

ROADWAY, TROUGH & BACK DUNE RESTORATION PLANTING PLANS

FDOT | CITY OF MEXICO BEACH | US HIGHWAY 98



FINANCIAL PROJECT NO.: 445912-1-58-01
 CONTRACT NO.: ASJ12
 VENDOR NO.: F591220917002

SHEET INDEX

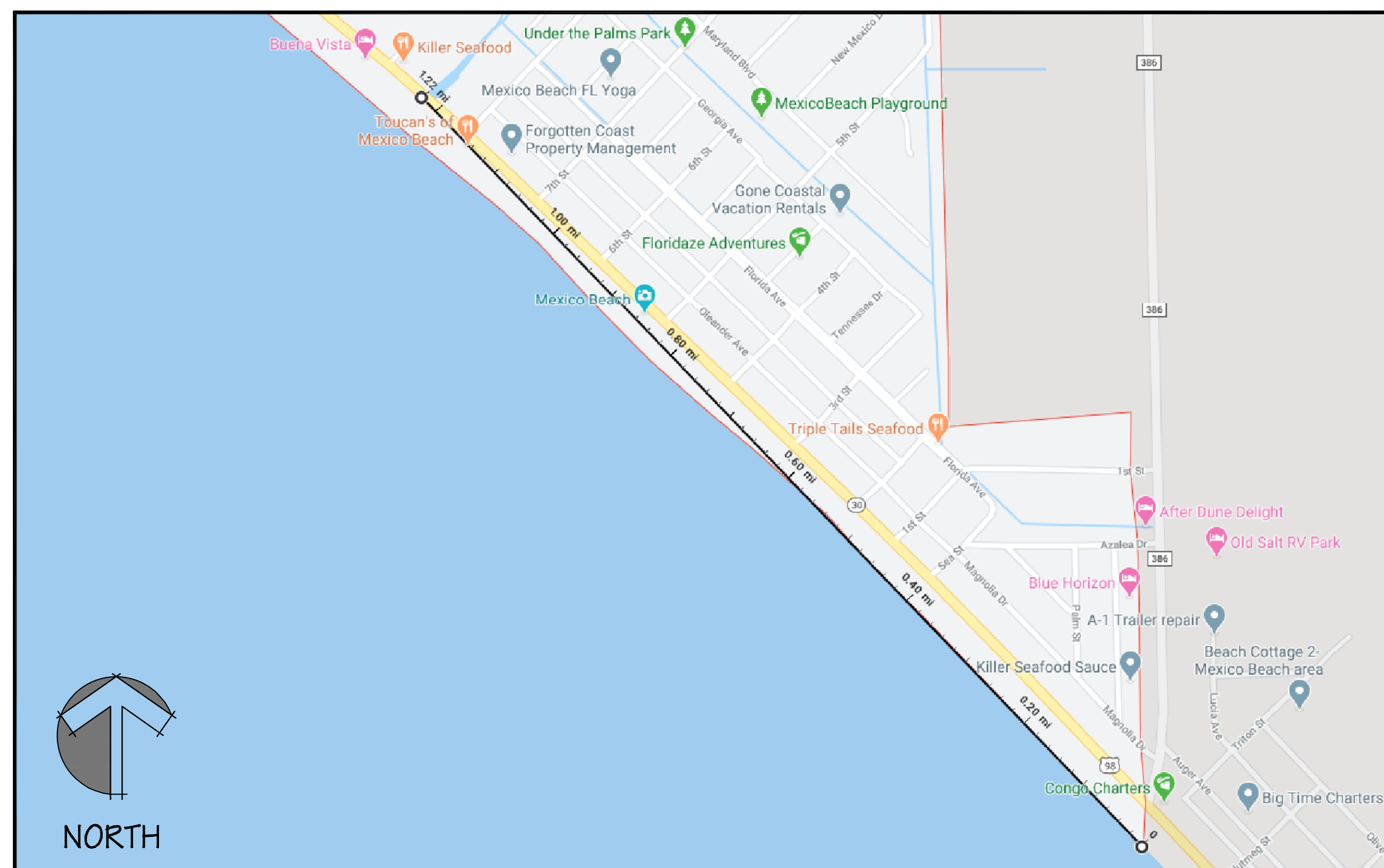
SHEET:	CONTENT:
L-1	ENLARGED PLANTING PLANS - 7TH STREET TO EXISTING DUNE WALKOVER 'A'
L-2	ENLARGED PLANTING PLANS - 6TH STREET AND EXISTING DUNE WALKOVERS 'A' & 'B'
L-3	ENLARGED PLANTING PLANS - 4TH STREET AND EXISTING DUNE WALKOVERS 'B' & 'C'
L-4	ENLARGED PLANTING PLANS - 1ST STREET AND EXISTING DUNE WALKOVER 'C'
L-5	ENLARGED PLANTING PLANS - EXISTING DUNE WALKOVER 'D' AND DUNE WALKOVER BETWEEN SEA STREET AND CR 386
L-6	ENLARGED PLANTING PLANS - DUNE WALKOVER BETWEEN SEA STREET AND CR 386 AND EXISTING DUNE WALKOVER 'E'
L-7	PLANTING SCHEDULE, NOTES & DETAILS

PROJECT SCOPE AND DESIGN OBJECTIVES:

The Mexico Beach back-dune trough restoration planting project is approximately 1.22 miles in length. The typical, average width is approximately 100 feet. The overarching objective is to establish a vigorous, resilient and dense native plant community to protect the upland and shoreline from storm surge, high winds and erosion from stormwater runoff. In addition, another goal of the plan is to create a random natural appearance. Therefore, the contractor and landscape architect will make field adjustments throughout the overall length to accommodate existing vegetation to remain and to also create visual interest and reinforce the notion of a random natural plant community.



PROJECT EXTENTS



EXISTING CONDITIONS



PLS
 PREPARED BY:
THE PATRICK HODGES LAND STUDIO
 PLANNING + URBAN DESIGN + LANDSCAPE ARCHITECTURE
 Post Office Box 611052
 Rosemary Beach, FL 32461
 Phone: (850) 528-1925
 Email: patrick@patrickhodges.com
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PREPARED FOR:
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 Office: (850) 658-5700
 Cell: (850) 258-6179
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 Website: <http://www.mexicobeachgov.com>

