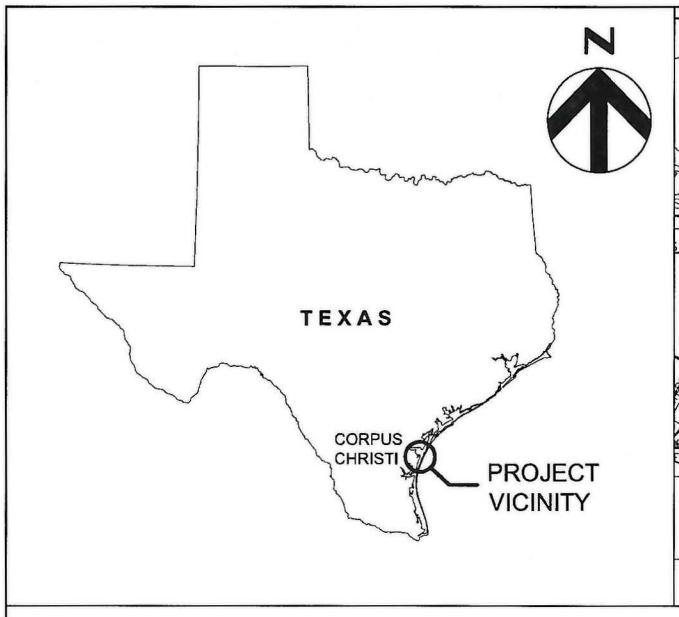
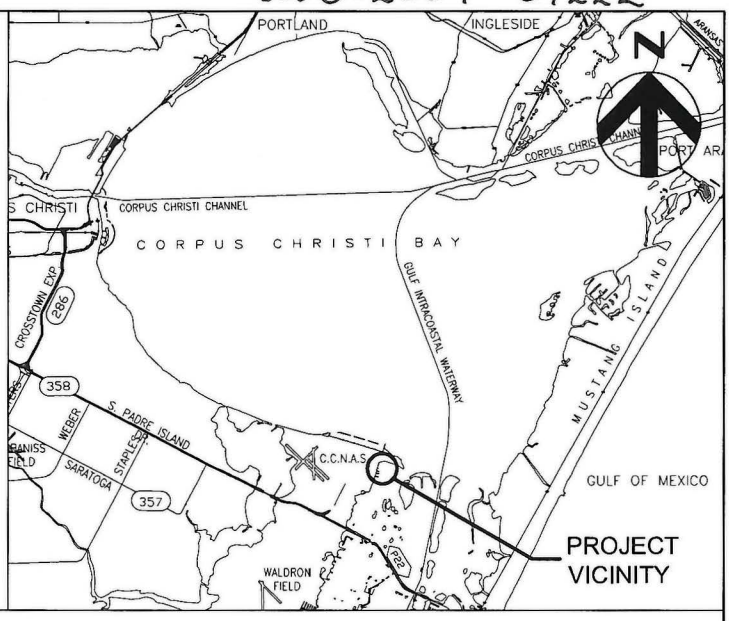
SWG-2007-01222





