

Drawing name: G:\Projects\PA113047\Indigenous Park\EDS4doc\ATLANTIC BLVD\01_PERMIT SET\3047-ATL_RELOC_01_GC-000_COVR.dwg GC-0.00 Dec 11, 2017 11:38am by jjohnson



ATLANTIC BLVD. RELOCATION

KEY WEST, FLORIDA

PERMIT SET SUBMITTAL

November 8, 2017

PREPARED BY:



1512 E. BROWARD BOULEVARD, SUITE 110
FORT LAUDERDALE, FLORIDA 33301 USA
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SHEET LIST

GC-0.00	COVER SHEET
LX-1.01	EXISTING CONDITIONS SITE SURVEY
LX-2.01	EXISTING TREE DISPOSITION PLAN & SCHEDULE
LD-1.01	DEMOLITION PLAN
LA-1.01	OVERALL SITE PLAN
LH-1.01	HARDSCAPE - MATERIALS & DETAIL KEY PLAN
LH-2.01	HARDSCAPE - LAYOUT PLAN
LH-5.01	HARDSCAPE - DETAILS
LP-0.01	LANDSCAPE - GENERAL NOTES
LP-1.01	LANDSCAPE - TREES & SHRUBS PLAN & SCHEDULE
LP-5.01	LANDSCAPE - DETAILS
LL-1.01	SITE LIGHTING PLAN
LL-5.01	SITE LIGHTING DETAILS
C-1	ROADWAY & DRAINAGE PLAN
C-2	SIGNAGE & PAVEMENT MARKING PLAN
C-3	CIVIL DETAILS

Client:



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Site Map:

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Date:	11.08.2017		
Designed By:	PD		
Drawn By:	PD		
Approved By:	PK		
Project No:	113047		
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Project Phase:
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Sheet Title:
COVER SHEET

Sheet Number:
GC-0.00

Drawing name: G:\Projects\PK113047\Indigenous Park\EDS4doc\ATLANTIC BLVD\01_EXIST SURV.dwg LX-101 Dec 11, 2017 11:42am by jhobson



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Date: 11.08.2017

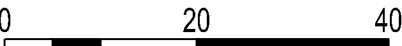
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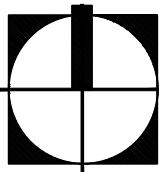
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Project No: 113047

Scale: 1" = 20'-0"



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Project Phase:

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Sheet Title:

**SURVEY OF EXISTING
CONDITIONS**

Sheet Number:

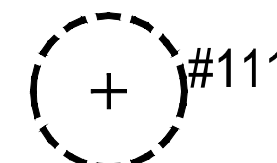
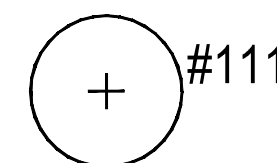
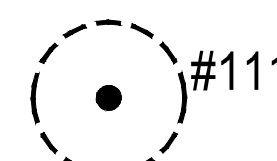
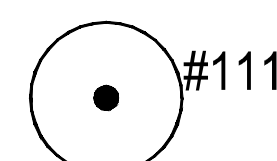
LX-1.01

Drawing name: G:\Projects\IPK113047 Indigenous Park\EDS\Atlantic Blvd\01_EXIST TREE DISP.dwg LX-201 Dec 11, 2017 11:43am by jhanson



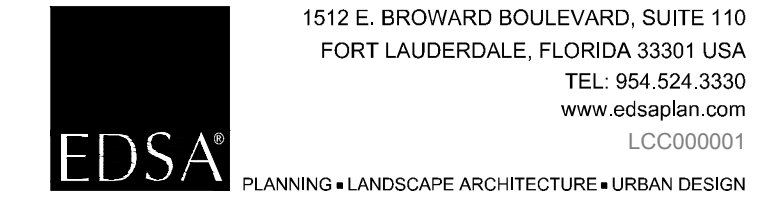
TREE #	SPECIES (Scientific)	TREE SPECIES (Common)	TRUNK DIAMETER (dbh)	CANOPY SPREAD	DISPOSITION (STAY, RELO. DEMO)
100	Cocos nucifera	Coconut Palm			Stay
101	Cocos nucifera	Coconut Palm			Stay
102	Cocos nucifera	Coconut Palm			Relocate
103	Cocos nucifera	Coconut Palm			Relocate
104	Cocos nucifera	Coconut Palm			Relocate
105	Cocos nucifera	Coconut Palm			Relocate
106	Cocos nucifera	Coconut Palm			Relocate
107	Cocos nucifera	Coconut Palm			Relocate
108	Cocos nucifera	Coconut Palm			Relocate
109	Cocos nucifera	Coconut Palm			Relocate
110	Cocos nucifera	Coconut Palm			Relocate
111	Sabal Palmetto	Sabal Palm	4' OA		Relocate
112	Cordia sebestena	Orange Geiger Tree	2.5"		Stay
2154	Cocos nucifera	Coconut Palm	8"	12'	Stay
2155	Cocos nucifera	Coconut Palm	7"	10'	Stay
2156	Cocos nucifera	Coconut Palm	7"	16'	Stay
2157	Cocos nucifera	Coconut Palm	10"	16'	Stay
2158	Cocos nucifera	Coconut Palm	7"	12'	Stay
2159	Cocos nucifera	Coconut Palm	8"	12'	Relocate
2160	Cocos nucifera	Coconut Palm	7"	12'	Relocate
2161	Cocos nucifera	Coconut Palm	7"	12'	Relocate
2162	Cocos nucifera	Coconut Palm	6"	12'	Relocate
2163	Cocos nucifera	Coconut Palm	8"	14'	Relocate
2164	Cocos nucifera	Coconut Palm	7"	14'	Relocate
2165	Cocos nucifera	Coconut Palm	8"	10'	Stay
2166	Cocos nucifera	Coconut Palm	10"	10'	Relocate
2167	Cocos nucifera	Coconut Palm	8"	8'	Relocate
2168	Cocos nucifera	Coconut Palm	10"	8'	Relocate
2169	Cocos nucifera	Coconut Palm	7"	8'	Stay
2170	Cocos nucifera	Coconut Palm	9"	7'	Stay
2171	Cocos nucifera	Coconut Palm	7"	10'	Stay
2172	Cocos nucifera	Coconut Palm	12"	16'	Relocate
2173	Cocos nucifera	Coconut Palm	9"	10'	Relocate
2174	Cocos nucifera	Coconut Palm	9"	15'	Relocate
2189	Cocos nucifera	Coconut Palm	7"	12'	Stay
2247	Sabal Palmetto	Cabbage Palm	11"	12'	Relocate
2248	Sabal Palmetto	Cabbage Palm	13"	18'	Relocate
2249	Sabal Palmetto	Cabbage Palm	13"	8'	Relocate
2251	Sabal Palmetto	Cabbage Palm	18"	18'	Stay
2252	Sabal Palmetto	Cabbage Palm	16"	18'	Stay
2253	Sabal Palmetto	Cabbage Palm	13"	18'	Stay
2254	Cocos nucifera	Coconut Palm	11"	12'	Stay
2255	Cocos nucifera	Coconut Palm	12"	10'	Stay
2256	Cocos nucifera	Coconut Palm	11"	12'	Stay
2277	Cocos nucifera	Coconut Palm	10"	16'	Stay
2278	Cocos nucifera	Coconut Palm	8"	16'	Stay
2279	Cocos nucifera	Coconut Palm	11"	16'	Stay
2280	Cocos nucifera	Coconut Palm	9"	12'	Stay
3103	Conocarpus erectus var. sericeus	Silver Buttonwood	14"		Stay
3106	Conocarpus erectus var. sericeus	Silver Buttonwood	12"		Stay
3133	Bursera simaruba	Gumbo Limbo	6"	8'	Stay
5507	Swietenia mahagoni	Mahogany	9"	25'	Stay

LEGEND

	RELOCATE	REMAIN
TREES	 #111	 #111
PALMS	 #111	 #111



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Site Map:

Rev:	Date:	Description:	By:
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Date:	11.08.2017
Designed By:	PD
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Approved By:	PK
Project No:	113047
Scale: 1" = 20'-0"	

Seal:

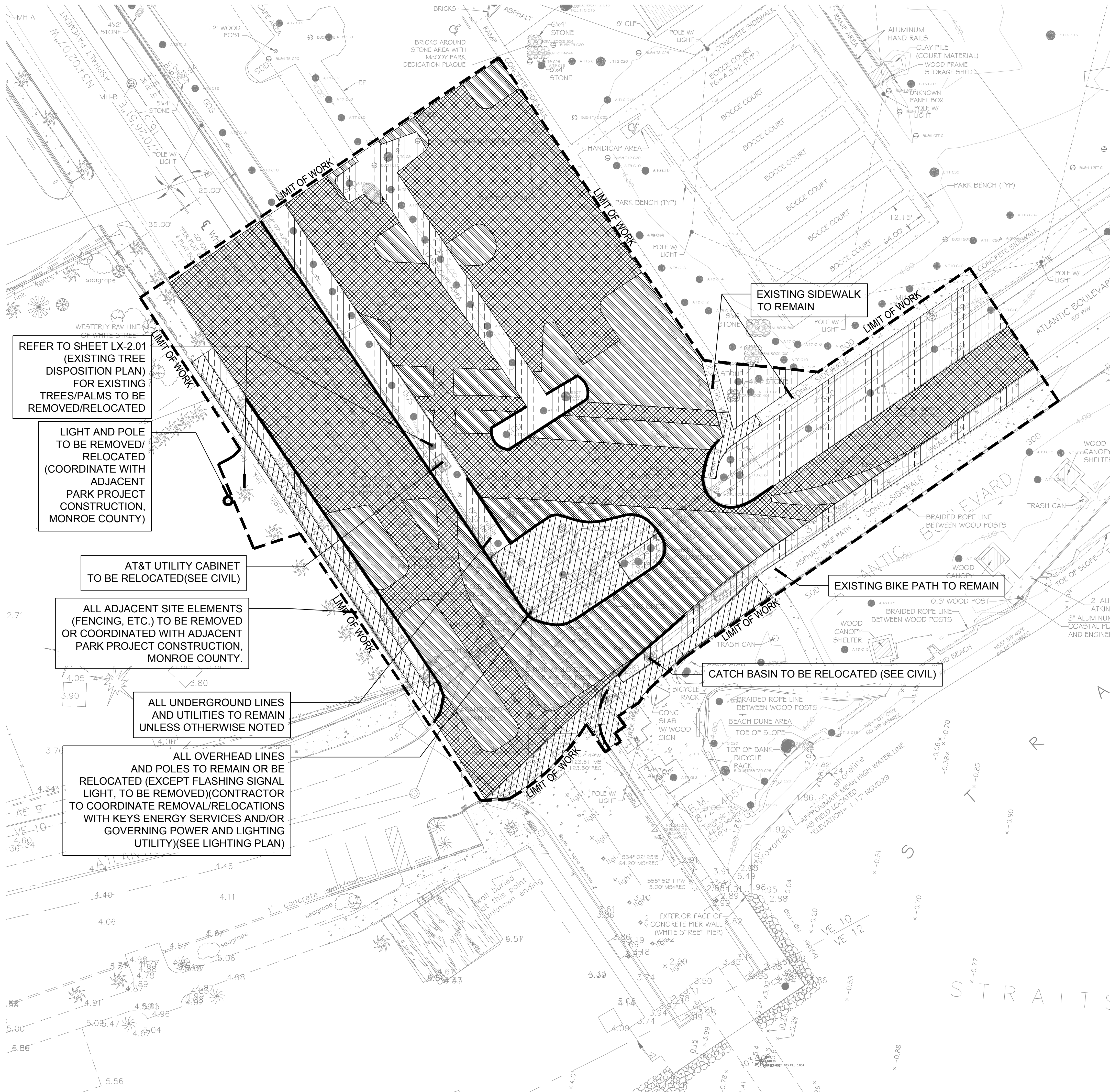
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Sheet Title:
**EXISTING TREE DISPOSITION
PLAN & SCHEDULE**

Sheet Number:

LX-2.01

Drawing name: G:\Projects\PK113047\Indigenous Park\EDS\doc\ATLANTIC BLVD\01_DEMO.dwg LD-101 Dec 11, 2017 11:45am by jphanson



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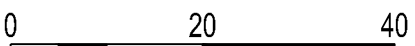
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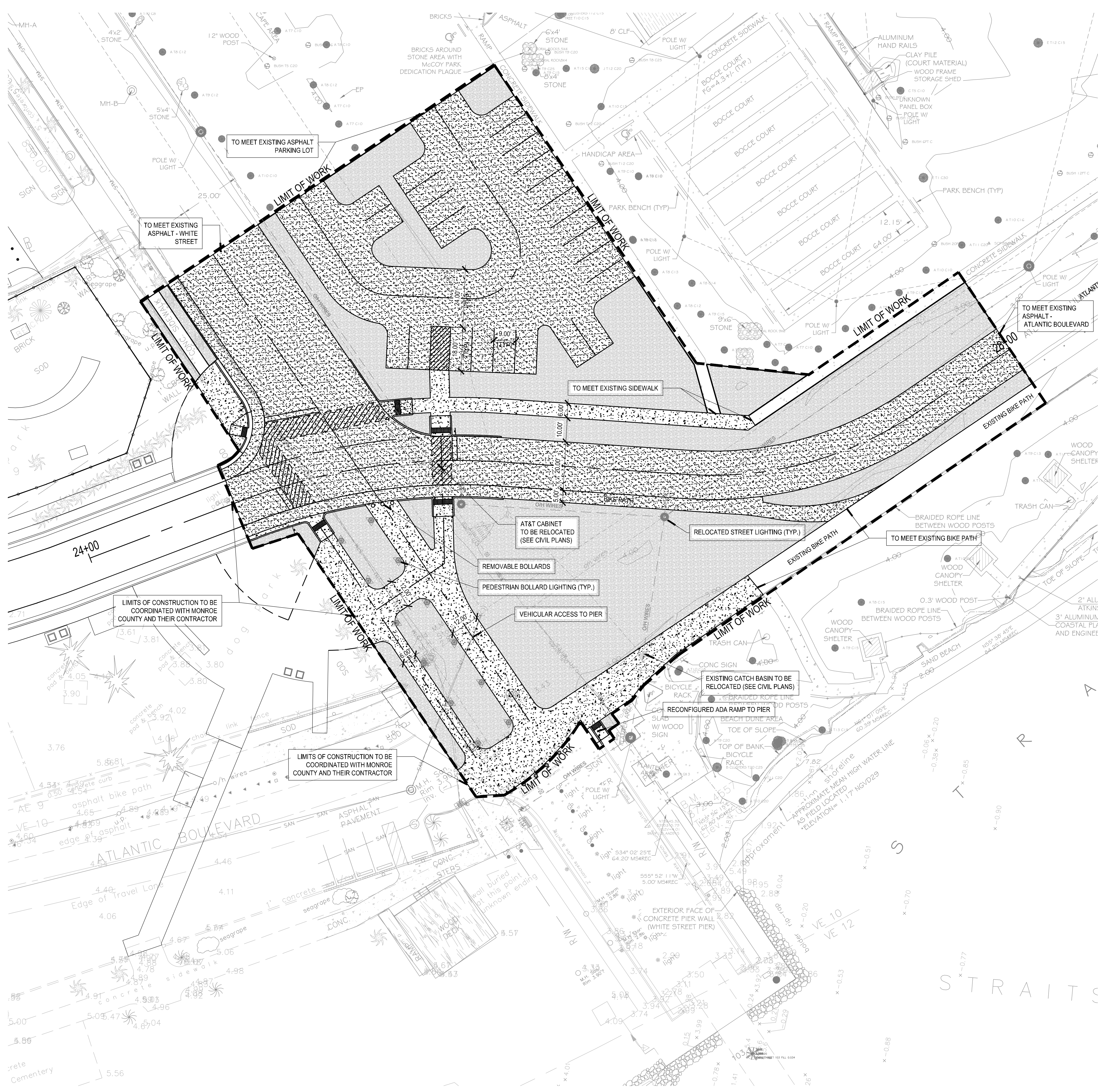
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Sheet Title:

DEMOLITION PLAN

Sheet Number:

LD-1.01



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Site Map:

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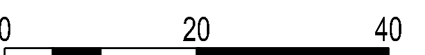
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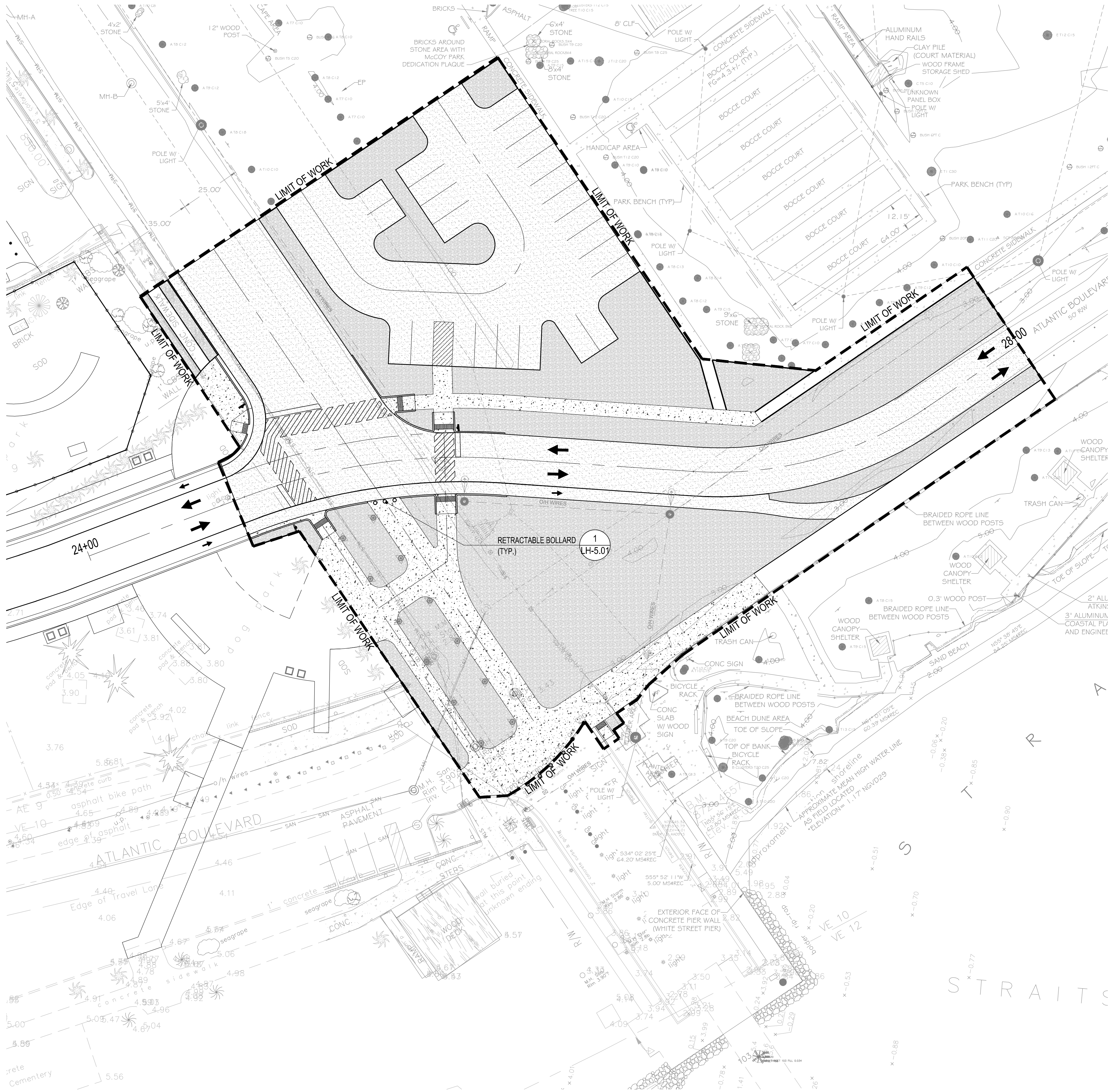
Sheet Title:

OVERALL SITE PLAN

Sheet Number:

LA-1.01

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HARDSCAPE MATERIALS LEGEND

- STANDARD GREY CONCRETE WITH SAND BLASTED FINISH
- ASPHALT

Client:



Project Name:
ATLANTIC BLVD. RELOCATION
KEY WEST, FLORIDA



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Project No: 113047

Scale: 1" = 20'-0"

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Project Phase:

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Sheet Title:

HARDSCAPE MATERIAL &
DETAIL KEY PLAN

Sheet Number:

LH-1.01

Drawing name: G:\Projects\IPK113047 Indigenous Park\EDS\doc\ATLANTIC BLVD\01_PERMIT SET\3047-ATL_REL-05_LH-201_HSCP LAYO.dwg LH-201 Dec 11, 2017 11:57am by jjohnson



LEGEND

- STANDARD GREY CONCRETE WITH SAND BLASTED FINISH
- ASPHALT
- BP BASE POINT
- PC POINT OF CURVATURE
- MID MID POINT OF CURVATURE
- PT POINT OF TANGENCY

Client:



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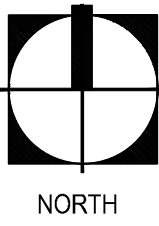
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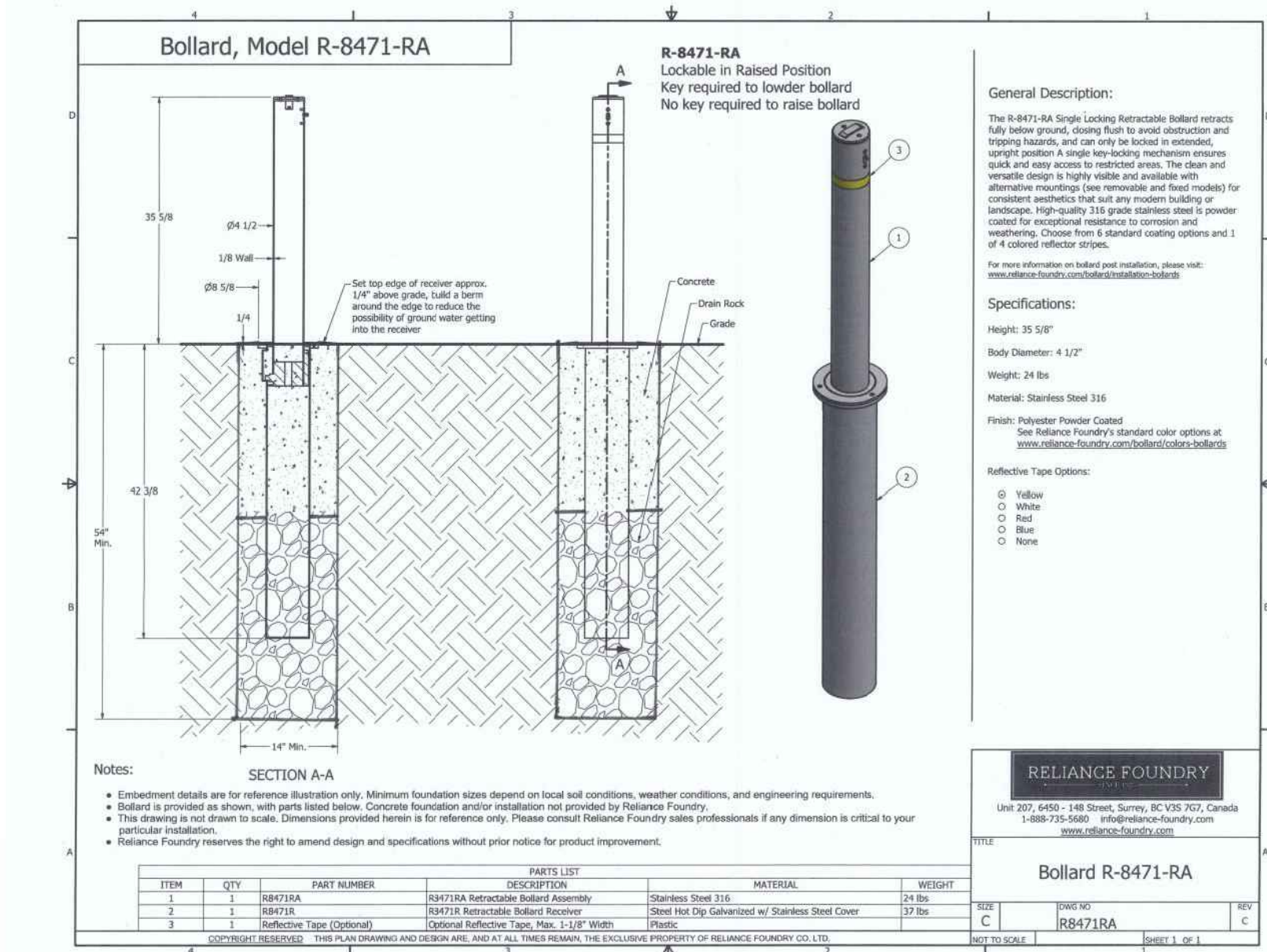
Sheet Title:

**HARDSCAPE LAYOUT
PLAN**

Sheet Number:

LH-2.01

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1 RETRACTABLE BOLLARD

SCALE: N.T.S.

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KEY WEST, FLORIDA



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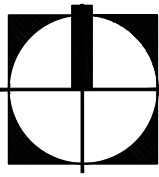
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Sheet Title:

HARDSCAPE - DETAILS

Sheet Number:

LH-5.01



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SOIL PREPARATION AND SOIL MIX:

1.

ALL PLANTS NOTED FOR REMOVAL SHALL BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE AT CONTRACTOR'S EXPENSE UNLESS OTHERWISE NOTED.
2.

APPLY ROUNDUP (MANUFACTURED BY MONSANTO CORP.) ACCORDING TO MANUFACTURER'S RATE AND SPECIFICATION WITHIN LIMITS OF ALL AREAS TO BE PLANTED. PROTECT EXISTING PLANTS TO REMAIN FROM OVER SPRAY OR SPRAY WITHIN ROOT ZONE. CONTRACTOR TO ENSURE TOTAL WEED ERADICATION. CONTRACTOR TO PROVIDE MANUFACTURER'S SPECIFICATIONS FOR APPROVAL.
3.

BEFORE REPLACING TOPSOIL, RAKE SUBSOIL SURFACE CLEAR OF STONES (1" DIAMETER AND LARGER), DEBRIS, RUBBISH, AND REMAINING ROOTS FROM REMOVED PLANT MATERIAL
4.

SCARIFY SUBSOIL TO A DEPTH OF THREE INCHES (3").
5.

CONTRACTOR TO APPLY "SURFLAN" OR APPROVED PRE-EMERGENT HERBICIDE IN ACCORDANCE WITH MANUFACTURER'S RATE AND SPECIFICATIONS. CONTRACTOR TO PROVIDE MANUFACTURER'S SPECIFICATIONS FOR APPROVAL.
6.

PLANTING SOIL MIX FOR TREES, SHRUBS, AND GROUND COVER SHALL CONSIST OF A THOROUGHLY BLENDED MIXTURE OF-

PALMS

90% CLEAN D.O.T. SAND
10% APPROVED TOPSOIL/FLORIDA PEAT MIXTURE

TREES, SHRUBS, GROUND COVER

70% CLEAN DOT SAND
30% APPROVED TOPSOIL/FLORIDA PEAT MIXTURE

TURF

85% CLEAN D.O.T. SAND
15% MIN. APPROVED TOPSOIL/FLORIDA PEAT MIXTURE
7.

FLORIDA PEAT SHALL BE FREE OF DELETERIOUS MATERIALS THAT WOULD BE HARMFUL TO PLANT GROWTH, SHALL BE FREE OF NEMATODES, SHALL BE OF UNIFORM QUALITY, AND SHALL BE STERILIZED TO MAKE FREE OF ALL VIABLE NUT GRASS AND OTHER UNDESIRABLE WEEDS. FLORIDA PEAT SHALL HAVE A PH VALUE BETWEEN 6.5 AND 7.5 (AS DETERMINED IN ACCORDANCE WITH ASTM E70). IF NECESSARY, THE CONTRACTOR SHALL APPLY THE APPROPRIATE SOIL AMENDMENTS ADJUSTING SOIL PH TO ASSURE A PH RANGE OF 6.5 TO 7.5.
8.

TOPSOIL SHALL BE NATURAL, FERTILE, AGRICULTURAL SOIL CAPABLE OF SUSTAINING VIGOROUS PLANT GROWTH. IT SHALL BE OF UNIFORM COMPOSITION THROUGHOUT, WITH ADMIXTURE OF SUBSOIL. IT SHALL BE FREE OF STONES, LUMPS, LIVE PLANTS AND THEIR ROOTS, STICKS, AND OTHER EXTRANEOUS MATTER. SPREAD TOPSOIL MIXTURE TO MINIMUM DEPTH OF 4" THROUGH-OUT ALL LANDSCAPE AND LAWN AREAS. REMOVE ALL ROCKS AND OTHER OBJECTS OVER 1" IN DIAMETER.
9.

SMOOTH ALL SOIL MIXTURE TO FIVE INCHES (5") BELOW TOP OF SURROUNDING PAVEMENT EDGES.
10.

CONTRACTOR TO PROVIDE MINIMUM DRESSING OF THREE INCHES (3") OF GREY GRANITE IN LIEU OF ORGANIC MULCH TO ALL LANDSCAPE AREAS, TYP.
11.

FINISH GRADE ALL TOPSOIL AREAS TO A SMOOTH, EVEN SURFACE, ASSURING POSITIVE DRAINAGE AWAY FROM THE STRUCTURES AND ELIMINATE ANY LOW AREAS WHICH MAY COLLECT WATER.
12.

CONTRACTOR TO REMOVE DEBRIS AND EXCESS MATERIAL IMMEDIATELY FROM JOB SITE.
13.

CONTRACTOR SHALL ASSURE PERCOLATION AND DRAINAGE OF ALL PLANTING PITS PRIOR TO PLANTING. CONTRACTOR WILL BE RESPONSIBLE FOR ALL PLANTS LOST DUE TO THE LACK OF PERCOLATION. THE RELATIVE PERMEABILITY OF THE SOIL SHALL BE 20IN./HR. MIN.
14.

