Common Areas & Bufferyards	Trees/Palms			
	ACF	Acacia farnesiana	Sweet Acacia	3" DBH, 12'-14' Ht. X 5'-6' Sprd., Min.
	ARA	Archontophoenix alexandrae	areca Palm	10'-12' O.A. Ht., Triple Trunk
	BUS	Bursera simaruba	Gumbo Limbo	3" DBH, 12'-14' Ht. X 6'-7' Sprd.
	CAL	Callistemon citrinus	Red Bottlebrush	45 Gal., 6'-8' Ht. X 4'-5' Sprd.
	CLR	Clusia Rosea	Pitch Apple	3" DBH, 12'-14' Ht. X 5'-6' Sprd.
	COA	Coccothrinax argentata	Florida Silver Palm	5'-6' O.A. Ht.
	COD	Coccoloba diversifolia	Pigeon Plum	3" DBH, 12'-14' Ht. X 7'-8' Sprd.
	COE	Conocarpus erectus var. sericeus	Silver Buttonwood	3" DBH, 12'-14' Ht., 5' C.T., Min.
	DER	Delonix regia	Royal Poinciana	15'-16' Ht., Specimen
	DLU	Dypsis lutescens	Areca Palm	8'-10' Ht., 5-6 Trunks, Minimum
	EUF	Eugenia foetida	Spanish Stopper	15 Gal., 5'-6' Ht., Matched
	IVM	Ilex vomitoria	Yaupon Holly	15 Gal., 6'-8' Ht. X 3'-4' Sprd., 3 Trunks, Min.
	LYL	Lysiloma latisiliquum	Wild Tamarind	3" DBH, 12'-14' Ht. X 5'-6' Sprd., Min.
	PAN	Pandanus utilis	Screwpine	7'-8' O.A. Ht., Specimen
	PHR	Phoenix roebelenii	Pygmy Date Palm	5'-6' Ht., 3 Trunks, Specimen
	PPI	PIscidia piscipula	Jamaica Dogwood	3" DBH, 12'-14' Ht. X 5'-6' Sprd., Min.
	REX	Rhapis excelsa	Lady Palm	15 Gal., 7-8 Trunks, Minimum
	ROE	Roystonea elata	Florida Royal Palm	22' G.W., Specimen, Matched
	SAP	Sabal Palmetto	Sabal Palm	C.T. Hts Vary, See Plan
	SIG	Simarouba glauca	Paradise Tree	3" DBH, 12'-14' Ht. X 5'-6' Sprd., Min.
	SPO	Senna polyphylla	Desert Cassia	3" DBH, 12'-14' Ht. X 5'-6' Sprd., Min.
	SWM	Swietenia mahogani	Mahogany	3" DBH, 12'-14' Ht. X 7'-8' Sprd., Min.
	TGR	Tibouchina granulosa	Tibouchina Tree	30 Gal., 6'-7' O.A.
	THR	Thrinax radiata	Florida Thatch Palm	12'-14' Ht., O.A., F.G.
	VAG	Vitex agnus-castus	Vitex Chaste Tree	30 Gal., 6'-7' Ht. X 4'-5' Sprd., Multi.
	Shrubs/Groundcover			
	ALZ	Alpinia zerumbet 'Variegata'Y	Variegated Ginger	3 Gal., Full in Pot, 36" O.C.
	BFR	Borrichia frutescens	Sea Ox Eye	1 Gal., Full in Pot, 24" O.C.
	BRO	Alcantarea imperialis	Imperial Bromeliad	15"-18" Ht., Specimen, To Be Selected by LA
	BRS	Neoregelia chile verde	Chile Verde Bromeliad	8" Pot
	CAM	Callicarpa americana	American Beauty Berry	7 Gal., 3-4 Stem, Full in Pot
	CGU	Clusia guttifera	Small Leaf Clusia	7 Gal., 36" Ht., 36" O.C.
	CHI	Chrysobalanus icaco 'Red Tip'	Cocoplum	3 Gal., 20"-24" Ht., Full, 30" O.C.
	CON	Conocarpus erectus	Silver Buttonwood	7 Gal., 36" Ht., 36" O.C.
	CRA	Crinum asiaticum	Crinum Lily	15 Gal., Specimen
	DTA	Dianella tasmanica	Blueberry Flax	1 Gal., Full in Pot, 18" O.C.
	ERH	Erythrina herbacea	Coral Bean	7 Gal., 28"-30" Ht. X 24"-28" Sprd.
	HED	Helianthis debilis	Dune Sunflower	1 Gal., Full in Pot, 18" O.C.
	HPD	Hamelia patens Dwarf	Dwf. Firebush	7 Gal., 36" Ht., 36" O.C.
	HRL	Heliconia rostrata 'Lobster Claw'	Heliconia	3 Gal., Full in Pot, 36" O.C.
	ILF	Illicium floridanum	Florida Anise	36" Ht. X 24"-28" Sprd., Min.
	IVS	Ilex vomitoria 'Schellings'	Dwf. Yaupon Holly	3 Gal., 18"-24" Ht., Full, 36" O.C.
	LCA	Lantana camara	Wild Lantana	3 Gal., 18"-24" Ht., Full, 36" O.C.
	LNG	Lantana 'New Gold'	Gold Mound Lantana	1 Gal., Full in Pot, 24" O.C.
	LRA	Lycoris radiata	Spider Lily	1 Gal., Full in Pot, 24" O.C.
	MFR	Myrcianthus fragrans	Simpson's Stopper	25 Gal., 6'-7' Ht. X 3'-4' Sprd., 3-5 Trunks
	MUA	Muehlenbeckia axillaris	Creeping Wire Vine	4" Pot
	NBM	Nephrolepis biserrata 'Macho'	Macho Fern	3 Gal., Full in Pot, 30" O.C.
	OJA	Ophiopogon japonicus	Mondo Grass	1 Gal., Full in Pot, 12" O.C.
	PAU	Plumbago auriculata	Blue Plumbago	3 Gal., Full in Pot, 36" O.C.
	PLX	Philodendron xanadu	Xanadu Philodendron	3 Gal., 15"-18" Ht., Full, 36" O.C.
	PRU	Pennisetum setaceum 'Rubrum'	Red Fountain Grass	3 Gal., Full in Pot, 30" O.C.
	PSN	Psychotria nervosa	Wild Coffee	3 Gal., 24"-28" Ht. X 20"-24" Sprd., 36" O.C.
	RHH	Rhapidiphyllum hystrix	Needle Palm	15 Gal., 30"-36" Ht., Full
	RUE	Russelia equisetiformis	Firecracker	1 Gal., Full in Pot, 18" O.C.
	SBA	Spartina bakeri	Sand Cordgrass	3 Gal., Full in Pot, 24" O.C.
	SCP	Scaevola plumieri	Inkberry	3 Gal., 18"-24" Ht., Full, 36" O.C.
	SMC	Senna mexicana chapmanii	Bahama Cassia	3 Gal., 15"-18" Ht., Full, 36" O.C.
	SRE	Serenoa repens 'Silver-form'	Saw Palmetto	7 Gal., 28"-30" Ht. X 24"-28" Sprd.
	STJ	Stachytarphepa jamaicensis	Porter Weed	3 Gal., Full in Pot, 36" O.C.
	TFL	Tripsacum floridanum	Florida Gama Grass	3 Gal., Full in Pot, 30" O.C.
	THG	Thryallis glauca	Thryallis	3 Gal., 24"-28" Ht. X 20"-24" Sprd., 48" O.C.
	TRA	Trachelospermum asiaticum	Asiatic Jasmine	1 Gal., 5-6 Runners per Pot, Min., 18" O.C.
	VMY	Vaccinium myrsinites	Shiny Blueberry	7 Gal., Full, 42" O.C.
	VOW	Viburnum obovatum 'Whorled Class'	Whorled Class Viburnum	7 Gal., 24"-28" Ht. X 20"-24" Sprd., 36" O.C.
	YUF	Yucca filamentosa	Adam's Needle	3 Gal., 28"-30" Ht., Full
	VMY	Vaccinium myrsinites	Shiny Blueberry	7 Gal., Full, 42" O.C.
	ZAF	Zamia furfuracea	Cardboard Palm	7 Gal., 24"-28" Ht. X 24"-28" Sprd.
	ZAP	Zamia pumila	Coontie Palm	3 Gal., Full in Pot, 36" O.C.

SHEET NOTES:

1. NEWLY INSTALLED "SHADE" TREES SHALL HAVE THEIR CALIPER MEASURED 6" ABOVE THE TOP OF THE ROOT BALL. ALL NEWLY INSTALLED "UNDERSTORY" TREES SHALL HAVE THEIR D.B.H. MEASURED 54" ABOVE THE TOP OF THE ROOT BALL.

2. ALL PLANT MATERIAL SHALL MEET OR EXCEED THE STANDARDS OF FLORIDA NO 1 AS GIVEN IN "GRADES AND STANDARDS FOR NURSERY PLANTS 1998," STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE, TALLAHASSEE, AND ANY AMENDMENTS THERETO.

3. THE LANDSCAPE ARCHITECT OR OWNER MAY REJECT ANY PLANT MATERIAL BROUGHT TO THE SITE WHICH HE DEEMS TO BE OF INFERIOR QUALITY OR APPEARANCE.

4. ALL PLANT BEDS SHALL BE TOP DRESSED WITH A MINIMUM OF 3" DEPTH PINE BARK MULCH OR MULCH AS SPECIFIED ON PLAN. MAINTAIN A 4" CLEAR SPACE BETWEEN MULCH AND THE PLANT STEM.

5. ALL TREES SHALL HAVE ALL SYNTHETIC BURLAP REMOVED FROM THE ENTIRE ROOT BALL. JUTE BURLAP SHALL BE REMOVED FROM THE TOP ONE-THIRD OF THE ROOT BALL. THE TOP THREE ROWS OF SQUARES ON ALL CAGES AROUND THE ROOT BALLS SHALL BE CLIPPED OFF AND REMOVED.