VICINITY MAP

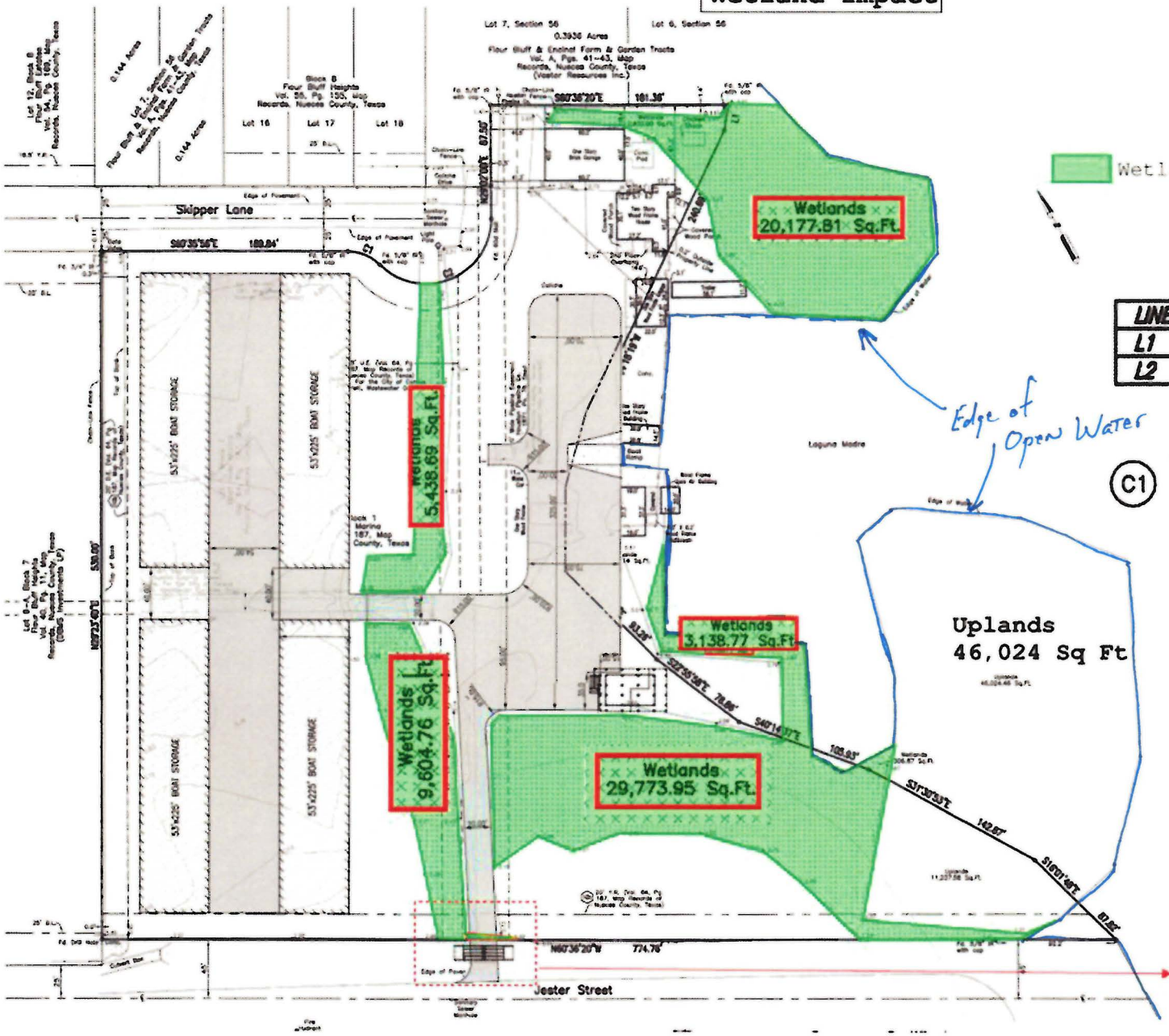
LOCATION MAP

PROJECT SITE

PROJECT TITLE S&G MARINA		PROJECT NUMBER CON0094814	REFERENCE SHEET N/A
SHEET TITLE **VICINITY MAP**		PROJECT MANAGER K. CLARK	REFERENCE DOCUMENT N/A
		DATE 06/07/16	EXHIBIT NUMBER 1

Project SWG-2007-01222
Location Map
Sheet 1 of 12

Wetland Impact

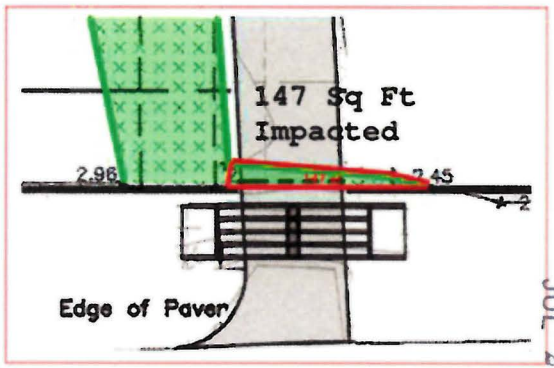


LINE	BEARING	DISTANCE
L1	S38°58'21"W	19.78'
L2	S29°23'40"W	65.21'

C1 Δ=45°14'23" R=34.50' T=14.38' L=27.24'

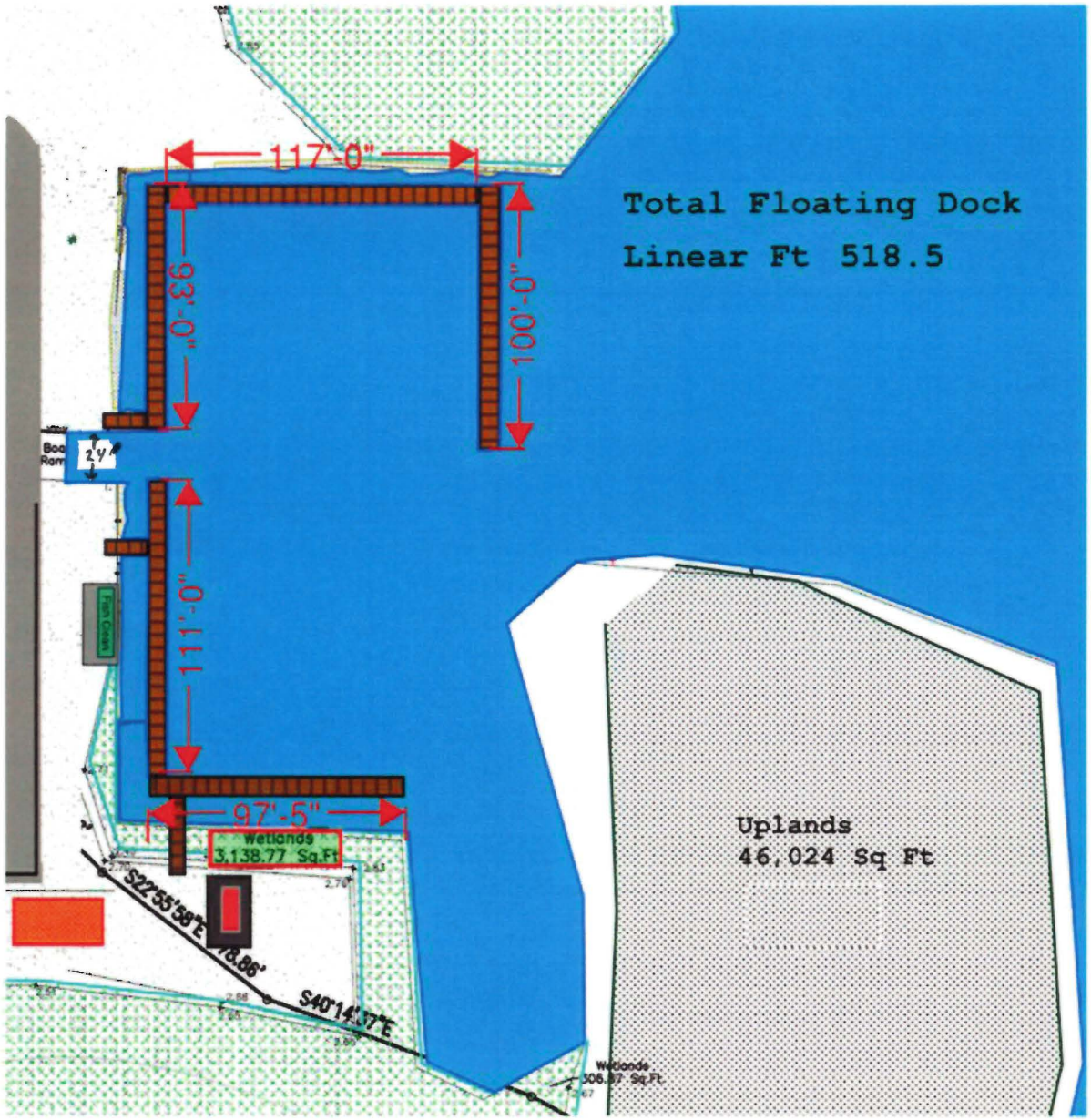
C2 Δ=135°14'48" R=50.00' T=121.45' L=118.03'

