

L1      **ILLUSTRATIVE PLAN**

L-100 GROUND FLOOR  
L-200 LEVEL 2  
L-300 LEVEL 3  
L-400 LEVEL 4  
L-500 LEVEL 5  
L-600 LEVEL 6  
L-700 ROOF

L2      **PLANT PALETTE**

P-100 PLANT PALETTE  
P-200 PLANT SELECTION  
P-300 PLANT SELECTION

L3      **TREE SURVEY**  
L4      **TREE DISPOSITION**  
L5      **LANDSCAPE PLAN**

L-100 GROUND FLOOR  
L-200 LEVEL 2  
L-300 LEVEL 3  
L-400 LEVEL 4  
L-500 LEVEL 5  
L-600 LEVEL 6  
L-700 ROOF  
L-701 NORTH FACADE GREEN WALL

L6      **LANDSCAPE DETAILS + NOTES**

L-800 LANDSCAPE NOTES + DETAILS  
L-801 LANDSCAPE NOTES + DETAILS  
L-802 LANDSCAPE NOTES + DETAILS

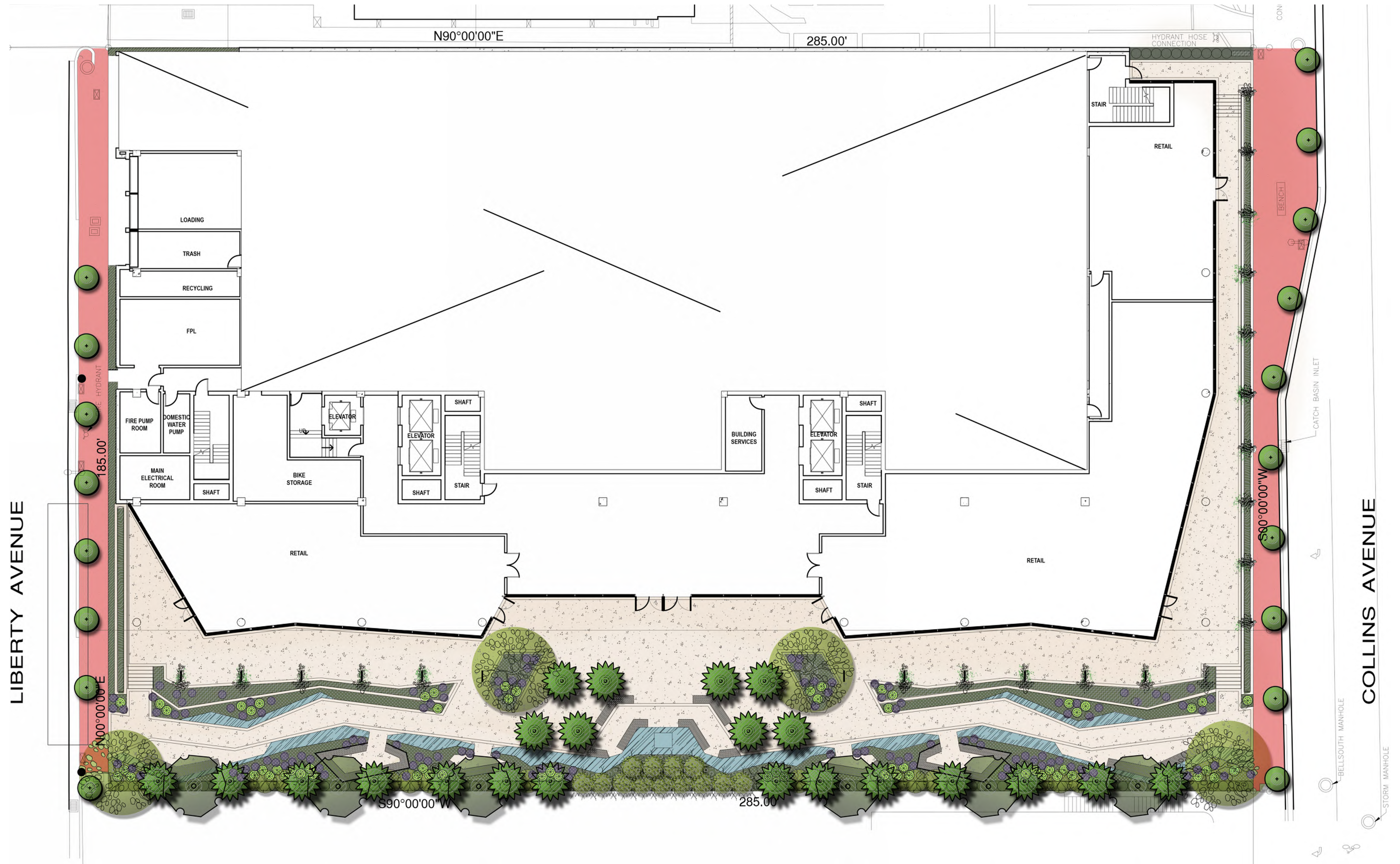
L7      **IRRIGATION PLAN**

IR-100 GROUND FLOOR  
IR-200 LEVEL 2  
IR-300 LEVEL 3  
IR-400 LEVEL 4  
IR-500 LEVEL 5  
IR-600 LEVEL 6  
IR-700 ROOF

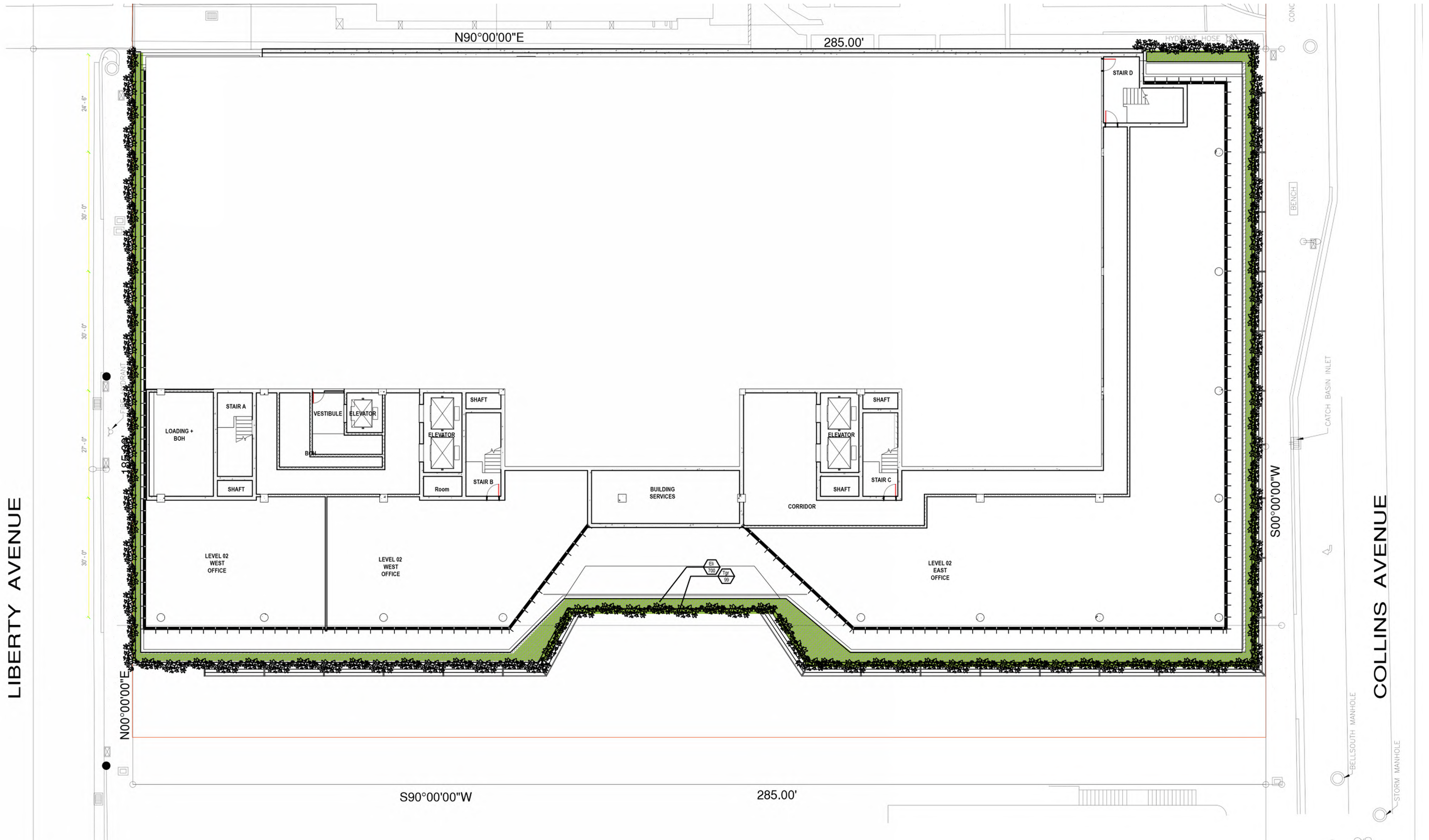
L8 **IRRIGATION DETAILS + NOTES**  
L9 **LIGHTING PLAN**

LI-100 GROUND FLOOR  
LI-200 LEVEL 4





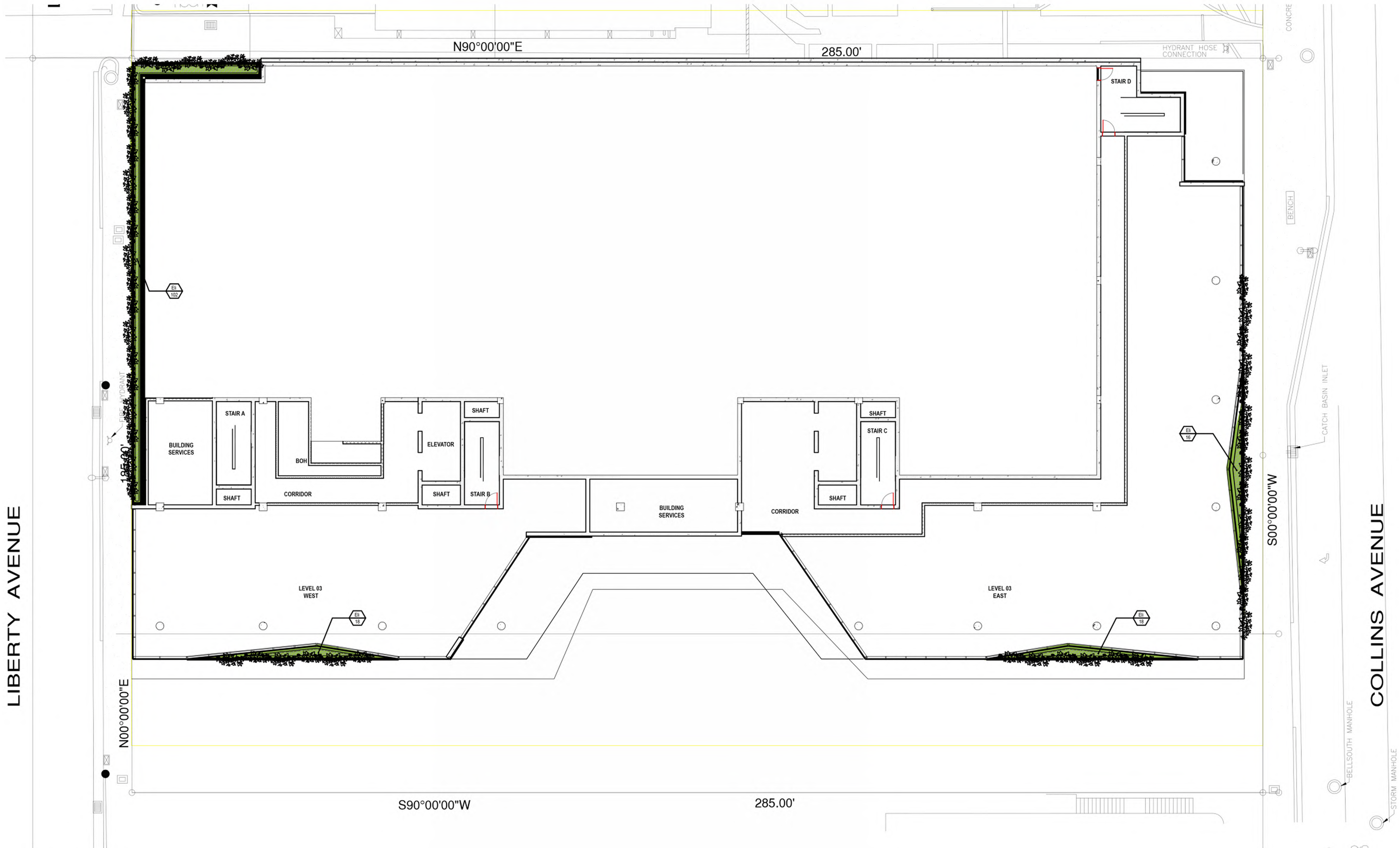




SCALE: 3/32" = 1'-0"







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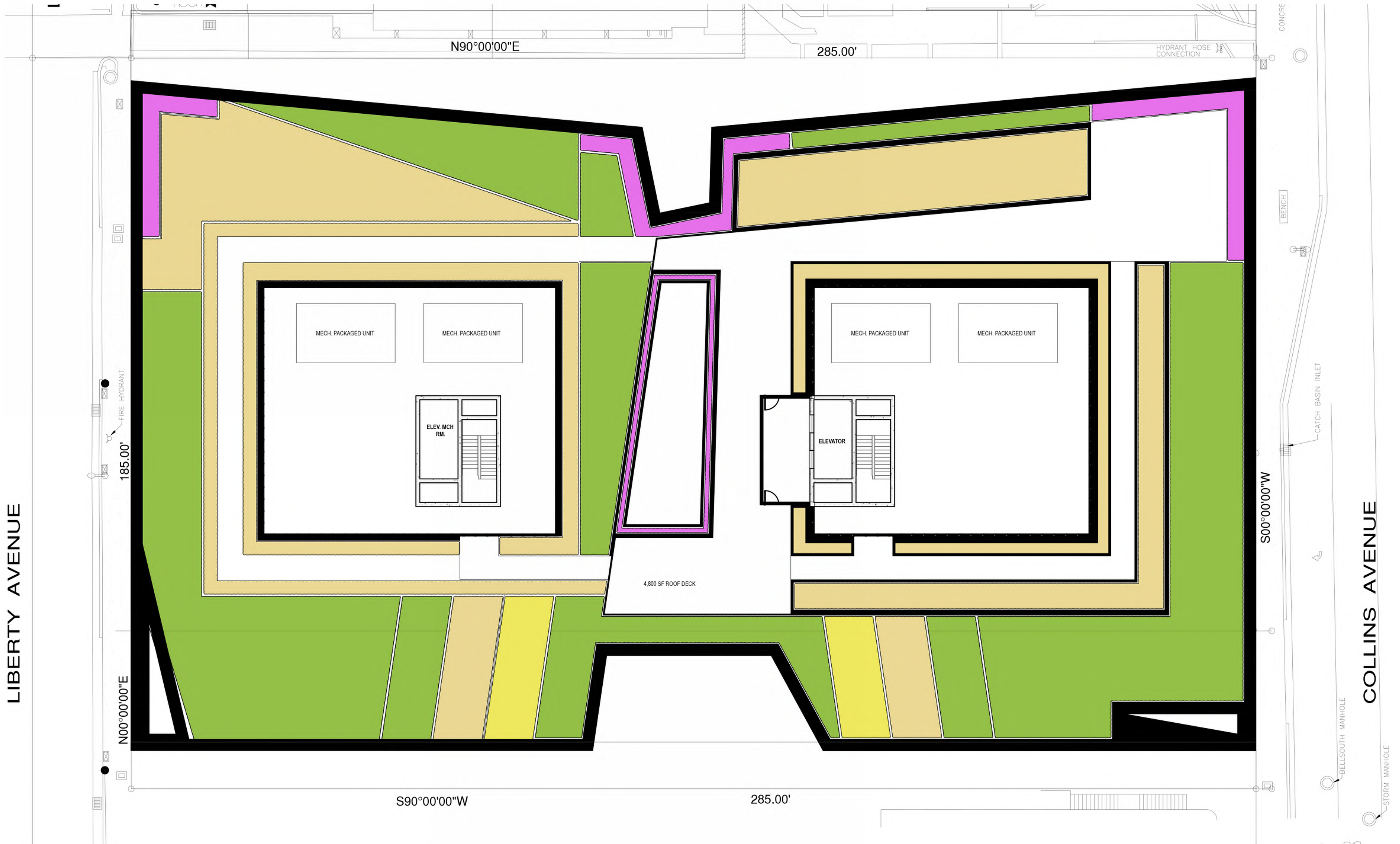




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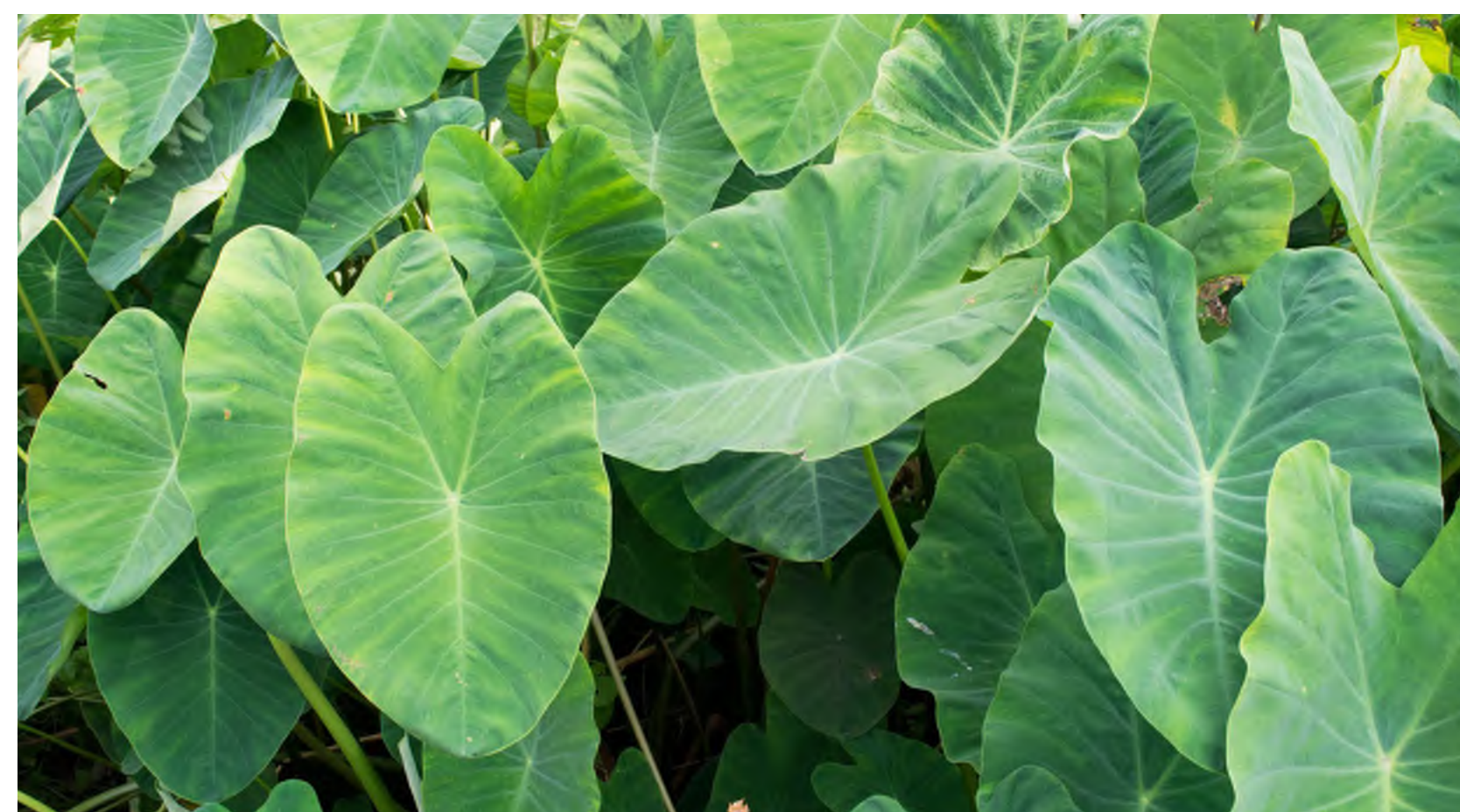
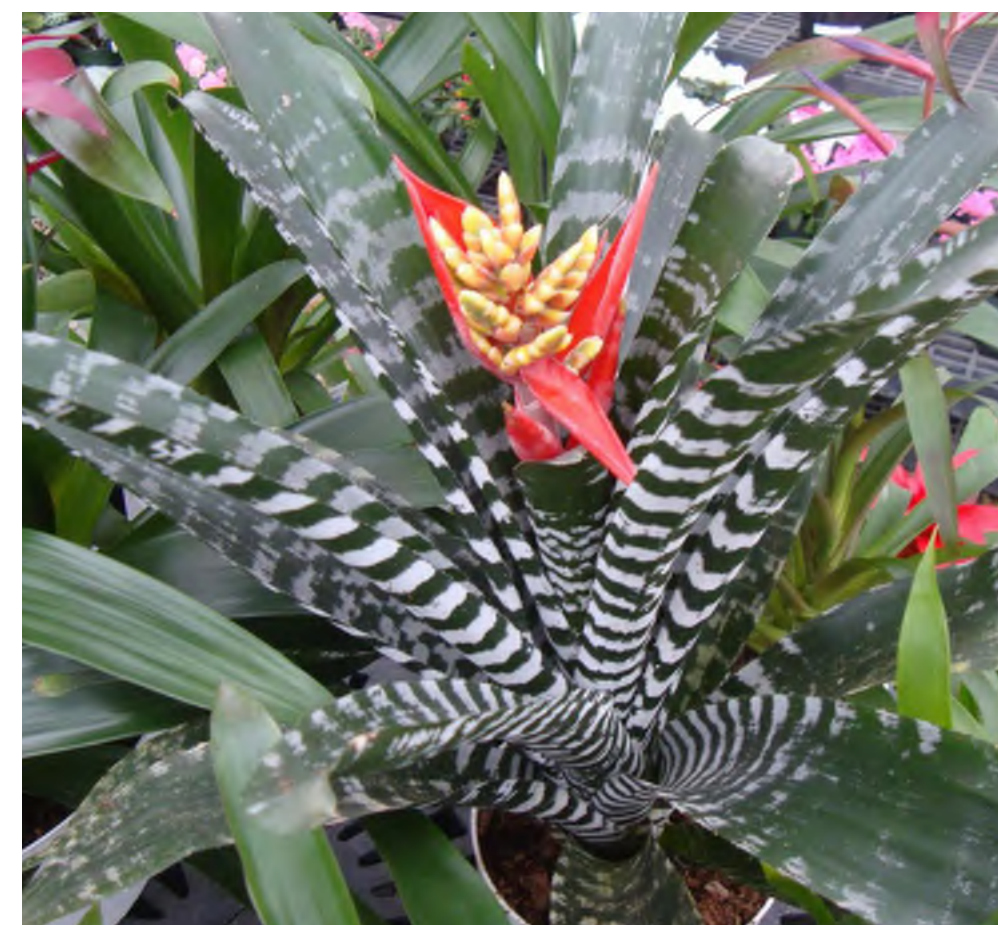




