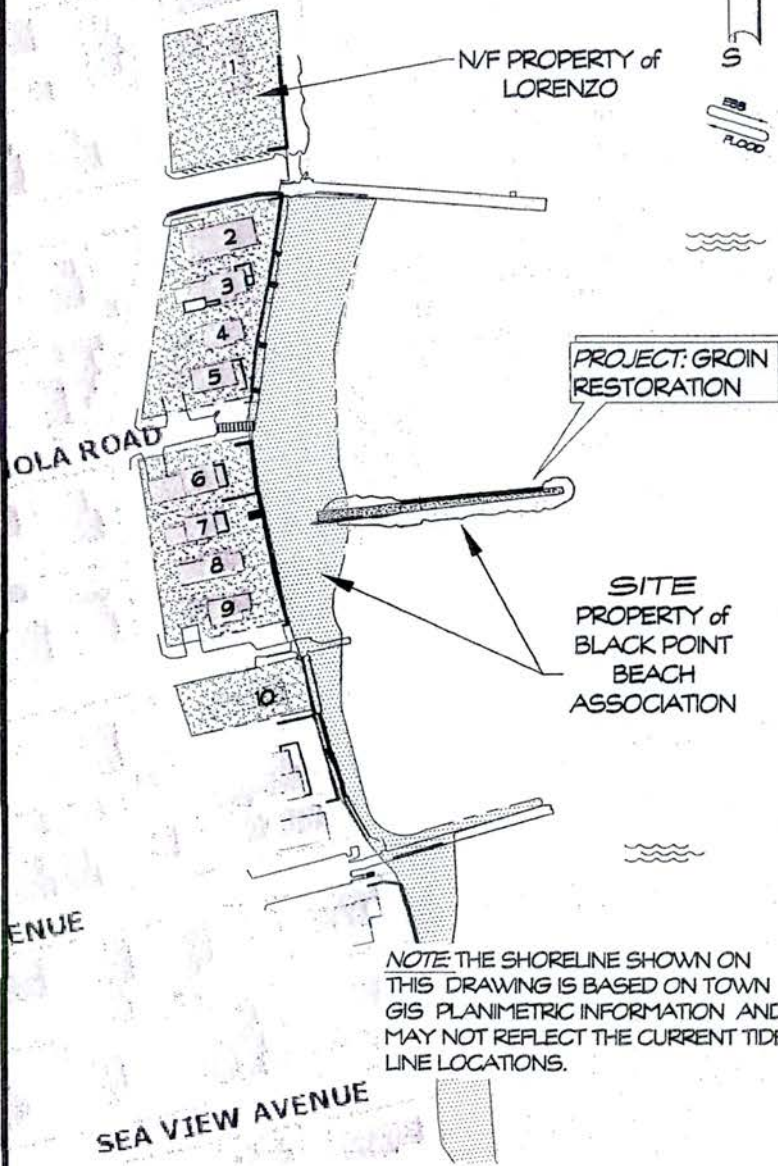


1-10
PROPERTY
OWNERS AND
MAILING
ADDRESSES ON
SHEET 2

NIANTIC BAY

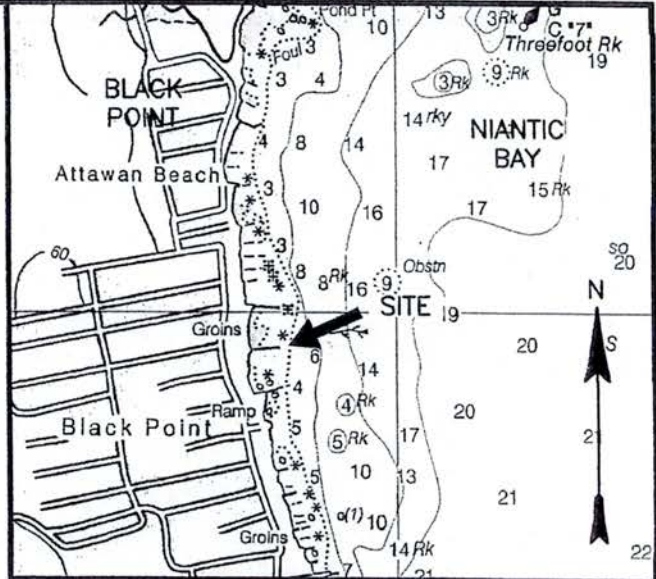
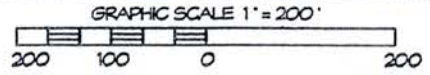


PROJECT: GROIN RESTORATION

SITE
PROPERTY OF
BLACK POINT
BEACH
ASSOCIATION

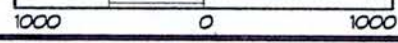
NOTE: THE SHORELINE SHOWN ON THIS DRAWING IS BASED ON TOWN GIS PLANIMETRIC INFORMATION AND MAY NOT REFLECT THE CURRENT TIDE LINE LOCATIONS.