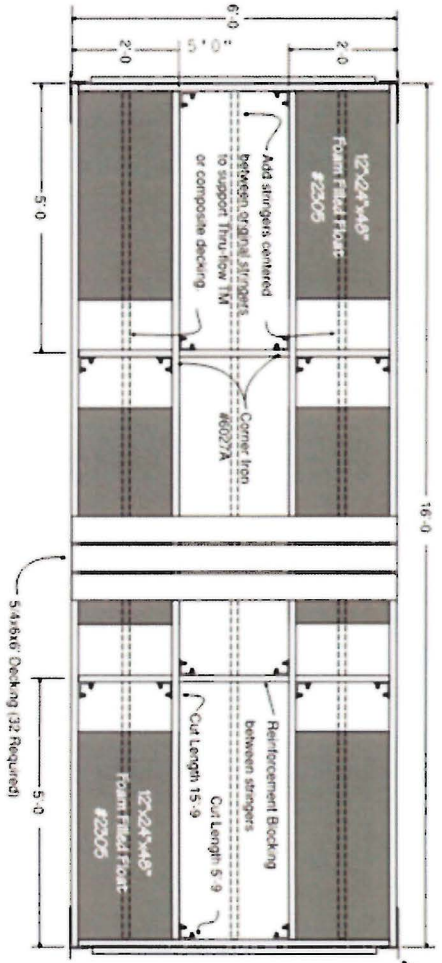
Total Wetland Area - 68,155 Sq Ft
Total Wetland Area Impacted - 147 Sq Ft
Total Acres Impacted - 0.0029



Project SWG-2007-01222
Wetlands on Property and Impacts
Sheet 2 of 12

SWG-2007-01222 JUL 26 2016

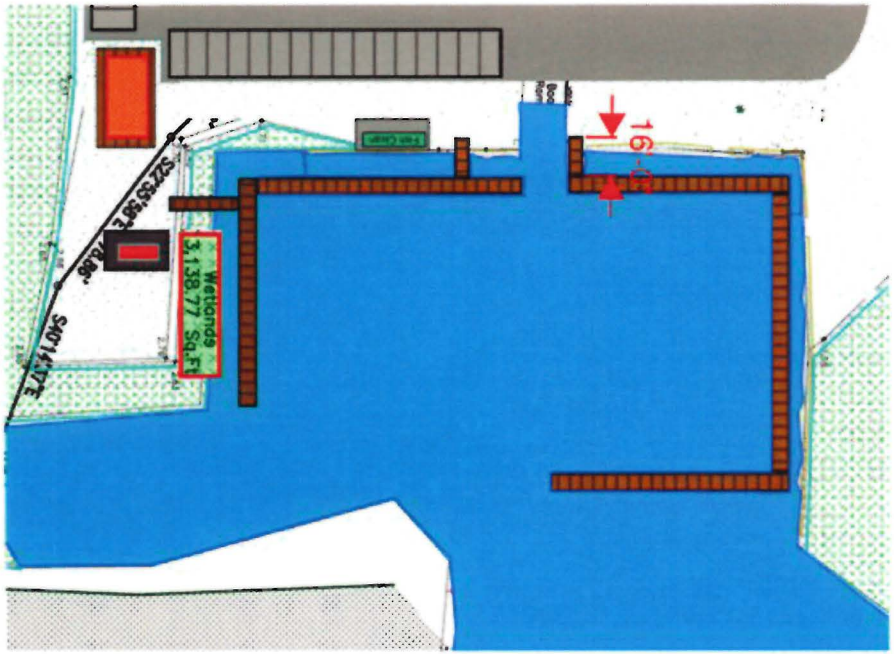




Typical framing to be of grade #1, P.T. min. with 2x6 for non-commercial, light load.
Add intermediate framing boards and or increase their size to improve load and duty capacity.
Typical decking to be 5/4x6 P.T. Or Cedar, materials that span up to 24".
Use 3" (10 penny) galvanized nails for assembly.
Decking to be cut 6' flush to frame to prevent snagging with boats and gear.
Router along the ends of the deck boards with a 3/8" radius to soften edges and reduce splinters.
Use typical 1/2" spacing between deck boards to avoid leaf and other debris trapping.
For reinforcing butt joints that could pull apart at the nails, use the Corner Iron (#6027A) with carriage bolts.

Project SWG-2007-01222
Floating Dock Plans
Sheet 3 of 12

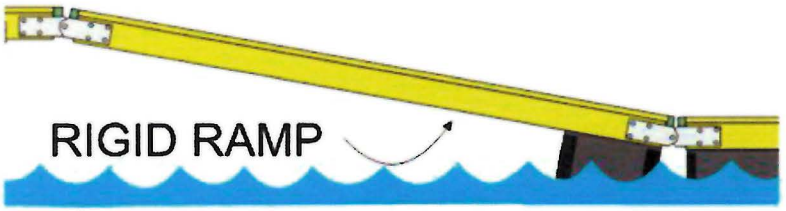
SWG-2007-01222
JUL 26 2016



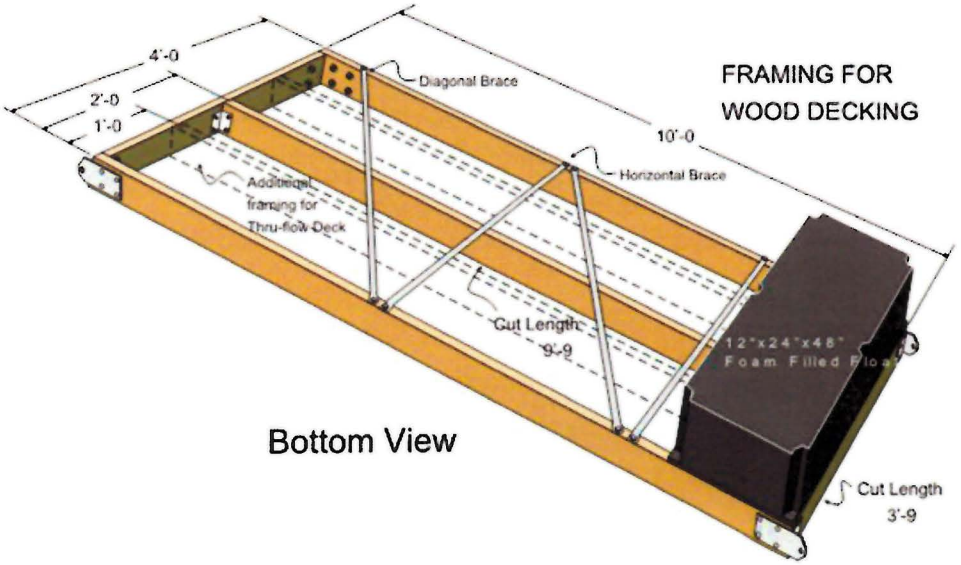
3 16ft ramps secured to land and dock suspended over water with a float at end attached to floating dock.

total of 48 Lf of ramps.

The south ramp will span over a small area of wetlands but wetlands will not be disturbed.

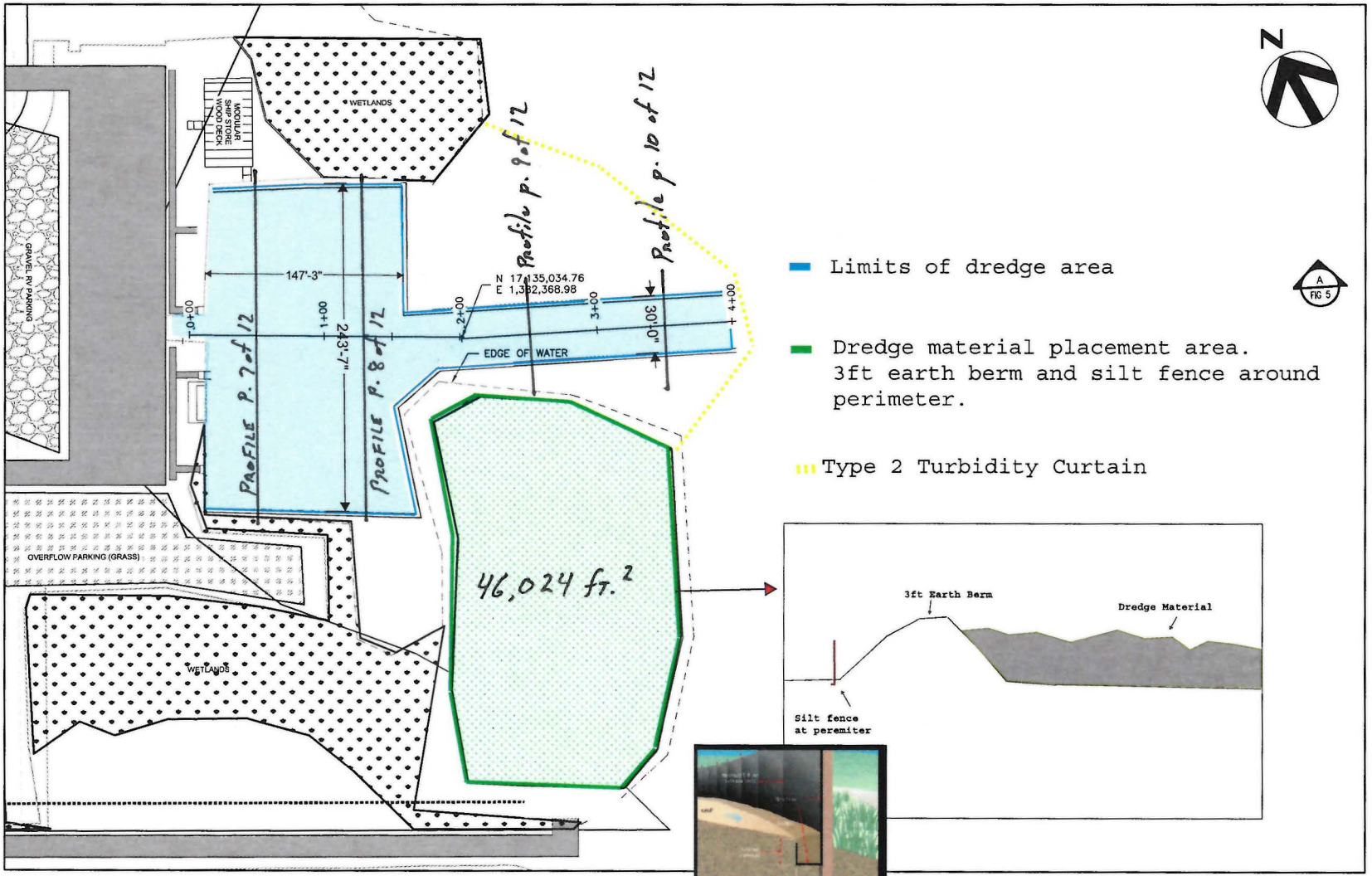


Typical framing to be of grade #1, P.T. min. with 2x6 for non-commercial, light load portable use.
Add intermediate framing boards as needed to improve load and duty capacity.
Typical decking to be 5/4x6 P.T. Or Cedar, materials that span up to 24".
Use 3" (10 penny) galvanized nails for assembly.
Decking to be cut 4' flush to frame to prevent snagging with boats and gear.
Router along the ends of the deck boards with a 3/8" radius to soften edges and reduce splinters.
Use typical 1/2" spa cing between deck boards to avoid leaf and other debris trapping.
For reinforcing butt joints that could pull apart at the nails, use the Corner Iron (#6027A) with carriage bolts.
Reinforced Hinge Plates (#6010) on each corner will secure corner butt joints.



Project SWG-2007-01222
Floating Dock Plans
Sheet 4 of 12

SWG-2007-01222
JUL 26 2016



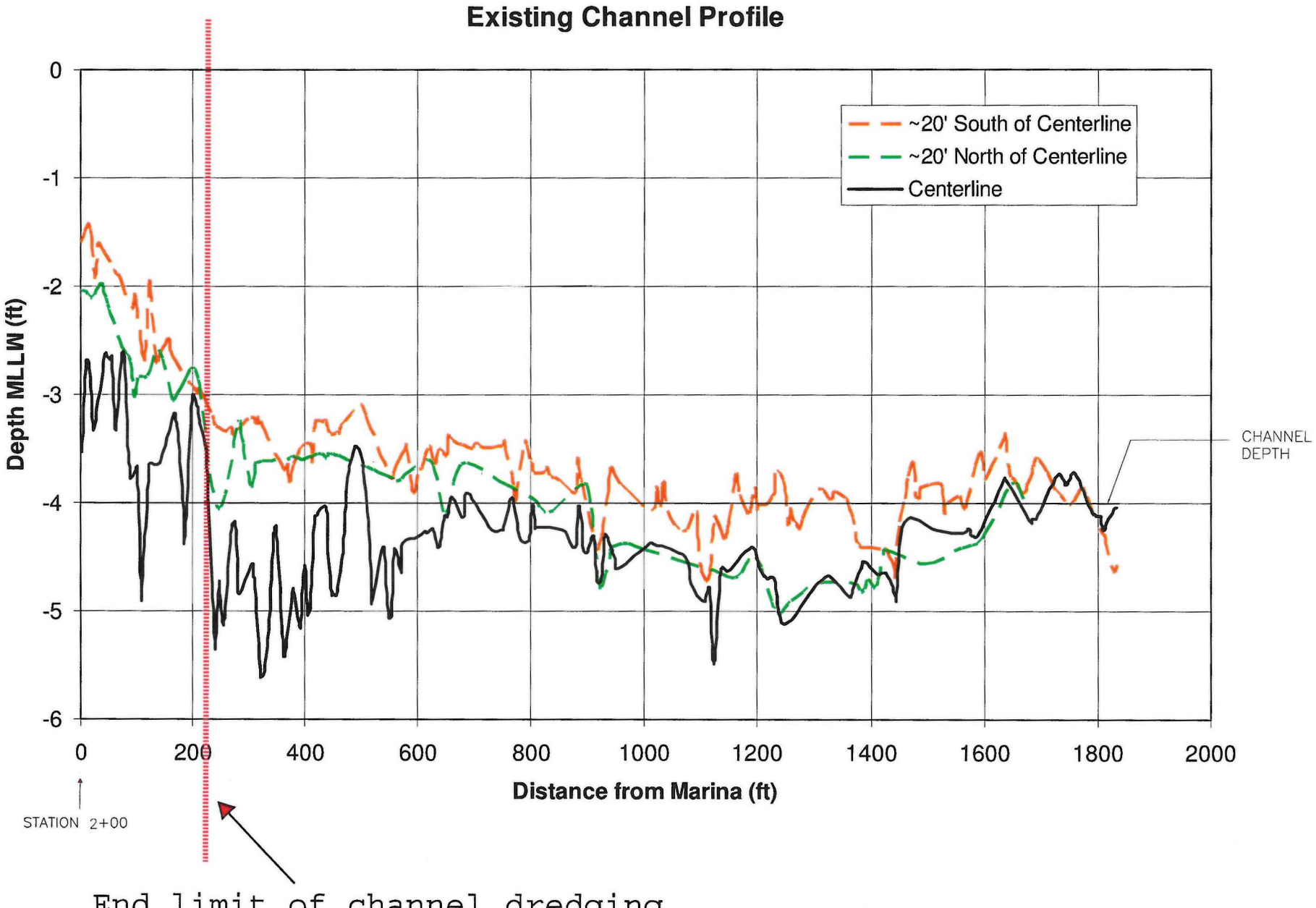
PROJECT TITLE S&G MARINA

SHEET TITLE
CHANNEL & MARINA BASIN PLAN

PROJECT NUMBER	CON0094814
PROJECT MANAGER	K. CLARK
DATE	06/07/16
REFERENCE SHEET	N/A
REFERENCE DOCUMENT	N/A
EXHIBIT NUMBER	3