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SCALE: 3/32" = 1'-0"





TREES



**Green Buttonwood**  
Conocarpus erectus



**Strangler Fig**  
Ficus aurea



**White Frangipani**  
Plumeria obtusa 'Singapore'



**Mahogany Tree**  
Swietenia mahagoni



**Silver Buttonwood**  
Conocarpus erectus  
'sericeusues'



**Yesterday, Today, Tomorrow**  
Tibouchina granulosa



**Bridal Veil**  
Caesalpinia granadillo



**Pigeon Plum**  
Coccoloba diversifolia

PALMS



**Washington Palm**  
Washingtonia robusta



**Alexander Palm**  
Ptychosperma elegans

SHRUBS + ACCENTS



**Zebra Bromeliad**  
Aechmea 'Black Chantinii'



**Alocasia**  
Alocasia 'Portadora'



**Oldhamii Bamboo**  
Bambusa Oldhamii



**Green Buttonwood**  
Conocarpus erectus



**Black Colocasia**  
Colocasia esculenta  
'Black Royal Hawaiian'



**Golden Creeper**  
Ernodea litorialis



**Lily Turf**  
Liriope muscari



**Fakahatchee Grass**  
Tripsacum dactyloides



SHRUBS + ACCENTS



**Rockweed**  
*Pilea microphylla*



**White Sky Vine**  
*Thunbergia grandiflora* 'Alba'



**Asiatic Jasmine**  
*Trachelopsernum asicaticum* 'Minima'



**Vanda Orchid**  
*Vanda* spp.



**Mascarene Grass**  
*Zoysia tenuifolia*

GREEN ROOF



**Perennial Peanut**  
*Arachis glabra*



**Beach Elder**  
*Iva imbricata*



**Beach Morning Glory**  
*Ipomea imperati*



**Beach Bean**  
*Canavalia rosea*

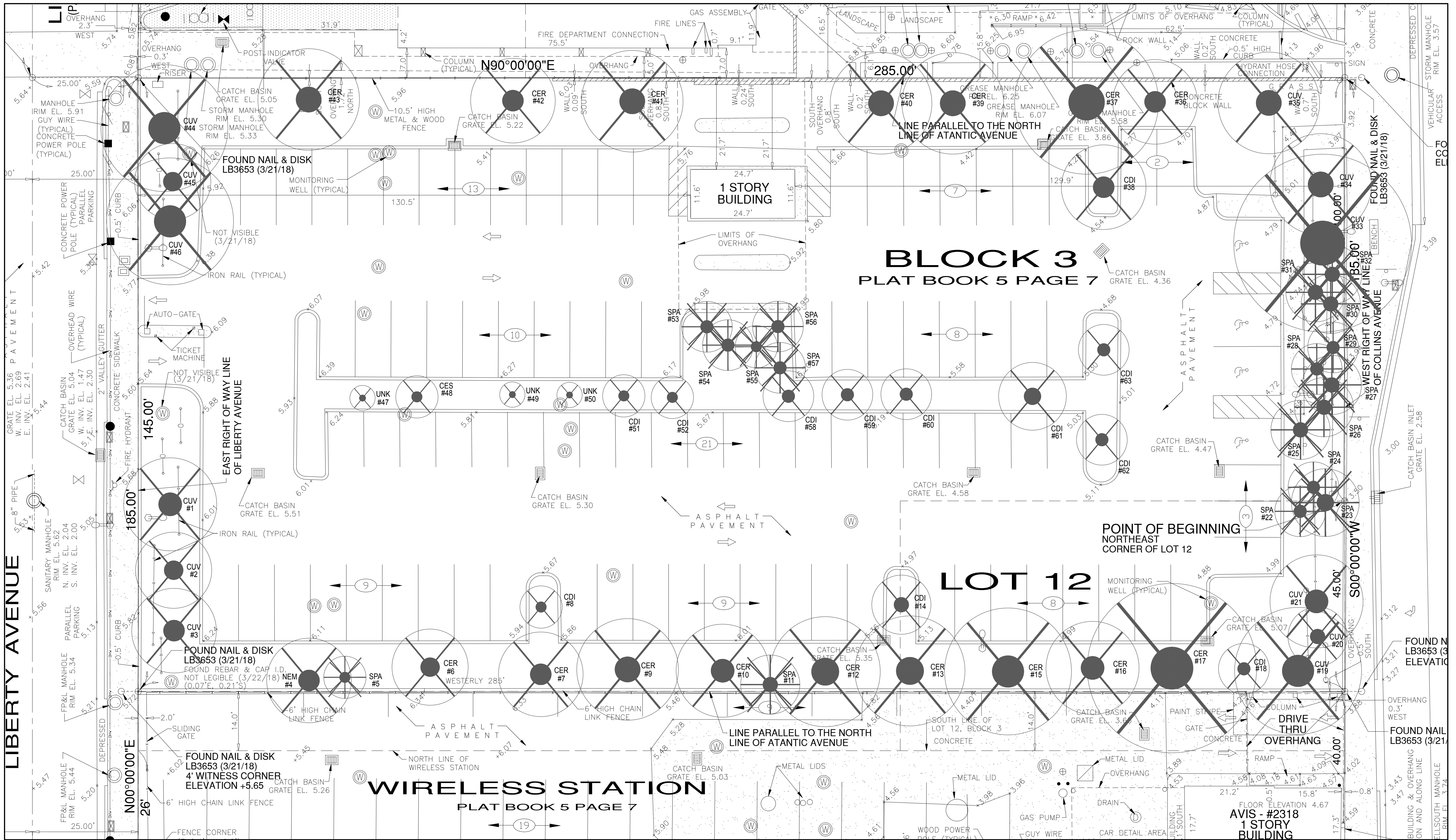


**Sand Cordgrass**  
*Spartina bakeri*



**Beach Sunflower**  
*Healianthus debilis*





SCALE: 3/32" = 1'-0"





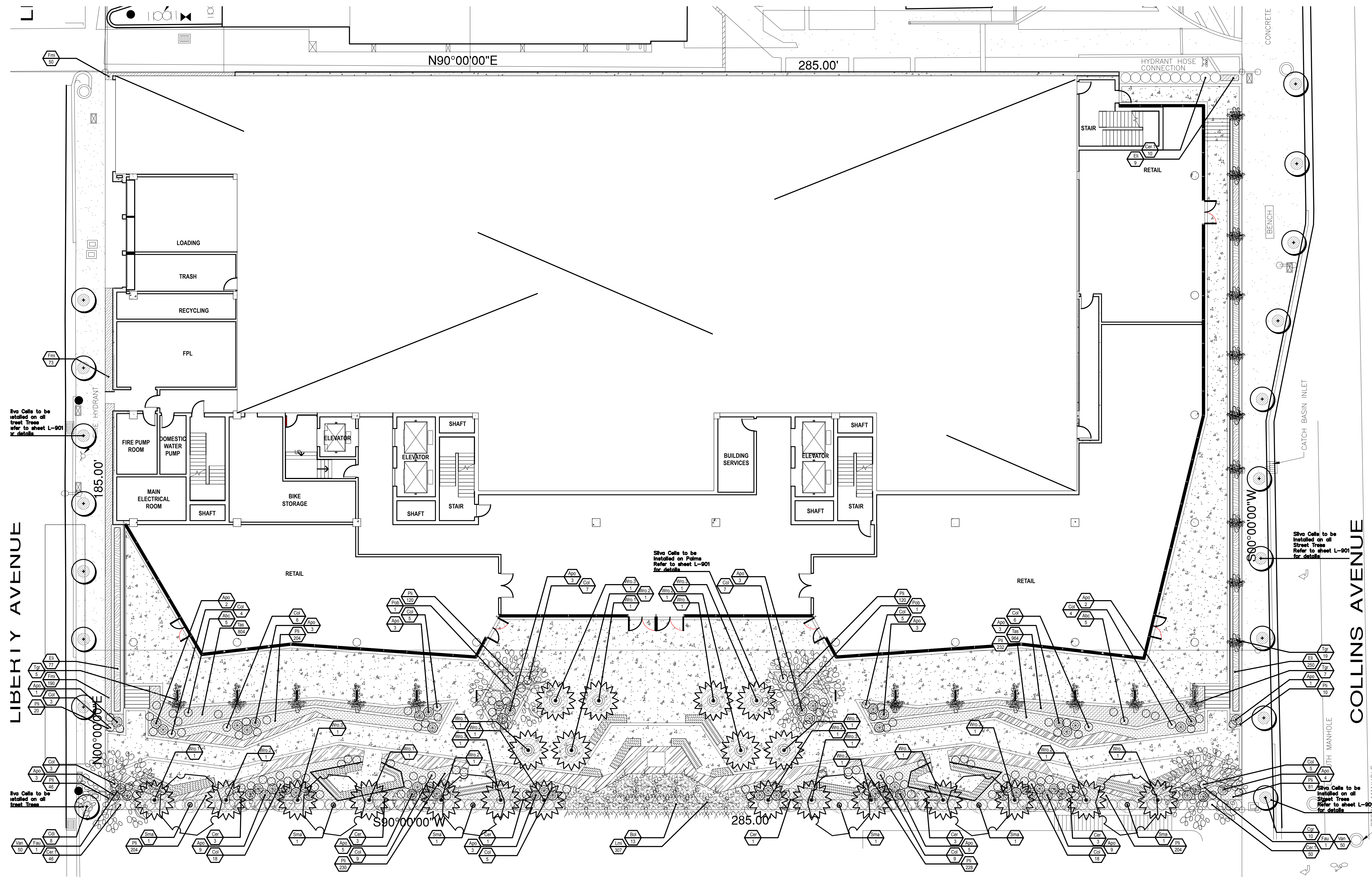
FERNANDO WONG

OUTDOOR LIVING DESIGN

Starwood

Exisitng Trees and Palms						Disposition	Comments
Number	Scientific Name	Common Name	D&H (inches)	HEIGHT (feet)	SPREAD (feet)		
1	Coccoloba uvifera	Seagrape	15	16	22	Remove	Good
2	Coccoloba uvifera	Seagrape	8	15	18	Remove	Moderate
3	Coccoloba uvifera	Seagrape	13	19	20	Remove	Moderate
4	Norhonia emarginata	Madagascar Olive	21	16	22	Remove	Good
5	Sabal palmetto	Sabal Palm	0	0	9	Remove	Good
6	Conocarpus erectus	Green Buttonwood	5	14	18	Remove	Moderate
7	Conocarpus erectus	Green Buttonwood	6	12	20	Remove	Moderate
8	Coccoloba uvifera	Seagrape	4	10	9	Remove	Poor
9	Conocarpus erectus	Green Buttonwood	15	25	25	Remove	Good
10	Conocarpus erectus	Green Buttonwood	9	25	22	Remove	Good
11	Sabal palmetto	Sabal Palm	14	8	14	Remove	Good
12	Conocarpus erectus	Green Buttonwood	10	25	25	Remove	Good
13	Conocarpus erectus	Green Buttonwood	9	25	25	Remove	Good
14	Coccoloba diversifolia	Pigeon Plum	7	13	15	Remove	Good
15	Conocarpus erectus	Green Buttonwood	10	25	30	Remove	Good
16	Conocarpus erectus	Green Buttonwood	7	25	22	Remove	Good
17	Conocarpus erectus	Green Buttonwood	10	28	42	Remove	Good
18	Coccoloba diversifolia	Pigeon Plum	7	14	12	Remove	Good
19	Coccoloba uvifera	Seagrape	14	25	30	Remove	Good
20	Coccoloba uvifera	Seagrape	4	12	15	Remove	Moderate
21	Coccoloba uvifera	Seagrape	10	22	23	Remove	Good
22	Sabal palmetto	Sabal Palm	14	9	12	Remove	Good
23	Sabal palmetto	Sabal Palm	13	13	16	Remove	Good
24	Sabal palmetto	Sabal Palm	13	10	12	Remove	Good
25	Sabal palmetto	Sabal Palm	11	12	14	Remove	Good
26	Sabal palmetto	Sabal Palm	12	13	14	Remove	Good
27	Sabal palmetto	Sabal Palm	14	12	14	Remove	Good
28	Sabal palmetto	Sabal Palm	13	12	12	Remove	Good
29	Sabal palmetto	Sabal Palm	12	12	12	Remove	Good
30	Sabal palmetto	Sabal Palm	14	12	14	Remove	Good
31	Sabal palmetto	Sabal Palm	11	10	16	Remove	Good
32	Sabal palmetto	Sabal Palm	14	10	14	Remove	Good
33	Coccoloba uvifera	Seagrape	15	22	40	Remove	Moderate
34	Coccoloba uvifera	Seagrape	15	22	24	Remove	Good
35	Coccoloba uvifera	Seagrape	16	22	25	Remove	Good
36	Conocarpus erectus	Green Buttonwood	8	30	20	Remove	Good
37	Conocarpus erectus	Green Buttonwood	11	30	34	Remove	Good
38	Coccoloba diversifolia	Pigeon Plum	4	14	8	Remove	Dead
39	Conocarpus erectus	Green Buttonwood	10	30	25	Remove	Good
40	Conocarpus erectus	Green Buttonwood	9	25	23	Remove	Good
41	Conocarpus erectus	Green Buttonwood	8	32	24	Remove	Good
42	Conocarpus erectus	Green Buttonwood	7	20	20	Remove	Good
43	Conocarpus erectus	Green Buttonwood	12	30	24	Remove	Good
44	Coccoloba uvifera	Seagrape	23	25	30	Remove	Good
45	Coccoloba uvifera	Seagrape	13	18	18	Remove	Moderate
46	Coccoloba uvifera	Seagrape	23	24	30	Remove	Poor
47	Unknown	Unknown	4	12	5	Remove	Dead
48	Conocarpus erectus 'Sericeus'	Silver Buttonwood	1	8	8	Remove	Good
49	Unknown	Unknown	2	12	3	Remove	Dead
50	Unknown	Unknown	3	12	3	Remove	Dead
51	Coccoloba diversifolia	Pigeon Plum	8	12	12	Remove	Poor
52	Coccoloba diversifolia	Pigeon Plum	5	12	12	Remove	Good
53	Sabal palmetto	Sabal Palm	13	13	12	Remove	Good
54	Sabal palmetto	Sabal Palm	13	13	12	Remove	Good
55	Sabal palmetto	Sabal Palm	11	12	10	Remove	Good
56	Sabal palmetto	Sabal Palm	13	12	12	Remove	Good
57	Sabal palmetto	Sabal Palm	16	13	12	Remove	Good
58	Coccoloba diversifolia	Pigeon Plum	14	14	12	Remove	Moderate
59	Coccoloba diversifolia	Pigeon Plum	17	12	12	Remove	Poor
60	Coccoloba diversifolia	Pigeon Plum	7	14	12	Remove	Moderate
61	Coccoloba diversifolia	Pigeon Plum	14	15	15	Remove	Good
62	Coccoloba diversifolia	Pigeon Plum	5	13	12	Remove	Good
63	Coccoloba diversifolia	Pigeon Plum	7	13	12	Remove	Good
Note: Trees and Palms will be donated to the City of Miami Beach							
Pending coordination with Parks and Recreation and Urban Forestry.							





LANDSCAPE LIST SHEET L-100			
TREES			
SYMBOL	QUAN.	PROPOSED MATERIAL	DESCRIPTION
Cdi	8	"Coccoloba diversifolia	14" O.A. HT., 7" C.T., 6" SPR.
		PIGEON PLUM TREE	F.G. FLORIDA GRADE #1
Cer	14	"Coccoloba diversifolia	12" O.A. HT., 5" C.T., 6" SPR., 2" CALIPER
		GREEN BUTTWOOD TREE	45 GAL. FLORIDA GRADE #1
Cgr	10	"Caesalpinia granadillo	14" O.A. HT., 7" C.T., 6" SPR.
		BIRCH VIL TREE	F.G. FLORIDA GRADE #1
Fau	2	Ficus aurea	18" O.A. HT., 8" C.T., 12" SPR.
		STRANGLER FIG	F.G. - SPECIMEN TO BE COLLECTED
Pob	2	Plumeria obtusa 'Singapore'	6" O.A. HT., 4" C.T., 6" SPR.
		WHITE FRANGIPANI	65 GAL.
Sma	6	"Swietenia mahagoni	18" O.A. HT., 8" C.T., 16" SPR.
		MAHOGANY TREE	F.G. FLORIDA GRADE #1

PALMS			
SYMBOL	QUAN.	PROPOSED MATERIAL	DESCRIPTION
Wro.1	8	Washingtonia robusta	18" GW, 28" O.A. PLANTED HT., 10" SPR.
		WASHINGTON PALM	F.G.
Wro.2	8	Washingtonia robusta	24" GW, 34" O.A. PLANTED HT., 10" SPR.
		WASHINGTON PALM	F.G.
Wro.3	6	Washingtonia robusta	30" GW, 38" O.A. PLANTED HT., 10" SPR.
		WASHINGTON PALM	F.G.

SHRUBS, GROUNDCOVERS & ACCENTS			
SYMBOL	QUAN.	PROPOSED MATERIAL	DESCRIPTION
Abc	10	Aechmea 'Black Chantini'	24" O.C. X 24" O.A. PLANTED HT.
		Black Chantini Bromeliad	3 GAL.
Apo	62	Alcassia 'Portadora'	24" O.C. X 24" O.A. PLANTED HT.
		ALCASSIA/PORTADORA	7 GAL.
Bol	13	Bambusa oldhami	5" O.C. X 20" O.A. PLANTED HT. HEAVY CLUMP
		OLDHAMI BAMBOO	45 GAL.
Cer.1	106	"Coccoloba diversifolia	30" O.C. X 6" O.A. PLANTED HT., 36" SPR.
		GREEN BUTTWOOD	15 GAL.
Col	114	Colocasia esculenta 'Royal Hawaiian Black Coral'	12" O.C.
		BLACK COLOCASIA	3 GAL.
Eli	336	"Erinodes littoralis	12" O.C. X 24" SPR
		GOLDEN BEACH CREEPER	3 GAL.
Fmi	313	Ficus microcarpa	10" O.C.
		GREEN ISLAND FIGUS	3 GAL.
Lmu	307	Liriope muscari	12" O.C.
		LILY TURF	3 GAL.
Pli	1,699	Pilea microphylla	12" O.C.
		ROCKWEED	3 GAL.
Tas	1,768	Trachelospermum asiaticum 'Minima'	6" O.C.
		ASIATIC JASMINE	4" CELL
Tgr	31	Thunbergia grandiflora 'alba'	48" O.A. HT.
		SKY VINE	7 GAL. TRAINED ON COLUMN W/ BLOOMS
Van	100	Vanda spp.	MOUNTED TO TREE
		VANDA ORCHID	1 GAL., PURPLE, PINK, WHITE

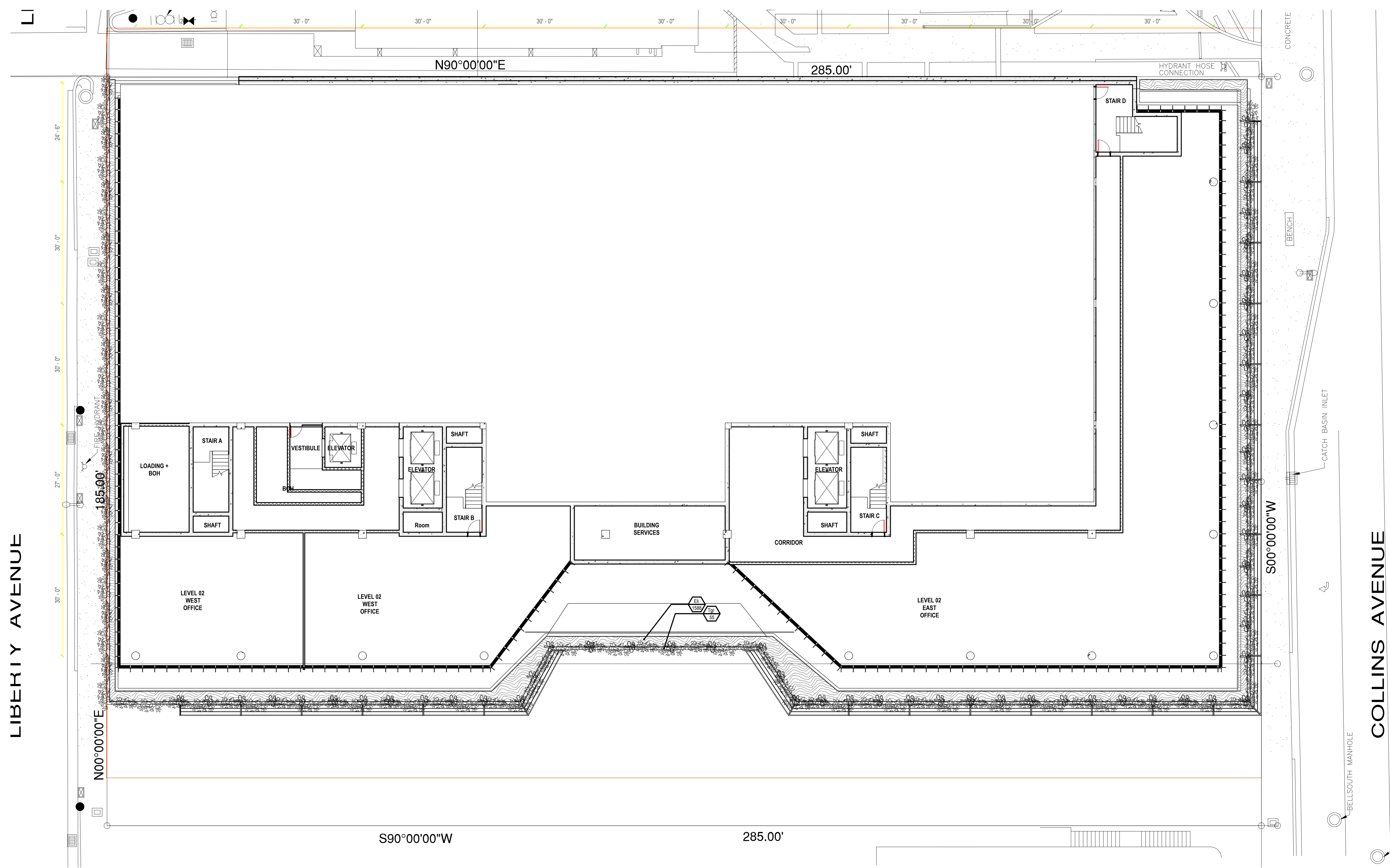
MULCH			
BAGS	SQ. FT.	PROPOSED MATERIAL	DESCRIPTION
279	3,344	FloriMulch	2" THICK
25	444	Pest Moss	1" THICK, 1.5 CU. FT.
			APPLIED UNDERNEATH THE JASMINE MINIMA

\* DENOTES NATIVE SPECIES

SCALE: 3/32" = 1'-0"







LANDSCAPE LIST SHEET L-200			
SHRUBS			
SYMBOL	QUAN.	PROPOSED MATERIAL	DESCRIPTION
Tgr	55	Thunbergia grandiflora 'aloe'	48" O.A. HT.
Eli	1,588	SKY VINE	7 GAL. TRAINED ON COLUMN W/ BLOOMS
		*Ernodea littoralis	12" O.C. 24" SPR
		GOLDEN BEACH CREEPER	3 GAL.

