STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
LOCAL AGENCY
PROGRAM PROJECT

TOWNSHIP ROAD TR 22 (BENNETT ROAD) SECTION: 17-16127-00-BR, NON-MFT
VIENNA TOWNSHIP
GRUNDY COUNTY
ROAD CLASSIFICATION - LOCAL
DESIGN SPEED - 30 M.P.H.
ADT = <50

EXISTING ROAD
DIRT ROAD
WIDTH VARIES
(OVERGROWN WITH VEGETATION)

PROPOSED IMPROVEMENT
INSTALL 2 PIPE ARCH CULVERTS
PLACE EMBANKMENT UP TO SUBGRADE
10" AGGREGATE ROAD BASE COURSE (BY OTHERS)
INSTALL GABIONS

PROPOSED IMPROVEMENT
BENNETT ROAD ENDS STA 37+00

PROPOSED IMPROVEMENT
BENNETT ROAD BEGINS STA 14+86

GROSS LENGTH SECTION: 17-16127-00-BR: 2,214 FT. = 0.419 MI.
OMISSION: 1500 FT. = 0.284 MI.
NET LENGTH: 714 FT. = 0.135 MI.

UTILITIES
J.U.L.I.E. SYSTEM - THE TOLL FREE TELEPHONE NUMBER FOR JOINT UTILITY LOCATING INFORMATION FOR EXCAVATOR IS 800-892-0123

These plans were prepared by me or by a full time member of my staff working under my personal supervision.

[Signature]
May 20__
COUNTY ENGINEER

[Signature]
June 22 20__
DISTRICT ENGINEER OF LOCAL ROADS & STREETS

[Signature]
[Date]
DISTRICT ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
### SUMMARY OF QUANTITIES

<table>
<thead>
<tr>
<th>CODE NO.</th>
<th>ITEM</th>
<th>UNIT</th>
<th>QUANTITY</th>
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<tbody>
<tr>
<td>20200100</td>
<td>EARTH EXCAVATION</td>
<td>CU YD</td>
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<td>20300100</td>
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<td>20400800</td>
<td>FURNISHED EXCAVATION</td>
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<td>28100107</td>
<td>RIPRAP CLASS A4</td>
<td>SQ YD</td>
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<td>GABIONS</td>
<td>CU YD</td>
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<td>50101300</td>
<td>REMOVAL OF SUPERSTRUCTURES</td>
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<td>54200000</td>
<td>PIPE CULVERTS, CLASS D, TYPE 1 (142&quot; X 91&quot; PIPE ARCH)</td>
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<td>140</td>
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<td>X25010000</td>
<td>SEEDING CLASS 2 (SPECIAL)</td>
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<td>X70201266</td>
<td>TRAFFIC CONTROL AND PROTECTION (SPECIAL)</td>
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* DENOTES SPECIAL PROVISION

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**PROJECT BENCHMARKS**

- **BM #1**: RR SPALKE IN POWER POLE AT STA. 18+53, ELEVATION 536.54
- **BM #2**: NORTHWEST CORNER OF TOP OF OLD SOUTH BRIDGE ABUTMENT AT STA. 23+18, ELEVATION 928.48
- **BM #3**: SOUTHEAST CORNER OF TRANSFORMER BOX CONCRETE PAD AT STA. 18+45, ELEVATION 535.22

**NOTE:** ELEVATION FOR BENCHMARKS WAS DERIVED FROM GPS ELEVATION USED ON THE ORIGINAL TOPOGRAPHIC SURVEY.

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**GENERAL NOTES:**

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE CONTRACTOR SHALL NOTIFY THE CONTRACTING AGENCY AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS VISITED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE DIMENSIONS AS INDICATED IN THE SUB-NUMBER LISTS IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

PRIOR TO COMMENCING EROSION CONTROL, THE CONTRACTOR SHALL LEVEL THE TOPSOIL FROM THE EROSION CONTROL AREAS. THE TOPSOIL SHALL BE STORED UNTIL IT IS REPLACED WITH THE TOP LAYERS OF TOPSOIL OVER THE EROSION CONTROL AREAS AT A MINIMUM DEPTH OF 4 INCHES.

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**THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:**

- **GRANULAR MATERIALS**: 2.10 TON/CU YD

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**STATE OF ILLINOIS**

COUNTY OF GRundy

COUNTY ENGINEER

DRAWN BY:...

CHECKED BY:...

ISSUE:...

DATE:...

REV: 5/20-17
### EARTHWORK SCHEDULE

<table>
<thead>
<tr>
<th>LOCATION</th>
<th>EARTHW. EQUAT. (QAD)</th>
<th>EARTHW. EQUAT. (TOPSOIL)</th>
<th>EARTHW. SAVAGE (QAD)</th>
<th>EARTHW. SAVAGE (TOPSOIL)</th>
<th>EARTHW. EQUAT. (TYPICAL)</th>
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<td>891</td>
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<td>838</td>
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<tr>
<td>TOTAL</td>
<td>118</td>
<td>318</td>
<td>891</td>
<td>565</td>
<td>838</td>
</tr>
</tbody>
</table>

**NOTE:** An existing topsoil depth of 12" was used in this design.

### TYPICAL EXISTING CROSS SECTION

TR 22 (BENNETT ROAD)

**SCALE = NOT TO SCALE**

EXISTING DIRT ROAD (OVERGROWN WITH VEGETATION)

### TYPICAL PROPOSED CROSS SECTION

TR 22 (BENNETT ROAD)

**SCALE = NOT TO SCALE**

PROPOSED 18' WIDE 10' COMPACTED AGGREGATE BASE (BY OTHERS)

### SUMMARY OF WORK

1. Install 2 pipe arch culverts at stream crossings.
2. Fill and shape roadway subgrade in work area.
3. Install riprap and galvanized protection on slopes as shown in these plans.
4. Seed slopes and other non-roadway disturbed areas not protected by riprap.
5. Stone for roadway and subgrade outside work area shall be done by others.

### ROUTE SCHEDULE

<table>
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<tr>
<th>ROUTE</th>
<th>CROSS LENGTH FEET</th>
<th>REVISION FEET</th>
<th>NET LENGTH FEET</th>
<th>MILES</th>
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<tbody>
<tr>
<td>TR 22</td>
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<td>3,500</td>
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**TOTALS**

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<td>2,214</td>
<td>3,500</td>
<td>714</td>
<td>0.135</td>
</tr>
</tbody>
</table>
**TYPICAL FILL DETAIL**

**NOTES:**
1. FILL IS TO BE PLACED IN 8" MAX LIFTS AND SHALL BE COMPACTED WITH A SHEEPSFOOT ROLLER OR OTHER APPROVED METHOD TO THE SATISFACTION OF THE ENGINEER.
2. CLAY MAY BE USED AS A SUBSTITUTE FOR TOPSOIL.
3. CONTRACTOR SHALL ENSURE AT LEAST 6" OF TOPSOIL IS PLACED ON THE TOP OF THE EXPOSED SLOPE TO PROVIDE FOR VEGETATION TO GROW.

**TYPICAL PIPE TRENCH DETAIL**

**NOTE:** CLAY MUST BE WIDE ENOUGH COVER THE BEDDING STONE WIDTH AND CONNECT TO CLAY UNDER ROADWAY.