6. THE CONTRACTOR SHALL READ AND ADHERE TO ALL WRITTEN SPECIFICATIONS. THESE DOCUMENTS ARE ACCOMPANIED BY 8 1/2 X 11 SPECIFICATIONS.

7. THE CONTRACTOR SHALL VISUALLY INSPECT THE SOILS CONDITION OF THE SITE. HE SHALL DIG A MINIMUM OF 12 TEST HOLES 3 FOOT DEEP RANDOMLY AROUND THE SITE. HE SHALL PERFORM PERCOLATION TESTS IN THESE HOLES FOR A PERIOD OF ONE HOUR EACH. THE HOLES SHALL BE FILLED WITH WATER AND IF THE HOLES HOLD MORE THAN 6" OF WATER AFTER ONE HOUR, THE LANDSCAPE ARCHITECT SHOULD BE NOTIFIED OF THE PROBLEM. THE CONTRACTOR SHALL RECOMMEND SUBSTITUTIONS OF PLANT MATERIAL AND PLANTING INSTALLATION TO ACCOMMODATE POOR DRAINING SOILS.

8. THE CONTRACTOR SHALL PROVIDE A SOIL TEST IN FOUR LOCATIONS AND PROVIDE RECOMMENDATIONS FOR AMENDMENTS BASED ON THE RESULTS. IMPROPER SOIL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL RECTIFY ALL INCURRED DAMAGES AT NO ADDITIONAL COST TO THE OWNER.

9. THE CONTRACTOR SHALL REVIEW THE SOILS REPORT ON FILE WITH THE OWNER.

10. THE INSTALLATION OF PLANT MATERIAL SHALL BE VIEWED AS ACCEPTANCE BY THE CONTRACTOR OF EXISTING GRADES AS GIVEN TO HIM. THE CONTRACTOR SHALL PROVIDE TO THE LANDSCAPE ARCHITECT A WRITTEN LETTER OF ACCEPTABILITY OF GRADES. FAILURE TO DO SO WILL BE VIEWED AS AN ACCEPTANCE OF EXISTING GRADES BY THE CONTRACTOR.

11. THE CONTRACTOR SHALL BERM ALL PARKING LOT ISLANDS 12" ABOVE TOP OF CURB ELEVATION WITHOUT EXCEEDING A 4:1 SLOPE (TYPICAL).

WHERE LIGHT POLES AND TREES BOTH OCCUR IN A PARKING LOT ISLANDS, THE TREE SHALL BE SPACED AN ADEQUATE DISTANCE FROM THE POLE.

12. THE CONTRACTOR WILL BE REQUIRED TO SAND AREAS OF SOD THAT ARE NOT SMOOTHLY APPLIED TO ELIMINATE SMALL IRREGULARITIES IN GRADES. LARGE IRREGULARITIES IN GRADE WILL REQUIRE REGRADING & RESODDING.

13. THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF THE SITE INCLUDING ALL MOWING, EDGING, TRIMMING, PRUNING & SPRAYING OF PESTICIDES & FUNGICIDES UNTIL THE TIME OF FINAL ACCEPTANCE BY THE OWNER.

14. THE CONTRACTOR SHALL REVIEW THE CIVIL ENGINEER'S UNDER-DRAIN PLAN TO AVOID CONFLICTS WHEN PLANTING ALL MATERIAL. REFER TO THE PLANTING DETAILS FOR SPECIFIC PLANTING DETAILS FOR TREES, SHRUBS & GROUNDCOVER. THE CONTRACTOR SHALL ADJUST THE IRRIGATION AS NECESSARY TO AVOID OVER WATERING OF PLANT MATERIAL DUE TO WET SITE CONDITIONS.

FINAL TREE COMMISSION SUBMITTAL

REVISIONS:
1. 01/28/2014 REVISED PER DRC REVIEW

KEY WEST CITY HALL AT GLYNN ARCHER

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CITY OF KEY WEST

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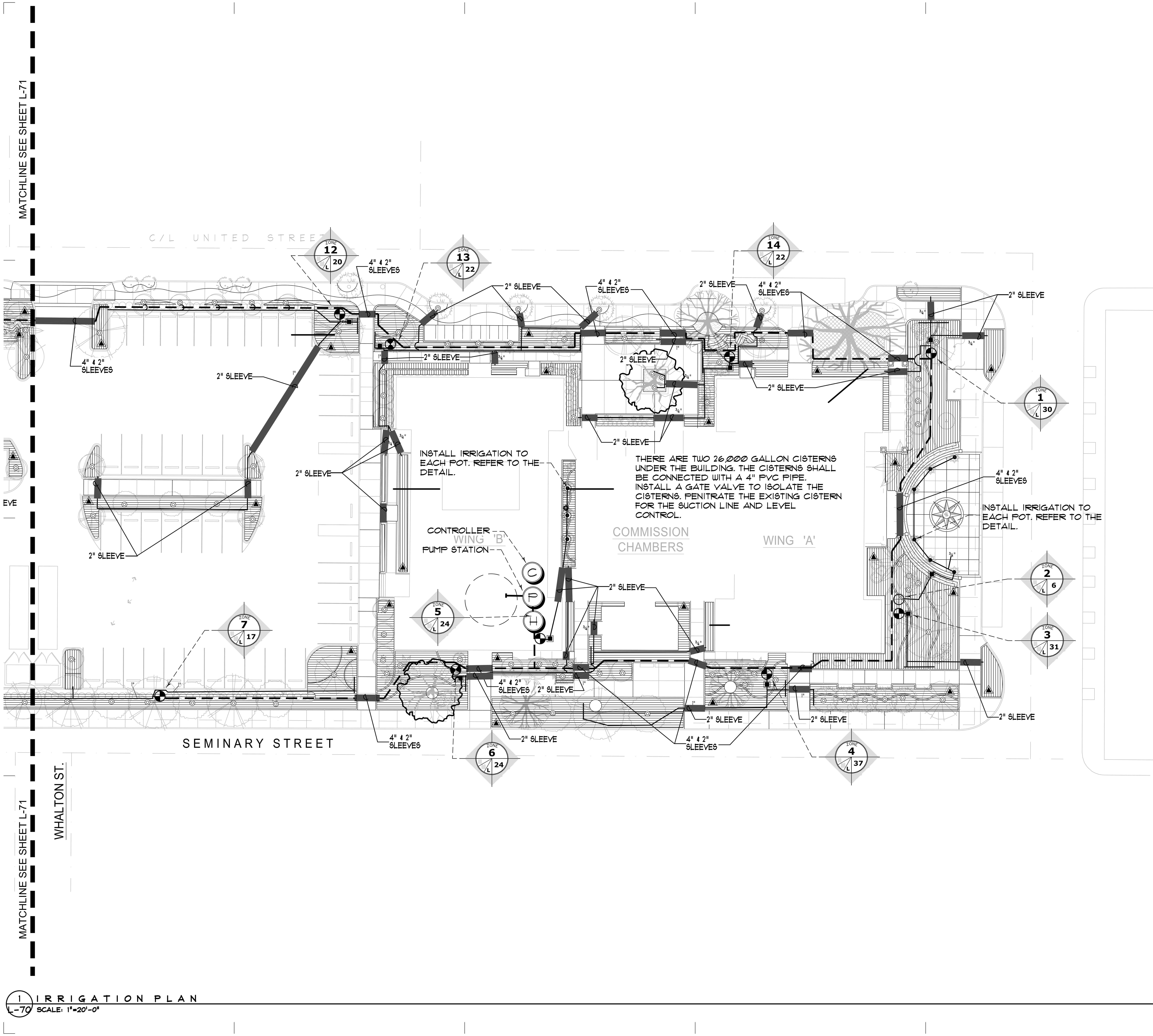
Bender & Associates ARCHITECTS p.a.

Project No. 1305
PLANT PALETTE & PLANTING DETAILS
Date: 03/28/14

L-60



1 IRRIGATION PLAN
L-70 SCALE: 1"=20'-0"

EXISTING TREE PROTECTION IRRIGATION NOTES:

1. EXERCISE CAUTION WHEN WORKING NEAR EXISTING TREES TO BE RETAINED. PLACE UNDERGROUND PIPING IN COMMON CORRIDORS WHENEVER POSSIBLE. AVOID PLACING UNDERGROUND UTILITIES WITHIN DRIP-LINE OF TREE AND WITHIN TREE PROTECTION BARRIERS. IN NO CASE SHALL TRENCHING OCCUR CLOSER THAN 10' FROM ANY TREE TRUNK PERIMETER.
2. TO THE GREATEST EXTEND POSSIBLE, UTILITY AND IRRIGATION LINES WITHIN THE DRIP-LINE SHALL BE TUNNELED RATHER THAN TRENCHED. DO NOT CUT ROOTS GREATER THAN 2" IN DIA. OPEN TRENCHING SHALL BE CLOSED AS SOON AS POSSIBLE, NOT LESS THAN 24 HOURS OF BEING OPENED, AND EXPOSED SOILS SHALL BE WATERED TO PREVENT FROM DRYING. ALL TRENCHES SHALL BE FILLED WITH CLEAN SOILS NATIVE TO THE SITE AND SHALL BE COMPACTED TO THE DENSITY OF THE SURROUNDING SOILS.
3. RETAIN THE EXISTING GRADE ELEVATION AROUND RETAINED TREES WITHIN THE DRIP-LINE± CONSTRUCT WALKWAYS ON TOP OF EXISTING GRADES WITHIN TREE DRIP-LINES WHENEVER POSSIBLE.

