

Application for Permit to Develop in a Floodplain Area



The undersigned hereby makes application for a permit to develop in a designated floodplain area. The work to be performed is described below and in attachments hereto. The undersigned agrees that all such work shall be done in accordance with the requirements of the City of Saginaw Floodplain Ordinance and with all other applicable local, State and Federal regulations. This application does not create liability on the part of the City of Saginaw or any officer or employees thereof for any flood damage that results from the reliance on this application or any administrative decision made lawfully thereunder.

Owner: RACER Trust c/o Dave Favero Consultant: Conestoga-Rovers and Associates, Inc. c/o John-eric Pardys
Address: 500 Woodward, Suite 1510, Detroit, MI 48226 Address: 651 Colby Drive, Waterloo, Ontario, CA
Telephone: 734-879-9525 Telephone: 519-884-0510
email: dfavero@racertrust.org Email : jpardys@craworld.com
Location: 2350 Veterans Memorial Parkway,
Saginaw, MI

A. Description of Work (Complete for All Work): See Attachment 1 - cover impacted sediment and grade ditch to drain to new catchbasin

1. Proposed Development Description:

New Building

Improvement to Existing Building

Manufactured Home

Filling

Other _____

2. Size and location of proposed development (attach site plan):

Fill and regrade approximate 60,000 square foot area. See attached site vicinity plan, plan/profile, and cross-sections

See Attachment 2 for site vicinity plan, plan/profile, and cross-sections

3. Is the proposed development in a Special Flood Hazard Area (Zones A, AE, A1-A3, AH or AO)?

Yes

No

4. Per the floodplain map, what is the zone and panel number of the area of the proposed development?

Zone

AE

Panel Number

Panel 85 of 360 (26145C0085D - See Attachment 3)

5. Are other Federal, State or local permits obtained?

Yes

X

Type:

Joint Permit (MDEQ is currently reviewing), County of Saginaw SESC (to be obtained)

No

Reason:

Work is in a 100-year floodplain and disturbed area is greater than 1 acre

6. Is the proposed development in an identified floodway?

Yes

No

7. If yes to #6, is a "No Rise Certification" with supporting data attached?

Yes

No

B. Complete for New Structures and Building Sites: NA

1. Base Flood Elevation at the site: _____ feet NGVD
2. Required lowest floor elevation(including basement): _____ feet NGVD
3. Elevation to which all attendant utilities, including all heating and electrical equipment will be protected from flood damage: _____ feet NGVD

C. Complete for Alterations, Additions, or Improvements to Existing Structures:

1. What is the estimate market value of the existing structure? \$ _____
2. What is the cost of the proposed construction? \$ _____
3. If the cost of the proposed construction equals or exceeds 50 percent of the market value of the structure, then the substantial improvement provisions shall apply.

D. Complete for Non-residential Flood proofed Construction: NA

1. Type of flood proofing method: _____
2. The required flood proofing elevation is: _____ feet NGDV
3. Flood proofing certification by a registered engineer is attached: Yes No

E. Complete for Subdivisions and Planned Unit Developments: NA

1. Will the subdivision or other development contain 50 lots or 5 acres? Yes No
2. If yes, does the plat or proposal clearly identify base flood elevations? Yes No
3. Are the 100 Year Floodplain and Floodway delineated on the site plan? Yes No

ADMINISTRATIVE

1. Permit approved _____ Permit denied _____
2. Elevation Certification attached: Yes No
3. As-Built lowest floor elevation _____ feet NGVD