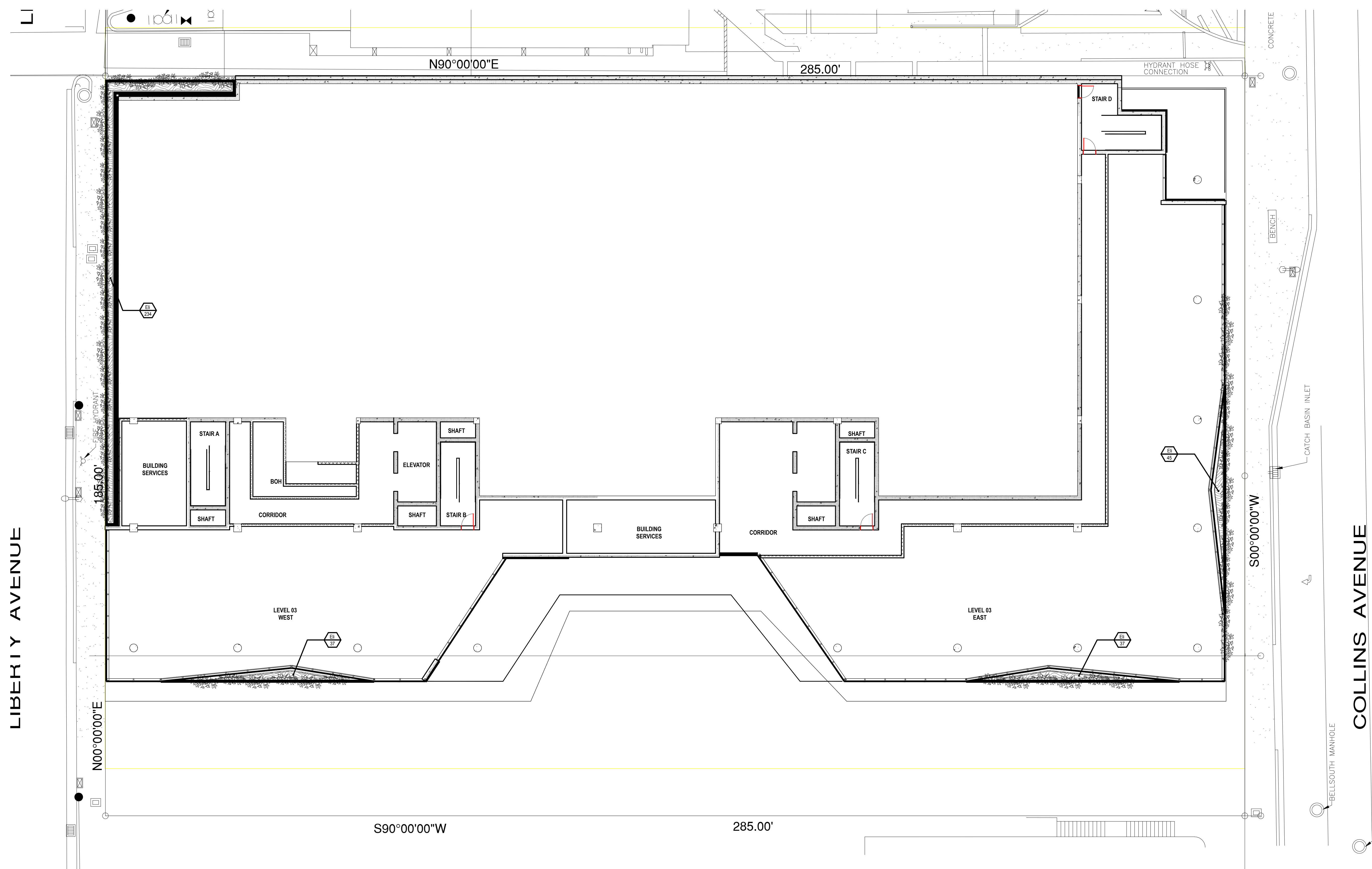
MULCH			
BAGS	SQ. FT.	PROPOSED MATERIAL	DESCRIPTION
133	1,588	Flormulch	2" THICK
			2 CU FT. BAGS

\* DENOTES NATIVE SPECIES

LIBERTY AVENUE

COLLINS AVENUE





LANDSCAPE LIST SHEET L-300			
SHRUBS			
SYMBOL	QUN.	PROPOSED MATERIAL	DESCRIPTION
Eli	353	*Eriodendron littoralis	12" O.C. 24" SPR
		GOLDEN BEACH CREEPER	3 GAL.

MULCH			
BAGS	SQ. FT.	PROPOSED MATERIAL	DESCRIPTION
30	353	Flormulch	2" THICK
			2 CU. FT. BAGS

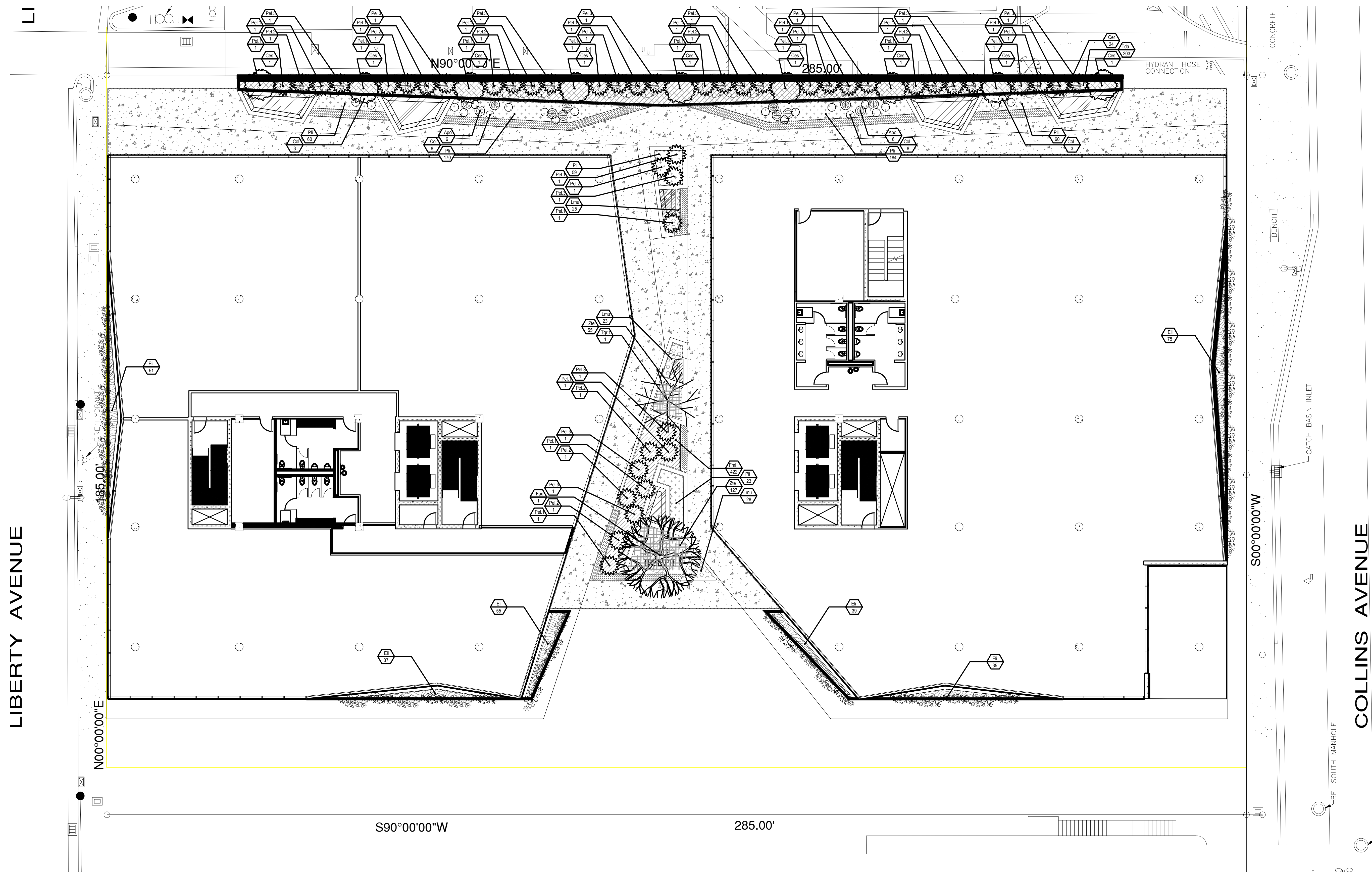
\* DENOTES NATIVE SPECIES


LIBERTY AVENUE




COLLINS AVENUE









SCALE: 3/32" = 1'-0"





LANDSCAPE LIST SHEET L-400				
TREES				
SYMBOL		QUAN.	PROPOSED MATERIAL	DESCRIPTION
	Cer	24	*Conocarpus erectus GREEN BUTTONTREE TREE	12' O.A. HT., 5' C.T., 6' SPR, 2" CALIPER
	Ces	9	*Conocarpus erectus 'serotenus' SILVER BUTTONTWOOD	45 GAL. FLORIDA GRADE #1 12' O.A. HT., 6' C.T., 12" SPR 45 GAL.
	Fau	1	Ficus aurea STRANGLER FIG	18' O.A. HT., 8' CT., 12" SPR F.G. - SPECIMEN TO BE COLLECTED
	Tgr.1	1	Tibouchina granulosa YESTERDAY, TODAY, TOMORROW	8' O.A. HT., 4' C.T., 8' SPR. 30 GAL

PALMS				
SYMBOL		QUAN.	PROPOSED MATERIAL	DESCRIPTION
	Pel.1	21	Ptychosperma elegans ALEXANDER PALM	14' O.A. HT., 10' SPR. F.G.
	Pel.2	12	Ptychosperma elegans ALEXANDER PALM	20' O.A. HT., 10' SPR. F.G.
	Pel.3	12	Ptychosperma elegans ALEXANDER PALM	28' O.A. HT., 10' SPR. F.G.

SHRUBS, GROUNDCOVERS & ACCENTS				
SYMBOL		QUAN.	PROPOSED MATERIAL	DESCRIPTION
	Apo	12	Alcacia 'Portadora' ALOCASIA PORTADORA	24" O.C. 24" O.A. PLANTED HT. 7 GAL.
	Col	22	Colocasia esculenta 'Royal Hawaiian Black Coral' BLACK COLOCASIA	12" O.C. 3 GAL.
	Eli	292	*Ernodea littoralis GOLDEN BEACH CREEPER	12" O.C. 24" SPR 3 GAL.
	Fmi	422	Ficus microcarpa 'Green Island' GREEN ISLAND FICUS	10" O.C. 3 GAL.
	Lmu	76	Liriope muscari LILY TURF	12" O.C. 1 GAL.
	Pli	556	Pilea microphylla ROCKWEED	12" O.C. 3 GAL.
	Tda	203	*Tripsacum dactyloides FAKAHATCHEE GRASS	24" O.A. HT. 3 GAL.
	Zte	203	Zoysia tenuifolia MASCARENE GRASS	6" O.C. 1 GAL.

MULCH			
BAGS	SQ. FT.	PROPOSED MATERIAL	DESCRIPTION
185	2,218	Florimulch	2" THICK 2 CU. FT. BAGS

\* DENOTES NATIVE SPECIES

LIBERTY AVENUE

COLLINS AVENUE





LANDSCAPE LIST SHEET L-500			
SHRUBS			
SYMBOL	QTY	PROPOSED MATERIAL	DESCRIPTION
Eli	1,073	*Errodes littoralis	12" O.C. 24" SPR
		GOLDEN BEACH CREEPER	3 GAL

MULCH			
BAGS	SO.FT	PROPOSED MATERIAL	DESCRIPTION
90	1,073	Flormulch	2" THICK
			2 CU FT. BAGS

\* DENOTES NATIVE SPECIES

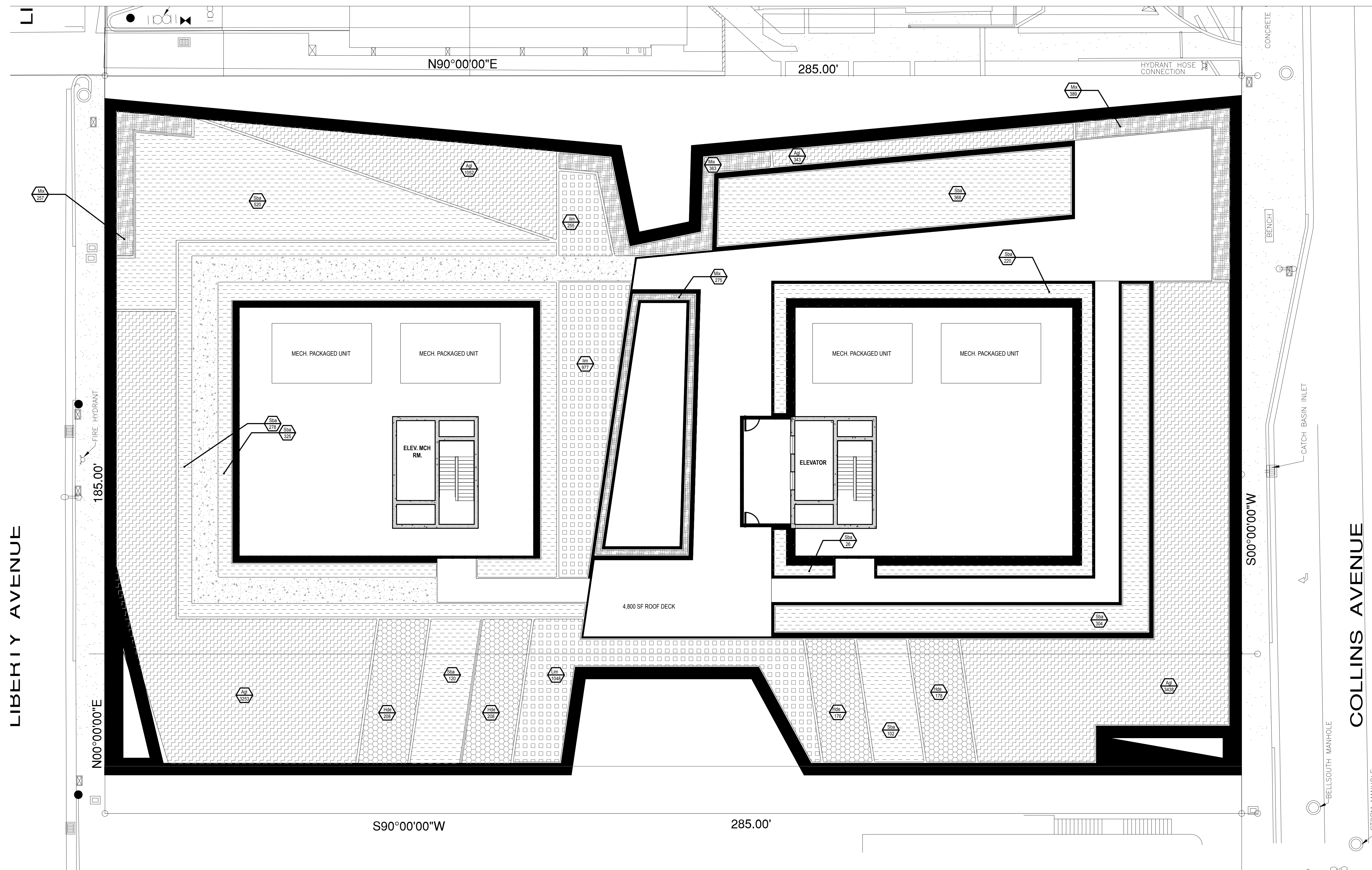
LIBERTY AVENUE

COLLINS AVENUE









LANDSCAPE LIST SHEET L-700			
SHRUBS & GROUNDCOVERS			
SYMBOL	QUAN	PROPOSED MATERIAL	DESCRIPTION
Agl	8,086	Arachis glabrata	12" O.C.
		PERENNIAL PEANUT	1 GAL.
lim	2,280	*Iva imbricata	12" O.C.
		BEACH ELDER	1 GAL.
		*Ipomoea imperati	12" O.C.
Mix	642	WHITE BEACH MORNING GLORY	1 GAL.
		*Canavalia rosea	12" O.C.
	642	BEACH BEAN	1 GAL.
Sba	1,895	*Spartina bakeri	24 O.C. 24" O.A. HT.
		SAND CORN GRASS	3 GAL.
Hde	770	*Helianthus debilis	18" O.C.
		BEACH SUNFLOWER	1 GAL.

MULCH			
BAGS	SQ. FT.	PROPOSED MATERIAL	DESCRIPTION
1,747	20,960	Florimulch	2" THICK 2 CU FT. BAGS

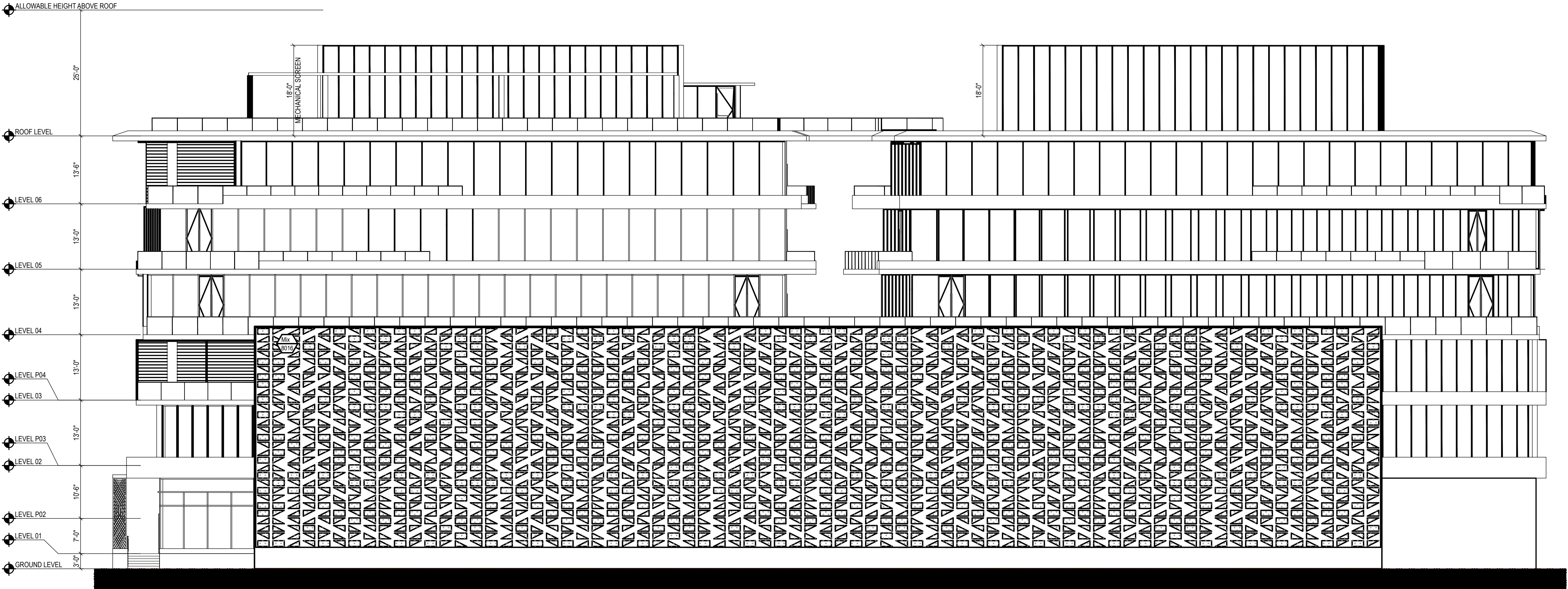
\* DENOTES NATIVE SPECIES

LIBERTY AVENUE

COLLINS AVENUE



LANDSCAPE LIST SHEET L-701			
SHRUBS & GROUNDCOVERS			
SYMBOL		QUAN.	PROPOSED MATERIAL
	Mix	1,336	Anacardium occidentale
			PERENNIAL PEANUT
		1,336	*Eriosema littoralis
			GOLDEN BEACH CREEPER
		1,336	*Ilex imbricata
			BEACH ELDER
		1,336	*Ipomoea imperati
			WHITE BEACH MORNING GLORY
		1,336	*Canavalia rosea
			BEACH BEAN
		1,336	*Helianthus debilis
			BEACH SUNFLOWER



SCALE: 3/32" = 1'-0"



PLANTING NOTES: (See plant specification and details for additional standards)

-All plant material is to be Florida Number 1 or better pursuant to the Florida Department of Agriculture's Grades and Standards for Nursery Plants.

-All plants are to be top dressed with a minimum 3" layer of Melaleuca mulch, Eucalyptus mulch or equal.

-Planting plans shall take precedence over plant list in case of discrepancies.

-No changes are to be made without the prior consent of the Landscape Architect and Owner. Additions and or deletions to the plant material must be approved by the project engineer.

-Landscape Contractor is responsible for providing their own square footage takeoffs and field verification for 100% sod coverage for all areas specified.

- All landscape areas are to be provided with automatic sprinkler system which provide 100% coverage, and 50% overlap.

- All trees in lawn areas are to receive a 24" diameter mulched saucer at the base of the trunk.

- No mulch, fill or soil will be placed over the rootballs or within 4" of the trunks of the newly installed trees, and the trees will be installed at or slightly above the soil grade.

- All straps, poles and braces shall be removed from all of the installed trees and palms within the 1-year of planting.

- No changes are to be made without the prior consent of the Landscape Architect, owner, City Urban Forester and City Planning Department. Additions and or deletions to the plant material must be approved per the Project Engineer, City Urban Forester and City Planning Department.

- Maintenance on all planters that cannot be serviced within the building will be maintained twice a year as needed. The usage of Golden Creeper was designated for these planters due to its durability and low maintenance.

- Trees are to be planted within parking islands after soil is brought up to grade. Deeply set root balls are not acceptable.

- Planting soil for topsoil and backfill shall be 50/50 mix, nematode free. Planting soil for annual beds to be comprised of 50% Canadian peat moss, 25% salt free coarse sand and 25% Aerolite.

- Tree and shrub pits will be supplemented with "Agriform Pells", 21 gram size with a 20-10-5 analysis, or substitute application accepted by Landscape Architect. Deliver in manufacturer's standard containers showing weight, analysis and name of manufacturer.

- Tree protection fences shall be constructed prior to any construction activity including grubbing for all trees/palms to remain or be relocated. The fences should be of sturdy construction, 4x4 posts with wire mesh. Fences must be intact until the project is completed. They should not be removed or dropped for any reason without authorization from the city Urban Forester. No activity or disturbance should occur within the fenced areas, including vehicle use, storage of materials, dumping of liquids or materials, grade changes, grubbing and mechanical trenching for irrigation, electrical and lighting, etc.

GENERAL NOTES




-The Landscape Contractor is to locate and verify all underground and overhead utilities prior to beginning work. Contact proper utility companies and / or General Contractor prior to digging for field verification. The Owner and the Landscape Architect shall not be responsible for any damages to utility or irrigation lines (see Roadway Plans for more utility notes).

-Landscape Contractor is to verify all current drawings and check for discrepancies and bring to the attention of the Landscape Architect prior to commencing with the work.

-All unattended and unplanted tree pits are to be properly barricaded and flagged during installation.

-All planting plans are issued as directives for site layout. Any deviations, site changes, etcetera are to be brought to the attention of the Landscape Architect for clarification prior to installation.