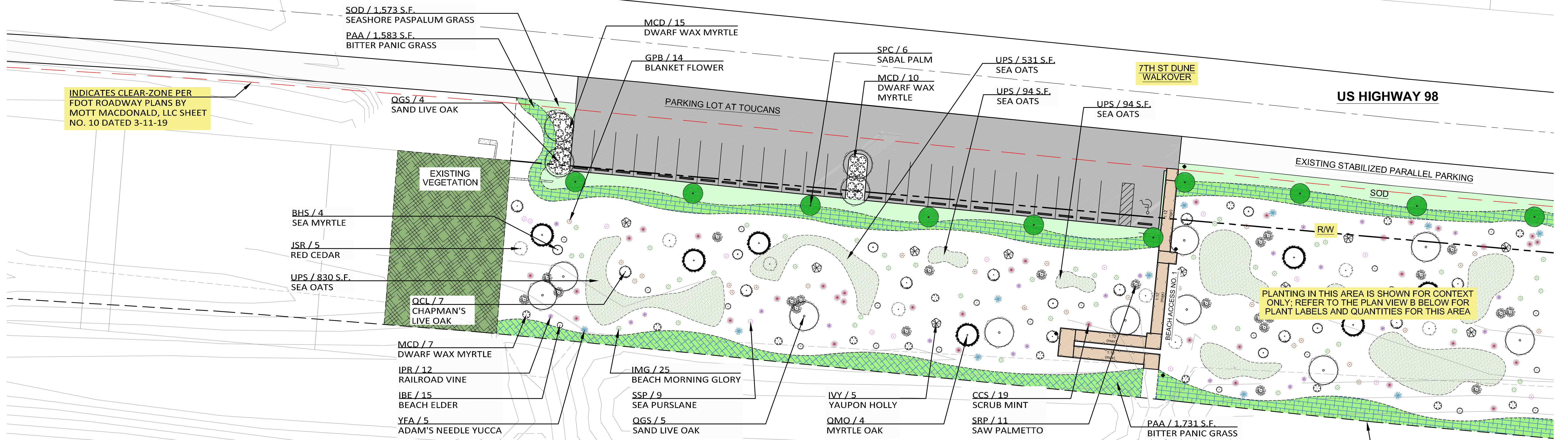
Mexico Beach, Florida
 P.O. Box 13425 | 201 Paradise Path
 Mexico Beach, Florida 32410
 (850) 648-5700

Dewberry
 324 MARINA DRIVE
 PORT ST. JOE, FL 32456
 (850)227-7200

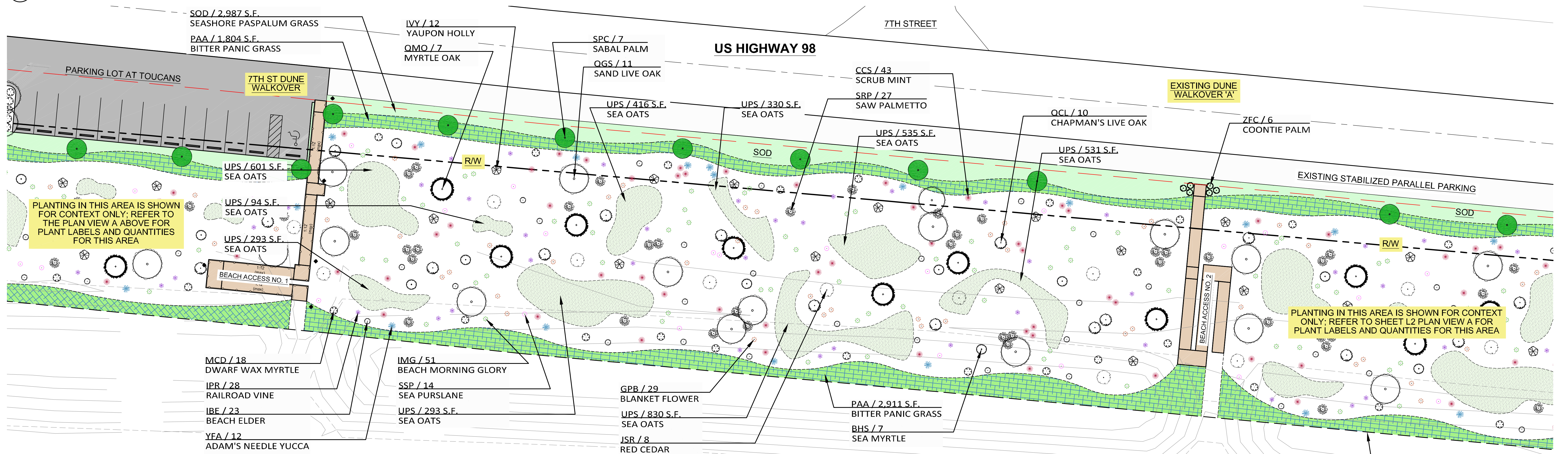


ROADWAY, TROUGH AND BACK DUNE
 RESTORATION PLANTING PLANS
 CITY OF MEXICO BEACH - US HIGHWAY 98

DESIGNED BY: HODGES
 DRAWN BY: BNL
 REVIEWED BY: PH/D/R/M/G
 DATE: JANUARY 14, 2021
COVER



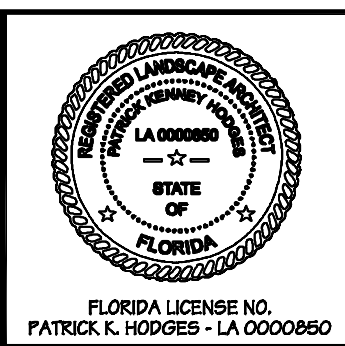
A 7TH STREET DUNE WALKOVER



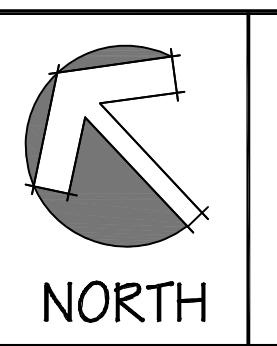
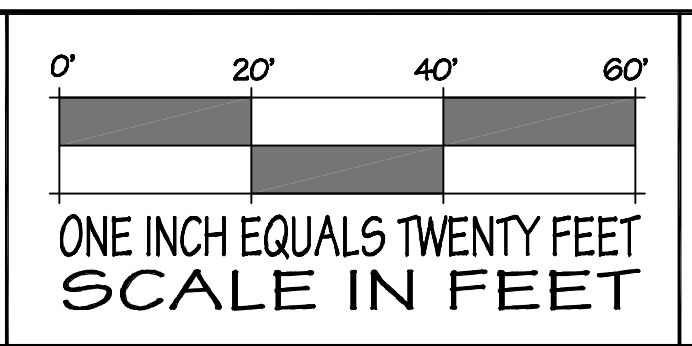
B 7TH STREET DUNE WALKOVER TO EXISTING DUNE WALKOVER 'A'