FINAL TREE COMMISSION SUBMITTAL

REVISIONS:

KEY WEST CITY HALL AT GLYNN ARCHER

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CITY OF KEY WEST

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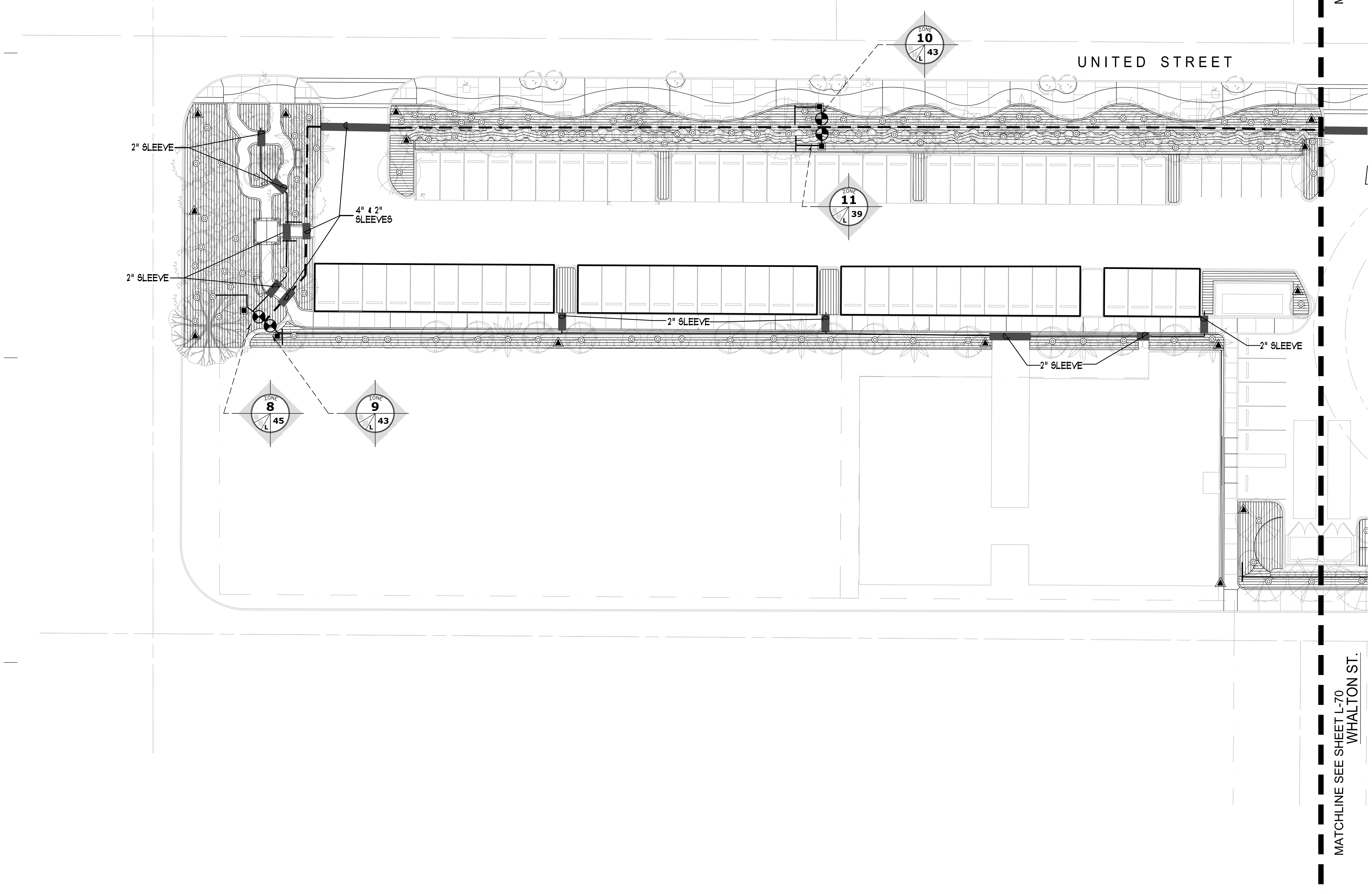
Project No. 1305
IRRIGATION PLAN
Date: 03/28/14

L-70



1 L-71 IRRIGATION PLAN
SCALE: 1"=20'-0"

TRUE NORTH
PROJECT NORTH

EXISTING TREE PROTECTION IRRIGATION NOTES:

1. EXERCISE CAUTION WHEN WORKING NEAR EXISTING TREES TO BE RETAINED. PLACE UNDERGROUND PIPING IN COMMON CORRIDORS WHENEVER POSSIBLE. AVOID PLACING UNDERGROUND UTILITIES WITHIN DRIP-LINE OF TREE AND WITHIN TREE PROTECTION BARRIERS. IN NO CASE SHALL TRENCHING OCCUR CLOSER THAN 10' FROM ANY TREE TRUNK PERIMETER.
2. TO THE GREATEST EXTEND POSSIBLE, UTILITY AND IRRIGATION LINES WITHIN THE DRIP-LINE SHALL BE TUNNELED RATHER THAN TRENCHED. DO NOT CUT ROOTS GREATER THAN 2" IN DIA. OPEN TRENCHING SHALL BE CLOSED AS SOON AS POSSIBLE, NOT LESS THAN 24 HOURS OF BEING OPENED, AND EXPOSED SOILS SHALL BE WATERED TO PREVENT FROM DRYING. ALL TRENCHES SHALL BE FILLED WITH CLEAN SOILS NATIVE TO THE SITE AND SHALL BE COMPACTED TO THE DENSITY OF THE SURROUNDING SOILS.
3. RETAIN THE EXISTING GRADE ELEVATION AROUND RETAINED TREES WITHIN THE DRIP-LINE: CONSTRUCT WALKWAYS ON TOP OF EXISTING GRADES WITHIN TREE DRIP-LINES WHENEVER POSSIBLE.

FINAL TREE COMMISSION SUBMITTAL

REVISIONS:

KEY WEST CITY HALL AT GLYNN ARCHER

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Project No. 1305
IRRIGATION PLAN
Date: 03/28/14

L-71

LEGEND

Symbol	Description
•	POT IRRIGATION-REFER TO DETAIL
◎	NETAFIM DRIP BUBBLER TREE RING- REFER TO DRIP BUBBLER DETAIL
▣	NETAFIM FLAG INDICATOR- REFER TO THE DETAIL
▲	NETAFIM FLUSH VALVE
(diagonal lines)	NETAFIM TECHLINE CV 17MM DRIP TUBING- 1 GPH EMITTERS EVERY 12". PLACE ROWS 12" APART IN ALL GROUND COVER BEDS. INSTALL A DOUBLE ROW ON ALL HEDGE ROWS. DRIP LINES ARE SHOWN PERPENDICULAR TO LANDSCAPE BEDS IN SOME AREAS FOR CLARITY PURPOSES ONLY. INSTALL DRIP TUBING ALONG THE LONGEST WIDTH OF THE PLANT BED. REFER TO ALL NOTES AND DETAILS ON THIS SHEET.
(solid line)	CLASS 200 PVC DRIP HEADER PIPE-REFER TO DETAIL
(dashed line)	CLASS 200 PVC MAINLINE-2 1/2"
(thin line)	CLASS 200 PVC LATERAL LINE- SIZE AS SHOWN UNTIL A SMALLER SIZE IS SHOWN. MINIMUM SIZE OF 3/4"
(grey band)	SCH. 40 SLEEVE (MINIMUM OF 24" DEPTH AND 2 SIZES LARGER THAN THE PIPE SIZE OR AS LABELED ON THE PLAN)
◕ / ⊕	HUNTER ICV ELECTRIC VALVE. 1 1/2" OR SIZE AS SHOWN BELOW. INSTALL VALVE IN AN 11"X17" VALVE BOX. 0-24 GPM=1" 25-55 GPM=1 1/2" 56 AND HIGHER GPM=2" HUNTER ZONE CONTROL KIT- REFER TO THE DETAIL.
Ⓒ	CONTROLLER-BASELINE 3200 PEDESTAL MOUNT. WHERE SHOWN ON THE PLAN. INSTALL WITH 6 SOIL MOISTURE SENSORS AND HYDROMETER. GROUND AS PER THE DETAIL AND MANUFACTURERS SPECIFICATIONS.
Ⓟ	5 HP CENTRIFUGAL PUMP. THE WATER SUPPLY SHALL BE TWO 26,000 CISTERNS.
Ⓗ	BL-BMH 200 2" HYDROMETER. REFER TO DETAIL. CONNECT TO THE BASELINE 3200 CONTROLLER.

EXISTING TREE PROTECTION IRRIGATION NOTES:

1. EXERCISE CAUTION WHEN WORKING NEAR EXISTING TREES TO BE RETAINED. PLACE UNDERGROUND PIPING IN COMMON CORRIDORS WHENEVER POSSIBLE. AVOID PLACING UNDERGROUND UTILITIES WITHIN DRIP-LINE OF TREE AND WITHIN TREE PROTECTION BARRIERS. IN NO CASE SHALL TRENCHING OCCUR CLOSER THAN 10' FROM ANY TREE TRUNK PERIMETER.
2. TO THE GREATEST EXTEND POSSIBLE, UTILITY AND IRRIGATION LINES WITHIN THE DRIP-LINE SHALL BE TUNNELED RATHER THAN TRENCHED. DO NOT CUT ROOTS GREATER THAN 2" IN DIA. OPEN TRENCHING SHALL BE CLOSED AS SOON AS POSSIBLE, NOT LESS THAN 24 HOURS OF BEING OPENED, AND EXPOSED SOILS SHALL BE WATERED TO PREVENT FROM DRYING. ALL TRENCHES SHALL BE FILLED WITH CLEAN SOILS NATIVE TO THE SITE AND SHALL BE COMPACTED TO THE DENSITY OF THE SURROUNDING SOILS.
3. RETAIN THE EXISTING GRADE ELEVATION AROUND RETAINED TREES WITHIN THE DRIP-LINE± CONSTRUCT WALKWAYS ON TOP OF EXISTING GRADES WITHIN TREE DRIP-LINES WHENEVER POSSIBLE.