OVERALL PLAN



LOCATION MAP

REFERENCE
CHART : 12372
GRAPHIC SCALE
IN YARDS



NOTES:

1. ELEVATION DATUM IS MEAN LOW WATER (MLW).
2. TIDE DATA IS TAKEN FROM 2019 NOAA TIDE TABLES REFERENCE : NEW LONDON. C.J.L IS TAKEN FROM THE COASTAL JURISDICTIONAL LINE FACT SHEET : EAST LYME
3. PROJECT DESCRIPTION: RESTORE AN EXISTING AUTHORIZED GROIN TO INCLUDE DRIVING 205±LF OF STEEL SHEET PILING, PUMPING CONCRETE INTO VOIDS IN THE ARMOR STONE ALONG THE SOUTH AND EAST EDGES OF THE GROIN, 50±CY OVER 750±SF, REFILLING THE EXISTING STEEL SHEET PILE GROIN CAVITY WITH CONCRETE, 250±CY OVER 2500±SF CASTING A NEW 11 INCH THICK REINFORCED CONCRETE CAP WITH EDGING OVER THE GROIN, 200±CY OVER 2750±SF AND PLACING SUPPLEMENTAL ARMOR STONE, 25±CY OVER 250±SF, AT AND WATERWARD OF THE HIGH TIDE LINE AND CT COASTAL JURISDICTION LINE.
4. PROJECT PURPOSE: TO PRESERVE THE EXISTING LONGSTANDING SHORELINE PROTECTION AND SAND AND PROVIDE PUBLIC ACCESS INTO NIANTIC BAY.
5. THESE APPLICATION DRAWINGS REPRESENT A COMPILATION OF SURVEYS FOR ENVIRONMENTAL PERMIT PURPOSES. THEY ARE NOT CONSTRUCTION CONTRACT DOCUMENTS. A TOWN BUILDING PERMIT MAY BE REQUIRED.
6. ADJOINING PROPERTY OWNERS:
FOR PROPERTIES LABELED "1-10" SEE SHEET 2



PROJECT: GROIN RESTORATION

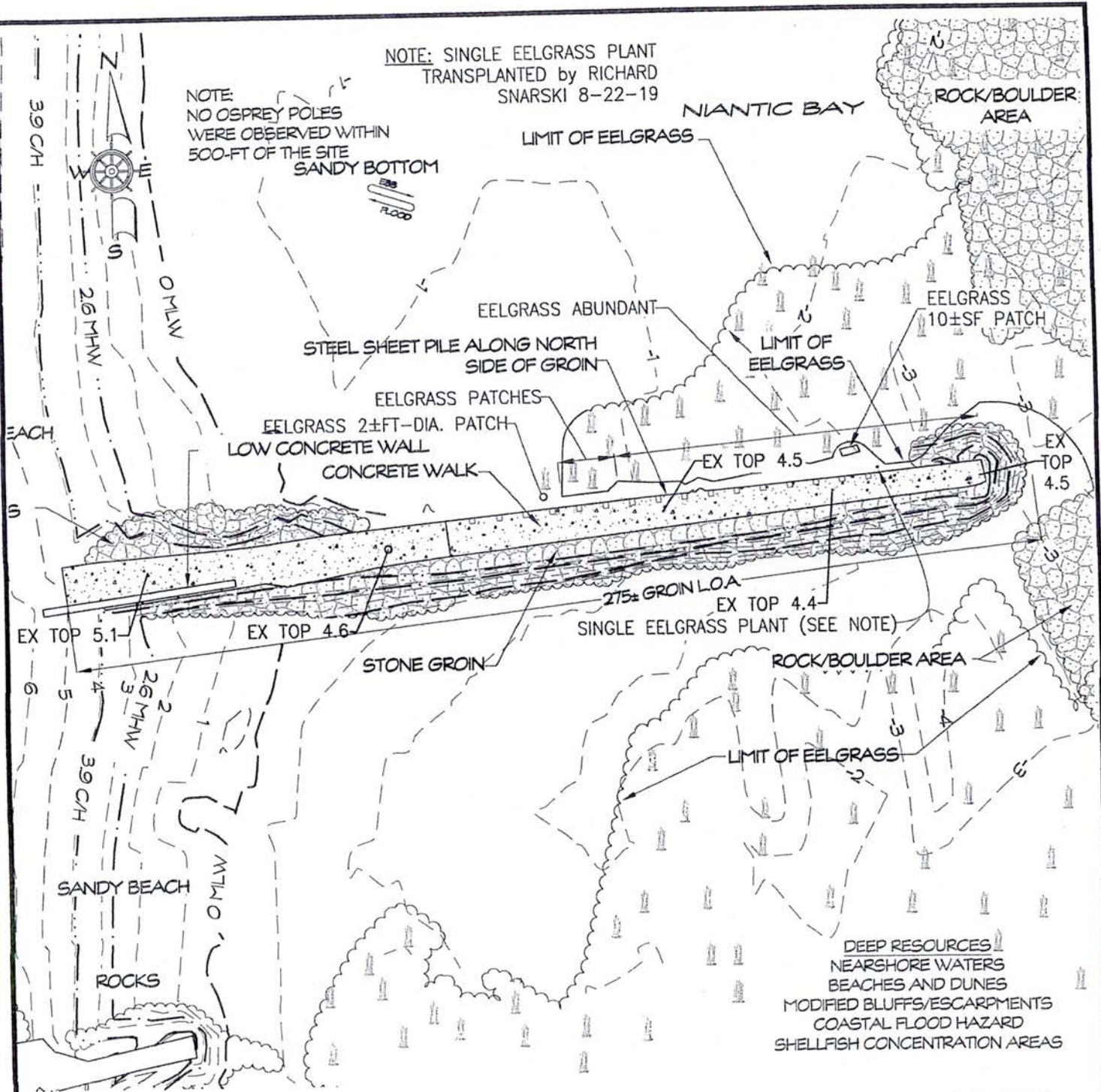
LOCATION: BLACK POINT - TOWN of EAST LYME
NEW LONDON COUNTY, CONNECTICUT

WATERWAY: NIANTIC BAY
DATE: JUNE 28, 2019
APPLICANT: BLACK POINT BEACH CLUB
ASSOCIATION, INC
AGENT: SHEET 1 OF 9

DOCKO, INC.
Keith B. Nelson, PE
Mystic, CT 06355
860 572 8939 FAX 860 572 7569
EMAIL: office@docko.com

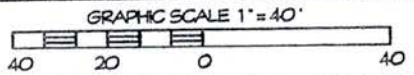


DWG 19-03-3010



SURVEY by RESOURCE MANAGEMENT & MAPPING
ELEVATIONS ARE BASED ON MEAN LOW WATER (MLW)

EXISTING CONDITIONS



REVISED 8-27-19 DEEP
EX CONC DECK ELEV.