OVERALL LANDSCAPE LIST			
TREES			
SYMBOL		QUAN.	PROPOSED MATERIAL DESCRIPTION
	Cdi	8	"Coccoloba diversifolia PIGEON PLUM TREE
	Cer	38	"Conocarpus erectus GREEN BUTTONWOOD TREE
	Ces	9	"Conocarpus erectus 'senecus' SILVER BUTTONWOOD
	Cgr	10	"Caesalpinia granadillo BRIDALVEIL TREE
	Fau	3	Ficus aurea STRANGLER FIG
	Pel.1	21	Ptychosperma elegans ALEXANDER PALM
	Pel.2	12	Ptychosperma elegans ALEXANDER PALM
	Pel.3	12	Ptychosperma elegans ALEXANDER PALM
	Pob	2	Plumeria obtusa 'Singapore' WHITE FRANGIPANI
	Sma	6	"Swietenia mahagoni MAHOGANY TREE
	Tgr.1	1	Tibouchina granulosa YESTERDAY, TODAY, TOMORROW

PALMS			
SYMBOL		QUAN.	PROPOSED MATERIAL DESCRIPTION
	Wro.1	8	Washingtonia robusta WASHINGTON PALM
	Wro.2	8	Washingtonia robusta WASHINGTON PALM
	Wro.3	6	Washingtonia robusta WASHINGTON PALM

SHRUBS, GROUNDCOVERS & ACCENTS			
SYMBOL		QUAN.	PROPOSED MATERIAL DESCRIPTION
	Abc	10	Aechmea 'Black Chantini' Black Chantinii Bromeliad
	Agl	9,422	Arachis glabrata PERENNIAL PEANUT
	Apo	74	Alocasia 'Portadora' ALOCASIA PORTADORA
	Bol	13	Bambusa oldhamii OLDHAMII BAMBOO
	Cer.1	106	"Conocarpus erectus GREEN BUTTONWOOD
	Col	136	Colocasia esculenta 'Royal Hawaiian Black Coral' BLACK COLOCASIA
	Eli	6,034	"Ernodea littoralis GOLDEN BEACH CREEPER
	Fmi	735	Ficus microcarpa GREEN ISLAND FICUS
	Hde	2,106	"Helianthus debilis BEACH SUNFLOWER
	Iim	3,616	"Iva imbricata BEACH ELDER
	Lmu	383	Liriope muscari LILY TURF
	Mix	1,978	"Ipomoea imperali WHITE BEACH MORNING GLORY
	Pli	2,255	"Canavalia rosea BEACH BEAN
	Sba	1,895	Pilea microphylla ROCKWEED
	Tas	1,768	"Spartina bakeri SAND CORDGRASS
	Tda	203	Trachelospermum asiaticum 'Minima' ASIATIC JASMINE
	Tgr	86	"Tripsacum dactyloides FAKAHATCHEE GRASS
	Van	100	Thunbergia grandiflora 'alba' SKY VINE
	Zte	203	Vanda spp. VANDA ORCHID
			Zoysia tenuifolia MASCARENE GRASS

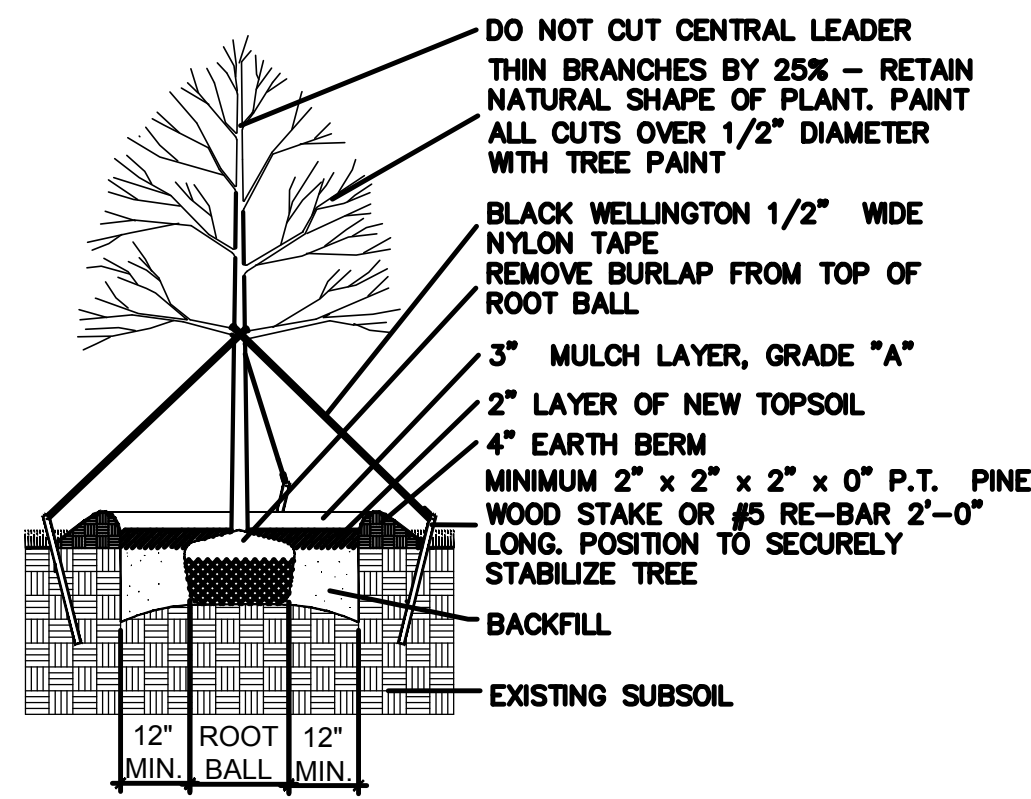
MULCH			
	BAGS	SQ.FT.	PROPOSED MATERIAL DESCRIPTION
	2,552	30,594	Florimulch 2 CU FT. BAGS
	25	444	Peat Moss 1" THICK
			APPLIED UNDERNEATH THE JASMINE MINIMA

\* DENOTES NATIVE SPECIES

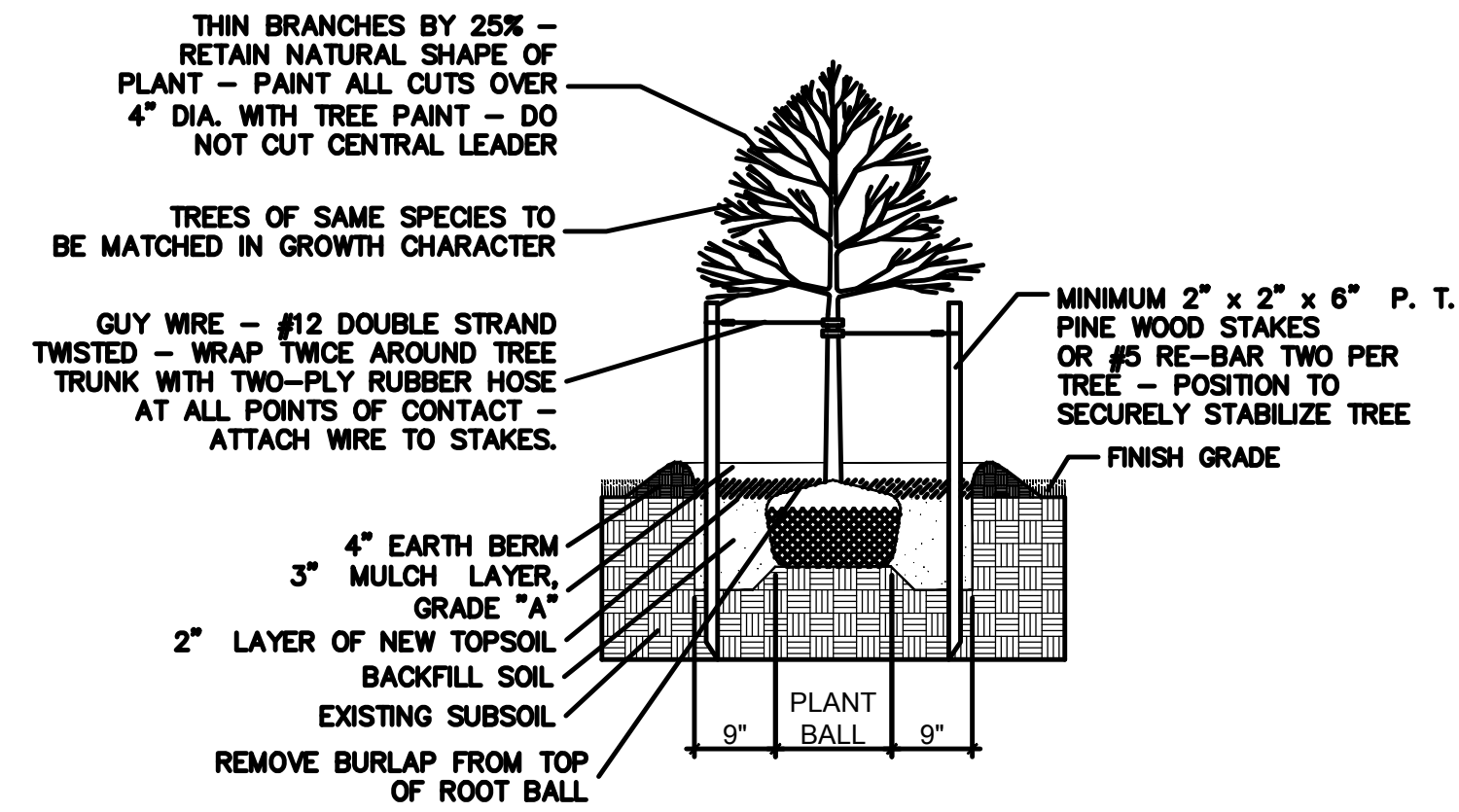
LANDSCAPE LEGEND Information Required to be Permanently Affixed to Plan Following City of Miami Beach Landscape Code			
Zoning District:	CD-3 (Commercial High Intensity)	Net Lot Area	1.20 acres 52,685 s.f.
PERVIOUS AREA			
Square Feet of pervious space at grade level: 3,788 sq ft. 7% of total site.			
Square Feet of pervious space above grade: 27,250 sq ft. 52% of total site.			
TREES			
A. No. trees required per s.f.		REQUIRED	PROVIDED
Less existing number of trees meeting minimum requirements			
22 Trees for each acre		22	22
1 Trees for Additional 1,000 sq ft.		9	37
18 Street trees. 1 Tree per 20 Linear Feet		18	18
TOTAL TREES		49	77
B. % Natives Required: No. trees provided x 30% =		15	53
C. Diversity of required tree species =		7	8
C. % Salt/Drought Tolerant Required: No. Trees provided x 50% =		25	53
SHRUBS			
A. No. trees required x 12 = No. of shrubs allowed		588	25,085
B. No. shrubs allowed x 50% = No. of native shrubs required		294	11,236
C. % Salt/Drought Tolerant Required: No. shrubs provided x 50% =		294	11,236
SEE OVERALL LANDSCAPE LIST			