CONTRACTOR SHALL REMOVE ALL STAKING OF TREES AND PALMS AFTER TWELVE (12) MONTHS OF SUBSTANTIAL COMPLETION.
15.

SUBMITTALS:

A. TEST REPORTS

1. RESULTS OF TOPSOIL ANALYSIS
2. RESULTS OF WATER ANALYSIS
3. RESULTS OF PLANTING SOIL MIX ANALYSIS, INCLUDING CONTENT ANALYSIS
4. SOILS TESTING, LABS RECOMMENDATION FOR AMENDMENTS

B. CERTIFICATES

1. MANUFACTURERS CERTIFICATION AND/OR TESTING LABORATORY CERTIFICATION THAT CONTENT OF SOIL CONDITIONERS MEET SPECIFIED REQUIREMENTS
2. LITERATURE AND PROPOSED APPLICATION RATES OF SOIL AMENDMENTS
3. LITERATURE AND PROPOSED APPLICATION RATES FOR ALL HERBICIDES AND STERILIZERS
16.

MECHANICAL ANALYSIS FOR WELL-GRADED TOPSOIL SHALL BE AS FOLLOWS:

SIEVE SIZE

PERCENTAGE PASSING BY DRY WEIGHT

1/4 IN.

90-92%

NO. 10

50-55%

NO. 40

20-25%

NO. 100

4-6%

NO. 200

0-1%
17.

SOIL AMENDMENTS:

A. FERTILIZER

1. ALL FERTILIZERS SHALL BE MANUFACTURED FROM QUALITY MATERIALS, BE FREE FROM IMPURITIES, UNIFORM IN COMPOSITION, MEET RECOGNIZED STANDARDS FOR EFFECTIVENESS, AND BE FREE FLOWING AND SUITABLE FOR APPLICATION WITH APPROVED EQUIPMENT.
2. ALL FERTILIZER SHALL BE DELIVERED TO THE SITE IN BAGS OR OTHER CONVENIENT CONTAINERS, EACH FULLY LABELED, CONFORMING TO THE APPLICABLE STATE FERTILIZER LAWS, AND BEARING THE GRADE AND THE TRADE NAME OF THE PRODUCER.
3. DIE HARD ROOT REVIVER - ENDO AND ECTOMYCORRIZAL INOCULANT, AS MANUFACTURED BY DIE HARD, 1-800/628.6373 OR APPROVED EQUAL.
4. DIE HARD TRANSPLANT - ONE STEP - ENDO AND ECTOMYCORRIZAL INOCULANT, AS MANUFACTURED BY DIE HARD, 1-800/628.6373 OR APPROVED EQUAL.
5. DIE HARD PALM TRANSPLANT - ENDOMYCORRIZAL INOCULANT, AS MANUFACTURED BY DIE HARD, 1-800/ 628.6373 OR APPROVED EQUAL.
6. TIME RELEASE, PALM MIX FERTILIZER WITH MINOR ELEMENTS OR APPROVED EQUAL.
7. TIME RELEASE, TREE AND SHRUB MIX FERTILIZER, 6-6-6, WITH MINOR ELEMENTS OR APPROVED EQUAL.
8. AGRIFORM PLANTING TABLETS, 8-8-8 PLUS MINORS, AS MANUFACTURED BY GRACE SIERRA, 1-(408) 263.8080 OR APPROVED EQUAL.
9. WETTING AGENT TO BE TERRA SORB OR APPROVED EQUAL.
10. SOIL CONDITIONER TO BE "SUPER LESCO WET", AS MANUFACTURED BY LESCO, INC. OR APPROVED EQUAL.

B. WATER: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THE NECESSARY CLEAN AND POTABLE WATER TO THE SITE FOR USE IN WATERING.
- C. SAND: CLEAN, SHARP, BUILDERS SAND, FREE DRAINING AND FREE OF SUBSTANCES HARMFUL TO GROWTH OF PLANTS.

D. PEAT: FLORIDA PEAT FROM APPROVED SOURCE.

E. COMPOST: FROM APPROVED SOURCE.
- PLANTING NOTES :
1.

LANDSCAPE CONTRACTOR SHALL COORDINATE ALL WORK WITH RELATED CONTRACTORS AND WITH THE GENERAL CONSTRUCTION OF THE PROJECT IN ORDER NOT TO IMPEDE THE PROGRESS OF THE WORK OF OTHERS OR THE CONTRACTOR'S OWN WORK. LANDSCAPE CONTRACTOR SHALL PROVIDE SCHEDULE OF HIS/HER WORKS AT A MINIMUM OF TWO WEEKS IN ADVANCE, BEGINNING TWO WEEKS PRIOR TO COMMENCING LANDSCAPE TRADE CONSTRUCTION.

2.

CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE EXISTING GROUND COVER FOR ALL PLANTING BEDS AS SPECIFIED PRIOR TO PLANTING MATERIAL. CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ALL PORTIONS OF EXISTING LANDSCAPE AND HARDSCAPE AREAS DAMAGED TO THE SATISFACTION OF THE OWNER, IT'S REPRESENTATIVE, OR LANDSCAPE ARCHITECT.

3.

THE LOCATIONS OF PLANTS, AS SHOWN IN THESE PLANS, ARE APPROXIMATE. THE FINAL LOCATIONS MAY BE ADJUSTED TO ACCOMMODATE UNFORESEEN FIELD CONDITIONS TO COMPLY WITH SAFETY CRITERIA, TO AVOID CREATING UNSAFE SIGHT CONDITIONS, OR AS OTHERWISE DIRECTED BY OR APPROVED BY THE LANDSCAPE ARCHITECT.

4.

CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF ALL PLANT MATERIALS, INCLUDING TEMPORARY IRRIGATION AND FERTILIZATION IF NECESSARY DURING CONSTRUCTION, WHILE BEING HELD IN LANDSCAPE HOLDING AREAS.

5.

THE CONTRACTOR SHALL BEAR ALL COSTS OF TESTING OF SOILS, AMENDMENTS, ETC. ASSOCIATED WITH THE WORK AND INCLUDED IN THE SPECIFICATIONS. PRIOR TO COMMENCEMENT OF THE LANDSCAPE PLANTING WORK THE CONTRACTOR SHALL PROVIDE COMPLETE SOIL TESTS WITH RECOMMENDATIONS FOR THE INSTALLATION AREA.

6.

ALL PLANT MATERIAL THAT MAY NEED TO BE REPLACED SHALL BE IN FULL AND STRICT ACCORDANCE TO FLORIDA NO. 1 GRADE, ACCORDING TO THE "GRADES AND STANDARDS FOR NURSERY PLANTS", PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL REPLACEMENT MATERIAL SHALL MATCH THE SIZE AND QUALITY OF THE MATERIAL BEING REPLACED.

7.

LANDSCAPE CONTRACTOR SHALL FIELD STAKE THE LOCATION OF TREES AND ALL SHRUB BEDS PRIOR TO INITIATING INSTALLATION FOR THE REVIEW AND APPROVAL OF THE OWNER, IT'S REPRESENTATIVE, OR LANDSCAPE ARCHITECT. LANDSCAPE CONTRACTOR TO NOTIFY OWNER, IT'S REPRESENTATIVE, OR LANDSCAPE ARCHITECT AT A MINIMUM OF FIVE (5) DAYS PRIOR TO REQUESTED REVIEW OF STAKED MATERIALS.

8.

LANDSCAPE CONTRACTOR SHALL FIELD ADJUST LOCATION OF PLANT MATERIAL AS NECESSARY DUE TO EXISTING SITE CONDITIONS. ALL CHANGES REQUIRED SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE AND SHALL BE COORDINATED WITH THE OWNER AND/OR LANDSCAPE ARCHITECT.

9.

ANY SUBSTITUTIONS IN SIZE AND/OR PLANT MATERIAL MUST BE APPROVED BY THE OWNER AND/OR LANDSCAPE ARCHITECT PRIOR TO MODIFICATION OF THE CONTRACT, PURCHASING AND DELIVERY OF PLANTS. ALL PLANTS WILL BE SUBJECT TO APPROVAL BY OWNER, IT'S REPRESENTATIVE, OR LANDSCAPE ARCHITECT BEFORE PLANTING CAN BEGIN. ALL PLANT MATERIALS WILL NOT INCLUDE ANY PLANTS CONSIDERED TO BE INVASIVE. CONTRACTOR PROVIDE SOURCE LIST OF PLANT MATERIAL.

10.

CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, GENERAL NOTES AND /OR SPECIFICATIONS FOR FURTHER AND COMPLETE LANDSCAPE PLANTING INSTRUCTIONS.

11.

LANDSCAPE CONTRACTOR SHALL COORDINATE ALL PLANTING WORK WITH PERMANENT OR TEMPORARY IRRIGATION WORK. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL HAND WATERING AS REQUIRED TO SUPPLEMENT IRRIGATION WATERING AND RAINFALL. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR HAND WATERING IN ALL PLANTING AREAS, REGARDLESS OF THE STATUS OF EXISTING OR PROPOSED IRRIGATION.

12.

LANDSCAPE CONTRACTOR SHALL CLEAN THE WORK AREAS AT THE END OF EACH WORKING DAY. RUBBISH AND DEBRIS SHALL BE COLLECTED AND DEPOSITED OFF-SITE DAILY. ALL MATERIALS, PRODUCTS AND EQUIPMENT SHALL BE STORED IN AN ORGANIZED FASHION AS DIRECTED BY THE OWNER, IT'S REPRESENTATIVE, OR LANDSCAPE ARCHITECT.

13.

GUYING / STAKING PRACTICES SHALL NOT PERMIT NAILS, SCREWS, WIRES ETC. , TO PENETRATE OUTER SURFACE OF TREE OR PALM. TREES OR PALMS REJECTED DUE TO THIS PRACTICE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

14.

BURLAP MATERIAL, WIRE CAGES, PLASTIC STRAPS, ETC. , MUST BE CUT AND REMOVED FROM TOP ONE - HALF (1/2) OF ROOT BALL.

15.

TREES GROWN IN GROW BAGS OR GROW BAG TYPE MATERIAL ARE NOT ALLOWED.

16.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE GUARANTEE OF ALL PLANT MATERIAL FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE SUBSTANTIAL COMPLETION. SUBSTANTIAL COMPLETION CONSTITUTES THE BEGINNING OF GUARANTEE PERIOD.

17.

ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED BY INSTALLING PROTECTIVE BARRIERS AROUND THE DRIP LINE OF TREES. THE PROTECTIVE BARRIERS SHALL BE SEEN EASILY BY OPERATORS OF TRUCKS AND OTHER EQUIPMENT. PROTECTIVE BARRIERS SHALL BE CONSTRUCTED OF STURDY MATERIALS (NOT FLAGGING OR RIBBONS) AND SHALL BE INSTALLED PRIOR TO AND MAINTENANCE THROUGHOUT CONSTRUCTION AND/OR LAND DEVELOPMENT:

a.

DO NOT STORE OR USE MATERIALS OR EQUIPMENT WITHIN THE DRIP LINE OF ANY TREE TO BE RELOCATED ON SITE UNLESS THE ACTIVITY IS BEING DONE TO PROTECT TREES.

b.

DO NOT DISCHARGE OR CONTAMINATE THE SOIL WITHIN THE DRIP LINE OF ANY TREE TO BE RELOCATED ON SITE WITH ANY CONSTRUCTION MATERIALS SUCH AS PAINT,OIL, SOLVENTS, PETROLEUM PRODUCTS, ASPHALT, CONCRETE, MORTAR, OR OTHER MATERIALS THAT MAY CAUSE ADVERSE IMPACTS.

c.

CLEARING OF VEGETATION WITHIN THE DRIP LINE OF TREES DESIGNATED FOR PRESERVATION SHALL ONLY BE BY HAND OR LIGHT RUBBER WHEELED EQUIPMENT THAT WILL NOT DAMAGE TREE ROOTS.

d.

MAKE NO ATTACHMENTS, OTHER THAN THOSE OF A PROTECTIVE AND NON-DAMAGING NATURE, TO ANY TREE TO BE RETAINED ON THE SITE.

e.

DO NOT CHANGE THE NATURAL GRADE ABOVE THE ROOT SYSTEM WITHIN THE DRIP LINE OF ANY TREE TO BE RETAINED ON SITE UNLESS IT CAN BE DEMONSTRATED TO THE CITY THAT IT WILL NOT DAMAGE THE TREE.

f.

AVOID ANY ENCROACHMENTS, EXCAVATIONS OR SEVERE GRADE CHANGES WITHIN THE DRIPLINE OF PRESERVED TREES THAT WILL IMPACT ANY TREE SCHEDULE TO REMAIN.

18.

PLANT SIZE SPECIFICATIONS TAKE PRECEDENCE OVER CONTAINER SIZE.

19.

CONTRACTOR TO VERIFY QUANTITIES AND REPORT ANY DISCREPANCIES TO THE OWNER, IT'S REPRESENTATIVE, OR LANDSCAPE ARCHITECT.

20.

ALL GROUND COVER SHALL HAVE A MINIMUM 50% COVERAGE AT INSTALLATION AND 100% COVERAGE IN 6 MONTHS.

21.

EXCAVATE ALL PLANTING ISLANDS TO A MINIMUM OF 12" AND BACKFILL WITH SPECIFIED PLANTING MIX.

22.

IRRIGATION SYSTEM WILL HAVE 100% COVERAGE WITH 100% OVERLAP WITH NO OVERSPRAY ON WALKS. SYSTEM SHALL INCLUDE A RAIN SENSOR AND RUST FREE WATER. ALL EXPOSED RISERS TO BE PAINTED FLAT BLACK.

23.

ALL ROOT BALLS SHALL CONFORM TO THE SIZE STANDARDS SET FORTH IN "AMERICAN STANDARDS FOR NURSERY STOCK".

24.

ALL PLANT MATERIAL SHALL BE PROTECTED DURING TRANSPORT AND DELIVERY TO FINAL LOCATION WITH SHADE CLOTH OR OTHER ACCEPTABLE MEANS OF WINDBURN PREVENTION. ALL PLANT MATERIAL TO BE PLANTED ON THE SAME DAY IT ARRIVES ON SITE.

25.

INSTALLATION- ALL PLANT MATERIAL SHALL BE INSTALLED IN A SOUND, WORKMAN- LIKE MANNER AND ACCORDING TO ACCEPTED GOOD PLANTING AND TREE RELOCATION PROCEDURES WITH THE QUALITY OF PLANT MATERIALS AS HEREINAFTER DESCRIBED. ALL ELEMENTS OF LANDSCAPING SHALL BE INSTALLED SO AS TO MEET ALL APPLICABLE ORDINANCES AND CODE REQUIREMENTS.

26.

THERE SHALL BE NO CHAINS OR CABLES USED ON TREES OR PALMS. HANDLE WITH TWO INCH (2") MINIMUM WIDTH NYLON STRAPS OR EQUAL.

27.

CONTRACTOR TO REPLACE REJECTED PLANT MATERIAL WITHIN TWO (2) WEEKS OF WRITTEN NOTICE AND GUARANTEE FOR TWELVE (12) MONTHS FROM DATE OF INSTALLATION.

28.