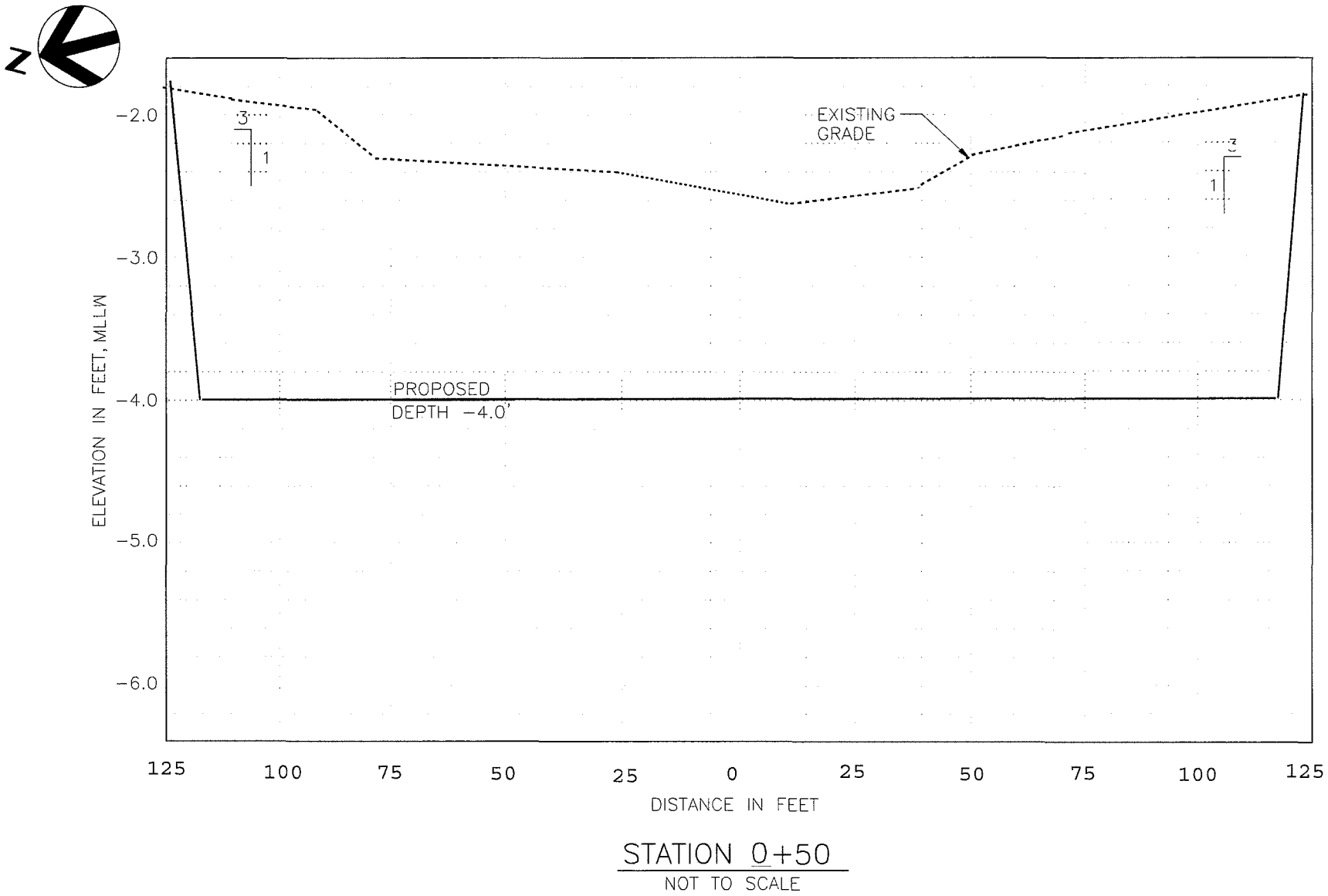
SWG-2007-01222

Project SWG-2007-01222
Dredging Plan and Placement Area
Sheet 5 of 12



SWG-2007-01222

Project SWG-2007-01222
Profile of Channel
Sheet 6 of 12

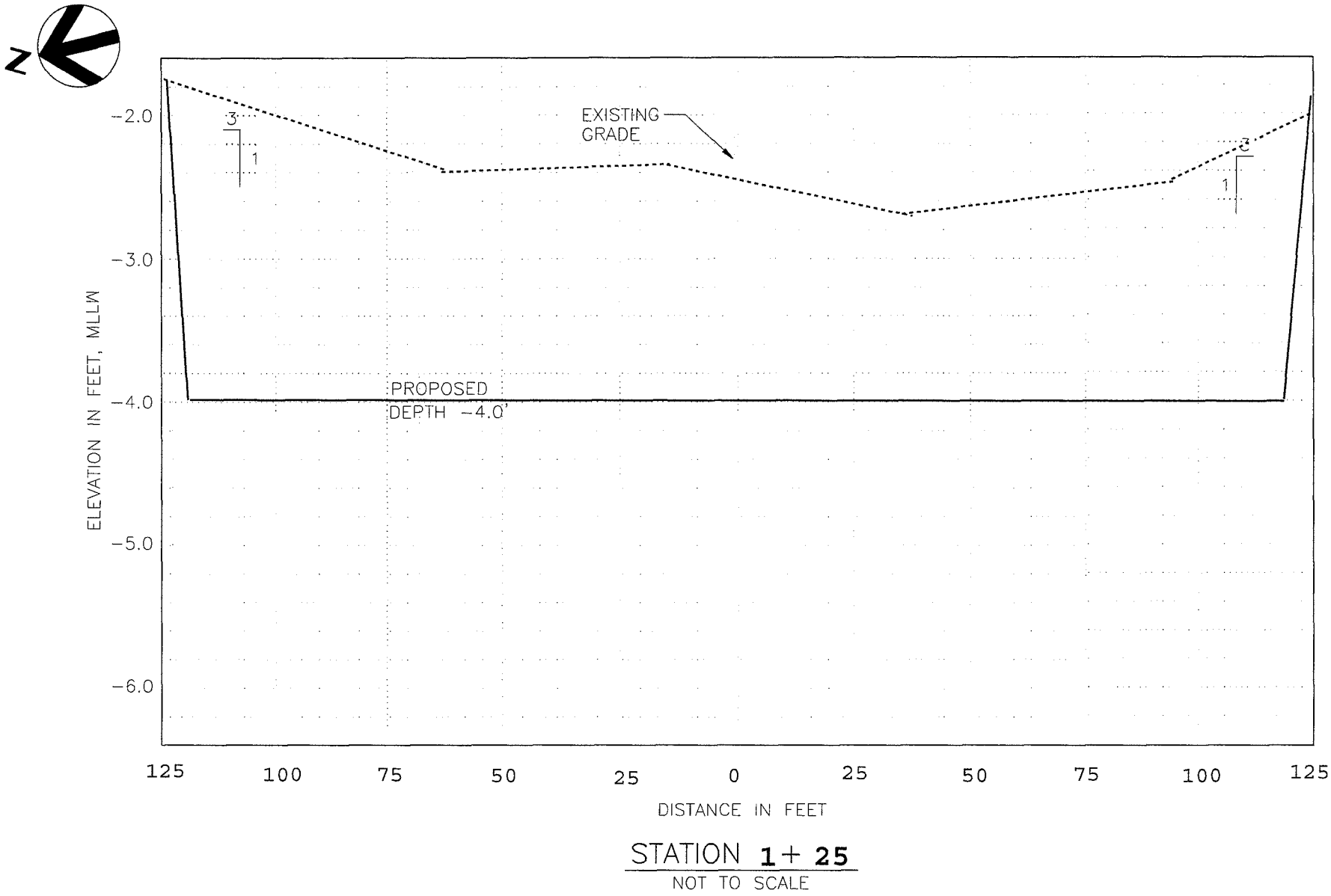


STATION 0+50

NOT TO SCALE

SWG-2007-01222

Project SWG-2007-01222
Dredge Plan Profile of Basin
Sheet 7 of 12

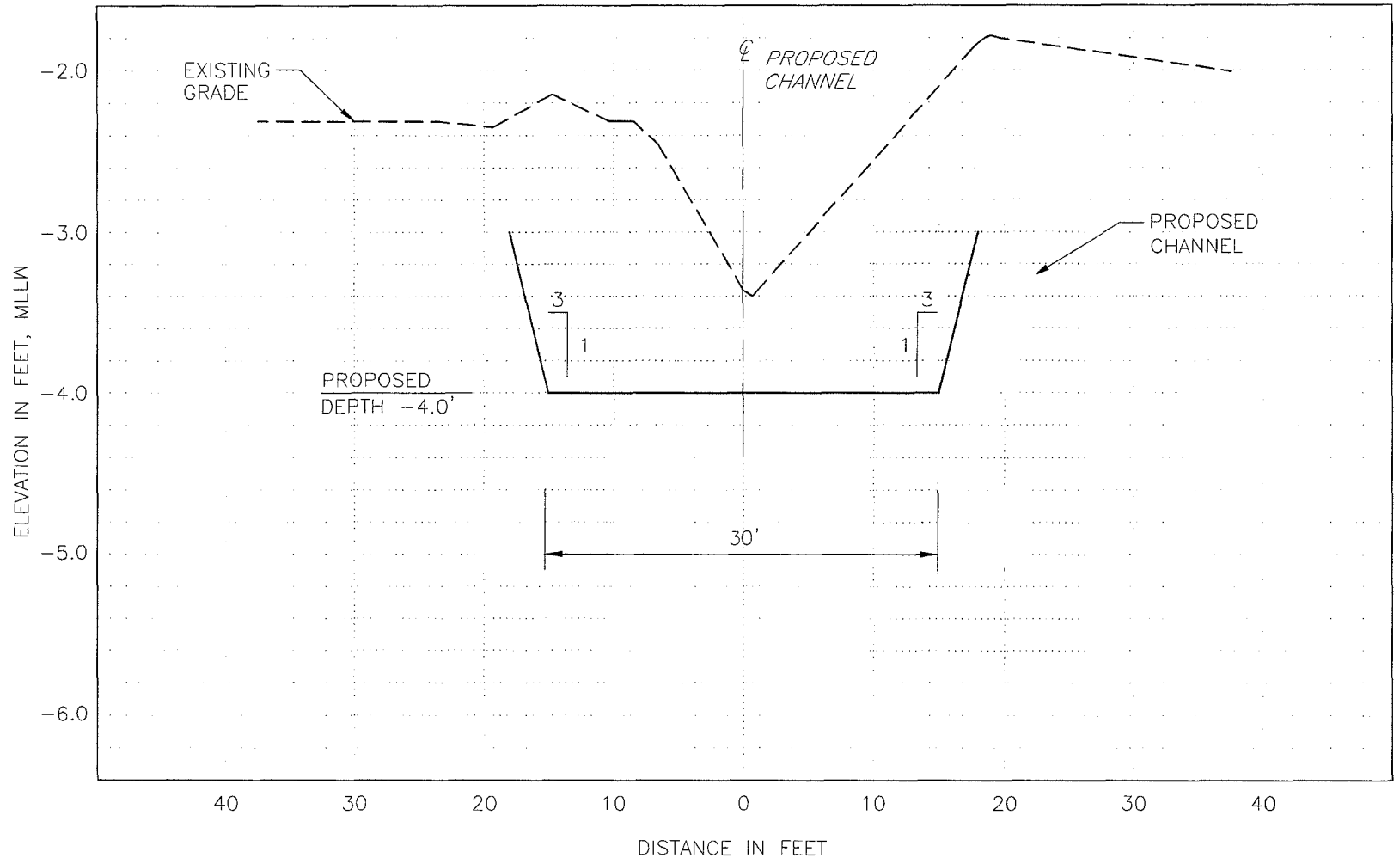


STATION **1+ 25**

NOT TO SCALE

SWG-2007-01222

Project SWG-2007-01222
Dredge Plan Profile of Basin
Sheet 8 of 12

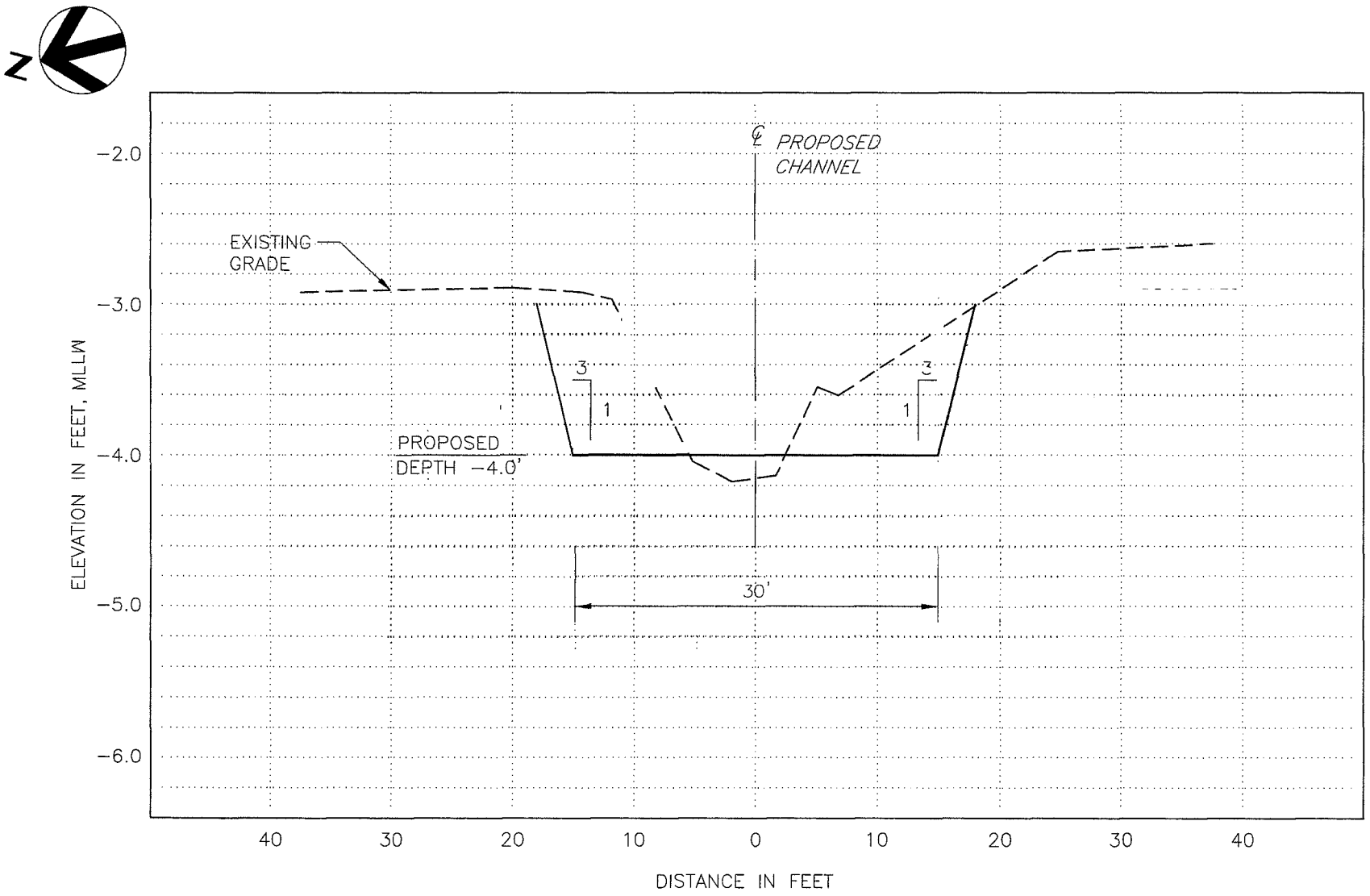


STATION 2+50

NOT TO SCALE

Project SWG-2007-01222
Dredge Plan Profile of Channel
Sheet 9 of 12

SWG-2007-01222



STATION 3+50

NOT TO SCALE

Project SWG-2007-01222
Dredge Plan Profile of Channel
Sheet 10 of 12

SWG-2007-01222

Total Cubic Yards Calculations

Dimensions of lagoon: 147ft x 244ft = 35868 Sq ft

Average depth of 2ft muck to be removed: 35868 Sq Ft x 2 = 71736 Sq Ft

Total Cubic Yards to be dredged from lagoon = 71736 Sq Ft/ 27 = **2656 Cubic Yards**

Total square ft of channel: 30ft x 242ft = 7260 Sq Ft

Average silt depth of 1ft for the length of channel from station 1+60 to Station 4+00 to be removed: 7260 Sq Ft x 1 = 7260 Sq Ft

Total Cubic Yards to be dredged from channel: 7260/ 27 = **269 Cubic yards**

total cubic yards to be dredged = 2924 cubic Yards

Method used will be mechanical dredging.

SWG-2007-01222

SWG-2007-01222

Type 2 Medium Duty Turbidity Curtain Specifications

ABASCO Type 2 Medium Duty Turbidity Curtains include heavy duty tension members at the top and bottom of the curtain and quality 18 oz. PVC laminated fabric.

Fabric	18 oz/sq yd PVC-coated polyester; optional filter fabric for skirt
Flotation	6-in to 10-in diameter (depending on skirt depth) expanded polystyrene (EPS) foam contained in individually sealed float pockets
Top tension	5/16-in galvanized steel cable (9,800 lb breaking strength) contained in a polyethylene tube
Bottom tension and ballast	5/16-in galvanized steel chain: 7,600 lb breaking strength; 0.93 lb/ft weight
End connectors	High-tensile-strength aluminum universal connector at float and top tension cable. ASTM 3/8-in stainless steel locking pins. Lacing grommets on reinforced fabric on lower skirt. Chain ends shackled section-to-section. Tool-free connections.
Section length	50 ft and 100 ft, standard
Skirt depth	To 50 f; Can be tapered to conform to bottom profile.
Furling lines	Available on request
Available accessories	Anchor systems, ropes, marker buoys, solar-powered lights, repair kits.

Type 2 Medium-Duty Turbidity Curtain with plain skirt