GENERAL NOTES

1) REFER TO THE LANDSCAPE PLANS WHEN TRENCHING TO AVOID TREES AND SHRUBS. HAND DIG AROUND ANY EXISTING TREES. DO NOT CUT ANY ROOTS OVER 2" IN DIAMETER.

2) ALL MAINLINE PIPING SHALL BE BURIED TO A MINIMUM DEPTH OF 18" OF COVER. ALL LATERAL PIPING SHALL BE BURIED TO A MINIMUM DEPTH OF 12" OF COVER.

3) ALL POP-UP ROTORS AND SPRAYS SHALL BE INSTALLED USING AN 18" PVC FLEX PIPE CONNECTION. DO NOT USE POLYETHYLENE PIPE.

4) ADJUST ALL NOZZLES TO REDUCE WATER WASTE ON HARD SURFACES & BLDG. WALLS. THROTTLE ALL VALVES ON SHRUB LINES AS REQUIRED TO PREVENT FOGGING. USE ADJUSTABLE NOZZLES WHERE REQUIRED TO AVOID ANY WATER ON BUILDING WINDOWS.

5) ALL RISERS SHALL BE PAINTED BLACK OR A COLOR CHOSEN BY THE OWNER'S REPRESENTATIVE (IF ALLOWED BY CODE) AND SHALL BE STAKED WITH A STEEL ANGLE AND SECURED WITH PVC ULTRAVIOLET LIGHT PROTECTED PVC CLAMPS. RECLAIMED SYSTEMS MAY REQUIRE THE PIPE TO BE PURPLE.

6) ALL CONTROL WIRE SPLICES SHALL BE MADE IN VALVE BOXES USING 3M DBR-Y WIRE CONNECTORS AND SEALANT WITH WIRE NUTS.

7) THE CONTRACTOR SHALL PREPARE AN AS-BUILT DRAWING SHOWING ALL IRRIGATION INSTALLATION. THE CONTRACTOR SHALL NEATLY MARK IN RED INK ON A WHITE BOND PAPER COPY OF THE IRRIGATION PLAN ANY INSTALLATION THAT DEVIATES FROM THE PLAN. THE AS-BUILT DRAWING SHALL ALSO LOCATE ALL MAINLINE AND VALVES BY SHOWING EXACT MEASUREMENTS FROM HARD SURFACES. MEASUREMENTS SHALL BE MARKED ON THE PLAN EVEN WHEN THE EQUIPMENT IS INSTALLED IN THE EXACT LOCATION AS THE PLAN.

8) ALL VALVES, GATE VALVES AND QUICK COUPLERS SHALL BE INSTALLED IN VALVE BOXES. THE VALVE BOXES SHALL BE PURPLE WHEN USING RECLAIMED WATER.

9) ANY PIPING SHOWN OUTSIDE THE PROPERTY LINE OR RUNNING OUTSIDE A LANDSCAPE AREA IS SHOWN THERE FOR CLARITY ONLY. ALL LINES SHALL BE INSTALLED ON THE PROPERTY AND INSIDE THE LANDSCAPE AREAS OR INSIDE A SCH. 40 SLEEVE.

10) ALL HEADS SHALL BE INSTALLED A MINIMUM OF 24" FROM ANY WALL AND A MINIMUM OF 6" FROM ANY SIDEWALK, PATIO OR ROAD. (MINIMUM OF 2' WHERE THERE ARE NO BUMPER STOPS) THE EXACT HEIGHT OF ANY 12" POP-UP THAT IS SHOWN IN A SHRUB BED SHALL BE DETERMINED BY THE OWNER'S REPRESENTATIVE IN THE FIELD.

11) THE CONTRACTOR SHALL EXERCISE CARE SO AS NOT TO DAMAGE ANY EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REPAIRS AND COST OF ANY DAMAGE CAUSED BY THEIR WORK.

12) ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE AGAINST ALL DEFECTS IN EQUIPMENT AND WORKMANSHIP. (OR AS OUTLINED IN THE WRITTEN SPECIFICATIONS)

13) ELECTRICAL SERVICE TO LOCATION OF THE CONTROLLER, WELL OR PUMP SHALL BE PROVIDED TO A JUNCTION BOX OR DISCONNECT AT THE EQUIPMENT LOCATION BY THE ELECTRICAL CONTRACTOR OR BY OWNER WHEN IT IS NOT PART OF THE BID PACKAGE. CONFIRM THE LOCATION OF THE CONTROLLER WITH THE OWNER OR GENERAL CONTRACTOR BEFORE ANY INSTALLATION.

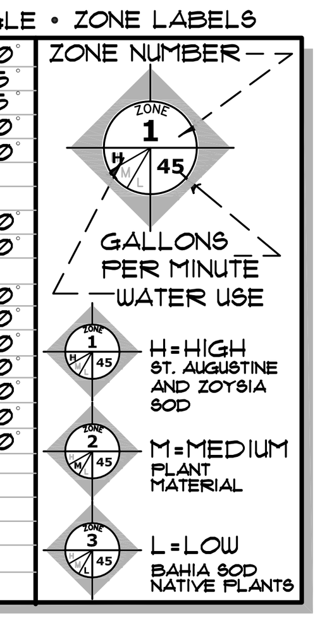
14) IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SCALE THE PLAN AND CHECK NOZZLE TYPES TO DETERMINE THE CORRECT SPACING OF THE HEADS. THE CONTRACTOR SHALL NOT SPACE THE HEADS FURTHER APART OR USE LESS HEADS THAN SHOWN ON THE PLAN. ANY CHANGES TO THE HEAD SPACING OR LAYOUT, WITHOUT THE CONSENT OF THE LANDSCAPE ARCHITECT OR OWNER, SHALL HOLD THE IRRIGATION CONTRACTOR RESPONSIBLE FOR WARRANTY OF THE PLANTS AND OR SOD IN THESE AREAS.

15) 48 HOURS BEFORE DIGGING, CALL 1-800-432-4770 (SUNSHINE STATE ONE CALL CENTER)

NOZZLE CHART

LETTER	PRODUCT SPEC.	G.P.M. @ 40PSI	RADIUS	RADIUS/ANGLE	
A	MP2000	1.47	19'	FULL	360°
B	MP CORNER	.45	14'	CORNER	105°
C	MP CORNER	.19	14'	CORNER	45°
D	MP2000	.74	19'	HALF	180°
F	MP2000	.40	19'	QUARTER	90°
G	MP STRIP	.22	5' X 15'	END STRIP	
H	RAINBIRD SQ-H	.23	4.5'	HALF PATTERN	
J	MP1000	.50	14'	THREE QTR.	270°
K	MP1000	.75	14'	FULL	360°
M	MP SIDE STRIP	.44	5' X 30'	SIDE STRIP	
R	MP1000	.19	14'	QUARTER	90°
T	MP1000	.37	14'	HALF	180°
V	MP3000	.86	30'	QUARTER	90°
W	MP3000	1.82	30'	HALF	180°
X	MP3000	2.73	30'	THREE QTR.	270°
Y	MP3000	3.64	30'	FULL	360°
Z	MP2000	1.10	19'	THREE QTR.	270°

ZONE LABELS



THE NOZZLES LISTED SHOW THE TYPE OF MP ROTATOR NOZZLE THAT SHOULD BE USED. THE CONTRACTOR SHOULD INSTALL THE MP1000, MP2000, MP3000 OR SPECIALTY NOZZLE IN EACH HEAD AS SHOWN BY THE LETTER BESIDE THE HEAD ON THE PLAN. THE GPM, DISTANCE AND ANGLE ON THE NOZZLE CHART ARE APPROXIMATE. THE CONTRACTOR SHALL ADJUST ALL NOZZLES TO PROVIDE THE 100% COVERAGE, BUT LIMIT OVERTHROW ON TO BUILDINGS, WALLS, PAVEMENT, ETC. THE HEADS SHALL BE SPACED AS PER THE PLAN. SCALE THE PLAN FOR DISTANCE. DO NOT ASSUME THAT ALL HEADS ARE SPACED AS PER CONVENTIONAL SPRAY HEADS. THE PRECIPITATION RATE FOR THESE NOZZLES IS LESS THAN A CONVENTIONAL SPRAY NOZZLE. FOLLOW THE ZONE CHART FOR AN APPROXIMATE RUN TIME FOR EACH ZONE, BUT SET THE RUN TIME ON THE CONTROLLER BASED ON THE SPECIFIC SITE CONDITIONS.

DRIP TUBING NOTES

1) INSTALL ALL DRIP TUBING AT GROUND LEVEL AFTER PLANT INSTALLATION. INSTALL NETAFIM TLS6 U SHAPED WIRE STABILIZERS A MIN. OF 4' O.C. TO HOLD THE LINES IN PLACE.

2) KEEP ALL DRIP LINE CLEAN AT ALL TIMES BEFORE THE FINAL CONNECTION. ALL TUBE ENDS SHALL BE INTERCONNECTED TO ALL OTHER DRIP TUBES. DO NOT DEAD END TUBING. SINGLE ROWS SHALL HAVE A END CAP AND NOT BENT OVER OR TAPED.

3) AVOID SHARP BENDS IN THE TUBING. DO NOT BEND THE TUBING WITH LESS THEN A 12" RADIUS. THERE SHALL NOT BE ANY KINKS IN THE TUBING.

4) ALL DRIP TUBING SHALL HAVE UNIFORM SPACING AND BURIAL DEPTH. THE PLAN DOES NOT ALWAYS REFLECT THE EXACT SPACING OR LAYOUT OF THE TUBING. LAYOUT THE TUBING DOWN THE LONGEST WIDTH WHEN POSSIBLE. ADAPT THE TUBING TO CURVED BEDS OR PLANTERS AS REQUIRED. ADJUST AND ADAPT THE TUBING FOR ALL TREES. REFER TO THE TREE DRIP RING DETAIL.

5) INSTALL DRIP TUBING TO ALL AREAS THAT SHALL RECEIVE PLANT MATERIAL. SEE THE LANDSCAPE PLAN FOR THE EXACT LOCATIONS. THERE SHALL BE A MINIMUM OF TWO ROWS OF TUBING ON A SINGLE ROW OF PLANTS.

6) SPACE TUBING AS NOTED ON THE PLAN. DO NOT SNAKE TUBING BACK AND FORTH EXCEPT WHERE SHOWN ON THE PLAN. ALWAYS INSTALL A HEADER PIPE UNLESS THE TOTAL GALLONAGE OF AN AREA IS 3 GPM OR LESS.

7) REFER TO THE MANUFACTURERS DRIP INSTALLATION MANUAL FOR INSTALLATION INSTRUCTIONS. ALL FITTINGS SHALL BE THE SAME TYPE AND MANUFACTURER AS THE DRIP TUBING.

8) ALWAYS FLUSH ALL LINES BEFORE FINAL CONNECTION.

9) INSTALL A A "SYSTEM ON" INDICATOR FLAG ON EVERY ZONE WHERE IT IS SEEN FROM THE CONTROL VALVE.

10) ALL MAINLINE SHALL BE BURIED TO A MINIMUM DEPTH OF 18" OR AS INDICATED ON THE LEGEND.

11) ALL CONTROL WIRES SPLICES SHALL BE MADE IN VALVE BOXES USING KING CONNECTORS AND SEALANT AND ALL WIRE SHALL BE 14 GAUGE, EXCEPT AS DETAILED FOR TWO-WIRE SYSTEMS.

12) ANY PIPING SHOWN OUTSIDE THE PROPERTY LINE OR RUNNING OUTSIDE THE LANDSCAPE AREA IS SHOWN THERE FOR CLARITY ONLY.

13) THE CONTRACTOR SHALL EXERCISE CARE SO AS NOT TO DAMAGE ANY EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS OF ANY DAMAGE CAUSED BY HIS WORK.

14) INSTALL FLUSH VALVES WHERE SHOWN AT THE ENDS OF EACH RUN OF DRIP TUBING AND ONE FOR EVERY 15 GPM OF TUBING.

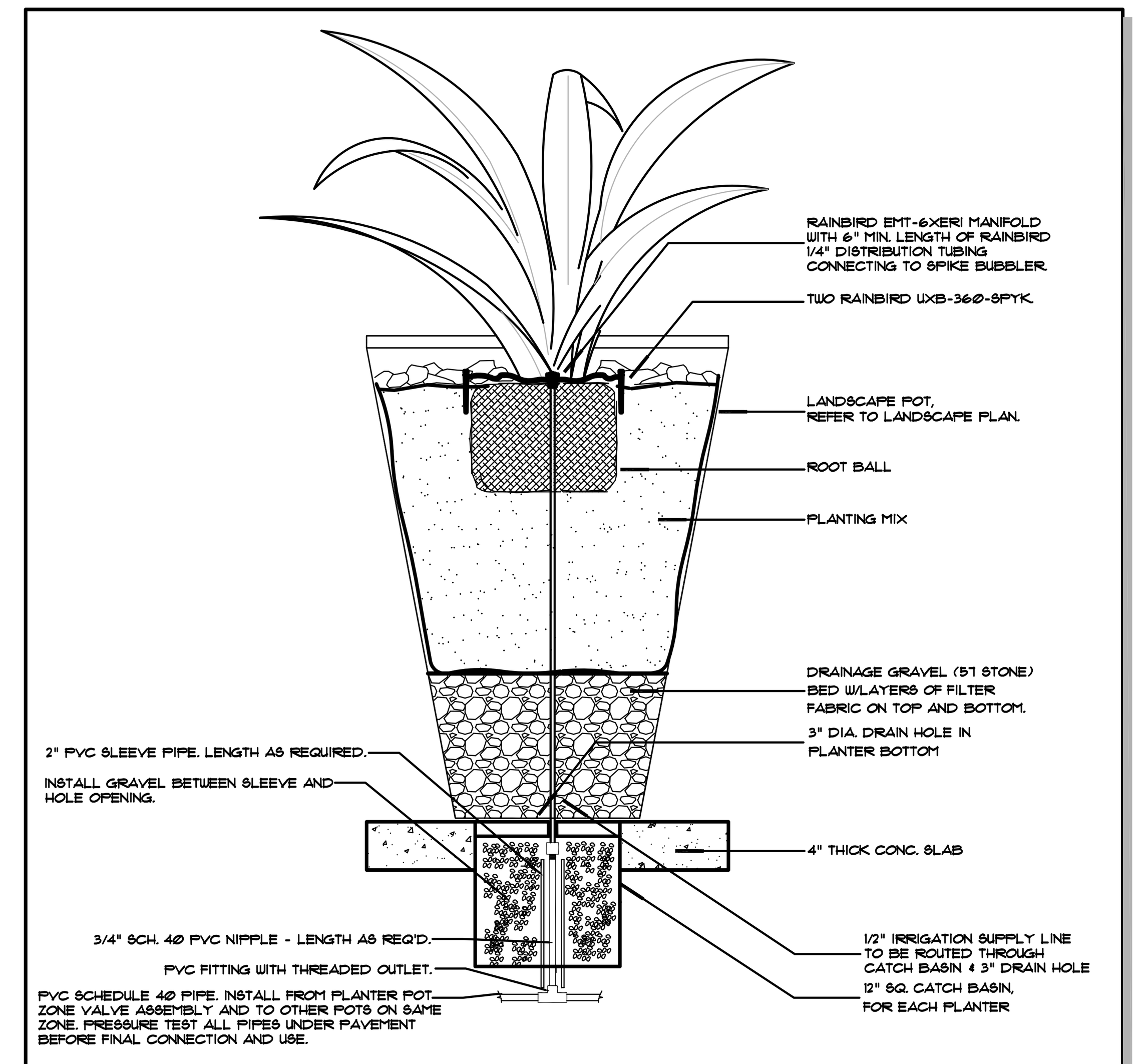
15) CLEARLY AND NEATLY MARK THE TOP OF EACH VALVE BOX WITH THE TYPE OF EQUIPMENT THAT IT CONTAINS. (I.E. VALVE, FLUSH VALVE, ETC.)

16) THE DRIP ZONE VALVE ASSEMBLY SHALL BE PLACED INSIDE AN ARMOR JUMBO VALVE BOX. THE VALVE SHALL BE INSTALLED AS PER THE DETAIL ON THE PLANS.

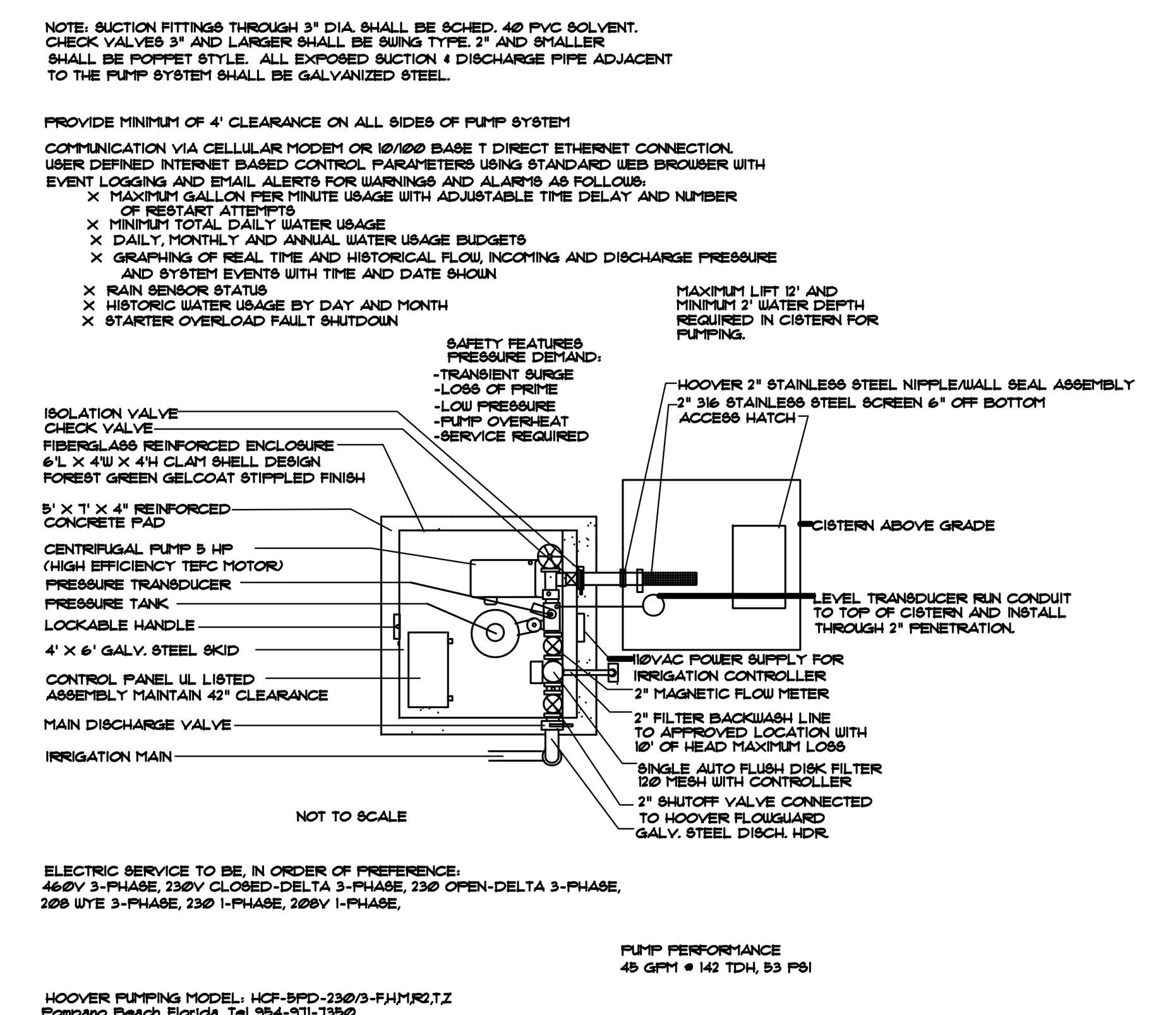
17) THE DRIP TUBING SHALL HAVE EMITTERS EVERY 12" AND SHALL BE SPACED 12" APART IN GROUND COVER BEDS AND A MINIMUM OF TWO RUNS FOR EACH ROW OF SHRUBS WHEN THE SHRUBS ARE SPACED FARTHER THAN 2' ON CENTER.