PROJECT: GROIN RESTORATION

LOCATION: BLACK POINT - TOWN of EAST LYME
NEW LONDON COUNTY, CONNECTICUT

WATERWAY: NIANTIC BAY

DATE: JUNE 27, 2019

APPLICANT: BLACK POINT BEACH CLUB
ASSOCIATION, INC

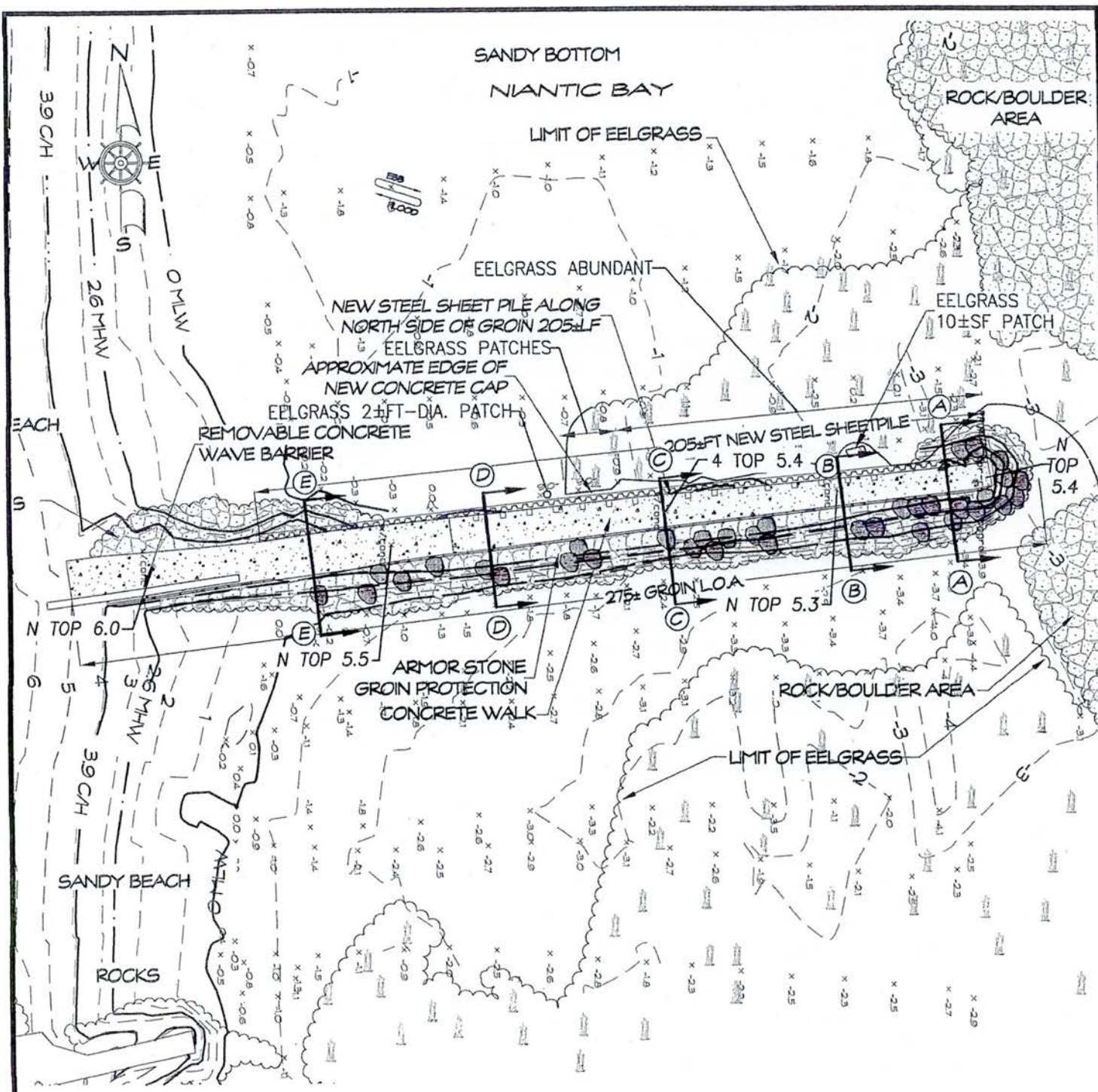
AGENT: SHEET 3 OF 9

DOCKO, INC.

