

DADE BOULEVARD

COLLINS CANAL

ALTON ROAD
S.R. 907

ALTON COURT

PROPOSED 'DEEPROOT SILVA
CELLS' INSTALLATION SEE
'DEEPROOT SILVA CELLS'
INSTALLATION NOTES AND DETAILS,
SHEET L-4.

PROP. PLV.
(SEE MECH. PLANS)
PROP. PDC
(SEE MECH. PLANS)

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PLANTLIST

SYM.	NATIVE	*	NAME	BOTANICAL NAME	SPECIFICATION
PROPOSED TREES					
B5	YES	6	GUMBO LIMBO	Bursera emarubia	16' x 1" apr, 4' cal, 6' c.t.
CE	YES	3	GREEN BUTTWOOD	Conocarpus erectus	12' x 6' apr, 2 1/2' cal.

SHRUBS, GROUNDCOVERS AND ACCENT PLANTS					
AEC	15	AECHMEA BROMELIADS	Aechmea blanchetiana 'Orange'	3 gal, 18" x 18", BULL16	
ARA	150 s.f.	PERENNIAL PEANUT	Arachis glabrata 'EcoTurf'	SOLID SOD, price per s.f.	
CAT	1	CAT PALM	Chamaedorea cataractarum	1 gal, 30" x 21", 30" c.c.	
CRO	50	CROTON 'PETRA'	Codiaeum variegatum	3 gal, 18" x 18", 18" o.c., full	
BL3	15	BLUEBERRY PLAX LILY	Dianella tasmanica	3 gal, 12" x 18", 18" o.c., full	
FG3	85	'GREEN ISLAND' FICUS	Ficus 'Green Island'	3 gal, 18" x 18", 18" o.c., full	

TOPSOIL:	TOPSOIL: SAND MIX	50:50 TOPSOIL: SAND MIX, SPREAD IN PLACE
12 C.Y.	TREES, PALMS, SHRUBS AND GROUNDCOVERS	

MULCHING:	20 C.Y. +/-	'MINI-NUGGET' PINE BARK	3" DEPTH, SPREAD IN PLACE, ATLAS FEAT AND SOIL
			PROVIDE SAMPLE FOR APPROVAL PRIOR TO INSTALLATION
			TOPSOIL, SOD AND MULCH QUANTITIES SHOWN ARE APPROXIMATE, CONTRACTOR
			TO PROVIDE A UNIT PRICE PER UNIT AND WILL BE PAID ON THAT UNIT PRICE BASIS
			UPON FINAL INSPECTION AND APPROVAL.

A WRITTEN TREE REMOVAL PERMIT IS REQUIRED
FROM THE CITY OF MIAMI BEACH PRIOR TO
REMOVAL OF ANY TREES OR PALMS FROM THIS
SITE.

SEE SHEET L-2 FOR ROOF LEVEL LANDSCAPE
PLANTINGS.

SEE SHEET L-3 FOR LANDSCAPE DETAILS,
NOTES, SPECIFICATIONS, ETC.

SEE SHEET L-4 FOR SILVA CELL DETAILS AND
SPECIFICATIONS.

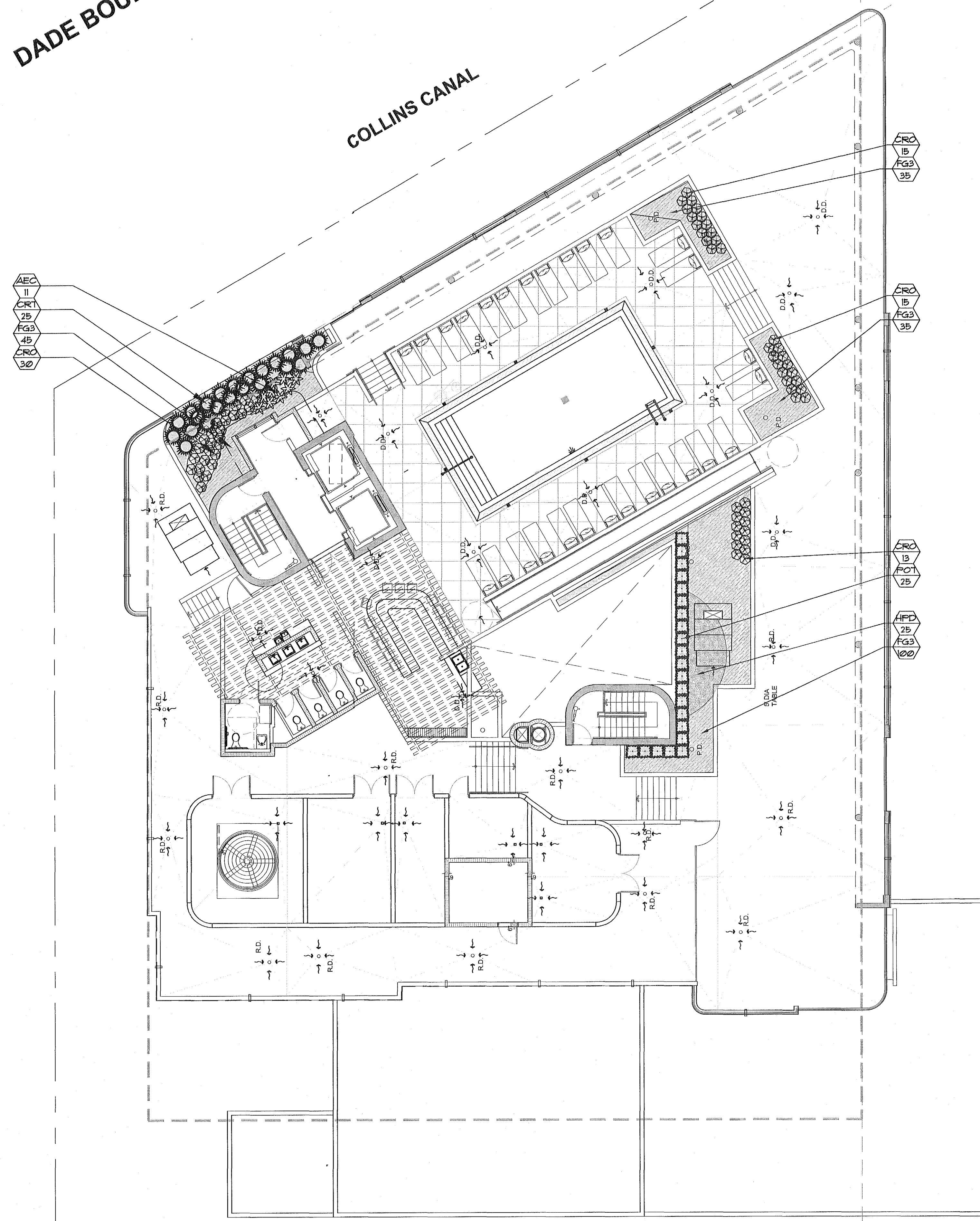
City of Miami Beach
Fire Prevention Division
PLANS APPROVED

SITE LANDSCAPE PLAN

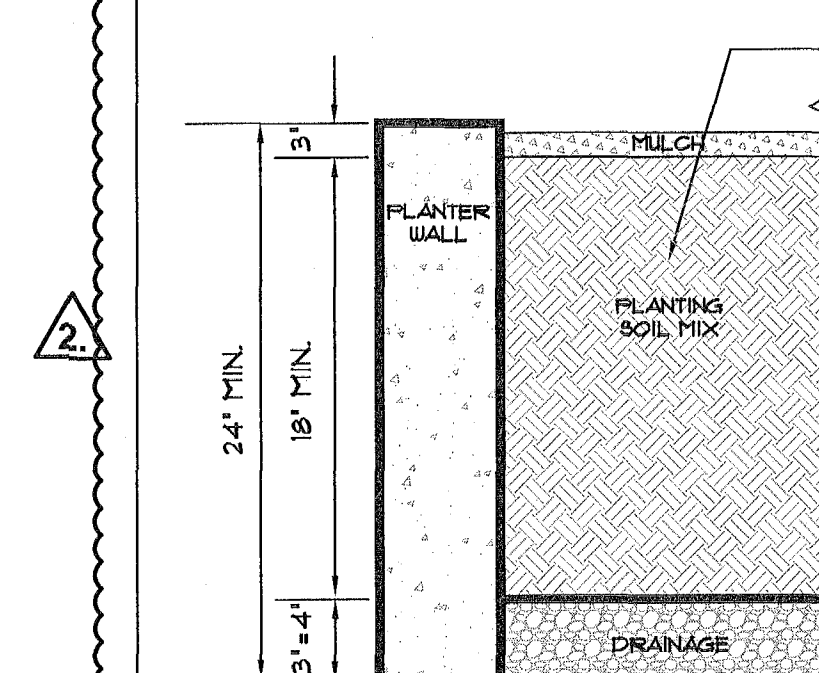
No.	DESCRIPTION	DATE
1	DERM CMNTS	04.13.17
2	REV. 2	05.31.17
3	REV. 3	12.18.17

PROJECT NO.	1613
DATE:	2-17-17
SHEET INDEX:	
SCALE:	
SHEET NO.	

ALTON COURT



ALTON ROAD



TYPICAL LANDSCAPE PLANTER

NTS

WALL IMPERMEABILIZATION, DRAINS AND EYE
HOOKS SHALL BE PREPARED & INSTALLED BY
THE GENERAL CONTRACTOR.

THE LANDSCAPE AND IRRIGATION CONTRACTORS SHALL COORDINATE ALL WORK WITH THE PROJECT MANAGER AND ALL PERTINENT SUBCONTRACTORS TO INSURE A PROFESSIONAL EXPEDITIOUS PROCESS.

ALL PLANTING BEDS SHALL BE MULCHED WITH AN APPROVED RECYCLED MULCH, OR AN APPROVED EQUAL. SEE "LANDSCAPE NOTES".

THE CONTRACTOR SHALL SUBMIT PHOTOS FOR ALL SPECIMEN PLANT MATERIAL (ALL PALMS AND TREES) TO THE L.A. FOR APPROVAL PRIOR TO PLANTING.

THE CONTRACTOR SHALL BE RESPONSIBLE TO FILL THE PLANTING MIX TO A DEPTH WHICH WILL BE 4" FROM THE TOP OF THE PLANTING WALL. SOIL & BALLAST ROCK QUANTITIES ARE APPROX. & WILL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR FINAL GRADE AS PER THIS NOTE.

PLANTLIST

SYM. NATIVE	NAME	BOTANICAL NAME	SPECIFICATION
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PROPOSED TREES

PALMS

SHRUBS, GROUNDCOVERS AND ACCENT PLANTS

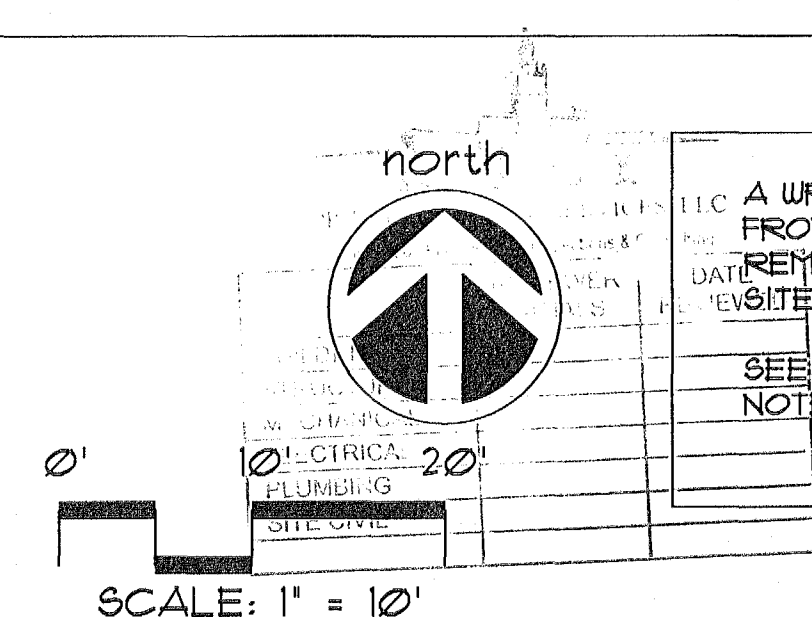
AEC		II	AECHMEA BROMELIAD'S	Aschmea blanchetiana 'Orange'	3 gal, 18" x 18", BULL'S
CRT	YES	25	SMALL-LEAVED CLUSIA	Clusia guttifera	1 GAL., 36" ht., 30" ØC., FTE
CRO		13	CROTON "PETRA"	Codiaeum variegatum	3 gal, 18" x 18", 18" ØC., full
F33		215	'GREEN ISLAND' FICUS	Ficus 'Green Island'	3 gal, 18" x 18", 18" ØC., full
HPD	YES	25	DIWAN FIREBUSH	Hamelia nodosa	3 gal, 18" x 18", 18" ØC.
FO1		25	PODOCARPUS HEDGE	Podocarpus spp.	1 gal, 30" x 24", full heavy

TOPSOIL:

71 C.Y.	2100 MIX' FOR PLANTING-PER ATLAS FEAT AND SOIL FOR PLANTER BOXES
	BASED UPON A 2' DEPTH-CONTRACTOR SHALL VERIFY DEPTH PRIOR TO PLANTING.
	952 SF. X 2' (depth) = 1904/21 = 71 C.Y.

MULCHING

9 C.Y./-	PINE BARK NUGGETS	3' DEPTH, SPREAD IN PLACE, ATLAS FEAT AND SOIL
		PROVIDE SAMPLE FOR APPROVAL PRIOR TO INSTALLATION
---	TOPSOIL, SOD AND MULCH QUANTITIES SHOWN ARE APPROXIMATE, CONTRACTOR	TO PROVIDE A UNIT PRICE PER UNIT AND WILL BE PAID ON THAT UNIT PRICE BASIS
		UPON FINAL INSPECTION AND APPROVAL.



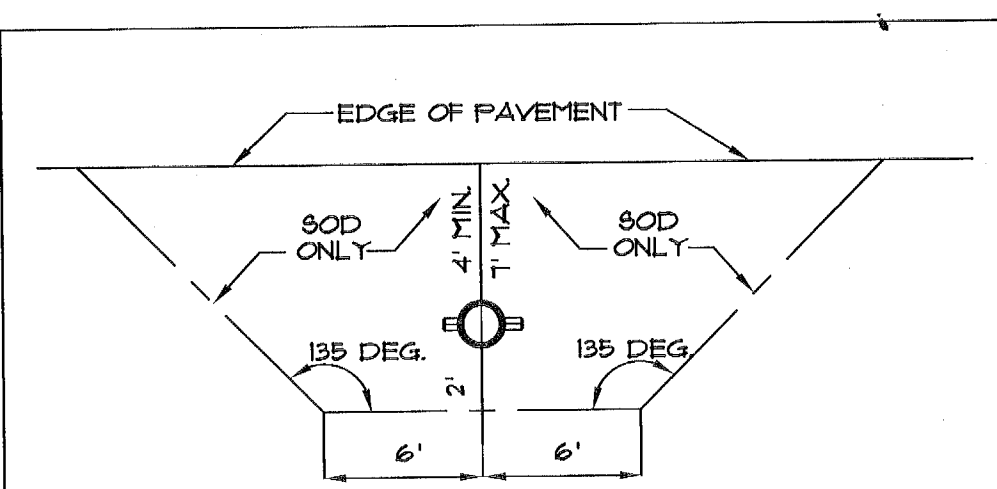
ROOF LEVEL LANDSCAPE PLAN

No.	DESCRIPTION	DATE
1.	Per notes included from Project A32	06/09/11
2.		
3.		
4.		
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LANDSCAPE NOTES

1. ALL PLANT MATERIAL SHALL BE FLORIDA NO. 1 GRADE OR BETTER.
2. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE LOCATION OF AND AVOID AND PROTECT UTILITY LINES, BURIED CABLES, AND OTHER UTILITIES.
3. TREE, PALM, ACCENT AND BED LINES ARE TO BE LOCATED IN THE FIELD AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
4. ALL PLANTING SOIL SHALL BE 50:50 TOPSOIL: SAND MIX, FREE OF CLAY, STONES, ROCKS, OR OTHER FOREIGN MATTER. THIS SPECIFICATION INCLUDES ALL BACKFILL FOR BERRIS AND OTHER LANDSCAPE AREAS.

SODDED-LAWN AREAS:
2" DEPTH PLANTING SOIL SPREAD IN PLACE- THROUGHOUT.
GROUNDCOVER PLANTING BEDS:
6" DEPTH PLANTING SOIL SPREAD IN PLACE- THROUGHOUT.
SHRUB AND HEDGE PLANTING AREAS:
12" DEPTH PLANTING SOIL SPREAD IN PLACE- THROUGHOUT.
TREES, PALMS, SPECIMEN PLANT MATERIAL:
24" DEPTH PLANTING SOIL SPREAD IN PLACE OR, TO THE DEPTH OF THE ROOTBALL OR CONTAINER WHICHEVER IS GREATEST.
LANDSCAPE ISLANDS AND BUILDING FOUNDATIONS:
EXCAVATE AND REMOVE ALL LIMEROCK, ROCKS, DEBRIS, ETC. TO A DEPTH OF 18" AND BACKFILL W/ 50:50 TOPSOIL: SAND MIX.
BUILDING FOUNDATIONS SHALL BE THE SAME DEPTH TO A WIDTH OF 36" FROM THE BUILDING BASE.
5. THE SITE CONTRACTOR SHALL BE RESPONSIBLE TO BRING ALL GRADES TO WITHIN 2" OF FINAL GRADES. THIS SHALL INCLUDE A 2" APPLICATION OF 50:50 TOPSOIL: SAND MIX FOR ALL LANDSCAPE AND AREAS TO BE SODDED.
6. THE LANDSCAPE CONTRACTOR SHALL CALCULATE AND SUBMIT AN ITEMIZED PRICE FOR THE 2" APPLICATION OF 50:50 MIX FOR ALL SOD AREAS AS A REFERENCE IN THE CASE THAT THERE WOULD BE A DISCREPANCY BETWEEN SITE AND LANDSCAPE CONTRACTORS AND NOTIFY THE SITE CONTRACTOR OR PROJECT SUPERINTENDENT AS TO THIS DISCREPANCY. IT WILL THEN BE DETERMINED WHICH PARTY WILL PROVIDE THIS 2" TOPSOIL: SAND APPLICATION AND SUBSEQUENT PAYMENT.
OTHER PLANTING SOIL MIXES TO BE ADDED, I.E. FOR TREES, PALMS, SPECIMEN PLANTS, SHRUBS AND GROUNDCOVERS SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR AND BE INCLUSIVE WITH THE LANDSCAPE BID.
7. CONTRACTOR SHALL COORDINATE WITH THE IRRIGATION CONTRACTOR AND LEAVE PROVISIONS FOR ALL, INCLUDING UNDERGROUND UTILITY LINE LOCATIONS DIAL 811 "NO CUTS" AS REQUIRED BY LAW.
8. ALL PLANTING BEDS SHALL BE MULCHED TO A DEPTH OF 3" WITH AN APPROVED RECYCLED MULCH BY THE PRESIDING GOVERNING AGENCY. NO HEAVY METALS, I.E. ARSENIC, LEAD, ETC. ARE TO BE CONTAINED IN THE MULCH AND THE CONTRACTOR SHALL PROVIDE CERTIFICATION OR PROOF THAT ALL MULCH IS FREE OF HEAVY METALS OR SIMILAR ENVIRONMENTAL CONTAMINANTS.
9. SOD SHALL BE ARGENTINE "BAHIA" OR ST. AUGUSTINE "FLORATANT" AS SHOWN ON THE PLANS. STRONGLY ROOTED, FREE FROM WEED, FUNGUS, INSECTS AND DISEASE. CONTRACTOR SHALL SOD ALL AREAS AS INDICATED ON THE PLAN OR AS DIRECTED. PAYMENT SHALL BE DETERMINED BY THE TOTAL MEASURED SODDED AREAS X THE UNIT PRICE SUBMITTED AND FIELD VERIFIED.
10. SOD SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS AS DEFINED BY FDOT. SOD SHALL CARRY A 5-MONTH WARRANTY.
11. ALL TREES, PALMS, SHRUBS AND GROUNDCOVERS SHALL CARRY A ONE-YEAR WARRANTY FROM THE DATE OF FINAL ACCEPTANCE.
12. ALL TREES AND PALMS SHALL BE STAKED PER ACCEPTED STANDARDS BY THE FLORIDA NURSERYMEN & GROWERS LANDSCAPE ASSOCIATION (FNLGA). THERE SHALL BE ONE FINAL INSPECTION FOR APPROVAL BY THE PRESIDING GOVERNING AGENCY. CONTRACTOR SHALL INSURE THAT THE PLANS, DETAILS, SPECIFICATIONS AND NOTES HAVE BEEN ADHERED TO AND THAT THE LANDSCAPE AND IRRIGATION INSTALLATION IS COMPLIANT TO ALL ITEMS AS DIRECTED ON THE PLANS PRIOR TO SCHEDULING OF THE FINAL INSPECTION.
13. THE PLANT LIST IS INTENDED ONLY AS AN AID TO BIDDING. ANY DISCREPANCIES FOUND BETWEEN THE QUANTITIES ON THE PLAN AND PLANT LIST, THE QUANTITIES ON THE PLAN SHALL BE HELD VALID.
14. IRRIGATION SHALL PROVIDE FOR A 100% COVERAGE WITH A 100% OVERLAP, AUTOMATIC SYSTEM W/ RAIN MOISTURE SENSOR ATTACHED TO CONTROLLER. ALL FLORIDA BUILDING CODE APPENDIX "F" IRRIGATION REQUIREMENTS SHALL BE STRICTLY ADHERED TO FOR INSTALLATION AND PREVAILING WATER MANAGEMENT DISTRICT RESTRICTIONS AND REGULATIONS SHALL BE IN COMPLIANCE FOR POST-INSTALLATION WATERING SCHEDULES.
15. EXISTING IRRIGATION SYSTEM (IF APPLICABLE) SHALL BE RETROFITTED TO COMPLY WITH THOSE SPECIFICATIONS AS OUTLINED ABOVE.
16. CONTRACTOR SHALL PROVIDE A WATER TRUCK DURING PLANTING TO INSURE PROPER WATERING- IN DURING INSTALLATION AND WILL BE RESPONSIBLE FOR CONTINUAL WATERING UNTIL FINAL ACCEPTANCE BY THE OWNER.
17. ALL EXISTING TREES, PALMS AND PLANT MATERIAL TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. CONTRACTOR SHALL INSTALL PROTECTIVE BARRIERS SUCH AS "TENAX" PROTECTIVE FENCING OR AS SHOWN ON THE DETAILS TO BE INSTALLED AT THE BEGINNING OF THE PROJECT. BARRIERS SHALL BE LOCATED TO INCLUDE THE DRIPLINE OF THE TREES, PALMS AND PLANT MATERIAL WHERE POSSIBLE. THE CONTRACTOR SHALL TAKE EXTRA CAUTION TO PREVENT ANY DAMAGE TO THE TRUNK, BRANCHES, ROOTS, ROOT ZONE AREAS AND ADJACENT GRADES.
18. EXISTING TREES AND PALMS TO REMAIN SHALL BE TRIMMED PER ANSI-320 STANDARDS. SUPERVISION OF THE TRIMMING SHALL BE PERFORMED BY AN ISA-CERTIFIED ARBORIST.
19. ALL EXISTING TREES AND PALMS SHALL BE "LIFTED AND THINNED" TO PROVIDE FOR AN 8' MINIMUM CLEARANCE FOR SIDEWALKS AND PEDESTRIAN WALKWAYS AND A 14' MINIMUM CLEARANCE FOR ROADWAYS, DRIVEWAYS, AND ALL VEHICULAR USE AREAS.
20. REMOVAL OF ANY TREES OR PALMS WILL REQUIRE A WRITTEN "TREE REMOVAL PERMIT" FROM THE LOCAL GOVERNING AGENCY PRIOR TO REMOVAL.
21. ALL PLANTINGS IN NON-IRRIGATED AREAS, I.E. RIGHTS OF WAYS, SWALES, ETC. SHALL BE WATERED- IN THOROUGHLY AND CONTINUED TO BE WATERED THROUGHOUT UNTIL C.O. ACCEPTANCE. COORDINATE WITH OWNER AND PROJECT MANAGER TO PROVIDE POST C.O. WATERING TO INSURE PLANT ESTABLISHMENT FOR A MINIMUM OF ONE YEAR AFTER CERTIFICATE OF OCCUPANCY ACCEPTANCE.

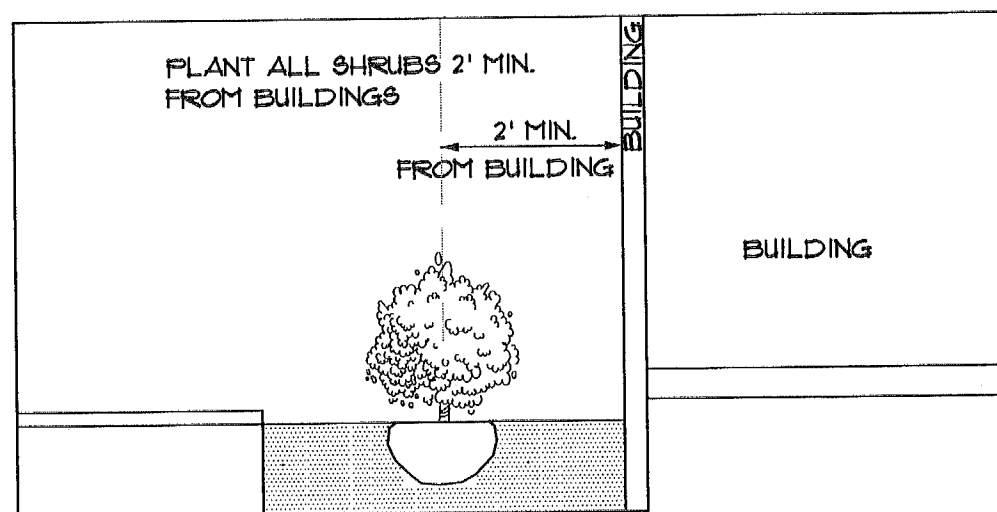


REQUIREMENTS APPLY TO FIRE HYDRANTS, SIAMENGE CONNECTIONS AND ANY OTHER FIRE EQUIPMENT FOR UTILIZING FIRE HOSE, ON PUBLIC OR PRIVATE PROPERTY.
BY THE AUTHORITY OF THE SOUTH FLORIDA FIRE PREVENTION CODE SECTION 5212

THIS DIAGRAM SHALL APPEAR ON ALL LANDSCAPE PLANS PRIOR TO APPROVAL.
THE CLEAR ZONE SHALL BE FREE OF LANDSCAPE (EXCEPT SOD), MAILBOXES, PARKING, LAMP-POSTS AND ALL OTHER OBJECTS.
EXCEPTIONS: OTHER FIRE FIGHTING EQUIPMENT OR TRAFFIC POSTS TO PREVENT FIRE FIGHTING EQUIPMENT.

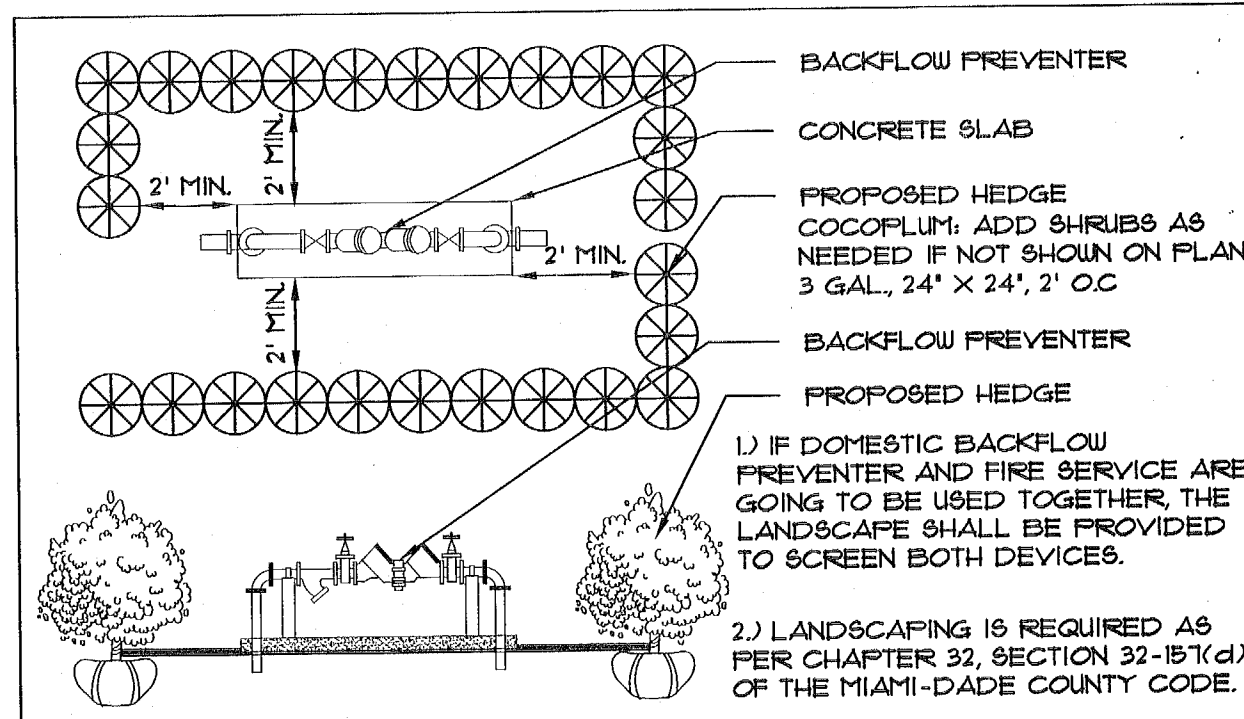
FIRE HYDRANT CLEAR ZONE

N.T.S.



SHRUB PLANTINGS BUILDING DETAIL

N.T.S.



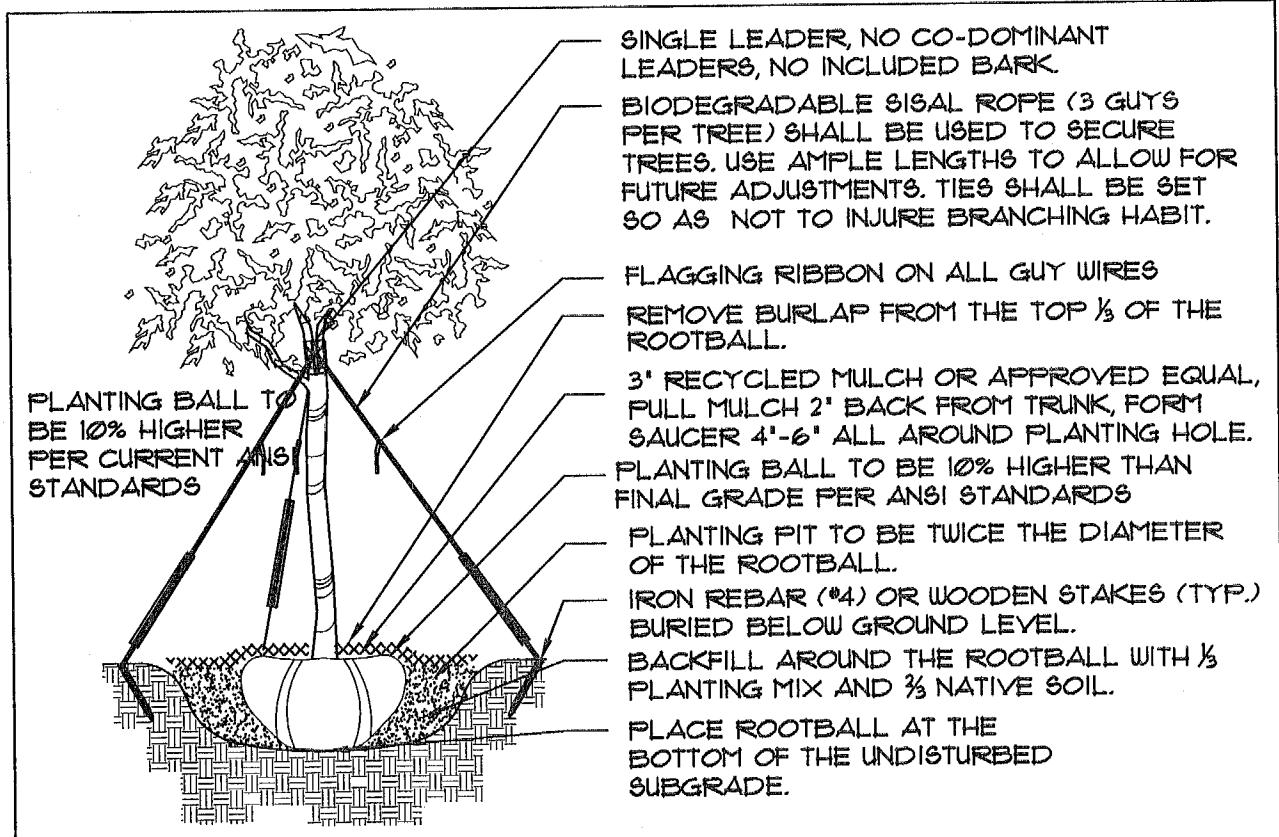
TYPICAL PLANTING SCREEN FOR ABOVE-GROUND UTILITIES

N.T.S.

FERTILIZATION:

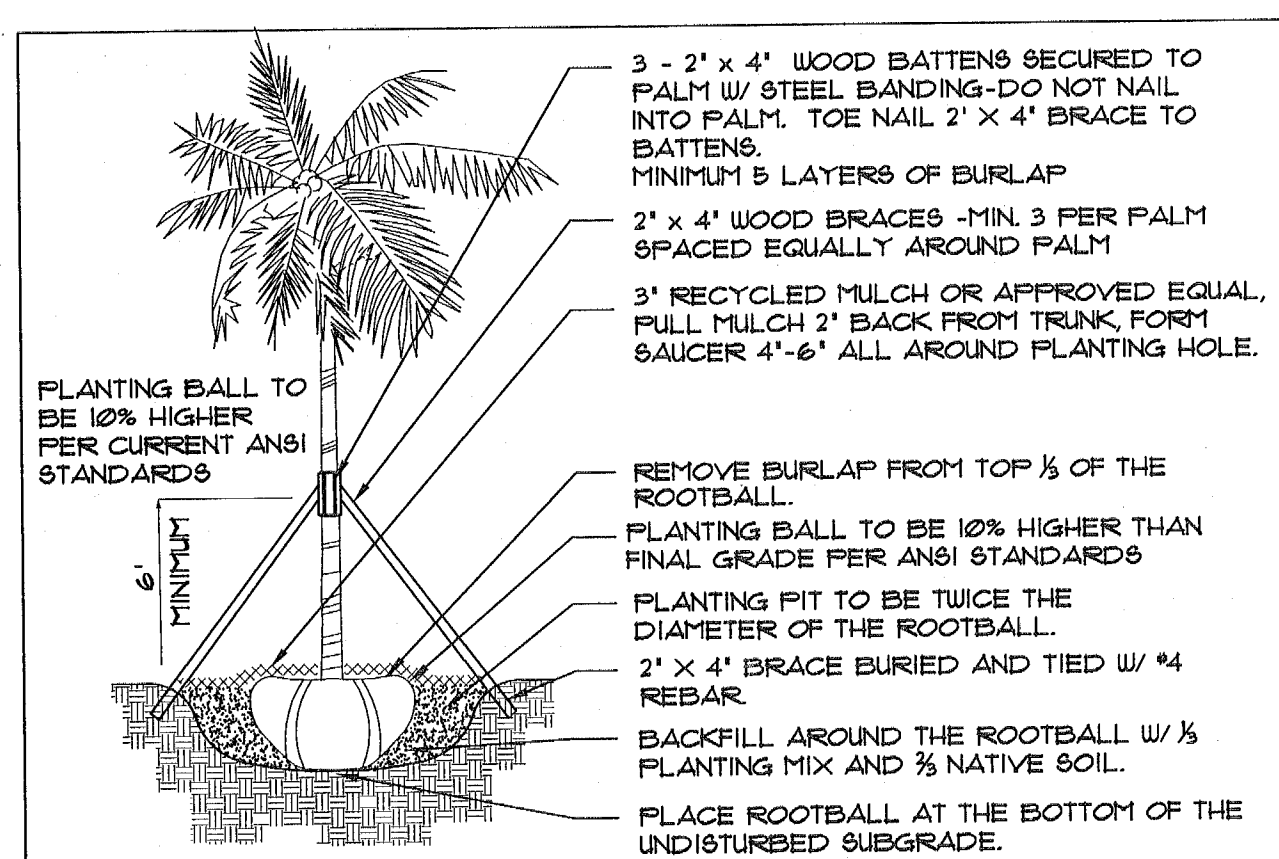
ONE COMPLETE APPLICATION OF GRANULAR FERTILIZER SHALL BE APPLIED PRIOR TO FINAL ACCEPTANCE AND APPROVAL BY THE LANDSCAPE ARCHITECT. AN ADDITIONAL FERTILIZATION PROGRAM SHALL BE SUBMITTED TO THE PROJECT MANAGER FOR AN ANNUAL FERTILIZATION APPLICATION PROGRAM. FERTILIZERS SHALL BE PER ATLANTIC -AFEC FERTILIZER & CHEMICAL (AFEC) OR AN APPROVED EQUAL. CONTRACTOR SHALL SUBMIT FERTILIZATION AS A SEPARATE ITEM IN THE BID.

FERTILIZATION SHALL BE AS FOLLOWS: TREES: 12-06-08 (AFEC # 5231) RATE: 15 LBS/ INCH OF DIA. # DBH PALMS: 12-04-12 (AFEC # 7216) RATE: 15 LBS/ INCH OF DIA. # DBH SHRUBS AND GROUNDCOVERS: 12-06-08 AFEC # 5231) RATE: 15 OZ/ FT. OF HEIGHT



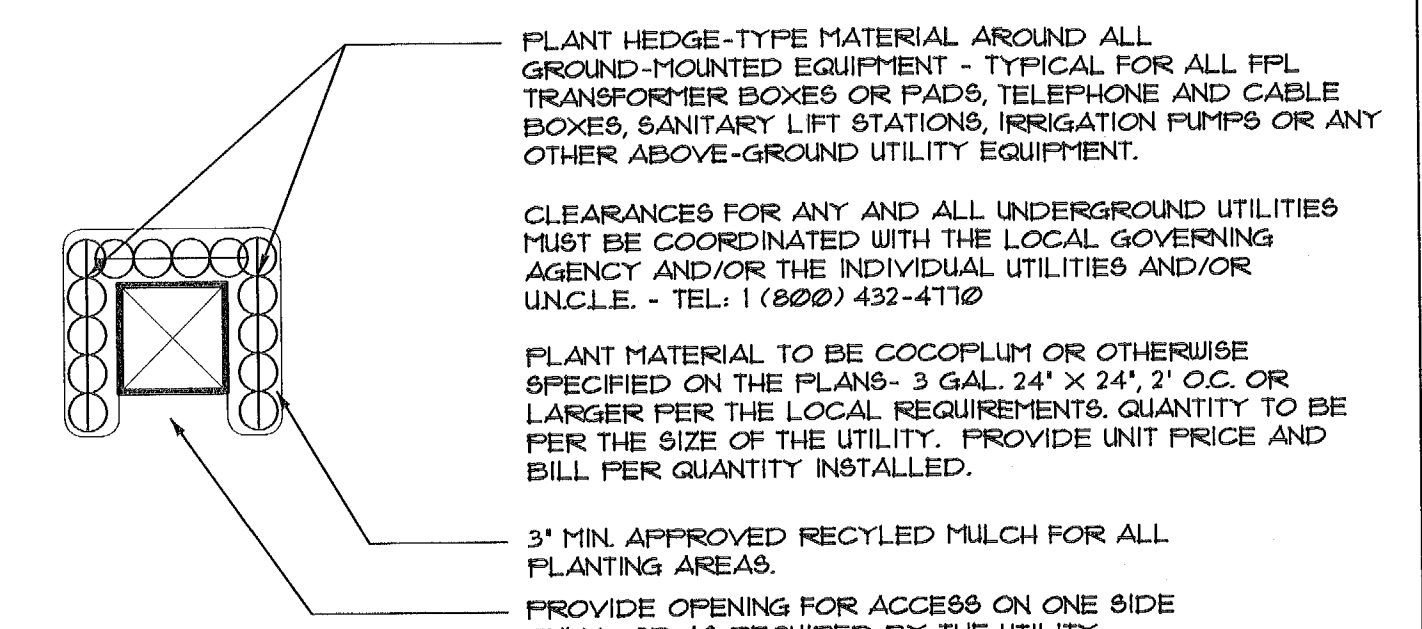
TREE PLANTING DETAIL

N.T.S.



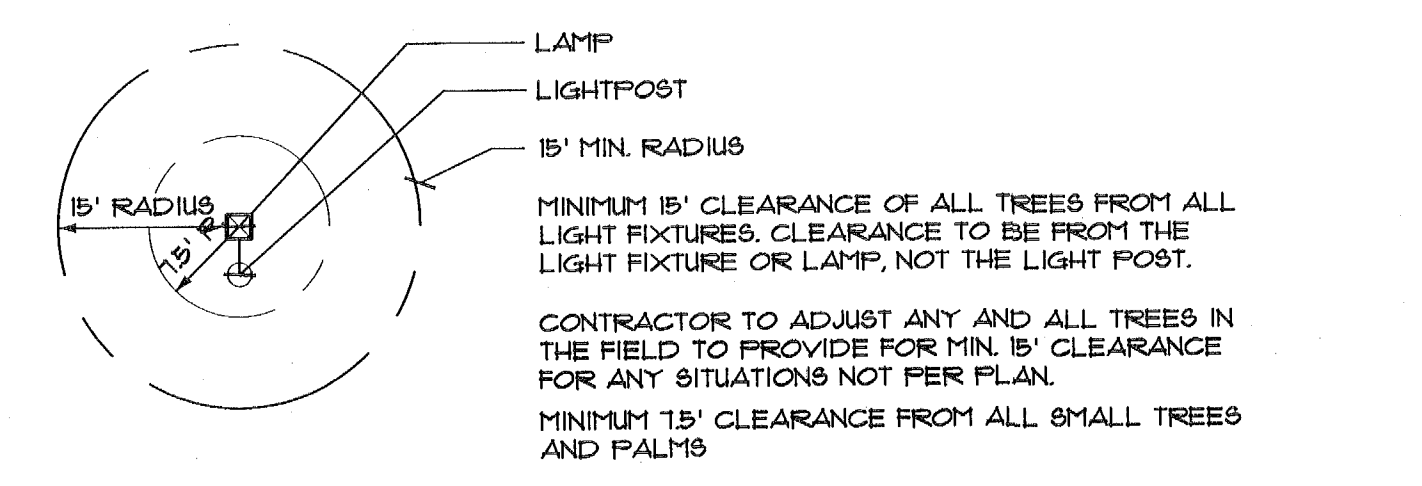
PALM PLANTING DETAIL

N.T.S.



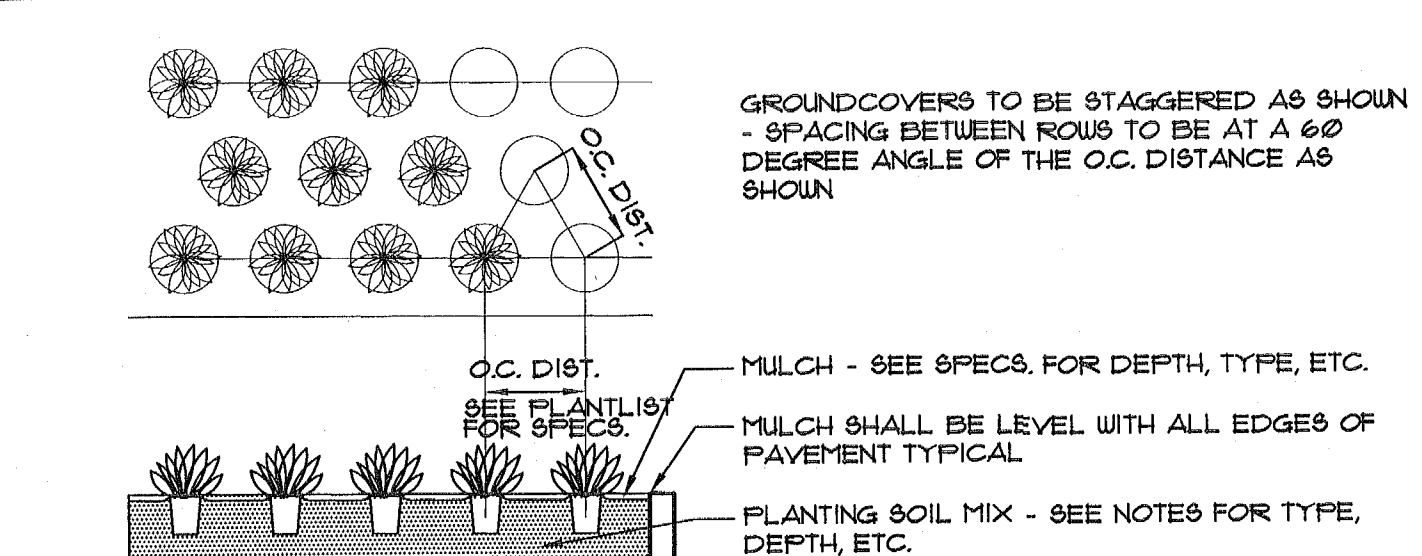
TYPICAL PLANTINGS FOR GROUND-MOUNTED EQUIPMENT

N.T.S.



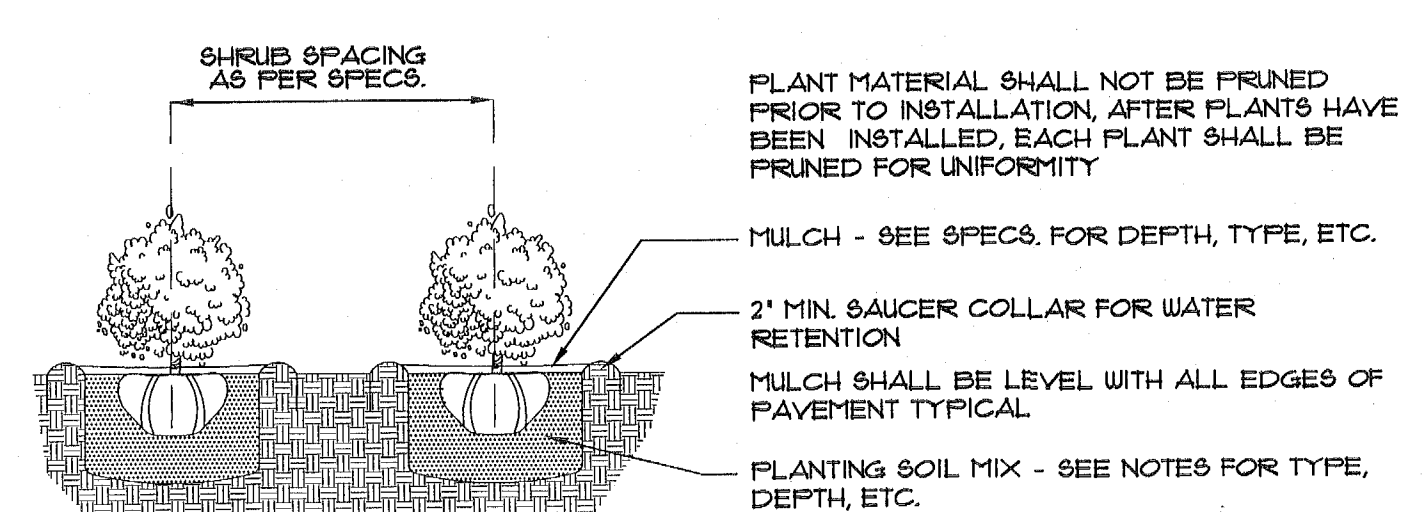
MINIMUM TREE CLEARANCE FROM LIGHT FIXTURES

N.T.S.



GROUNDCOVER DETAIL

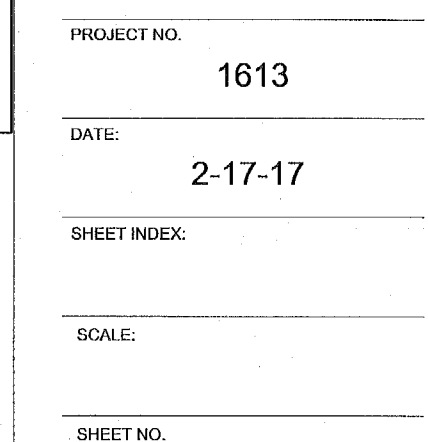
N.T.S.



SHRUB PLANTING DETAIL

N.T.S.

LANDSCAPE DETAILS, SPECIFICATIONS, ETC.



LANDSCAPE LIGHTING PLAN

LL-1

PALOMAR-ALTON ROAD-17th STREET HOTEL LANDSCAPE FIXTURE SCHEDULE							
Type	Manufacturer	Model#	Lamp	Voltage	Accessories	Notes	
1	LED BOLLARD	ACUITY	DSXB LED 12C 530 40K ASY MMOLT TBD	22W LED 4000K	MMOLT		FINISH TBD
2	ACCENT UP LIGHT	HYDREL	ASPEN A M50 12 NR WSL 350R STK C1 TBD	50W MR16	120	TRANSFORMER REQ.	MLV DM TRANSFORMER REQ.
							FINISH TBD
	contact						

JARRED FOX, LEED GREEN ASSOCIATE
POWER AND LIGHTING SYSTEMS, INC.
3832 SHIPPING AVE.
MIAMI, FL. 33145

TEL: 305 444-8520
jfox@jp-ls.com

MECHANICAL

ELECTRICAL

PLUMBING

SITE CIVIL

08/06/2010

3A

D-Series LED Bollard

Specifications
Diameter: 8" Round
Height: 42" (1067mm)
Weight: 27 lbs (12.2 kg)

Ordering Information
EXAMPLE: DSXB LED 16C 700 40K SYM MVOLT D08XD

DSXB LED	SYMMETRIC	16C	700	40K	SYMMETRIC	MVOLT	D08XD
DSXB LED	SYMMETRIC	16C	700	40K	SYMMETRIC	MVOLT	D08XD

Accessories
DSXB LED 16C 700 40K SYM MVOLT D08XD

Notes
1. Only available in 100, 40K version.
2. Only available in 100, 40K version.
3. Only available in 100, 40K version.
4. Only available in 100, 40K version.
5. Only available in 100, 40K version.
6. Only available in 100, 40K version.
7. Only available in 100, 40K version.
8. Only available in 100, 40K version.
9. Only available in 100, 40K version.
10. Only available in 100, 40K version.

Performance Data

Projected LED Lumen Maintenance

Electrical Load

Photometric Diagrams

FEATURES & SPECIFICATIONS

INTENDED USE

CONSTRUCTION

FINISH

OPTICS

ELECTRICAL

WARRANTY

Notes

ASPEN WINSCAPE® 12V MR16

DESCRIPTION

ORDERING INFORMATION

EXAMPLE: ASPEN 55 MS0 12 NSP WSL KM CM4 LPI BL

ASPEN	55	MS0	12	NSP	WSL	KM	CM4	LPI	BL
ASPEN	55	MS0	12	NSP	WSL	KM	CM4	LPI	BL

STK

TO BE DETERMINED

Notes

DISTRIBUTION & PHOTOMETRIC DATA

FEATURES & SPECIFICATIONS

Notes

A WRITTEN TREE REMOVAL PERMIT IS REQUIRED FROM THE CITY OF MIAMI BEACH PRIOR TO REMOVAL OF ANY TREES OR PALMS FROM THIS SITE.

SEE SHEET L-2 FOR ROOF LEVEL LANDSCAPE PLANTINGS.

SEE SHEET L-3 FOR LANDSCAPE DETAILS, NOTES, SPECIFICATIONS, ETC.

City of Miami Beach
Fire Prevention Division
PLANS APPROVED

NO. DESCRIPTION DATE

1613

2-17-17

SHEET INDEX

SCALE

SHEET NO.

LANDSCAPE LIGHTING DETAILS