Applicant's Signature: David Favew Date May 4, 2015

Approved City Engineer: _____ Date: _____

Approved Chief Inspector: _____ Date: _____

Attachment

Scope of Work

ATTACHMENT 1

SCOPE OF WORK

CITY OF SAGINAW - APPLICATION FOR PERMIT TO DEVELOP IN A FLOODPLAIN AREA
RACER NODULAR INDUSTRIAL LAND
SAGINAW, MI

Scope of Work

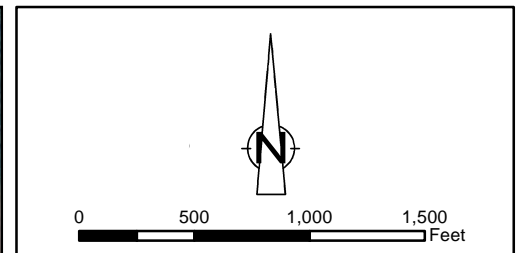
The proposed scope of work is to be completed on a portion of RACER's Saginaw Nodular Industrial Land (Site) referred to as the North Ditch (see Drawing 1 in Attachment 2). The proposed scope of work associated with this permit request involves the stabilization of minor sediment impacts in the North Ditch, as well as, improvements to the stormwater drainage for the area. The proposed work was approved by U.S. EPA on May 7, 2014 and permits with the MDEQ (Floodplain) and County of Saginaw (Soil Erosion and Sedimentation Control) are in the process of being obtained.

The minor sediment impacts will be stabilized by installing a geotextile fabric over the sediment, slinging pea gravel over the textile, and lastly backfilling with clean backfill. Improvements to the stormwater drainage in the area will involve installing a catchbasin within the North Ditch at a lower elevation than the current outlet and grading the entire ditch to drain to the new catchbasin.

The construction sequence for the proposed stabilization and drainage improvement activities will include: clearing and grubbing vegetation surrounding the North Ditch; removing water from the ditch; installing geotextile fabric over sediment; installing a catchbasin within ditch approximately 80 feet from existing catchbasins; slinging pea gravel over the geotextile; then filling ditch with clean backfill; grading backfill to direct water along the former ditch to the catchbasin; and seeding the disturbed area.

Attachment 2

Maps and Drawings



- LEGEND**
- APPROXIMATE LIMITS OF RACER PROPERTY
 - ▨ PROPOSED SITE WORK (NORTH DITCH)

Coordinate System
MICHIGAN STATE PLANE SOUTH, NAD 83 USING INTERNATIONAL FEET, NAVD 88