CONTRACTOR SHALL MULCH ALL PLANT MATERIAL THROUGHOUT AND COMPLETELY TO A THREE INCH (3") DEPTH OF LOOSE, WEED FREE STERILIZED MELALEUCA MULCH.

29.

CONTRACTOR TO REQUEST INSPECTION OF PROJECT IN WRITING. IF ALL WORK IS SATISFACTORY AND COMPLETE IN ACCORDANCE WITH CONDITIONS OF CONTRACT DOCUMENTS, THEN THE OWNER, ITS REPRESENTATIVE, AND LANDSCAPE ARCHITECT SHALL DECLARE THE PROJECT SUBSTANTIALLY COMPLETE.

30.

ALL WORK MUST BE IN COMPLIANCE WITH TREE PERMIT ISSUED BY THE CITY TREE COMMISSION.

TREES, SHRUBS, & GROUNDCOVER PLANTING NOTES:

1.

CONTRACTOR TO VERIFY SPECIES AND QUANTITY OF PLANTS SPECIFIED BY LANDSCAPE ARCHITECT.

2.

ALL PLANT MATERIAL IS TO BE TAGGED AT THE NURSERY BY CONTRACTOR. THE OWNER AND LANDSCAPE ARCHITECT MAY BE PRESENT DURING SELECTION AND TAGGING ACTIVITIES WITH NOTIFICATION AT LEAST 2 WEEKS IN ADVANCE

3.

PROTECT PLANTS DURING DELIVERY TO PREVENT DAMAGE TO ROOT BALL OR DESICCATION OF LEAVES AND FRONDS

4.

NOTIFY THE OWNER AND/OR THE LANDSCAPE ARCHITECT OF ANTICIPATED INSTALLATION DATE AT LEAST TWO (2) WEEKS IN ADVANCE.

5.

NOTIFY OWNER AND/OR THE LANDSCAPE ARCHITECT OF DELIVERY SCHEDULE IN ADVANCE SO PLANT MATERIAL MAY BE INSPECTED UPON ARRIVAL AT JOB SITE.

6.

REMOVE UNACCEPTABLE PLANT MATERIAL IMMEDIATELY FROM JOB SITE.

7.

DELIVER FERTILIZER TO SITE IN ORIGINAL UNOPENED CONTAINERS BEARING MANUFACTURER'S GUARANTEED CHEMICAL ANALYSIS, NAME, TRADE NAME, TRADEMARK, AND CONFORMANCE TO FLORIDA STATE LAW.

8.

PROTECT ROOTS OF PLANT MATERIAL FROM DRYING OR OTHER POSSIBLE INJURY. KEEP PLANT BALL MOIST AT ALL TIMES.

9.

REPAIR DAMAGE TO OTHER PLANTS OR CONSTRUCTION WORK DURING PLANT PLACEMENT AND/OR REPLACEMENT INCLUDING, BUT NOT LIMITED TO, DAMAGE TO EXISTING TREES, WALKS, LATTICE, SITE FURNISHINGS, ETC.

10.

NURSERY GROWN STOCK SHALL BE GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT

11.

TREES AND PALM LOCATIONS TO BE STAKED FOR APPROVAL BY LANDSCAPE ARCHITECT

12.

CONTRACTOR SHALL REQUEST INSPECTION OF FIELD STAKED LOCATIONS AND PLANT BEDS AT A MINIMUM OF FIVE (5) DAYS IN ADVANCE. EXCAVATION SHALL NOT BEGIN UNTIL LOCATIONS OF INDIVIDUAL PLANT AND PLANT BEDS ARE ACCEPTABLE TO THE OWNER, IT'S REPRESENTATIVE, OR LANDSCAPE ARCHITECT.

13.

TEST FILL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE AND PERCOLATION IS AVAILABLE. PITS THAT ARE FOUND TO NOT BE ADEQUATELY DRAINING SHALL BE EXCAVATED TO A DEPTH SUFFICIENT FOR DRAINAGE AND BACKFILLING WITH COARSE SAND, AND 6 INCHES OF PLANTING SOIL ADDED BELOW THE ROOTBALL AND COMPACTED BY FLOODING PRIOR TO PLANTING. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. REPLACE WITH SAME SPECIES SIZE AND SPECIFICATION.

14.

PLANTING

A. GENERAL

1. IRRIGATION SHALL BE 100% OPERATIONAL PRIOR TO PLANT MATERIAL INSTALLATION, IF APPLICABLE.
2.THE OWNER AND/OR LANDSCAPE ARCHITECT SHALL RESERVE THE RIGHT TO REJECT ANY AND ALL PLANT MATERIAL NOT MEETING SPECIFICATIONS AT THE JOB SITE .
3. CENTER PLANT IN PIT OR TRENCH.
4. FACE FOR BEST EFFECT, OR AS DIRECTED BY THE LANDSCAPE ARCHITECT.

5.SET PLANT PLUMB AND HOLD RIGIDLY IN POSITION UNTIL SOIL HAS BEEN TAMPED FIRMLY AROUND PLANTING BALL.

6.USE ONLY PLANTING SOIL BACKFILL AS SPECIFIED ON THIS SHEET - SOIL PREPARATION AND MIXES.

7.PLACE SUFFICIENT PLANTING SOIL UNDER PLANT TO BRING TOP OF PLANTING BALL TO FINISH GRADE.

8.BACKFILL PIT OR TRENCH WITH PLANTING SOIL IN 9-INCH LAYERS AND WATER EACH LAYER THOROUGHLY TO SETTLE SOIL AND WORK SOIL COMPLETELY AROUND ROOTS AND PLANTING BALL.

9.AFTER SOIL SETTLES FILL PIT WITH PLANTING SOIL, WATER, AND LEAVE PIT SURFACE EVEN WITH FINISH GRADE.

10.TOPSOIL BERM:

a.

CONSTRUCT A TOPSOIL BERM 6-INCHES ABOVE FINISH GRADE FORMING A WATERING BASIN WITH A LEVEL BOTTOM AROUND EACH PALM OR TREE.

b.

THE TOPSOIL BERM SHALL FORM A WATERING BASIN 1 FOOT GREATER THAN DIAMETER OF PLANTING BALL.

c.

COMPLETELY MULCH WATERING BASIN AND BERM TO AVOID ANY EXPOSED DIRT.

11.BRACES SHALL BE INSTALLED, AS SPECIFIED HEREIN, WHILE THE TREE IS SUPPORTED BY MACHINERY.

B. BALLED AND BURLAPPED PLANTS (B & B):

1.PLACE IN PIT ON PLANTING SOIL BACKFILL MATERIAL THAT HAS BEEN HAND-TAMPED PRIOR TO PLACING PLANT.

2.PLACE WITH BURLAP INTACT SO LOCATION OF GROUND LINE AT TOP OF BALL IS SAME AS AT NURSERY WHERE GROWN.

3.REMOVE BINDING AT TOP HALF OF THE PLANTING BALL AND CUT OFF EXPOSED BURLAP.

4.DO NOT PULL WRAPPING FROM UNDER PLANTING BALL.

5.DO NOT PLANT IF PLANTING BALL IS CRACKED, BROKEN, OR SHOWING EVIDENCE OF VOIDS BEFORE OR DURING PLANTING PROCESS. REPLACE WITH PLANT OF SAME SPECIES, SIZE, AND SPECIFICATION.

TYPICAL SYMBOLS:

0

L0-0.00

DETAIL NUMBER

SHEET NUMBER

0

L0-0.00

DETAIL NUMBER

SHEET NUMBER

xx'xxx'

PLANT SYMBOL

PLANT QUANTITY

1

+

x.xx'

F.F. LEVEL

x

PLANTING
CALLOUT

REVISION
DELTA

FINISH
FLOOR

Client:

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Site Map:

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Date:	11.08.2017
Designed By:	PD
Drawn By:	PD
Approved By:	PK
Project No:	113047
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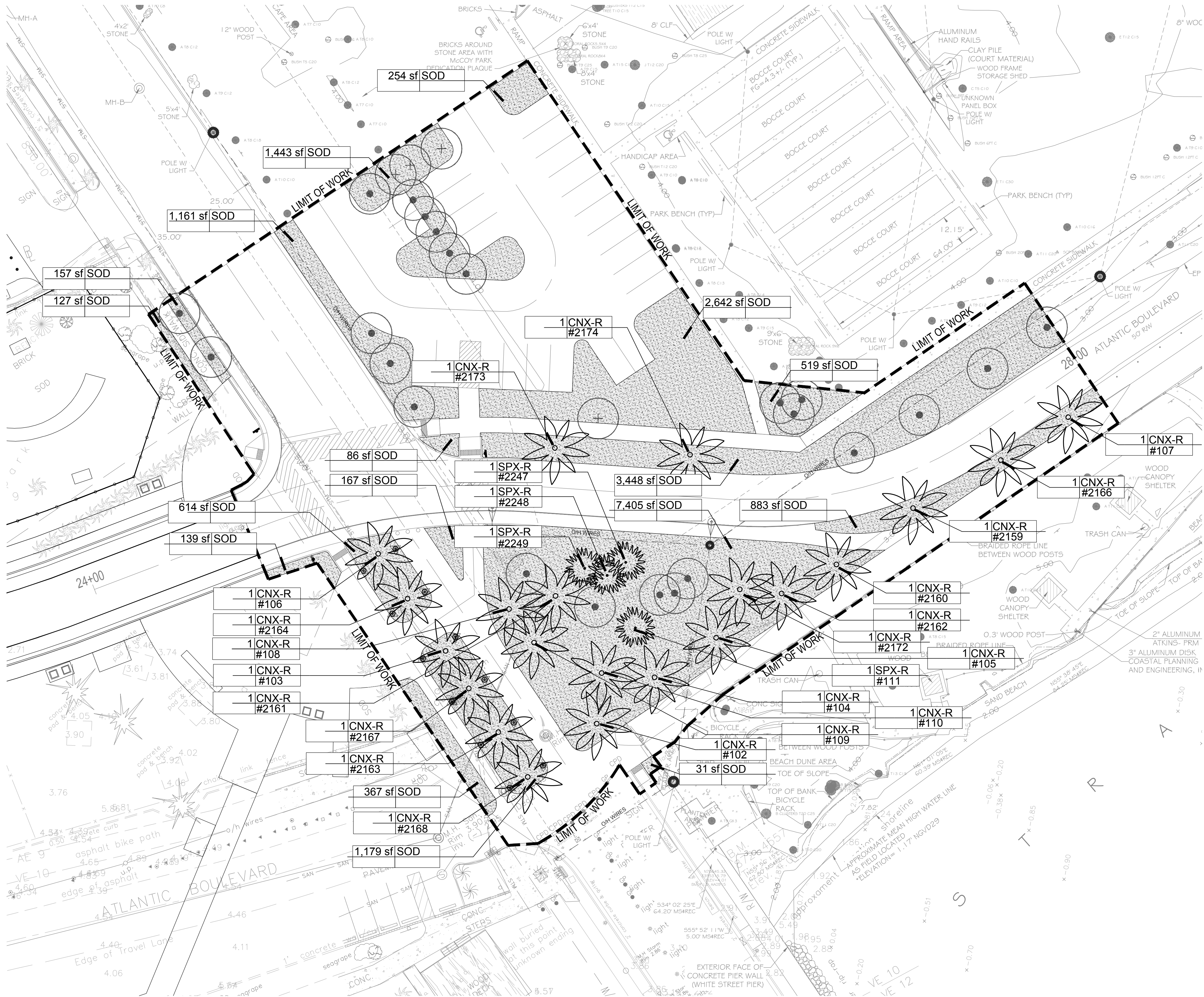
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LANDSCAPE -
GENERAL NOTES

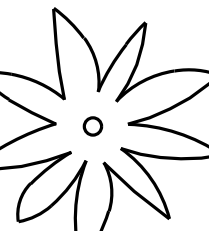
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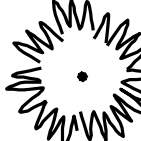
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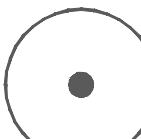
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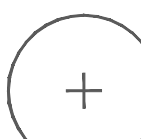


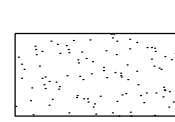
LANDSCAPE LEGEND

 RELOCATED COCONUT PALM

 RELOCATED SABAL PALM

 EXISTING PALM TO REMAIN

 EXISTING TREE TO REMAIN

 TURF/SOD

LANDSCAPE SCHEDULE								
RELOCATED PALMS	SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	MIN CONT.	SIZE	SPACING	REMARKS
	CNX-R	15	Cocos nucifera	Coconut Palm				relocated from on-site
+ *	SPX-R	3	Sabal palmetto	Cabbage Palm				relocated from on-site
TURF								
	SOD	23,054 sf	Stenotharpnum secundatum	St. Augustine Turf	SOD		SF	

+ NATIVE SPECIES CLASSIFICATION BASED UPON SFWMD WATERWISE PUBLICATION - SOUTH FLORIDA EDITION
* VERY DROUGHT TOLERANT RATING BASED UPON SFWMD WATERWISE PUBLICATION - SOUTH FLORIDA EDITION

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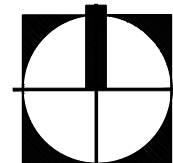
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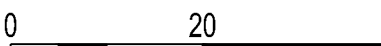
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Site Map:

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Date:	11.08.2017
Designed By:	PD
Drawn By:	PD
Approved By:	PK
Project No:	113047
Scale: 1" = 20'-0"	


NORTH


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Seal:

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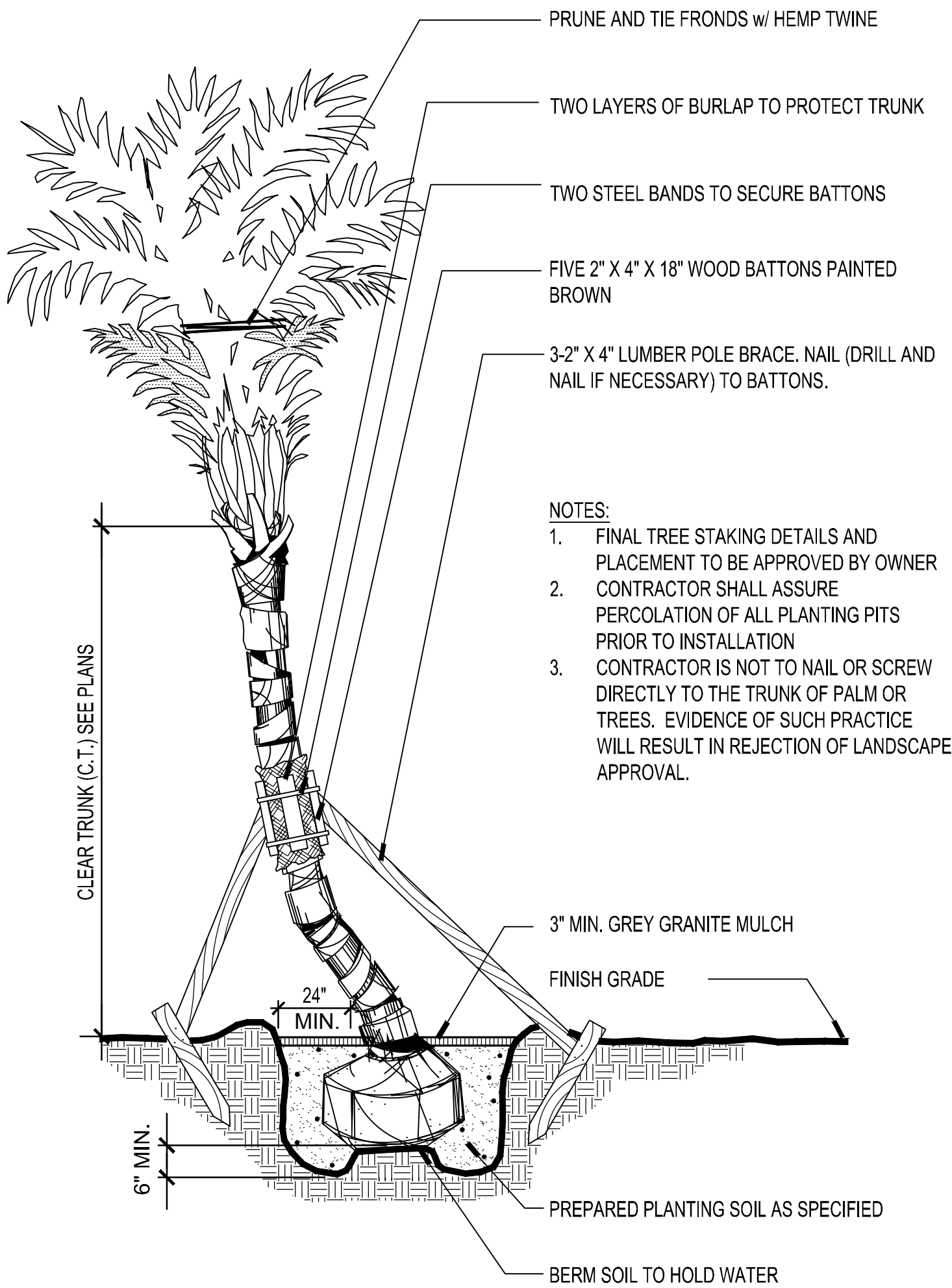
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**LANDSCAPE - TREES &
SHRUBS PLAN & SCHEDULE**

Sheet Number:

LP-1.01

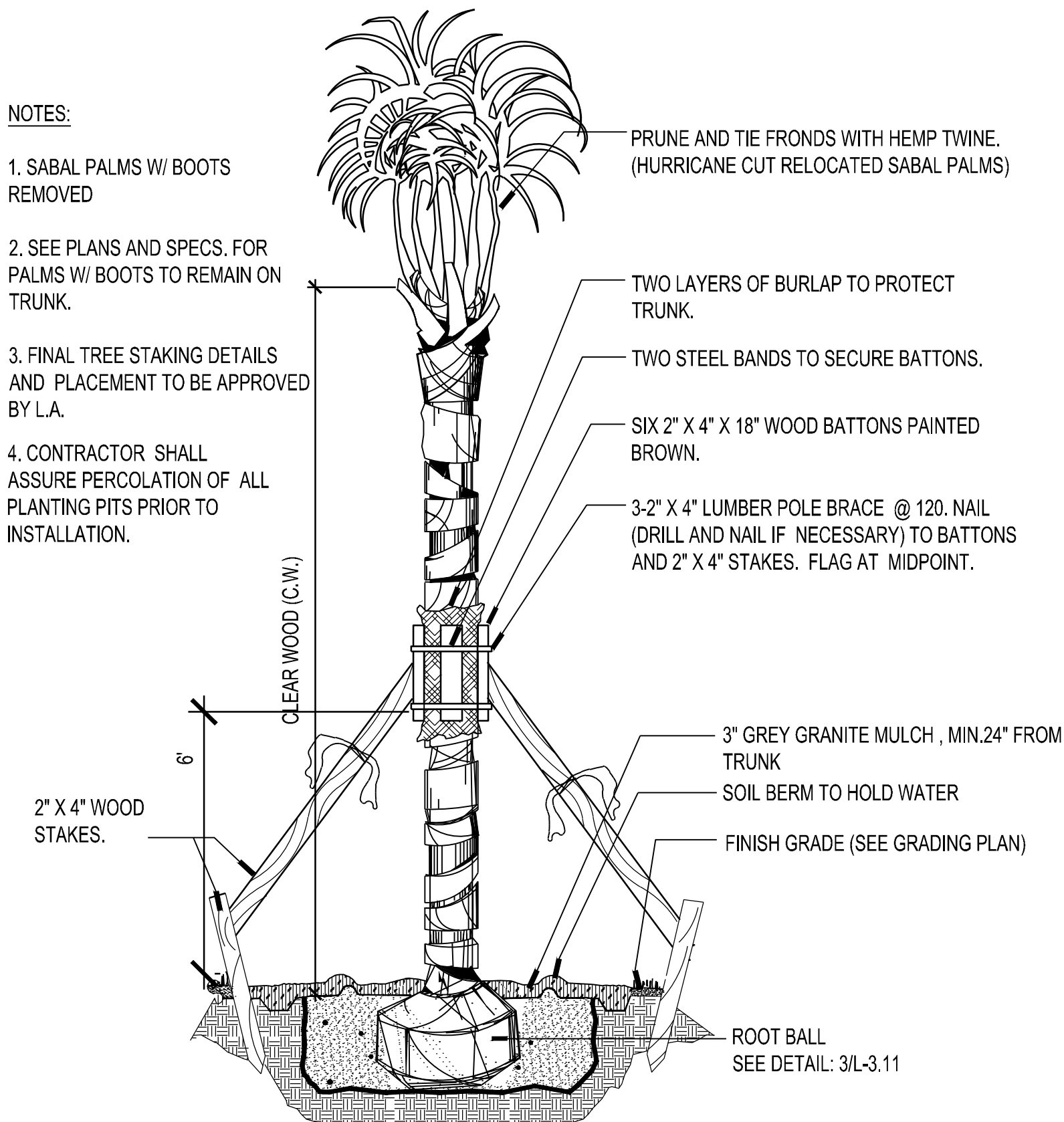
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1 COCONUT PALM SECTION SCALE: 1/2"=1'-0"

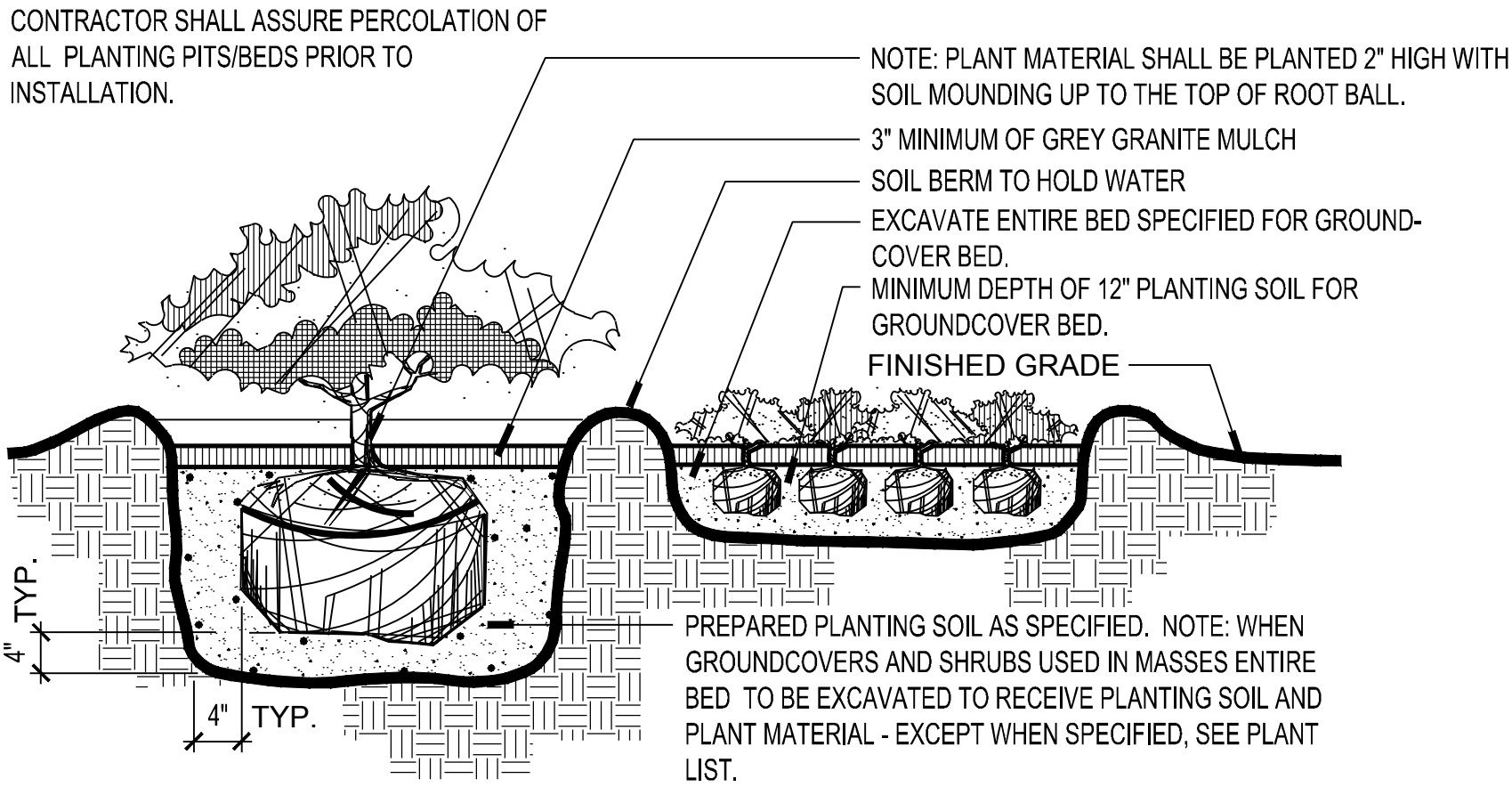
NOTES:

1. SABAL PALMS W/ BOOTS REMOVED
2. SEE PLANS AND SPECS. FOR PALMS W/ BOOTS TO REMAIN ON TRUNK.
3. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY L.A.
4. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