Keith B. Neilson, PE
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EMAIL: office@docko.com

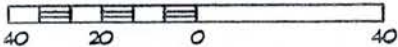


DWG 19-03-3010



PLAN VIEW

GRAPHIC SCALE 1" = 40'



REVISED 7-19-19 DEEP
8-17-19 EELGRASS SURVEY
& SECTIONS



SURVEY by RESOURCE MANAGEMENT & MAPPING
ELEVATIONS ARE BASED ON MEAN LOW WATER (MLW)

PROJECT: GROIN RESTORATION

LOCATION: BLACK POINT - TOWN of EAST LYME
NEW LONDON COUNTY, CONNECTICUT

WATERWAY: NIANTIC BAY
DATE: JUNE 27, 2019
APPLICANT: BLACK POINT BEACH CLUB
ASSOCIATION, INC

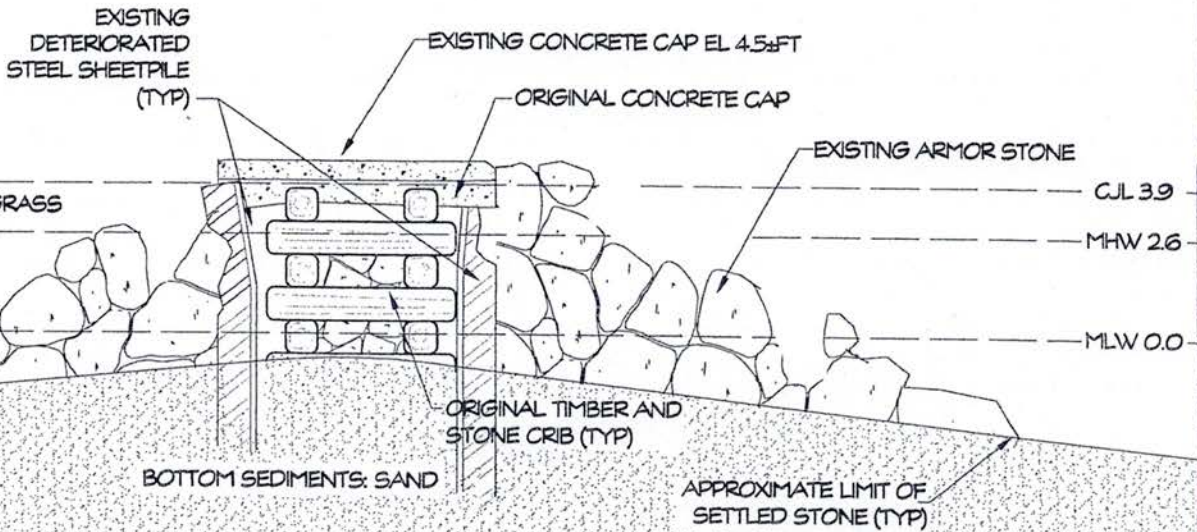
AGENT: SHEET 4 OF 9

DOCKO, INC.

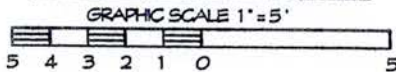
Keith B. Neilson, PE
Mystic, CT 06355
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EMAIL: offica@docko.com



DWG 19-03-3010



EXISTING GROIN SECTION A-A



NEW EDGING (TYP ALONG BOTH SIDES)

NEW REINFORCED CONCRETE CAP EL 5.3±FT

NEW STEEL SHEETPILE (TYP)

REMOVE STONE AS NECESSARY TO FILL VOIDS WITH CONCRETE THEN RESET STONE

SUPPLEMENTAL ARMOR STONE 25±CY OVER 250±SF VARIABLE THROUGHOUT ARMOR STONE AREA

CJL 3.9
LIMIT OF EELGRASS
MHW 2.6

EXISTING ARMOR STONE

MLW 0.0

NEW SHEETPILE TIE-BACK ROD (TYP)

ORIGINAL TIMBER AND STONE CRIB (TYP)

BOTTOM SEDIMENTS: SAND

APPROXIMATE LIMIT OF SETTLED STONE (TYP)

GROIN RESTORATION SECTION A-A



ELEVATIONS ARE BASED ON MEAN LOW WATER (MLW)

PROJECT: GROIN RESTORATION

LOCATION: BLACK POINT - TOWN OF EAST LYME
NEW LONDON COUNTY, CONNECTICUT

WATERWAY: NANTIC BAY

DATE: JUNE 27, 2019

APPLICANT: BLACK POINT BEACH CLUB ASSOCIATION, INC

AGENT: SHEET 5 OF 9

DOCKO, INC.

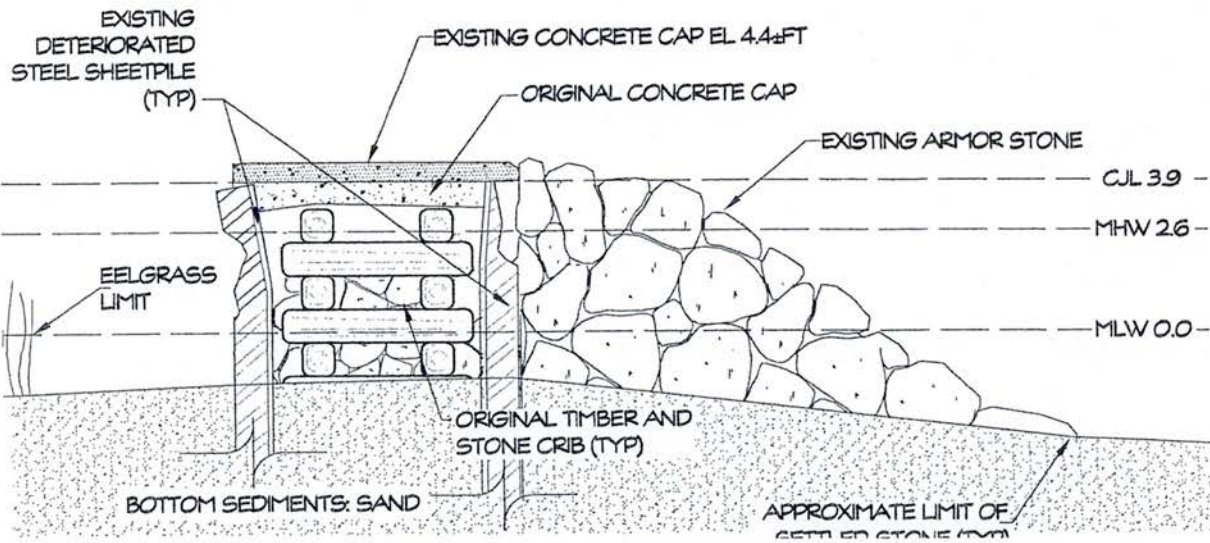
Keith B. Neilson, PE
Mystic, CT 06355
860 572 8939 FAX 860 572 7569
EMAIL: office@docko.com



