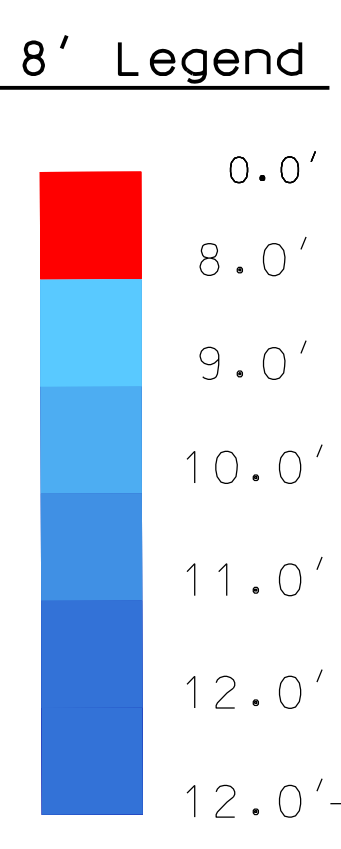
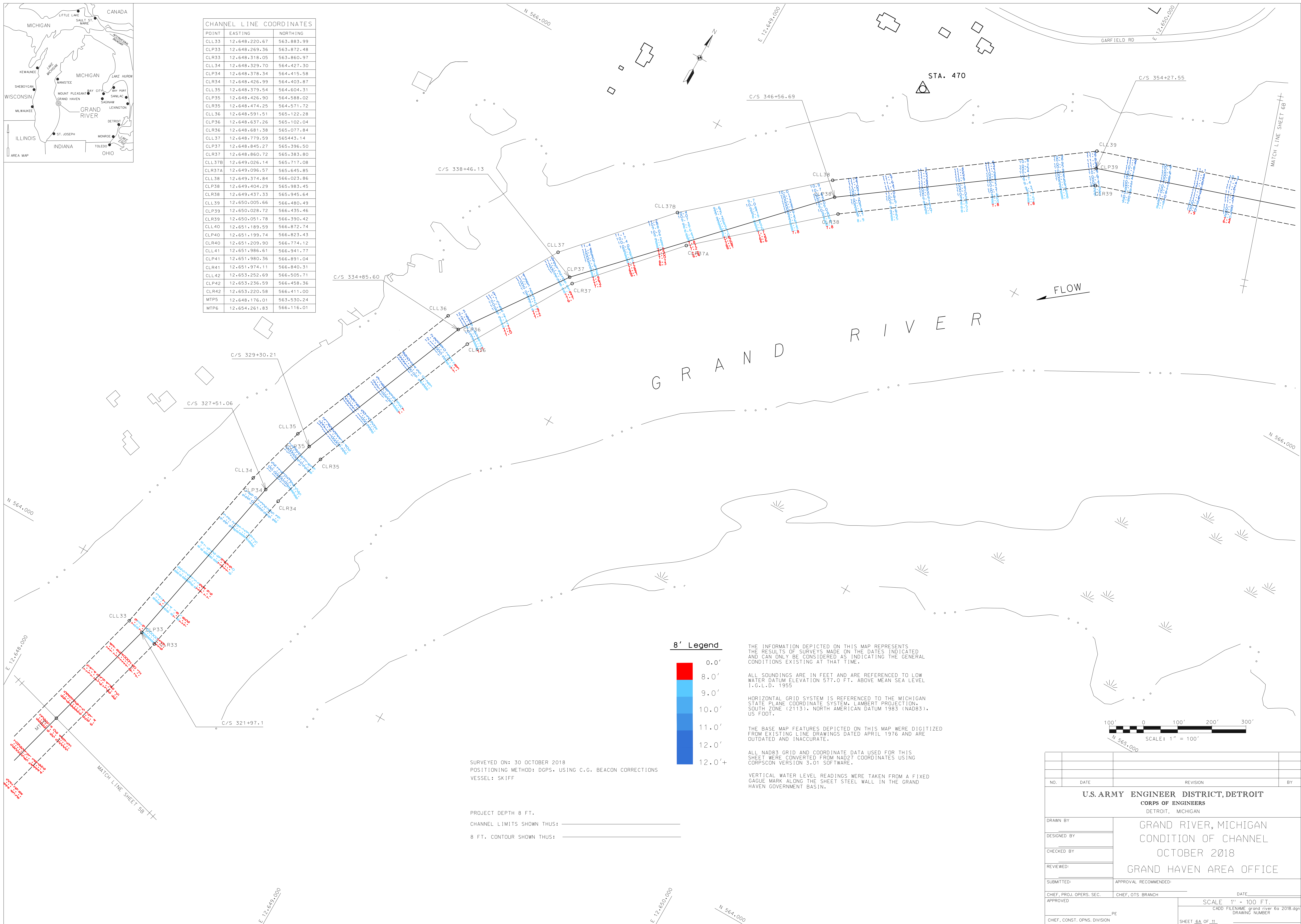




CHANNEL LINE COORDINATES		
POINT	EASTING	NORTHING
CLL33	12,648,220.67	563,883.99
CLP33	12,648,269.36	563,872.48
CLR33	12,648,318.05	563,860.97
CLL34	12,648,329.70	564,427.30
CLP34	12,648,378.34	564,415.58
CLR34	12,648,426.99	564,403.87
CLL35	12,648,379.54	564,604.31
CLP35	12,648,426.90	564,588.02
CLR35	12,648,474.25	564,571.72
CLL36	12,648,591.51	565,122.28
CLP36	12,648,637.26	565,102.04
CLR36	12,648,681.38	565,077.84
CLL37	12,648,779.59	565,443.14
CLP37	12,648,845.27	565,396.50
CLR37	12,648,860.72	565,383.80
CLL37B	12,649,026.14	565,717.08
CLP37A	12,649,096.57	565,645.85
CLR37A	12,649,096.57	565,645.85
CLL38	12,649,374.84	566,023.86
CLP38	12,649,404.29	565,983.45
CLR38	12,649,437.33	565,945.64
CLL39	12,650,005.66	566,480.49
CLP39	12,650,028.72	566,435.46
CLR39	12,650,051.78	566,390.42
CLL40	12,651,189.59	566,872.74
CLP40	12,651,199.74	566,823.43
CLR40	12,651,209.90	566,774.12
CLL41	12,651,986.61	566,941.77
CLP41	12,651,980.36	566,891.04
CLR41	12,651,974.11	566,840.31
CLL42	12,653,252.69	566,505.71
CLP42	12,653,236.59	566,458.36
CLR42	12,653,220.58	566,411.00
MTP5	12,648,176.01	563,530.24
MTP6	12,654,261.83	566,116.01



THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

ALL SOUNDINGS ARE IN FEET AND ARE REFERENCED TO LOW WATER DATUM ELEVATION 577.0 FT. ABOVE MEAN SEA LEVEL I.G.L.D. 1955

HORIZONTAL GRID SYSTEM IS REFERENCED TO THE MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, SOUTH ZONE (2113), NORTH AMERICAN DATUM 1983 (NAD83), US FOOT.

THE BASE MAP FEATURES DEPICTED ON THIS MAP WERE DIGITIZED FROM EXISTING LINE DRAWINGS DATED APRIL 1976 AND ARE OUTDATED AND INACCURATE.

ALL NAD83 GRID AND COORDINATE DATA USED FOR THIS SHEET WERE CONVERTED FROM NAD27 COORDINATES USING CORPSCON VERSION 3.01 SOFTWARE.

VERTICAL WATER LEVEL READINGS WERE TAKEN FROM A FIXED GAUGE MARK ALONG THE SHEET STEEL WALL IN THE GRAND HAVEN GOVERNMENT BASIN.

SURVEYED ON: 30 OCTOBER 2018  
 POSITIONING METHOD: DGPS, USING C.G. BEACON CORRECTIONS  
 VESSEL: SKIFF

PROJECT DEPTH 8 FT.  
 CHANNEL LIMITS SHOWN THUS: \_\_\_\_\_  
 8 FT. CONTOUR SHOWN THUS: \_\_\_\_\_

<b>U.S. ARMY ENGINEER DISTRICT, DETROIT</b> CORPS OF ENGINEERS DETROIT, MICHIGAN			
NO.	DATE	REVISION	BY
GRAND RIVER, MICHIGAN CONDITION OF CHANNEL OCTOBER 2018 GRAND HAVEN AREA OFFICE			
DRAWN BY			
DESIGNED BY			
CHECKED BY			
REVIEWED:			
SUBMITTED:	APPROVAL RECOMMENDED:		
CHEF, PROJ. OPERS. SEC.	CHEF, OTS BRANCH	DATE	
APPROVED	SCALE 1" = 100 FT.		
PE	CADD FILENAME: grand_river_6a_2018.dgn		
CHEF, CONST. OPNS. DIVISION	DRAWING NUMBER		
			SHEET 6A OF 11