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ENLARGED PLANTING PLANS



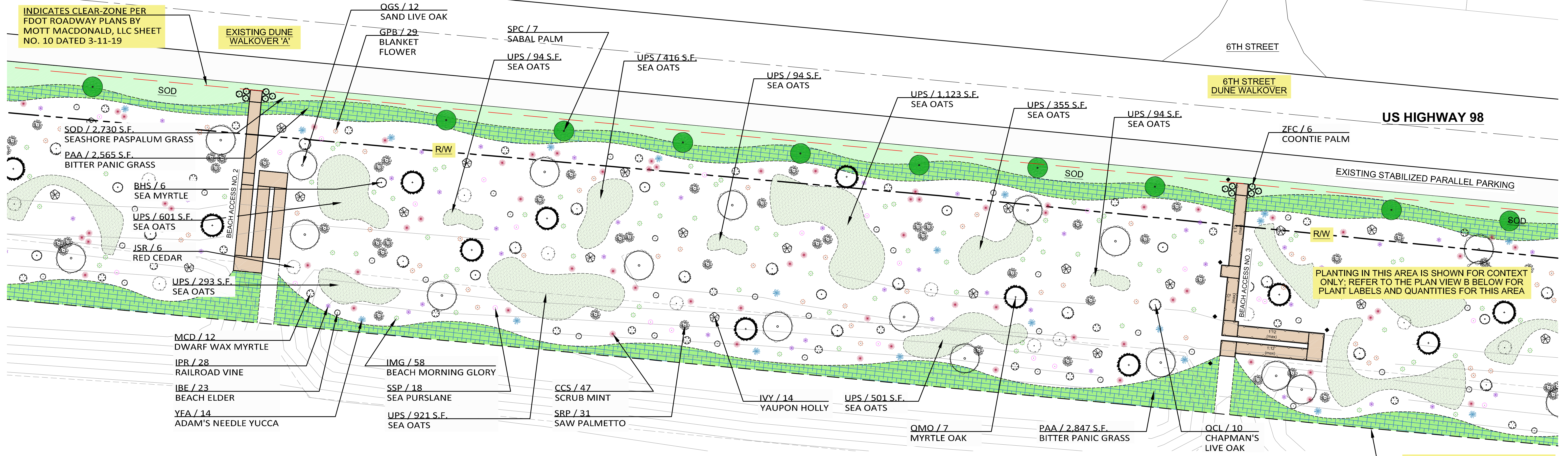
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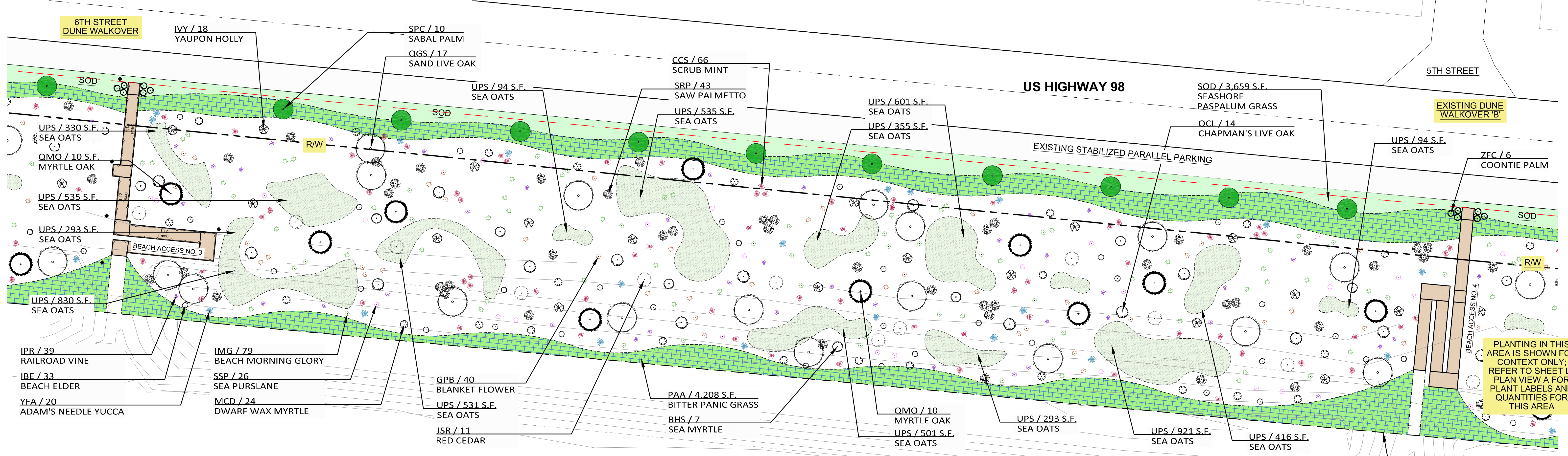
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L-1



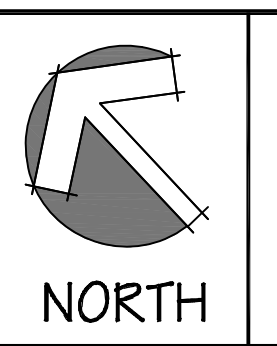
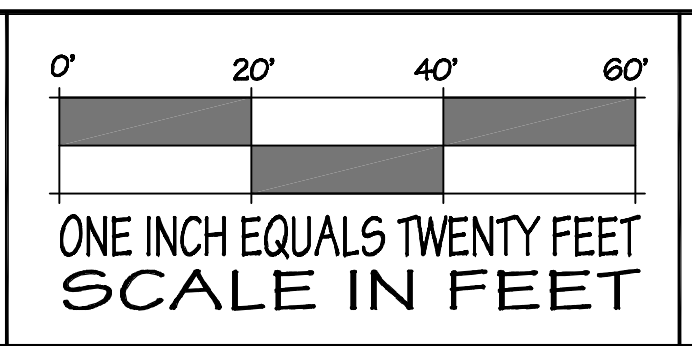
A EXISTING DUNE WALKOVER 'A' TO 6TH STREET DUNE WALKOVER



B 7TH STREET DUNE WALKOVER TO EXISTING DUNE WALKOVER 'B'

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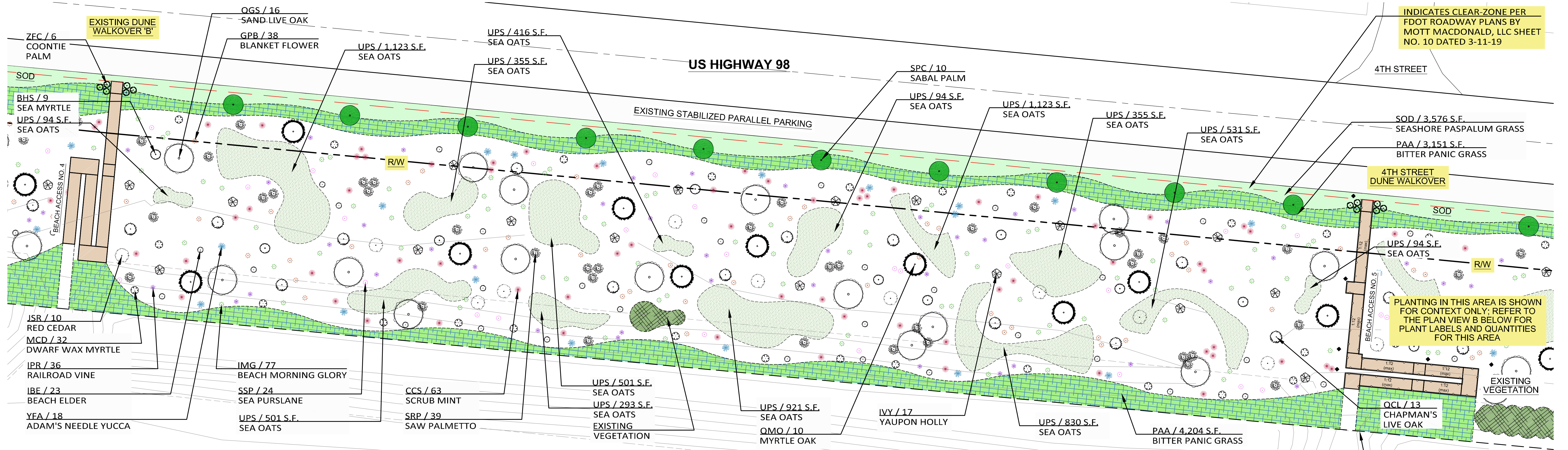
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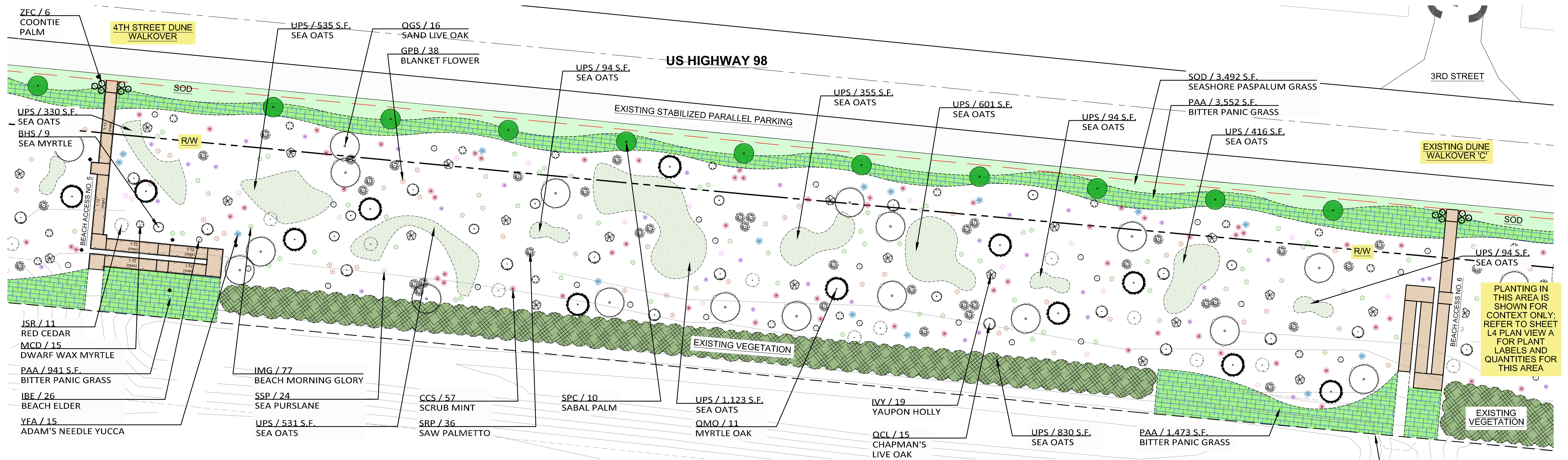
ROADWAY, TROUGH AND BACK DUNE RESTORATION
 PLANTING PLANS | CITY OF MEXICO BEACH - US HIGHWAY 98
 6TH STREET AND EXISTING DUNE WALKOVERS 'A' & 'B'