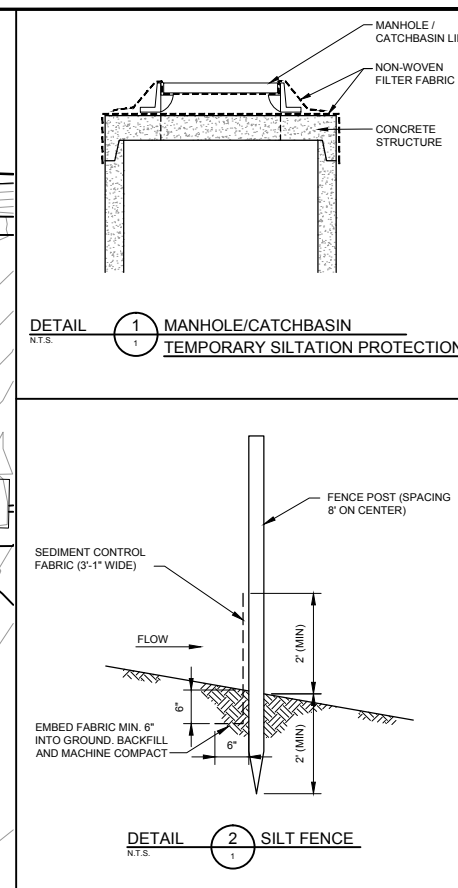
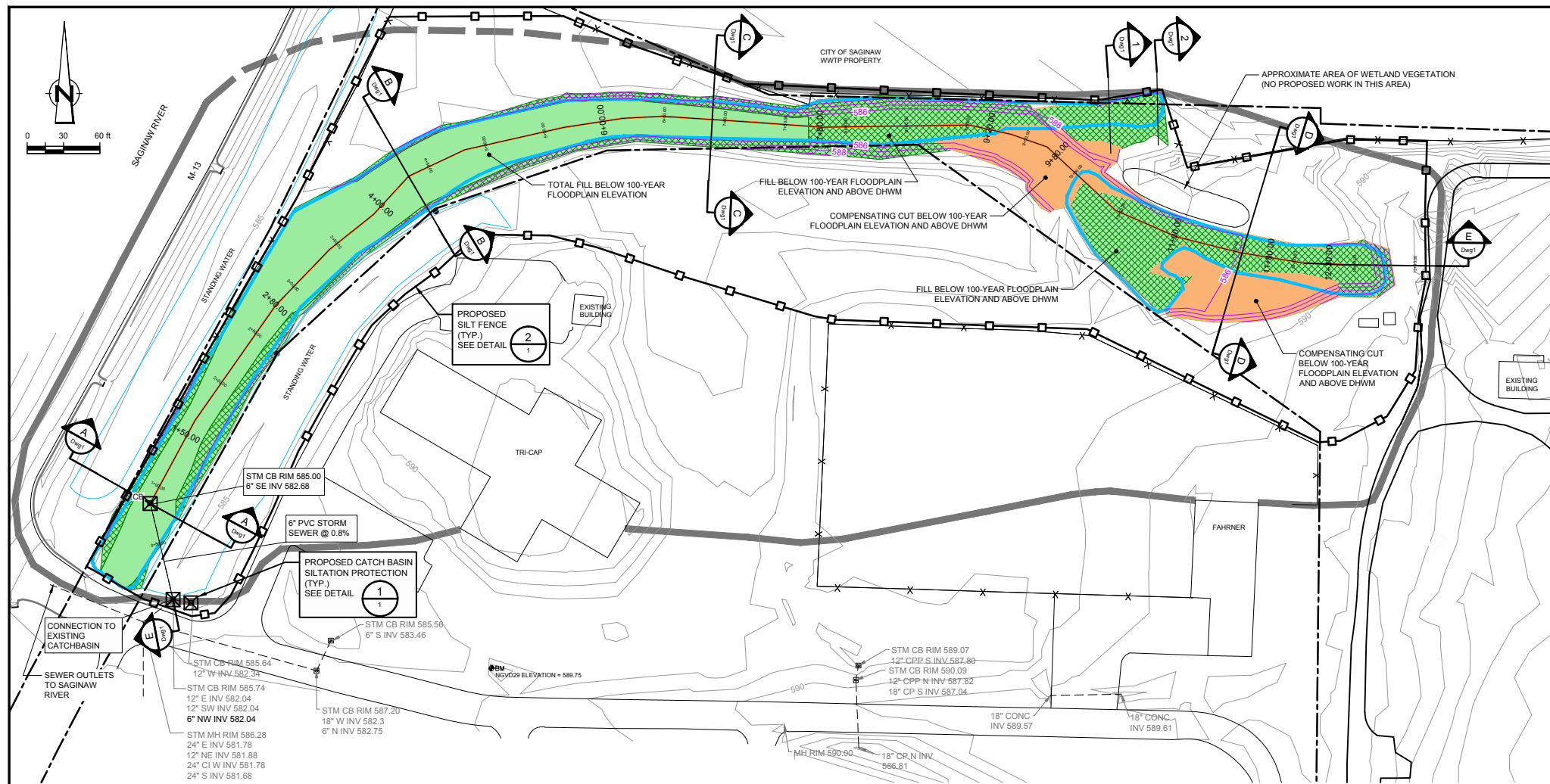
REVITALIZING AUTO COMMUNITIES
ENVIRONMENTAL RESPONSE (RACER)
SAGINAW NODULAR INDUSTRIAL LAND
SAGINAW, MICHIGAN

SITE VICINITY MAP

CONESTOGA-ROVERS & ASSOCIATES

Source Reference
MAGERY - 2014 SAGINAW COUNTY NAIP PROVIDED BY USDA
STREETS - PROCESSED TIGER 2010 STREETS, U.S. CENSUS BUREAU

Project Manager M.T.	Reviewed By J.E.P.	Date FEBRUARY 2015
Scale 1:10,000	Project No. 58502-T02	Memo No. 012
		Drawing No. 1