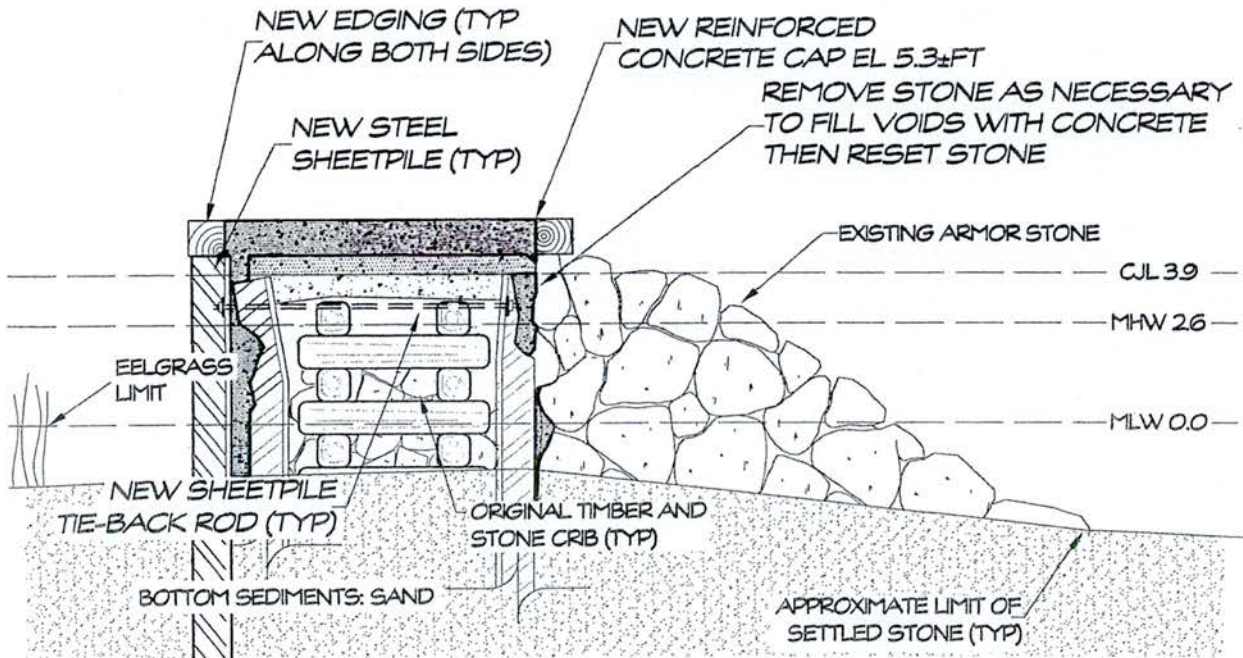
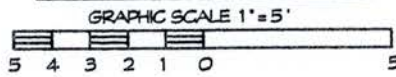
DWG 19-03-3010



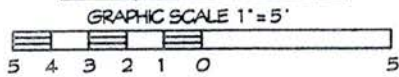
REVISED 7-19-19 DEEP
8-17-19 EELGRASS SURVEY
REVISED 8-21-19 DEEP
NEW SECTION



EXISTING GROIN SECTION B-B



GROIN RESTORATION SECTION B-B



REVISED 8-21-19 DEEP
NEW SECTION

PROJECT: GROIN RESTORATION

LOCATION: BLACK POINT - TOWN OF EAST LYME
NEW LONDON COUNTY, CONNECTICUT

WATERWAY: NANTIC BAY

DATE: JUNE 27, 2019

APPLICANT: BLACK POINT BEACH CLUB
ASSOCIATION, INC

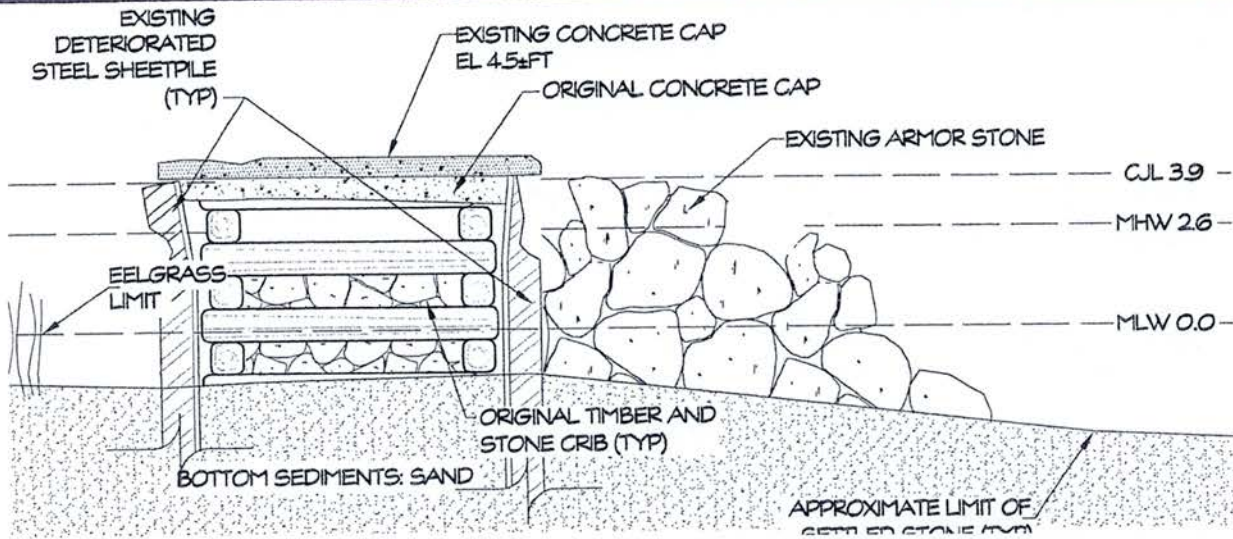
AGENT: SHEET 6 OF 9

DOCKO, INC.