DESIGNED BY: HODGES
 DRAWN BY: BNL
 REVIEWED BY: PH/D/R/M/G
 DATE: JANUARY 14, 2021

L-2

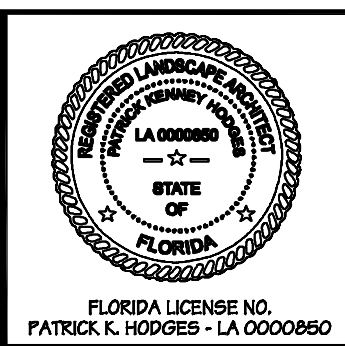


A EXISTING DUNE WALKOVER 'B' TO 4TH STREET DUNE WALKOVER

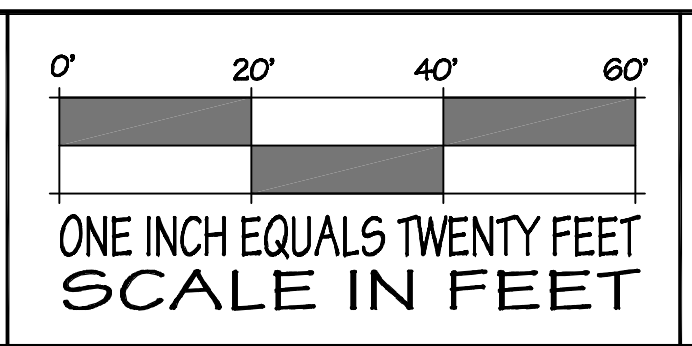


B 4TH STREET DUNE WALKOVER TO EXISTING DUNE WALKOVER 'C'

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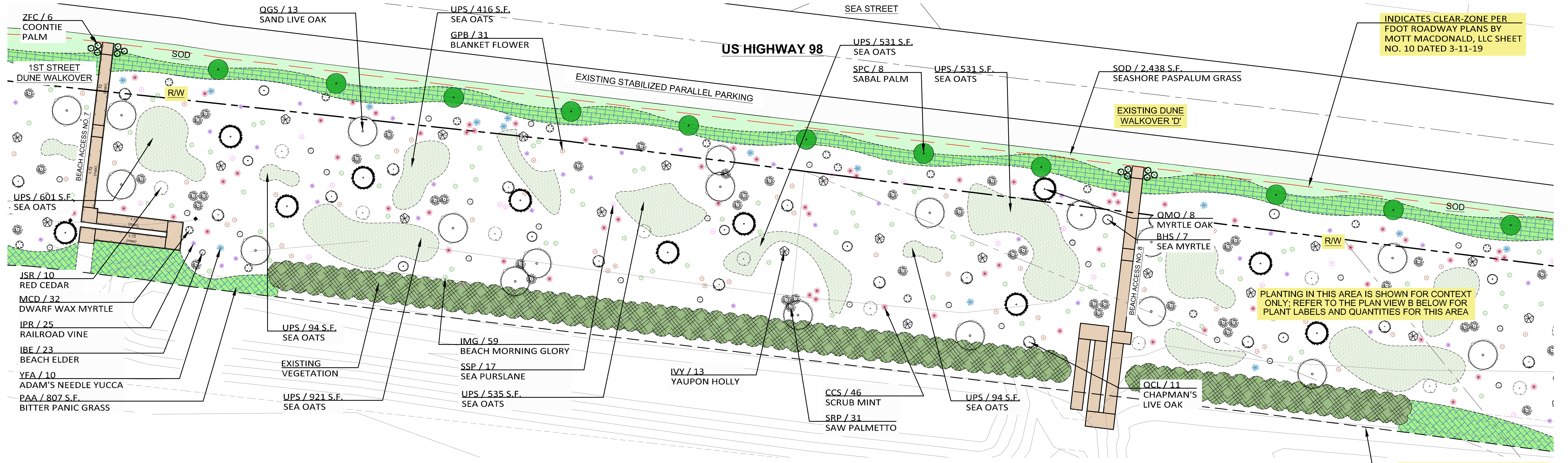
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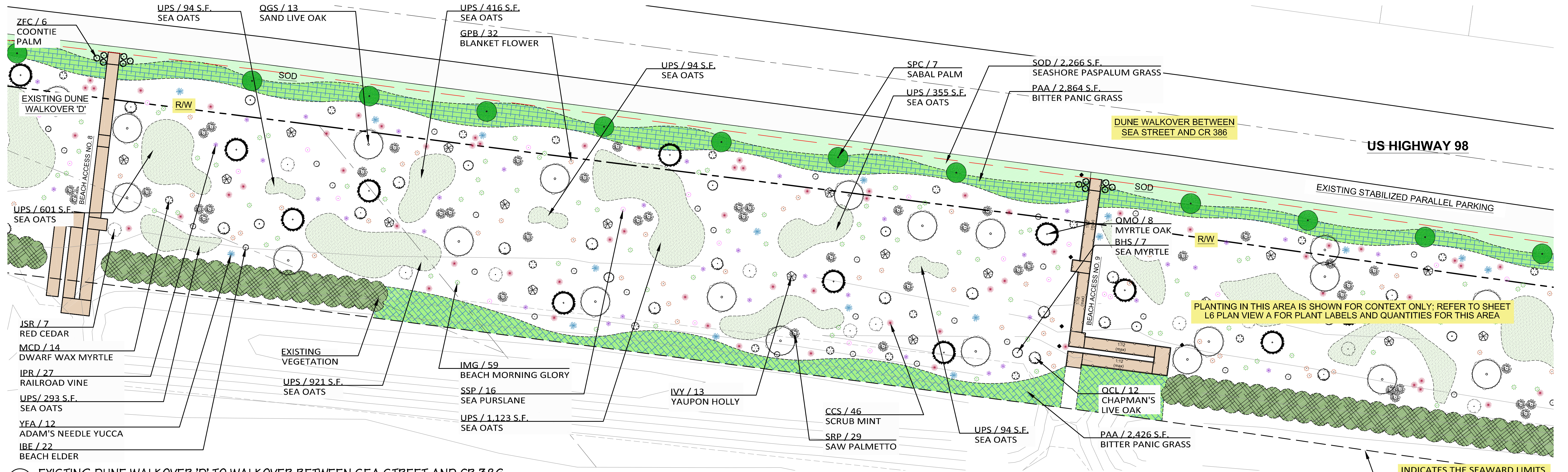
ROADWAY, TROUGH AND BACK DUNE RESTORATION
 PLANTING PLANS | CITY OF MEXICO BEACH - US HIGHWAY 98
 4TH STREET AND EXISTING DUNE WALKOVERS 'B' & 'C'