NO	Revision	Date	Initial

LEGEND

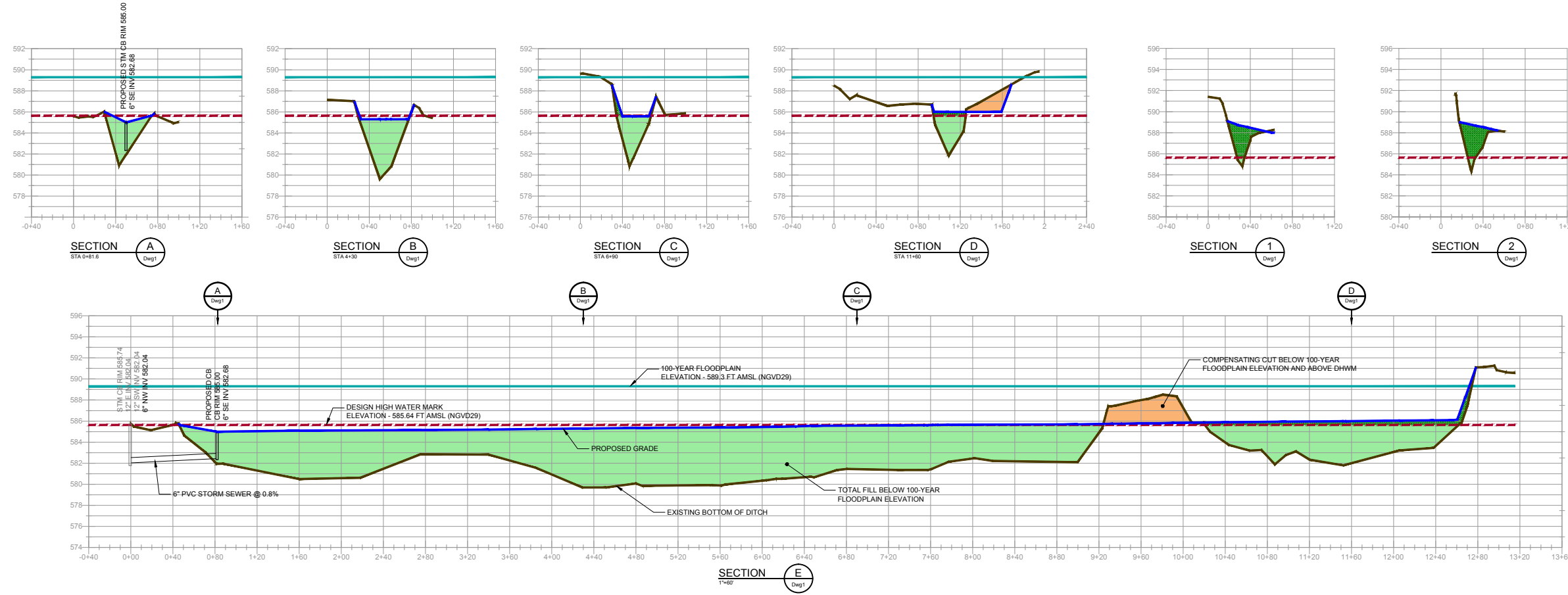
- EXISTING GROUND CONTOUR
- EXISTING DITCH
- RACER PROPERTY BOUNDARY
- FENCE
- APPROXIMATE CATCHMENT BOUNDARY
- EXISTING STORM SEWER
- CENTER LINE OF PROPOSED SWALE
- PROPOSED SWALE CONTOUR
- PROPOSED CATCHBASIN
- EXISTING CATCHBASIN
- 100-YEAR FLOODPLAIN
- ELEVATION - 589.3 FT AMSL (NGVD29)
- DESIGN HIGH WATER MARK (DHW)
- ELEVATION - 585.64 FT AMSL
- TOTAL FILL BELOW 100-YEAR FLOODPLAIN ELEVATION
- FILL BELOW 100-YEAR FLOODPLAIN ELEVATION AND ABOVE DHWM
- COMPENSATING CUT BELOW 100-YEAR FLOODPLAIN ELEVATION AND ABOVE DHWM
- CATCHBASIN/MANHOLE SILTATION PROTECTION
- PROPOSED SILT FENCE

SEDIMENT AND EROSION CONTROL NOTES:

- THE SELECTED CONTRACTOR WILL OBTAIN A SOIL EROSION AND SEDIMENTATION CONTROL (SESC) PERMIT THROUGH THE COUNTY OF SAGINAW AND COMPLETE THE WORK IN ACCORDANCE WITH THE SESC PERMIT. THE SESC MEASURES INCLUDED ON THIS DRAWING ARE EXPECTED TO MEET THE REQUIREMENTS OF THE COUNTY OF SAGINAW, HOWEVER, THE SPECIFIC DETAILS WILL BE INCLUDED IN THE PERMIT.
- SESC MEASURES WILL BE INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- SESC MEASURES WILL BE INSPECTED AND MAINTAINED THROUGHOUT THE DURATION OF THE CONSTRUCTION ACTIVITIES AND UNTIL THE SITE IS FULLY STABILIZED.
- DISCHARGE OF WATER FROM THE NORTH DITCH WILL BE CONDUCTED IN ACCORDANCE WITH THE NPDES PERMIT (M0059042) FOR THE SITE.
- A FLOATING PUMP INTAKE, FILTER SAC, OR AN APPROVED EQUIVALENT WILL BE USED TO LIMIT THE AMOUNT OF SEDIMENT IN DISCHARGES FROM THE NORTH DITCH.