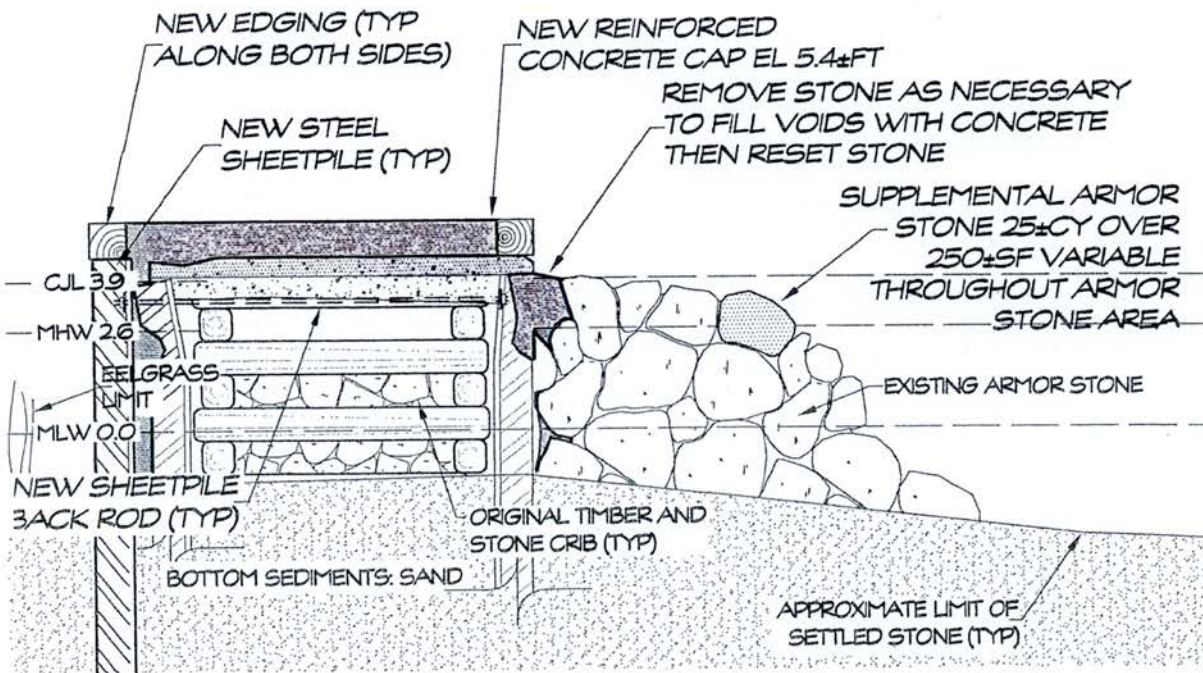
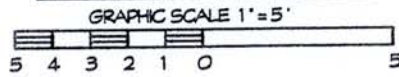
Keith B. Nelson, PE
Mystic, CT 06355
860 572 8939 FAX 860 572 7569
EMAIL: office@docko.com



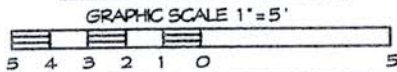
DWG 19-08-3010



EXISTING GROIN SECTION C-C



GROIN RESTORATION SECTION C-C



REVISED 8-21-19 DEEP
NEW SECTION

PROJECT: GROIN RESTORATION

LOCATION: BLACK POINT - TOWN of EAST LYME
NEW LONDON COUNTY, CONNECTICUT

WATERWAY: NIAN TIC BAY

DATE: JUNE 27, 2019

APPLICANT: BLACK POINT BEACH CLUB
ASSOCIATION, INC

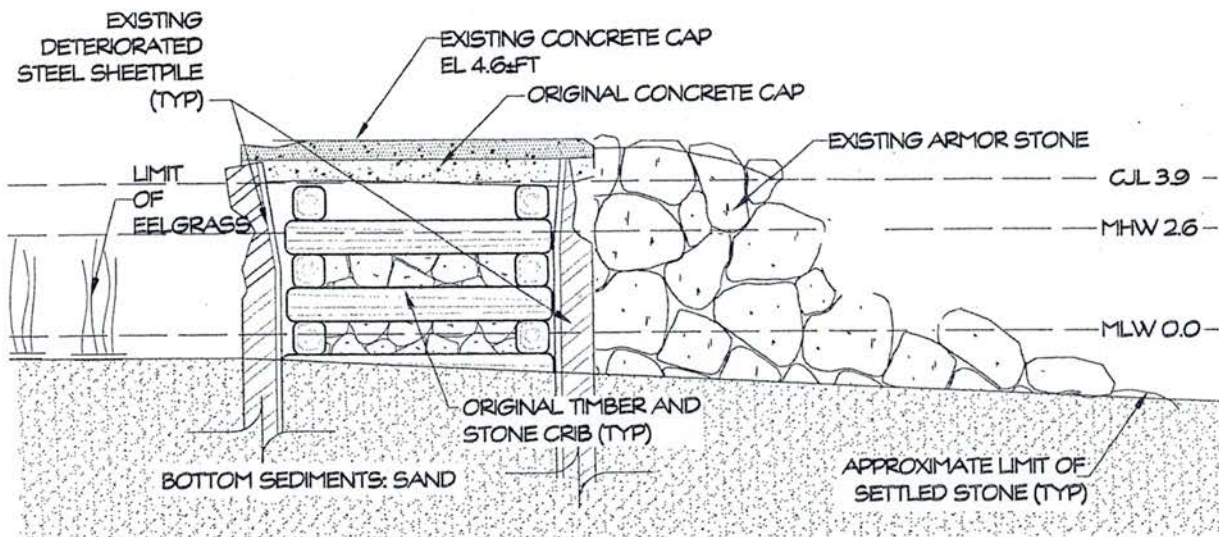
AGENT: SHEET 7 OF 9

DOCKO, INC.

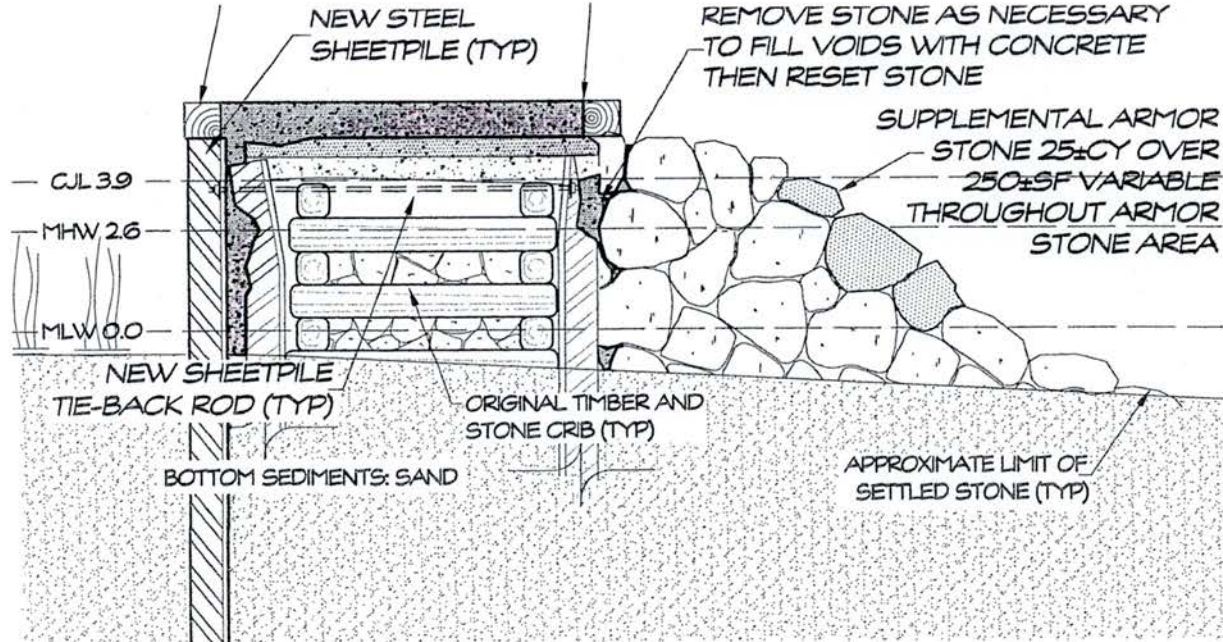
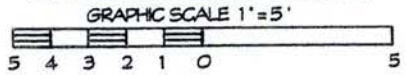
Keith B. Nelson, PE
Mystic, CT 06355
860 572 8939 FAX 860 572 7569
EMAIL: office@docko.com



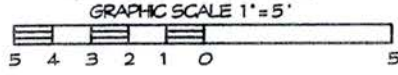
DWG 19-03-3010



EXISTING GROIN SECTION D-D



GROIN RESTORATION SECTION D-D

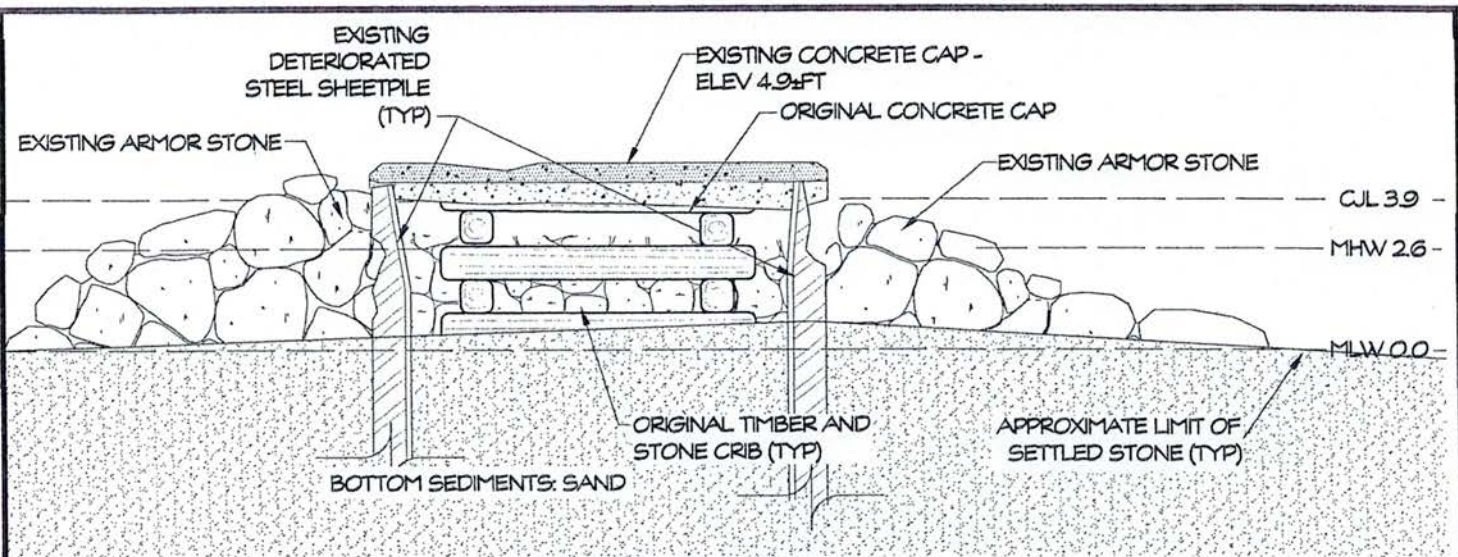


REVISED 8-21-19 DEEP NEW SECTION

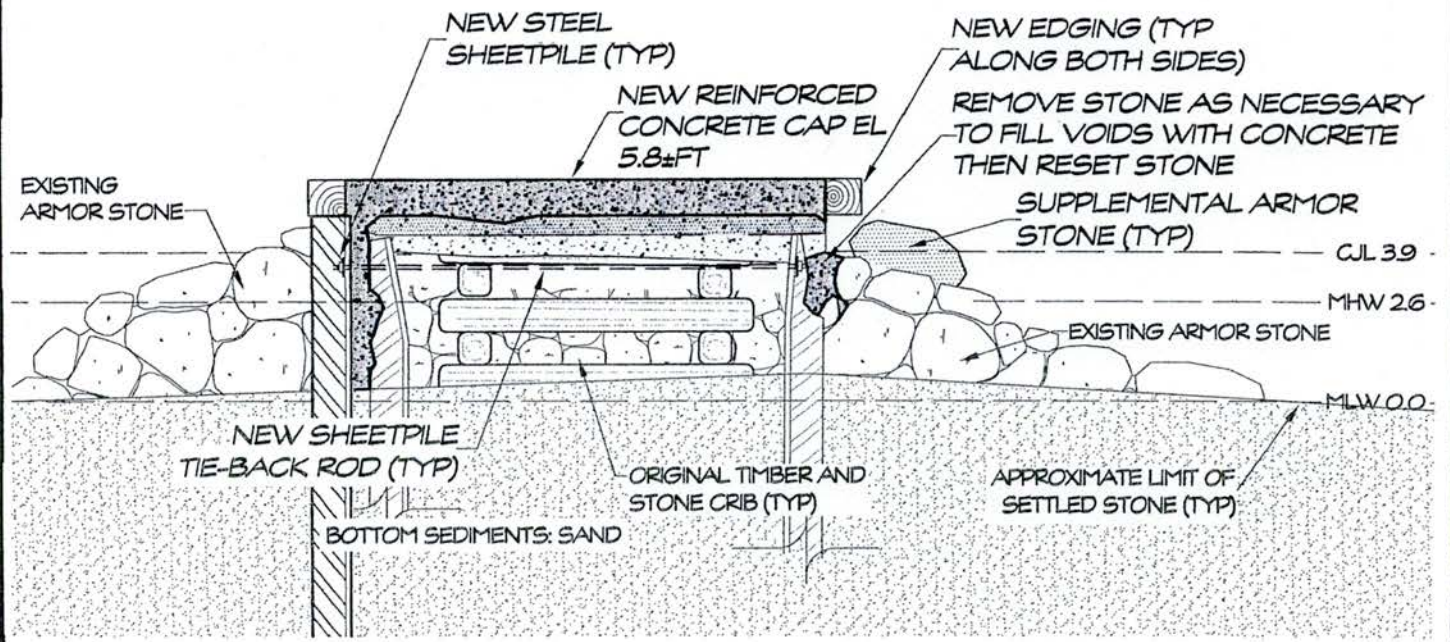
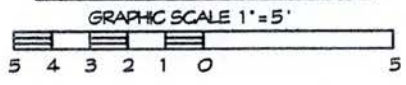
PROJECT: GROIN RESTORATION
 LOCATION: BLACK POINT - TOWN of EAST LYME
 NEW LONDON COUNTY, CONNECTICUT
 WATERWAY: NANTIC BAY
 DATE: JUNE 27, 2019
 APPLICANT: BLACK POINT BEACH CLUB
 ASSOCIATION, INC
 AGENT: SHEET 8 OF 9
DOCKO, INC.
 Keith B. Nelson, PE
 Mystic, CT 06355
 860 572 8939 FAX 860 572 7569
 EMAIL: office@docko.com



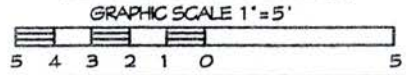
DWG 12-34-5678.??



EXISTING GROIN SECTION E-E



GROIN RESTORATION SECTION E-E



REVISED 8-21-19 DEEP
NEW SECTION

PROJECT:	GROIN RESTORATION
LOCATION:	BLACK POINT - TOWN of EAST LYME NEW LONDON COUNTY, CONNECTICUT
WATERWAY:	NIANTIC BAY
DATE:	JUNE 27, 2019
APPLICANT:	BLACK POINT BEACH CLUB ASSOCIATION, INC
AGENT:	SHEET 9 OF 9
DOCKO, INC.	
Keith B. Nelson, PE Mystic, CT 06355 860 572 8939 FAX 860 572 7569 EMAIL: office@docko.com	



DWG 19-08-3010