DESIGNED BY: HODGES
 DRAWN BY: BNL
 REVIEWED BY: PHIDRIMG
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L-3

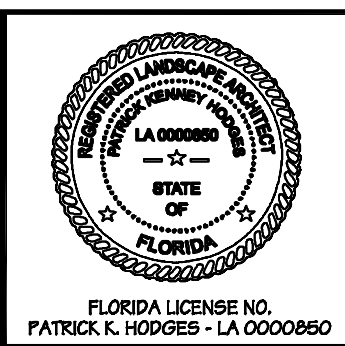


A 1ST STREET DUNE WALKOVER TO EXISTING DUNE WALKOVER 'D'
SCALE: 1" = 10' - 0"

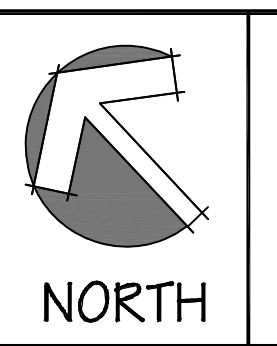
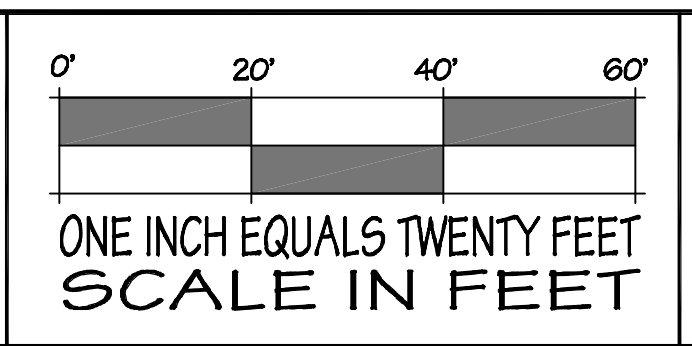


B EXISTING DUNE WALKOVER 'D' TO WALKOVER BETWEEN SEA STREET AND CR 386
SCALE: 1" = 10' - 0"

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 PLANTING PLANS | CITY OF MEXICO BEACH - US HIGHWAY 98
 EXISTING DUNE WALKOVER 'D' AND
 DUNE WALKOVER BETWEEN SEA ST. AND CR 386

DESIGNED BY: HODGES
 DRAWN BY: BHL
 REVIEWED BY: PHDRMG
 DATE: JANUARY 14, 2021

L-5

PLANTING SCHEDULE:

TREES

JSR 96 JUNIPERUS SILICICOLA - SOUTHERN RED CEDAR - 15 GALLON RANDOM NATURAL SPACING AS INDICATED ON THE PLAN OR AS OTHERWISE DIRECTED ON SITE BY THE LANDSCAPE ARCHITECT OF RECORD

QCL 134 QUERCUS CHAPMANII - CHAPMAN'S LIVE OAK - (90) AT 7 GALLON & (44) AT 15 GALLON - RANDOM NATURAL SPACING AS INDICATED ON THE PLAN OR AS OTHERWISE DIRECTED ON SITE BY THE LANDSCAPE ARCHITECT OF RECORD

QGS 157 QUERCUS GEMINATA - SAND LIVE OAK - 30 GALLON OR B&B RANDOM NATURAL SPACING AS INDICATED ON THE PLAN OR AS OTHERWISE DIRECTED ON SITE BY THE LANDSCAPE ARCHITECT OF RECORD

QMO 95 QUERCUS MYRTIFOLIA - MYRTLE OAK - 15 GALLON RANDOM NATURAL SPACING AS INDICATED ON THE PLAN OR AS OTHERWISE DIRECTED ON SITE BY THE LANDSCAPE ARCHITECT OF RECORD

PALMS
SPC 95 SABAL PALMETTO SABAL PALM (AKA CABBAGE PALM) 50' OC 14' CLEAR-TRUNK HT ENHANCED ROOTBALL; REGENERATED WITH NO HURRICANE- CUTS; SECURE HEAD (FRONDS) WITH A JUTE CORD; MAX. CLEAR TRUNK HT.: 14.75' - MIN. CLEAR TRUNK HT.: 13.25'

SHRUBS

CCS 564 CONRADINA CANESCENS - SCRUB MINT (AKA FALSE ROSEMARY) 1-GALLON RANDOM NATURAL SPACING AS INDICATED ON THE PLAN OR AS OTHERWISE DIRECTED ON SITE BY THE LANDSCAPE ARCHITECT OF RECORD

BHS 84 BACCHARIS HALIMIFOLIA - SEA MYRTLE (SEA GROUNDSEL) 3-GALLON RANDOM NATURAL SPACING AS INDICATED ON THE PLAN OR AS OTHERWISE DIRECTED ON SITE BY THE LANDSCAPE ARCHITECT OF RECORD

IVY 164 ILEX VOMITORIA - YAUPON HOLLY 3 GALLON 90% FEMALE PLANTS RANDOM NATURAL SPACING AS INDICATED ON THE PLAN OR AS OTHERWISE DIRECTED ON SITE BY THE LANDSCAPE ARCHITECT OF RECORD

MCD 209 MYRICA CERIFERA PUSILLA - DWARF WAX MYRTLE 3 GALLON RANDOM NATURAL SPACING AS INDICATED ON THE PLAN OR AS OTHERWISE DIRECTED ON SITE BY THE LANDSCAPE ARCHITECT OF RECORD

SRP 360 SERENOA REPENS - SAW PALMETTO - 3-GALLON RANDOM NATURAL SPACING AS INDICATED ON THE PLAN OR AS OTHERWISE DIRECTED ON SITE BY THE LANDSCAPE ARCHITECT OF RECORD

YFA 151 YUCCA FILAMENTOSA - ADAM'S NEEDLE - 3 GALLONS RANDOM NATURAL SPACING AS INDICATED ON THE PLAN OR AS OTHERWISE DIRECTED ON SITE BY THE LANDSCAPE ARCHITECT OF RECORD