18) REFER TO THE ZONE CONTROL KIT DETAIL FOR FILTER SIZES.

19) THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE HIS/HER WORK WITH THE LANDSCAPE CONTRACTOR.

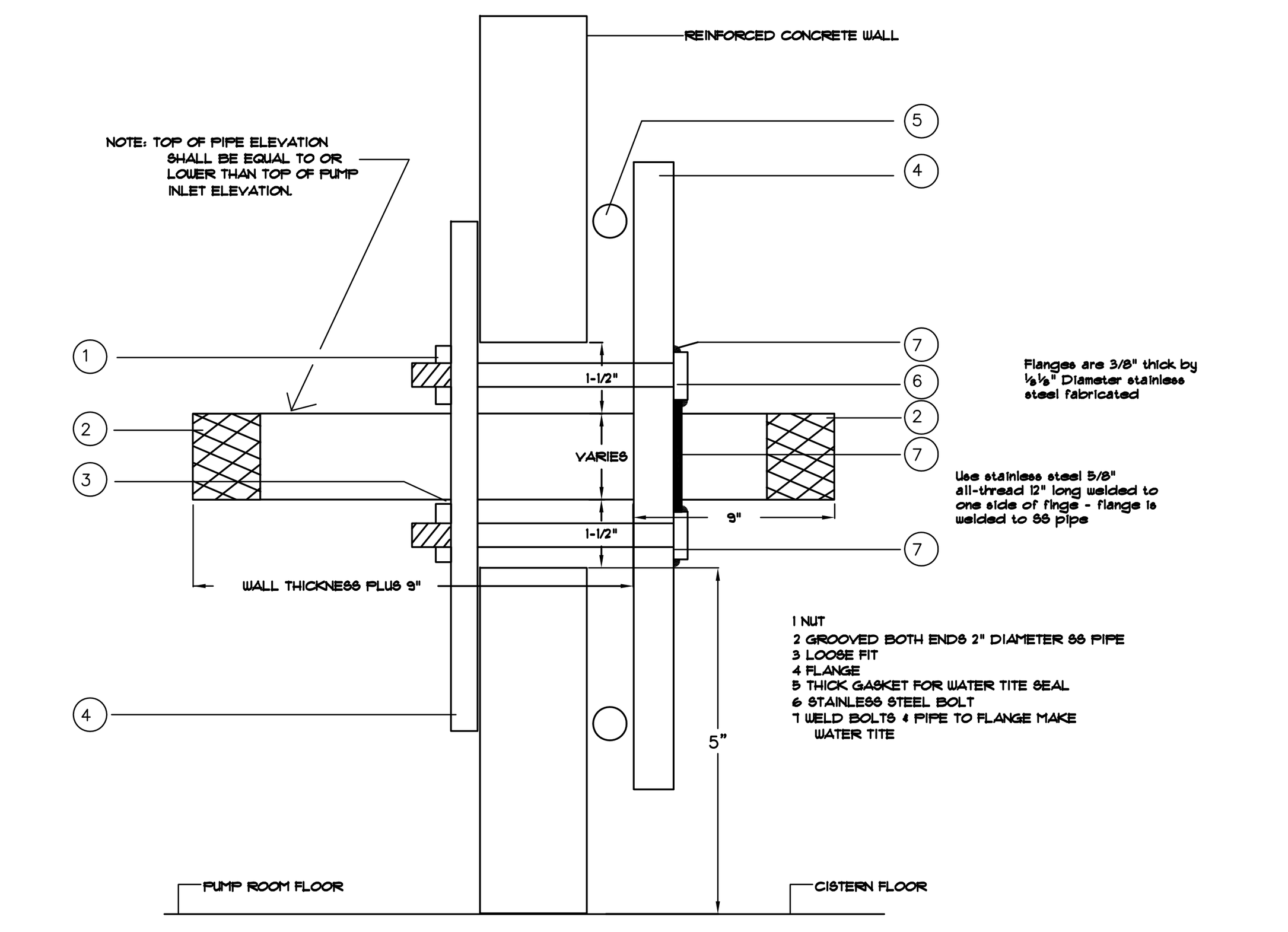


CONTAINER IRRIGATION
SECTION/ELEVATION SCALE: Not to Scale



KEY WEST CITY HALL
CENTRIFUGAL PUMP SYSTEM DETAIL

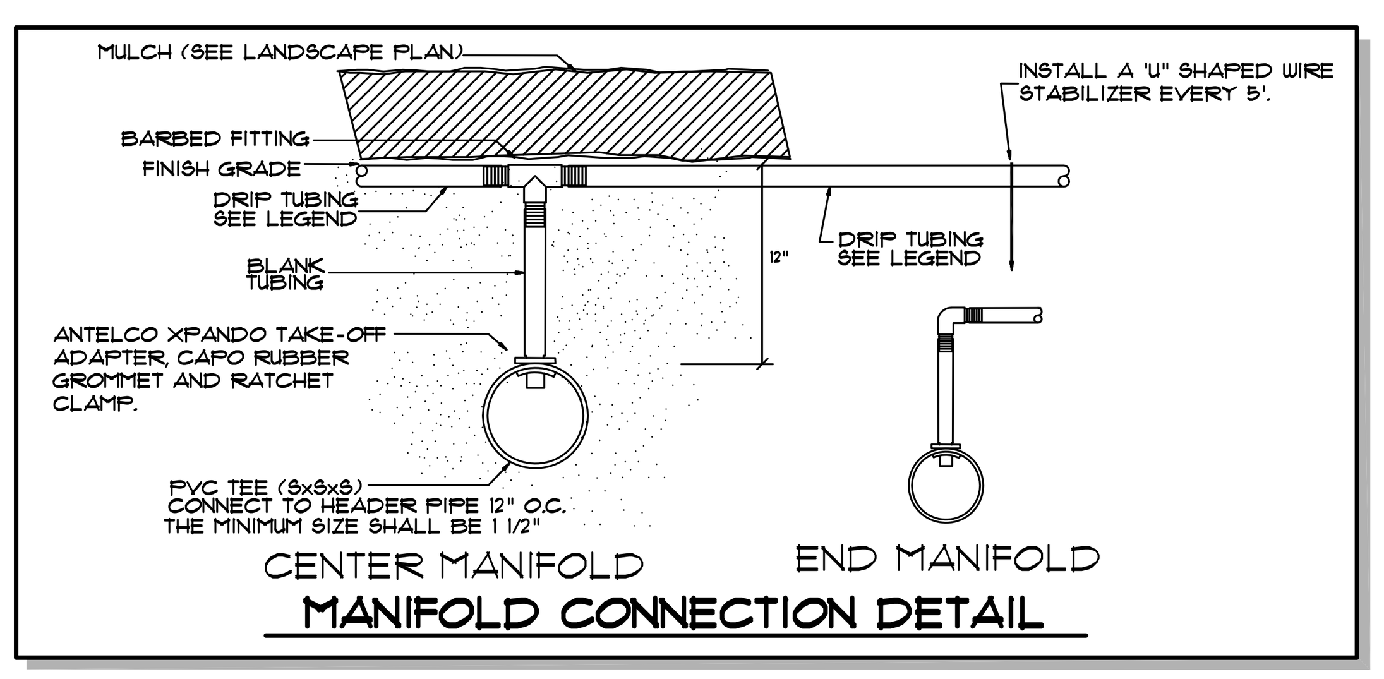
FIBERGLASS ENCLOSED SINGLE CISTERN SUCTION
PRESSURE DEMAND, DISCHARGE FILTER
HOOVER FLOWGUARD®