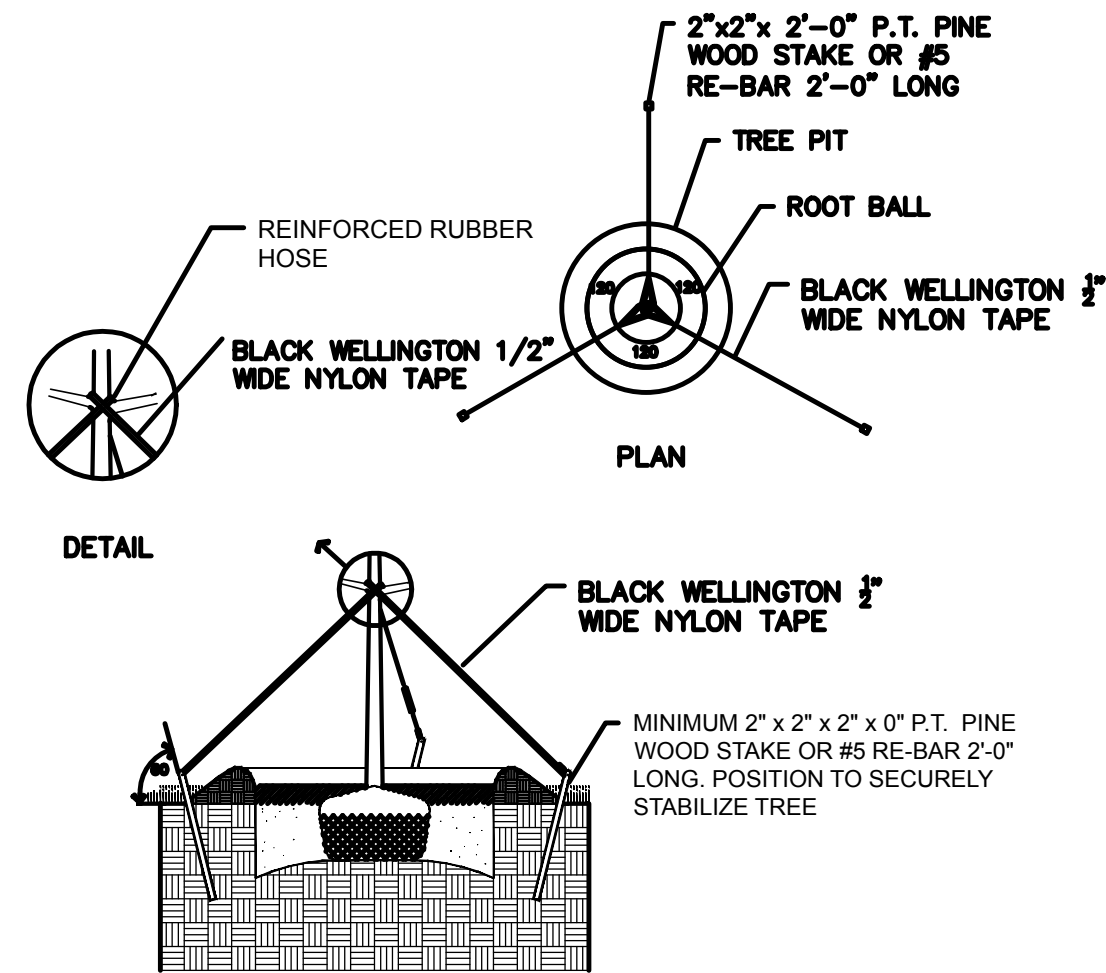




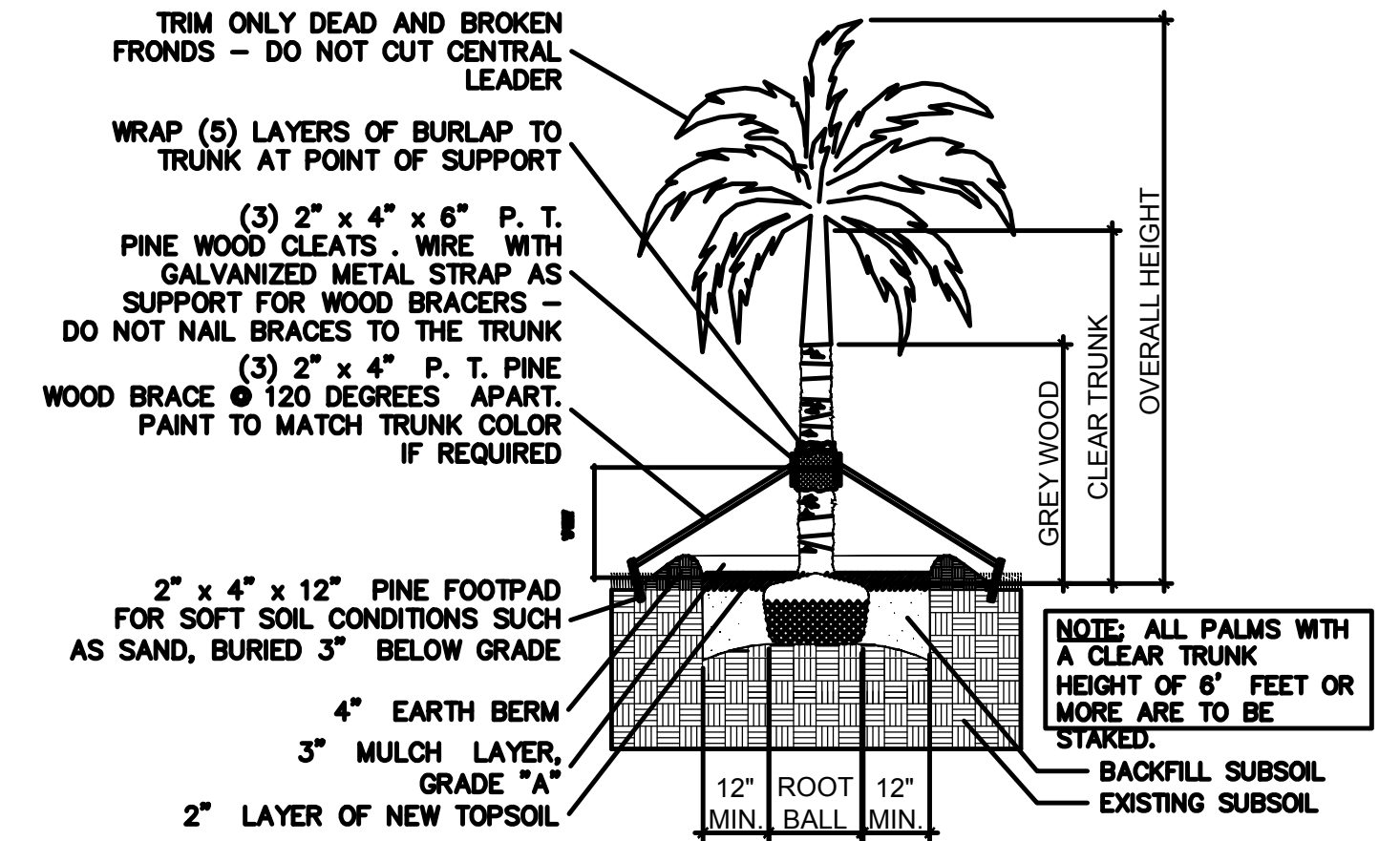
LARGE TREE PLANTING DETAIL



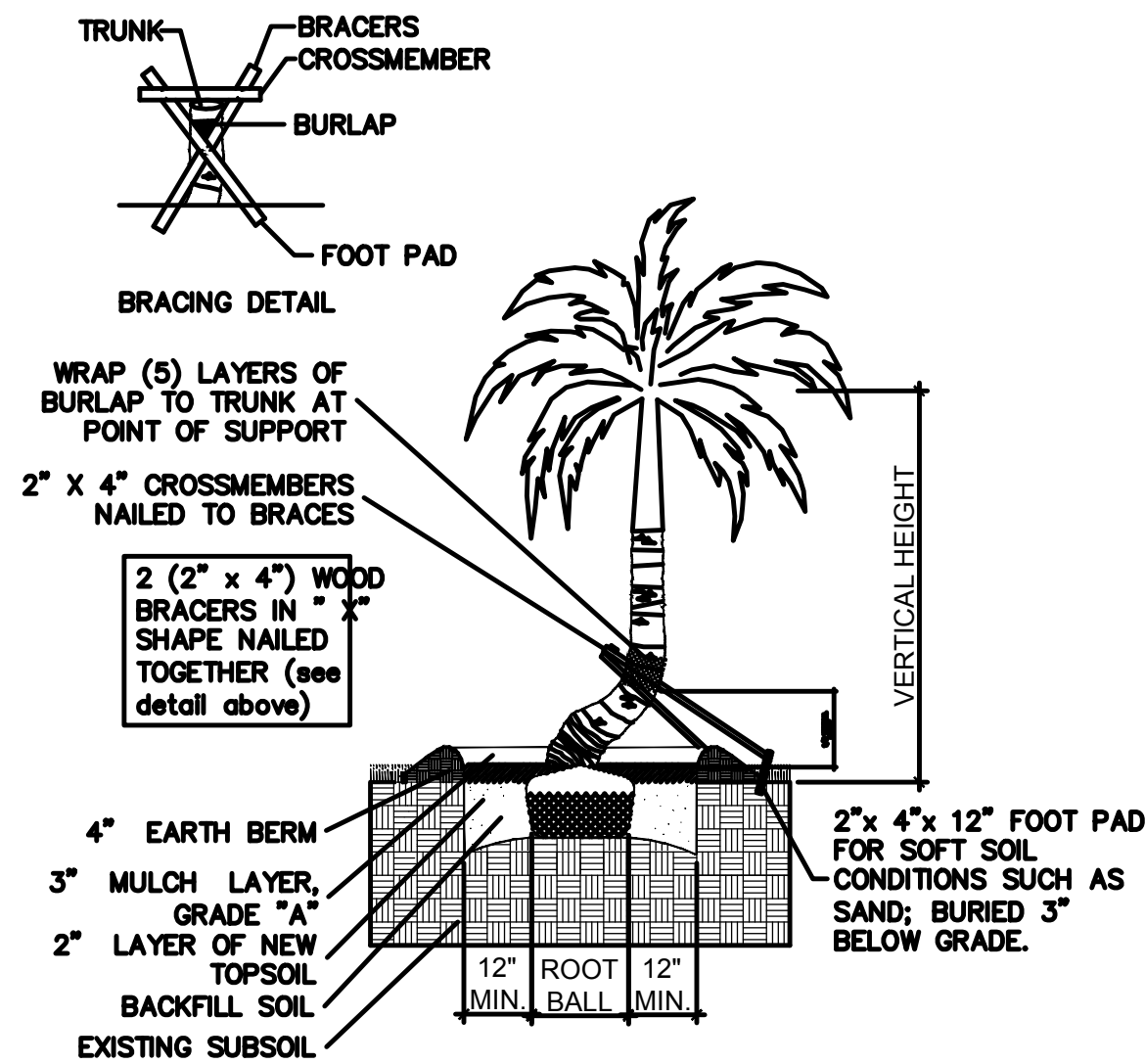
SMALL TREE PLANTING DETAIL



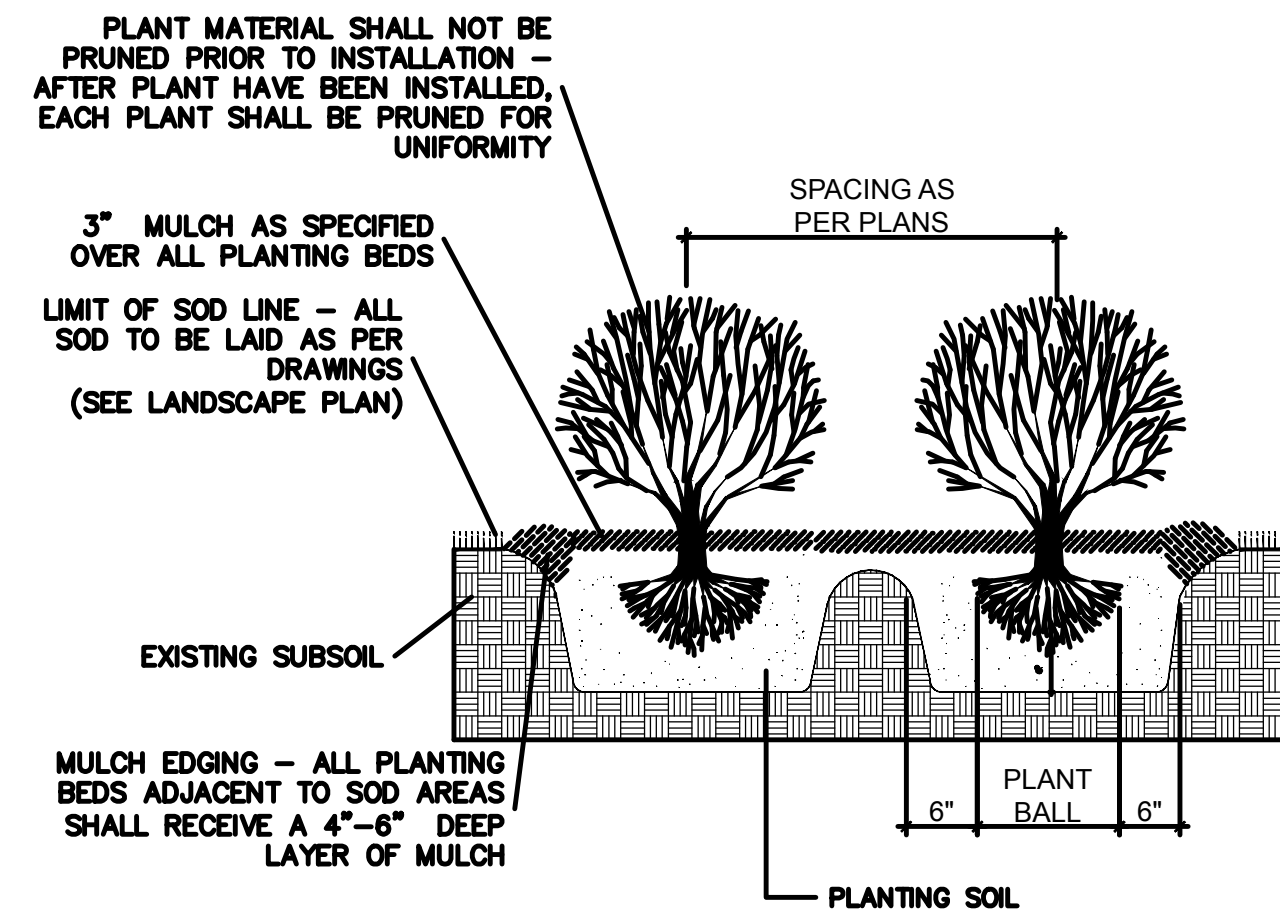
TYPICAL TREE GUYING DETAIL



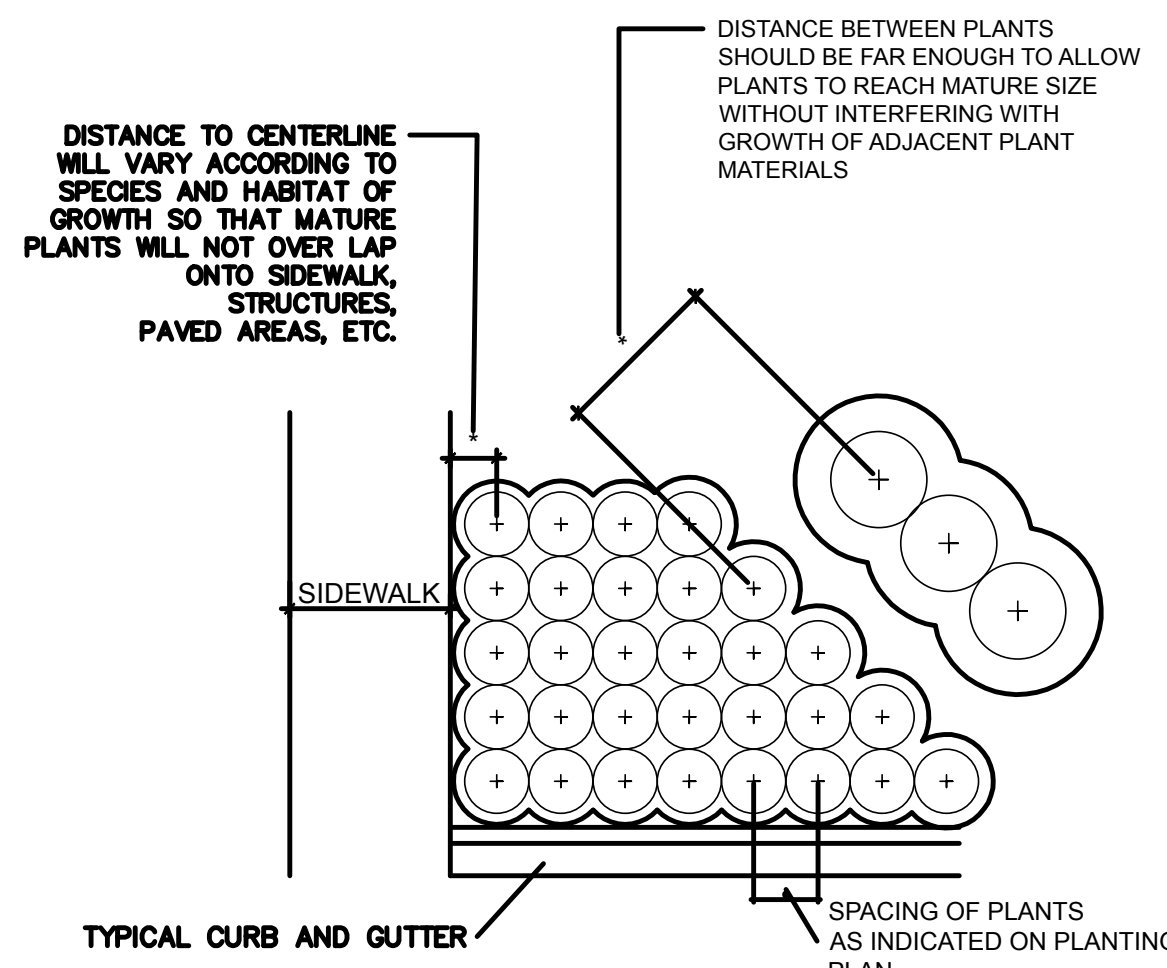
STRAIGHT TRUNK PALM PLANTING DETAIL



CURVED TRUNK PALM PLANTING DETAIL

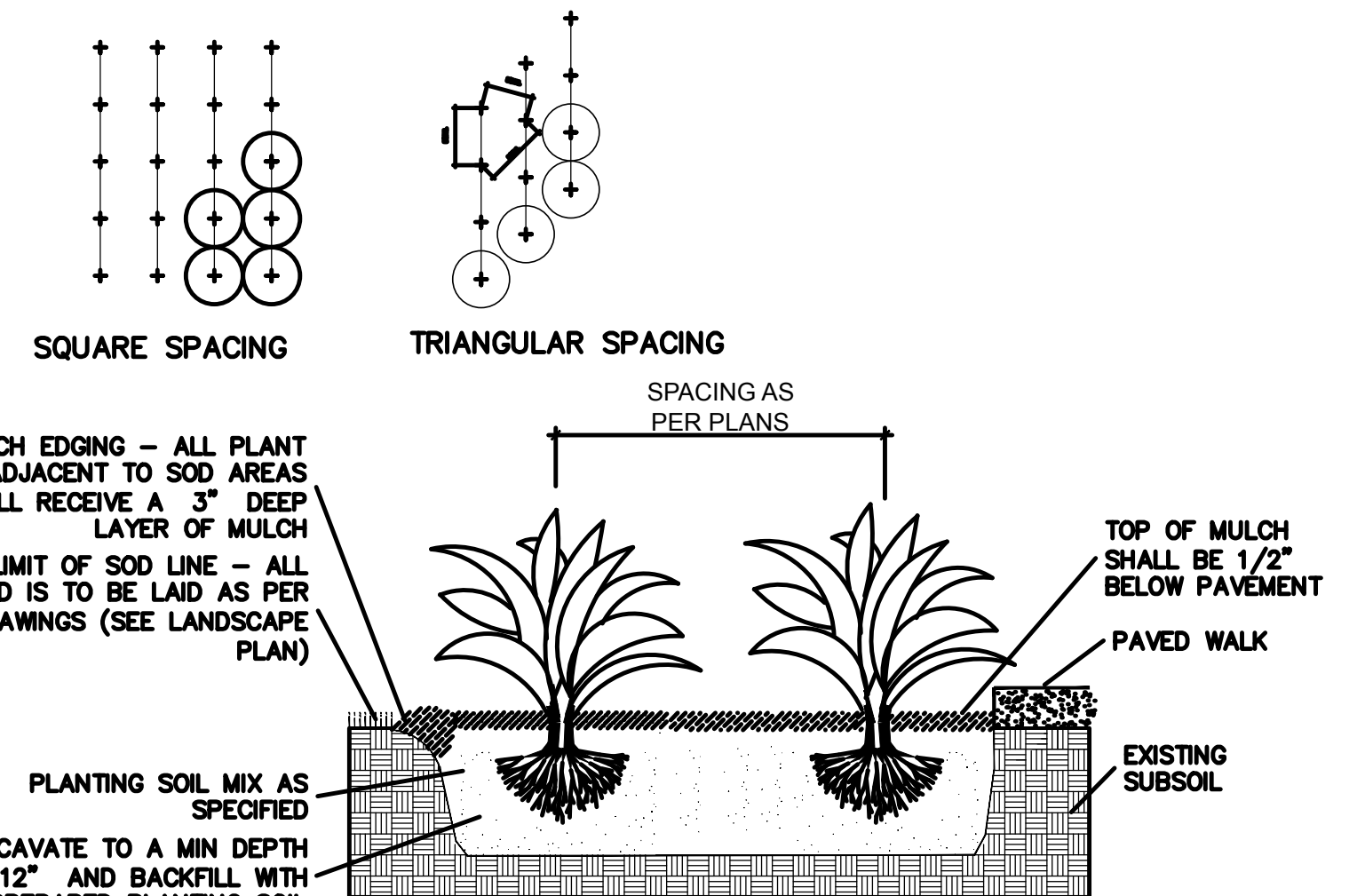


TYPICAL SHRUB PLANTING DETAIL

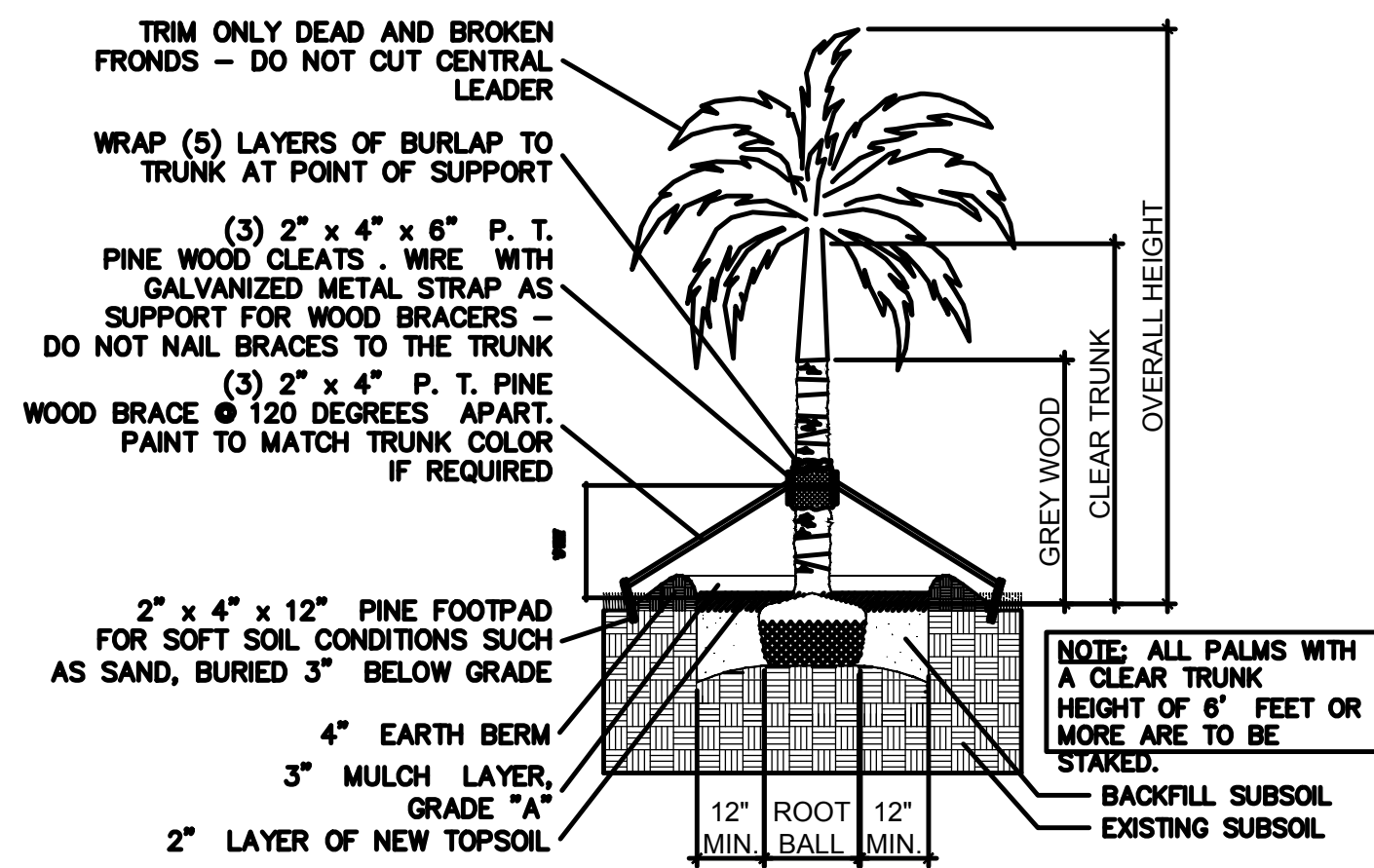


TYPICAL CONTAINER SPACING DETAIL

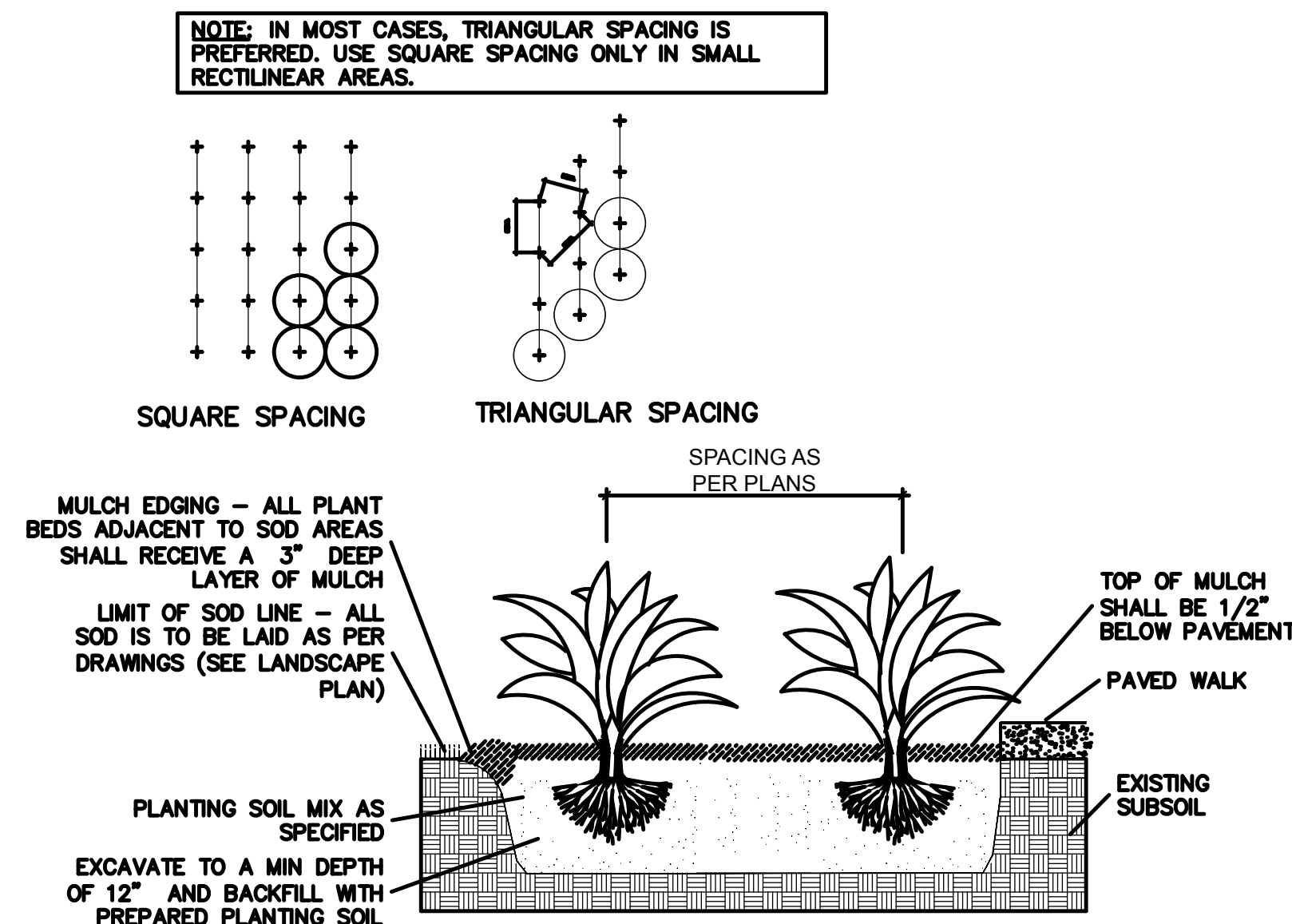
NOTE: IN MOST CASES, TRIANGULAR SPACING IS PREFERRED. USE SQUARE SPACING ONLY IN SMALL RECTILINEAR AREAS.



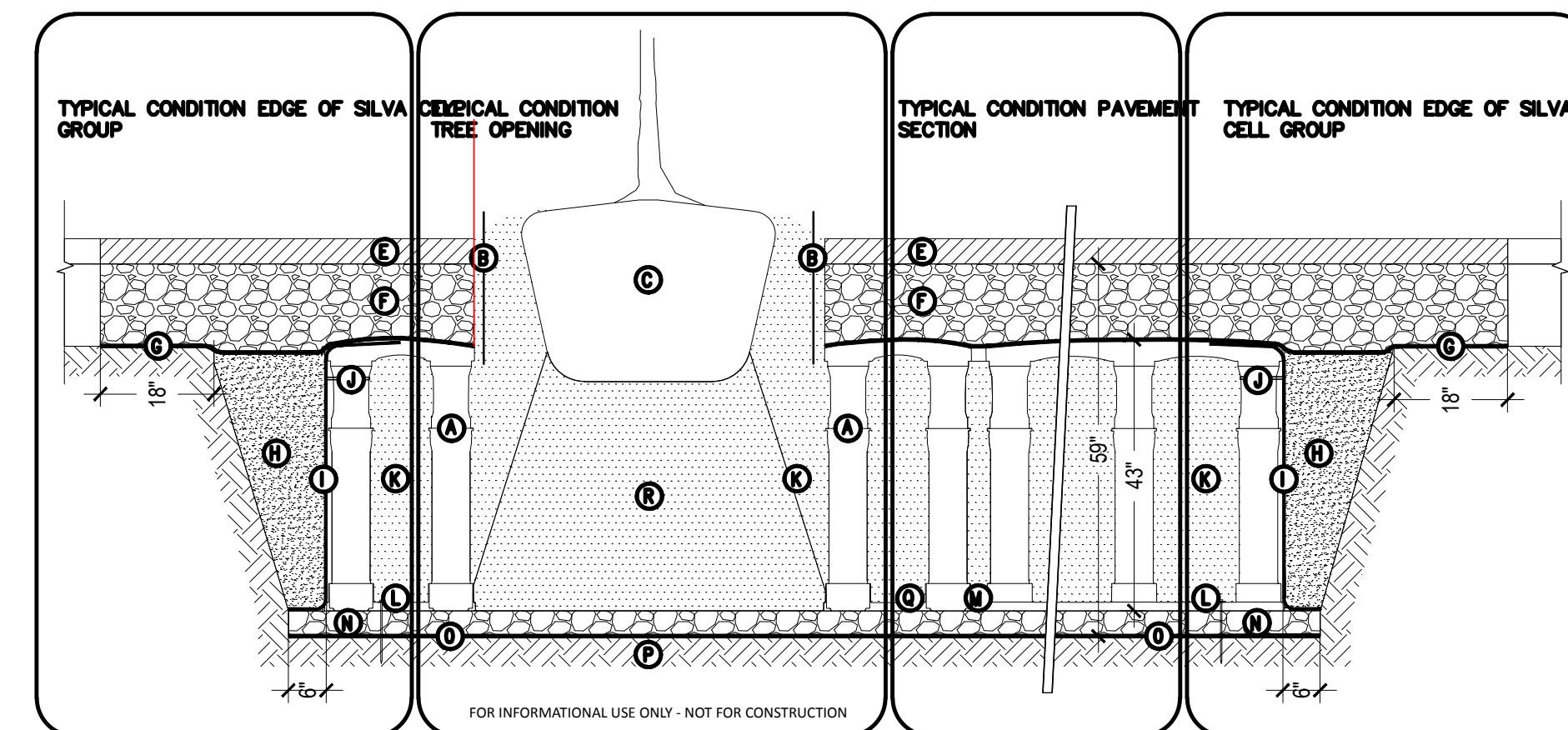
TYPICAL GROUNDCOVER PLANTING DETAIL



STRAIGHT TRUNK PALM PLANTING DETAIL



TYPICAL GROUNDCOVER PLANTING DETAIL



TYPICAL SILVA CELLS DETAIL

#### KEY PLAN

- ① SILVA CELL SYSTEM (DECK, BASE, AND POSTS)
- ② DEEPROOT UB24-2 ROOT BARRIER. INSTALL DIRECTLY ADJACENT TO CONCRETE EDGE RESTRAINT
- ③ TREE ROOT PACKAGE, SIZE VARIES
- ④ PAVERS OR ASPHALT, PER PROJECT
- ⑤ 12" MIN AGGREGATE BASE COURSE
- ⑥ GEOTEXTILE 18" MIN OVERLAP PAST EXCAVATION
- ⑦ BACKFILL, PER PROJECT SPECIFICATIONS
- ⑧ GEOTEXTILE TO LINE PERIMETER OF SYSTEM WITH 6" TOE (OUTWARD FROM BASE) AND 12" EXCESS (OVER TOP OF DECK)
- ⑨ CABLE TIE, ATTACHING GEOTEXTILE TO SILVA CELL AT BASE OF UPPER LEG FLARE

- ⑩ PLANTING SOIL, PER PROJECT SPECIFICATIONS. COMPACTED TO 70-80% PROCTOR.
- ⑪ PIN, PER SILVA CELL SPECIFICATIONS
- ⑫ 1" TO 4" SPACING BETWEEN SILVA CELLS AT BASE
- ⑬ 4" MIN AGGREGATE SUB BASE, COMPACTED TO 95% PROCTOR
- ⑭ GEOTEXTILE FABRIC, PLACED BELOW AGGREGATE SUB BASE
- ⑮ SUBGRADE, COMPACTED TO 95% PROCTOR
- ⑯ SILVA CELL BASE SLOPE, 7% MAX
- ⑰ PLANTING SOIL BELOW TREE ROOT PACKAGE, COMPACTED TO 85-90% PROCTOR