NOTE: BENCHMARK (BM): ARROW ON HYDRANT SOUTH OF TRI-CAP BUILDING ALONG ASPHALT DRIVE NGVD29 ELEVATION = 589.75.

PARAMETER	UNIT	QUANTITY
LENGTH OF EXISTING DITCH	FEET	1315
MAXIMUM WIDTH OF EXISTING DITCH	FEET	62
TOTAL VOLUME OF FILL TO BE PLACED	CUBIC YARDS	3826
TOTAL VOLUME OF FILL ABOVE DHWM	CUBIC YARDS	473
COMPENSATING CUT VOLUME	CUBIC YARDS	574
NET RESULT (CUT ABOVE DHWM)	CUBIC YARDS	101



SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE (RACER)

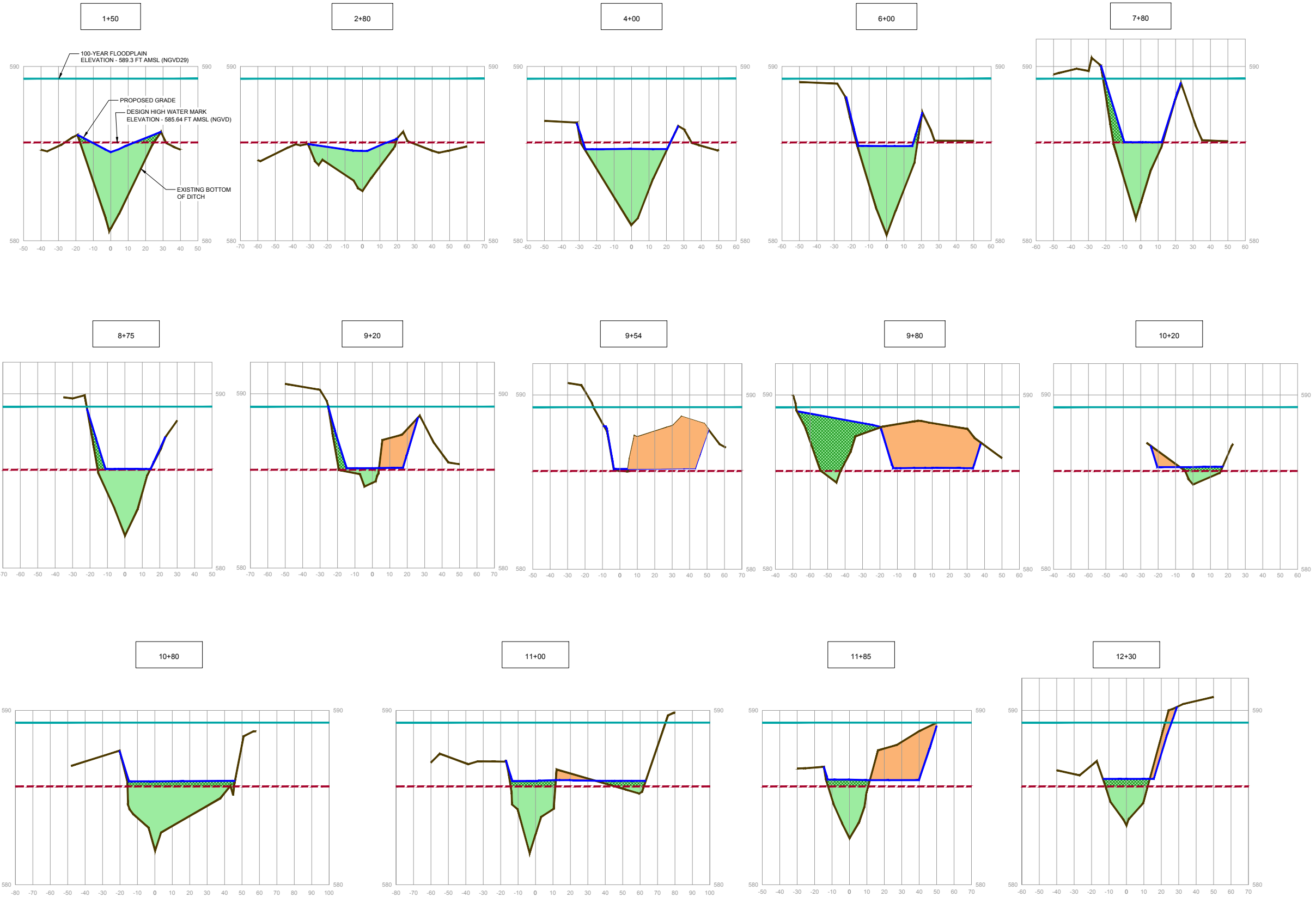
SAGINAW, MICHIGAN

NORTH DITCH PLAN AND PROFILE

CRA CONESTOGA-ROVERS & ASSOCIATES

Source Reference: 58502-00(C3D-MEMO005)GN-WA003

Project Manager: M. TOMKA	Reviewed By: J. PARDYS	Date: FEBRUARY 2015
Scale: HORZ 1"=60' VERT 1"=6' (10X VERT EX)	Project N#: 58502-T02	Report N#: MEMO012 Drawing N#: Dwg1



NO	Revision	Date	Initial

- LEGEND**
- 100-YEAR FLOODPLAIN ELEVATION - 589.3 FT AMSL (NGVD29)
 - - - DESIGN HIGH WATER MARK (DHW) ELEVATION - 585.64 FT AMSL (NGVD)
 - PROPOSED GRADE
 - EXISTING BOTTOM OF DITCH
 - TOTAL FILL BELOW 100-YEAR FLOODPLAIN ELEVATION
 - FILL BELOW 100-YEAR FLOODPLAIN ELEVATION AND ABOVE DHWM
 - COMPENSATING CUT BELOW 100-YEAR FLOODPLAIN ELEVATION AND ABOVE DHWM

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Approved

DRAWING STATUS

Status	Date	Initial

REVITALIZING AUTO COMMUNITIES ENVIRONMENTAL RESPONSE (RACER)
 SAGINAW, MICHIGAN
 NORTH DITCH SECTIONS

CRA CONESTOGA-ROVERS & ASSOCIATES

Source Reference: 58502-00(C3D-MEMO005)GN-WA003

Project Manager: M.TOMKA	Reviewed By: J.PARDYS	Date: DECEMBER 2014
Scale: HORZ 1"=30' VERT 1"=3' (10X VERT EX)	Project N°: 58502-T02	Report N°: MEMO012 Drawing N°: Dwg2

Attachment 3

Floodplain Map

LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDED BY 100-YEAR FLOOD

- ZONE A: No base flood elevations determined.
- ZONE AE: Base flood elevations determined.
- ZONE AH: Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE AO: Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE A99: To be protected from 100-year flood by Federal flood protection system, under construction; no base flood elevations determined.
- ZONE V: Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE: Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

- ZONE X: Areas of 500-year flood, areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile, and areas protected by levees from 100-year flood.

OTHER AREAS

- ZONE X: Areas determined to be outside 500-year floodplain.
- ZONE D: Areas in which flood hazards are undetermined.

