#### GENOA CHARTER TOWNSHIP BOARD Regular Meeting May 7, 2018 6:30 p.m.

#### AGENDA

Call to Order:

Pledge of Allegiance:

Call to the Public (Public comment will be limited to two minutes per person)\*:

#### **Approval of Consent Agenda:**

1. Payment of Bills.

2. Request to Approve Minutes: April 16, 2018

3. Request to accept a proposal from Landscape Design and Associates for the cleanup of the Chilson Hills Cemetery at a cost of \$750.00.

4. Request to approve the purchase of 15 Dell laptop computers for the Clerk's office at a cost not to exceed \$8,753.91.

5. Request to appoint Marianne McCreary and re-appoint Doug Brown to three-year terms on the Planning Commission beginning on July 1, 2018 and expiring on June 30, 2019.

6. Request to re-appoint Marianne McCreary and appoint Bill Rockwell to three-year terms on the Zoning Board of Appeals beginning on July 1, 2018 and expiring on June 30, 2019.

#### **Approval of Regular Agenda:**

7. Consideration of a request for approval of a special use, site plan and environmental impact assessment for a proposed commercial outdoor display, sales and storage area for a new Family Farm and Home store. The property in question is located in the former TJ Maxx retail space at 3685 E. Grand River Avenue, Howell 48843. The request is petitioned by Family Farm and Home.

- A. Disposition of Special Use Application.
- B. Disposition of Environmental Impact Assessment (1-4-18).
- C. Disposition of Site Plan (4-27-18).

8. Request to enter into closed session to discuss attorney-client communication pursuant to MCL 15.268(h) (Roll Call Vote).

Correspondence Member Discussion Adjournment

\*Citizen's Comments- In addition to providing the public with an opportunity to address the Township Board at the beginning of the meeting, opportunity to comment on individual agenda items may be offered by the Chairman as they are presented.

### CHECK REGISTERS FOR TOWNSHIP BOARD MEETING

DATE: May 7, 2018

| TOWNSHIP GENERAL EXPENSES: Thru May 7, 2018 | \$95,191.48  |
|---|--------------|
| May 4, 2018 Bi Weekly Payroll               | \$92,066.93  |
| OPERATING EXPENSES: Thru May 7, 2018        | \$142,359.12 |
| TOTAL:                                      | \$329,617.53 |

#### Check Register Report For Genoa Charter Township For Check Dates 05/04/2018 to 05/04/2018

| Check Date | Bank  | Check Number | Name                     | Check<br>Gross | Physical<br>Check Amount | Direct<br>Deposit | Status  |
|------------|---|--------------|--------------------------|----------------|--------------------------|-------------------|---------|
| 05/04/2018 | FNBCK                                       | EFT218       | FLEX SPENDING (TASC)     | 1,495.77       | 1,495.77                 | 0.00              | Cleared |
| 05/04/2018 | FNBCK                                       | EFT219       | INTERNAL REVENUE SERVICE | 21,176.93      | 21,176.93                | 0.00              | Open    |
| 05/04/2018 | FNBCK                                       | EFT220       | PRINCIPAL FINANCIAL      | 2,901.00       | 2,901.00                 | 0.00              | Cleared |
| 05/04/2018 | FNBCK                                       | EFT221       | PRINCIPAL FINANCIAL      | 982.80         | 982.80                   | 0.00              | Cleared |
| Totals:    |   |              | Number of Checks: 004    | 26,556.50      | 26,556.50                | 0.00              |         |
|            | Fotal Physical Checks<br>Fotal Check Stubs: | 3 :          | 4                        |                | Dir. Dep.<br>65,510.43   | •                 |         |

# 92,066.93

Check

Check Date

#### CHECK REGISTER FOR GENOA TOWNSHIP CHECK NUMBERS 34367 - 35000

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Amount

|      | CHECK    | NUMBERS | 34 |
|------|----------|---------|----|
| Venc | lor Name | 9       |    |

| Bank FNBCK C | HECKING ACCOUNT |                                   | · · · ·   |
|--------------|-----------------|-----------------------------------|-----------|
| 04/10/2018   | 34367           | MICA CRAFTERS, INC                | 2,320.00  |
| 04/12/2018   | 34368           | ATET                              | 326.00    |
| 04/12/2019   | 34369           | CONSUMERS ENERGY                  | 394.99    |
| 04/12/2018   | 34370           | ETHICAL EXTERIORS                 | 2,650.00  |
| 04/12/2018   | 34371           | WELLNESS IQ                       | 164.00    |
| 04/16/2018   | 34372           | MARY KRENCICKI                    | 24.63     |
| 04/16/2018   | 34373           | LAKESIDE SERVICE COMPANY, INC     | 1,710.00  |
| 04/16/2018   | 34374           | MASTER MEDIA SUPPLY               | 42.19     |
| 04/16/2018   | 34375           | MICHIGAN.COM PRESS & ARGUS        | 160.00    |
| 04/16/2018   | 34376           | PAULETTE SKOLARUS                 | 178.17    |
| 04/17/2018   | 34377           | ALLSTAR ALARM LLC                 | 270.00    |
| 04/17/2018   | 34378           | BLUE CROSS & BLUE SHIELD OF MI    | 34,069.08 |
| 04/17/2018   | 34379           | BULLSEYE TELECOM                  | 403.54    |
| 04/17/2018   | 34380           | ETNA SUPPLY COMPANY               | 10,890.00 |
| 04/17/2018   | 34381           | FEDERAL EXPRESS                   | 117.07    |
| 04/17/2018   | 34382           | ICMA                              | 989.00    |
| 04/17/2018   | 34383           | MICHIGAN ASSOC. OF PLANNING       | 650.00    |
| 04/17/2018   | 34384           | TETRA TECH INC                    | 1,055.00  |
| 04/17/2018   | 34385           | US BANK EQUIPMENT FINANCE         | 1,765.56  |
| 04/17/2018   | 34386           | VERIZON WIRELESS                  | 373.31    |
| 04/18/2018   | 34387           | COOPER'S TURF MANAGEMENT LLC      | 3,061.00  |
| 04/18/2018   | 34308           | ICMA                              | 661.60    |
| 04/18/2018   | 34389           | MASTER MEDIA SUPPLY               | 92.90     |
| 04/18/2018   | 34390           | MICHIGAN MUNICIPAL EXECUTIVES     | 130.00    |
| 04/20/2018   | 34391           | CHARTER TOWNSHIP OF BRIGHTON      | 299.52 V  |
|              |                 | Void Reason: MADE OUT TO WRONG VE |           |
| 04/20/2018   | 34392           | COMCAST                           | 190.16    |
| 04/20/2018   | 34393           | EHIM, INC                         | 14,632.92 |
| 04/20/2018   | 34394           | CHASE CARD SERVICES               | 299.52    |
| 04/20/2018   | 34395           | DELTA DENTAL                      | 3,671.32  |
| 04/20/2018   | 34396           | GUARDIAN                          | 2,237.08  |
| 04/24/2018   | 34397           | ATET                              | 16.31     |
| 04/24/2018   | 34398           | ETHAN MURPHY                      | 50.00     |
| 04/24/2018   | 34399           | MASTER MEDIA SUPPLY               | 34.65     |
| 04/24/2018   | 34400           | NEOPOST USA INC                   | 862.70    |
| 04/24/2018   | 34401           | WAL-MART COMMUNITY                | 229.37    |
| 04/30/2018   | 34402           | AMERICAN VIDEO TRANSFER INC       | 2,250.00  |
| 04/30/2018   | 34403           | MICHAEL ARCHINAL                  | 500.00    |
| 04/30/2018   | 34404           | CEI                               | 470.00    |
| 04/30/2018   | 34405           | DYKEMA GOSSETT, PLLC              | 2,506.00  |
| 04/30/2018   | 34406           | MICHIGAN ASSESSOR'S ASSOC         | 500.00    |
| 04/30/2018   | 34407           | SEWARD PECK & HENDERSON PLLC      | 1,664.00  |
| 04/30/2018   | 34408           | TERRY CROFT                       | 235.44    |
| 04/30/2018   | 34409           | UNEMPLOYMENT INSURANCE AGENCY     | 300.00    |
| 05/01/2018   | 34410           | BRIGHTON ANALYTICAL , L.L.C.      | 70.00     |
| 05/01/2018   | 34411           | LIVINGSTON CO. REGISTER OF DEEDS  | 60.00     |
| 05/01/2018   | 34412           | DIANA LOWE                        | 289.19    |
| 05/01/2018   | 34413           | MASTER MEDIA SUPPLY               | 334.90    |
| 05/01/2018   | 34414           | PERFECT MAINTENANCE CLEANING      | 565.00    |
| 05/01/2018   | 34415           | TRI COUNTY SUPPLY, INC.           | 248.22    |
| 05/01/2018   | 34416           | MICHIGAN STATE UNIVERSITY         | 110.00    |
| 05/01/2018   | 34417           | AMY RUTHIG                        | 307.50    |
| 05/01/2018   | 34410           | KELLY VANMARTER                   | 58.28     |
| FNBCK TOTAL  | S:              |                                   |           |
|              |                 |                                   | 05 401 00 |

Total of 52 Checks: Less 1 Void Checks:

Total of 51 Disbursements:

95,491.00 299.52 95,191.48

#### Check Register Report For Genoa Charter Township For Check Dates 04/20/2018 to 04/20/2018

| Check Date | Bank Ch                                      | eck Number | Name                     | Check<br>Gross | Physical<br>Check Amount            | Direct<br>Deposit | Status |
|------------|--|------------|--------------------------|----------------|-------------------------------------|-------------------|--------|
| 04/20/2018 | FNBCK  | 12629      | GALLERANI, LINDA L       | 217.00         | 207.78                              | 0.00              | Open   |
| 04/20/2018 | FNBCK  | EFT213     | FLEX SPENDING (TASC)     | 1,495.77       | 1,495.77                            | 0.00              | Open   |
| 04/20/2018 | FNBCK  | EFT214     | INTERNAL REVENUE SERVICE | 20,733.37      | 20,733.37                           | 0.00              | Open   |
| 04/20/2018 |  | EFT215     | PRINCIPAL FINANCIAL      | 2,901.00       | 2,901.00                            | 0.00              | Open   |
| 04/20/2018 |  | EFT216     | PRINCIPAL FINANCIAL      | 982.80         | 982.80                              | 0.00              | Open   |
|            | Total Physical Checks:<br>Total Check Stubs: |            | Number of Checks: 005    | 26,329.94      | 26,320.72<br>Dir. Dep.<br>64,212.05 | 0.00              |        |
|            | IGTAL CHECK Stubs.                           |            |                          |                | \$ 90,532.00                        |                   |        |

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#### CHECK REGISTER FOR GENOA TOWNSHIP CHECK NUMBERS 4280 - 4440

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| Check Date  | Check           | Vendor Name                    | Amount    |
|-------------|-----------------|--------------------------------|-----------|
| Bank 503F   | N DPW-UTILITIES | #503                           |           |
| 04/11/2018  | 4280            | LOWE'S                         | 870.97    |
| 04/11/2018  | 4281            | WEX BANK                       | 2,786.77  |
| 04/11/2018  | 4282            | WINDSTREAM                     | 42.23     |
| 04/12/2018  | 4283            | JENIFER KERN                   | 71.75     |
| 04/16/2018  | 4284            | U.S. POSTMASTER                | 1,439.76  |
| 04/17/2018  | 4285            | ADVANCE AUTO PARTS             | 119.68    |
| 04/17/2018  | 4286            | BELLE TIRE                     | 895.98    |
| 04/17/2018  | 4287            | BLACKBURN MFG. CO.             | 190.19    |
| 04/17/2018  | 4288            | CHASE CARD SERVICES            | 5,486.17  |
| 04/17/2018  | 4289            | FASTENAL COMPANY               | 6.89      |
| 04/17/2018  | 4290            | K & J ELECTRIC, INC.           | 264.00    |
| 04/17/2018  | 4291            | PORT CITY COMMUNICATIONS, INC. | 226.84    |
| 04/17/2018  | 4292            | ROYS AUTOWORKS CORP            | 498.40    |
| 04/17/2018  | 4293            | SIGN WORKS                     | 300.00    |
| 04/17/2018  | 4294            | STAPLES CREDIT PLAN            | 308,54    |
| 04/17/2018  | 4295            | HOWELL TRUE VALUE HARDWARE     | 205.51    |
| 04/17/2018  | 4296            | VICTORY LANE QUICK OIL CHANGE  | 204.45    |
| 04/17/2018  | 4297            | MWEA                           | 325.00    |
| 04/17/2018  | 4298            | ODEN TRAINING                  | 120.00    |
| 04/20/2018  | 4299            | VERIZON WIRELESS               | 1,060.81  |
| 04/30/2018  | 4300            | SARAH BRABBS                   | 1,550.00  |
| 04/30/2018  | 4301            | GREG TATARA                    | 700.00    |
| 04/30/2018  | 4302            | TESHA HUMPHRISS                | 250.00    |
| 503FN TOT   | ALS:            |                                |           |
| Total of 23 |                 |                                | 17,923.94 |
| Less 0 Void | Checks:         |                                | 0.00      |

Total of 23 Disbursements:

17,923.94

15/U1/2018 U2:46 PM CHECK REGISTER FOR GENOA TOWNSHIP Page: 1/1 Jser: Angie CHECK NUMBERS 3370 - 3500 B: Genoa Township heck Date Check Vendor Name Amount Jank 593FN LAKE EDGEWOOD OPERATING FUND #593 BRIGHTON ANALYTICAL , L.L.C. 4/11/2018 3370 67.00 4/12/2018 3371 CONSUMERS ENERGY 555.54 4/17/2018 3372 BRIGHTON ANALYTICAL , L.L.C. 67.00 4/17/2018 3373 BULLSEYE TELECOM 225.36 4/17/2018 GENOA TOWNSHIP D.P.W. FUND 3374 10,781.00 4/17/2018 3375 HUBBELL, ROTH & CLARK, INC 1,054.92 OAK POINT OPERATING 4/17/2018 3376 6,534.80 4/17/2018 3377 PVS NOLWOOD CHEMICALS, INC. 932.00 4/24/2018 BRIGHTON ANALYTICAL , L.L.C. 3378 67.00 4/24/2018 3379 MHOG WATER AUTHORITY 24.40 5/01/2018 3380 0.00 V Void Reason: PRINTED REPORT ON CHECK 5/01/2018 3381 BRIGHTON ANALYTICAL , L.L.C. 134.00 93FN TOTALS: otal of 12 Checks: 20,443.10 ess 1 Void Checks: 0.00 otal of 11 Disbursements: 20,443.10 05/01/2018 02:45 PM CHECK REGISTER FOR GENOA TOWNSHIP Page: 1/1 User: Angie CHECK NUMBERS 4230 - 4440 DB: Genoa Township Check Date Check Vendor Name Amount Bank 592FN OAK POINTE OPERATING FUND #592 34/06/2018 4230 DTE ENERGY 2,521.22 34/11/2018 4231 DTE ENERGY 375.68 34/12/2018 4232 AT&T 460.44 34/17/2018 4233 BRIGHTON ANALYTICAL , L.L.C. 370.00 34/17/2018 4234 BULLSEYE TELECOM 228.36 34/17/2018 4235 DUBOTS-COOPER

| J4/17/2018       4236       EJ USA, INC.       1,935         J4/17/2018       4237       FASTENAL COMPANY       458         J4/17/2018       4238       GENOA TOWNSHIP D.P.W. FUND       38,878         J4/17/2018       4239       GENOA TOWNSHIP G/O NEW USER FUND       38,878         J4/17/2018       4240       HACH COMPANY       119         J4/17/2018       4241       KENNEDY INDUSTRIES       275         J4/17/2018       4242       MICHIGAN CAT       293         J4/17/2018       4243       NORTHERN PUMP & WELL       728         J4/17/2018       4244       STATE OF MICHIGAN       288         J4/17/2018       4245       TLS CONSTRUCTION       4,944         J4/17/2018       4246       USA BLUEBOOK       147         J4/17/2018       4247       UTILITIES INSTRUMENTATION SERVICE       402         J4/17/2018       4248       WATER SOLUTIONS UNLIMITED, INC       2,310         J4/17/2018       4249       ATET LONG DISTANCE       402 |        | 11/2010 | 4233 | DOBO1S-COOPER      |    | 32,780.64 |
|---|--------|---------|------|--------------------|----|-----------|
| J4/17/2018       4237       FASTENAL COMPANY       458         J4/17/2018       4238       GENOA TOWNSHIP D.P.W. FUND       38,878         J4/17/2018       4239       GENOA TOWNSHIP D.P.W. FUND       15,900         J4/17/2018       4240       HACH COMPANY       119         J4/17/2018       4241       KENNEDY INDUSTRIES       275         J4/17/2018       4242       MICHIGAN CAT       293         J4/17/2018       4243       NORTHERN PUMP & WELL       728         J4/17/2018       4244       STATE OF MICHIGAN       288         J4/17/2018       4245       TLS CONSTRUCTION       4,944         J4/17/2018       4246       USA BLUEBOOK       147         J4/17/2018       4247       UTILITIES INSTRUMENTATION SERVICE       402         J4/17/2018       4248       WATER SOLUTIONS UNLIMITED, INC       2,310         J4/17/2018       4249       AT&T LONG DISTANCE       402  |        |         | 4236 | EJ USA, INC.       |    | 1,935.00  |
| J4/17/2018       4238       GENOA TOWNSHIP D.P.W. FUND       38,878         J4/17/2018       4239       GENOA TOWNSHIP G/O NEW USER FUND       15,900         J4/17/2018       4240       HACH COMPANY       119         J4/17/2018       4241       KENNEDY INDUSTRIES       275         J4/17/2018       4242       MICHIGAN CAT       293         J4/17/2018       4243       NORTHERN PUMP & WELL       728         J4/17/2018       4244       STATE OF MICHIGAN       288         J4/17/2018       4245       TLS CONSTRUCTION       4,944         J4/17/2018       4246       USA BLUEBOOK       147         J4/17/2018       4247       UTILITIES INSTRUMENTATION SERVICE       402         J4/17/2018       4249       WATER SOLUTIONS UNLIMITED, INC       2,310         J4/17/2018       4249       ATET LONG DISTANCE       402   | 7/2018 | 17/2018 | 4237 | FASTENAL COMPANY   | -  | 458.30    |
| J4/17/2018       4239       GENOA TOWNSHIP G/O NEW USER FUND       15,900         J4/17/2018       4240       HACH COMPANY       119         J4/17/2018       4241       KENNEDY INDUSTRIES       275         J4/17/2018       4242       MICHIGAN CAT       293         J4/17/2018       4243       NORTHERN PUMP & WELL       728         J4/17/2018       4244       STATE OF MICHIGAN       288         J4/17/2018       4245       TLS CONSTRUCTION       4,944         J4/17/2018       4246       USA BLUEBOOK       147         J4/17/2018       4247       UTILITIES INSTRUMENTATION SERVICE       402         J4/17/2018       4249       ATET LONG DISTANCE       402  | 7/2018 | 17/2018 | 4238 |                    |    |           |
| 14/17/2018       4240       HACH COMPANY       119         14/17/2018       4241       KENNEDY INDUSTRIES       275         14/17/2018       4242       MICHIGAN CAT       293         14/17/2018       4243       NORTHERN PUMP & WELL       728         14/17/2018       4244       STATE OF MICHIGAN       288         14/17/2018       4245       TLS CONSTRUCTION       4,944         14/17/2018       4246       USA BLUEBOOK       147         14/17/2018       4247       UTILITIES INSTRUMENTATION SERVICE       402         14/17/2018       4248       WATER SOLUTIONS UNLIMITED, INC       2,310         14/17/2018       4249       ATET LONG DISTANCE       40  | 7/2018 | 17/2018 | 4239 |                    |    | •         |
| 34/17/2018       4241       KENNEDY INDUSTRIES       275         34/17/2018       4242       MICHIGAN CAT       293         34/17/2018       4243       NORTHERN PUMP & WELL       728         34/17/2018       4244       STATE OF MICHIGAN       288         34/17/2018       4245       TLS CONSTRUCTION       4,944         34/17/2018       4246       USA BLUEBOOK       147         34/17/2018       4247       UTILITIES INSTRUMENTATION SERVICE       402         34/17/2018       4248       WATER SOLUTIONS UNLIMITED, INC       2,310         34/224/2018       4249       ATET LONG DISTANCE       40  | 7/2018 | 17/2018 | 4240 |                    |    | •         |
| J4/17/2018         4242         MICHIGAN CAT         273           J4/17/2018         4243         NORTHERN PUMP & WELL         728           J4/17/2018         4244         STATE OF MICHIGAN         288           J4/17/2018         4245         TLS CONSTRUCTION         4,944           J4/17/2018         4246         USA BLUEBOOK         147           J4/17/2018         4247         UTILITIES INSTRUMENTATION SERVICE         402           J4/17/2018         4249         WATER SOLUTIONS UNLIMITED, INC         2,310           J4/224/2018         4249         AT&T LONG DISTANCE         40   | 7/2018 | 17/2018 | 4241 | -                  |    | 119.37    |
| 34/17/2018       4243       NORTHERN PUMP & WELL       728         34/17/2018       4244       STATE OF MICHIGAN       288         34/17/2018       4245       TLS CONSTRUCTION       4,944         34/17/2018       4246       USA BLUEBOOK       147         34/17/2018       4247       UTILITIES INSTRUMENTATION SERVICE       402         34/17/2018       4248       WATER SOLUTIONS UNLIMITED, INC       2,310         34/24/2018       4249       AT&T LONG DISTANCE       402  | 7/2018 | 17/2018 |      |                    |    | 275.00    |
| 14/17/2018       4244       STATE OF MICHIGAN       288         14/17/2018       4245       TLS CONSTRUCTION       4,944         14/17/2018       4246       USA BLUEBOOK       147         14/17/2018       4247       UTILITIES INSTRUMENTATION SERVICE       402         14/17/2018       4248       WATER SOLUTIONS UNLIMITED, INC       2,310         14/24/2018       4249       AT&T LONG DISTANCE       402   |        |         |      |                    |    | 293.68    |
| )4/17/2018       4245       TLS CONSTRUCTION       4,944         )4/17/2018       4246       USA BLUEBOOK       147         )4/17/2018       4247       UTILITIES INSTRUMENTATION SERVICE       402         )4/17/2018       4248       WATER SOLUTIONS UNLIMITED, INC       2,310         )4/24/2018       4249       ATET LONG DISTANCE       40  |        |         |      |                    |    | 728.00    |
| 14/17/2018       4246       USA BLUEBOOK       147         14/17/2018       4247       UTILITIES INSTRUMENTATION SERVICE       402         14/17/2018       4248       WATER SOLUTIONS UNLIMITED, INC       2,310         14/24/2018       4249       ATET LONG DISTANCE       40   |        |         |      |                    |    | 288.00    |
| 14/17/2018         4247         UTILITIES INSTRUMENTATION SERVICE         402           14/17/2018         4248         WATER SOLUTIONS UNLIMITED, INC         402           14/24/2018         4249         ATET LONG DISTANCE         402   |        |         |      |                    | 80 | 4,944.00  |
| 34/17/2018         4248         WATER SOLUTIONS UNLIMITED, INC         2,310           34/24/2018         4249         ATET LONG DISTANCE         402   |        |         |      |                    |    | 147.91    |
| )4/24/2018 4249 ATET LONG DISTANCE 40   |        |         |      |                    |    | 402.00    |
| 14/24/2018 4249 ATET LONG DISTANCE 40   |        |         |      |                    |    | 2,310.00  |
|   |        |         |      | ATET LONG DISTANCE |    | 40.46     |
|   |        |         | 4250 | DTE ENERGY         |    | 870.73    |
| 15/13/2019 A251 DEP ENERGY  | 1/2018 | 01/2018 | 4251 | DTE ENERGY         |    |           |
| 32 JOO THE ENERGY 32  | ~      |         |      | DTE ENERGY         |    | 32,17     |

#### 592FN TOTALS:

lotal of 22 Checks: less 0 Void Checks:

:otal of 22 Disbursements:

0.00

104,359.12

7

#### GENOA CHARTER TOWNSHIP BOARD Regular Meeting April 16, 2018

#### **MINUTES**

Supervisor Rogers called the regular meeting of the Genoa Charter Township Board to order at 6:30 p.m., with the Pledge of Allegiance. The following members were present constituting a quorum for the transaction of business: Bill Rogers, Paulette Skolarus, Robin Hunt, Jim Mortensen, Terry Croft and Jean Ledford. Also present were Township Manager Michael Archinal and eleven persons in the audience.

A Call to the Public was made with no response.

#### **Approval of Consent Agenda:**

Moved by Croft and supported by Mortensen to approve all items listed under the consent agenda with the exception of the request from Evolving Technologies that will be discussed under regular agenda. The motion carried unanimously.

#### 1. Payment of Bills.

2. Request to Approve Minutes: April 2, 2018

3. Request to approve the purchase of five new workstations and one new monitor from Dell for a cost not to exceed \$3,407.99 in accordance with the Township's computer rotation schedule.

4. Request to enter into an agreement with the Livingston County Road Commission to reconstruct approximately 1.89 miles of Hughes Road from Forrest Pond Drive to Golf Club with a Township contribution of \$200,000.

#### Approval of Regular Agenda:

Moved by Ledford and supported by Mortensen to approve for action all items listed under the regular agenda with the addition of Evolving Technologies. The motion carried unanimously.

# 5. Request to approve a proposal from Evolving Technologies Inc. for the purchase and installation of equipment to streamline the Township's network system at a cost not to exceed \$4,082.00.

Moved by Mortensen and supported by Croft to approve the purchase consolidating the internet with the phone system and moving from cable to fiber optics. The motion carried unanimously.

#### 6. Presentation regarding Eagle Scout project at the Genoa Township Park.

Daniel Kehn presented a request to add benches and side tables to the Township Soccer Fields. It was the consensus of the board to support the project. Kehn will provide a cost and material bid in the near future.

## 7. Request for consideration to grant a Class C Liquor License to be held by Max Austin, LLC d.b.a. Arta's Italian at 2394 Genoa Business Park Drive, Brighton, Michigan 48114.

Moved by Skolarus and supported by Mortensen to approve the Liquor License as requested. The motion carried by roll call vote as follows: Ledford, Croft, Hunt, Mortensen, Skolarus and Rogers. Nays – None. Absent – Lowe.

# 8. Consideration of a request for approval of a site plan amendment for a revised building façade design and material modifications to the previously approved Hampton Inn and Suites located on a vacant 2.56 acre site southwest of the Grand Oaks Drive and Latson Road Intersection. The request is petitioned by Bowers and Associates.

The petitioner was not present for this request. Mortensen provided an update to the board concerning the Planning Commission recommendation for approval. Moved by Skolarus and supported by Hunt with the condition that the applicant shall confirm that no other amendments are proposed to the site plan, landscape plan or utility plan prior to the issuance of the Land Use Permit. The motion carried unanimously.

#### 9. Discussion regarding an addition to the Township clothing allowance policy.

Moved by Mortensen and supported by Ledford to amend the agenda to allow for action by the Township Board. The motion carried unanimously. Moved by Mortensen and supported by Hunt to approve a \$100.00 annual clothing allowance for the Zoning Board of Appeals and the Planning Commission with no member receiving more than one allowance. The motion carried unanimously.

## 10. Discussion regarding support for the Michigan Township's Association Political Action Committee.

No action was taken by the board. Individual members were encouraged to participate.

**Correspondence:** An invitation was received from our local chamber inviting board members to participate in a May 17, 2018 program at Lakeland Country Club. Skolarus advised the board of the necessity to upgrade election computers to coincide with new voting equipment. A request for approval Laptop computers related to the August Primary will be included on the May 7, 2018 consent agenda.

**Member Discussion:** Archinal – We are looking at three new road projects for this construction season: Earl Lake Heights, Fendt Drive and Novel Estates. Ledford inquired as to why the bus doesn't stop in Brighton for transportation to Ann Arbor.

The regular meeting of the Genoa Charter Township Board was adjourned at 7:15 p.m.

Jailite Ce Stelan

Paulette A. Skolarus, Clerk Genoa Charter Township



## Proposal

| Date      | Proposal # |
|-----------|------------|
| 4/30/2018 | 830        |

4239 Timberview Dr., Howell, MI 48843 734-260-2541 email: karleen@LD&A.com

> Genoa Township Hall 2911 Dorr Rd. Brighton, M1 48116

|     |   | Р     | .O. No. | Proje      | ct       |
|-----|---|-------|---------|------------|----------|
|     |   |       |         |            |          |
|     | Description   |       |         | Total      |          |
| Cle | leanup of cementery, leaf debris, haul out all debris |       |         |            | 750.00   |
|     |   |       |         |            |          |
|     |   |       |         |            |          |
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|     |   |       |         |            |          |
|     |   |       |         |            |          |
|     |   | Total |         |            | \$750.00 |
|     | Phone #   |       |         | Web Site   |          |
|     | 8103600365  |       |         | Idanda.com |          |

eQuote

| Savings            | \$4,446.75 |
|--------------------|------------|
| Subtotal (15)      | \$8,258.40 |
| Estimated Shipping | \$0.00     |
| Estimated Tax      | \$495.51   |
| Total              | \$8,753.91 |

| Details   | Billing   | Shipping  | Payment m  | ethod       |  |
|---|---|---|------------|-------------|--|
| elections 2<br>Quote number#<br>1013766347894.1<br>Created May 3, 2018<br>Expires July 2, 2018<br>Created by adam@genoa.org | Order contact<br>Adam VanTassell, Genoa<br>Township<br>Dell Contract Code: 99AGZ<br>Customer agreement number:<br>MHEC-07012015<br>Phone number: (810) 227-5225<br>Additional::<br>adam@genoa.org<br>Tax exemption<br>I am not tax exempt | Shipping information<br>Adam VanTassell, Genoa<br>Township<br>Genoa Township, Brighton, MI,<br>48116-9498<br>Phone number: (810) 227-5225<br>Additional::<br>adam@genoa.org<br>Delivery method<br>no charge delivery<br>Trade compliance<br>No, I will not be exporting |            |             |  |
| ltems   |   | Quantity  | Unit Price | Item total  |  |
| La  | titude 3580 - Build your own  | 15  | \$847.01   | \$12,705.15 |  |
| Del   | counted unit price: \$550.56<br>  Contract Code: 99AGZ<br>imated Ship Date<br>ps in 7 - 9 business days   |   |            |             |  |
|   | mier discount<br>alog Number: 84 / xctol358015usr   |   |            | -\$4,446.75 |  |

|          |             |      | Item tot          | al: \$8,258.40 |
|----------|-------------|------|-------------------|----------------|
| Category | Description | Code | SKU               | ID             |
|          |             |      |                   |                |
|          |             |      |                   |                |
|          |             |      | Savin             | gs: \$4,446.75 |
|          |             |      |                   |                |
|          |             |      | Subtotal (15)     | ): \$8,258.40  |
|          |             |      | Savings           | \$4,446.75     |
|          |             |      | Subtotal (15)     | \$8,258.40     |
|          |             |      | Estimated Shippir | ng \$0.00      |
|          |             |      | Estimated Tax     | \$495.51       |
|          |             |      | Total             | \$8,753.91     |

Ultrabook, Celeron, Celeron Inside, Core Inside, Intel, Intel Logo, Intel Atom, Intel Atom Inside, Intel Core, Intel Inside, Intel Inside Logo, Intel vPro, Itanium, Itanium Inside, Pentium, Pentium, Inside, vPro Inside, Xeon, Xeon Phi, Xeon Inside, and Intel Optane are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.

Same day shipment subject to order size limitations, Dell standard shipping methods and payment via credit card, gift card or Dell Business Credit. Notification will be provided if there are payment delays which could impact shipping date. Electronics and accessories may ship separately.

Smart Selection. Limited quantities. Only available for orders placed by 5:59 p.m. CT Mon.-Thurs. Systems shipped the next business day after an order is placed. Subject to order approval. Software and accessories not part of the configuration will be shipped separately and may arrive after your system. Please note that Smart Selection Configuration pricing cannot be combined with other pricing offers or discounts provided or agreed to by Dell. \*\* Orders with Custom Factory Integration might require additional processing time.

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\*\*Payment solutions provided and serviced by Dell Financial Services L.L.C. or its affiliate or designee ("DFS") for qualified customers. Offers may not be available or may vary in certain countries. Where available, offers may be changed without notice and are subject to product availability, credit approval, execution of documentation provided by and acceptable to DFS, and may be subject to minimum transaction size. Offers not available for personal, family or household use. Dell and the Dell logo are trademarks of Dell Inc. Restrictions and additional requirements may apply to transactions with governmental or public entities.

Subject to applicable law and regulations.

ALL ORDERS ARE SUBJECT TO APPROVAL AND ACCEPTANCE BY DELL. Pricing, availability and other terms of offer may be withdrawn or changed without notice. Dell cannot be held responsible for errors in typography or photography.

#### Genoa Township Officials Amended: February 9, 2018

| Christory (filling vacancy)       Constraints         Jill Rickard       06/30/18         John McManus       06/30/19         Jim Mortensen (1-year term)       11/20/18         Doug Brown       00/30/19         ZONING BOARD OF APPEALS (3-year term)       06/30/19         Bill Rockwell (filling vacancy)       01 T@ Clourd @ year term)         Bill Rockwell (filling vacancy)       01 T@ Clourd @ year term)         Bill Rockwell (filling vacancy)       06/30/19         ZONING BOARD OF APPEALS (3-year term)       06/30/19         Bill Rockwell (filling vacancy)       01 T@ Clourd @ year term)         Genome McCreary       06/30/19         Jeff Dhaenens       06/30/19         Jeff Dhaenens       06/30/19         Jean Ledford (1-year term)       01/12/0/18         Greg Rassel (alternate)       06/30/21         BOARD OF REVIEW (2-year term)       06/30/21         Chris Grajek       12/31/18         Ron Matkin       12/31/18         Ron Matkin       12/31/18         SEMCOG       11/20/20         Paulette A. Skolarus (alternate)       11/20/20         Bill Rogers       11/20/20         Bill Rogers       11/20/20         Forry Croft       11/20/20     <  | PLANNING COMMISSION (3-year term)<br>Chris Grajek   | 06/30/20   |
|--|---|--|
| Jill Rickard       06/30/20         John McManus       06/30/12         Jim Mortensen (1-year term)       11/20/18         Doug Brown       06/30/18         Eric Rauch       06/30/18         ZONING BOARD OF APPEALS (3-year term)       06/30/18         Bill Rockwell (filling vacancy)       wtrefelduct (a) year com× 06/30/18         Zoning BOARD OF APPEALS (3-year term)       06/30/18         Bill Rockwell (filling vacancy)       wtrefelduct (a) year com× 06/30/18         Zorning BOARD OF APPEALS (3-year term)       06/30/18         Darn Engel       06/30/18         Jeff Dhaenens       06/30/20         Jean Ledford (1-year term)       11/20/18         Greg Rassel (alternate)       06/30/21         BOARD OF REVIEW (2-year term)       12/31/18         Chris Grajek       12/31/18         Ron Matkin       12/31/18         Marianne McCreary       12/31/18         Patricia Petrat (alternate)       11/20/20         Paulette A. Skolarus (alternate)       11/20/20         Paulette A. Skolarus (alternate)       11/20/20         Bill Rogers       11/20/20         MeMain Lunt       11/20/20         Bill Rogers       11/20/20         FOIA COORDINATOR       11/20/   |   | and the second s |
| John McManus       06/30/19         Jim Mortensen (1-year term)       11/20/18         Doug Brown       06/30/19         ZONING BOARD OF APPEALS (3-year term)       06/30/19         Bill Rockwell (filling vacancy)       wtretherm)         Dean Tengel       06/30/19         Dean Tengel       06/30/19         Dean Tengel       06/30/19         Dean Tengel       06/30/20         Jean Ledford (1-year term)       11/20/18         Greg Rassel (alternate)       06/30/21         BOARD OF REVIEW (2-year term)       12/31/18         Chris Grajek       12/31/18         Marianne McCreary       12/31/18         Patricia Petrat (alternate)       12/31/18         SEMCOG       11/20/20         Paulette A. Skolarus (alternate)       11/20/20         Bill Rogers       11/20/20         Bill Rogers       11/20/20         Bill Rogers       11/20/20         Ferry Croft       11/20/20         Ferry Croft       11/20/20         Bill Rogers       11/20/20         Ferry Croft       11/20/20         Bill Rogers       11/20/20         Ferry Croft       11/20/20         Bill Rogers       11/20/20 </td <td></td> <td></td>  |   |  |
| Jim Mortensen (1-year term)       11/20/18         Doug Brown       06/30/18         Eric Rauch       06/30/19         ZONING BOARD OF APPEALS (3-year term)       Bill Rockwell (filling vacancy)       0170 Cloud () year come to 06/30/19         Bill Rockwell (filling vacancy)       0170 Cloud () year come to 06/30/19       06/30/19         Jeff Dhaenens       06/30/19       06/30/19         Jean Ledford (1-year term)       04/17/20/18       06/30/21         Correg Rassel (alternate)       06/30/21       06/30/21         BOARD OF REVIEW (2-year term)       06/30/21       06/30/21         Chris Grajek       12/31/18       12/31/18         Ron Matkin       12/31/18       12/31/18         Patricia Petrat (alternate)       11/20/20       11/20/20         SEMCOG       11/20/20       11/20/20         GENOA/OCEOLA SEWER AND WATER AUTHORITY       Robin Hunt       11/20/20         Bill Rogers       11/20/20       11/20/20         HOWELL PARKS AND RECREATION       11/20/20         Diana Lowe       11/20/20       11/20/20         FOIA COORDINATOR       11/20/20         Bill Rogers       11/20/20       11/20/20         FOIA COORDINATOR       11/20/20         Michael Archinal   |   |  |
| Doug Brown       06/30/19         Eric Rauch       06/30/19         ZONING BOARD OF APPEALS (3-year term)       Bill Rockwell (filling vacancy)       wtre Clourd & yaheo.com × 06/30/18         Bill Rockwell (filling vacancy)       wtre Clourd & yaheo.com × 06/30/18       06/30/18         Jeff Dhaenens       06/30/18       06/30/18         Jeff Dhaenens       06/30/19       06/30/18         Jean Ledford (1-year term)       11/20/18       06/30/21         BOARD OF REVIEW (2-year term)       11/20/18       06/30/21         Ron Matkin       12/31/18       12/31/18         Narianne McCreary       12/31/18       12/31/18         SEMCOG       11/20/20       11/20/20         Terry Croft       11/20/20       11/20/20         Paulette A. Skolarus (alternate)       11/20/20       11/20/20         GENOA/OCEOLA SEWER AND WATER AUTHORITY       Robin Hunt       11/20/20         Bill Rogers       11/20/20       11/20/20         HOWELL PARKS AND RECREATION       11/20/20         Diana Lowe       11/20/20       11/20/20         FOIA COORDINATOR       11/20/20       11/20/20         Bill Rogers       11/20/20       11/20/20         FOIA COORDINATOR       11/20/20       11/20/20     <  |   |  |
| Eric Rauch 06/30/19<br>ZONING BOARD OF APPEALS (3-year term)<br>Bill Rockwell (filling vacancy) UT ? Clucie (2) year bear come 06/30/18<br>Marianne McCreary (1-year term) 06/30/18<br>Jeft Dhaenens 06/30/18<br>Dean Tengel 06/30/20<br>Jean Ledford (1-year term) 11/20/18<br>Greg Rassel (alternate) 06/30/21<br>BOARD OF REVIEW (2-year term)<br>Chris Grajek 12/31/18<br>Ron Matkin 12/31/18<br>Narianne McCreary 12/31/18<br>Narianne McCreary 12/31/18<br>Patricia Petrat (alternate) 12/31/18<br>SEMCOG<br>Terry Croft 11/20/20<br>GENOA/OCEOLA SEWER AND WATER AUTHORITY<br>Robin Hunt 11/20/20<br>GENOA/OCEOLA SEWER AND WATER AUTHORITY<br>Robin Hunt 11/20/20<br>HOWELL PARKS AND RECREATION<br>Diana Lowe 11/20/20<br>HOGE (Marion, Howell, Oceola and Genoa)<br>Robin Hunt 11/20/20<br>FOIA COORDINATOR<br>Michael Archinal 11/20/20<br>ERIGHTON FIRE AUTHORITY<br>Bill Rogers 11/20/20<br>ERIGHTON FIRE AUTHORITY<br>Bill Rogers 11/20/20<br>FOIA COORDINATOR<br>Michael Archinal 11/20/20<br>ERIGHTON FIRE AUTHORITY<br>Bill Rogers 11/20/20<br>ELECTION COMMISSION<br>Diana Lowe 11/20/20<br>ELECTION COMMISSION<br>Diana Lowe 11/20/20   |   |  |
| Bill Rockwell (filling vacancy)       WTQCLLWCL @ yakes.com × 06/30/18         Marianne McCreary       V06/30/18         Jeff Dhaenens       06/30/18         Dean Tengel       06/30/19         Jean Ledford (1-year term)       11/20/18         Greg Rassel (alternate)       06/30/21         BOARD OF REVIEW (2-year term)       11/20/18         Chris Grajek       12/31/18         Ron Matkin       12/31/18         Marianne McCreary       12/31/18         Patricia Petrat (alternate)       12/31/18         SEMCOG       11/20/20         GenoA/OCEOLA SEWER AND WATER AUTHORITY       Robin Hunt         Bill Rogers       11/20/20         HOWELL PARKS AND RECREATION       11/20/20         Diana Lowe       11/20/20         FOIA COORDINATOR       11/20/20         Michael Archinal       11/20/20         FOIA COORDINATOR       11/20/20         Bill Rogers       11/20/20         FOIA COORDINATOR       11/20/20         FOIA COORDINATOR       11/20/20         Bill Rogers       11/20/20         ELECTION COMMISSION       11/20/20         Jiana Lowe       11/20/20  |   |  |
| Marianne McCreary       # 06/30/13       Oc         Jeff Dhaenens       06/30/13       Oc         Dean Tengel       06/30/13       Oc/30/20         Jean Ledford (1-year term)       11/20/18       Oc/30/21         BOARD OF REVIEW (2-year term)       06/30/21       Oc/30/21         Chris Grajek       12/31/18       Oc/30/21         Ron Matkin       12/31/18       It/20/18         Marianne McCreary       12/31/18       It/20/17         Patricia Petrat (alternate)       12/31/18       It/20/20         SEMCOG       11/20/20       It/20/20         GENOA/OCEOLA SEWER AND WATER AUTHORITY       Robin Hunt       11/20/20         Bill Rogers       11/20/20       It/20/20         HOWELL PARKS AND RECREATION       Diana Lowe       11/20/20         Terry Croft       11/20/20       It/20/20         MHOG (Marion, Howell, Oceola and Genoa)       11/20/20         Robin Hunt       11/20/20       It/20/20         FOIA COORDINATOR       11/20/20         Michael Archinal       11/20/20         ELECTION COMMISSION       11/20/20         Jim Mortensen       11/20/20         Vertensen       11/20/20  | ZONING BOARD OF APPEALS (3-year term)               |  |
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| Dean Tengel06/30/20Jean Ledford (1-year term)11/20/18Greg Rassel (alternate)06/30/21BOARD OF REVIEW (2-year term)06/30/21Chris Grajek12/31/18Ron Matkin12/31/18Marianne McCreary12/31/18Patricia Petrat (alternate)12/31/18SEMCOG11/20/20Terry Croft11/20/20Paulette A. Skolarus (alternate)11/20/20GENOA/OCEOLA SEWER AND WATER AUTHORITY11/20/20Robin Hunt11/20/20Bill Rogers11/20/20HOWELL PARKS AND RECREATION11/20/20Diana Lowe11/20/20Terry Croft11/20/20MHOG (Marion, Howell, Oceola and Genoa)11/20/20Robin Hunt11/20/20Bill Rogers11/20/20FOIA COORDINATOR11/20/20Michael Archinal11/20/20ELECTION COMMISSION11/20/20Diana Lowe11/20/20ELECTION COMMISSION11/20/20Diana Lowe11/20/20ELECTION COMMISSION11/20/20Diana Lowe11/20/20   |   |  |
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| Greg Rassel (alternate)06/30/21BOARD OF REVIEW (2-year term)<br>Chris Grajek12/31/18<br>12/31/18<br>12/31/18<br>12/31/18<br>12/31/18<br>12/31/18<br>12/31/18Marianne McCreary<br>Patricia Petrat (alternate)12/31/18<br>12/31/18SEMCOG<br>Terry Croft11/20/20GENOA/OCEOLA SEWER AND WATER AUTHORITY<br>Robin Hunt11/20/20GENOA/OCEOLA SEWER AND WATER AUTHORITY<br>Robin Hunt11/20/20Bill Rogers11/20/20HOWELL PARKS AND RECREATION<br>Diana Lowe11/20/20MHOG (Marion, Howell, Oceola and Genoa)<br>Robin Hunt11/20/20MHOG (Marion, Howell, Oceola and Genoa)<br>Robin Hunt11/20/20Bill Rogers11/20/20MHOG (Marion, Howell, Oceola and Genoa)<br>Robin Hunt11/20/20FOIA COORDINATOR<br>Michael Archinal11/20/20ELECTION COMMISSION<br>Diana Lowe11/20/20ELECTION COMMISSION<br>Diana Lowe11/20/20ELECTION COMMISSION<br>Diana Lowe11/20/20   |   |  |
| BOARD OF REVIEW (2-year term)       12/31/18         Chris Grajek       12/31/18         Ron Matkin       12/31/18         Marianne McCreary       12/31/18         Patricia Petrat (alternate)       12/31/18         SEMCOG       12/31/18         Terry Croft       11/20/20         Paulette A. Skolarus (alternate)       11/20/20         GENOA/OCEOLA SEWER AND WATER AUTHORITY       Robin Hunt         Robin Hunt       11/20/20         Bill Rogers       11/20/20         MHOC (Marion, Howell, Oceola and Genoa)       11/20/20         Robin Hunt       11/20/20         Bill Rogers       11/20/20         FOIA COORDINATOR       11/20/20         Bill Rogers       11/20/20         FOIA COORDINATOR       11/20/20         Michael Archinal       11/20/20         ELECTION COMMISSION       11/20/20         Diana Lowe       11/20/20   |   | A  |
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| SEMCOG<br>Terry Croft       11/20/20         Paulette A. Skolarus (alternate)       11/20/20         GENOA/OCEOLA SEWER AND WATER AUTHORITY       11/20/20         Robin Hunt       11/20/20         Bill Rogers       11/20/20         HOWELL PARKS AND RECREATION       11/20/20         Diana Lowe       11/20/20         Terry Croft       11/20/20         MHOG (Marion, Howell, Oceola and Genoa)       11/20/20         Robin Hunt       11/20/20         Bill Rogers       11/20/20         Bill Rogers       11/20/20         FOIA COORDINATOR       11/20/20         Michael Archinal       11/20/20         ERIGHTON FIRE AUTHORITY       11/20/20         Jim Mortensen       11/20/20         Viewer Store       11/20/20         Jim Mortensen       11/20/20         Viewer Store       11/20/20  |   | 100  |
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| ELECTION COMMISSION<br>Diana Lowe 11/20/20<br>Jean Ledford 11/20/20  |   |  |
| Diana Lowe         11/20/20           Jean Ledford         11/20/20  |   | 11/20/20   |
| Jean Ledford 11/20/20  |   |  |
| Jean Ledford 11/20/20  |   |  |
|  | Jean Ledford  | 11/20/20   |

(Policy-officials-terms)



#### MEMORANDUM

| rr Road           | то:        | Honorable Board of Trustees                                       |
|-------------------|------------|---|
| MI 48116<br>.5225 | FROM:      | Kelly VanMarter, Assistant Manager/Community Development Director |
| 3420 fax          | DATE:      | May 3, 2018   |
|                   | RE:        | Family Farm and Home Store – Outdoor Display, Sales & Storage     |
|                   | Managers F | Review: Marthand  |

Attached please find the project case file requesting approval for outdoor display, sales and storage for a new Family Farm and Home Store located at 3685 E. Grand River, Howell (formerly TJ Maxx). The property is within the regional commercial zoning district (RCD) and the request is petitioned by Martin Renel.

Procedurally, the Planning Commission is to make a recommendation to the Township Board on the special land use, site plan and Impact Assessment. The Township Board has the final review/approval authority over the proposal. After being tabled twice, the Planning Commission recommended conditional approval on April 9<sup>th</sup>, 2018. Please note that because of the number of meetings and reviews, the applicant will need to remit payment to cover the cost of site plan review fee exceedances. A breakdown of the fees to date is included in your packet.

As required as a condition of the Planning Commission recommendation, the applicant has submitted revised plans for review by the Township Engineer prior to submittal to the Township Board. The Township Engineer's review letter is attached and is recommending approval with minor revisions to the plans. Based on the action of the Planning Commission and including the recommendations of the Township Engineer, I suggest Board consideration of the following action:

\_\_\_\_\_, Supported by \_\_\_\_\_\_ to APPROVE the Moved by \_\_\_\_ Special Land Use permit because it has been found that the requested use meets the requirements of Sections 19.03 and 7.02.02(d) of the Township Ordinance with the following conditions:

- 1. All site plan application fee exceedances shall be paid prior to issuance of the Land Use Permit.
- 2. The site will remain in compliance with the environmental impact assessment.
- 3. Any materials stored outside shall be in an unopened condition as packaged by the supplier.

2911 Do Brighton, 810.227 810.227 genoa or

#### **SUPERVISOR**

**Bill Rogers** 

CLERK Paulette A. Skolarus

TREASURER Robin L. Hunt

TRUSTEES

Jean W. Ledford H. James Mortensen Terry Croft Diana Lowe

MANAGER Michael C. Archina 4. Five-feet of clearance shall be maintained along the front of the building to allow pedestrian circulation at all times.

Moved by \_\_\_\_\_\_\_, Supported by \_\_\_\_\_\_\_to APPROVE the Environmental Impact Assessment dated January 4, 2018 as submitted.

Moved by \_\_\_\_\_\_, Supported by \_\_\_\_\_\_ to APPROVE the site plan dated April 27, 2018 with the following conditions:

- 1. The applicant shall provide a cross-access easement to the east as shown on the plans. This easement shall be approved by the Township Attorney prior to issuance of a land use permit.
- 2. Any signage proposed will require a permit from the Township prior to installation.
- 3. All requirements of the May 1, 2018 Township Engineer shall be addressed prior to issuance of the land use permit.
- 4. The site plan review fee exceedances shall be paid prior to issuance of a land use permit.
- 5. The hydrant relocation will require the review and approval of the MHOG Utility Authority. The applicant shall comply with all requirements and should note that construction plan review and permits may be required.
- 6. If required, the applicant shall provide easement for the hydrant relocation prior to occupancy.

Should you have any questions concerning this matter, please do not hesitate to contact me.



Genoa Township 2911 Dorr Road Brighton, Michigan 48116 (810) 227-5225 fax (810) 227-3420

INVOICE -

| Cus      | stomer  |                 |                 |
|----------|---|-----------------|-----------------|
| Name     | Ashmark Construction; Martin Renel                | Date            | 4/30/2018       |
| Address  | 5640 W. Maple, Suite 101                          | Case No.        | 18-01           |
| City     | West Bloomfield State MI ZIP 48322                | Project Name    | Family Farm and |
| Phone    | 248-855-1575                                      |                 | Home            |
| Qty      | Description                                       | Unit Price      | TOTAL           |
|          | Additional Consultant Reviews & Meeting Attendace |                 |                 |
| 1        | LSL Planning, Inc Third Review                    | \$711.16        | \$711.16        |
| 1        | LSL Planning, Inc Fourth Review                   | \$519.44        | \$519.44        |
| 1        | Tetra Tech MPS - Third Review                     | \$215.00        | \$215.00        |
| 1        | Tetra Tech MPS - Fourth Review                    | \$215.00        |                 |
| 1        | Tetra Tech MPS- Review for Board Submittal        | \$215.00        |                 |
|          | Additional Planning Commission Meetings           |                 |                 |
| 1        | Second Meeting PC Member Per Diems                | \$389.33        | \$389.33        |
| 1        | Third Meeting PC Member Per Diems                 | \$389.33        | \$389.33        |
|          | Routing & Publications                            |                 |                 |
| 1        | Fed Ex Routing #3                                 | \$11.76         |                 |
| 1        | Fed Ex Routing #4                                 | \$35.72         | \$35.72         |
|          |   | SubTotal        | \$2,271.74      |
| <u> </u> | Payment Details Shipp                             | oing & Handling | \$0.00          |
|          | Cash Taxes  | 5 0             |                 |
| Č        | Check   |                 |                 |
|          |   | TOTAL           | \$2,271.74      |
|          |   |                 |                 |
|          | Of  | fice Use Only   |                 |
|          |   |                 |                 |
|          |   |                 |                 |

Payment must be made to prior to issuance of a land use permit.



### **GENOA CHARTER TOWNSHIP Special Land Use Application**

This application **must** be accompanied by a site plan review application and the associated submittal requirements. (The Zoning Official may allow a less detailed sketch plan for a change in use.)

| APPLICANT NAME & ADDRESS: Martin Renel, A  | SHMARK Construction                          |
|--|--|
| Submit a letter of Authorization from Property Owned   | er if application is signed by Acting Agent. |
| (240) = (240 | The All martin@ashmark.com                   |

| APPLICAN I PHONE: ( 246)055-1575               | EMAIL: martin@asimaik.com                                    |
|--|--|
|  |  |
|  |  |
| OWNER NAME & ADDRESS: ASHMARK Construction llc | c, 5640 West Maple Road Suite 300, West Bloomfield, MI 48322 |

SITE ADDRESS: 3685 E Grand River Ave PARCEL #(s): 4711-05-400-032

OWNER PHONE: <u>248 855-1575</u> EMAIL:\_\_\_\_\_

Location and brief description of site and surroundings:

The site is An existing shopping center known as Grand River Plaza located north of S Latson Road on Grand River Road.

The tenant wishes to improve and occupy a retail space once occupied by TJ Maxx.

Proposed Use:

Hard scaping a side yard (7,331 SF OR .17 AC) to the south for a fenced exterior storage area, a reuse of an existing parking area as storage and the removal of a trash compactor enclosure

screen fencing at the existing building entry and new loading dock door The requested outdoor fenced areas are for the purpose of storing products for sale.

Describe how your request meets the Zoning Ordinance General Review Standards (section 19.03):

a. Describe how the use will be compatible and in accordance with the goals, objectives, and policies of the Genoa Township Comprehensive Plan and subarea plans, and will promote the Statement of Purpose of the zoning district in which the use is proposed.

This project is located in a regional commercial district which allows for outdoor storage under 7.02.02 (d) of the Genoa Township Zoning Ordinance. Further this proposal provides 8 foot and 4 foot high screen walls where storage of products are to be stored or displayed. All stored items will not be stored higher than the screen provided and will

not be visible from any residential district or expressway

b. Describe how the use will be designed, constructed, operated, and maintained to be compatible with, and not significantly alter, the existing or intended character of the general vicinity.

The storage area will screen all equipment and products with a fence area as proposed and is in keeping with providing retail offerings in

a regional commercial district

c. How will the use be served adequately by essential public facilities and services such as highways, streets, police and fire protection, drainage structures, water and sewage facilities, refuse disposal and schools?

There will be no change in complete access that currently exists to the site as no changes to vehicular and emergency circulation, drive isle or parking configurations is being requested.

d. Will the use involve any uses, activities, processes, or materials potentially detrimental to the natural environment, public health, safety, or welfare by reason of excessive production of traffic, noise, vibration, smoke, fumes, odors, glare, or other such nuisance? If so, how will the impacts be mitigated?

No

e. Does the use have specific criteria as listed in the Zoning Ordinance (sections 3.03.02, 7.02.02, & 8.02.02)? If so, describe how the criteria are met.

Yes, this proposal fully complies with 7.02.02 (d) as required for outdoor storage areas

I HEREBY CERTIFY THAT ALL INFORMATION AND DATA ATTACHED TO AND MADE PART OF THIS APPLICATION ARE TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF. I AGREE TO DESIGN, CONSTRUCT AND OPERATE, AND MAINTAIN THESE PREMISES AND THE BUILDINGS, STRUCTURES, AND FACILITIES WHICH ARE GOVERNED BY THIS PERMIT IN ACCORDANCE WITH THE STATED REQUIREMENTS OF THE GENOA TOWNSHIP ZONING ORDINANCE, AND SUCH ADDITIONAL LIMITS AND SAFEGUARDS AS MAY BE MADE A PART OF THIS PERMIT.

THE UNDERSIGNED Martin Renel for property ownership STATES THAT THEY ARE THE FREE OWNER OF THE PROPERTY OF PROPERTIES DESCRIBED ABOVE AND MAKES APPLICATION FOR THIS SPECIAL LAND USE PERMIT.

BY:\_\_\_\_\_

ADDRESS: ASHMARK Construction IIc, 5640 West Maple Road Suite 300, West Bloomfield, MI 48322

**Contact Information -** Review Letters and Correspondence shall be forwarded to the following:

Martin Renel

Name

of ASHMARK Construction LLC at martin@ashmark.com **Business Affiliation** 

Email

#### FEE EXCEEDANCE AGREEMENT

As stated on the site plan review fee schedule, all site plans are allocated two (2) consultant reviews and one (1) Planning Commission meeting. If additional reviews or meetings are necessary, the applicant will be required to pay the actual incurred costs for the additional reviews. If applicable, additional review fee payment will be required concurrent with submittal to the Township Board. By signing below, applicant indicates agreement and full understanding of this policy.

SIGNATURE: DATE: January 3, 2018

PRINT NAME: Martin Renel PHONE: 248 855-1575



## GENOA CHARTER TOWNSHIP Application for Site Plan Review

#### TO THE GENOA TOWNSHIP PLANNING COMMISSION AND TOWNSHIP BOARD:

| APPLICANT NAME & ADDRESS: Family Farm and Home  |
|---|
| If applicant is not the owner, a letter of Authorization from Property Owner is needed.   |
| OWNER'S NAME & ADDRESS:   |
| SITE ADDRESS: 3685 E Grand River Ave PARCEL #(s):   |
| APPLICANT PHONE: $\frac{248855-1575}{1000000000000000000000000000000000000$   |
| OWNER EMAIL:  |
| LOCATION AND BRIEF DESCRIPTION OF SITE: The site is An existing shopping center known as  |
| Grand River Plaza located north of S Latson Road on Grand River Road. The tenant wishes to improve a  |
| retail space once occupied by TJ Maxx.  |
|   |
| BRIEF STATEMENT OF PROPOSED USE:  |
| foot print is planned. The improvements include the renovation of the interior retail space as well as hard scaping a side yard (7,331 SF OR .17 AC)            |
| to the south for a fenced exterior storage area, a reuse of an existing parking area as storage and the removal of a trash compactor enclosure,                 |
| screen fencing at the existing building entry and new loading dock door The requested outdoor fenced areas are for the purpose of storing products for sale.    |
| THE FOLLOWING BUILDINGS ARE PROPOSED:   |
|   |
|   |
|   |
| I HEREBY CERTIFY THAT ALL INFORMATION AND DATA ATTACHED TO AND MADE<br>PART OF THIS APPLICATION IS TRUE AND ACCURATE TO THE BEST OF MY<br>KNOWLEDGE AND BELIEF. |

BY:

ADDRESS: ASHMARK Construction IIc, 5640 West Maple Road Suite 300, West Bloomfield, MI 48322

| Contact Information - Rev | iew Letters and Correspondence shall be forward | ed to the following:  |
|---------------------------|---|-----------------------|
| 1.) Martin Renel          | of ASHMARK Construction                         | at martin@ashmark.com |
| Name                      | Business Affiliation                            | E-mail Address        |

| FEE EXCE   | EDANCE AGREEMENT   |
|--|--|
| one (1) Planning Commission meeting. If addit<br>will be required to pay the actual incurred costs | all site plans are allocated two (2) consultant reviews and<br>tional reviews or meetings are necessary, the applicant<br>s for the additional reviews. If applicable, additional review<br>ubmittal to the Township Board. By signing below,<br>unding of this policy.<br>DATE: January 3, 2018 |
| PRINT NAME: Martin Renel   | PHONE: 248 855-1575  |
|  | uite 300, West Bloomfield, MI 48322  |

#### GENOA CHARTER TOWNSHIP PLANNING COMMISSION PUBLIC HEARING APRIL 9, 2018 6:30 P.M. MINUTES

<u>CALL TO ORDER</u>: The meeting of the Genoa Charter Township Planning Commission was called to order at 6:30 p.m. Present were Chairman Doug Brown, Jim Mortensen, Eric Rauch, Chris Grajek, Jill Rickard and Marianne McCreary. Absent was John McManus. Also present was Kelly VanMarter, Community Development Director/Assistant Township Manager, Brian Borden of LSL Planning, Gary Markstrom of Tetra Tech, and an audience of 11.

PLEDGE OF ALLEGIANCE: The pledge of allegiance was recited.

#### APPROVAL OF AGENDA:

**Moved** by Commissioner Grajek, seconded by Commissioner Mortensen, to approve the agenda as presented.

CALL TO THE PUBLIC: The call to the public was made at 6:32 pm with no response.

#### OLD BUSINESS

OPEN PUBLIC HEARING # 1... Review of a special use, site plan and environmental impact assessment for a proposed commercial outdoor display, sales and storage area for a new Family Farm and Home store. The property in question is located in the former TJ Maxx retail space at 3685 E. Grand River Avenue, Howell 48843. The request is petitioned by Family Farm and Home.

Planning Commission Recommendation of Petition:

- A. Recommendation of Special Use Application.
- B. Recommendation of Environmental Impact Assessment (1-4-18).
- C. Recommendation of Site Plan (3-29-18).

Mr. Martin Renel of ASHMARK Construction and Mr. Jeff Smith, representing the property owner, were present. They believe that they have addressed all of the concerns from the last meeting. Mr. Renel reviewed the revisions that have been made.

Mr. Borden agrees that the outstanding items have been addressed, specifically the reduction in impervious surface, ensuring the sidewalk is at least seven-feet-wide between the building and the fence, and providing the cross access easement to the Meijer property to the east. He noted that the Planning Commission will have to approve the screen fencing in lieu of Buffer Zone B.

Mr. Markstrom agrees that the applicant has noted on the plans that they will provide a cross access easement for future connection to the Meijer property to the east; however, they have not provided the legal description and paperwork. He noted that since the impervious surface was reduced, the applicant's detention basin calculations will need to be revised.

Additionally, since the latest set of plans was submitted today, he has not been able to review the fire hydrant details; however, they should meet MHOG requirements. He will need to review the calculations for the change in curbing on the east side of the site to determine if they meet the turning radius requirements. He believes he can do this prior to this item being presented to the Township Board.

Chairman Brown reviewed the Brighton Area Fire Department's letter dated April 3, 2018. Mr. Renel stated he spoke with Mr. Boisvert after he received that letter and they have complied with and/or clarified his concerns and comments.

The Call to the Public was made at 6:59 pm.

Ms. Bobbi Squires, who is a resident of Genoa Township, has concerns regarding Family Farm and Home. She is concerned with the overall quality of the plaza, specifically the lighting. She would like the applicant to address the safety of the plaza due to the robbery that occurred at one of their stores in Cedar Springs where guns were stolen. She questioned if they plan to offer a competitive retail wage and asked how many employees they plan to hire. The community should welcome development; however, this plaza has a lot of problems, and the existing business owners deserve a safe plaza. There are also many other similar retailers in the area that offer the same types of products. This causes a saturation of the market. She believes the Township needs to bring different types of businesses to the area.

Commissioner Mortensen stated the only reason this item is before the Planning Commission is because the applicant would like to have outside storage. If that was not proposed, the property owner would be able to move one retailer out and another one in. He agrees with Ms. Squires' comments regarding the overall condition of the plaza; however, the Township has limited ability to require the property owner to make improvements. He believes that the proposed business is a quality company.

The call to the public was closed at 7:10 pm.

**Moved** by Commissioner Mortensen, seconded by Commissioner Rickard, to recommend to the Township Board approval of the Special Land Use Application from Family Farm and Home for outside storage at the former TJ Maxx site, subject to the following:

- Compliance with the site plan descriptions and conditions noted on the site plan dated March 2, 2018 and revised April 9, 2018, which may be subject to further modifications prior to it being presented to the Township Board of Trustees meeting.
- The conditions of the Special Land Use Permit shall be as contained in the Environmental Impact Assessment dated January 4, 2018 with the specific condition that the materials stored outside will not be in an opened condition, which means they will be as packaged by the supplier.
- This recommendation is made because the Planning Commission believes that the conditions of Sections 19.03 and 7.02.02 (d) of the Township Ordinance are met.
- The applicant will maintain a five-foot clearance along the front of the building for pedestrian circulation.

The motion carried unanimously.

**Moved** by Commissioner Mortensen, seconded by Commissioner Grajek, to recommend to the Township Board approval of the Environmental Impact Assessment dated January 4, 2018 from

## Family Farm and Home for outside storage at the former TJ Maxx site. The motion carried unanimously.

**Moved** by Commissioner Mortensen, seconded by Commissioner Grajek, to recommend to the Township Board approval of the Site Plan dated March 29, 2018 from Family Farm and Home for outside storage at the former TJ Maxx site, with minor revisions made on April 9, 2018 subject to the following:

- The cross-access easement shown on the site plan will require the petitioner to develop language satisfactory to the Township Attorney regarding the easement, which will be completed prior to issuance of a land use permit.
- Any signage proposed will require the approval and a permit from the Township prior to installation.
- The location of the fire hydrant and confirmation of the location of the water main will be done with the Township Engineer and Brighton Area Fire Authority prior to it being presented to the Township Board of Trustees meeting.
- The drive aisle curve will be examined and either redesigned or confirmed that an easement on the Wendy's property exists permitting that location. If the drive aisle curve and hydrant location require minor adjustments to the site plan, it can be approved by the Township Engineer and staff prior to it being presented to the Township Board of Trustees meeting.
- A revised site plan shall be provided and revised and approved by the Township Engineer prior to it being presented to the Township Board of Trustees meeting. The motion carried unanimously.

OPEN PUBLIC HEARING #2... Review of a sketch plan for a proposed pavilion and canopy located at the existing Oak Pointe Country Club located at 4500 Club Drive, Brighton. The request is petitioned by Ventures Design.

Planning Commission Disposition of Petition:

A. Disposition of Sketch Plan. (3-16-18)

Mr. Loch Durrant and Mr. Jacob Lubig of Ventures Design were present. Mr. Durrant stated they are proposing to build accessory structures around the pool area in Oak Point. They would like to put in covered seating, an open air pavilion, and a brick paver patio.

They have provided the fire retardant information this evening as required by the Brighton Area Fire Department.

They questioned if the 10-foot setback requirement is for the overhang or the wall. Ms. VanMarter stated it is to the building wall. It was concluded that the setback will therefore be met.

Mr. Borden stated that the concerns in his letter dated March 28, 2018 have been met.

Mr. Markstrom stated that the petitioner has not provided site drainage calculations to include the additional impervious surfaces. Mr. Durrant provided the information of how the surface water will flow on the site. Mr. Markstrom is satisfied with what Mr. Durrant has provided.

The Call to the Public was made at 7:36 pm with no response.

**Motion** by Commissioner Mortensen, seconded by Commissioner Grajek, to approve the Sketch Plan dated March 16, 2018 for a proposed pavilion and canopy located at the existing

#### GENOA CHARTER TOWNSHIP PLANNING COMMISSION PUBLIC HEARING MARCH 12, 2018 6:30 P.M. MINUTES

<u>CALL TO ORDER</u>: The meeting of the Genoa Charter Township Planning Commission was called to order at 6:30 p.m. Present were Chairman Doug Brown, Jim Mortensen, Eric Rauch, Chris Grajek, Jill Rickard and Marianne McCreary. Absent was John McManus. Also present was Kelly VanMarter, Community Development Director/Assistant Township Manager, Brian Borden of LSL Planning, Gary Markstrom of Tetra Tech, and an audience of 17.

PLEDGE OF ALLEGIANCE: The pledge of allegiance was recited.

#### APPROVAL OF AGENDA:

**Moved** by Commissioner Grajek, seconded by Commissioner Mortensen, to approve the agenda as presented.

CALL TO THE PUBLIC: The call to the public was made at 6:32 pm with no response.

#### OLD BUSINESS

OPEN PUBLIC HEARING #1... Review of a special use, site plan and environmental impact assessment for a proposed commercial outdoor display, sales and storage area for a new Family Farm and Home store. The property in question is located in the former TJ Maxx retail space at 3685 E. Grand River Avenue, Howell 48843. The request is petitioned by Family Farm and Home.

Planning Commission Recommendation of Petition:

- A. Recommendation of Special Use Application.
- B. Recommendation of Environmental Impact Assessment (1/4/18).
- C. Recommendation of Site Plan (2/22/18).

Mr. Martin Renel of ASHMARK Construction and Mr. Jeff Smith, representing the property owner, were present. Mr. Renel reviewed the changes they made based on the comments from last month's meeting. They addressed the stormwater control, the dumpster enclosure, the fencing, and they added the required details to the plan, and blocks to some of the parking spaces.

Mr. Borden reviewed his letter of March 6, 2018.

They find that the general standards of the Special Land Use have been met; however, there are some items required for the use conditions have not. Specifically, the setback requirement for the proposed trailer storage area is not provided and the the trailer storage area is only

screened on three sides. He noted that the Planning Commission can allow screen fencing in place of the Buffer Zone B requirement.

Additional requirements that need to be met are:

- Impervious surface calculations must be provided. It was noted that the applicant provided this to the Township this afternoon. Mr. Borden reviewed the calculations and there is now more impervious surface being proposed.
- The amount of parking remaining after the removal of spaces meets the ordinance.
- He is suggesting a cross-access easement be provided on the subject site allowing future connection with the development to the east.
- He is recommending the applicant be required to maintain at least 5 feet of clearance along the front of the building. The plans were reviewed this evening and there is 6 feet of clearance.
- The parking blocks proposed along the south side of the 8-foot screen fencing reduce the drive aisle width below Ordinance standards and could pose problems for snow plowing.

Commissioner Rauch would vote to approve the setback requirement being waived for the trailer storage area because of its unique location. It is at the rear of a Wendy's restaurant and there is a dumpster in this area. He thanked the petitioner for altering the fencing, and adding the pillars and the screening for the trailer storage area.

Commissioner Rickard stated that the setbacks should be met. Chairman Brown agrees. There may be a time when Wendy's is no longer there and another business occupies the site.

Commissioner Mortensen does not approve of the proposed fence or the trailer storage area, which would need more fencing.

There was a discussion regarding redesigning the area to the south of the building where the trailer storage area is being proposed in order to meet the ordinance requirements that are lacking.

Mr. Smith stated they would like to receive direction from the Planning Commission tonight. It was discussed to have the Planning Commission approve the Special Land Use without approving the trailer storage. A variance would need to be obtained from the Zoning Board of Appeals. Mr. Eugene Franks from Family Farm and Home suggested the trailer storage be in the parking spaces adjacent to the building on the south side, removing the curbing for the other parking area adjacent to Wendy's property, and converting it into a 26-foot wide drive aisle. Ms. Van Marter suggested that the Fire Authority review these plans. She asked if all of the parking spaces are needed for the trailer storage. She suggested some of the spaces be left for customers wishing to park in the area if they are interested in looking at the trailers.

Commissioner Rauch brought up the issue of the cross access drive. Mr. Smith stated that the property owner would be willing to grant the easement to Meijer if they were to pay for the driveway to be constructed.

There was a discussion regarding the increase in impervious surface. The applicant will need to add green space on the site to accommodate the additional impervious area.

Commissioner Rickert would like to see the revised plans. Commissioner Mortensen agrees.

The Call to the Public was made at 7:59 pm.

Mr. Kathy Termors is one of the owners of Kolt Jewelers. She would like this project to be approved. This center needs more tenants.

Robert Huffman stated that he and his wife own BC Comix and Games. He would like this project to be approved.

The call to the public was closed at 8:01 pm.

**Moved** by Commissioner Grajek, seconded by Commissioner Mortensen, to table the request for a special use, site plan, and environmental impact assessment for a proposed commercial outdoor display, sales, and storage area for a new Family Farm and Home store located at 3685 E. Grand River Avenue, Howell 48843 until the April 9, 2018 meeting with the intention the petitioner will satisfactorily address the items discussed this evening.

#### NEW BUSINESS

OPEN PUBLIC HEARING #2... Review of site plan and environmental impact assessment for a proposed 2,254 sq. ft. addition to the existing ALDI Food Market located at 2260 E. Grand River Ave., Howell. The request is petitioned by ALDI Inc.

Planning Commission Recommendation of Petition:

- A. Recommendation of Environmental Impact Assessment (2-23-18)
- B. Disposition of Site Plan (2-21-18)

Mr. Christopher Grzenkowicz with Desine Inc. and Mr. Sam Glennen of Aldi were present. Mr. Grzenkowicz provided a review of their proposed project. They would like to completely remodel the inside of the store and add an approximate 2,254 square foot addition to the east of the building. They will also be adding additional parking spaces, resurfacing the entire parking lot, replacing the parking lot lighting with LED lights, replacing and adding additional landscaping, and replacing the existing monument sign. They are requesting side and rear parking setback waivers for six of their spaces. He showed colored renderings and a site plan.

They will also need approval for the increase of parking spaces. Aldi's corporate standard for parking is 75 spaces at a minimum and 95 as a requirement. Mr. Borden stated the maximum allowed by ordinance is 91 spaces. The Planning Commission will need to approve the additional four spaces.

Mr. Borden reviewed his letter of February 28, 2018. The applicant has met all of the requirements of the ordinance. The only outstanding issues are Planning Commission discretionary items. As Mr. Grzenkowicz stated, the Planning Commission must approve the waiver of the side and rear parking setbacks, the approval of the four additional parking spaces, and the building elevations, materials, and colors.

Mr. Markstrom stated the applicant has addressed all of their concerns.

The call to the public was made at 8:25 pm with no response.

**Moved** by Commissioner Mortensen, seconded by Commission Rauch to recommend to the Township Board the Environmental Impact Assessment dated February 23, 2018 for a 2,254 sq. ft. addition to the existing ALDI Food Market located at 2260 E. Grand River Ave., Howell. **The motion carried unanimously**  OPEN PUBLIC HEARING # 3... Review of a special use, site plan and environmental impact assessment for a proposed commercial outdoor display, sales and storage area for a new Family Farm and Home store. The property in question is located in the former TJ Maxx retail space at 3685 E. Grand River Avenue, Howell 48843. The request is petitioned by Family Farm and Home.

Planning Commission Recommendation of Petition:

- A. Recommendation of Special Use Application.
- B. Recommendation of Environmental Impact Assessment (01/04/18).
- C. Recommendation of Site Plan (01/24/18).

Mr. Martin Renel of Ashmark Construction and Robert Kerr of Metro Group Architects were present.

Mr. Renel provided a review of the project and the proposed use. They would be performing minor renovations on the interior of the building. They would be adding an outdoor display area and reconstructing the dumpster enclosure.

Mr. Borden reviewed his letter of February 6, 2018.

They find that the general standards of the Special Land Use have been met.

The screening for the outdoor storage area is required to be six-feet high and the applicant is proposing four-foot high fencing. The Planning Commission can approve the difference.

He is asking for clarification for what the applicant is calling the outdoor staging area. It appears to be an additional outdoor storage area. Mr. Renel stated that since the submittal was made, they have confirmed with Family Farm and Home that this area will be storage so the fencing will need to be extended to include this, which is an additional 19 feet.

There was a discussion regarding the removal of some of the grass area and then the same amount of grass area being replaced by removing parking spaces and adding turf. Commissioner Mortensen questioned if this would affect the parking. Ms. VanMarter stated there is sufficient parking on this site.

Commissioner Mortensen asked that the proposed white PVC fencing being redesigned. Mr. Borden noted that this fencing is also being proposed for the dumpster enclosure area and it is not an approved material. Mr. Eugene Franks of Family Farm and Home stated that there are dumpsters along the back of the building and none of them have enclosures. Mr. Renel stated they could use wood for the enclosure.

Commissioner Rauch asked staff for their experience with other commercial businesses in the Township who have outdoor storage. Ms. VanMarter stated the Township has had continued problems with businesses that have not complied with the ordinance as it pertains to outdoor

storage for retail uses. Commissioner Rauch wants to ensure that there is sufficient screening on the front of this building so the same problem does not occur here.

Mr. Borden noted that the architectural plan and the engineering plan are not consistent.

There was a discussion regarding the completion of the cross access driveway to the property to the east. The applicant has declined to finish the driveway to connect the two properties. Ms. VanMarter stated that the connection is the responsibility of Meijer; however, at the time it was developed, they were not given an easement from Kroger. Mr. Markstrom stated there is a large grade change in this area so significant work would need to be done to connect these two properties.

Mr. Markstrom reviewed his letter dated January 30, 2018. He would like to see flow direction shown for the storm-water runoff. The trade-off of the paving and turf is a viable alternative; however, he suggested the applicant look at the entire site it could possibly be determined that there may be sufficient impervious surface so there may not be a need to remove the parking spaces.

He needs to see a complete site plan with details, such as foundation details, curbing details, etc.

Chairman Brown reviewed the Brighton Area Fire Authority letter dated February 1, 2018. The applicant has agreed to meet all of their requirements.

The call to the public was made at 8:08 pm.

Mr. Eric Unatin with Mid-American Real Estate has been working on this lease. Their experience over the past 18 months since this site has been vacant has been that Family Farm and Home has been the only company interested. He noted the discussion regarding the material for the fencing and the dumpster enclosure and stated there are costs associated for both the property owner and the tenant when a new owner moves into a space and it must be economical for both of them.

The call to the public was closed at 8:12 pm.

Commissioner McManus agrees with what Mr. Unatin said; however, the Planning Commission needs to ensure that the ordinance is met. He agrees that the proposed fencing needs to be upgraded.

**Moved** by Commissioner Mortensen, seconded by Commissioner Rauch, table the request for a special use, site plan and environmental impact assessment for a proposed commercial outdoor display, sales and storage area for a new Family Farm and Home store located at 3685 E. Grand River Avenue, Howell 48843 until the March 12, 2018 meeting. The motion carried unanimously.

## ASHMARK Construction, LLC

April 30, 2018

Genoa Charter Township 2911 Dorr Road Brighton, MI 48116

ATTN: Kelly VanMarter

RE: Family Farm & Home-Special Land Use and Site Plan Approval

Dear Kelly,

Please find our below summary of changes per the attached latest submission dated 4/30/18:

#### **Summary**

- The plans have been completed to a "Fully Engineered" state including:
  - Exact location of all utilities including Water main. (as requested by Planning Commission)
  - Exact location of existing hydrants.
  - Full site survey and topo completed.
  - o Additional demo plans and details added
- Drive at East curb changed to ensure all work remain on our property.
- Updated Detention pond basin due to the reduction on impervious area.

<u>Please note:</u> Easement information as labeled in plans "to follow" is being compiled; and will be incorporated into the plans within a few days,

Should you require any additional information please do not hesitate to contact me.

Sincerely,

#### ASHMARK CONSTRUCTION, LLC

Martin J. Renel Managing Member



May 1, 2018

Ms. Kelly VanMarter Genoa Township 2911 Dorr Road Brighton, MI 48116

#### Re: Family Farm and Home Site Plan Review #5

Dear Ms. VanMarter:

Tetra Tech performed a fifth site plan review of the Family Farm and Home proposed site located at 3685 East Grand River Avenue (Grand River Plaza Shopping Center) in Howell. The petitioner is proposing to modify an existing retail outlet to meet the retail needs of a Family Farm and Home store. The submission included site plans with the latest revision date of April 27, 2018.

The petitioner has provided engineering drawings showing the improvements proposed to be made to the site to accommodate the outdoor storage area. They have also updated the storm drainage and detention calculations to reflect the actual site proposed conditions. We have reviewed the plans and have the following minor comments.

- 1. The area proposed for trailer storage should not be striped as shown on the site plan. Striping this area may confuse motorists of the intent of this area.
- 2. We suggest a protective bollard be placed on the end of the fence section of the trailer storage area to protect the fence from traffic.
- 3. A note should be added to the demolition plans to remove the existing tee for the hydrant being relocated and replace with a cutting in sleeve.
- 4. A note should be added to the new hydrant to install a tee, cutting in sleeve and valve on the existing main and to coordinate water shut offs for the work with MHOG operation staff.
- 5. The pipe for the new hydrant can be ductile iron Class 52.
- 6. On the Basin Standpipe Detail, the standpipe should be further into the bottom of the basin so the holes at the bottom of the basin are all in the gravel versus in the basin side slope.
- 7. The petitioner provided a note indicating the general location for a future cross-access connection with Meijer. The actual easement must be submitted as part of the land use permit process.

Ms. Kelly VanMarter Re: Family Farm and Home Site Plan Review #5 May 1, 2018 Page 2

Since our comments are fairly minor we would support approving the special use site plan with the condition that the petitioner will address the comments above prior to a land use permit being issued.

If you have any questions, please call.

Sincerely,

Gary J. Markstrom, P.E. Unit Vice President

Enclosure

copy: Martin Renel, Ashmark Construction

May 2, 2018

Kelly VanMarter Genoa Township 2911 Dorr Road Brighton, MI 48116

RE: Family Farm & Home 3685 E. Grand River Avenue Howell, MI 48843

Dear Kelly:

The Brighton Area Fire Department has reviewed the above mentioned site plan. The plans were received for review on April 30. The project is for the redevelopment of an existing 28,151 square foot Mercantile use occupancy that will changing occupant and renovating the structure to meet their needs. They are also proposing to redevelop a large greenbelt area and 19 parking spaces to be utilized as an outside storage and staging area. This review is for removal of parking for trailer storage and relocation of the drive aisle. The plan review is based on the requirements of the International Fire Code (IFC) 2018 edition.

- 1. The proposed relocated hydrant to the west end of the proposed drive aisle is to be relocated across the drive aisle to the North, on the corner of the new proposed area next to the trailer storage. (Hydrant location has been addressed.)
- 2. Based upon site visit and aerial imagery, the hydrant at the east end of the realigned drive aisle appears to be in the aisle, or on the immediate corner. This hydrant is not reflected on architecturals or engineering drawings. Greater detail of the location of the east hydrant needs to be shown. If the hydrant remains in the landscaped or curbed area is must be provided with proper buffer (MHOG Standard) or impact protection in accordance with Chapter 312 of the fire code. (Hydrant location has been addressed.)
- 3. The new outside storage area is not shown with the egress gates on the Alpine engineering plans, but is on the architecturals. Clarify whether or not this is drawing is for visual representation of the storage perimeter or construction. (Egress gates have been addressed.)

Additional comments will be given during the building plan review process (specific to the building plans and occupancy). The applicant is reminded that the fire authority must review the fire protection systems submittals (sprinkler & alarm) prior to permit issuance by the Building Department and that the authority will also review the building plans for life safety requirements in conjunction with the Building Department.

If you have any questions about the comments on this plan review please contact me at 810-229-6640.

Cordially,

Rick Boisvert, CFPS Fire Marshal



March 27, 2018

Planning Commission Genoa Township 2911 Dorr Road Brighton, Michigan 48116

| Attention: | Kelly Van Marter, AICP   |
|------------|--|
|            | Planning Director and Assistant Township Manager                                 |
| Subject:   | Family Farm and Home – Special Land Use and Site Plan Review #4                  |
| Location:  | 3685 East Grand River Avenue – north side of Grand River, west of S. Latson Road |
| Zoning:    | RCD Regional Commercial District   |

Dear Commissioners:

At the Township's request, we have reviewed the revised submittal from Family Farm and Home for special land use (application dated 1/30/18) and site plan (plans dated 3/20/18 from Alpine and 3/21/18 from Metro Group) review and approval.

We have reviewed the proposal in accordance with the applicable provisions of the Genoa Township Zoning Ordinance.

#### A. Summary

- 1. In our opinion, the special land use standards of Section 19.03 are generally met; however:
  - a. the use conditions of Section 7.02.02(d) must be met; and
  - b. any comments provided by the Township Engineer or Fire Department must be addressed.
- 2. In our opinion, the use conditions of Section 7.02.02(d) are met, provided that the Planning Commission may allow screen fencing in lieu of a buffer zone B.
- 3. The proposal results in an impervious surface calculation slightly above that allowed by Ordinance 76.9% vs. 75%.
- 4. We request the applicant confirm that the amount of parking provided (467 spaces) includes all of the spaces to be removed as part of this project.
- 5. We suggest a cross-access easement be provided on the subject site allowing future connection with the development to the east.
- 6. We recommend the applicant be required to maintain at least 7' of clearance along the front of the building for pedestrian circulation.
- 7. At such time as new signage is proposed, the applicant must obtain approval and a permit from the Township prior to installation.

#### B. Proposal/Process

The project entails a new business within an existing multi-tenant commercial center (the space was formerly home to a TJ Maxx store), as well as outdoor display, sales and storage. Table 7.02 lists outdoor commercial display, sales or storage as a special land use in the RCD. Such uses are also subject to the use conditions of Section 7.02.02(d).

Procedurally, the Planning Commission is to review the special land use, site plan and impact assessment and provide a recommendation on each to the Township Board following a public hearing. (The hearing was held at the February 12, 2018 Planning Commission meeting, though the request was tabled.)

Genoa Township Planning Commission Family Farm and Home Special Land Use and Site Plan Review #4 Page 2



Aerial view of site and surroundings (looking north)

#### C. Special Land Use Review

Section 19.03 of the Zoning Ordinance identifies the review criteria for Special Land Use applications as follows:

1. Master Plan. The Township Master Plan identifies the subject site, as well as the adjacent properties along Grand River, as Regional Commercial. This category is intended for "higher intensity commercial uses that serve the comparison shopping needs of the entire community and the regional market."

The description does not mention outdoor display, sales or storage, though it is worth noting that the large commercial store to the east has a somewhat similar accessory outdoor element to their business.

- 2. Compatibility. The area is developed with a variety of commercial uses. While outdoor uses do not appear to be overly prevalent in this area, the development adjacent to the east has a similar outdoor component (as noted above). Provided the use conditions for outdoor display, sales and storage are met, the proposal is generally expected to be compatible with the character of the area.
- **3. Public Facilities and Services.** As a developed site along the main commercial corridor through the Township, we anticipate necessary public facilities and services are in place; however, the Commission should consider any comments provided ty the Township Engineer and Brighton Area Fire Department.
- **4. Impacts.** The use conditions of Section 7.02.02(d) are intended to limit on- or off-site impacts of outdoor display, sales and storage. Provided those standards are met, the proposal should not create adverse impacts upon adjacent or surrounding properties and/or uses.
- **5. Mitigation.** If additional concerns arise as part of the review process, the Township may require efforts to mitigate potential adverse impacts.

Genoa Township Planning Commission Family Farm and Home Special Land Use and Site Plan Review #4 Page 3

#### D. Use Conditions

Commercial outdoor display, sales or storage uses are subject to the following use conditions of Section 7.02.02(d):

#### 1. Minimum lot area shall be one (1) acre.

The revised plans note a total site area of 26.5 acres.

## 2. Any stockpiles of soils, fertilizer or similar loosely packaged materials shall be sufficiently covered or contained to prevent dust or blowing of materials.

The second submittal noted that any such materials will be kept in the manufacturer's packaging; thus, there will not be any loosely stored materials.

3. All outdoor storage areas shall be paved with a permanent, durable and dustless surface and shall be graded and drained to dispose stormwater without negatively impact adjacent property. The Township Board, following a recommendation of the Planning Commission and the Township Engineer, may approve a gravel surface for all or part of the display or storage area for low intensity activities, upon a finding that neighboring properties and the environment will not be negatively impacted.

The site plan identifies paved surfaces for each of the outdoor storage and display areas – the main storage area (south of the building), the newly proposed trailer storage area, and the display area in front of the building.

4. No outdoor storage shall be permitted in any required yard (setback) of buildings for the district in which the outdoor display, sales or storage use is located. Any approved outdoor sales or display within a parking lot shall meet the required parking lot setback; provided the Planning Commission may require additional landscaping screening or ornamental fencing.

Section 7.03 requires setbacks of 50 (rear) and 20 feet (side). The main storage area provides 43-foot setbacks from both the east (side) and south (side) lot lines. The display area in front of the store is also well outside of required setbacks and the proposed trailer storage has been relocated such that it provides a compliant setback of approximately 28 feet from the south side lot line.

## 5. The site shall include a building of at least five hundred (500) feet of gross floor area for office use in conjunction with the use.

The plans note that the building space for the proposed business contains 28,151 square feet of floor area.

#### 6. All loading and truck maneuvering shall be accommodated on-site.

The site has existing vehicular access from Grand River and no changes are proposed. The plans show a new overhead door and loading area on the east side of the building facing north.

Sheet 2 of the Alpine Engineering submittal includes a truck turning movement diagram demonstrating that truck maneuvering can be accommodated on-site.
7. All outdoor storage area property lines adjacent to a residential district shall provide a buffer zone A as described in Section 12.02. A buffer zone B shall be provided on all other sides. The Planning Commission may approve a six (6) foot high screen wall or fence, or a four (4) foot high landscaped berm as an alternative.

The areas of the site impacted are to the south, east and west and include 3 separate outdoor storage/display areas – the main storage area south of the building; the trailer storage area immediately south of the main area; and the display area along the front of the building.

None of these areas provide a full buffer zone B, but are all proposed to be screened with privacy fencing of varying heights -8-foot for the main outdoor storage area and 4-foot for the trailer storage and display area in front of the building. The current plans also incorporate brick piers into the screen fencing to help break up the long stretches of white vinyl.

As noted under this criterion and previously discussed, the Planning Commission may allow screen fencing in lieu of a buffer zone B. (As was previously discussed, Section 12.02.13 gives the Commission the ability to allow 4-foot fencing as opposed to 6-foot.)

8. The height of all material and equipment stored in an outdoor storage area shall not exceed the height of any landscape screening, wall or fence. Boats and recreational vehicles may exceed the height of the fence provided that they are setback from the fence a distance equal to their height. Storage of materials up to the height of the adjacent building wall may be permitted in the rear yard if it is illustrated on the site plan, the rear yard does not abut a residential district or face an expressway, and such storage is confined to within twenty (20) feet of the building.

The special land use application states that "all stored items will not be stored higher than the screen provided."

### E. Site Plan Review

1. **Dimensional Requirements.** The only dimensional standards affected by the request are setbacks for the outdoor storage area (addressed above) and a slight increase in impervious surface lot coverage due to the removal of the landscaped area.

In order to mitigate the new impervious area for the main outdoor storage, a bank of 9 parking spaces on the far west side of the site will be removed and converted to landscaping.

A note on the Alpine Engineering plans identifies an existing and proposed impervious surface coverage of 75%; however, the calculation for the proposed coverage actually results in 76.9%, which slightly exceeds the Ordinance limitation of 75%. This must be clarified and/or corrected for compliance.

- **2.** Building Materials and Design. The proposal includes repairs to and painting of the building. The submittal states that the repairs will match the existing building.
- **3. Parking.** The current submittal includes parking calculations noting that the site requires 428 parking spaces, while 467 will be provided. Given discrepancies between previous submittals, we request the applicant confirm that the amount of parking noted includes all of the spaces to be removed as part of this project.
- 4. Pedestrian and Vehicular Circulation. As discussed at previous Planning Commission meetings, we suggest the owner of the subject site be required to provide a cross-access easement for a future connection to the development east of the subject site.

Genoa Township Planning Commission Family Farm and Home Special Land Use and Site Plan Review #4 Page 5

Additionally, the applicant must maintain a clear pedestrian area in front of the building given the presence of outdoor display. The nearest point between the screen fencing and building is 7 feet. We suggest a condition that this area will remain clear of any display/storage items.

- **5.** Landscaping. The submittal identifies two new planters along the south side of the outdoor storage area. The planters will each contain a 10' tall Arborvitae.
- 6. Waste Receptacle and Enclosure. The plan includes a new waste receptacle/enclosure on the east side of the building. The details on Sheet A5.1 note the use of a wooden enclosure (cedar). The current submittal also identifies the concrete base pad, as required by Section 12.04.
- 7. Exterior Lighting. The revised submittal states that existing site lighting will remain and does not identify any new lighting proposed.
- **8.** Signs. Sign details are not provided, although the building elevation drawing (Sheet A5.1) identifies an area for a new wall sign.

When a new sign is desired for the business, the applicant will need to obtain approval and a permit from the Township prior to installation.

**9. Impact Assessment.** The original submittal included an Impact Assessment prepared by Ashmark Construction, LLC (not dated). In summary, the Assessment notes that the project is not anticipated to adversely impact natural features, public services/utilities, surrounding land uses or traffic.

Should you have any questions concerning this matter, please do not hesitate to contact our office. I can be reached by phone at (248) 586-0505, or via e-mail at <u>borden@lslplanning.com</u>.

Respectfully, LSL PLANNING, A SAFEBUILT COMPANY

Brian V. Borden, AICP Planning Manager



### Family Farm & Home Impact Assessment

a. Name(s) and address(es) of person(s) responsible for preparation of the impact assessment and a brief statement of their qualifications.

Martin J. Renel Principal at ASHMARK Construction LLC 5640 West Maple Suite 300 West Bloomfield, MI 48322 28 years of Commercial Development and Construction experience.

b. **Map(s) and written description/analysis of the project site** including all existing structures, manmade facilities, and natural features. The analysis shall also included information for areas within 10 feet of the property. An aerial photograph or drawing may be used to delineate these areas.

See submitted plans by Metro Group Architects detailing these areas.

c. **Impact on natural features:** A written description of the environmental characteristics of the site prior to development and following development, i.e., topography, soils, wildlife, woodlands, mature trees (eight-inch caliper or greater), wetlands, drainage, lakes, streams, creeks or ponds. Documentation by a qualified wetland specialist shall be required wherever the Township determines that there is a potential regulated wetland. Reduced copies of the Existing Conditions Map(s) or aerial photographs may accompany written material.

The current site is an existing shopping center; the tenant is taking over the previous TJ Maxx location. We are requesting approval of creating an outside storage area for Family, Farm & Home Store. We do not intend any impact on the existing environmental conditions.

d. **Impact on stormwater management:** Description of measures to control soil erosion and sedimentation during grading and construction operations and until a permanent ground cover is established. Recommendations for such measures may be obtained from the Livingston County Drain Commission at (517) 546-0040.

We will install soil erosion control as required by Livingston County Drain Commission during construction activities of the exterior storage area. We will insure proper dust control during construction activities.

e. **Impact on surrounding land used:** Description of the types of proposed uses and other man-made facilities, including any project phasing, and an indication of how the proposed use conforms or conflicts with existing and potential development patterns. A description shall be provided of any increases of light, noise or air pollution which could negatively impact adjacent properties.

We do not intend to have any impact on surrounding lands; since the use is not changing.

f. **Impact on public facilities and services:** Describe the number of expected residents, employees, visitors, or patrons, and the anticipated impact on public schools, police protection and fire protection. Letters from the appropriate agencies may be provided, as appropriate.

The impact on public facilities and services shall be consistent with the former use.

g. Impact on public utilities: Describe the method to be used to service the development with water and sanitary sewer facilities, the method to be used to control drainage on the site and from the site, including runoff control during periods of construction. For sites serviced with sanitary sewer, calculations for pre- and post development flows shall be provided in comparison with sewer line capacity. Expected sewage rates shall be provided in equivalents to a single family home. Where septic systems are proposed, documentation or permits from the Livingston County Health Department shall be provided.

Please see Alpine Engineering letter dated January 3<sup>rd</sup> 2018 stating no impact on the existing stormwater system.

5640 W. Maple, Suite 101 West Bloomfield, MI 48322-3717 Phone: (248) 855-1575 Fax: (248) 538-5234 martin@ashmark.com

### January 4, 2018

h. Storage and handling of any hazardous materials: A description of any hazardous substances expected to be used, stored or disposed of on the site. The information shall describe the type of materials, location within the site and method of containment. Documentation of compliance with federal and state requirements, and a Pollution Incident Prevention Plan (PIPP) shall be submitted,

Outside storage area to consist of: landscape mulch & bark, landscape products, patio stone/rock/gravel, peat/soil/earth products, Pots & Planters.

i. Impact on Traffic and Pedestrians: A description of the traffic volumes to be generated based on national reference documents, such as the most recent edition of the *Institute of Transportation Engineers Trip Generation Manual*, other published studies or actual counts of similar uses in Michigan. A detailed traffic impact study shall be submitted for any site over ten (10) acres in size which would be expected to generate 100 directional vehicle trips (i.e. 100 inbound or 100 outbound trips) during the peak hour of traffic of the generator or on the adjacent streets. The contents of the detailed study shall include:

 $\Box$  Description of existing daily and peak hour traffic on adjacent street(s) and a description of any sight distance limitations along the right-of-way frontage of the site.

The impact on traffic and Pedestrians shall be consistent with the former use.

Forecasted trip generation of the proposed use for the a.m. and p.m. peak hour and average daily traffic generated.

### The impact on trip generation shall be consistent with the former use.

 $\Box$  For any project with a completion date beyond one year at the time of site plan approval, the analysis shall also include a scenario analyzing forecasted traffic at date of completion along the adjacent street network using a forecast based either on historic annual percentage increases and/or on expected development in the area.

### Our Completion date will not be beyond one year of approval.

Projected traffic generated shall be distributed (inbound v. outbound, left turn v. right turn) onto the existing street network to project turning movements at site driveways and nearby intersections. Rationale for the distribution shall be provided.

### The impact on traffic (inbound/outbound, left/right turns) shall be consistent with the former use.

Capacity analysis at the proposed driveway(s) using the procedures outlined in the most recent edition of the *Highway Capacity Manual* published by the Transportation Research Board. Capacity analyses shall be provided for all street intersections where the excepted traffic will comprise at least five-percent (5%) of the existing intersection capacity.

### The capacity analysis shall be consistent with the previously approved shopping center.

 $\Box$  Accident data for the previous three (3) years for roadway sections and intersections experiencing congestion or a relatively high accident rate, as determined by the township or staff from the Livingston County Road Commission or Michigan Department of Transportation.

### N/A – Since this site has been previously approved.

Analysis of any mitigation measures warranted by the anticipated traffic impacts. Where appropriate, documentation shall be provided from the appropriate road agency regarding time schedule for improvements and method of funding.

### N/A - Since this site has been previously approved.

 $\Box$  A map illustrating the location and design of proposed access, including any sight distance limitations, dimensions from adjacent driveways and intersections within 250 feet of the edge of the property frontage, and other data to demonstrate that the driveway(s) will provide safe and efficient traffic operation and be in accordance with Article 15.

### N/A – Since this site has been previously approved.

j. Special Provisions: General description of any deed restrictions, protective covenants, master deed or association bylaws.

None required.









NOTICE: CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR NEITHER THE OWNER NOR THE ENGINEER SHALL BE EXPECTED TO ASSUME ANY RESPONSIBILITY FOR SAFETY OF THE WORK, OF PERSONS ENGAGED IN THE WORK, OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

ANY OTHER PERSONS. MOTE: THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AS DISCORE BY AVAILABLE UTILITY COMPANY RECORDS AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE COMPANY. NO GUARANTE IS ETHERE EXPRESSED OF IMPLED ACAUTI LOCATION OF ALL EXISTING UTILITIES BEFORE COMMONSION OWNS, AND AGRESSIO EF FULLY RESPONSIBLE FOR ANY AND ALL DANAGES WHICH MIGHT BE COCASIONED BY THE CONTRACTOR'S ALUDE TO EXACUTU VLOCATE AND PERSERVE ANY AND ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY IF A CONFUCT IS APPARENT.

|   |                                       | THE REPORT OF EL DESCENT FULLEY, PLAN IRON CODO PEDECT<br>FOR AND AND AND AREA. 1 NON CODO PEDECT<br>SULLAW: CONTACTOR 10 ROUCH AND REPORT DURING AND<br>SULLAW: CONTACTOR 10 ROUCH AND REPORT DURING AND REPORT<br>SULLAW: CONTACTOR 10 ROUCH AND REPORT DURING AND REPORT DU   | NOTES:<br>1. ALL WORK TO CONFORM TO THE CURRENT<br>TANDARDS AND SPECIFICATIONS OF THE<br>1. OWNER MAY OR CONFORM TO THE CURRENT<br>1. OWNER TO THE DEAM WIGHT STATEMENT<br>2. OWNERATION TO READ WIGHT STATEMENT<br>3. OLEAN OUT DEBMS AS NECESSARY.<br>4. OWNERATION TO MAIL HEWRING SOL<br>CONFY DEFINE.<br>3. OLEAN OUT DEBMS AS NECESSARY.<br>4. OWNERATION TO MAIL HEWRING SOL<br>CONFY DEFINE.<br>3. OLEAN OUT DEBMS AS NECESSARY.<br>4. OWNERATION TO MAIL THE CONFY ONE<br>CONFY DEFINE.<br>3. OLEAN OUT DEBMS AS NECESSARY.<br>4. OWNERATION TO MAIL THE CONFY ONE<br>CONFY DEFINE.<br>3. OLEAN OUT DEBMS AS NECESSARY.<br>4. OWNERS AS NECESSARY.<br>5. OWNERS AS AS NECESSARY.<br>5. OWNERS AS NECESS | L SLIRVEYING COMMERCIAL<br>M EXUMPTING COMMERCIAL<br>M EXUMPTING STEP SHERE<br>M EXUMPTING SHERE<br>NOT PART SHERE<br>OUT PART SHERE<br>OUT PART SHERE<br>COMMERCIAL<br>SHERE<br>SHERE<br>OUT PART SHERE<br>OUT PART   |
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| OUTLET CALCULATIONS           OUTLET SIZEN FOR BANGPUL FLOOD<br>RELEASE BANGPUL FLOOD<br>NO MORE THAN REFUGIS           CALCULATE HAVERAGE RELEASE RATE WHICH WILL<br>SATEY THE RECURRENET:<br>Q <sub>1</sub> , ut = 4', ut   144.000           Q <sub>1</sub> , ut = 4', ut   144.000           Q <sub>1</sub> , ut = 4', ut   144.000           DetERMENT FOR BANGPUL FLOOD<br>DAGE THAN REFUGISED<br>ALCULATE HAVERAGE RELASE RATE WHICH WILL<br>SATEY THE RECURRENET:<br>Q <sub>1</sub> , ut = 4', ut   144.000           DetERMINE THE ORFICE AREA AREADED<br>DAGED ON THE ORFICE CALTON<br>A - (0 <sub>1</sub> , us )   000 ° 2001 (2 = 20 ± nu))         =         0.130 R <sup>2</sup> DETERMINE OF ORFICE CALTON<br>A - (0 <sub>1</sub> , us )   000 ° 2001 (2 = 20 ± nu))         =         0.130 R <sup>2</sup> DETERMINE OF ORFICE CALTON<br>A - (0 <sub>1</sub> , us )   000 ° 2001 (2 = 20 ± nu))         =         0.130 R <sup>2</sup> DETERMINE OF ORFICE CALTON<br>A - (0 <sub>1</sub> , us )   000 ° 2001 (2 = 20 ± nu))         =         0.130 R <sup>2</sup> DETERMINE OF ORFICE CALTON<br>A - (0 <sub>1</sub> , us )   1000 ° 2001 (2 = 20 ± nu))         =         0.130 R <sup>2</sup> DETERMINE OF ORFICE CALTON<br>A + (0 <sub>1</sub> , us )   1000 ° a         1.000 ° b         0.0000 ° b           OUTLET SIGNE OFFICIENCE DASE NOTE FOR THE<br>BANCILL VOLUME<br>BANCILL VOLUME<br>CALLATE THOUS DASE NOTE CALCULATIONS, THE<br>MAVINUM ALLOVABLE RELEASE RATE AT THE DESIGN<br>WATE LUCUE C Z <sub>20</sub> (5 = 0.5.00 ° c         5.30 ° c           OFFICE A CALCULATE AND UPS THE ALCOO<br>PER THE ORFICE THOUS DASE NOTE CALCULATIONS, THE<br>MAVINUM ALLOVABLE RELEASE RATE AT THE DESIGN<br>WATE LUCUE C Z <sub>20</sub> (5 = 0.5.00 ° c         5.30 ° c  |                                       |   | $ \begin{array}{ c c c c c c } \hline \hline 1 & 2 & 3 & 4 & 5 & 6 & 7 \\ \hline \hline \\ \hline$   | The set mark construction, LLC     Ast mark construction, LLC       ETENTION BASIN IMPROVEMENT PLAN     Enternant       FAMILY FARM AND HOME - 3683 E. GRAND RIVER AVE.     Enternant       FAMILY SERVER SET CONSISTING     Enternant   |
| $ \begin{split} A &= (Q_{am}) / (0.82 + SORT (2 + 32.2 + h_{am})) &= 0.469  \frac{8^4}{1} \\ D &= TERMINE DAMETER OF RISER OUTLET PPE: = 1.20.0 hchPROVER 4 / 100 holds. In the EVENCAL = 0.5464  \frac{8^2}{1} \\ RUI OF THE OUTLET TEL. A_0 &= 0.5404  \frac{8^2}{1} \\ OLLOLATE ACTUAL AVERAGE RELEASE RATE: & 0.570  cts = 5.3  cts bad within 10% - ck &= 0.20  cts = 5.3  cts bad within 10% - ck &= 0.20  cts = 5.3  cts bad within 10% - ck &= 0.20  cts = 5.20  cts = 5.3  cts bad within 10% - ck &= 0.20  cts = 5.20  cts = 5.3  cts bad within 10% - ck &= 0.20  cts = 5.20  cts = 5.3  cts bad within 10% - ck &= 0.20  cts = 5.20  cts = 5.2$ | NOTE: MAR GANE IS TO BE               | SIR *A*<br>SIGNATUL WHI 3* KNOHD STOK AND<br>HEN ORDER HIN ADD A STOKE<br>IFERSTAND, LTV 294.2<br>USD 35 STORM LEX 93.5<br>DETINION BASIN<br>BANSOL FOOD LIV 294.2<br>DETINION BASIN<br>BASIN BASIN BASIN<br>BASIN BASIN BASIN<br>BASIN BASIN BASIN<br>BASIN BASIN<br>BASIN BASIN BASIN<br>BASIN BASIN<br>BASIN BASIN BASIN BASIN<br>BASIN BASIN BASIN<br>BASIN BASIN BASIN BASIN BASIN<br>BASIN BASIN BASIN BASIN BASIN<br>BASIN BASIN BASIN BASIN BASIN<br>BASIN BASIN | 965.0 59.304 01.251 1.0 281.271<br>964.0 63.197 1.0 281.271<br>965.0 FFREEBOARD  | ВО-54-0 К ВУДЕ ВО-4-02<br>ВО-54-0 К ВУДЕ ВО-4-02<br>ВО-54-0 К ВУДЕ ВО-4-02<br>ВО-54-0 К ВУДЕ ВО-4-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04-02<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04<br>ВО-54-04  |



### Board Correspondence



2911 Dorr Road Brighton, MI 48116 810.227.5225 810.227.3420 fax genoa.org

### April 17, 2018

State of Michigan Department of Environmental Quality Water Resources Division Lansing District Office 525 West Allegan Street, 1<sup>st</sup> Floor, South Tower Lansing, MI 48933

> Site Name: Submission Number: Date:

47-645 Lucy Road- Howell HN5-KZWY-TSV8F April 16, 2018

To Whom It May Concern;

Genoa Charter Township is in receipt of your recent correspondence regarding the above referenced site. While this property is no longer in our jurisdiction due to a land transfer agreement with the City of Howell, we do have concerns with regard to a permit being issued to this petitioner. Our Township Planner, Kelly VanMarter, has reviewed this application. It appears that the petitioner desires an easy access to this site while going around the seasonal weight restriction along Lucy Road. Your permit would put the existing wetlands at additional risk while this property has already suffered contamination. An alternate solution to this request might be an improvement to Lucy Road.

Your response and final determination will be appreciated.

Sincerely,

Bculitte O Stelam

Paulette A. Skolarus, Clerk Genoa Charter Township

CC: Kelly VanMarter City of Howell, Clerk Genoa Township Board

**TREASURER** Robin L. Hunt

Bill Rogers

SUPERVISOR

Paulette A. Skolarus

### TRUSTEES

Jean W. Ledford H. James Mortensen Terry Croft Diana Lowe

MANAGER Michael C. Archinal

### State of Michigan Department of Environmental Quality

Water Resources Division Lansing District Office 525 West Allegan Street, 1st Floor, South Tower Lansing, Michigan 48933 517-284-6665

Site Name: 47-645 Lucy Road-Howell Submission Number: HN5-KZWY-TSV8F Date: April 16, 2018

### **PUBLIC NOTICE**

Mr. Vern Brockway, 645 Lucy Road, Howell, Michigan 48843, has applied to this office for a permit under authority of Part 301, Inland Lakes and Streams, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA). The applicant proposes to place approximately 40 cubic yards of clean fill in 286 square feet of wetland, and install three (3) 24-inch diameter, 32-foot long corrugated metal pipe culverts, buried 4.8 inches below the bed, for the purpose of constructing a 32-foot wide access road through 8.5 feet of wetland. Project will impact a total of 0.007 acre of wetland. The project is located at 645 Lucy Road, in T02N, R05E, Section 06, Genoa Township, Livingston County, Michigan.

### THIS NOTICE IS NOT A PERMIT

The proposed project may also be regulated by one or more additional parts of the NREPA that are administered by the Department of Environmental Quality (DEQ), Water Resources Division (WRD). The requirements of all applicable parts are considered in determining if a permit can be issued. When a permit application is received requesting authorization to work in or over the inland waters of the State of Michigan, pursuant to Part 303, of the NREPA, the NREPA provides that the DEQ submit copies for review to the department of public health; the city, village, or township and county where the project is to be located; the local soil conservation district; and any local watershed council organized under Part 311, Local River Management, of the NREPA. Additional notification is provided to certain persons as required by statute or determined by the DEQ.

Those persons wanting to make comments on the proposed project shall furnish this office with their written comments no later than 20 days from the date of this notice. Written comments will be made part of the record and should reference the above application number. Objections must be factual, specific, and fully describe the reasons upon which any objection is founded. Unless a written request is filed with the DEQ within the 20-day public comment period, the DEQ may make a decision on the application without a public hearing. The determination as to whether a permit will be issued or a public hearing held will be based on an evaluation of all relevant factors, including the public comments received and the effect of the proposed work on the public trust or interest, including navigation, fish, wildlife, and pollution. The specific permit decision criteria can be found in the parts of the NREPA applicable to this application and listed above. Copies of these parts of the NREPA are available on the public notice Web site. Public comments received will also be considered.

Public Notice: Mr. Vern Brockway Site Name: 47-645 Lucy Road-Howell Submission Number: HN5-KZWY-TSV8F Page 2 April 16, 2018

The entire copy of the public notice package may be viewed at the WRD's district office listed on the top of this public notice or online at:

https://miwaters.deq.state.mi.us/miwaters/#/external/publicnotice/search. To access the public notice page online, search for the public notice by location or applicant name, and view by clicking on the "Documents" tab. Comments may be sent electronically by clicking on the "Add Comment" tab. A hard copy of the public notice may be requested by calling the above number.

CC:

Mr. Vern Brockway, Applicant Ms. Julie Oakes, DNR, Wildlife Division Mr. Jim Baker, DNR, Fisheries Division Livingston County Clerk Genoa Township Clerk Livingston County Drain Commissioner Livingston County Health Department Livingston County Conservation District Local Postmaster Livingston County CEA Mr. Daniel Brockway Mr. David Miechiels Lucy Road Resources II, LLC AMICO Holdings, LLC Livingston County Clerks Office Michigan Department of Transportation Ms. Chris Kunkle, BWA Consulting

| NCY  | Previous USACE File Number  | Date  | FEB 1 4 2018  | DEQ File Number<br>HN5-KZWY-TSV8F   |  |
|--|---|---|---|---|--|
| AGENCY<br>USE  | USACE File Number   | Rece  | LANSING DISTRICT OFFICE   | Fee received \$   |  |
| All ite<br>Proje<br>Dime<br>All In<br>Map,                   | that all parts of this checklist are subm<br>ams in Sections 1 through 9 are complet<br>act-specific Sections 10 through 20 are<br>ansions, volumes, and calculations are p<br>formation contained in the headings for<br>, site plan(s), cross sections; one set m<br>loation fee is attached. | ited.<br>completed.<br>provided for all ir<br>the appropriate | npàct areas.<br>Sections (1-20) are addressed, and  | s identified attachments (✦) are included.  |  |
| 1 Pi   | roject Location Information For La  | titude, Longitud  | e, and TRS info anywhere in Michig  | en see <u>www.mcgi.stete.ml.us/wetlands/</u>  |  |
| Project /<br>145 Luc   | Address (road, if no street address)<br>cy Rd   | Zip Code<br>48843   | Municipality<br>(Townshlp//iliage/City)<br>Howell   | County<br>Livingston  |  |
| roperty  | y Tax Identification Number(s)  | Latitude  |   | Township/Range/Section (TRS)  |  |
|  | 8-100-005, 4717-06-100-002  |   | <u>42.58840729700091.</u> N   | T <u>2N</u> N or S; R <u>5E</u> E or W;   |  |
| Subdivlı<br>VA   | sion/Plat and Lot Number  | Longitude   | <u>-83.91403920646553</u> W   | Sec <u>6</u><br>OR Private Claim #  |  |
|  | pplicant and Agent Information  | 1.75 No. 201  |   |   |  |
| SCLUL.   | Applicant (individual or corporate name)  |   | Agent/Contractor (firm name   | and contact person)   |  |
|  | oad Resources LLC c/o Vern Brockw   |   | Chris Kunkle, BWA Consul  |   |  |
| Mailing  | Address 645 Lucy Road   |   | Mailing Address 10110 Tennyson Dr.  |   |  |
| City Ho  | owell State MI Z  | ip Code 48843   | City Plymouth   | State MI Zip Code 48170   |  |
|  | t Phone Number Fax<br>6-3820  |   | Contact Phone Number<br>248-822-0014  | Fax   |  |
|  | regairecycling@gmail.com  |   | E-mail ckunkle@bwawetlan  |   |  |
| his pro  | fect? + If no, attach letter(s) of authoriz   | ation from all pro  | n which this project is to be constru<br>perty owners including the owner of<br>Mailing Address   | cted and all property involved or impacted by<br>of the disposal site.  |  |
| Propen<br>Brockv   | y Owner's Name (If different from appl<br>vay   | ically vern   | Maining Provideos   |   |  |
| _  | t Phone Number 517-546-3820   |   | City  | State Zip Code  |  |
|  | roject Description  |   |   |   |  |
| Project  | Name Lucy Road Weltand Crossing   |   | Preapplication File Number  | NAP   |  |
| Name (   | of Water body unnamed wetland   |   | Date project staked/flagged   | 6.9.17  |  |
| an ii<br>a po<br>a st<br>a st<br>a le<br>Date<br>a ch<br>500 | oposed project is on, within, or involves<br>nland lake (5 acres or more)<br>ond (less than 5 acres)<br>ream, river, ditch or drain<br>gally established County Drain<br>e Drain was established<br>hannel/canal<br>) feet of an existing water body  | ☐ a Great   | Lake or Section 10 Waters<br>nd<br>ear floodplain<br>nated high risk eroslon area<br>nated critical dune area<br>nated environmental area | Project Use<br>private<br>commercial<br>public/government<br>project Is receiving federal/state<br>transportation funds<br>Wetland Restoration<br>coher |  |
|  |   | General Pern  | nit 🔲 Minor Project 🗵 Individua   | al (All other projects.) + See Appendix C.  |  |
| Place  <br>parcel  | n Summary of All Proposed Activities<br>approximatley 40 cubic yards of fill v<br>is of land owned by applicant. (The p<br>c 90' long by ave. 3.75' deep)   | vithin a 0.007 ad<br>proposed cross                           | cre ( 286 SF) weltand area to con<br>ing total dimansions crossing up   | struct a truck access road between two<br>lands and wetlands are approximately 28'  |  |
| The se   | me to be impacted is a shallow linear   | · emergent wetl   | and with scrub-shrub fringe. Dom  | inant wetland vegetation includes reed  |  |

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honeysuckle (Lonicera maackii).

Construction Sequence and Methods Sequence of construction will be: Install soll erosion control measures, install 3 culverts, install bunker block retaining walls, fill roadbed between retainig walls, install crushed limestone road bed, finish grade areas adjacaent to road crossing, seed and plant to stabilize the site, maintain all temporary and permanent control measures daily and as needed based on site inspections, notify the permitting agency for a final inspection when the project is completed

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Project Purpose, Use and Alternatives Attach additional sheets as necessary.

Describe the purpose of the project and its intended use; include any new development or expansion of an existing land use.

Construct an access road crossing a wetland area to provide truck access between 2 parcels of land owned by the applicant. The access road is necessary to allow for expansion of the existing recycling facility onto land immediately adjacent to it but separated by a wetland. Internal access between the 2 properties is necessary as there is no other viable truck access between them.

Describe the alternatives considered to avoid or minimize resource impacts. Include factors such as, but to limited to, alternative locations, project layout and design, and construction technologies. For utility crossings include alternative routes and construction methods.

The proposed wetland truck access crossing is necessary to provide access between two parcels northern and southern owned by the applicant that are separated by a linear wetland. The southern parcel supports a recycling facility that has been active for over 50 years. The adjacent northern parcel was purchased by the applicant specifically to meet expansion needs of the existing recycling facility. The applicant needs an internal truck access road for transporting scrap metal materials between the two parcels for processing and storage. The expanded recycling operations will involve the frequent movement of heavy trucks between the two parcels. As the recycling facility operates year-round, seasonal gross weight loading restrictions for Lucy Road preclude the use of this public access between the two properties. Therefore, an internal access point is essential for the continued operation and necessary expansion of the recycling facility.

The proposed crossing is to be located at the narrowest portion of the wetland and will incorporate concrete bunker block retaining walls on either side to minimize lateral fill. Three (3) 24" dia. x 32' long CMPs, burried 20% in existing wetland below crossing, is also proposed to provide for a natural substrate within the corridore to facilitate for fauna movement.

5 Locating Your Project Site Atlach a legible black and while map with a North arrow.

Names of roads of closest intersection

Lucy Road and E Grand River

Directions from main intersection to the project site, with distances from the best and nearest visible landmark and water body. The project site is situated on the east side of Lucy Road, approximately half of a mile south of East Grand River Ave. The proposed location of the crossing is approximately 400' east of Lucy Road, near the southern boundary of parcel 4717-08-100-005 and the northern boundary of parcel 4717-08-100-005.

| Description of buildings on the site (color; 1 or 2 story, other) | Description of adjacent landmarks or buildings (address; color; elc) |
|---|--|
| Regal Recycling sign on 2 story brown/green brick building        | NA   |

How can your site be identified if there is no visible address? Regal Recycling sign on 2 story brown/green brick building

6 Easements and Other Permits

No Ves Is there a conservation easement or other easement, deed restriction, lease, or other encumbrance upon the property?
If yes, attach a copy. Provide copies of court orders and legal lake levels if applicable.

List all other federal, interstate, state, or local agency authorizations including required assurances for Critical Dune Area projects.

| Agency         | Type of Approval | Number | Date Applied | Date approved /denied | Reason for denial |
|----------------|------------------|--------|--------------|-----------------------|-------------------|
| Livingston Co. | SESC             |        | ASAP         |                       |                   |
|                |                  |        |              |                       |                   |

7 Compliance

tf a permit is issued, when will the activity begin? (M/D/Y) ASAP Proposed completion date (M/D/Y) ASAP

No Ves Has any construction activity commenced or been completed in a regulated area?

➡ If Yes, identify the portion(s) underway or completed on drawings or attach project specifications and give completion date(s).

□ No □ Yes Were the regulated activities conducted under a DEQ and/or USACE permit?

♦ If Yes, list the permit numbers NA

X No C Yes Are you aware of any unresolved violations of environmental law or litigation involving the property?

+ If Yes, attach explanation.

| 8 Adjoining Property   | Owners Provide | current mailing addresses        | . Allach addilio  | nal sheets | labels for long lists. |
|--|----------------|----------------------------------|-------------------|------------|------------------------|
| Established Lake Board   | Contact Person | Mailing Address                  | C                 | City       | State and Zip Code     |
| List all adjoining property own<br>If you own the adjoining lot, p |                | ormation for the first adjoining | parcel that is no | t owned by | you.                   |
| Property Owner's Name  | ] [            | Aailing Address                  | ° (               | Olty       | State and Zip Code     |
| see attached   |                |                                  |                   |            |                        |

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| 9  | Applicant's Certification   | n Read carefu   | lly before signing.  | <b>计算机实现的</b> 是实现是  |
|--|---|---|--|---|
| ep<br>Pro<br>rev<br>sig<br>orc<br>all<br>not | plication; that it is true and accu<br>ogram. I understand that there<br>voked if information on this appli<br>ining this application, I agree to<br>der to inspect the proposed activ<br>other necessary local, county, s<br>t release me from the requirement | rate; and, to the beat of my knowl<br>are penalties for submitting false<br>(cation is untrue. I certify that I ha<br>allow representatives of the DEQ<br>vity site before and during constru-<br>tate, or federal permits and that t<br>ants of obtaining the permit reque-<br>trantee the issuance of a permit. | rein. I certify that I am familiar with the infor<br>edge, that it is in compliance with the State<br>information and that any permit issued pursi<br>ve the authority to undertake the activities p<br>, USACE, and/or their agents or contractors<br>ction and after the completion of the project<br>he granting of other permits by local, county<br>sted herein before commencing the activity. | Coastal Zone Management<br>uant to this application may be<br>proposed in this application. By<br>to enter upon said property in<br>. I understand that I must obtain<br>the state, or federal agencies does<br>I understand that the payment |
|  | Property Owner<br>Agent/Contractor<br>Corp. or Public Agency / Title  | Printed Name<br>Chris Kunkle  | Signature<br>Chategel A. Know  | Date<br>2.8.18  |

Joint Permit Application

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DEQ

| 10 Projects Impacting Inland Lakes, Streams   | s, Great Lakes,                                   | Wetlands or Floodplai   | ins in the second s |
|---|---|---|--|
| Complete only those sections A through M applica  |   |   |  |
| If your project impacts wetlands also complete Set  |   |   |  |
| <ul> <li>To calculate volume in cubic yards (cu yd), multipl<br/>and divide by 27. Example: (25 ft long x 10 ft wide</li> </ul>   | y the average len<br>x 2 feet deep) / :           | glh in feet (ft) times the ave<br>27 = 18.5 cubic yards       | arage width (ft) times the average depth (ft)  |
| Some projects on the Great Lakes require an appl  | ication for convey                                | ance prior to Joint Permit /                                  |  |
| → Provide a black and white overall site plan, with c   | oss-section and                                   | profile drawings. Show exis                                   | ting lakes, streams, wetlands, and other water   |
| features; existing structures; and the location of all prop<br>measures. Review Appendix B and EZ Guides for aid  | in providina com                                  | land change activities and<br>blete site-specific drawings.   | soil erosion and sedimentation control   |
| Provide tables for multiple impact areas or multiple  |   |   |  |
| Water Level Elevation   |   |   |  |
| On inland waters INGVD 29 INAVD 88  |   |   |  |
| On a Great Lake [] IGLD 85 [] surveyed [] o   | <ul> <li>Contraction and a state state</li> </ul> | oserved still water elevation                                 |  |
| <ul> <li>A. PROJECTS REQUIRING FILL (See All Sample<br/>Altach a site plan and cross-section views to scale     </li> </ul>   |   | um and quarens fill direase                                   | long with calculations   |
| <ul> <li>Altach a site plan and cross-section views to scale</li> <li>For multiple impact areas on a site provide a table</li> </ul>  | e with location, di                               | mensions and volumes for                                      | each fill area.  |
| Purpose  Dioengineered shore protect  | ction 🔲 boat                                      |   | Dividge or culvert   |
| 🗀 riprap  | 🗌 seaw  | all 🗋 swim area   | I other soll   |
| Dimensions of fill (ft)<br>Length 32' Width 8.5' Maximum Depth 3.75'  | Total vol<br>40                                   | iume (cubic yards)  | Volume below OHWM (cubic yards)<br>5.3   |
| Maximum water depth in fill area (ft) 0.5'  | Area fille  | ed (sq ft) <i>286</i>   | Will filter fabric be used under proposed fill?<br>No  Yes (If Yes, type)                                      |
| Fill will extend 4' feet into the water from the shoreline  | and upland 25 fe                                  | et out of the water.  |  |
| Type of clean fill 🛛 peastone % 🗌 san   | d %⊡g   | ravel % 🖾 other or  | n site solls   |
| Source of clean fill Commercial Source of clean fill  |   | , show location on site plan<br>attach description of locatio |  |
| <ul> <li>B. PROJECTS REQUIRING DREDGING OR EXC.</li> <li>Refer to <u>www.mi.gov/joinipermit</u> for spolls disposa</li> <li>Attach a site plan and cross-section views to scale</li> <li>For multiple impact areas on a site provide a table to a site provide a site provide a table to a site provide a site provide</li></ul> | l and authorizatio<br>showing maximu              | n requirements.<br>m and average dredge or e                  |  |
| Purpose Dott ramp   | boat well   | bridge or culv  |  |
|   | pond/basin  | □ other   |  |
| Dimensions (fl)   |   | Total volume (cu yds)   | Volume below OHWM (cu yds)   |
| Length Width Maximum Depth  |   |   | <u> </u>   |
| Has this same area been previously dredged?   | No Yes  | If Yes, provide date and                                      | permit number:   |
| Will the previously dredged area be enlarged?   | No Yes  | If Yes, when and how m  | uch?   |
| Is long-term maintenance dredging planned?  | 🗌 No 🔲 Yes  | If Yes, how often?  | <u>1</u> 2   |
| Dredge or Excavation Method   | chanical 🔲 oth                                    | 191   |  |
| Dredged or excavated spoils will be placed  | i 🗌 on-site 🛄                                     | landfill 🔲 USACE confine                                      | ed disposal facility 🔲 other upland off-site   |
| No. 2 1020 (2008)   | isposal area loca                                 | tion map and site plan with                                   | property lines.  |
|   |   | rty owner of spoils disposal                                  |  |
|   |   |   | ontaminants within the past 10 years?  |
| □ No □ Yes ⇒If Yes, provide test resu   |   |   |  |
| C. PROJECTS REQUIRING RIPRAP (See Sample  | e Drawings 2, 3, I                                | 8, 12, 14, 22, and 23)  |  |
| Riprap water ward of the ordinary high water mark: di   | mensions (ft) ler                                 | ngth width de   | epth Volume(cu yd)   |
| Riprap landward of the ordinary high water mark: dim  | ensions (ft) len                                  | gth width de  | pth Volume(cu yd)  |
| Type and size of riprap (inches)  |   | Will filter fabric or pea stor                                | ne be used under proposed riprap?  |
| 🗍 field stone 🔄 angular rock 🔄 🗋 othe   | r l   | 🗌 No 🔲 Yes, Type  |  |

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|  |   | The second s  |  |   | a second second second second second                                |   |
|--|---|---|--|---|---|---|
| Locat     For inf     Pro     Pro     Pro     Pro     PAlta     PAlta     Has the  | e your sit<br>formation<br>wide a de<br>inplete the<br>ach tables<br>ach at lea<br>DEQ con-<br>ofessions  | nat May Impact Wetlands (See Sample<br>e and wetland information with the DEQ We<br>on the DEQ's Wetland Identification Progra<br>tailed site plan with labeled property lines,<br>e wetland dredge and wetland fill dimension<br>s for multiple impact areas or activities.<br>st one cross-section for each wetland dredge<br>ducted a wetland assessment for this parce<br>of wetland delineation been conducted for the<br>c DEQ assessment on the areas of the | etlands Map Vie<br>am (WIP) visit <u>w</u><br>upland and wett<br>a information be<br>ge and/or fill are<br>al? | wer al <u>www.mcql.sta</u><br>ww.mi. <u>qov/wetlands</u><br>and areas, and dime<br>low for each impacte | ale.mi.us/wetlands/<br>ensions and volumes of we<br>d wetland area. | cross-section.<br>or WIP number: NA<br>with data sheets |
|  |   | d DEQ easement on the property?   |  |   |   | 9.2   |
|  |   | purchase the property before October 1, 19  | 807  |   | ➡ If Yes, provide docume  |   |
|  |   | mechanized land clearing proposed?  |  | No X Yes  | ➡ If Yes, label the location  | ons on the site plan.                                   |
| Has any<br>complete  |   | oposed grading or mechanized land clearing  | g oeen   | No 🗋 Yes  | If Yes, label the location  | ons on the site plan                                    |
|  | d Activity  | boardwalk or deck (Section 10I)   | Section 14)  | d culverts  | C designated environme  | ental area  |
|  |   | dewatering  | 🔲 draining su  | irface water  | 🛛 driveway / road   |   |
| fences (Section 10L)   |   | 🖾 fill or dredg   | le   | restoration   |   |   |
| 3  |   | septic system   | Section 10J)   | r discharge   | other   |   |
| FILL.  |   | Dimensions<br>maximum length (ft) 32.0°<br>maximum width (ft) 8.5'  | Area   | sq ft 286   | Average depth (ft)<br>3.75  | Volume (cu yd)<br>40                                    |
| Dimensions<br>maximum length (ft)<br>maximum width (ft)  |   | Area  |  | Average depth (ft)  | Volume (cu yd)  |   |
| Spoils<br>Disposal   |   | d or excavated spoils will be placed  | al area location r   | nep and site plan wi  |   |   |
| Septic<br>System   | 🖾 publ  | posed project will be serviced by:<br>Ic sewer [] private septic system   | the County Hea   | ith Department? [   |   |   |
| Describ<br>Place a<br>parcels<br>Constru<br>access<br>a wetta<br>The pro<br>applica<br>years.<br>facility.<br>proces<br>parcels<br>this pu | • Show system on plans.           If Yes, has a permit been issued?           No           Yes ⇒ Provide a copy of the permit.             Describe the wetland impacts, the proposed use or development, and the alternatives considered:           Place approximatiley 40 cubic yards of fill within a 0.007 acre ( 286 SF) weltand area to construct a truck access road between two         parcels of land owned by applicant.             Construct an access road crossing a wetland area to provide truck access between 2 parcels of land owned by the applicant. The         access road is necessary to allow for expansion of the existing recycling facility onto land immediately adjacent to it but separated by         a wetland. Internal access between the 2 properties is necessary as there is no other viable truck access between them.             The proposed wetland truck access crossing is necessary to provide access between two parcels northerm and southern owned by the         applicant that are separated by a linear wetland. The southern parcel supports a recycling facility that has been active for over 50         years. The adjacent northerm parcel was purchased by the applicant specifically to meet expansion needs of the existing recycling         facility. The applicant needs an internal truck access road for transporting scrap metal materials between the two         parcels. As the recycling facility operates year-round, seasonal gross weight loading restrictions for Lucy Road preclude the use of         this public access between the two properties. Therefore, an internal access point is essential for the continued operation and         necessary expansion of the recycling facility. |   |  |   |   |   |
|  |   | impact more than 1/3 acre of welland? 🛛<br>a Mitigation Plan with the type and amount   |  | oposed. For more in   | formation go to www.mi.go   | v/wetlands  |

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DEQ

### U.S. Army Corps of Engineers <u>www.lre.usace.armv.mil</u> Michigan Department of Environmental Quality <u>www.ml.gov/lointpermit</u> DEQ

Describe how impacts to waters of the United States will be avoided and minimized:

The proposed crossing is to be located at the narrowest portion of the wetland and will incorporate concrete bunker block retaining walls on either side to minimize lateral fill. Three (3) 24" dia. x 32' long CMPs, burrled 20% in existing wetland below crossing, is also proposed to provide for a natural substrate within the corridore to facilitate for fauna movement.

Describe how the impact to waters of the United States will be compensated. OR Explain why compensatory mitigation should not be required for the proposed impacts.

As the proposed impacts are well below the typical 1/3 acre minimum, we are asking for a waiver of the mitigation requirement.

U.S. Army Corps of Engineers www.ire.usace.armv.mil Michigan Department of Environmental Quality www.mi.gov/lointpermit

| Ah<br>Hig<br>+A<br>+F                     | mplete other applicable Sections, including 10A-C.<br>sydraulic analysis or hydrologic analysis may be required to fully assess impacts. Attach hydraulic<br>why Water Elevation - describe reference point and highest known water level above or below reference<br>Attach additional sheets for multiple bridges and/or culverts.<br>Provide detailed site-specific drawings of existing and proposed Plan and Elevation View at a scale a<br>Provide all information in the boxes below; do not write in a reference to plan sheets. Show reference | e point and date of<br>dequate for detailed<br>datum used on pla | d review.     |
|---|---|--|---------------|
|   | The site has a high water elevation (ft) above or a below the Reference Point of  | Date observed  |               |
| 185                                       | Reference datum used 🗌 NGVD 29 🔲 NAVD 88 🛄 IGLD 85 (Great Lakes coastal areas) 🔲  | olher  |               |
| Stream Information                        | Average stream width (ft) at the ordinary high water mark (OHWM) outside the influence of Us  | ostream<br>ownstream   |               |
| P   | Cross-sectional area of primary channel (sq ft) (See Sample Drawing 14C for more informa  | tion)  |               |
| 불   | The width of the stream where the water begins to overflow its banks. Bankfull width (ft)   | 9  |               |
| Strean                                    | The invert of the stream 100-feet from structure (ft)   | Upstream<br>Downstream   |               |
|   | Is the existing culvert perched? I No Yes If Yes, provide a profile of the channel bottom at I 200 feet upstream and downstream of the culvert.   | ne high and low po   |               |
|   | Complete this form for each bridge / culvert location.  | Existing   | Proposed      |
|   | Number of bridge spans  | ļ  | 25            |
| Post.                                     | Bridge type (concrete box beam, concrete I-beam, timber, etc.)  |  |               |
| E and                                     | Bridge span ( length perpendicular to stream) (ft)  |  |               |
| 90  | Bridge width (parallel to stream) (ft)  |  |               |
| Bridge                                    | Bottom of bridge beam (ft) Upstream   |  |               |
| 8   | Downstream  | n  |               |
|   | Stream invert elevation at bridge (ft) Upstream   |  |               |
|   | Downstream  | M  |               |
| 1013-22                                   | Bridge rise from bottom of beam to streambed (ft)   | 0  | 3             |
|   | Number of culverts  | NA NA  | circular      |
|   | Culvert type (arch, bottomless, box, circular, elliptical, etc.)  | NA   | CMP           |
| 1231                                      | Culvert material (concrete, corrugated metal, plastic, etc.)  | NA   | 32'           |
| t   | Culvert length (ft)   | NA   | 24"           |
| Culvert                                   | Culvert width & diameter (ft)   | NA   | 24"           |
| 河   | Culvert height prior to any burying (ft) Depth culvert will be buried (ft)  | NA S   | 4.8"          |
| 0   | Elevation of culvert crown (it) Upstream  | NA   | 98.0'         |
|   | Downstream  |  | 97.0'         |
|   | Higher elevation of I culvert invert OR istreambed within culvert (ft) Upstream   | NA   | 96.0'         |
|   |   |  | 95.0'         |
| al and                                    | Entrance design (mitered, projecting, wingwalls, etc.)  | NA   | projecting    |
|   | Total structure waterway opening above streambed (sq fl)  | NA   | 15.1          |
| and                                       | Total structure waterway area below the 100-year elevation (sq ft) (if known)   | NA   | NA            |
| S   | Elevation of road grade at structure (fi)   | NA   | 99.0'         |
| 9   | Elevation of low point in road (fi)   | NA   | 99.0'         |
| n n                                       | Distance from low point of road to mid-point of bridge crossing (ft)  | NA   | NA            |
| Ver                                       | Length of approach fill from edge of bridge/culvert to existing grade (ft)  | NA   | NA            |
| Complete for both Bridges and<br>Culverts | A Licensed Professional Engineer may certify that your project will not cause a harmful interference<br>and including the 100-year flood discharge. The "Required Certification Language" is found under<br>documents" link from the <u>www.mi.gov/jointpermit</u> page or a copy may be requested by phone, emis<br>supporting this certification may also be required.<br>Is Certification Language attached? No Yes  | "forms" on the "maj  | ps, forms and |

DEQ

Lucy Road Resources LLC 645 Lucy Road Howell, MI 48843 Phone 517-546-3820 regalrecycling@gmail.com

February 7, 2018

Don Berninger BWA Consulting 10110 Tennyson Drive Plymouth, MI 48393

RE: MDEQ Wetland Permit Application: Subm. Ref. # HN5-KZWY-TSV8F 645 Lucy Rd, Howell, Michigan 48843 – ID 4717-06-100-005, 4717-06-100-002 17-561 Lucy Road Wetland Crossing

Dear Mr. Berninger:

As the owner of property ID #4717-06-100-005, 4717-06-100-002 this letter will serve as authorization for BWA Consulting to act as my agent for the purpose of submitting correspondence and permit applications to the Michigan Department of Environmental Quality (MDEQ) and the City of Howell. Further, this letter authorizes the MDEQ and the City of Howell to access my parcel, upon notification and in the company of a representative of BWA Consulting and/or myself.

Sincerely,

Mr. Vern Brockway Property Owner and Applicant



10110 Tennyson Drive Plymouth, Michigan 48170 (248) 916-8688

### Lucy Road Wetland Crossing Project MDEQ Wetland Permit Application: Subm. Ref. # HN5-KZWY-TSV8F

| PIN             | Owner Name                               | Address              | City     | State | ZIP   |
|-----------------|--|----------------------|----------|-------|-------|
| 4717-01-200-004 | MARION TOWNSHIP                          | 2877 W COON          | HOWELL   | MI    | 48843 |
| 4717-06-100-003 | CITY OF HOWELL                           | 611 E GRAND          | HOWELL   | MI    | 48843 |
|                 |  | RIVER                |          |       |       |
| 4710-01-200-004 | BROCKWAY DANIEL E &<br>HOLMES BRADLEY    | 386 LUCY RD          | HOWELL   | MI    | 48843 |
| 4710-01-200-016 | MIECHIELS DAVID L &<br>IANET             | 405 S<br>NATIONAL ST | HOWELL   | MI    | 48843 |
| 4717-06-100-006 | LUCY ROAD RESOURCES II                   | 645 LUCY RD          | HOWELL   | MI    | 48843 |
| 4717-06-101-001 | AMICO HOLDINGS LLC                       | PO BOX 2099          | BRIGHTON | MI    | 48116 |
| 4711-06-100-039 | LIVINGSTON COUNTY<br>CLERK'S OFFICE      | 200 E GRAND<br>RIVER | HOWELL   | MI    | 48843 |
| 4717-06-300-005 | MICHIGAN DEPARTMENT<br>OF TRANSPORTATION | PO BOX 30050         | LANSING  | MI    | 48909 |

Adjacent, Riparian or Impacted Property Owners

### Impact Summary Table

The proposed project involves construction of a wetland crossing on property owned by Lucy Road Resources. This involves limited impacts to State regulated wetlands.

| IMPACT<br>AREA | AREA<br>(S.F.) | FILL<br>VOL.<br>(C.Y.) | CUT<br>VOL.<br>(C.Y.) | AVG.<br>DIMENSIONS |
|----------------|----------------|------------------------|-----------------------|--------------------|
| WL #1          | 286            | 40                     | 0                     | 32' x 8.5' x 3.75' |

ENVIRONMENTAL CONSULTING [17-561]

(248) 916-8688

1





Lucy Road Wetland Crossing

**City of Howell** 

Livingston County, MI



BWA CONSELTING IOIIO TEMNYSON DAIYE PLYNOUTH, MI 48170 (248) 910-8688 DATE 2.8.18 PROJECT NUMBER 17-561 FIGURE 1









Plan View H 1" = 30', V 1" = 3'



### WETLAND DETERMINATION DATA FORM - Midwest Region

| Project/Site: Lucy Road Crossing                                  | City/County: Howell/Livingston                                  | Sampling Date: <u>B June 2017</u>   |
|---|---|---|
| Applicant/Owner: Vern Brockway                                    | State: MI   | Sampling Point: 1A  |
| nvestigator(s): Chris Kunkle                                      | Section, Township, Range:                                       |   |
| Landform (hillside, terrace, etc.):                               | Local relief (concave, convex, no                               | ne):  |
| Slope (%): t.at:  | Long:   |   |
| Soll Map Unit Name: Carlisle Muck                                 |   | easification:   |
| Are climatic / hydrologic conditions on the site typical for this | me of year? Yea x No (If no                                     | , explain in Remarks.)  |
| Are Vegetation, Soil, or Hydrologysignific                        |   |   |
| Are Vegetation, Soil, or Hydrologynatural                         |   |   |
| SUMMARY OF FINDINGS – Attach site map sh                          |   | cts, important features, etc.   |
| Hydrophytic Vegetation Present? Yes x No                          | ts the Sampled Area   | 22  |
| Hydric Soli Present? Yes x No                                     |   | x No  |
| Wetland Hydrology Present? Yes x No                               | _   |   |
| Remarks:  |   |   |
|   |   |   |
|   |   |   |
| VEGETATION - Use scientific names of plants.                      | his Devicest Indiates   |   |
| Abs.<br><u>Tree Stratum</u> (Plot size:) % C                      | ilute Dominant Indicator<br>over Species? Stalus Dominance Tesi | worksheet:  |
| 1. Salix nigre  |   | ant Species That  |
| 2. Populus deltoides  | FAC Are OBL, FACW,  |   |
| 3   | Total Number of   | Dominant Species  |
| 4.  |   | (B)   |
| 6   |   | ant Species That  |
|   | PTotal Cover Are OBL, FACW,                                     | or FAC: (A/B)   |
| Sablind/Shrub Stratum (Plot size:)                                | Prevalence inde   | y workshapt:  |
| 1   | Total # Can   |   |
|   | OBL species   | x1=   |
| 4   | FACW species  | x2=   |
| 6.  | FAC species   | ×3=   |
| · · · · · · · · · · · · · · · · · · ·                             | =Total Cover FACU species                                       | X4=   |
| Herb Stratum (Plot size:)   | UPL apecies   | x5=   |
| 1. Typha latifolla  | OBL Column Totals:  | (A)(B)  |
| 2. Impatiens capensis   |   | dex = B/A =   |
| 3. Carex hystericina  | OBL   |   |
| 4   |   | getation Indicators:  |
| 5   |   | st for Hydrophylic Vegetation   |
| 6   |   | ce Test is >50%   |
| 7   |   | ce Index is ≤3.0 <sup>1</sup><br>gical Adaptations <sup>1</sup> (Provide supporting |
| 8   | data is Re  | gical Adaptations" (Provide Supporting<br>marks or on a separate sheet)             |
| 10  | Problematic   | Hydrophytic Vegetation <sup>1</sup> (Explain)                                       |
| i <u> </u>  |   | Iric soil and wetland hydrology must  |
| Woody Vine Stratum (Plot size:)                                   |   | is disturbed or problematic.  |
| 1   | Hydrophytic   |   |
| 2   | =Total Cover Vegetation Present?                                | Yes <u>x</u> No   |
|   | = I digi COAGI   Liespitt                                       |   |

US Army Corps of Engineers

Midwest Region - Version 2.0

ł

SOIL

|          | 100    |  | ŭų. |
|----------|--------|--|-----|
| Sampling | Point: |  | 1A. |
|          |        |  |     |

| chea) Color (moisi) %   | Color (molst)  | %  | Type <sup>1</sup>   | Loca  | Tex   | ture  |   | Remarks   |                                |
|---|--|--|---|---|---|---|---|---|--------------------------------|
| 0-10 10YR 2/1   |  |  |   |   |   | ick   |   |   |                                |
| 10-16 10YR 2/2  | <u></u>  |  |   |   |   | ick   |   |   |                                |
|   |  |  | —   |   |   |   |   | · · · · ·   |                                |
|   | 114 ( ) ( # 47   |  |   |   | -   | s   |   |   |                                |
|   | 00,0   |  | 7.0   | <u> </u>  |   | 112   |   |   |                                |
|   |  | -  |   | <u> </u>  |   |   |   | ing sources   | 10.4                           |
|   |  |  |   | -   |   | 20  | · · · ·   |   |                                |
|   |  |  |   |   |   |   |   |   |                                |
| ype: C=Concentration, D=Depletion, RM=  | Reduced Matrix, I  | MS=Mas   | ked San   | d Grains  | •   |   |   | ning, M=Matrix  |                                |
| /dric Soll Indicators:  |  |  |   |   |   |   |   | natic Hydric !  | Solls':                        |
| Histosol (A1)   | Sandy Gla  |  |   |   |   |   | l Prairie Redo  | ++-   |                                |
| Histic Epipedon (A2)  | Sandy Re   | •••  |   |   |   | E   | langanese M   |   |                                |
| Black Hiatle (A3)   | Stripped M   | •  | 3)  |   |   |   | Parent Materia  | • •   |                                |
| Hydrogen Sulfide (A4)   | Dark Surfa   | • •  |   |   |   |   |   | Surface (F22)   |                                |
| _Stratified Layers (A5)   | Loamy ML   | -  | • •   |   |   | Other   | (Explain in R   | (emarks)  |                                |
| 2 cm Muck (A10)   | Loamy Gl   | -  | 100   |   |   |   |   |   |                                |
| _ Depleted Below Dark Surface (A11)   | Depleted I   | •  | •   |   |   | Sec. Barriston  |   | al  | السب                           |
| Thick Dark Surface (A12)  | Redox Da   |  | • •   |   |   |   |   | tic vegetation  |                                |
| Sandy Mucky Mineral (S1)  | Depleted I<br>Redox De   |  |   | )   |   |   |   | must be prese<br>r problematic.   | 50 U U                         |
| _ 5 cm Mucky Peat or Peat (S3)  |  | pression   | a (ro)  |   |   |   |   | r problematic.  | <u>.</u>                       |
| estrictive Layer (if observed):   |  |  |   |   |   |   |   |   |                                |
| Type:<br>Depth (Inches):  |  |  |   |   | Livelate C  | oll Present   | 2   | Yes X   | No                             |
|   |  |  |   |   |   |   |   | 100 11  |                                |
| emarks:<br>ne data form is revised from Midwest Reg<br>rata. (http://www.nrcs.usda.gov/Internet/F   | ional Supplement<br>SE_DOCUMENTS   | Version 2<br>S/nrcs142   | 2.0 to Inc<br>2p2_051:  | lude the<br>293.doc   | NRCS Fiel   |   | -   | lis, Version 7.   | D, 2015                        |
| emarks:<br>ils data form is revised from Midwest Reg<br>rata. (http://www.nrcs.usda.gov/internet/F  | ional Supplement   | Version 2<br>S/nrcs142   | 2.0 to Inc<br>2p2_051   | lude the<br>293.doc   | NRCS Fiel   |   | -   | liis, Version 7.  | D, 2015                        |
| emarks:<br>nle data form is revised from Midwest Reg<br>rata. (http://www.nrcs.usda.gov/internet/F<br>/DROLOGY  | ional Supplement   | Version 2<br>S/nrcs142   | 2.0 to Inc<br>2p2_051   | lude the<br>293.doc   | NRCS Fiel   |   | -   | lis, Version 7.   | D, 2015                        |
| emarks:<br>nle data form is revised from Midwest Reg<br>rata. (http://www.nrcs.usda.gov/internet/F<br>/DROLOGY<br>/etiand Hydrology Indicators:   |  | S/nrcs142  | 2.0 to Inc<br>2p2_051   | lude the<br>293.doc   | NRCS Fiel   | id Indicators   | of Hydric Sa  | - Veralis   |                                |
| emarks:<br>nle data form is revised from Midwest Reg<br>rata. (http://www.nrcs.usda.gov/internet/F<br>/DROLOGY<br>fetiand Hydrology Indicators:<br>rimary indicators (minimum of one is regul   | SE_DOCUMENTS   | apply)   | 2p2_051   | 293.doc   | NRCS Fiel   | id Indicators   | s of Hydric So<br>v Indicators (i   | minimum of tw   |                                |
| emarks:<br>Is data form is revised from Midwest Reg<br>rata. (http://www.nrcs.usda.gov/internet/F<br>/DROLOGY<br>Istland Hydrology Indicators:<br>rimary Indicators (minimum of one is requinated by the second | SE_DOCUMENTS   | S/nrcs142<br>apply)<br>skned Lea   | 2p2_051   | 293.doc   | NRCS Fiel   | id Indicators <u>Secondar</u> Surfa   | v Indicators (i<br>ce Soil Crack  | minimum of tw   |                                |
| emarks:<br>nis data form is revised from Midwest Reg<br>rata. (http://www.nrcs.usda.gov/internet/F<br>/DROLOGY<br>/etiand Hydrology Indicators:<br>rimery indicators (minimum of one is requi<br>(_ Surface Water (A1)<br>_ High Water Table (A2)   | Inter: Check all that<br>Water-Sta   | apply)<br>skned Lea<br>auna (B1  | 2p2_051<br>ives (B9)<br>3)  | 293.doc   | NRCS Fiel   | id Indicators Secondar Surfa Drain  | v Indicators (<br>ce Soil Crack<br>age Patterns   | minimum of tw<br>is (86)<br>(810)   |                                |
| emarks:<br>Is data form is revised from Midwest Reg<br>rata. (http://www.nrcs.usda.gov/internet/F<br>/DROLOGY<br>/etiand Hydrology Indicators:<br>Imary Indicators (minimum of one is reau<br>(_Surface Water (A1)<br>High Water Table (A2)<br>(_Saturation (A3)  | ired: check all that<br>Water-Sta<br>Aqualic Fi  | <u>apply)</u><br>Ined Lea<br>auna (B1  | 2p2_051<br>ives (B9)<br>3)<br>is (B14)  | 293.doc   | NRCS Fiel   | Secondar<br>Surfa<br>Drain<br>Dry-S   | v Indicators (i<br>ce Soil Crack  | <u>minimum of tw</u><br>is (86)<br>(810)<br>Table (C2)  |                                |
| emarks:<br>Is data form is revised from Midwest Reg<br>rata. (http://www.nrcs.usda.gov/internet/F<br>/DROLOGY<br>/etiand Hydrology Indicators:<br>rimary Indicators (minimum of one is requination<br>Surface Water (A1)<br>High Water Table (A2)<br>(_Saturation (A3)<br>Water Marks (B1)  | ired: check all that<br>Water-Sta<br>Yater-Sta<br>True Aqual<br>Hydrogen   | apply)<br>apply)<br>shed Lea<br>auna (B1<br>atic Plant<br>stic Plant   | 2p2_051<br>ives (B9)<br>3)<br>2a (B14)<br>Ddor (C1  | 293.doc:  | NRCS Fiel   | Secondar<br>Surfa<br>Drain<br>Crayl   | v Indicators (r<br>ce Soil Crack<br>age Patterns<br>Season Water<br>ish Burrows (   | <u>minimum of tw</u><br>is (86)<br>(810)<br>Table (C2)  | vo require                     |
| emarks:<br>Is data form is revised from Midwest Reg<br>rata. (http://www.nrcs.usda.gov/internet/F<br>/DROLOGY<br>/etiand Hydrology Indicators:<br>rimary indicators (minimum of one is requination<br>Surface Water (A1)<br>High Water Table (A2)<br>(Saturation (A3)<br>Water Marks (B1)<br>Sediment Deposits (B2)   | ired: check all that<br>Water-Sta<br>Aqualic Fi  | apply)<br>ahed Lea<br>auna (B1<br>atic Plani<br>a Sulfide (<br>Rhizospi  | 2p2_051<br>ives (B9)<br>3)<br>a (B14)<br>Odor (C1<br>ieres on   | 293.doc<br>)<br>)<br>Living R                                     | NRCS Fiel   | Secondar<br>Surfa<br>Drsin<br>Crayl<br>Satur                                      | v Indicators (<br>ce Soil Crack<br>age Patterns<br>Season Water<br>Ish Burrows (<br>atton Visible (   | <u>minimum of tw</u><br>is (86)<br>(810)<br>Table (C2)<br>(C8)  | vo require                     |
| emarks:<br>Is data form is revised from Midwest Reg<br>rata. (http://www.nrcs.usda.gov/internet/F<br>/DROLOGY<br>/etiand Hydrology Indicators:<br>Imary indicators (minimum of one is requination<br>(  | ired: check all that<br>Water-Sta<br>Aqualic Fi<br>True Aqua<br>Hydrogen<br>Oxidized   | apply)<br>shed Lea<br>auna (B1<br>stic Plant<br>Sulfide (<br>Rhizosph<br>of Redu   | 2p2_051:<br>wes (B9)<br>3)<br>a (B14)<br>Ddor (C1<br>weres on<br>ced Iron   | 293.doc<br>)<br>)<br>Living R<br>(C4)                             | NRCS Fiel   | Secondar<br>Surfa<br>Drain<br>Dry-S<br>Crayl<br>Satur<br>Sturt                    | v Indicators (i<br>ce Soil Crack<br>age Patterns<br>Season Water<br>Tish Burrows (<br>ration Visible (<br>ed or Stresse                                   | minimum of tw<br>is (86)<br>(810)<br>• Table (C2)<br>(C8)<br>on Aerial Imag<br>ed Plants (D1)                   | vo require                     |
| emarks:<br>Is data form is revised from Midwest Reg<br>rata. (http://www.nrcs.usda.gov/internet/F<br>/DROLOGY<br>/etiand Hydrology Indicators:<br>rimary indicators (minimum of one is requination<br>Surface Water (A1)<br>High Water Table (A2)<br>(Saturation (A3)<br>Water Marks (B1)<br>Sediment Deposits (B2)   | ired: check all that<br>Water-Sta<br>Aqualic Fa<br>True Aqual<br>Hydrogen<br>Oxidized I<br>Presence  | apply)<br>alned Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph<br>of Redu<br>on Reduc  | ives (B9)<br>3)<br>a (B14)<br>Ddor (C1<br>ieres on<br>ced iron<br>tion in T   | 293.doc<br>)<br>)<br>Living R<br>(C4)                             | NRCS Fiel   | Secondar<br>Surfa<br>Drain<br>Dry-S<br>Crayl<br>Satur<br>Sturt<br>Geor            | v Indicators (<br>ce Soil Crack<br>age Patterns<br>Season Water<br>Ish Burrows (<br>atton Visible (   | minimum of tw<br>is (B6)<br>(B10)<br>r Table (C2)<br>(C8)<br>on Aerial Imag<br>ad Plants (D1)<br>ion (D2)       | vo reaulre                     |
| emarks:<br>Is data form is revised from Midwest Reg<br>rata. (http://www.nrcs.usda.gov/internet/F<br>/DROLOGY<br>/etiand Hydrology Indicators:<br>Imary Indicators (minimum of one is requinated<br>Surface Water (A1)<br>High Water Table (A2)<br>Saturation (A3)<br>Water Marks (B1)<br>Sediment Deposits (B2)<br>Drift Deposits (B3)<br>Algal Mat or Crust (B4)  | Ired: check all that<br>Water-Sta<br>Aqualic Fa<br>True Aqua<br>Hydrogen<br>Oxidized<br>Presence<br>Recent fro<br>Thin Muck  | apply)<br>alned Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph<br>of Redu<br>on Reduc<br>k Surface   | 2p2_051:<br>ives (B9)<br>3)<br>a (B14)<br>Odor (C1<br>ieres on<br>ced iron<br>ction in T<br>a (C7)  | 293.doc<br>)<br>)<br>Living R<br>(C4)                             | NRCS Fiel   | Secondar<br>Surfa<br>Drain<br>Dry-S<br>Crayl<br>Satur<br>Sturt<br>Geor            | v Indicators (i<br>ce Soil Crack<br>age Patterns<br>Season Water<br>ish Burrows (<br>ration Visible<br>d or Stresse<br>norphic Positi                     | minimum of tw<br>is (B6)<br>(B10)<br>r Table (C2)<br>(C8)<br>on Aerial Imag<br>ad Plants (D1)<br>ion (D2)       | vo reaulre                     |
| emarks:<br>Is data form is revised from Midwest Reg<br>rata. (http://www.nrcs.usda.gov/internet/F<br>/DROLOGY<br>/etiand Hydrology Indicators:<br>Imary indicators (minimum of one is requination<br>( Surface Water (A1)<br>High Water Table (A2)<br>( Saturation (A3)<br>Water Marks (B1)<br>Sediment Deposits (B2)<br>Drift Deposits (B3)<br>Algel Mat or Crust (B4)<br>Iron Deposits (B5)   | Ired: check all that<br>Water-Sta<br>Aqualic Fa<br>True Aqua<br>Hydrogen<br>Oxidized<br>Presence<br>Recent fro<br>Thin Muci<br>7) Gauge or   | apply)<br>alned Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph<br>of Redu<br>on Redu<br>k Surface<br>Well Dat  | 2p2_051:<br>ives (B9)<br>3)<br>a (B14)<br>Odor (C1<br>ieres on<br>ced iron<br>ction in T<br>a (C7)<br>ia (D9)   | l)<br>Living R<br>(C4)<br>Ned Sol                                 | NRCS Fiel   | Secondar<br>Surfa<br>Drain<br>Dry-S<br>Crayl<br>Satur<br>Sturt<br>Geor            | v Indicators (i<br>ce Soil Crack<br>age Patterns<br>Season Water<br>ish Burrows (<br>ration Visible<br>d or Stresse<br>norphic Positi                     | minimum of tw<br>is (B6)<br>(B10)<br>r Table (C2)<br>(C8)<br>on Aerial Imag<br>ad Plants (D1)<br>ion (D2)       | vo require                     |
| emarks:<br>Is data form is revised from Midwest Reg<br>rata. (http://www.nrcs.usda.gov/internet/F<br>/DROLOGY<br>/etiand Hydrology Indicators:<br>imary indicators (minimum of one is requination<br>( Surface Water (A1)<br>High Water Table (A2)<br>( Saturation (A3)<br>Water Marks (B1)<br>Sediment Deposits (B2)<br>Drift Deposits (B3)<br>Algel Mat or Crust (B4)<br>Iron Deposits (B5)<br>Inundation Visible on Aerial Imagery (B)   | Ired: check all that<br>Water-Sta<br>Aqualic Fa<br>True Aqua<br>Hydrogen<br>Oxidized<br>Presence<br>Recent fro<br>Thin Muci<br>7) Gauge or   | apply)<br>alned Lea<br>auna (B1<br>atic Plant<br>Sulfide (<br>Rhizosph<br>of Redu<br>on Redu<br>k Surface<br>Well Dat  | 2p2_051:<br>ives (B9)<br>3)<br>a (B14)<br>Odor (C1<br>ieres on<br>ced iron<br>ction in T<br>a (C7)<br>ia (D9)   | l)<br>Living R<br>(C4)<br>Ned Sol                                 | NRCS Fiel   | Secondar<br>Surfa<br>Drain<br>Dry-S<br>Crayl<br>Satur<br>Sturt<br>Geor            | v Indicators (i<br>ce Soil Crack<br>age Patterns<br>Season Water<br>ish Burrows (<br>ration Visible<br>d or Stresse<br>norphic Positi                     | minimum of tw<br>is (B6)<br>(B10)<br>r Table (C2)<br>(C8)<br>on Aerial Imag<br>ad Plants (D1)<br>ion (D2)       | vo require                     |
| emarks:<br>Is data form is revised from Midwest Reg<br>rata. (http://www.nrcs.usda.gov/internet/F<br>//DROLOGY<br>/etiand Hydrology Indicators:<br>imary Indicators (minimum of one is requinant<br>C. Surface Water (A1)<br>High Water Table (A2)<br>(Saturation (A3)<br>Water Marks (B1)<br>Sediment Deposits (B2)<br>Drift Deposits (B3)<br>Algal Mat or Crust (B4)<br>Iron Deposits (B5)<br>Inundation Visible on Aerial Imagery (B<br>Sparsely Vegetated Concave Surface (   | SE_DOCUMENTS   | apply)<br>alned Lea<br>auna (B1<br>atic Plani<br>Sulfide (<br>Rhizosph<br>of Reduc<br>on Reduc<br>k Surface<br>Well Dal<br>plain in F                                  | 2p2_051:<br>ives (B9)<br>3)<br>a (B14)<br>Odor (C1<br>ieres on<br>ced iron<br>ction in T<br>a (C7)<br>ia (D9)   | 293.doc<br>)<br>Living R<br>(C4)<br>1Net Sol                      | NRCS Fiel   | Secondar<br>Surfa<br>Drain<br>Dry-S<br>Crayl<br>Satur<br>Sturt<br>Geor            | v Indicators (i<br>ce Soil Crack<br>age Patterns<br>Season Water<br>ish Burrows (<br>ration Visible<br>d or Stresse<br>norphic Positi                     | minimum of tw<br>is (B6)<br>(B10)<br>r Table (C2)<br>(C8)<br>on Aerial Imag<br>ad Plants (D1)<br>ion (D2)       | vo require                     |
| emarks:<br>Is data form is revised from Midwest Reg<br>rata. (http://www.nrcs.usda.gov/internet/F<br>/DROLOGY<br>/etiand Hydrology Indicators:<br>Imary indicators (minimum of one is requination<br>(  | Ired: check all that<br>Water-Sta<br>Aqualic Fa<br>True Aqua<br>Hydrogen<br>Oxidized<br>Presence<br>Recent fro<br>Thin Muci<br>7) Gauge or   | S/nrcs142<br>apply)<br>skned Lea<br>auna (B1<br>atic Plant<br>of Reduc<br>on Reduc<br>on Reduc<br>k Surface<br>Well Dai<br>plain in F                                  | ves (B9)<br>3)<br>4s (B14)<br>Ddor (C1<br>teres on<br>ced iron<br>titon in T<br>e (C7)<br>ia (D9)<br>Remarks;   | 293.doc<br>293.doc<br>)<br>Living R<br>(C4)<br>1Ned Sol<br>)<br>3 | NRCS Fiel   | Secondar<br>Surfa<br>Drain<br>Dry-S<br>Crayl<br>Satur<br>Sturt<br>Geor            | v Indicators (i<br>ce Soil Crack<br>age Patterns<br>Season Water<br>ish Burrows (<br>ration Visible<br>d or Stresse<br>norphic Positi                     | minimum of tw<br>is (B6)<br>(B10)<br>r Table (C2)<br>(C8)<br>on Aerial Imag<br>ad Plants (D1)<br>ion (D2)       | vo require                     |
| emarks:<br>Is data form is revised from Midwest Reg<br>rata. (http://www.nrcs.usda.gov/internet/F<br>/DROLOGY<br>/etiand Hydrology Indicators:<br>Imary Indicators (minimum of one is requination<br>(  | SE_DOCUMENTS   | apply)<br>alkned Lea<br>auna (B1<br>atic Plant<br>sulfide (<br>Rhizosph<br>of Reduc<br>on Reduc<br>k Surface<br>Well Dai<br>plain in F<br>Depth (<br>Depth (           | 2p2_051:<br>ves (B9)<br>3)<br>s (B14)<br>Ddor (C1<br>veres on<br>ced iron<br>cition in T<br>cition in T<br>(C7)<br>a (D9)<br>Remarks;<br>inches):   | 293.doc<br>)<br>Living R<br>(C4)<br>1Ned Sol<br>)<br>3            | NRCS Fiel   | Secondar<br>Surfa<br>Drain<br>Dry-S<br>Crayl<br>Satur<br>Sturt<br>Qeon<br>X FAC-  | v Indicators (i<br>ce Soil Crack<br>age Patterns<br>Season Water<br>ish Burrows (<br>ration Visible<br>d or Stresse<br>norphic Positi                     | minimum of tw<br>is (B6)<br>(B10)<br>r Table (C2)<br>(C8)<br>on Aerial Imag<br>ad Plants (D1)<br>ion (D2)       | vo require                     |
| emarks:<br>Is data form is revised from Midwest Reg<br>rata. (http://www.nrcs.usda.gov/internet/F<br>/DROLOGY<br>/etiand Hydrology Indicators:<br>Immary Indicators (minimum of one is requination<br>(   | ired: check all that<br>Water-Sta<br>Aqualic Fa<br>True Aquar<br>Hydrogen<br>Oxidized I<br>Presence<br>Recent Ird<br>Thin Muci<br>7) Gauge or<br>B8) Other (Ex                         | apply)<br>alkned Lea<br>auna (B1<br>atic Plant<br>sulfide (<br>Rhizosph<br>of Reduc<br>on Reduc<br>k Surface<br>Well Dai<br>plain in F<br>Depth (<br>Depth (           | 2p2_051:<br>ves (B9)<br>3)<br>a (B14)<br>Ddor (C1<br>veres on<br>ced iron<br>ced iron<br>ction in T<br>a (C7)<br>a (D9)<br>Remarks;<br>inches):<br>inches):   | 293.doc<br>)<br>Living R<br>(C4)<br>1Ned Sol<br>)<br>3            | NRCS Fiel   | Secondar<br>Surfa<br>Drain<br>Dry-S<br>Crayl<br>Satur<br>Sturt<br>Qeon<br>X FAC-  | v Indicators (i<br>ce Soil Crack<br>age Patterns<br>Season Water<br>Tish Burrows (<br>ration Visible<br>ed or Stresse<br>norphic Positi<br>Neutral Test ( | minimum of tw<br>is (B6)<br>(B10)<br>Table (C2)<br>(C8)<br>on Aerial Imag<br>ad Plants (D1)<br>lon (D2)<br>(D5) | <u>ro requirê</u><br>Jery (C9) |
| emarks:<br>Is data form is revised from Midwest Reg<br>rata. (http://www.nrcs.usda.gov/internet/F<br>/DROLOGY<br>/etiand Hydrology Indicators:<br>immary indicators (minimum of one is requination<br>( Surface Water (A1)<br>High Water Table (A2)<br>( Saturation (A3)<br>Water Marks (B1)<br>Sediment Deposits (B2)<br>Drift Deposits (B3)<br>Algal Mat or Crust (B4)<br>Iron Deposits (B5)<br>Inundation Visible on Aerial Imagery (B<br>Sparsely Vegetated Concave Surface (<br>Iseld Observations:<br>Urface Water Present? Yes <u>x</u><br>Vater Table Present? Yes <u>x</u><br>isturation Present? Yes <u>x</u>   | ired: check all that<br>Water-Sta<br>Aqualic Fa<br>True Aquar<br>Hydrogen<br>Oxidized I<br>Presence<br>Recent Ird<br>Thin Muci<br>7) Gauge or<br>B8) Other (Ex<br>No<br>No<br>No<br>No | S/nrcs142<br>apply)<br>sheet Lea<br>auna (B1<br>atic Plant<br>of Redu-<br>on Redu-<br>on Redu-<br>on Redu-<br>k Surface<br>Well Dai<br>bain in F<br>Depth (<br>Depth ( | 2p2_051<br>ves (B9)<br>3)<br>a (B14)<br>Odor (C1<br>veres on<br>ced Iron<br>ced | 293.doc<br>)<br>Living R<br>(C4)<br>1Ned Sol<br>)<br>3<br>0       | NRCS Fiel<br>x)<br>oots (C3)<br>is (C6)<br>Wetlar | Secondar<br>Surfa<br>Drain<br>Dry-S<br>Crayi<br>Saturi<br>Sturi<br>Geor<br>X FAC- | v Indicators (i<br>ce Soil Crack<br>age Patterns<br>Season Water<br>Tish Burrows (<br>ration Visible<br>ed or Stresse<br>norphic Positi<br>Neutral Test ( | minimum of tw<br>is (B6)<br>(B10)<br>Table (C2)<br>(C8)<br>on Aerial Imag<br>ad Plants (D1)<br>lon (D2)<br>(D5) | <u>ro requira</u><br>ery (C9)  |
| emarks:<br>Is data form is revised from Midwest Reg<br>rata. (http://www.nrcs.usda.gov/internet/F<br>//DROLOGY<br>/etiand Hydrology Indicators:<br>Immery Indicators (minimum of one is requination<br>(  | ired: check all that<br>Water-Sta<br>Aqualic Fa<br>True Aquar<br>Hydrogen<br>Oxidized I<br>Presence<br>Recent Ird<br>Thin Muci<br>7) Gauge or<br>B8) Other (Ex<br>No<br>No<br>No<br>No | S/nrcs142<br>apply)<br>sheet Lea<br>auna (B1<br>atic Plant<br>of Redu-<br>on Redu-<br>on Redu-<br>on Redu-<br>k Surface<br>Well Dai<br>bain in F<br>Depth (<br>Depth ( | 2p2_051<br>ves (B9)<br>3)<br>a (B14)<br>Odor (C1<br>veres on<br>ced Iron<br>ced | 293.doc<br>)<br>Living R<br>(C4)<br>1Ned Sol<br>)<br>3<br>0       | NRCS Fiel<br>x)<br>oots (C3)<br>is (C6)<br>Wetlar | Secondar<br>Surfa<br>Drain<br>Dry-S<br>Crayi<br>Saturi<br>Sturi<br>Geor<br>X FAC- | v Indicators (i<br>ce Soil Crack<br>age Patterns<br>Season Water<br>Tish Burrows (<br>ration Visible<br>ed or Stresse<br>norphic Positi<br>Neutral Test ( | minimum of tw<br>is (B6)<br>(B10)<br>Table (C2)<br>(C8)<br>on Aerial Imag<br>ad Plants (D1)<br>lon (D2)<br>(D5) | <u>ro requirê</u><br>Jery (C9) |

| epih  | ription: (Describe to<br>Matrix  | a rua pahru   |   |  |   | llor or c                    | onum the                                       | ) absence q  | I Indicatora   | -)   |                                     |
|---|--|---|---|--|---|------------------------------|--|--|--|--|-------------------------------------|
| nches)  | Color (moist)  | %   | Color (molsi)   | dox Featur<br>%  |   | Loc <sup>2</sup>             | Tox  | lure   |  | Demoder  |                                     |
| 0-9   |  |   |   |  | Тура  | Luc                          | 111111   |  |  | Remarks  |                                     |
|   | 10YR 4/2   | 000-40  |   |  |   |                              |  | /Clayey  |  |  |                                     |
| 9-16  | 10YR 5/3   |   |   |  |   |                              | Loamy  | /Clayey  |  |  | 64                                  |
|   | · · · · · · · · · · · · · · · · · · ·  | <u> </u>  |   |  |   |                              |  |  | *  |  |                                     |
|   |  |   |   |  |   |                              |  | -  | -  |  |                                     |
| ype: C=Co   | ncentration, D=Depie   | llon, RM=Re   | duced Matrix  | , MS=Mas   | ked Sand  | Graine.                      |  | <sup>2</sup> Location:   | PL=Pore Li   | ning, M=Mat  | tx.                                 |
| ydric Soll ir   | ndicators:   | 0   |   |  |   |                              |  | Indicators   | for Proble   | natic Hydric   | : Soils <sup>3</sup> :              |
| _Histosol (/  | A1) 🥂  |   | Sandy G   | Bleyed Mat   | rix (S4)  |                              |  | Coast  | Prairie Redo   | ox (A16)   |                                     |
| _Histic Epi   | pedon (A2)   |   | Sandy R   | ledox (S5)   |   |                              |  | Iron-M   | anganese M   | lasses (F12)   |                                     |
| Black Hist  | ilc (A3)   |   | Stripped  | Matrix (St   | <b>3)</b> .   |                              |  | Red P  | arent Materi   | al (F21)   |                                     |
| Hydrogen  | Sulfide (A4)   |   | Dark Su   | rface (S7)   |   |                              |  | Very S   | hallow Dark  | Surface (F2  | 2)                                  |
| Stratified I  | Layers (A5)  |   | <u> </u>  | Nucky Mine   | eral (F1)   |                              |  |  | (Explain in F  |  |                                     |
| 2 cm Mud  | k (A10)  |   | •   | <b>Sleyed Mai</b>  |   |                              |  |  |  |  |                                     |
|   | Below Dark Surface   | (A11)   |   | d Matrix (F  |   |                              |  |  |  |  |                                     |
| - · · ·   | k Surface (A12)  | •   |   | Dark Surfac  |   |                              |  | <sup>a</sup> Indicatora  | of hydronby  | tic vegetatio  | n and                               |
|   | icky Mineral (S1)  |   | _   | d Dark Sur   |   |                              |  |  |  | must be pres   |                                     |
|   | ky Peat or Peat (S3)   |   | ·   | )epression   |   |                              |  |  |  | r problematic  |                                     |
|   | aver (if observed):  |   |   |  | /   |                              |  |  |  |  | -                                   |
|   | aller for any analy  |   |   |  |   |                              |  |  |  |  |                                     |
|   |  |   |   |  |   |                              |  |  |  |  |                                     |
| his data form   | thes):<br>I is revised from Midwww.nrcs.usda.gov/i   | vest Regiona<br>nternet/FSE                               | al Supplemen<br>_DOCUMEN1   | t Version 2<br>FS/nrcs142  | .0 to incl<br>2p2_0512  | ude the l<br>93.docx         | NRCS Field                                     | d Indicators   |  | Yes  | No<br>.0, 2015                      |
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| Depih (inc<br>emarks:<br>nis data form<br>rrata. (hilp://<br>/DROLOC<br>letland Hydr<br>rimary Indice<br>_ Surface W  | a la revised from Midwww.nrca.usda.gov/i<br>SY<br>rology Indicators:<br>ators (minimum of on<br>fater (A1)   | nlernet/FSE   | _DOCUMENT   | rs/nrcs142   | 2p2_0512  | ude the I<br>93.docx         | NRCS Field                                     | d Indicators   | of Hydric So<br>Indicators (r<br>e Soll Crack  | ils, Version 7<br><u>minimum of (</u><br>s (88)  | .0, 2015                            |
| Depih (inc<br>emarks:<br>nis data form<br>rrata. (hllp://<br>/DROLOC<br>etland Hyde<br>imary Indice<br>Surface W<br>High Wate   | a is revised from Mids<br>www.nrcs.usda.gov/l<br>GY<br>rology Indicators:<br>ators (minimum of on<br>/ater (A1)<br>er Table (A2)   | nlernet/FSE   | _DOCUMENT   | rS/nrcs142<br>nt apply)<br>tained Lea<br>Fauna (B13  | ves (89)  | ude the I<br>93.docx         | NRCS Field                                     | d Indicators<br><u>Secondary</u><br>Surfac<br>Draina   | of Hydric So<br>Indicators (<br>e Soll Crack<br>ge Patterns  | ninimum of (<br>B)<br>(B10)  | .0, 2015                            |
| Depih (inc<br>emarks:<br>nis data form<br>rrata. (http://<br>/DROLOC<br>/etland Hyda<br>  | a is revised from Mide<br>www.nrcs.usda.gov/l<br>GY<br>rology Indicators:<br>ators (minimum of on<br>/ster (A1)<br>er Table (A2)<br>n (A3)   | nlernet/FSE   | _DOCUMENT   | t apply)<br>tained Lea<br>Fauna (81:<br>ualic Plants   | ves (89)<br>3)<br>s (814)   | 93.docx;                     | NRCS Field                                     | d Indicators   | of Hydric So<br>Indicators (r<br>e Soll Crack<br>ge Patterns<br>ason Water   | minimum of t<br>s (B6)<br>(B10)<br>Table (C2)  | .0, 2015                            |
| Depih (inc<br>emarks:<br>nis data form<br>rrata. (http://<br>/DROLOC<br>/etland Hyda<br>imary Indice<br>_ Surface W<br>_ High Wate<br>_ Saturation<br>_ Water Mai   | a is revised from Midw<br>www.nrcs.usda.gov/l<br>GY<br>rology Indicators:<br>ators (minimum of on<br>/ater (A1)<br>er Table (A2)<br>h (A3)<br>rks (B1)   | nlernet/FSE   | _DOCUMENT   | tt apply)<br>tained Lea<br>Fauna (B1)<br>ualic Plants<br>n Sulfide C   | ves (89)<br>3)<br>s (814)<br>3dor (C1)  | 93.docx                      | NRCS Field                                     | d Indicators   | of Hydric So<br>Indicators (r<br>e Soll Crack<br>ge Patterns<br>ason Water<br>h Burrows (r   | minimum of t<br>s (B6)<br>(B10)<br>Table (C2)<br>C8)   | .0, 2015<br>wo requir               |
| Depih (inc<br>emarks:<br>nis data form<br>rata. (hllp://<br>/DROLOC<br>/etland Hyda<br>timary Indice<br>Surface W<br>Surface W<br>Surface W<br>Surface W<br>Surface W<br>Surface Ma<br>Sediment   | a is ravised from Midw<br>www.nrcs.usda.gov/i<br>GY<br>rology Indicators:<br>ators (minimum of on<br>/ater (A1)<br>er Table (A2)<br>h (A3)<br>rks (B1)<br>Deposits (B2)  | nlernet/FSE   | _DOCUMENT   | t apply)<br>tained Lea<br>Fauna (B1)<br>ualic Plants<br>in Sulfide C<br>i Rhizosph   | ves (89)<br>3)<br>5 (814)<br>3dor (C1)<br>eres on L   | 93.docx                      | NRCS Field                                     | d Indicators of Secondary Surfac Oraina Ory-Se Ory-Se Crayfis Satura                                     | indicators (r<br>e Soll Crack<br>ge Patterns<br>hason Water<br>h Burrows (r<br>tion Visible o  | ninkmum of t<br>s (86)<br>(810)<br>Table (C2)<br>C8)<br>on Aerial Ima                                    | wo requir                           |
| Depth (inc<br>emarks:<br>nis data form<br>rata. (http://<br>/DROLOC<br>/etland Hyda<br>imary Indica<br>Surface W<br>High Wate<br>Saturation<br>Water Mai<br>Sediment<br>Drift Depo  | a Is ravised from Midw<br>www.nrcs.usda.gov/l<br>GY<br>rology Indicators:<br>ators (minimum of on<br>/ater (A1)<br>er Table (A2)<br>h (A3)<br>rks (B1)<br>Deposits (B2)<br>isilis (B3)   | nlernet/FSE   | <br>  | It apply)<br>tained Lea<br>Fauna (B1)<br>ualic Plants<br>in Sulfide C<br>i Rhizosph<br>e of Reduc  | ves (89)<br>3)<br>s (814)<br>Odor (C1)<br>eres on L<br>ad Iron (1   | iving Ro                     | NRCS Field<br>)<br>                            | d Indicators<br>Secondary<br>Surfac<br>Draina<br>Dry-Se<br>Crayfis<br>Satura<br>Stunte                   | indicators (r<br>e Soll Crack<br>ge Patterns<br>h Burrows (r<br>tion Visible o<br>d or Stresse   | ninimum of t<br>s (B6)<br>(B10)<br>Table (C2)<br>C8)<br>on Aerial Ima<br>d Plants (D1)                   | wo requir                           |
| Depih (inc<br>emarks:<br>nis data form<br>rata. (hllp://<br>/DROLOC<br>etland Hyda<br>imary Indice<br>_Surface W<br>_High Wate<br>_Saturation<br>_Water Mai<br>_Sediment<br>_Drift Depo<br>_Algal Mat   | a is revised from Midw<br>www.nrcs.usda.gov/i<br>GY<br>rology Indicators:<br>ators (minimum of on<br>/ater (A1)<br>er Table (A2)<br>i (A3)<br>rks (B1)<br>Deposits (B2)<br>esits (B3)<br>or Crust (B4)   | nlernet/FSE   | <br>  | t apply)<br>tained Lea<br>Fauna (B1)<br>ualic Plants<br>in Sulfide C<br>i Rhizosph   | ves (89)<br>3)<br>s (814)<br>Odor (C1)<br>eres on L<br>ad Iron (1   | iving Ro                     | NRCS Field<br>)<br>                            | d Indicators<br>Secondary<br>Surfac<br>Draina<br>Dry-Se<br>Crayfis<br>Satura<br>Stunte<br>Geomo          | indicators (r<br>e Soll Crack<br>ge Patterns<br>h Burrows (r<br>tion Visible o<br>d or Stresse<br>orphic Positio                                 | minimum of t<br>s (B6)<br>(B10)<br>Table (C2)<br>C8)<br>on Aerial Ima<br>d Plants (D1)<br>on (D2)        | wo requir                           |
| Depih (inc<br>emarks:<br>nis data form<br>rata. (hllp://<br>/DROLOC<br>etland Hyda<br>imary Indice<br>_Surface W<br>_High Wate<br>_Saturation<br>_Water Mai<br>_Sediment<br>_Drift Depo<br>_Algal Mat<br>_Iron Depo                                 | a is revised from Midw<br>www.nrcs.usda.gov/l<br>GY<br>rology Indicators:<br>ators (minimum of on<br>/ater (A1)<br>er Table (A2)<br>(A3)<br>rks (B1)<br>Deposits (B2)<br>esits (B3)<br>or Crust (B4)<br>sits (B5)  | a is required   | Check all the<br>Water-S<br>Aquatic I<br>True Aqu<br>Hydroge<br>Oxidized<br>Presenc<br>Recent I<br>Thin Mu                                    | It apply)<br>tained Lea<br>Fauna (81)<br>ualic Plants<br>in Sulfide C<br>i Rhizosph<br>e of Reduc<br>ron Reduc<br>ck Surface   | ves (B9)<br>3)<br>5 (E14)<br>Odor (C1)<br>eres on L<br>ad Iron (1<br>Non In Til<br>(C7)   | iving Ro                     | NRCS Field<br>)<br>                            | d Indicators<br>Secondary<br>Surfac<br>Draina<br>Dry-Se<br>Crayfis<br>Satura<br>Stunte<br>Geomo          | indicators (r<br>e Soll Crack<br>ge Patterns<br>h Burrows (r<br>tion Visible o<br>d or Stresse   | minimum of t<br>s (B6)<br>(B10)<br>Table (C2)<br>C8)<br>on Aerial Ima<br>d Plants (D1)<br>on (D2)        | wo requir                           |
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To Board Shlip



April 26, 2018

Ms. Polly Skolarus, Cierk Township of Genoa 2911 Dorr Rd. Brighton, MI 48116

RE: International Channel Package Launch

Dear Ms. Skolarus:

We are pleased to share another enhancement we are making to our Xfinity TV offerings.

Comcast will launch up to 42 international channels and up to 31 international packages beginning around May 30, 2018. This launch will give customers access to more international content such as Bollywood movies, Brazilian telenovelas and Chinese news, to name a few.

Xfinity TV customers who would like to purchase these new international offerings will need the necessary equipment to access this cable programming, e.g. X1 or the Xfinity Beta App on Roku.

When these new international channels and packages launch, we will have a dedicated landing page - xfinity.com/moreinternational, which will provide additional information once the international channel package launch occurs.

Also, effective June 1, 2018, MGM HD, FSN Prime Ticket OOM and FSN Sun OOM will no longer be carried on Xfinity TV.

We know you may have questions about these changes. If I can be of any further assistance, please contact me at 734-254-1557.

Sincerel Kyle V Mazurek

Manager of External Affairs Comcast, Heartland Region 41112 Concept Drive Plymouth, Mi 48170

| Thanks      | enough,<br>gain!<br>finie fo TALK<br>finie fo TALK<br>Golf CLUB GUAAD<br>for Solvink THIS<br>Golf CLUB GUAAD<br>for Solvink THIS<br>for The Mark To Danie<br>for Mark for North<br>for N |
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Photo credit: Matt Bolang

To Board 5/1/18

### 2016-2017 **Financial Overview**

**Revenue By Source** 



**Expenses by Division** 



# **Disease Prevention Efforts Expanding Chronic**

a grant-funded Worksite Wellness program Communities programs, and the addition of Prescription for Health disease through the Livingston County Health Department continues to focus on preventing and managing chronic and Building Healthy continuation ō the

and connect them to valuable community provide health education to County thanks to funding from St. Joseph Mercy is the second year of the program in Livingston reduce their incidence of chronic disease. This in tokens to spend at local farmers markets to prescription program that gives participants \$100 Prescription for Health is a fruit and vegetable Health resources System. Community Health Workers throughout Livingston participants County

efforts on a walking campaign to increase physica pantries, while year two (2017-2018) is focusing guidelines and healthy food choices through grant (2016-2017) promoted healthy food service Services (MDHHS) grant with Washtenaw County a Michigan Department of Health and Human Building Healthy Communities is financed through product placement and promotion in local food Health Department (WCHD). Year one of the



Livingston County residents by the health of to prioritize

opportunities that work, and play in seeking out grant make it easier for address chronic those who live, disease and

and Worksite Wellness, a new program at LCHD, is financed WCHD. This grant allows LCHD through an MDHHS grant with County businesses in to partner with six Livingston

to the county's many trails via using the stairs and taking activity in Livingston County



**ICHD** disease looks forward prevention 5 ₫ continuing Livingston chronic County.

health specific strategies designed to improve the receives a \$1,000 stipend to use to implement and wellness <u>q</u> their employees

Health Promotion ~Chelsea Lantto, Livingston to live healthier lives." Coordinator behaviors and decrease obesity the and tobacco use. program is to increase healthy their worksite wellness efforts those efforts. The goals of the 2018 to assess the status of participating improve/expand upon businesses Each of 2017-

## Hepatitis A Outbreak Response

of hepatitis A cases in the state during 2017. 2016 and continued to see an elevated number increase in hepatitis A cases starting in August Health and Human Services (MDHHS) noticed an health officials and the Michigan Department of based on the Communicable Disease Rules. Public which means that LCHD is required to investigate/ Communicable Disease (CD) is a state-funded follow-up on reported communicable diseases (mandated) program for local health departments,

clinics for high-risk populations. and education, and outreach with vaccination healthcare awareness efforts, public notification MDHHS responded to this outbreak with additional cause a person to be sick for several weeks. can appear 15-50 days after exposure and can disease caused by the hepatiliis A virus. Illness The public health response included increased response in outbreak affected areas of the state. Hepatitis A is a serious, highly contagious liver funding to assist in a coordinated public health

per year. Since many of these cases were linked Livingston county averages less than two cases In 2017, LCHD received six hepatitis A case reports. to the outbreak, LCHD began a public awareness

> been crucial to our the hopsitalization a potential source of food, beverages, "This outbreak has campaign focusing on food been identified as of infection, and been challenging with community common sources **PPHS Director/** risk groups have work with high ~Elaine Brown, rate is high. As partners who or drugs have relationships a result, our response." because no and service clinics for high-risk populations use, homelessness or transient establishments, to staff walk-in, LCHD hired Medical Reserve injection and non-injection drug site clinics to high risk groups provide vaccinations at offextended clinic hours, and to follow-up calls to food service Corps members to assist with this outbreak setting. housing, and incarceration are this disease. Those with history of to reach those at highest risk to to work with community partners Additionally, LCHD is continuing thought to be at greater risk in planning

Our efforts will continue into 2018 as the outbreak continues to

Deputy Health

Officer

and coquillettidia perturbans mosquitos. These has documented the identification of aedes and West Nile Virus. To date, only Wayne County such as Dog Heartworm, St. Louis Encephalitis, of them being aedes triseriatus, culex pipiens, mosquito, but there is no evidence of Zika-virusalbopictus which is also known as the Asian Tiger However, thirteen other species were, with 79% Zika virus were not identified in the County. In summary, the mosquitos that carry the mosquitos are often associated with diseases

nights a week at sixteen different businesses and/or residences throughout the County albopictus and aedes aegypti) that carry the was to determine if mosquito species (i.e. aedes these species of mosquito were placed two mosquito traps that are designed to attract Diseases Division. The purpose of this program Services-Emergency and Zoonotic Infectious Michigan Department of virus mosquito surveillance program led by the Division participated in a grant funded Zika This past summer, the Environmental Health Zika virus were present in Livingston County. Five Health and Human

intected mosquitoes in the state at this time





Surveillance

Mosquito

establishments/workers

vaccination

|                        | Sincerely,<br>Dianne McCormick, Director/Health Officer | There are so many more accomplishments that occurred in 2017<br>and on behalf of the dedicated employees of LCHD, I wish to share<br>the highlights within this report with the community and invite you to<br>contact me should you have any questions. | Cycle 7 State Accreditation review. We also submitted documentation to the Public Health Accreditation Board in anticipation of becoming nationally accredited in the near future. | underserved in the community. We also had a confirmed measles case in the spring reminding the community of the importance for proper immunization against vaccine preventable diseases. We were | Some of the highlights from 2017 I wish to share include the opening of the Livingston Dental Center, which provides dental care for the | many partners. A special thank-you to the Livingston County Board of<br>Commissioners and County Administration who provide their support of<br>the department and value having a strong and competent workforce<br>for the delivery of our services. | On behalt of the Livingston County Health Department, I am pleased<br>to present our 2017 annual report that highlights efforts being made to<br>keep our families safe and healthy and our environment clean. Our<br>services and programs are designed to improve the overall health status<br>of our residents by engaging the community and collaborating with | Greetings from Our<br>Health Officer |
|------------------------|---|--|--|--|--|---|--|--------------------------------------|
| Like us on<br>Facebook | For more information visit:<br>www.lchd.org             | 2300 East Grand River Ave.<br>Suite 102<br>Howell, Michigan 48843  | Elaine Brown<br>Personal/Prøventive Health Director<br>Deputy Health Officer   | Matt Bolang<br>Environmental Health Director   | Dr. Donald Lawrenchuk<br>Nedical Director  | Dianne McCormick<br>Health Officer  | Livingston County<br>Health Department   |                                      |
|                        |   | our partnerships<br>empower individ  | events in our cc<br>collaboratively v<br>public were met<br>train, exercise, p<br>events routinelv.  | for Provision of E<br>Functional Need<br>Additionally, we  | a county Volun<br>multiagency co<br>volunteers during  | scale exercise v<br>partners, provid<br>free emergency  | County Medic<br>community resilie<br>partnerships an<br>mindset in our<br>include: enaga   | Emerg<br>BI                          |

# imergency Preparedness Builds Resilience

g an emergency. We also partnered with other ling in a reunification training workshop and full-with 42 of our local response and community ency by strengthening emergency preparedness argency Preparedness program and Livingston al Reserve Corps focused on increasing ds to aid at-risk individuals during a response. ordination required to organize and mobilize id promoting a preparedness and wellness with our partners to ensure the needs of the mergency Services to People with Access and agencies to create the Livingston County Plan teer Management Committee to address the ing preparedness and wellness outreach and senior and youth population. lan and prepare for public health emergency ounty – measles and hepatilis A – and worked responded to two real communicable disease go-kits to 75 seniors in our county, and forming uals to be prepared. It is our goal to continue to build and strengthen to meet the needs of our community and to Our departmental staff and MRC volunteers Key highlights