ZFC 54 ZAMIA FLORIDANA - COONTIE - 7 GALLON AS INDICATED ON THE PLAN AT ELEVATED BEACH ACCESS BOARDWALKS

HERBACEOUS PLANTS, FLOWERING GROUNDCOVERS & VINES

GPB 371 GAILLARDIA PULCHELLA - BLANKET FLOWER- FULL GALLONS RANDOM NATURAL SPACING AS INDICATED ON THE PLAN OR AS OTHERWISE DIRECTED ON SITE BY THE LANDSCAPE ARCHITECT OF RECORD

IMG 713 IPOMOEA IMPERATI - BEACH MORNING GLORY - FULL GALLONS RANDOM NATURAL SPACING AS INDICATED ON THE PLAN OR AS OTHERWISE DIRECTED ON SITE BY THE LANDSCAPE ARCHITECT OF RECORD

IPR 340 IPOMOEA PES-CAPREA - RAILROAD VINE - FULL GALLONS RANDOM NATURAL SPACING AS INDICATED ON THE PLAN OR AS OTHERWISE DIRECTED ON SITE BY THE LANDSCAPE ARCHITECT OF RECORD

IBE 273 IVA IMBRICATA - BEACH ELDER (AKA SEASHORE ELDER) - FULL GALLONS RANDOM NATURAL SPACING AS INDICATED ON THE PLAN OR AS OTHERWISE DIRECTED ON SITE BY THE LANDSCAPE ARCHITECT OF RECORD

PAA 23,316 PANICUM AMARUM VAR. AMARULUM - BITTER PANIC GRASS - 75% LINERS AND 25% FULL GALLONS 21" OC IN AREAS AS INDICATED ON THE PLAN OR AS OTHERWISE DIRECTED ON SITE BY THE LANDSCAPE ARCHITECT

SSP 204 SESUVIUM PORTULACASTRUM - SEA PURSLANE - FULL GALLONS RANDOM NATURAL SPACING AS INDICATED ON THE PLAN OR AS OTHERWISE DIRECTED ON SITE BY THE LANDSCAPE ARCHITECT OF RECORD

UPS 11,425 UNIOLA PANICULATA - SEA OATS MIX OF SIZES AT EACH PLANTING AREA LOCATION AS FOLLOWS: 40% LINERS + 35% FULL GALLON PLANTS + 25% MIX OF 3-GALLON PLANTS AT APPROXIMATELY 30" O.C. SPACING

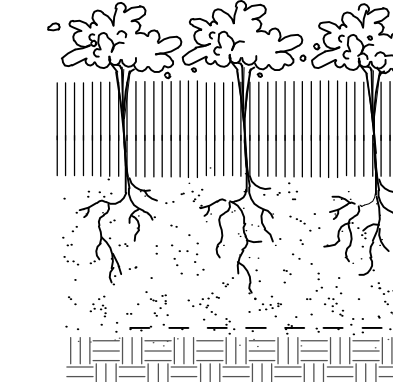
SOD 33,004 SF PASPALUM VAGINATUM - SEASHORE PASPALUM GRASS LAID SOLIDLY ALONG THE EDGE OF THE STABILIZED ROAD SHOULDER/ PARKING IN A GENTLY UNDULATING LAYOUT AS INDICATED ON PLAN

ABBREVIATIONS: A.S. - AS SHOWN B&B - BALLED & BURLAPPED CAL. - CALIPER C.G.S. - CONTAINER GROWN STOCK D.S.R. - DOUBLE STAGGERED ROW HT. - HEIGHT SPRD. - SPREAD O.C. - ON CENTER

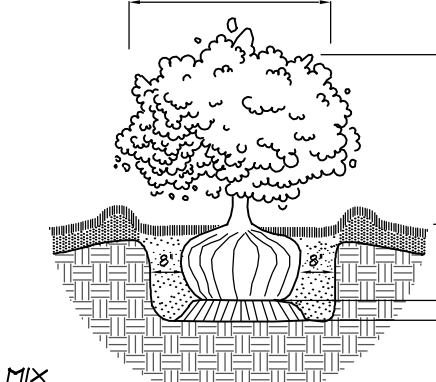
TROUGH, ROADWAY & BACK-DUNE PLANTING NOTES & REQUIREMENTS:

- PERMITS** - THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY PERMITS OR APPROVALS FROM THE FEDERAL, STATE OR LOCAL GOVERNMENT REQUIRED FOR THE WORK INCLUDED IN THIS CONTRACT AND ON THESE DRAWINGS.
- UTILITY LOCATION REQUESTS** - LOCATE ALL UNDERGROUND UTILITIES, ELECTRICAL WIRING, WATER, SEWER, TELEPHONE, CABLE TV, ETC., PRIOR TO LANDSCAPE OR IRRIGATION INSTALLATION
- PLANTING STAKE-OUT** - STAKE AND LAYOUT ALL PLANTING LOCATIONS FOR REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO EXCAVATION OR PLANTING. PLANTING LOCATIONS ARE SUBJECT TO FIELD ADJUSTMENT BY THE LANDSCAPE ARCHITECT.
- QUALITY** - INSTALL ONLY PLANTS GRADED FLORIDA NO.1 OR BETTER AS SET FORTH IN THE FLORIDA DEPARTMENT OF AGRICULTURE 'GRADES AND STANDARDS FOR NURSERY PLANTS' 2015 EDITION INCLUDING REVISIONS, AND WHICH MEET OR EXCEED THE SIZES INDICATED IN THE PLANTING SCHEDULE AND DETAILS.
- PLANTING DEPTH** - THE ROOT MASS OF ALL PLANTS SHALL BE INSTALLED AT A MINIMUM 6-INCH PLANTING DEPTH.
- FERTILIZATION** - ALL PLANTS SHALL BE FERTILIZED WITH OSMOCOTE PRO (16+11+10+2MGO+TE) SLOW-RELEASED OVER 12-14 MONTHS AT THE MANUFACTURER'S RECOMMENDED APPLICATION RATE. [HTTP://WWW.OSMOCOTE.CO.ZA/PRODUCT.HTM](http://www.osmocote.co.za/product.htm)
- PALM FERTILIZATION** - FERTILIZE ALL PALMS WITH PALM-GAIN 8-2-12 FORMULA (OR AN LA-APPROVED EQUIVALENT) AS MANUFACTURED BY BGI AT MANUFACTURER'S RECOMMENDED RATE. [WWW.BGI-USA.COM](http://www.bgi-usa.com)
- MOISTURE RETENTION AMENDMENTS** - PLANTING PITS SHALL BE BACKFILLED WITH A MIXTURE OF IN-STU SOILS MIXED WITH STOCKSORB® HYRDO GEL AT THE MANUFACTURER'S RECOMMENDED APPLICATION RATE. [HTTP://WWW.CREASORB.COM/](http://www.creasorb.com/)
- LAYOUT** - PLANTS SHALL BE INSTALLED USING A RANDOM NATURAL SPACING PATTERN FOLLOWING THE ON-CENTER SPACING RANGE AS SPECIFIED IN THE PLANTING SCHEDULE AS A GENERAL GUIDE.
- WATERING** - THE CONTRACTOR SHALL INSTALL A TEMPORARY IRRIGATION SYSTEM AND SHALL WATER THE NEWLY PLANTED AREAS AS NEEDED TO ENSURE THAT ALL OF THE PLANTS THRIVE AND SURVIVE UNTIL FINAL ACCEPTANCE BY THE CITY OF MEXICO BEACH AND FDOT.
- PLANT REPLACEMENT** - THE CONTRACTOR SHALL REPLACE ANY DEAD OR DECLINING PLANTS WITHIN 30 DAYS.
- APPROVALS** - ALL PLANTS, MATERIALS AND WORKMANSHIP ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT AND THE CITY OF MEXICO BEACH.
- SUBSTITUTIONS** - DO NOT MAKE SUBSTITUTIONS OR REVISIONS. ANY REVISION OR MODIFICATIONS TO THE LANDSCAPE PLAN MUST HAVE PRIOR APPROVAL BY THE LANDSCAPE ARCHITECT, FDOT AND THE CITY OF MEXICO BEACH.
- FDOT PLANT SURVIVABILITY REQUIREMENTS** - FDOT REQUIRES THAT 100% (ONE-HUNDRED- PERCENT) OF ALL PLANTING SHALL SURVIVE FOR A TWO-YEAR PERIOD.
- MAINTENANCE OF TRAFFIC (MOT) PLAN** - THE CONTRACTOR SHALL PROVIDE FOR THE MAINTENANCE OF TRAFFIC IN ACCORDANCE WITH FDOT REQUIREMENTS.
- COPYRIGHT** - THESE DRAWING DOCUMENTS AND ALL CONTENTS ARE COPYRIGHT AND ARE THE PROPERTY OF THE PATRICK K. HODGES ALL RIGHTS ARE RESERVED. UNAUTHORIZED USE OR REPRODUCTION, IN PART OR WHOLE, FOR ANY PURPOSE IS UNLAWFUL AND PROHIBITED EXCEPT BY EXPRESS WRITTEN CONSENT. Copyright© 2021 The Patrick Hodges Land Studio

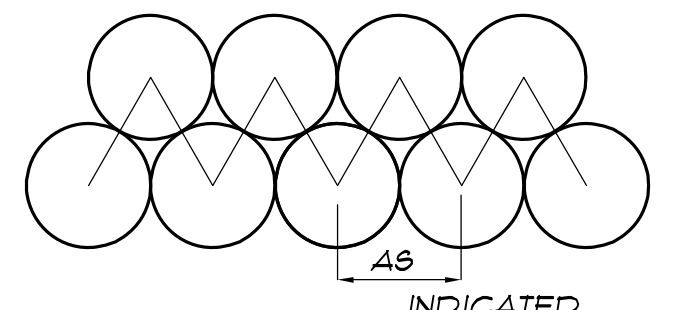
TRIANGULAR SPACING PER SCHEDULE



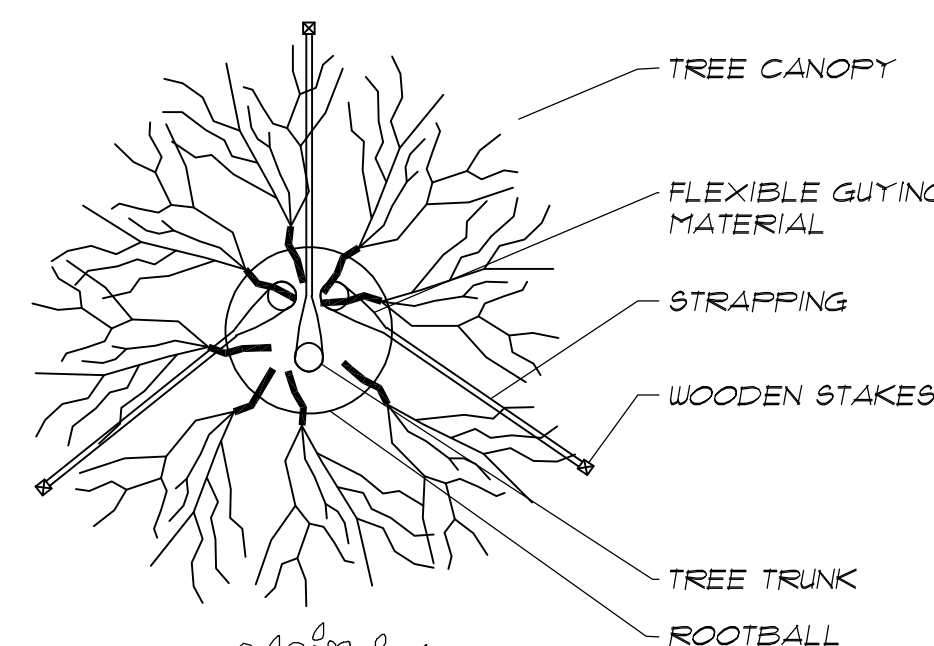
A GROUNDCOVER PLANTING DETAIL
N.T.S. NO MULCH REQUIRED



B SHRUB PLANTING DETAIL
N.T.S. NO MULCH REQUIRED



C TRIANGULAR SPACING DETAIL
N.T.S.



PURSUANT TO A.A.N. STANDARDS CALIPER MEASUREMENTS SHALL BE MADE 6 INCHES ABOVE GROUND LEVEL (ROOTBALL) UP TO AND INCLUDING 4 INCH CALIPER; 12 INCHES ABOVE GROUND LEVEL FOR LARGER SIZES.

("DUCKBILL" GUYING SYSTEM IS AN ACCEPTABLE ALTERNATIVE TO BELOW)