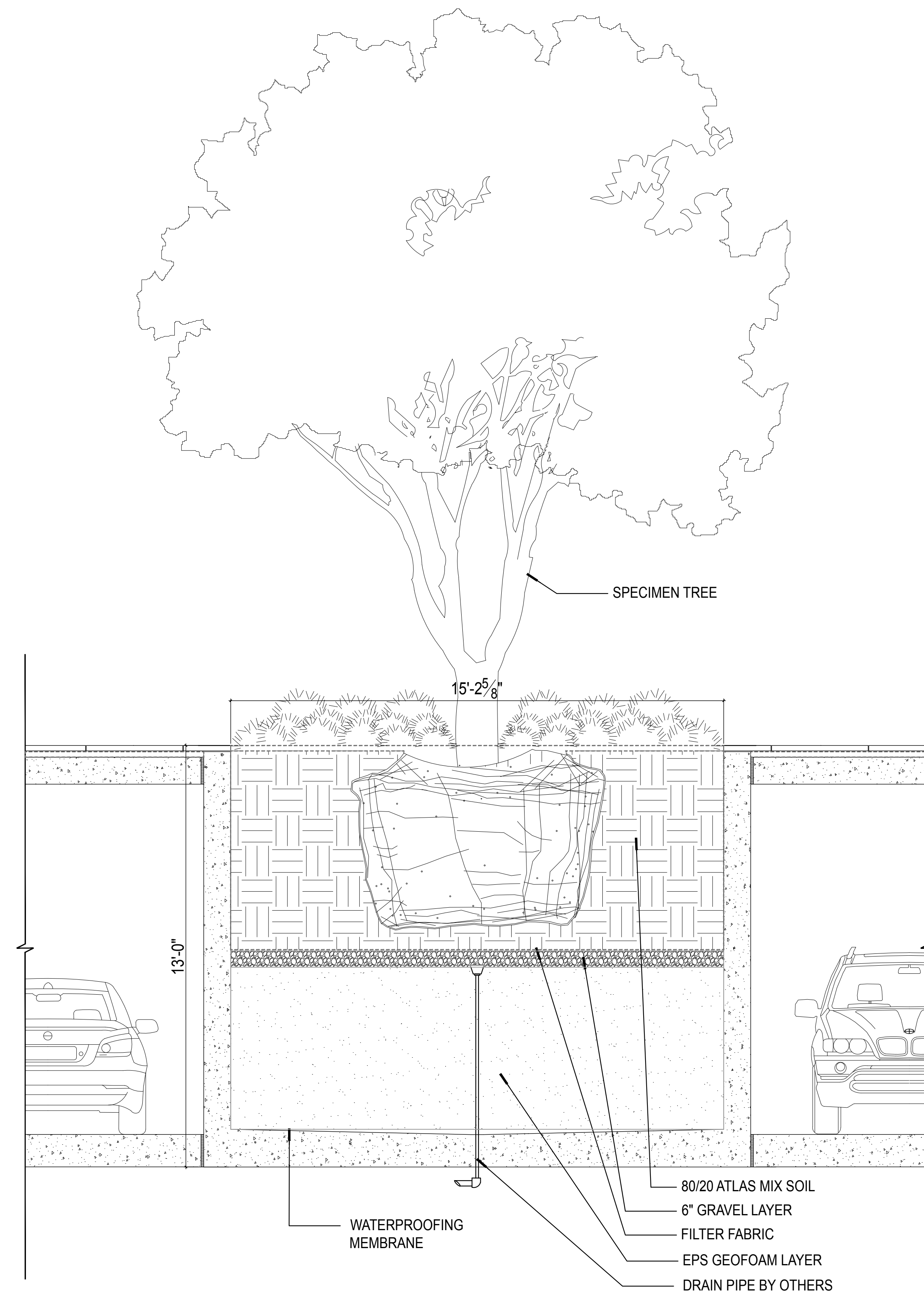
#### NOTES

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS
2. DO NOT SCALE DRAWINGS
3. PROVIDE SUPPLEMENTAL IRRIGATION FOR SEASONAL DROUGHT SUPPORT OF TREES & SOIL

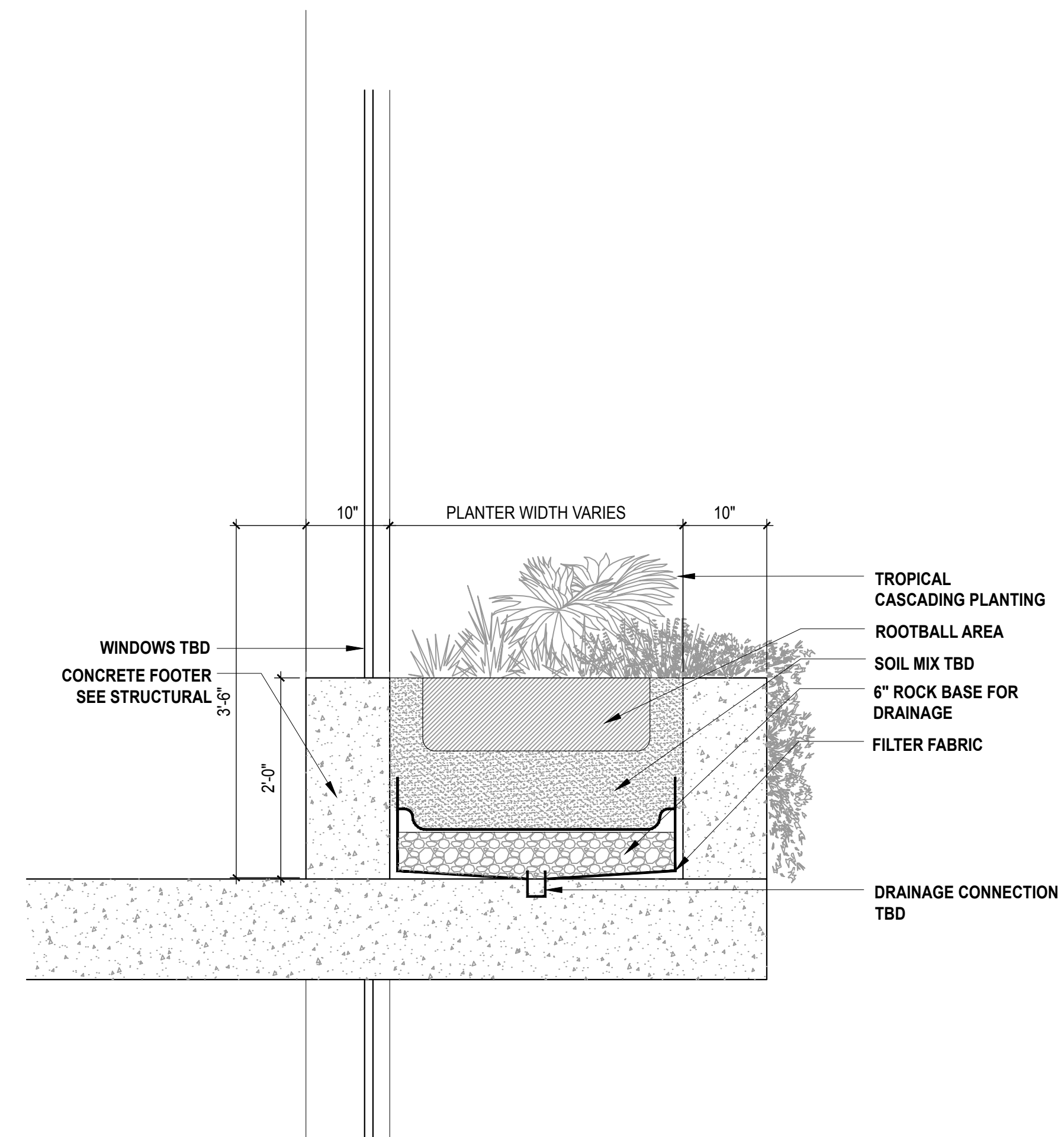
SCALE: 3/32" = 1'-0"







**TREE PIT CROSS SECTION**  
SCALE: 1/2" = 1' 0"



**CASCADING PLANTER CROSS SECTION TYP.**  
SCALE: 1" = 1' 0"



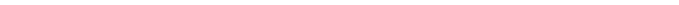






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NOTE B:  
LATERAL LINE PIPING WITHIN BUILDING SHALL BE A TYPE K COPPER AND IS SHOWN FOR CLARITY ONLY. ACTUAL DESIGN AND ROUTING SHALL BE COMPLETED BY PLUMBING ENGINEER AND INSTALLED BY PLUMBING CONTRACTOR. EACH STUB-OUT WITHIN EACH PLUMBING SILENT ROOM SHALL BE PROVIDED BY THE LANDSCAPE CONTRACTOR FOR CONNECTION. ALL PIPING THROUGH BUILDING TO EXTERIOR AND THROUGH BUILDING TO UPPER FLOOR SHALL BE PROVIDED BY PLUMBER.



L:7

IR-200 IRRIGATION PLAN LEVEL 2

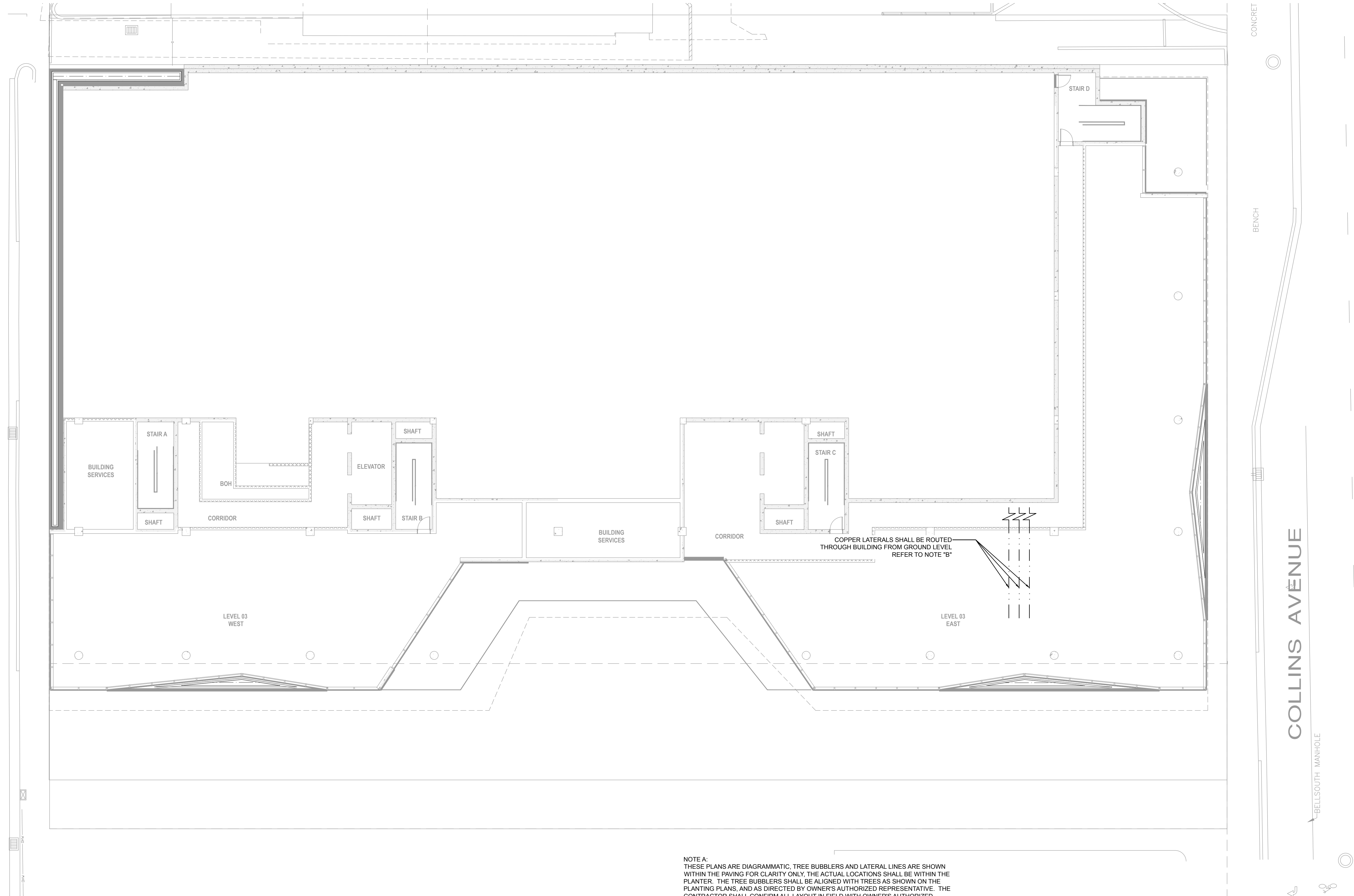
FERNANDO WONG

OUTDOOR LIVING DESIGN



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I HAVE COMPLIED WITH THE CRITERIA OF THE IRRIGATION GUIDELINES AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN



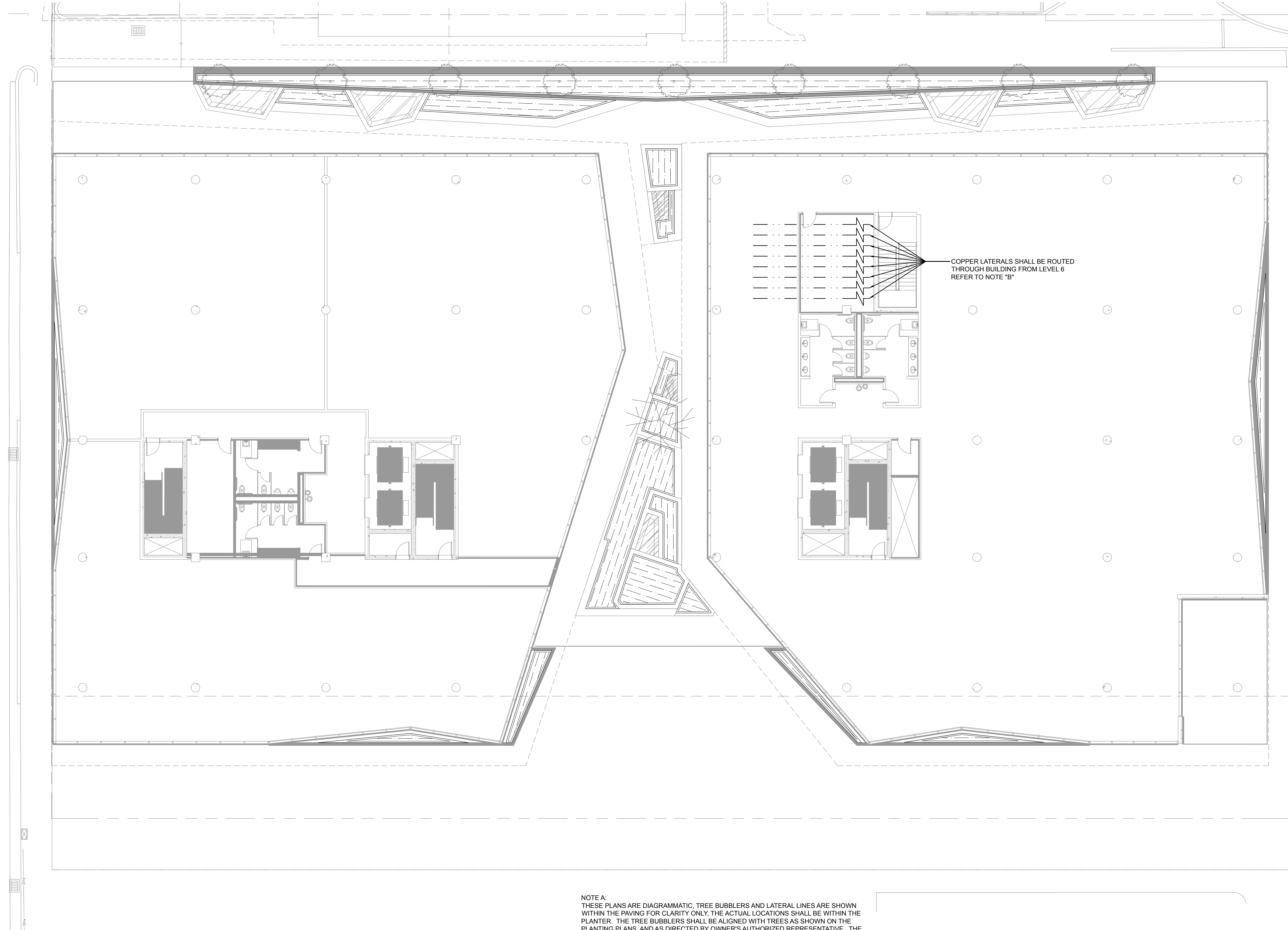
SCALE: 3/32" = 1'-0"





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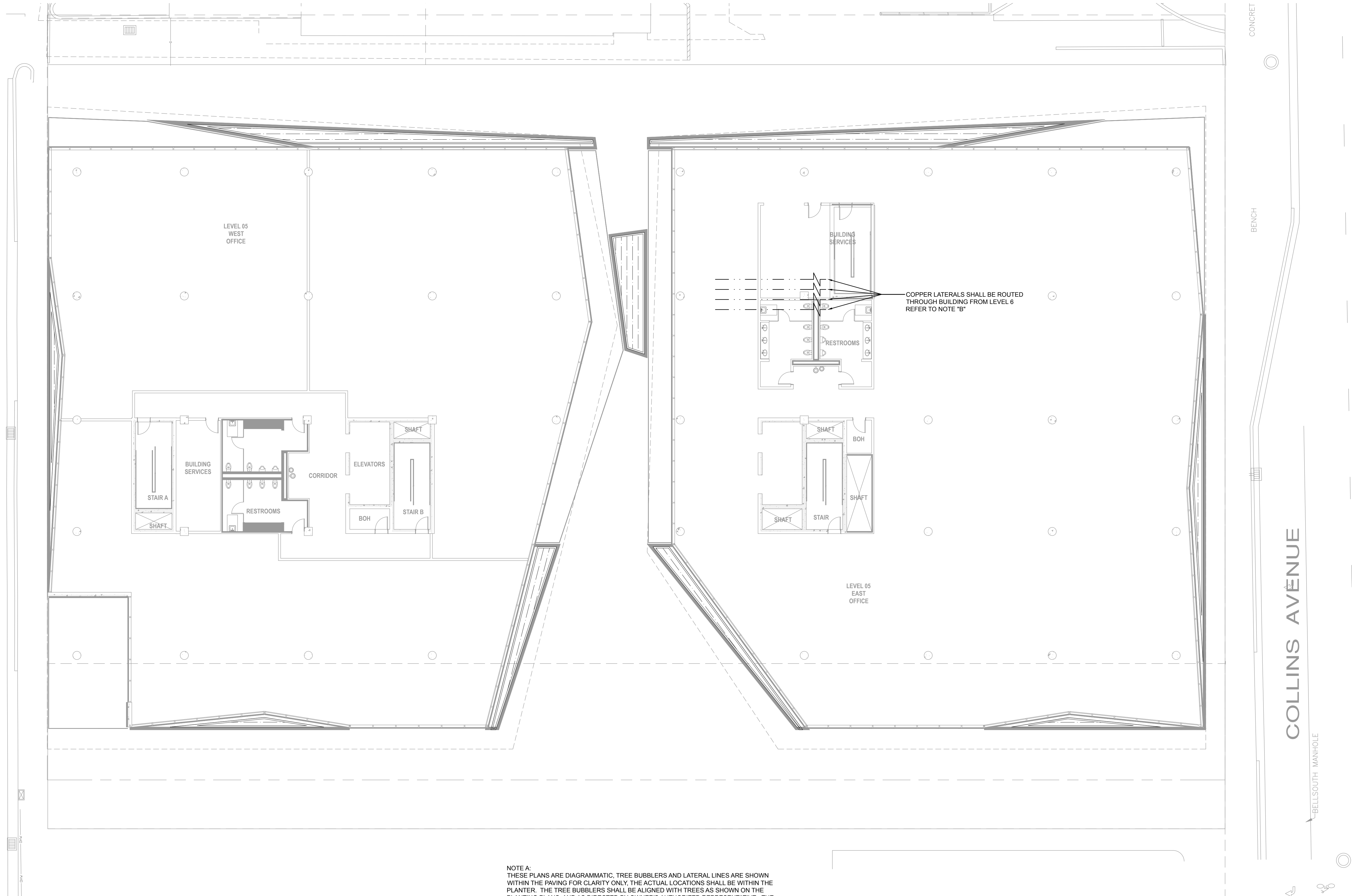
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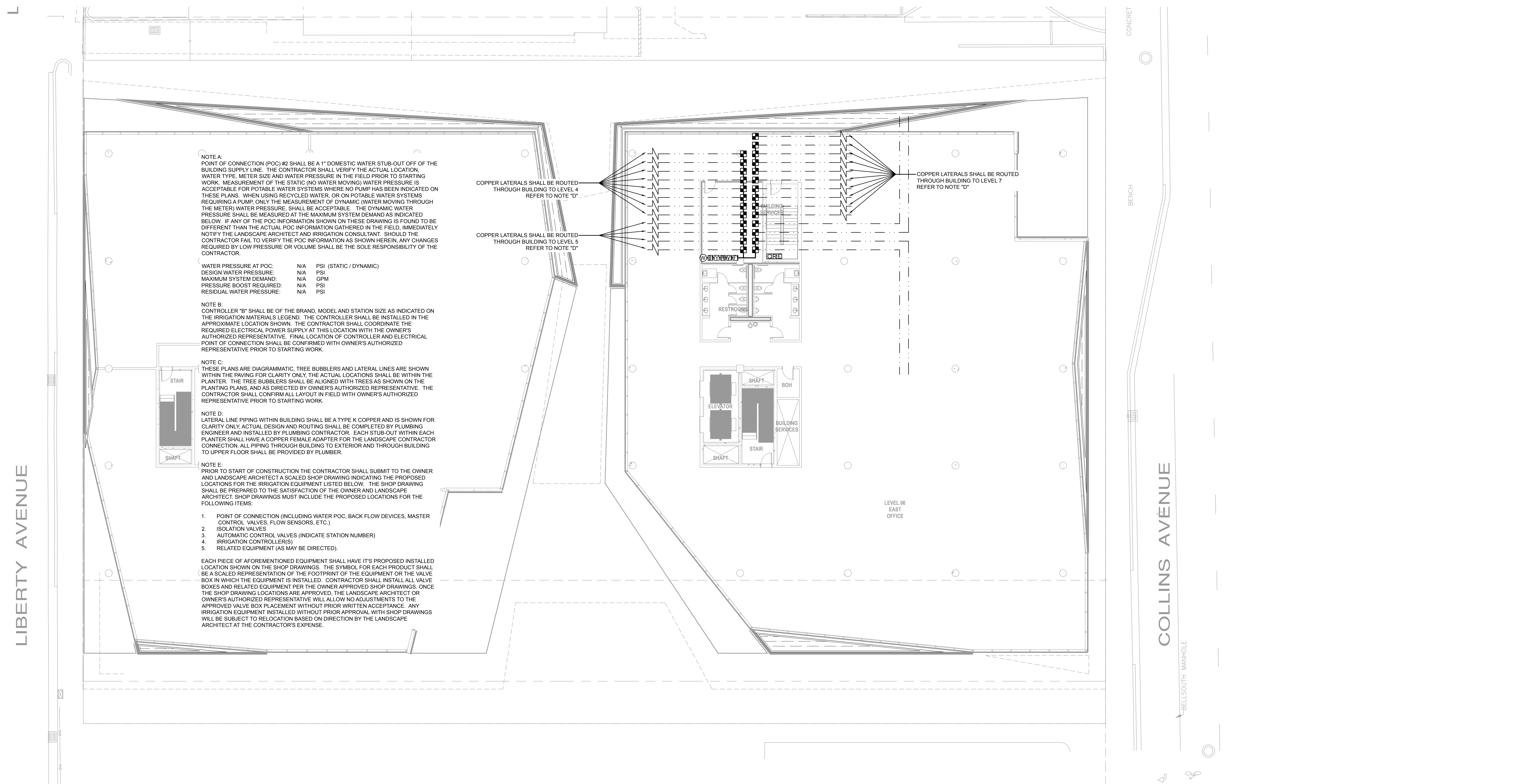
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SCALE: 3/32" = 1'-0"







NOTE A:  
POINT OF CONNECTION (POC) #2 SHALL BE A 1" DOMESTIC WATER STUB-OUT OFF OF THE BUILDING SUPPLY LINE. THE CONTRACTOR SHALL VERIFY THE ACTUAL LOCATION, WATER TYPE, METER SIZE AND WATER PRESSURE IN THE FIELD PRIOR TO STARTING WORK. MEASUREMENT OF THE STATIC (NO WATER MOVING) WATER PRESSURE IS ACCEPTABLE FOR POTABLE WATER SYSTEMS WHERE NO PUMP HAS BEEN INDICATED ON THESE PLANS. WHEN USING RECYCLED WATER, OR ON POTABLE WATER SYSTEMS REQUIRING A PUMP, ONLY THE MEASUREMENT OF DYNAMIC WATER MOVING THROUGH THE METER WATER PRESSURE SHALL BE ACCEPTABLE. THE DYNAMIC WATER PRESSURE SHALL BE MEASURED AT THE MAXIMUM SYSTEM DEMAND AS INDICATED BELOW. IF ANY OF THE POC INFORMATION SHOWN ON THESE DRAWING IS FOUND TO BE DIFFERENT THAN THE ACTUAL POC INFORMATION GATHERED IN THE FIELD, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT. SHOULD THE CONTRACTOR FAIL TO VERIFY THE POC INFORMATION AS SHOWN HEREIN, ANY CHANGES REQUIRED BY LOW PRESSURE OR VOLUME SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

WATER PRESSURE AT POC:	N/A	PSI (STATIC / DYNAMIC)
DESIGN WATER PRESSURE:	N/A	PSI
MAXIMUM SYSTEM DEMAND:	N/A	GPM
PRESSURE BOOST REQUIRED:	N/A	PSI
RESIDUAL WATER PRESSURE:	N/A	PSI

NOTE B:  
CONTROLLER "B" SHALL BE OF THE BRAND, MODEL AND STATION SIZE AS INDICATED ON THE IRRIGATION MATERIALS LEGEND. THE CONTROLLER SHALL BE INSTALLED IN THE APPROXIMATE LOCATION SHOWN. THE CONTRACTOR SHALL COORDINATE THE REQUIRED ELECTRICAL POWER SUPPLY AT THIS LOCATION WITH THE OWNER'S AUTHORIZED REPRESENTATIVE. FINAL LOCATION OF CONTROLLER AND ELECTRICAL POINT OF CONNECTION SHALL BE CONFIRMED WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE C:  
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NOTE E:  
PRIOR TO START OF CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE OWNER AND LANDSCAPE ARCHITECT A SCALED SHOP DRAWING INDICATING THE PROPOSED LOCATIONS FOR THE IRRIGATION EQUIPMENT LISTED BELOW. THE SHOP DRAWING SHALL BE PREPARED TO THE SATISFACTION OF THE OWNER AND LANDSCAPE ARCHITECT. SHOP DRAWINGS MUST INCLUDE THE PROPOSED LOCATIONS FOR THE FOLLOWING ITEMS:

1. POINT OF CONNECTION (INCLUDING WATER POC, BACK FLOW DEVICES, MASTER CONTROL VALVES, FLOW SENSORS, ETC.)
2. ISOLATION VALVES
3. AUTOMATIC CONTROL VALVES (INDICATE STATION NUMBER)
4. IRRIGATION CONTROLLER(S)
5. RELATED EQUIPMENT (AS MAY BE DIRECTED).

EACH PIECE OF AFOREMENTIONED EQUIPMENT SHALL HAVE ITS PROPOSED INSTALLED LOCATION SHOWN ON THE SHOP DRAWINGS. THE SYMBOL FOR EACH PRODUCT SHALL BE A SCALED REPRESENTATION OF THE FOOTPRINT OF THE EQUIPMENT OR THE VALVE BOX IN WHICH THE EQUIPMENT IS INSTALLED. CONTRACTOR SHALL INSTALL ALL VALVE BOXES AND RELATED EQUIPMENT PER THE OWNER APPROVED SHOP DRAWINGS. ONCE THE SHOP DRAWING LOCATIONS ARE APPROVED, THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE WILL ALLOW NO ADJUSTMENTS TO THE APPROVED VALVE BOX PLACEMENT WITHOUT PRIOR WRITTEN ACCEPTANCE. ANY IRRIGATION EQUIPMENT INSTALLED WITHOUT PRIOR APPROVAL WITH SHOP DRAWINGS WILL BE SUBJECT TO RELOCATION BASED ON DIRECTION BY THE LANDSCAPE ARCHITECT AT THE CONTRACTOR'S EXPENSE.

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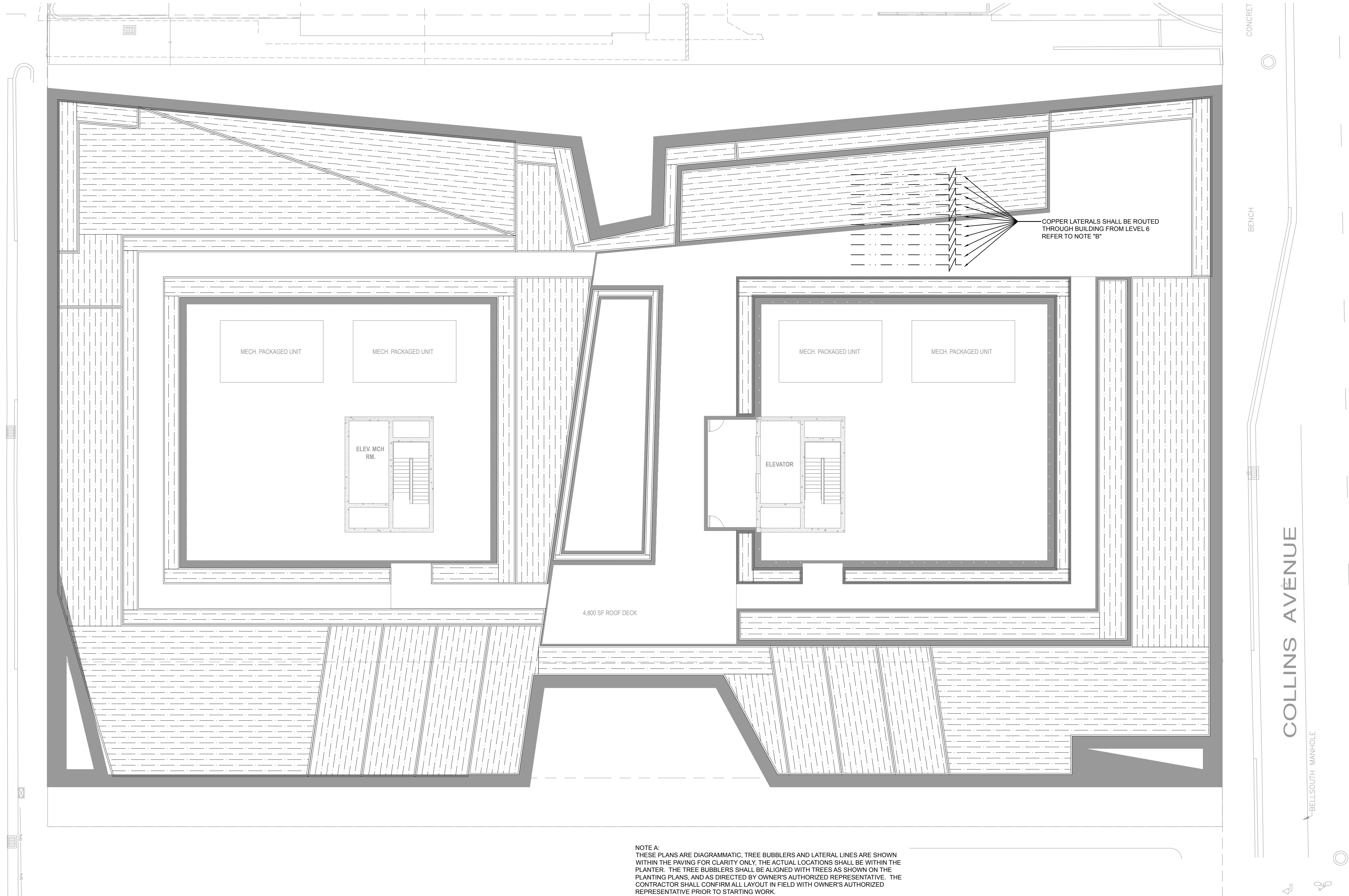
SCALE: 3/32" = 1'-0"





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COPPER LATERALS SHALL BE ROUTED THROUGH BUILDING FROM LEVEL 6 REFER TO NOTE "B"

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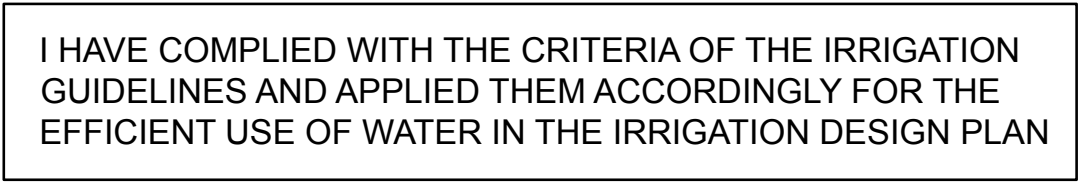
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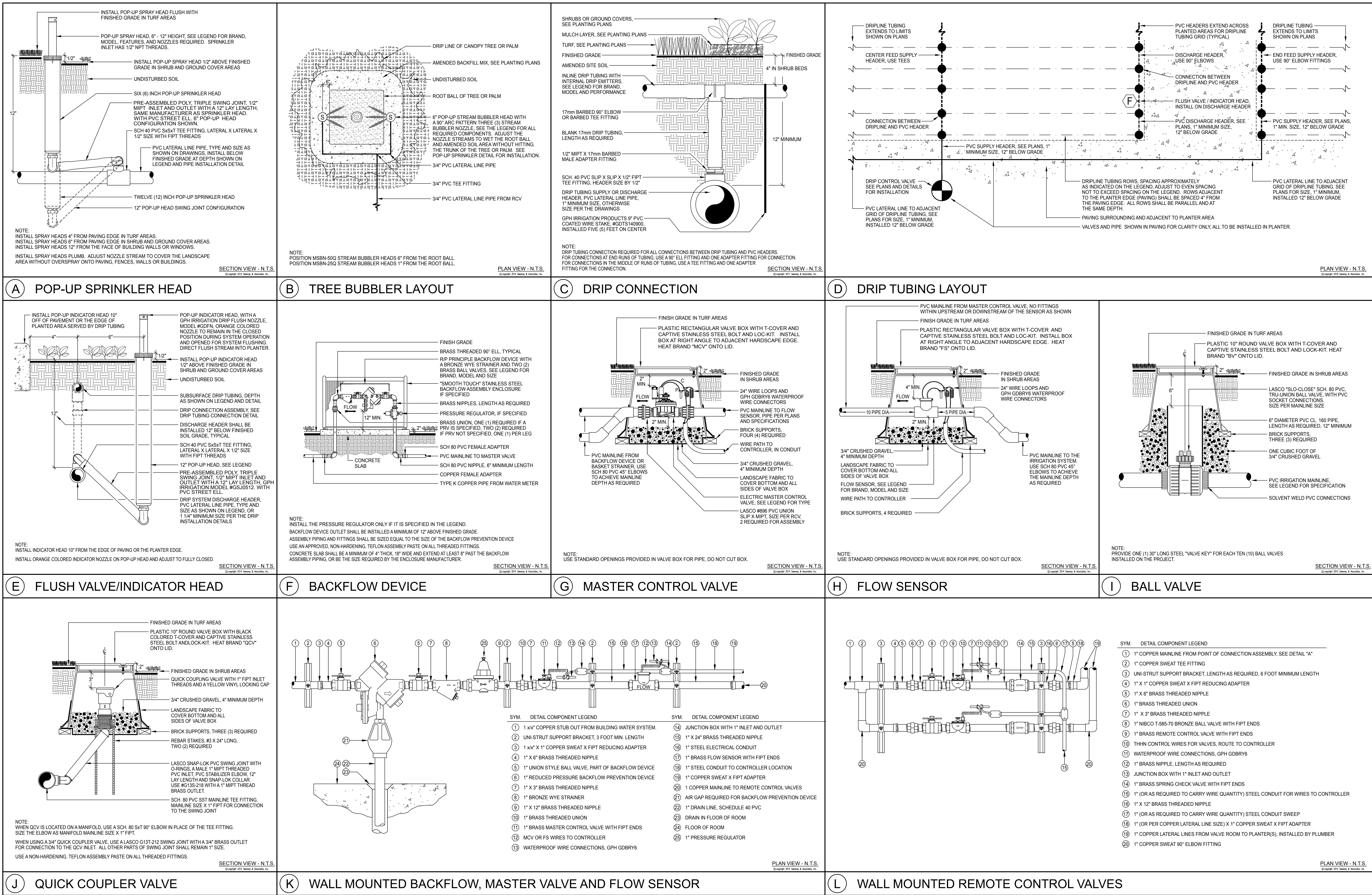


## IRRIGATION MATERIAL LEGEND

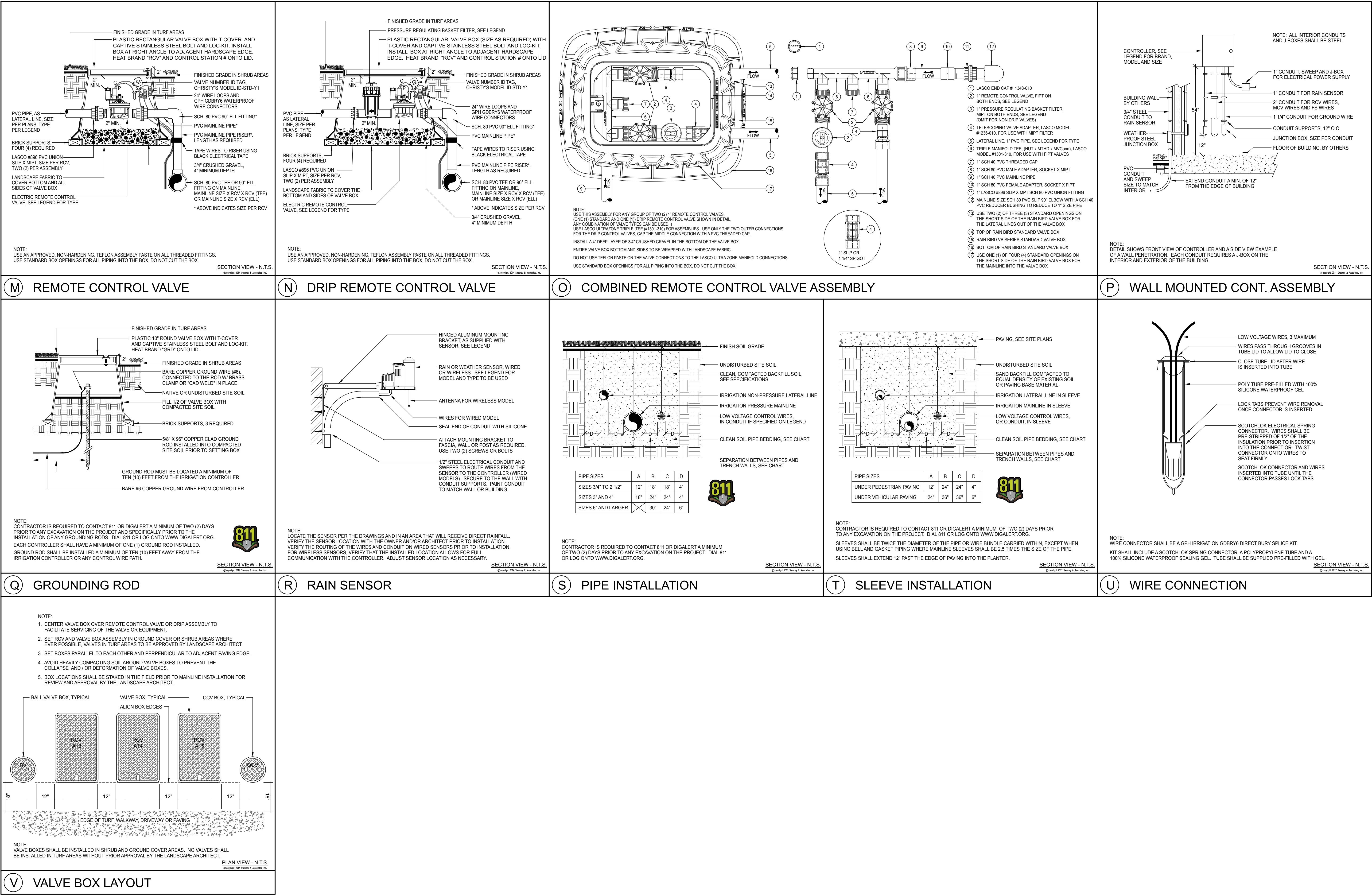
- | SYMBOL  | MANUFACTURER                 | MODEL NO. / DESCRIPTION  | FLOW RATE (GPM)  | PSI | RADIUS | P.R. (TRI.)  | DETAIL |
|---|------------------------------|--|--|-----|--------|--------------|--------|
|     | RAIN BIRD                    | RD-06-S 6" POP-UP BUBBLER HEAD WITH A HUNTER MSBN-500 STREAM BUBBLER NOZZLE EACH SYMBOL REPRESENTS TWO (2) BUBBLER TO PROVIDE A TOTAL OF TWO (2) BUBBLERS PER TREE OR PALM. PLACE THE BUBBLER HEADS SIX (6) INCHES FROM THE ROOT BALL OF THE TREE OR PALM AND ON OPPOSITE SIDES OF TREE OR PALM. ADJUST BUBBLER STREAMS TO WET THE ROOT BALL AND ADJACENT AMENDED SOIL WITHOUT HITTING THE TRUNK OF THE TREE OR PALM.  | .50 (1.0 TOTAL)  | 30  | 1 FT   | 1.00 IN./HR. | A,B    |
|    | NETAFIM                      | TLHCVR5-12 SUBSURFACE DRIP TUBING (BROWN EXTERIOR COLOR) WITH 0.53 GPH. PRESSURE COMPENSATING EMITTERS INTERNALLY INSTALLED IN THE DRIP TUBING AT 12" O.C. SPACING. DRIP TUBING SHALL BE EQUIPPED WITH COPPER OXIDE INFUSED EMITTERS AND A PHYSICAL BARRIER TO PREVENT ROOT INTRUSION INTO THE DRIP EMITTER. DRIP EMITTERS SHALL BE CONTINUOUS FLUSHING TYPE AND EQUIPPED WITH A CHECK VALVE AND ANTI-SIPHON FEATURE. DRIP TUBING SHALL BE INSTALLED 4" BELOW FINISHED SOIL GRADE (NOT COUNTING MULCH) AND IN PARALLEL ROWS A MAXIMUM OF 16" ON CENTER. THE PERIMETER ROW OF DRIP TUBING SHALL BE INSTALLED A MAXIMUM OF 4" FROM THE EDGE OF ANY HARDSCAPE OR TURF EEDGE. ALL SUBSEQUENT INTERIOR ROWS SHALL BE ADJUSTED TO PROVIDE AN EVEN SPACING ACROSS THE PLANTER WITHOUT EXCEEDING 16" MAXIMUM SPACING. INSTALL 9" PVC COATED GALVANIZED TUBING STAKES A MAXIMUM OF FIVE (5) FEET ON CENTER ALONG THE LENGTH OF THE TUBING. TUBING STAKES SHALL BE MODEL #GDT5140900 AS MANUFACTURED BY GPH IRRIGATION PRODUCTS (866) 582-9684. THE HATCH PATTERN SYMBOLS ON THE PLANS REPRESENT THE APPROXIMATE DIRECTION AND SPACING OF THE DRIP TUBING ROWS. SEE SPACING REQUIREMENTS ABOVE AND IN DETAILS. |  |     |        |              | C,D    |
|   | NO SYMBOL                    | NETAFIM  | CONNECTION BETWEEN HCVRX DRIP TUBING AND PVC SUPPLY AND DISCHARGE HEADERS SHALL BE MADE USING SCH. 40 PVC SXT FITTINGS, TL BARBED DRIP TUBING FITTINGS AND BLANK DRIP TUBING. WHEN THE CONNECTION IS AT THE END RUN OF THE TUBING USE A SCH. 40 PVC LATERAL X LATERAL X 1/2" SxST TEE (OR A LATERAL X 1/2" SxT 90° ELBOW) FITTING ON THE PVC LATERAL LINE HEADER, A TL050MA BARB X 1/2" MALE ADAPTER, A SHORT LENGTH OF BLANK DRIP TUBING, AND A TELL BARBED 90° ELBOW FITTING. WHEN THE CONNECTION IS IN THE MIDDLE OF THE TUBING RUN USE A SCH. 40 PVC LATERAL X LATERAL X 1/2" SxST TEE (OR A LATERAL X 1/2" SxT 90° ELBOW) FITTING ON THE PVC LATERAL LINE HEADER, A TL050MA BARB X 1/2" MALE ADAPTER, A SHORT LENGTH OF BLANK DRIP TUBING, AND A TLTEE BARBED TEE FITTING. ALL END RUNS OF TUBING SHALL BE CONNECTED WITH A PVC DISCHARGE HEADER. NO HEATING OF TUBING SHALL BE ALLOWED FOR ASSEMBLY. |     |        |              | C,D    |
|   | NO SYMBOL                    | NETAFIM  | TL SERIES 17mm BARBED FITTINGS FOR CONNECTIONS BETWEEN DRIP TUBING (TUBING-TO-TUBING ONLY). NO HEATING OF TUBING SHALL BE ALLOWED.   |     |        |              | C,D    |
|    | AS APPROVED                  | PVC SUPPLY AND DISCHARGE HEADERS SHALL BE PVC LATERAL LINE PIPE (AS SHOWN BELOW), 1 1/4" MINIMUM SIZE WITH SCH. 40 PVC FITTINGS.   |  |     |        |              | C,D    |
|   | NO SYMBOL                    | NETAFIM  | WHERE VINES ARE PLANTED ON WALLS, FENCES OR COLUMNS WITHIN THE DRIP TUBING ZONES, ADDITIONAL DRIP EMITTERS SHALL BE REQUIRED FOR THESE VINE PLANTINGS. THE CONTRACTOR SHALL INSTALL TWO (2) SPVCV10 1 GPH DRIP EMITTERS PER VINE PLANTING. THESE ADDITIONAL EMITTERS SHALL BE PUNCHED DIRECTLY INTO THE DRIP TUBING. EMITTERS SHALL BE INSTALLED USING A SPOT EMITTER INSTALLATION TOOL. EACH DRIP EMITTER SHALL BE INSTALLED WITH AN 18" LENGTH OF EDTUBE-01 1/4" DISTRIBUTION TUBING, AN EDTUBE8TK TUBING STAKE, AND A VINYL 1/4" TUBING BUG CAP. LOCATE EMITTERS DIRECTLY OVER THE ROOT BALL OF THE VINE PLANTINGS.   |     |        |              | D,F    |
|    | GPH IRRIGATION/<br>RAIN BIRD | GDFN DRIP FLUSH // INDICATOR NOZZLE. ORANGE IN COLOR, INSTALLED ONTO A RAIN BIRD 1812 12" POP-UP SPRINKLER BODY (NO PRS OR CHECK VALVE). THE FLUSH NOZZLE SHALL BE CLOSED FOR NORMAL OPERATION OF THE DRIP SYSTEM.   |  |     |        |              | D,E    |
|    | P.O.C.                       | X" POTABLE (DOMESTIC) WATER METER WITH X" SERVICE LINE. VERIFY SIZE, LOCATION AND PRESSURE IN FIELD.   |  |     |        |              | N/A    |
|    | WILKINS                      | 975XLS, X" R/P BACK FLOW PREVENTION DEVICE WITH WYE STRAINER, INSTALL WITH BRASS NIPPLES, UNIONS AND FITTINGS, SIZED PER DEVICE  |  |     |        |              | F      |
|   | NO SYMBOL                    | WILKINS  | 500XL-HLR X" BRONZE, HIGH LOW RANGE (10-125 PSI) PRESSURE REGULATOR, WITH SINGLE UNION FIPT X FIPT CONNECTIONS, INSTALL PRESSURE REGULATOR ON THE DOWNSTREAM SIDE OF THE BACK FLOW DEVICE. SET WATER PRESSURE TO 10 PSI ABOVE DESIGN PRESSURE SHOWN ON POC NOTES.  |     |        |              | F      |
|   | NO SYMBOL                    | V.I.T.   | STRONG BOX SBBC-XXSS "SMOOTH TOUCH" STAINLESS STEEL BACK FLOW DEVICE ENCLOSURE   |     |        |              | F      |
|    | BUCKNER                      | 3200-XXX X" NORMALLY CLOSED, BRASS MASTER CONTROL VALVE. WIRE MCV TO THE CONTROLLER USING A SEPARATE PILOT AND GROUND WIRE, ROUTE INSIDE A 1" SCH. 40 PVC (GRAY) ELECTRICAL CONDUIT. INSTALL INSIDE A STANDARD RECTANGULAR VALVE BOX.  |  |     |        |              | G      |
|    | HYDROPOINT /<br>WEATHERTRAK  | WT-FS-XXX-CST X" PVC TEE, CST TYPE FLOW SENSOR, WIRE TO CONTROLLER USING TWO (2) #14UF AWG WIRES INSIDE A 1" SCH. 40 PVC (GRAY) ELECTRICAL CONDUIT. INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND INSIDE A STANDARD RECTANGULAR VALVE BOX. MULTIPLE FLOW SENSORS SHALL REQUIRE SEPARATE CONDUIT RUNS. CONTACT CREATIVE SENSOR TECHNOLOGY'S REPRESENTATIVE, GENTILE & ASSOCIATES (STEVEN KIM) AT (760) 214-5734 FOR FURTHER INFORMATION.   |  |     |        |              | H      |
|    | LASCO                        | VXX101N-SC XX" SLO-CLOSE SCH. 80 PVC, TRUE-UNION BALL VALVE WITH SOLVENT WELD SOCKET CONNECTIONS, LINE SIZE PER MAINLINE. INSTALL INSIDE A 10" ROUND VALVE BOX.  |  |     |        |              | I      |
|    | RAIN BIRD                    | 44LRC 1" QUICK COUPLER VALVE WITH LOCKING VINYL COVER AND A LASCO G135-218 SWING JOINT. INSTALL INSIDE A 10" ROUND VALVE BOX.  |  |     |        |              | J      |
|    | P.O.C.                       | 1" DOMESTIC WATER STUB-OUT. VERIFY SIZE, LOCATION AND WATER PRESSURE IN FIELD.   |  |     |        |              | N/A    |
|    | WILKINS                      | 975XL, 1" R/P WALL MOUNTED BACK FLOW PREVENTION DEVICE   |  |     |        |              | K      |
|    | GRISWOLD                     | ISOLATOR 'S' SERIES 1" Y-STRAINER WITH 120 MESH FILTER SCREEN, INSTALLED ON WALL   |  |     |        |              | K      |
|    | WILKINS                      | 500XL-HLR 1" BRONZE, HIGH LOW RANGE (10-125 PSI) PRESSURE REGULATOR, WITH SINGLE UNION FIPT X FIPT CONNECTIONS, INSTALL ON WALL SET WATER PRESSURE TO 10 PSI ABOVE DESIGN PRESSURE SHOWN ON POC NOTES.   |  |     |        |              | K      |
|    | HUNTER                       | IBV-101G-FS-R 1" NORMALLY CLOSED, BRASS MASTER CONTROL VALVE. WIRE MCV TO THE CONTROLLER USING A SEPARATE PILOT AND GROUND WIRE, ROUTE INSIDE CONDUIT WITH FLOW SENSOR WIRE. INSTALL ON WALL.  |  |     |        |              | K      |
|   | RAIN MASTER                  | FS-B100, 1" BRASS FLOW SENSOR IN A BRASS TEE, INSTALLED ON WALL, WIRE TO CONTROLLER USING EV-CAB-SEN CABLE WITHIN A 1" CONDUIT, INSTALL PER MANUFACTURER'S RECOMMENDATIONS   |  |     |        |              | K      |
|   | NO SYMBOL                    | NIBCO  | NIBCO T-585-70 BRONZE BALL VALVE WITH FIPT ENDS, SIZE PER LINE SIZE  |     |        |              | K,L    |
|  | HUNTER                       | IBV-101G-FS, 1" BRASS REMOTE CONTROL VALVE (RCV), RCV SHALL BE WALL MOUNTED  |  |     |        |              | L      |
|  | RAIN BIRD                    | XXX-PESB-PRS-D PRESSURE REGULATING, PLASTIC REMOTE CONTROL VALVE (RCV), SIZE AS SHOWN (1", 1 1/2" AND 2" SIZES), SET PRS-D PRESSURE REGULATOR TO PROVIDE THE OPERATING PRESSURE OF THE SPRINKLER / BUBBLER HEAD AT THE HIGHEST OR FARTHEST HEAD ON THE CONTROL VALVE ZONE (MEASURE PSI AT HEAD). INSTALL THE RCV INSIDE A STANDARD RECTANGULAR VALVE BOX.  |  |     |        |              | M,O    |
|  | RAIN BIRD                    | PLASTIC DRIP REMOTE CONTROL VALVE ASSEMBLY, SIZE AS SHOWN (1" AND 1 1/2" SIZES). COMPLETE WITH PLASTIC CONTROL VALVE, DRIP FILTER AND PRESSURE REGULATION, AS SHOWN BELOW BY SIZE:<br>FOR 1" DRIP ZONES: 100-PESB VALVE AND A PRB-QKCHK-100 PRESSURE REGULATING, 200 MESH BASKET FILTER. IN A STANDARD RECTANGULAR BOX.<br>FOR 1 1/2" DRIP ZONES: 100-PESB VALVE AND A QKCHK-100, 200 MESH BASKET FILTER. IN A STANDARD RECTANGULAR BOX.   |  |     |        |              | N,O    |
|  | HYDROPOINT /<br>WEATHERTRAK  | WTL-C-XX-PL-F XX STATION CONTROLLER COMPLETE WITH FLOW KEY OPTION, AN INTERNET COMMUNICATIONS CARD AND A PLASTIC WALL MOUNTED ENCLOSURE. CONTRACTOR TO SUBSCRIBE TO (CIM4YA) WEATHERTRAK CENTRAL SERVICE FIVE (5) YEAR OF INTERNET BASED CENTRAL CONTROL AND DAILY WEATHER DATA DOWNLOAD SERVICES. THE CONTRACTOR TO REGISTER THE CONTROLLER SOFTWARE AND FULLY PROGRAM THE CONTROLLER FOR AUTOMATIC PROGRAM ADJUSTMENT. THE CONTRACTOR SHALL PROVIDE PROOF OF REGISTRATION AND  |  |     |        |              |        |