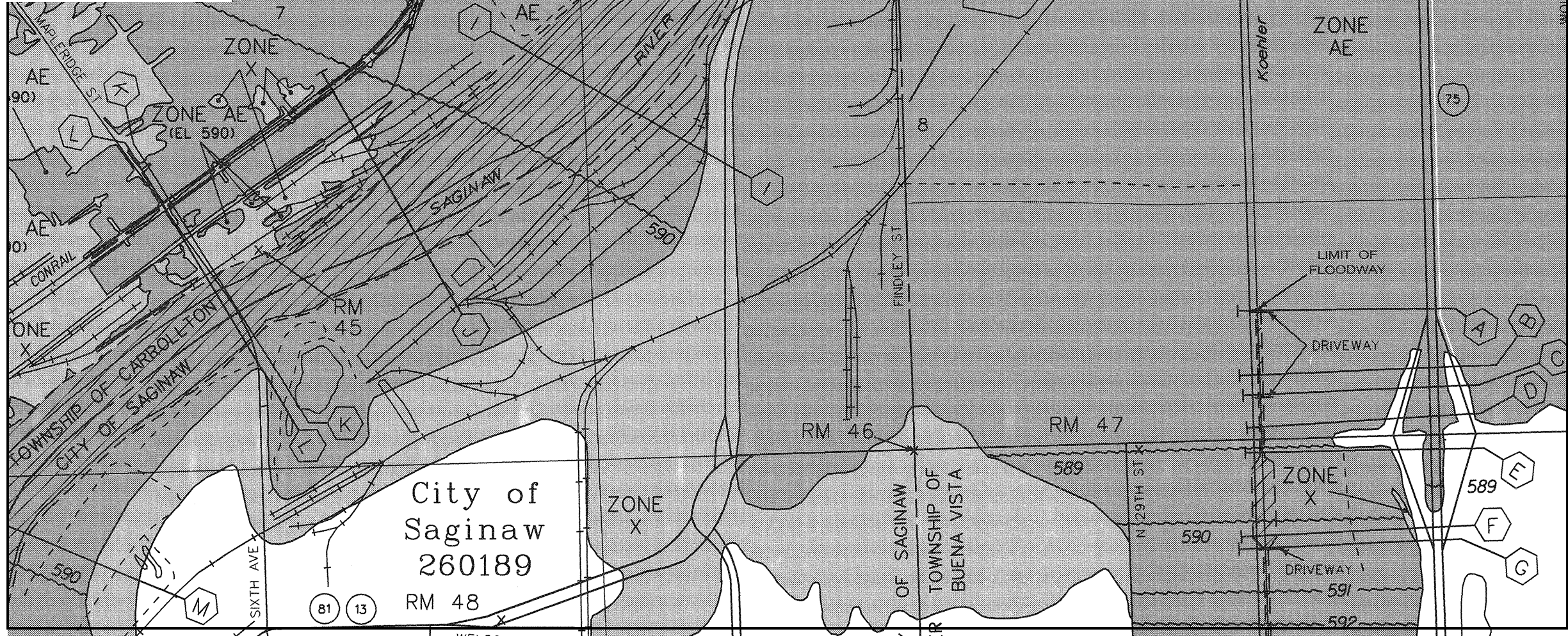
UNDEVELOPED COASTAL BARRIERS*

- Identified 1993
- Identified 1990
- Other Protected Areas

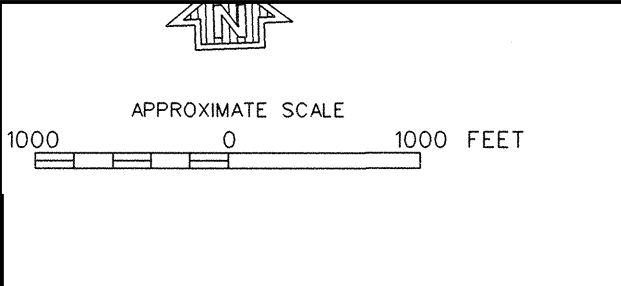
*Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain Boundary
Floodway Boundary
Zone D Boundary
Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.
Base Flood Elevation Line; Elevation in Feet**
Cross Section Line
Base Flood Elevation in Feet Where Uniform Within Zone**
RM7_x
Elevation Reference Mark
River Mile

**Referenced to the National Geodetic Vertical Datum of 1929



Approximate location where fill will be placed



NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

SAGINAW COUNTY, MICHIGAN
(ALL JURISDICTIONS)

PANEL 85 OF 360
(SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
BUENA VISTA, CHARTER TOWNSHIP OF	260499	0085	D
CARROLLTON, TOWNSHIP OF	260187	0085	D
KOCHVILLE, TOWNSHIP OF	260501	0085	D
SAGINAW, CITY OF	260189	0085	D
ZILWALKEE, CITY OF	260285	0085	D
ZILWALKEE, TOWNSHIP OF	260286	0085	D

Notice to User: The MAP NUMBER shown below should be used when placing map orders; the COMMUNITY NUMBER shown above should be used on insurance applications for the subject community.

MAP NUMBER
26145C0085 D

EFFECTIVE DATE:
OCTOBER 16, 1997

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov