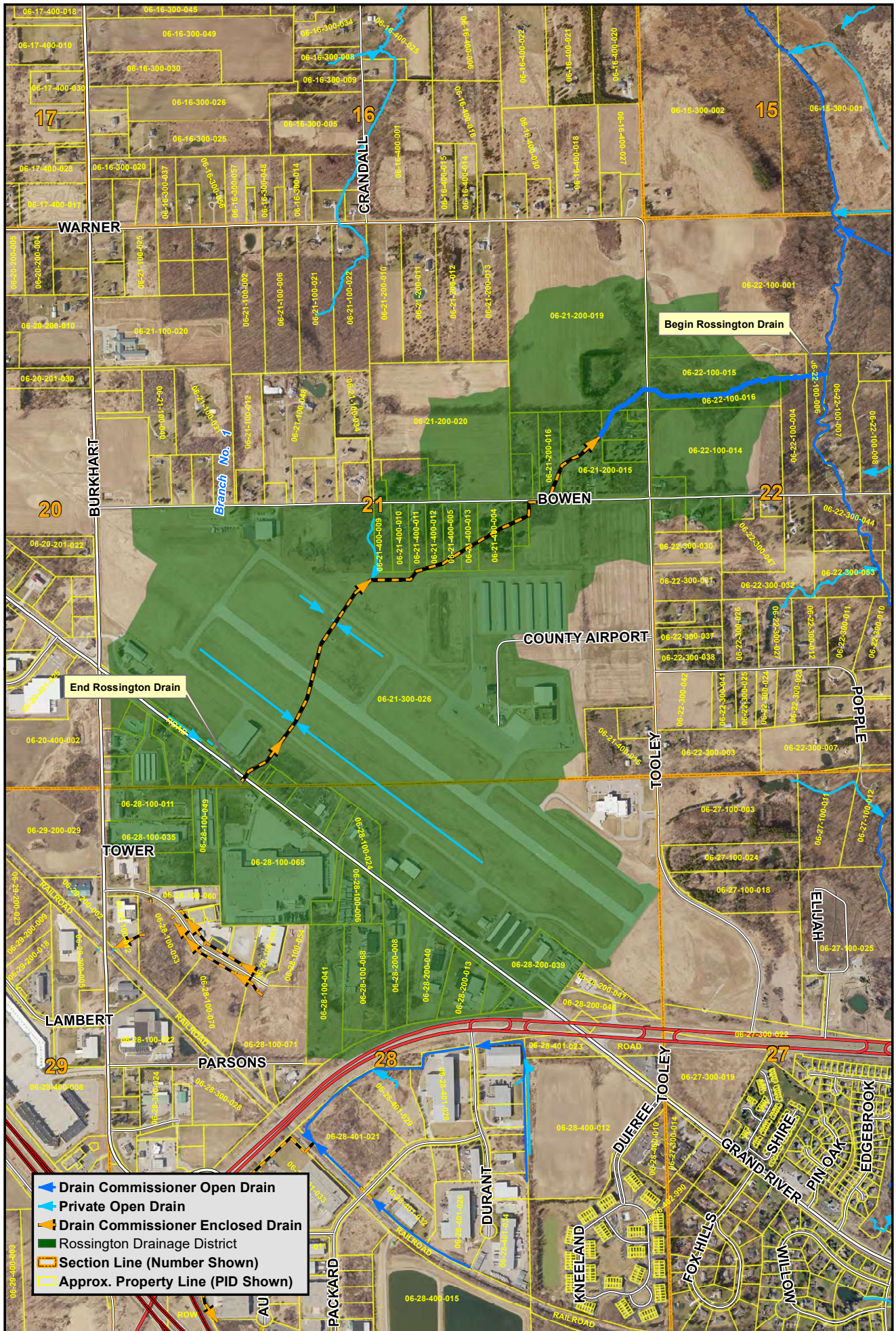


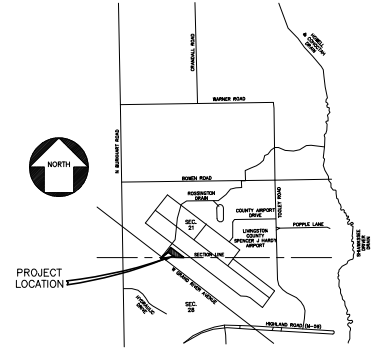
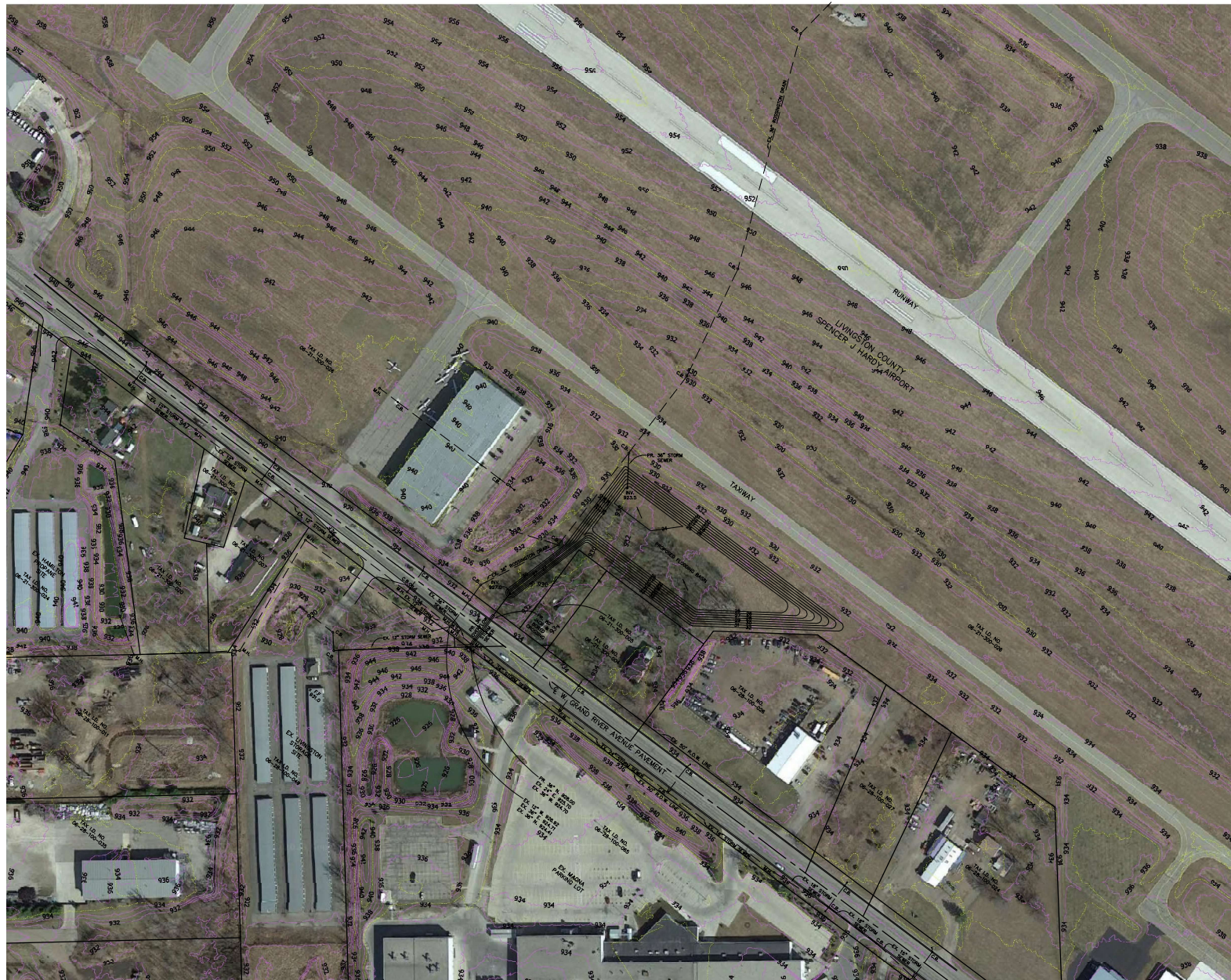


Livingston County Drain Commissioner
2300 E Grand River
Howell, MI. 48843
Orthophoto Flown 2020
Printed March 1, 2024

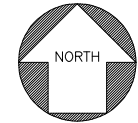
**Rossington Drain
Drainage District**
A part of Sections 21, 22, and 23 of Howell Township



1 inch = 800 feet



LOCATION MAP
SCALE: 1"=200'



SCALE
1"=100'

- LEGEND
- 930 — EXISTING CONTOUR
 - 30 — PROPOSED CONTOUR (ADD 900 FEET)
 - CB — CATCH BASIN
 - M.H. — MANHOLE

EXISTING LOW AREA STORAGE VOLUME CALCULATION

CONTOUR	AREA BELOW CONTOUR	AVERAGE DEPTH	VOLUME BETWEEN CONTOURS	CUMULATIVE VOLUME
929	5,342 S.F.	84.485 S.F. X 1.0 FT.	84,485 CU. FT.	84,485 CU. FT.
930	115,467 S.F.	164,893 S.F. X 1.0 FT.	164,893 CU. FT.	249,378 CU. FT.
931	214,209 S.F.			

TOTAL EXISTING LOW AREA VOLUME = 249,378 CU. FT.

PRELIMINARY FLOODING BASIN STORAGE VOLUME CALCULATION

CONTOUR	AREA BELOW CONTOUR	AVERAGE DEPTH	VOLUME BETWEEN CONTOURS	CUMULATIVE VOLUME
923.5	5,341 S.F.	5,785 S.F. X 0.5 FT.	2,893 CU. FT.	2,893 CU. FT.
924	6,229 S.F.	28,119 S.F. X 1.0 FT.	28,119 CU. FT.	31,012 CU. FT.
925	50,009 S.F.	53,056 S.F. X 1.0 FT.	53,056 CU. FT.	84,068 CU. FT.
926	56,102 S.F.	59,590 S.F. X 1.0 FT.	59,590 CU. FT.	143,658 CU. FT.
927	63,078 S.F.	66,872 S.F. X 1.0 FT.	66,872 CU. FT.	210,530 CU. FT.
928	70,865 S.F.	74,580 S.F. X 1.0 FT.	74,580 CU. FT.	285,110 CU. FT.
929	78,495 S.F.	82,029 S.F. X 1.0 FT.	82,029 CU. FT.	367,139 CU. FT.

TOTAL FLOODING BASIN VOLUME PROVIDED = 367,139 CU. FT.

NOTE: AERIAL PHOTOGRAPHY & CONTOUR INFORMATION SHOWN FROM SEMCOG G.I.S. DATA BASE



CLIENT: LIVINGSTON COUNTY DRAIN COMMISSIONER
2300 E. GRAND RIVER AVENUE
HOWELL, MICHIGAN 48843
PHONE: 517/546-0040

REVISIONS	

PROPOSED IMPROVEMENTS FOR
THE ROSSINGTON DRAIN
HOWELL TOWNSHIP
LIVINGSTON COUNTY
MICHIGAN

PRELIMINARY FLOOD MITIGATION PLAN
Environmental engineers, Inc.
18620 WEST TEN MILE ROAD
SOUTHFIELD, MICHIGAN 48075
PHONE: 248/424-9510 FAX: 248/424-2954
CLIENT PROJECT NO.: 2241
DATE ISSUED: 02/08/23
SHEET NO.: C-1