PLANT SO THAT TOP OF ROOT BALL IS EVEN WITH THE FINISHED GRADE

FLAG GUYING WIRES WITH SAFETY ORANGE COLORED SURVEYOR'S FLAGGING TAPE

MAINTAIN GUYING & SAFETY FLAGS FOR ONE YEAR; THEN REMOVE

RUBBER HOSE 1" DIA. (8" MIN.) TO PROTECT BARK FROM WIRE

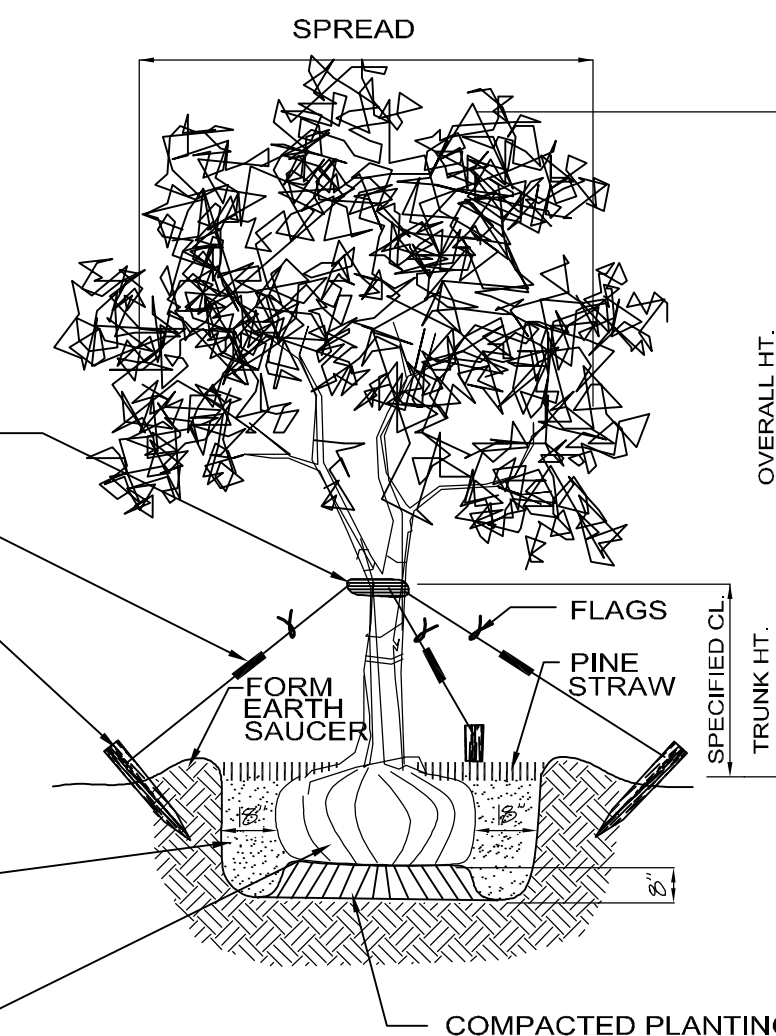
GUYING WIRES 2 STRAND TWIST 12 GAUGE WIRE W/ TURNBUCKLE

3 2"x4"x24" PRESSURE TREATED STAKES - TOP OF STAKE 6" ABOVE GROUND

PAINT W/SAFETY ORANGE SOLUBLE MARKING PAINT

SPECIFIED PLANTING MIX WATER & TAMP TO REMOVE AIR POCKETS

REMOVE CONTAINER



E TREE PLANTING DETAIL 1" - 3 1/2" CALIPER SIZE
N.T.S. NO MULCH REQUIRED

NOTE: ALL EXPOSED SURFACES OF WOOD STAKES AND BRACES SHALL BE PAINTED WITH TWO-COATS OF BENJAMIN MOORE - BLACK FOREST GREEN - RME-46

WRAP TRUNK WITH 5 LAYERS OF BURLAP. WRAP CLEAT BAND AROUND 2" X 4" X 12" LUMBER. HAMMER BRACES TO LUMBER

2" X 4" BRACES SPACED 120" APART. LENGTH VARIES.

3" SAUCER AROUND TREE

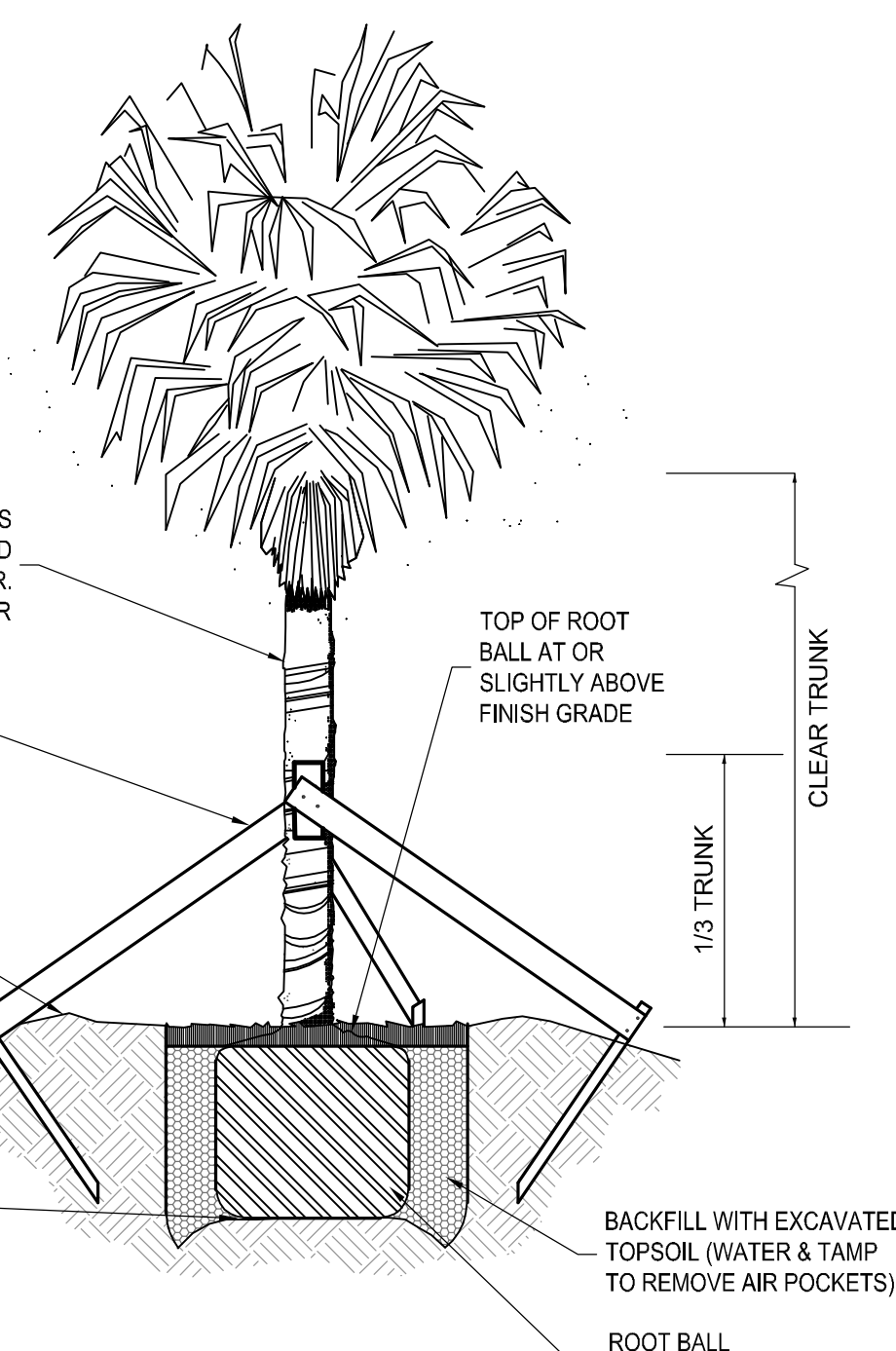
2" X 4" P.T. BRACE NAILED TO 2" X 4" X 18" WOOD STAKE

FINISH GRADE

SET ROOT BALL ON UNDISTURBED SOIL

BACKFILL WITH EXCAVATED TOPSOIL (WATER & TAMP TO REMOVE AIR POCKETS)

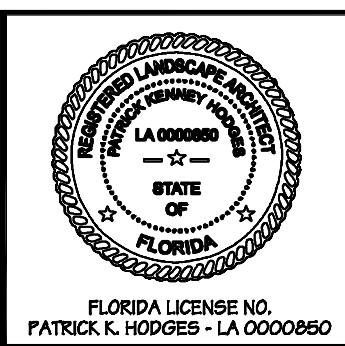
ROOT BALL - REMOVE CONTAINER OR FOLD BACK 1/3 OF BURLAP



F SABAL PALM PLANTING DETAIL
N.T.S. NO MULCH REQUIRED

D MULTI-TRUNK TREE PLANTING DETAIL
N.T.S. NO MULCH REQUIRED

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**PLANTING SCHEDULE
NOTES & DETAILS**



**ROADWAY, TROUGH AND BACK DUNE
RESTORATION PLANTING PLANS**
CITY OF MEXICO BEACH - US HIGHWAY 98

DESIGNED BY: HODGES
DRAWN BY: BNL
REVIEWED BY: PHODRIMG
DATE: JANUARY 14, 2021
L-7