

**GENERAL NOTES**

- THE LOCATIONS OF EXISTING UTILITIES, AS SHOWN ON THE PLANS, ARE BASED UPON FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE EXACT LOCATIONS FROM THE UTILITY COMPANIES PRIOR TO BEGINNING ANY EXCAVATION.
- WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- ALL EXISTING PUBLICLY AND PRIVATELY OWNED UTILITIES REQUIRING ADJUSTMENT WILL BE MADE BY THE UTILITY COMPANY INVOLVED UNLESS OTHERWISE NOTED. WHERE NO PROVISIONS HAVE BEEN MADE FOR ADJUSTMENTS ON THE PLANS, NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO DELAYS OR INCONVENIENCE CAUSED BY SAID UTILITY ADJUSTMENTS.
- EXISTING PAVEMENT, SIDEWALK, AND CURB & GUTTER THAT ARE INTENDED TO REMAIN BUT ARE DAMAGED DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
- DISABLED ACCESSIBILITY FEATURES (SIDEWALK SLOPES, CURB RAMPS, ETC) SHALL NOT DEVIATE FROM THE PLANS AND STANDARDS INCLUDED. CONSTRUCT RAMPS AT ALL SIDEWALK -ROADWAY INTERSECTIONS AS SHOWN ON THE PLANS.
- TEMPORARY AGGREGATE SURFACE SHALL BE USED FOR DRIVEWAYS AND ROADWAY CROSSINGS AFTER STORM SEWER INSTALLATION AND DURING DRIVEWAY, CURB, AND PAVEMENT CONSTRUCTION OPERATIONS AND AT LOCATIONS AT THE DIRECTION OF THE ENGINEER. THE COST OF TEMPORARY AGGREGATE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICES FOR AGGREGATE FOR TEMPORARY ACCESS.
- MAILBOXES WHICH INTERFERE WITH THE PROPOSED IMPROVEMENTS SHALL BE CAREFULLY REMOVED BY THE CONTRACTOR, INSTALLED AT A TEMPORARY LOCATION AND REINSTALLED AT A PERMANENT LOCATION WHEN ALL ROADWAY WORK IS DONE AS DIRECTED BY THE ENGINEER AND APPROVED BY PROPERTY OWNER. RELOCATING MAILBOXES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.
- WATER MAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS AND THE SPECIAL PROVISIONS.
- WHEREVER IT IS NECESSARY TO REMOVE EXISTING GRAVEL OR CRUSHED STONE BASE COURSE, IT SHALL BE REMOVED AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ADDITIONAL LABOR OR EQUIPMENT REQUIRED.
- THE CONTRACTOR MAY BE REQUIRED TO CONDUCT SOME OF HIS GRADING OPERATIONS AROUND TRANSMISSION POLES AND UNDER TRANSMISSION LINES. THE ADDED COST OF SO DOING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE VARIOUS BID ITEMS BEING CONSTRUCTED.
- TRENCH BACKFILL SHALL BE PROVIDED UNDER ALL ROADWAY SURFACES, DRIVEWAYS, AND SIDEWALKS.
- EXISTING DRAINAGE PIPES CONNECTED TO NEW STRUCTURES: IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS, THE CONNECTING OF EXISTING DRAIN TILES, PIPE CULVERTS OR STORM SEWER TO THE PROPOSED DRAINAGE SYSTEM STRUCTURES WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE PAY ITEMS PROVIDED.

**ENVIRONMENTAL REVIEWS**

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS WILL NEED TO BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (ENVIRONMENTAL SURVEY REQUEST)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- SIGNED PROPERTY OWNER AGREEMENT FORM -D4 P10100
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA
- BORROW AREA ENTRY AGREEMENT FORM -D4 P10101

PLEASE NOTE THAT A MINIMUM OF TWO WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED ENVIRONMENTAL CLEARANCES.

**SOIL REPORT AVAILABILITY**

ALL SOILS DATA COLLECTED AND PROCESSED FOR THE SOILS REPORT MADE IN CONJUNCTION WITH THE DESIGN OF THIS IMPROVEMENT IS ON FILE AT THE CITY OF MACOMB WHERE IT IS AVAILABLE FOR INSPECTION BY CONTRACTORS OR PROSPECTIVE BIDDERS. BY SUBMITTING A BID, THE CONTRACTOR ACKNOWLEDGES THAT THE SOILS REPORT HAS BEEN MADE AVAILABLE AND IS AWARE OF THE REPORT CONTENTS AND APPENDICES.

**LEGEND**

- |        |  |          |                                     |
|--------|--|----------|-------------------------------------|
| ---    | PROPERTY LINE                            | GV       | GAS VALVE                           |
| ---    | EXISTING RIGHT OF WAY                    | □ PED    | UTILITY PEDESTAL                    |
| ---    | PROPOSED RIGHT OF WAY                    | *        | LIGHT POLE                          |
| ---    | PROPOSED TEMP CONSTR. EASEMENT           | →        | POWER POLE AND GUY WIRE             |
| ○      | FOUND IRON MARKER                        | ⊙        | EXISTING MANHOLE                    |
| ~      | TREE LINE                                | ⊕        | BUSH                                |
| ---    | EDGE OF FIELD                            | ⊙ 12"    | EXISTING PINE TREE W/ SIZE          |
| ---    | EDGE OF ROAD                             | ⊙        | EXISTING FIRE HYDRANT               |
| ==     | CONCRETE CURB                            | ⊙ WW     | EXISTING WATER VALVE                |
| ---    | EDGE OF GRAVEL                           | ⊕        | EXISTING DOMESTIC WATER METER VAULT |
| W      | EXISTING WATER MAIN                      | ⊕        | EXISTING DOMESTIC WATER SERVICE BOX |
| ---    | EXISTING SANITARY SEWER                  | INL (OR) | EXISTING STORM INLET                |
| ---    | EXISTING STORM SEWER                     | ⊙        | SATELLITE DISH                      |
| ---    | PROPOSED STORM SEWER                     | TOP      | TOP OF MANHOLE ELEVATION            |
| W      | PROPOSED WATER SERVICE                   | IE       | INVERT ELEVATION                    |
| INL-2  | PROPOSED STORM INLET W/ DESIGNATION      | EP       | EDGE OF PAVEMENT ELEVATION          |
| MH-B   | PROPOSED STORM MANHOLE W/ DESIGNATION    |          |                                     |
| STM-55 | PROPOSED STORM PIPE DESIGNATION          |          |                                     |
| ⊕      | RELOCATED DOMESTIC SERVICE BOX AND METER |          |                                     |

AGGREGATE (SURFACE, BASE OR BACKFILL)	2.05 TONS/CU YD
BITUMINOUS MATERIALS (PRIME COAT)	0.08 GAL/SQ.YD.
BITUMINOUS SURFACE AND BINDER	0.056 TONS/SQ.YD./INCH
SEEDING AREAS	
NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE
MULCH	2 TONS/ACRE

**LIST OF BENCH MARKS**

BM #7 - CAP BOLT IN WORD "MUELLER" ON FIRE HYDRANT NE CORNER OF WARD AND JEFFERSON ELEVATION 700.85

BM #8 - CAP BOLT IN WORD "MUELLER" ON FIRE HYDRANT SE CORNER OF WARD AND WASHINGTON ELEVATION 702.41

**LIST OF UTILITIES**

- J.U.L.I.E. ————— 1-800-892-0123
- WATER ————— CITY OF MACOMB
- SANITARY SEWER ————— CITY OF MACOMB
- STORM SEWER ————— CITY OF MACOMB
- TELEPHONE ————— VERIZON
- GAS ————— AMEREN CIPS
- ELECTRIC ————— AMEREN CIPS
- CABLE TELEVISION ————— COMCAST

CITY OF MACOMB-WARD STREET	
SEC. 09-00139-01-PV	F.A.U. 6919
PROJ. ARA-5040 (010)	
CONTRACT No. 89527	SHT 2 OF 32

SHEET NO.  
**2**  
of **32**

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PLOTTING SCALE:	1" = 1'
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DATE:	MARCH 2009

NO.	REVISIONS	ITEM	DATE

**WARD STREET IMPROVEMENTS - PHASE 2**  
**GENERAL NOTES, LEGEND AND BENCH MARKS**  
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 SOUTH WARD ST.  
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