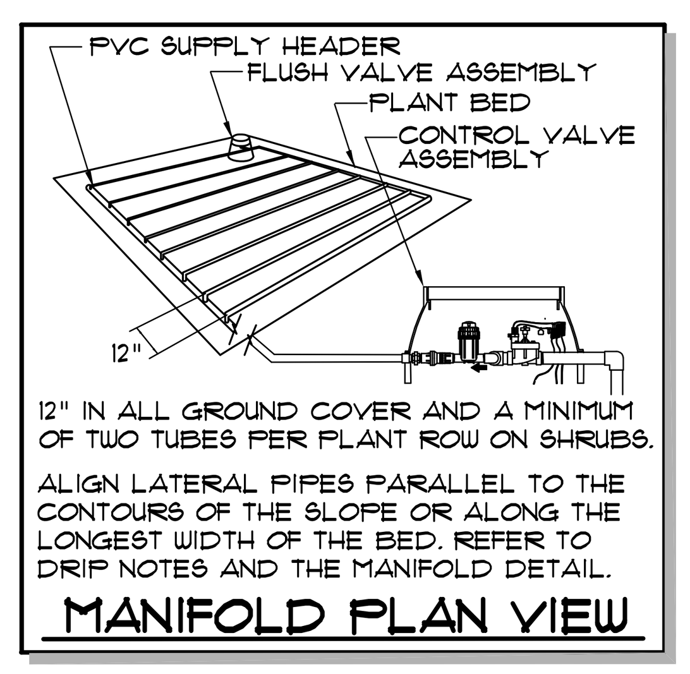
KEY WEST CITY HALL
PUMP INTAKE CISTERN WALL SEAL

SECTION/ELEVATION VIEW
NOT TO SCALE
PN12970

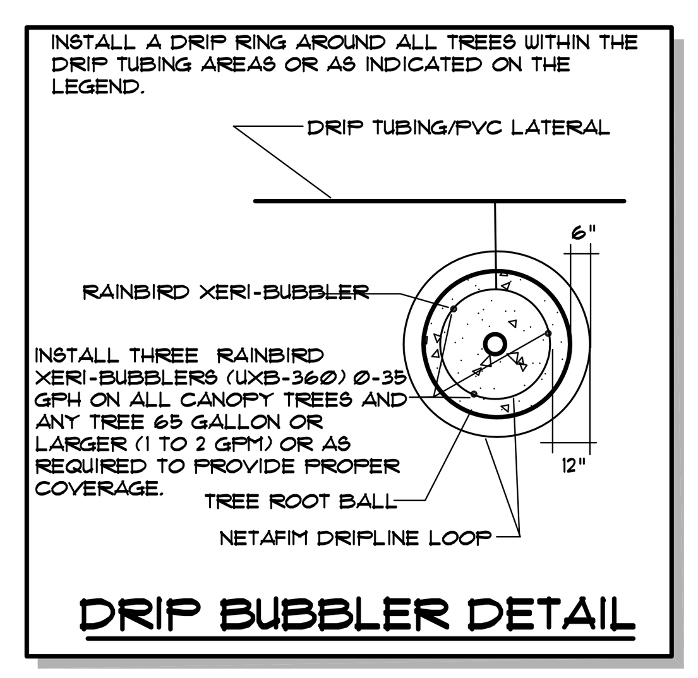
HOOVER PUMPING SYSTEMS:
Pompano Beach, Florida, USA Tel: 954-971-7350
FILE Intake thru cistern wall 6/11



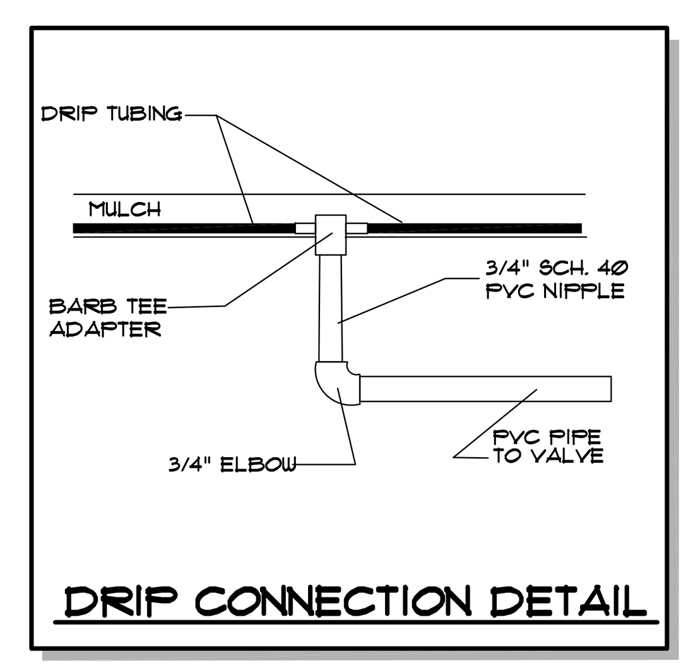
MANIFOLD CONNECTION DETAIL



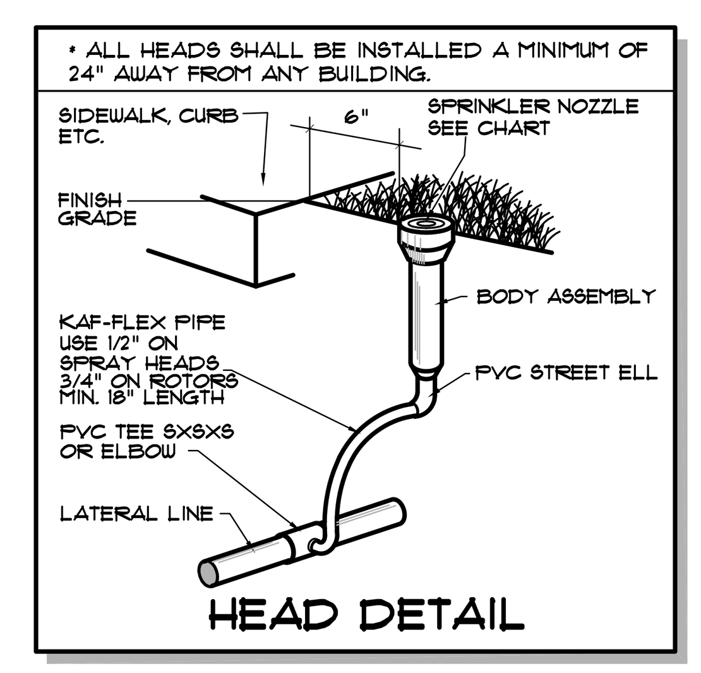
MANIFOLD PLAN VIEW



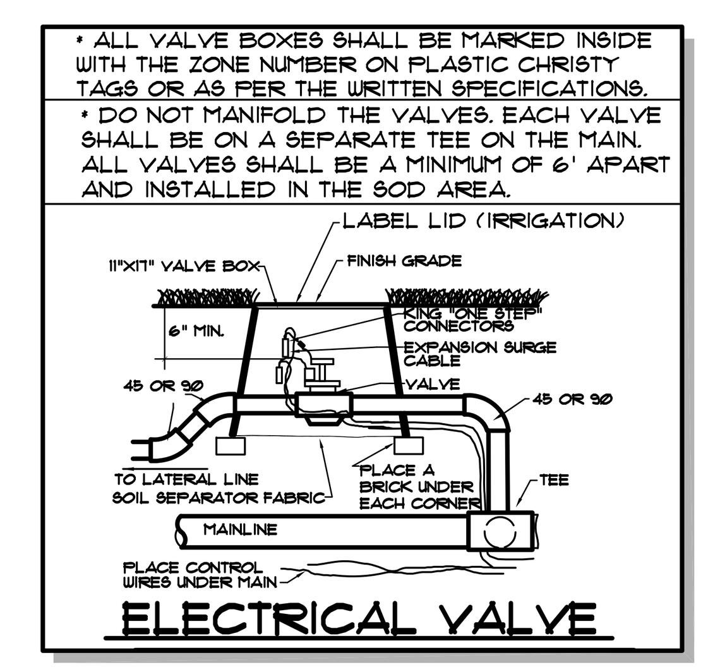
DRIP BUBBLER DETAIL



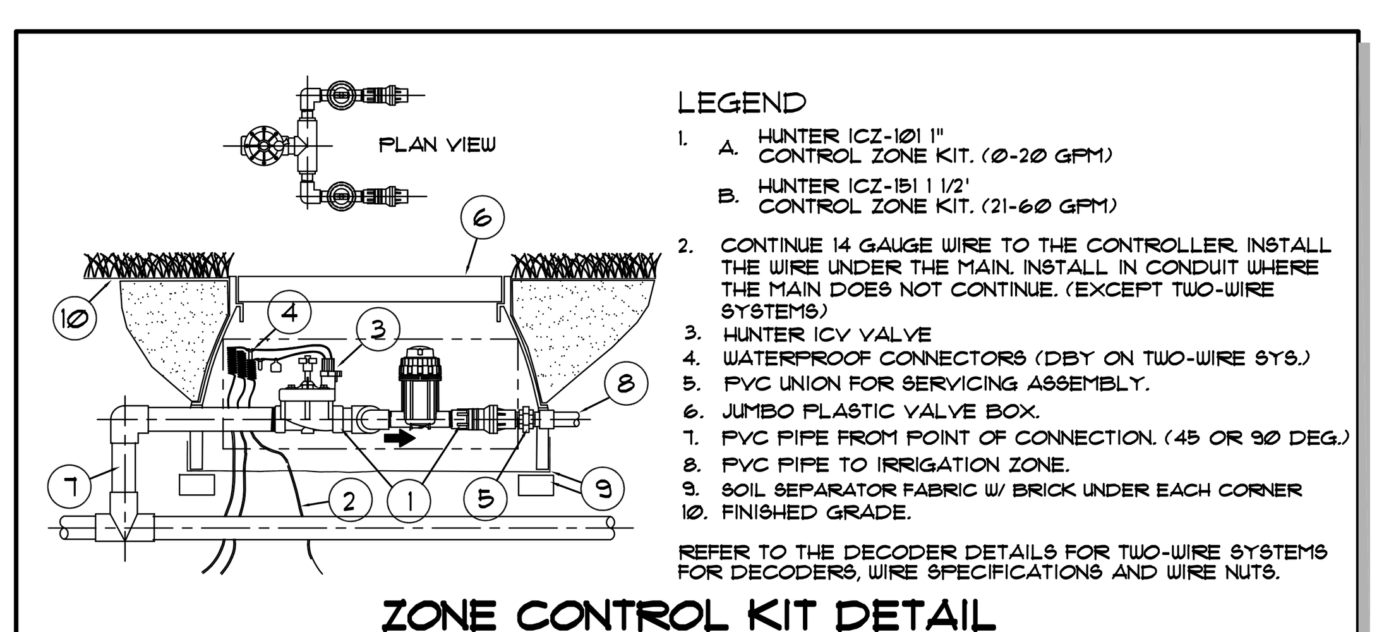
DRIP CONNECTION DETAIL



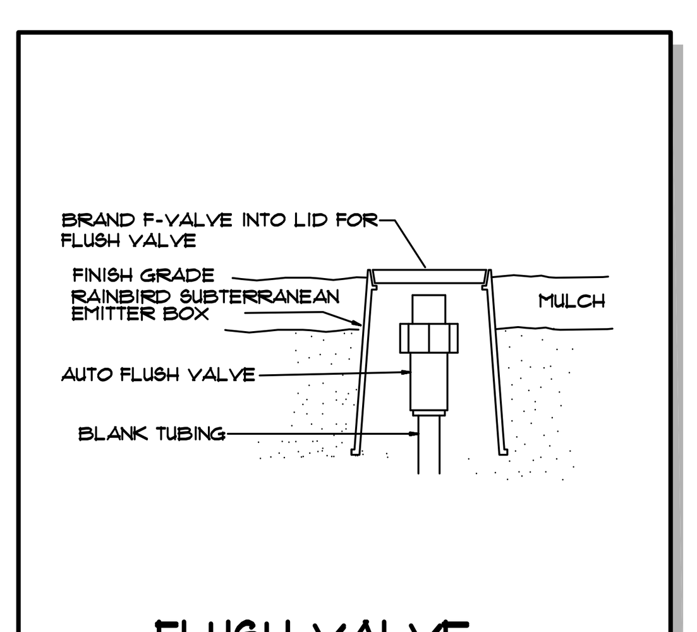
HEAD DETAIL



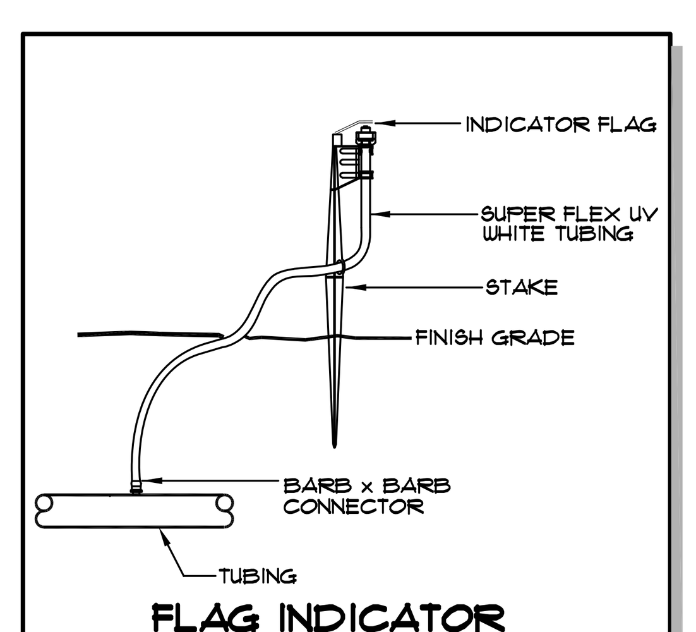
ELECTRICAL VALVE



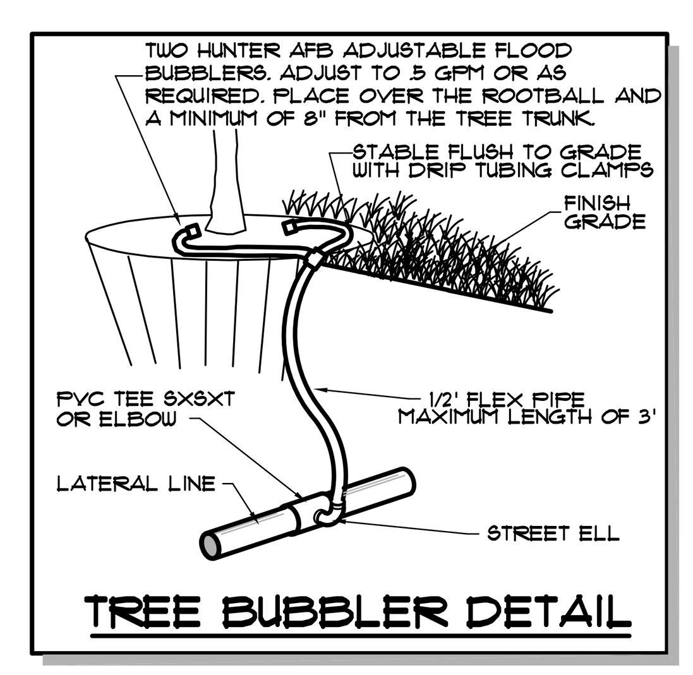
ZONE CONTROL KIT DETAIL



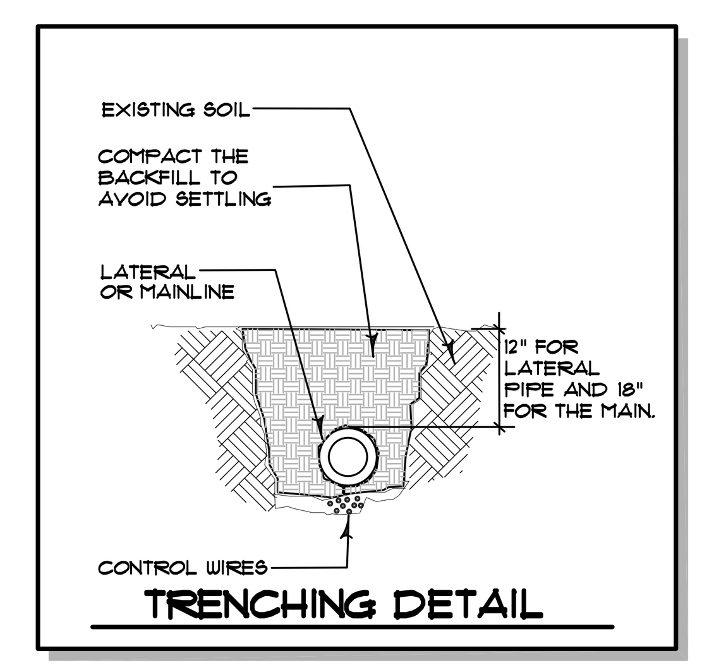
FLUSH VALVE



FLAG INDICATOR



TREE BUBBLER DETAIL



TRENCHING DETAIL

FINAL TREE COMMISSION SUBMITTAL

REVISIONS:

KEY WEST CITY HALL
AT GLYNN ARCHER

1300 WHITE STREET KEY WEST, FLORIDA
CITY OF KEY WEST

LANDSCAPE ARCHITECT

LITTLEJOHN ENGINEERING ASSOCIATES

Bender & Associates ARCHITECTS p.a.
410 Angela Street
Key West, Florida 33040
Telephone (305) 296-1347
Facsimilie (305) 296-2727
Florida License AAC002022

Project №: 1305

IRRIGATION DETAILS & NOTES

Date: 03/28/14

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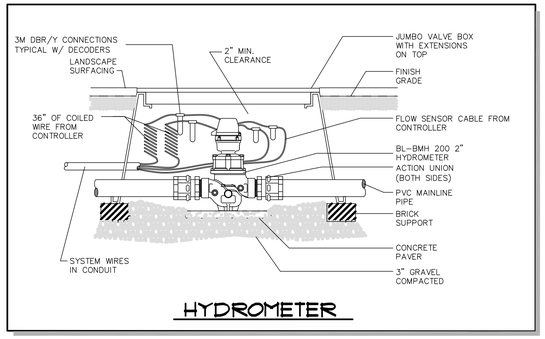
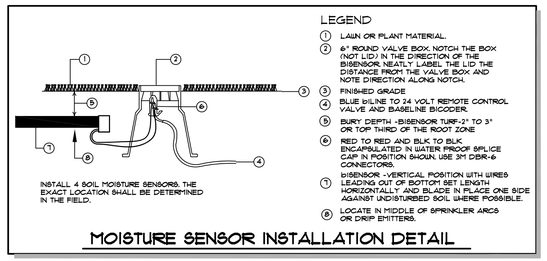


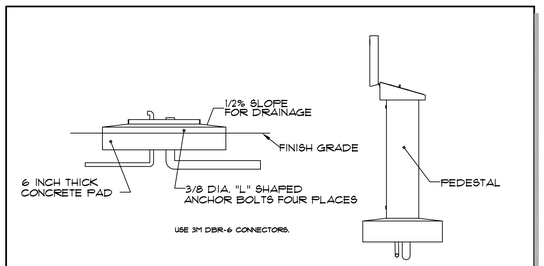
HYDROMETER



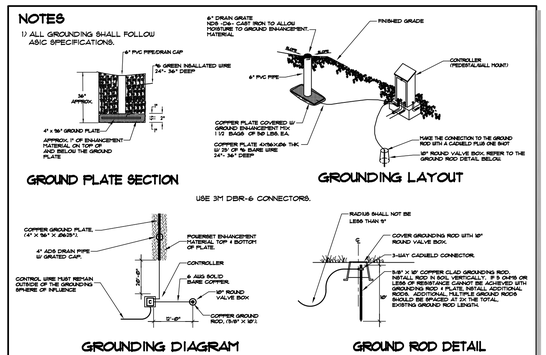
MOISTURE SENSOR INSTALLATION DETAIL

ZONE CHART

ZONE	GPM	HEAD TYPE	WATER USE	PRECIP. RATE (in. per hour)	RUN TIME (minutes)
1	30	Drip	LOW	1.5	20
2	6	Drip	LOW	1.5	20
3	31	Drip	LOW	1.5	20
4	37	Drip	LOW	1.5	20
5	24	Drip	LOW	1.5	20
6	24	Drip	LOW	1.5	20
7	17	Drip	LOW	1.5	20
8	45	Drip	LOW	1.5	20
9	43	Drip	LOW	1.5	20
10	43	Drip	LOW	1.5	20
11	39	Drip	LOW	1.5	20
12	20	Drip	LOW	1.5	20
13	22	Drip	LOW	1.5	20
14	22	Drip	LOW	1.5	20



CONTROLLER ENCLOSURE



GROUNDING AND WIRING DETAILS

FINAL TREE COMMISSION SUBMITTAL

REVISIONS:

KEY WEST CITY HALL AT GLYNN ARCHER

1300 WHITE STREET KEY WEST, FLORIDA
CITY OF KEY WEST

LANDSCAPE ARCHITECT

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IRRIGATION DETAILS

Date: 03/28/14

L-81