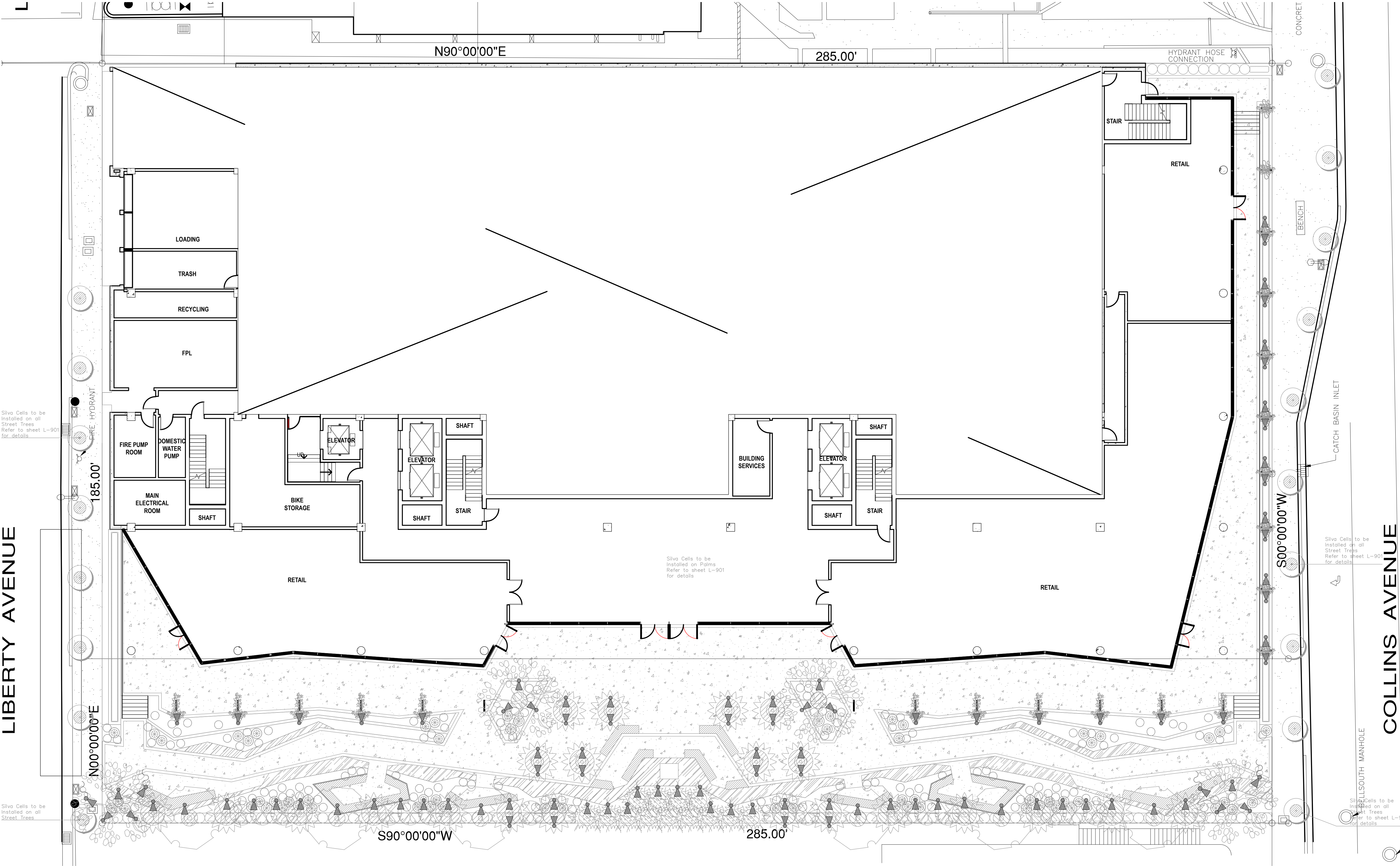










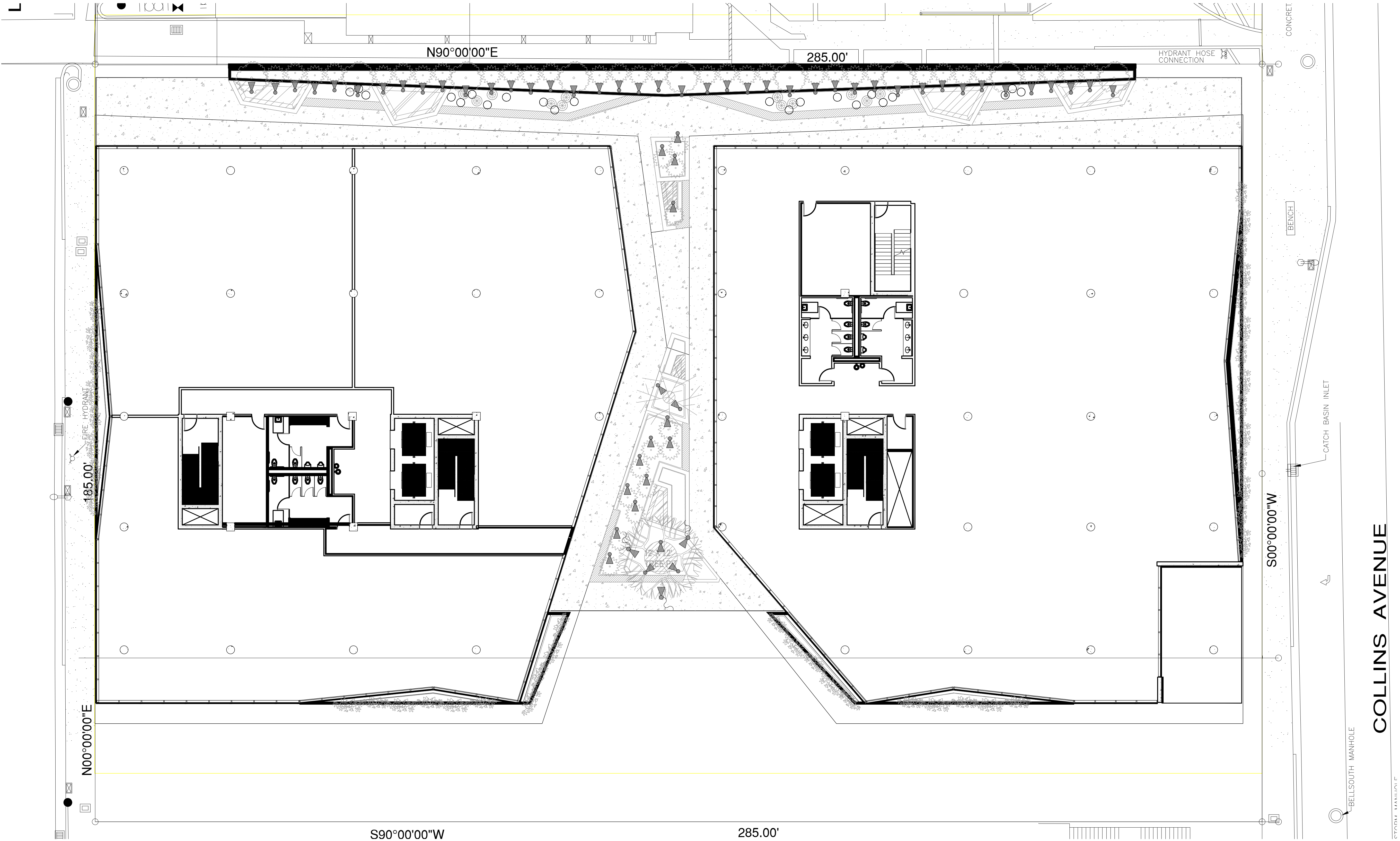


OVERALL SITE LIGHTING LEGEND					
SYMBOL	FIXTURE	# OF FIXTURES	MODEL #	TYPE OF MOUNT	NOTES
	Model UL-4 Up Light. Stake Mount. Excelsior Lighting	97	MODEL UL-4	Stake	Integral LED 12V, 4 W
	MODEL RL-2L Down Light. Tree Moun. Excelsior Lighting	6	MODEL RL-2L	Tree Mounted	Integral LED 12V, 4 W

SCALE: 3/32" = 1'-0"







OVERALL SITE LIGHTING LEGEND					
SYMBOL	FIXTURE	# OF FIXTURES	MODEL #	TYPE OF MOUNT	NOTES
	Model UL-4 Up Light. Stake Mount. Excelsior Lighting	97	MODEL UL-4	Stake	Integral LED 12V, 4 W
	MODEL RL-2L Down Light. Tree Moun. Excelsior Lighting	6	MODEL RL-2L	Tree Mounted	Integral LED 12V, 4 W



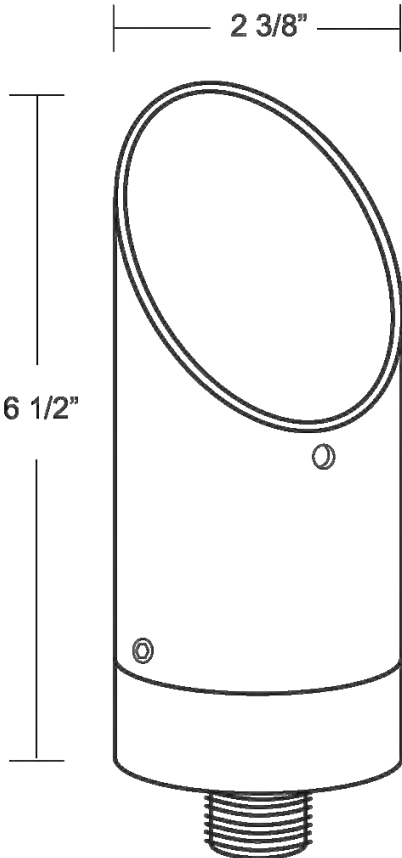
UP LIGHT

12V 10W INTEGRAL LED

MODEL UL-4L

Specification-grade landscape lighting, wet-location luminaire for up lighting or down lighting applications. Can be utilized for ground mounted, tree mounted or surface mounted installations.

- Machined 6061-T6 copper-free aluminum. Aluminum components are black anodized, then a polyester powder coat finish is applied. Seven standard TGIC powder coat finishes and clear anodized finish available.
- Integral LED Module: 4W, 7W, 10W.
- Available in 2700K, 3000K.
- Remote transformer required.
- Stainless steel hardware.
- 10" 18ga. Teflon coated wire leads.
- Tempered clear glass lens.
- 45° angled lens cap holds 2 lens accessories.
- High-temperature silicone O-ring seal used to seal the cap against the body.
- Molded silicone wire pass-thru attached to socket wire prevents wicking and water leaking into the lamp compartment.
- CSA & UL listed for wet location landscape use (UL1838).
- Warranty: 10 Years.



Specifications

MODEL:	UL-4L	LAMPING:	10W Integral LED Module	
MATERIAL:	6061-T6 Aluminum	FINISHES:	BK - Black BZ - Bronze WT - White BG - Beige	BKT - Black Texture BZT - Bronze Texture SL - Silver CA - Clear Anodized
VOLTAGE:	10.8-13.2V			
WATTAGE:	4W, 7W, 10W			

Ordering Logic:

MODEL	METAL	FINISH		
UL - 4L	A - Aluminum	BK- Black BZ - Bronze WT - White BG - Beige	BKT - Black Texture BZT - Bronze Texture SL - Silver CA - Clear Anodized	

ORDERING EXAMPLE: UL - 4L - A - BK - 52\*

\*See Module sheet to select module type to be installed

Excelsior Lighting, Inc.

PROJECT

TYPE

2507 N. Bundy Drive Fresno, CA 93727 T - 559.346.1051 F - 559.346.1071 excelsiorlighting.com

UPLIGHT  
SCALE: NTS

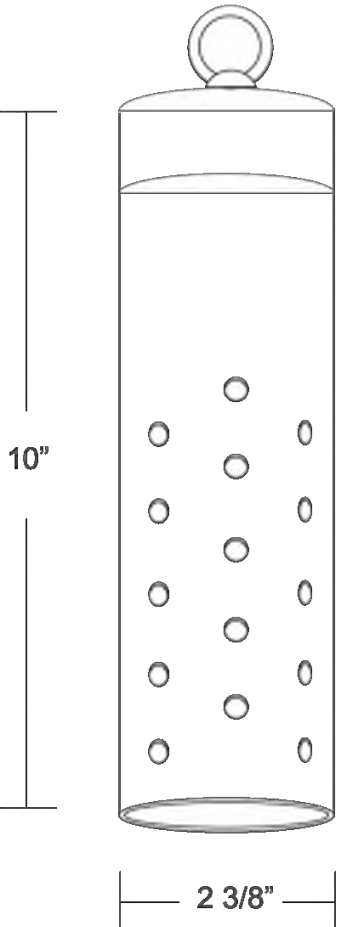
DOWNLIGHT

12V 10W INTEGRAL LED

MODEL RL-2L

Specification-grade landscape lighting, wet-location luminaire for down lighting applications. Can be utilized for pergola or tree-mounted installations

- Machined 6061-T6 copper-free aluminum. Aluminum components are black anodized, then a polyester powder coat finish is applied. Seven standard TGIC powder coat finishes and clear anodized finish available.
- Integral LED: 4W, 7W, 10W.
- Available in 2700K, 3000K.
- Remote transformer required.
- Stainless steel hardware.
- 1" brass loop for mounting.
- 12" 18 ga. shrink tube covered, black wire leads.
- Frosted acrylic liner.
- Optional frosted lens glued in at bottom of fixture.
- High-temperature silicone O-ring seal used to seal the cap against the body.
- Molded silicone wire pass-thru attached to socket wire prevents wicking and water leaking into the lamp compartment.
- CSA & UL listed for wet location landscape use (UL1838).
- Warranty: 10 Years.



Specifications

MODEL:	RL-2L	LAMPING:	10W Integral LED Module	
MATERIAL:	6061-T6 Aluminum	FINISHES:	BK - Black BZ - Bronze WT - White BG - Beige	BKT - Black Texture BZT - Bronze Texture SL - Silver CA - Clear Anodized
VOLTAGE:	10.8-13.2V			
WATTAGE:	4W, 7W, 10W			

Ordering Logic:

MODEL	METAL	BOTTOM LENS	CABLE		FINISH	
RL - 2L	A - Aluminum	0 - None 1 - Frosted lens glued in	0 - None 5 - 5 ft 10 - 10 ft 15 - 15 ft	20 - 20 ft 25 - 25 ft 30 - 30 ft	BK- Black BZ - Bronze WT - White BG - Beige	BKT - Black Texture BZT - Bronze Texture SL - Silver CA - Clear Anodized

ORDERING EXAMPLE: RL - 2L - A - 1 - 0 - BK - 52\*

\*See Module sheet to select module type to be installed

Excelsior Lighting, Inc.

PROJECT

TYPE

2507 N. Bundy Drive Fresno, CA 93727 T - 559.346.1051 F - 559.346.1071 excelsiorlighting.com

DOWNLIGHT  
SCALE: NTS