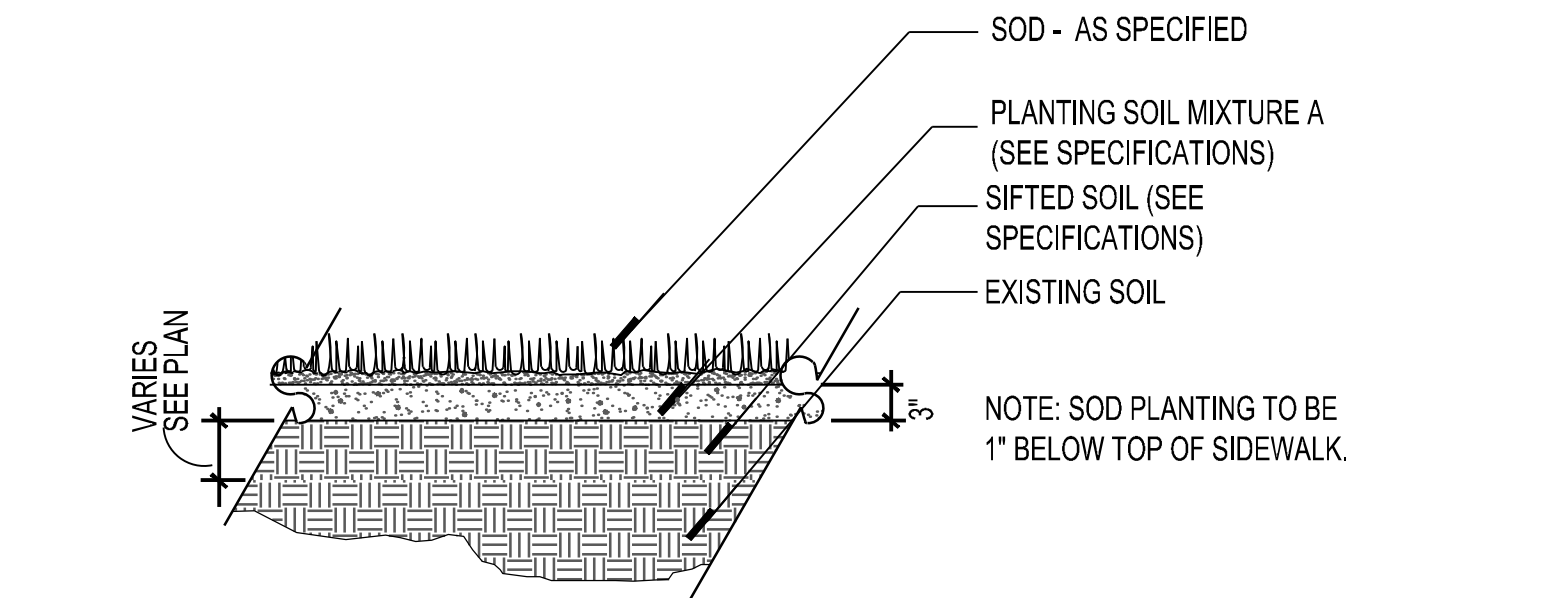


6 SABAL PALM SECTION SCALE: N.T.S.

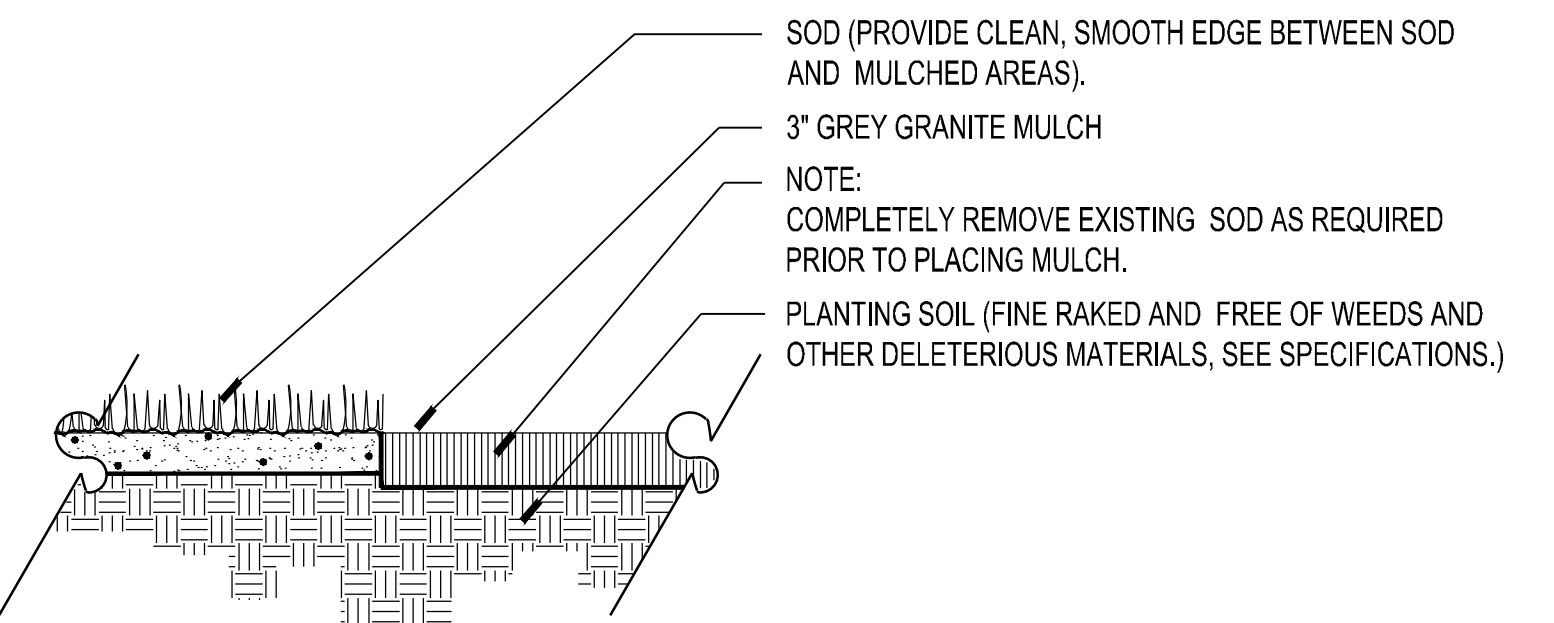
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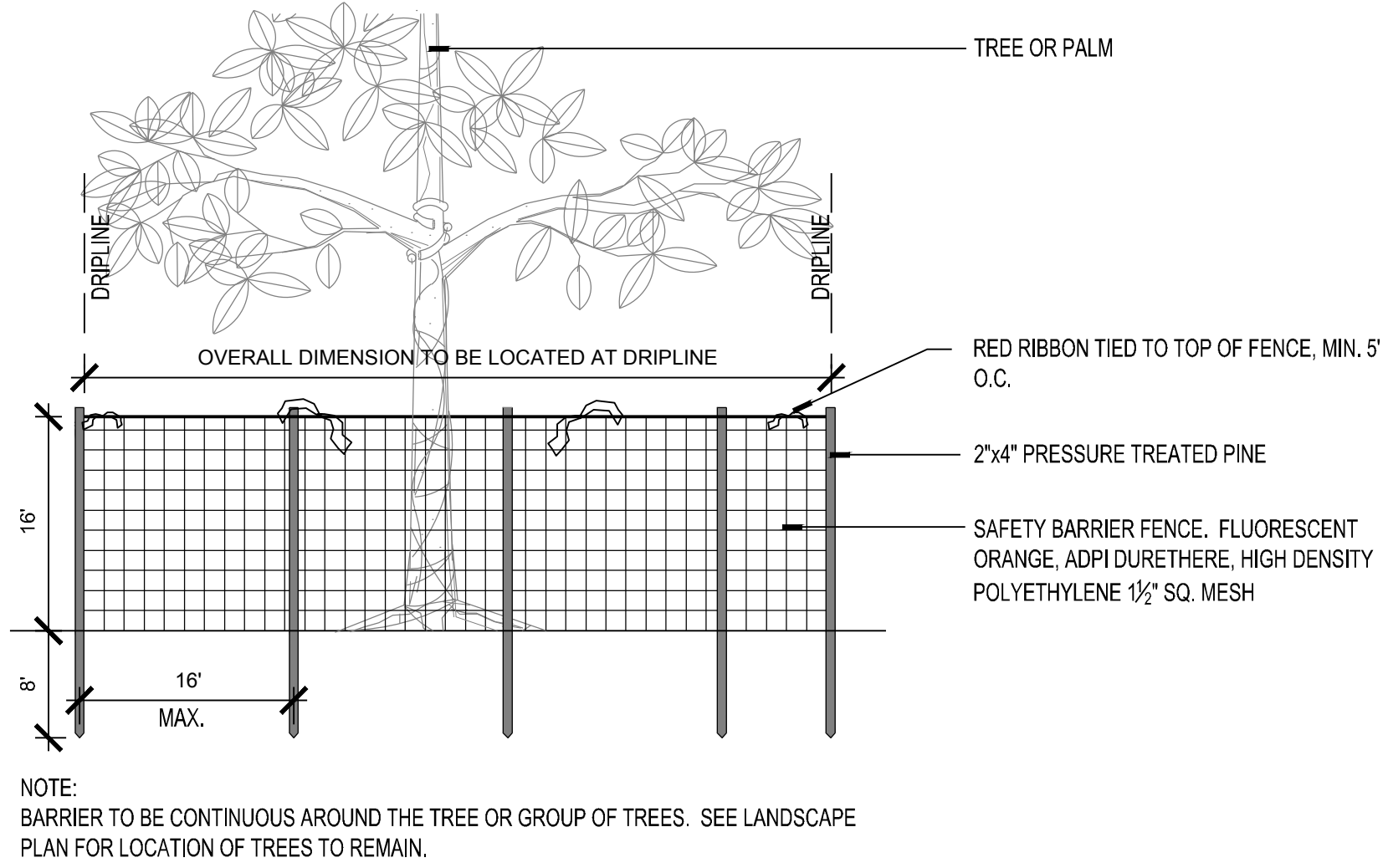
3 SHRUB AND GROUND COVER SECTION SCALE: 1"=1'-0"



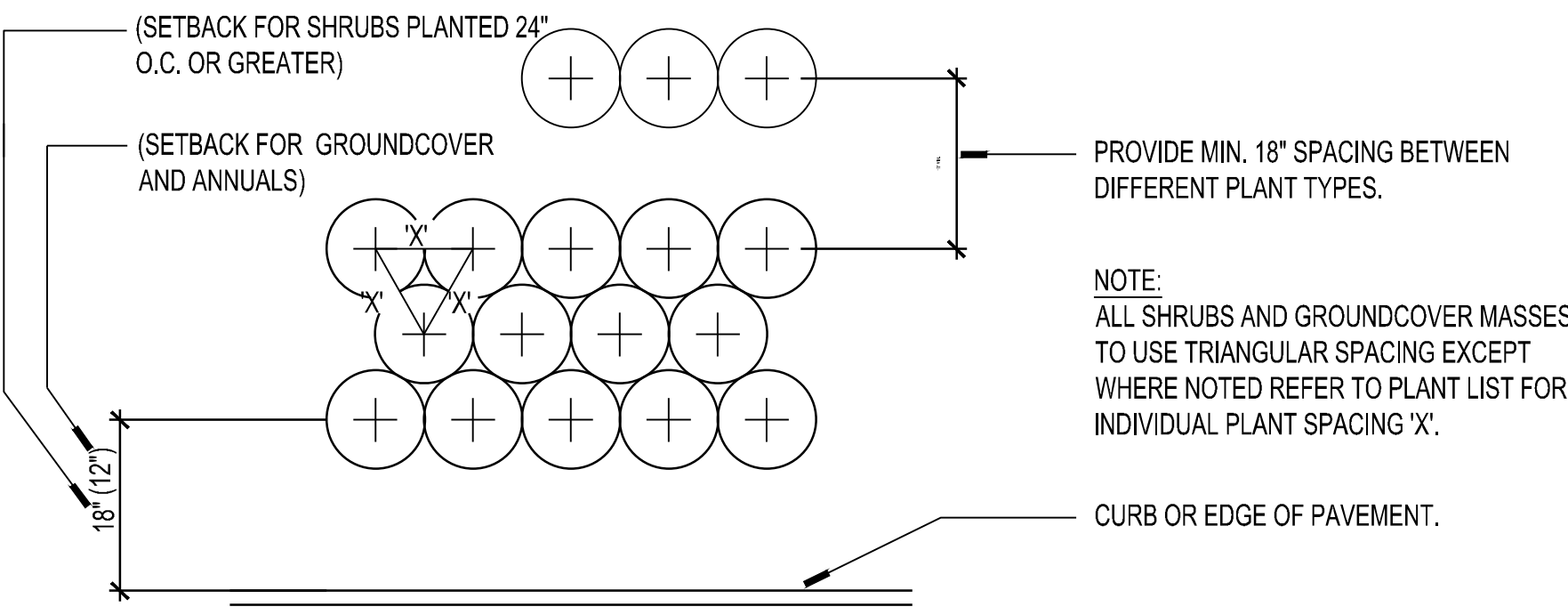
4 SOD SECTION SCALE: N.T.S.



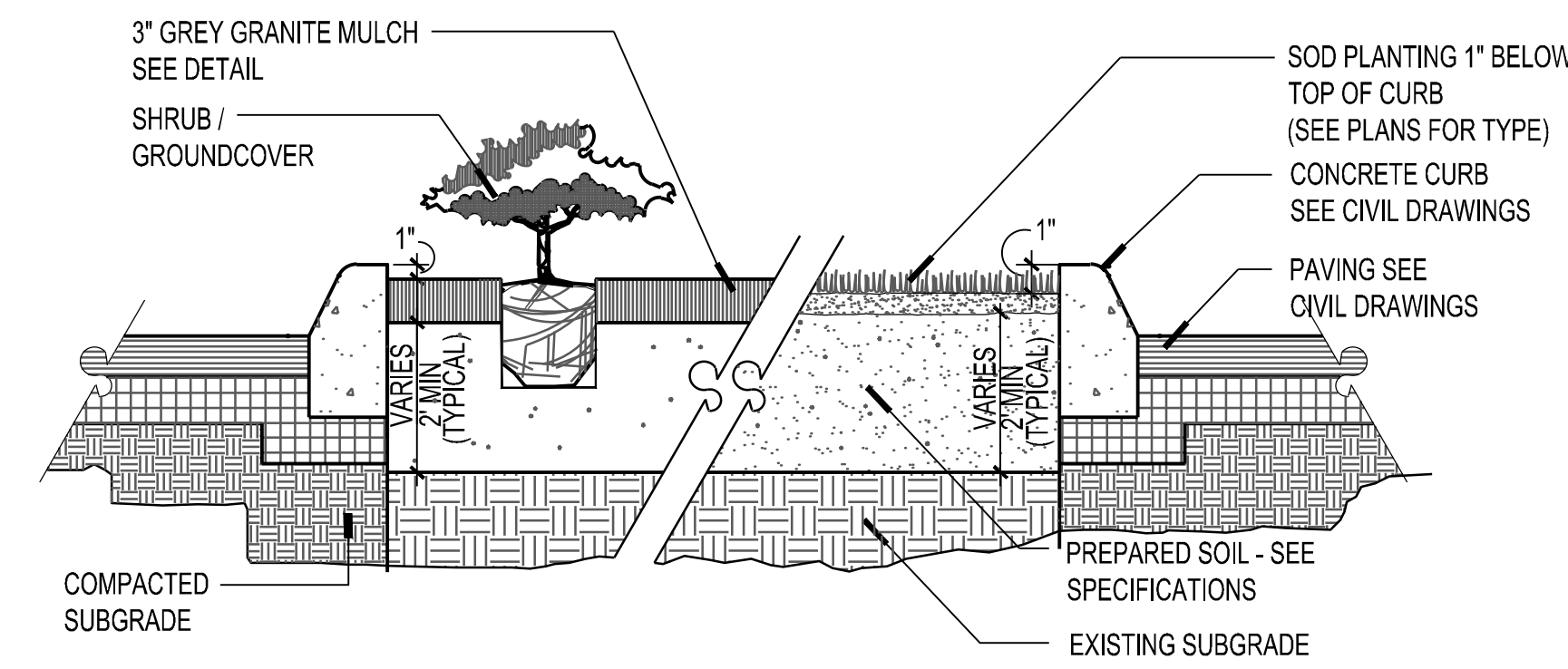
7 MULCH - GREY GRANITE SECTION SCALE: N.T.S.



3 TREE PROTECTION DETAIL ELEVATION SCALE: N.T.S.



5 TYPICAL PLANT SPACING PLAN SCALE: N.T.S.



8 SOD/MULCH AT CURB/TOP OF SIDEWALK SECTION SCALE: N.T.S.

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Date: 11.08.2017

Designed By: PD

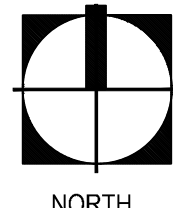
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Approved By: PK

Project No: 113047

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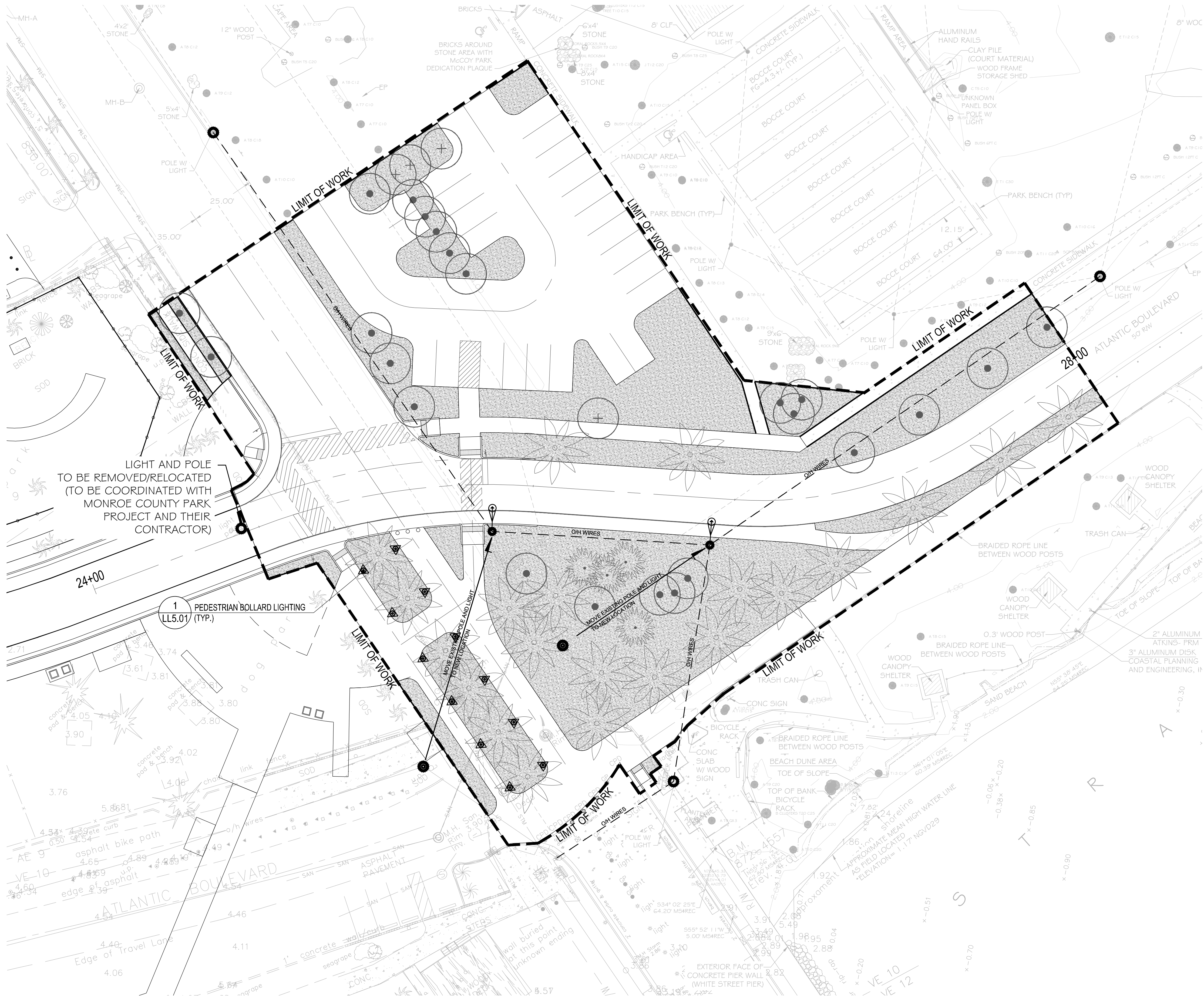
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LANDSCAPE - DETAILS

Sheet Number:

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- LIGHTING LEGEND**
- PROPOSED, RELOCATED POLE & COBRA HEAD LIGHTING FIXTURE
 - PROPOSED, PEDESTRIAN BOLLARD LIGHTING FIXTURE
 - EXISTING OVERHEAD ELECTRIC LINES
 - EXISTING POLE AND LIGHT FIXTURE

- NOTES:**
- CONTRACTOR TO COORDINATE REMOVAL/RELOCATION OF POLES/LIGHTING WITH KEYS ENERGY SERVICES AND/OR GOVERNING PUBLIC POWER AND LIGHTING UTILITY.

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Consultants:

SURVEYOR
FLORIDA KEYS LAND SURVEYOR
P.O. BOX 1547
KEY WEST, FLORIDA 33041

CIVIL ENGINEERING
PEREZ ENGINEERING & DEVELOPMENT CO., INC.
1010 KENNEDY DR., STE 400
KEY WEST, FLORIDA 33040

Site Map:

Rev:	Date:	Description:	By:
1			
2			
3			
4			
5			
6			

Date:

11.08.2017

Designed By:

PD

Drawn By:

PD

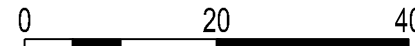
Approved By:

PK

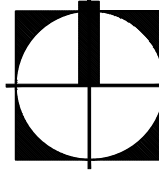
Project No:

113047

Scale: 1" = 20'-0"



Seal:



Project Phase:

PERMIT SET SUBMITTAL

Sheet Title:

SITE LIGHTING PLAN

Sheet Number:

LL-1.01

Drawing name: G:\Projects\PK113047 Indigenous Park\EDS\400\ATLANTIC ELVD\01_PERMIT SET\3047-ATL_RELO-07_LL-501_LITE DETL.dwg LL-501 - LITE DETL Dec 11, 2017 12:13pm by jjohnson

BRP42

Bristol Park

Decorative



FEATURES

- The BRP42, FINE Beacon is a luminaire with an LED base ring and an LED ring containing 22 high powered reflector LEDs. The LED engine is concealed by the lens and pointed assembly into an indirect reflector to eliminate glare. The optics are custom lenses designed to provide 360° for viewing light.
- The upper housing is a cast aluminum dome top secured by a non-glare cast aluminum top assembly with concealed screws and is available with either a flat top or a domed top.
- The lower housing is a 10" (254mm) diameter of 10" (254mm) cast aluminum with a 10" (254mm) cast aluminum dome which connects to the top of the mounting bracket with internal bolts, inaccessible after installation.
- Lens & Optical System: Beacon LED bollards feature an LED module and heat sink which must be removable and upgradable. The driver must be removable and upgradable and protected by a 20,000 amp transient surge protection.

ORDERING INFORMATION

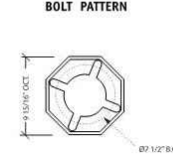
MODEL	LED COLOR	WATTAGE	STYLE OPTIONS	COLOR
BRP42 Bristol Park	3K 3000K 4K 4000K 5K 5000K	120-277V	CEX Churn Eye, Single CEB Churn Eye, Double	BST Black Black Textured BSF Black Matte Textured WHT White Textured BSF Black Matte Textured BSF Black Matte Textured CYS Gray Smooth CYS Gray Smooth CYS Gray Smooth MET Metallic Silver Textured MET Metallic Silver Textured OWO Old World Iron

LENS OPTIONS
AC Acrylic, Clear
AF Acrylic, Frosted

FINISHES
1200-36 36 Watts

INDUSTRIAL
IND Industrial Type
V180

ANCHOR BASE
AB Anchor Base



Visit www.beaconproducts.com for up-to-date availability information





COLOR
12 STANDARD COLORS
185 RAL COLORS

Standard Color Options

Gray Smooth (RAL 9010)	Metallic Bronze Textured (RAL 8021)	Black Black Textured (RAL 9005)	Black Matte Textured (RAL 9005)	Dark Gray Textured (RAL 9005)	Black Matte Textured (RAL 9005)
White Smooth (RAL 9010)	Dark Bronze Textured (RAL 8021)	Metallic Silver Textured (RAL 8021)	Dark Bronze Textured (RAL 8021)	Metallic Silver Textured (RAL 8021)	Dark Bronze Textured (RAL 8021)

Notes:

- These samples used on this page have been derived from actual photographs. Although the pictorial representation may be accurate, the printing process may alter the appearance in the publication. It is the recommendation of Beacon Products to order printed color samples prior to final color selection.
- All powdercoat finishes have a light texture and 1/8" glass bead as defined by Dineen-Villano.
- All powdercoat finishes supplied by Beacon Products are specifically designed for outdoor use and have a minimum rating of AAMA 2604 as defined by the American Architectural Metals Association.

Beacon Products | 2011 500 Avenue Center East Rochester, NY 14623 | www.beaconproducts.com | 800.246.4829

 **HUBBELL**
LIGHTING

1 PEDESTRIAN BOLLARD

SCALE:

Client:



Project Name:
ATLANTIC BLVD. RELOCATION
KEY WEST, FLORIDA



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Site Map:

Rev:	Date:	Description:	By:
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Date: 11.08.2017

Designed By: PD

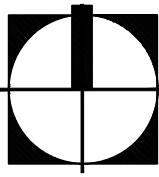
Drawn By: PD

Approved By: PK

Project No: 113047

Scale:

Seal:



NORTH

Project Phase:

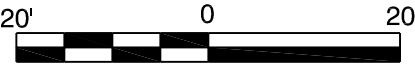
PERMIT SET SUBMITTAL

Sheet Title:

SITE LIGHTING - DETAILS

Sheet Number:

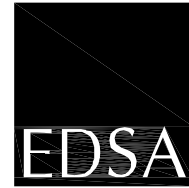
LL-5.01



SCALE 1"=20'
BAR IS TWO INCHES ON ORIGINAL DRAWINGS IF
NOT TWO INCHES ON THIS SHEET ADJUST
SCALES ACCORDINGLY



Project Name:
INDIGENOUS PARK
KEY WEST, FLORIDA



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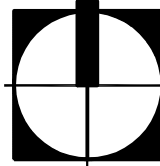


PEREZ ENGINEERING & DEVELOPMENT, INC.
CERTIFICATE OF AUTHORIZATION NO. 8579

KEY WEST OFFICE
1010 EAST KENNEDY DRIVE, SUITE 201
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TEL: (305) 293-9440 FAX: (305) 296-0243

Rev:	Date:	Description:	By:
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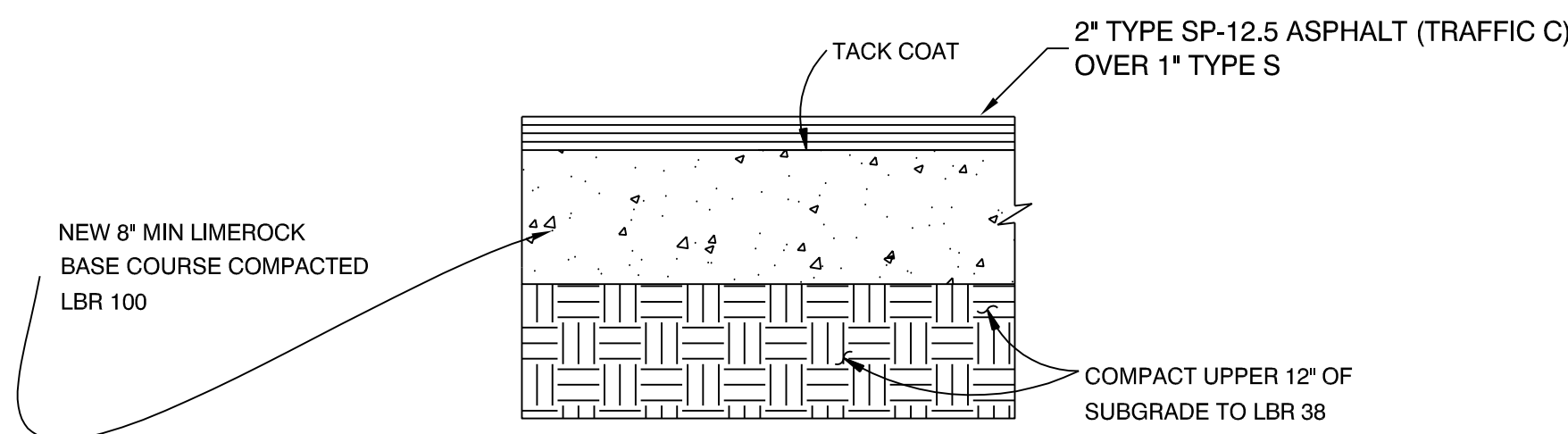
Date:	11.08.2017
Designed By:	AEP
Drawn By:	BGO
Approved By:	AEP
Project No:	
Scale:	
1" = 20'	
Seal:	



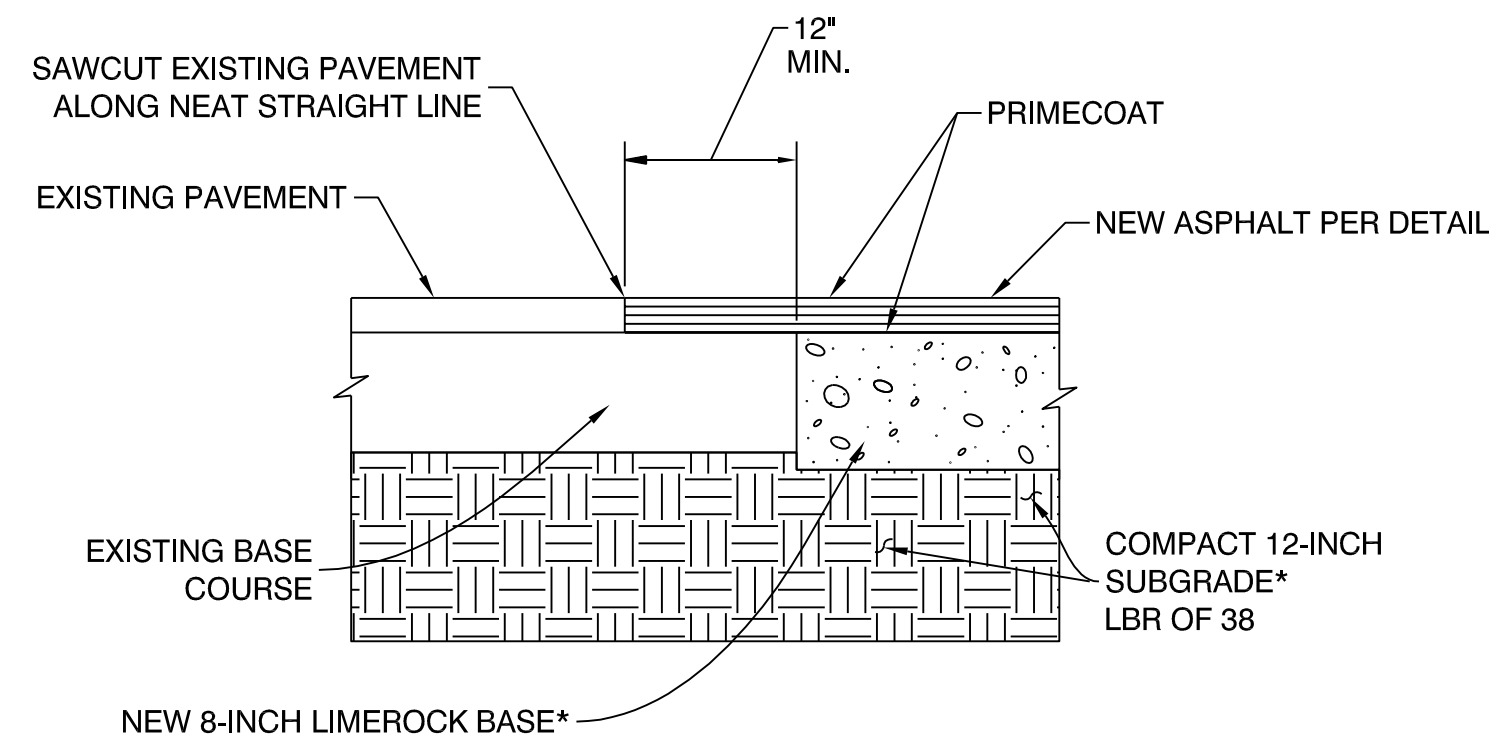
ALLEN E. PEREZ, P.E.
FLORIDA PE #51468
Project Phase:
PERMIT SET SUBMITTAL

Sheet Title:
**ATLANTIC BLVD. RELOCATION
SIGNAGE & PAVEMENT
MARKING PLAN**

Sheet Number:

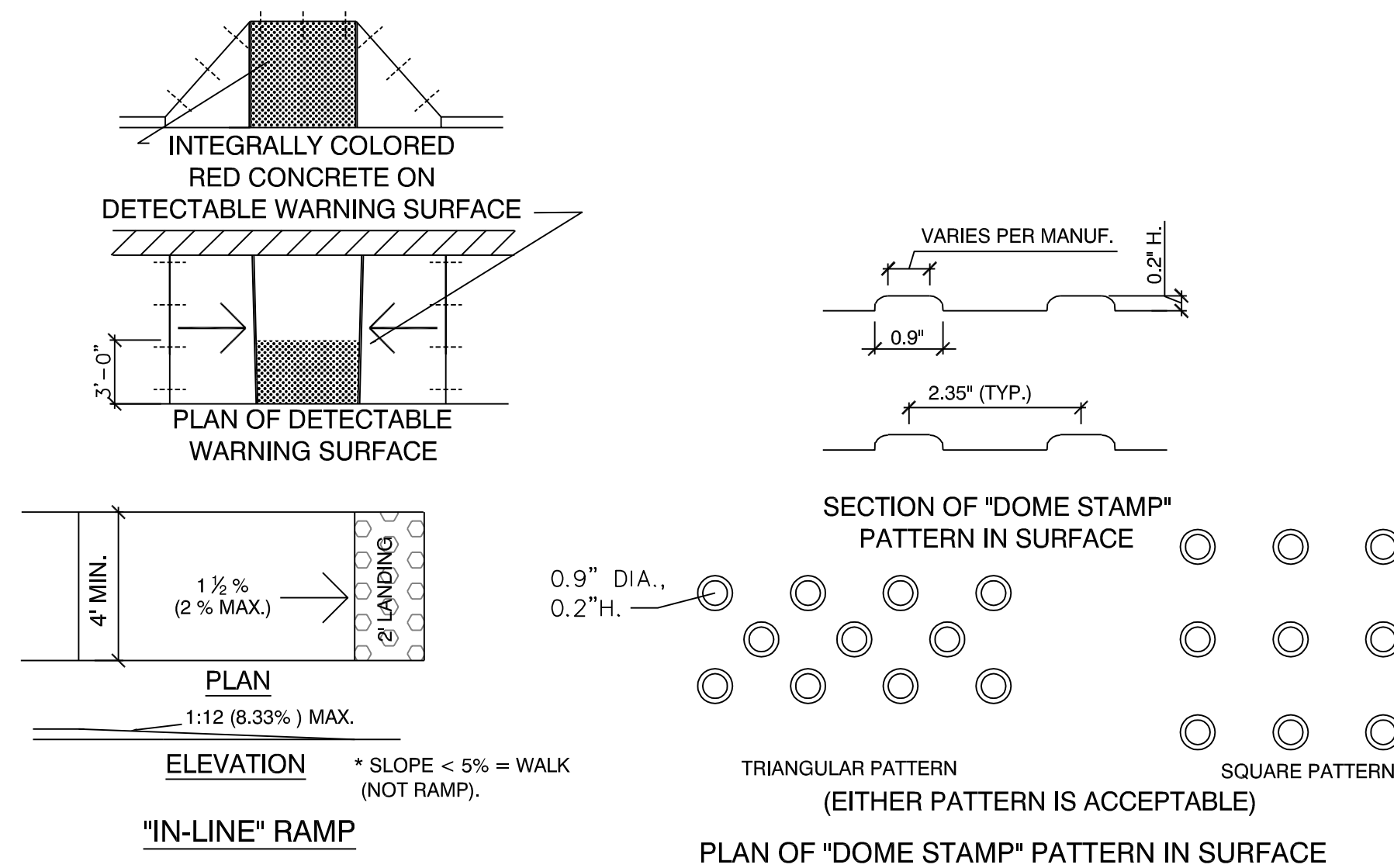


1 Asphalt Pavement
NTS

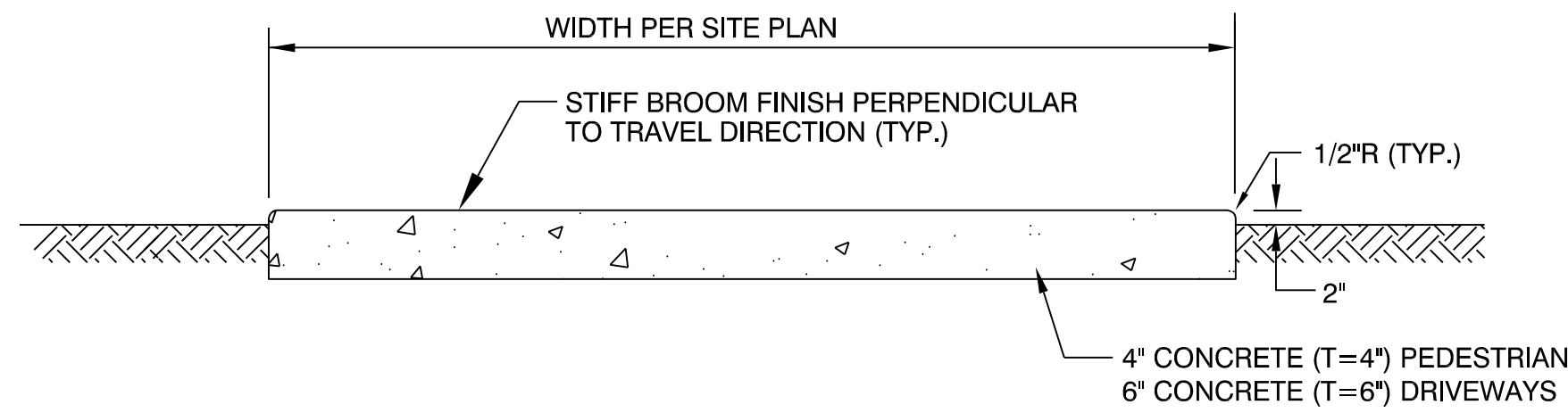


*NOTE:
ALL MATERIALS SHALL BE PER FDOT STANDARD SPECIFICATIONS.

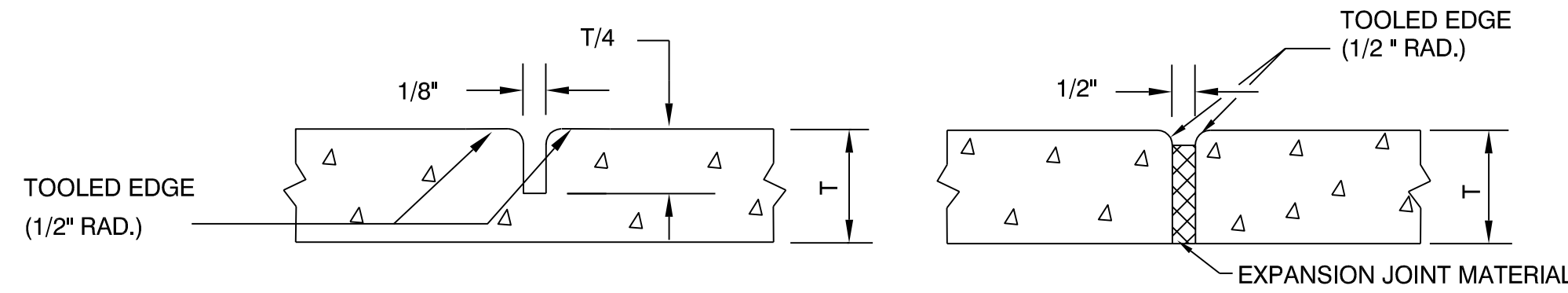
2 Pavement Connection to Existing Surface
NTS



6 Curb Ramp and Other Ramps
NTS



TYPICAL SIDEWALK SECTION

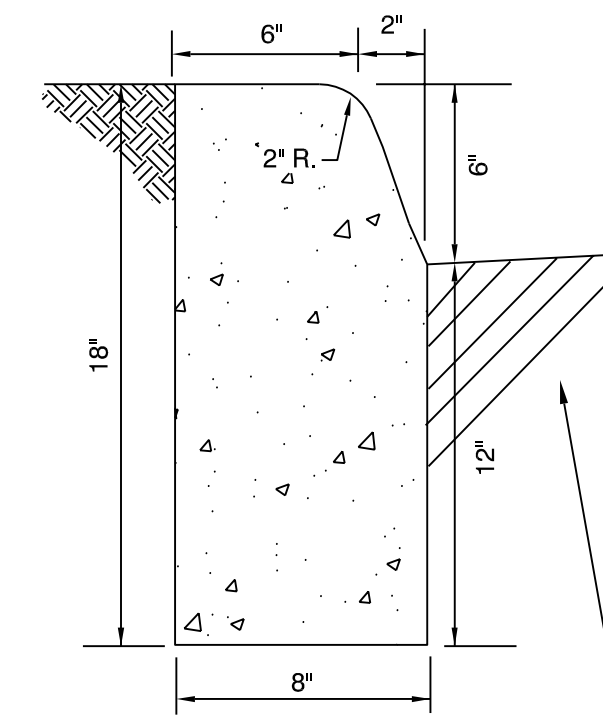


CONTRACTION JOINT

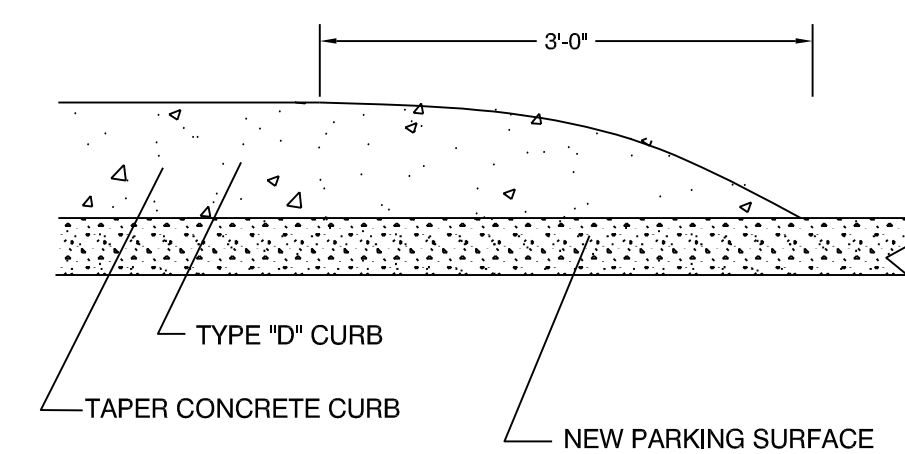
EXPANSION JOINT

- NOTES:
1. PROVIDE EXPANSION JOINTS WHERE NEW SIDEWALKS ABUT STRUCTURES AND CONTRACTION JOINTS AT INTERVALS EQUAL TO SIDEWALK WIDTH.
 2. REPLACE CONCRETE SIDEWALKS AT SCORED JOINTS TO AVOID A PATCHED APPEARANCE. PROVIDE 2-INCH LEVELING COURSE BENEATH NEW SIDEWALK.
 3. NOTES FOR 6\"/>

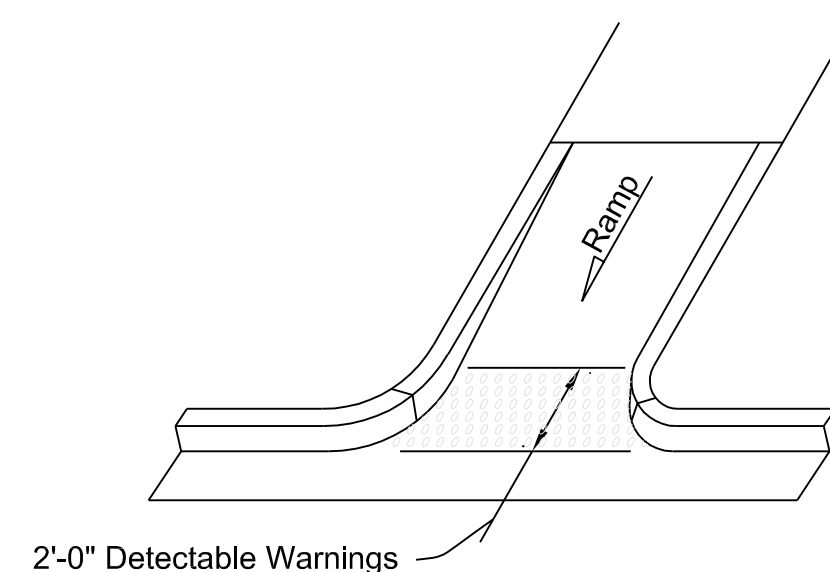
3 Typical Sidewalk Detail
NTS



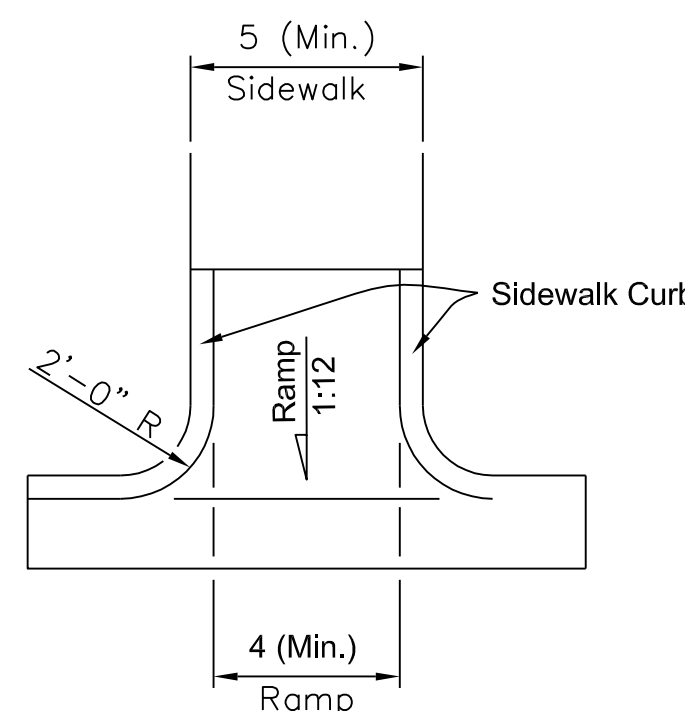
4 FDOT Type "D" Curb
NTS



5 Tapered Curb Detail
NTS

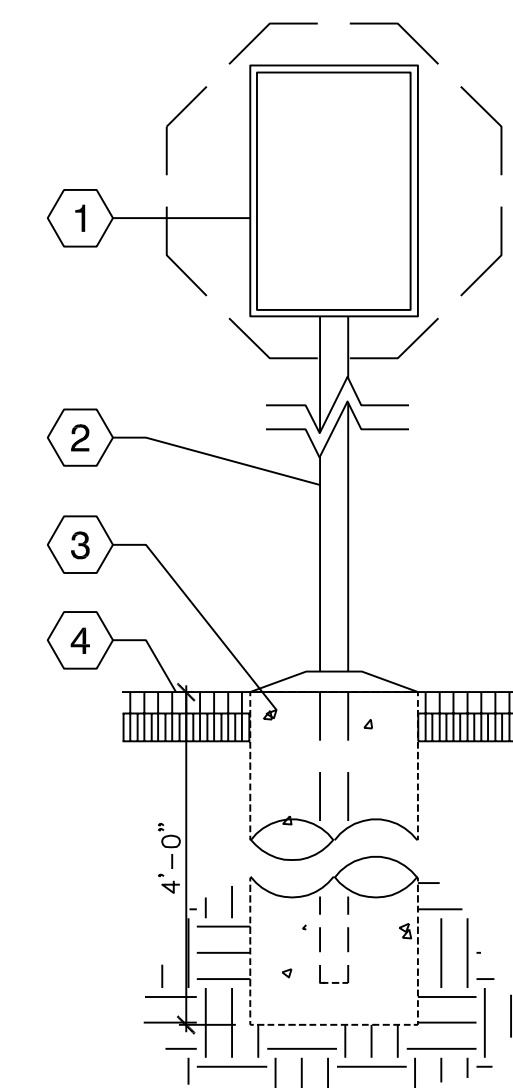


ISOMETRIC VIEW



PLAN VIEW

7 Ramp Detail
NTS



KEYED NOTES

- 1 TRAFFIC DIRECTIONAL SIGN.
- 2 3\"/>

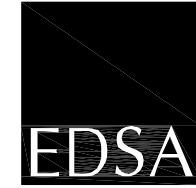
8 Traffic Directional Sign (Freestanding)
NTS

Client:



Project Name:

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KEY WEST, FLORIDA



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Date: 11.08.2017

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Drawn By: BGO

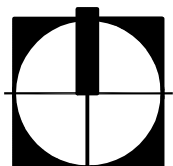
Approved By: AEP

Project No:

Scale:

1" = 20'

Seal:



ALLEN E. PEREZ, P.E.
FLORIDA PE #51468

Project Phase:

PERMIT SET SUBMITTAL

Sheet Title:

ATLANTIC BLVD. RELOCATION
CIVIL DETAILS

Sheet Number: