

SECTION 200

GENERAL SPECIFICATIONS

STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION
CITY OF MANITOWOC, WISCONSIN

SECTION 200
GENERAL SPECIFICATIONS

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SECTION 200 - GENERAL SPECIFICATIONS

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201 - GENERAL WORK PROVISIONS

Unless specifically stipulated otherwise in the Contract Documents, the requirements of this section shall be applicable to all of the Contractor's work under the contract.

The Contractor shall perform the work on the project as an independent contractor. Under no circumstances will the Contractor be deemed an employee or representative of the City.

The Contractor shall furnish all materials not specifically listed as being furnished by the City, and all labor, equipment, materials, supervision, tools, supplies, and incidentals required to complete the project.

The Contractor shall consider the specifications and drawings to be complementary. Those items that are necessary to complete the work, which are shown on the drawings but not specifically covered in the specifications, or which are covered in the specifications but not shown on the drawings, shall be furnished by the Contractor as though detailed and described in both.

The specifications and drawings may not be complete in every detail. The Contractor shall comply with their manifest intent and general purpose, taken as a whole, and shall not avail himself of any errors or omissions therein to the detriment of the work or the Owner. Should any conflict, error, omission or discrepancy appear in the drawings and specifications, instructions of Owner or Engineer, or in work performed by others, the Contractor shall notify the Engineer at once, and the Engineer will issue a written clarification, which is to be followed by the Contractor. If the Contractor proceeds with any of the work in question prior to receiving such clarifications, all necessary corrections shall be at the Contractor's expense.

The Contractor shall not subcontract any portion of the work, or perform any extra work, without prior written approval by the Engineer. The subcontractor's list in the contract documents serves as that approval. Any changes after contract execution must be approved in writing.

The Contractor shall comply with all of the governmental rules and regulations applicable to work associated with the project.

The Contractor shall provide a competent construction supervisor for the project. Said supervisor shall be on the job site at all times directly supervising construction. Any instructions given to said supervisor by the Engineer shall be considered as having been given to the Contractor.

After the work has been awarded to the Contractor, the Engineer shall furnish the Contractor, with reasonable promptness, as many reproductions of the Plans and Specifications as the Engineer feels necessary to properly perform the work.

The Engineer shall, at their discretion, call for regularly scheduled project update meetings. If so, the Contractor and all subcontractors, who have active project work, shall send a responsible person to each and every meeting. If the Contractor or subcontractor cannot attend, they shall call in advance of the meeting to excuse themselves.

The Contractor shall be responsible for all notifications to abutting property owners regarding construction activities and road closures. The Contractor shall do so by writing a letter/notice and then either hand deliver or mail the construction notice to all affected property owners prior to starting the work on each street. The Contractor shall submit a copy of all notices to the Engineer prior to distribution to the property owners. The City will forward telephone calls regarding construction scheduling and access problems, etc. to the Contractor so that communication is clear. All costs for preparing and delivering all of these construction notices shall be classified as incidental.

The Contractor shall carefully remove all existing (curbside) mailboxes within the construction limits on all of the streets included in this project. The Contractor shall carefully place the existing mailboxes in a safe place on each respective property.

The Manitowoc Post Office is willing to furnish the Contractor with temporary mailboxes and deliver them to the location of the temporary mailbox site. The temporary mailboxes come in a bank of boxes, having one support column, with each bank of boxes having 8, 12, or 16 individual mailboxes. The mailbox support column must be anchored to a slab of concrete. The concrete shall be furnished and installed by the Contractor and the concrete slab shall be a minimum of two feet (2') wide by three feet (3') long and four inches (4") thick or built to the dimensions required by the Post Office.

The Contractor shall contact the Manitowoc Post Office at (920) 682-6166 to arrange and discuss the delivery and installation requirements of the temporary mailboxes. The Contractor shall affix the property owner's address to each individual mailbox as directed by the Post Office.

The Contractor may, as an alternate, furnish and install his own bank of mailboxes, which shall be supported on wooden supports, all to the satisfaction of the Engineer and the Post Office. The Contractor shall affix the property owner's address to each mailbox.

The Contractor shall remove the temporary bank of mailboxes at the completion of the project and shall restore all disturbed areas with topsoil and seed.

The Contractor shall not be responsible for replacing the existing permanent mailboxes in front of each property upon completion of the street improvement.

All costs for removing the existing mailboxes in front of each property, installing and anchoring each temporary bank of mailboxes including the concrete slab, removal of the temporary bank of mailboxes, the concrete slab and all lawn restoration shall be included in the unit price bid for **each bank of** "Temporary Mailboxes".

The Engineer or his representative shall take the final measurements for all work under this contract. The Contractor may elect to have a representative present during the final measurements. If the Contractor does not have a representative present for final measurements, then the Engineer's measurements will stand as the final measurement.

For every calendar day of delay in the completion of the work beyond the time specified, unless extended by written agreement, there shall be deducted from the amount due under this Contract as fixed, agreed and liquidated damages, the sum of One Hundred Dollars (\$100), unless the Contract's Special Provisions and Conditions provides for a different amount. This sum shall be due to the Owner from the Contractor by reason of inconvenience to the public and other items, which have caused an expenditure of public funds resulting from his failure to complete the work within the time specified in the contract.

The Contractor shall be liable for extra inspection charges the City incurs due to the Contractor's failure to meet the specified completion date(s). For every working day of delay in completion of the work beyond the time specified, unless extended by written agreement, there shall be deducted from any monies due the Contractor the sum of Two-Hundred Fifty Dollars (\$250) for inspection fees incurred as a result of the late work, unless a different amount is provides for in the Contact's Special Provisions and Conditions.

202 - PRECONSTRUCTION CONFERENCE

Before work commences on the project, the Engineer will schedule and hold a Preconstruction Conference. The Contractor's construction supervisor and the foremen for any and all subcontractors shall attend this meeting. Representatives of the Gas, Electric, Telephone Utilities, Cable TV, Water Utility, Sewer Utility, Department of Public Works, and others deemed necessary will also be invited to attend.

A detailed written schedule of construction activities shall be submitted by the general contractor and discussed at this meeting and shall be agreed upon by all involved. The Contractor shall not hold the City responsible for any added expenses due to alteration of the Contractor's proposed schedules to meet the needs of the City or the utilities. All such schedules shall meet the executed contract time requirements.

If the Engineer deems it necessary, there will also be a preconstruction conference with each subcontractor at least two working days prior to the start of work by the subcontractor.

Normally included in the agenda items for the Preconstruction Meeting are the following subjects:

1. Project schedule proposed by Contractor.
2. Traffic control plans / Access to Properties
3. Haul routes proposed by Contractor.
4. Disposal sites proposed by Contractor.
5. Erosion control plans.
6. Inspection and Testing.
7. Staking.
8. Measurement of quantities.
9. Specifications.
10. Material Certificates.
11. Land Survey Monuments
12. Utility Conflicts, Timing and Coordination.
13. Other Pertinent Issues

203 - PROJECT STAKING

203.1 Reference Points

The Owner shall provide engineering surveys to the Contractor to establish reference points for construction, which in the Engineer's judgment are necessary to enable the Contractor to proceed with the work. Such reference points will include elevations and locations. The Engineer shall be responsible for laying out the work, the Contractor shall protect and preserve the established reference points, and the Contractor shall not alter the reference points without the prior written approval of the Engineer.

203.2 Staking and Restaking

The Contractor shall report to the Engineer whenever any reference point is lost or destroyed or requires relocation because of necessary changes in grades or locations, and the Contractor shall be responsible for the cost of the Engineer accurately replacing or relocating such reference points.

Upon completion of the staking of any segment of the project by the Engineer, the Contractor shall assume full responsibility for protecting all stakes and offsetting any additional stakes or grades which he may desire. A cost of \$50 per stake for re-staking or staking by the Engineer which is required due to the neglect of the Contractor shall be deducted from any monies due or which may become due to the Contractor.

The Contractor shall give notice to the Engineer at least two working days prior to any staking needed on the project or any segment thereof. He shall also give notice to the Engineer at least one working day prior to any restaking needed on the project.

When offset stakes are set, the offset from the line shall be as requested by the Contractor, or recommended by the Engineer at the preconstruction conference, unless field conditions do not permit it.

203.3 Staking Standards

The following staking standards outline the number and location of stakes that the Engineer will set for various types of work unless otherwise requested by the Contractor and agreed to by the Engineer during the Preconstruction Conference.

Other staking requests by the Contractor shall be made in writing to the Engineer prior to commencement of the project.

203.3.1 Earthwork for Roadways

The Engineer will provide one (1) set of offset slope intercept grade stakes at one hundred (100) foot intervals on each side of the roadway.

After the major earth moving is completed, and upon a request by the Contractor, the Engineer will provide one (1) set of grade stakes on centerline (or other location requested by the Contractor) at fifty (50) foot intervals. The Engineer will also provide stakes to mark the points of curvature and points of tangency for horizontal and vertical curves.

203.3.2 Sanitary and Storm Sewer

The Engineer will provide stakes in one of the following methods:

1. For contractors using lasers, the Engineer will provide, for each sewer line, one stake at the center of the manhole, one offset stake at each manhole, and one offset stake located twenty-five (25) feet and fifty (50) feet from each manhole and at every one hundred (100) feet thereafter.
2. For contractors not using lasers, the Engineer will provide, for each sewer line, one stake at the center of the manhole, one offset stake at each manhole, and one offset stake at twenty-five (25) foot intervals between manholes.
3. For catch basins and/or inlets, the Engineer will provide three stakes for alignment with one stake also serving as a grade stake. The alignment stakes shall be offset parallel to and referenced to the curb. At the Preconstruction Conference the Contractor shall specify whether the alignment stakes shall reference the back of the curb (BOC) or the face of the curb (FOC). The grade stake will be labeled with the differences in elevation between the top of the grade stake and;
 1. the top of the grate at the face of the curb,
 2. the invert of the connecting pipe(s), and
 3. the top surface of the bottom slab of the catch basin box, (if any).

All grade elevations and depths shall be referenced to the intersection of the inverts or the bottom of the inlet at the center of the Structure.

203.3.3 Watermain

The Engineer will provide one set of offset grade stakes at all horizontal and vertical break points, at all fittings, and at fifty (50) foot intervals. In addition, the Engineer will provide a set of offset stakes for all hydrants and valves.

203.3.4 Curb and Gutter

The Engineer will provide offset grade stakes at 25 foot intervals on vertical curves and horizontal curves. Intermediate points between the stakes shall be adjusted by the Contractor to form a smooth line for grade and alignment. All straight sections of alignment and grade (horizontal and vertical tangent sections) will be staked at fifty (50) foot intervals. The Engineer shall also stake the radius points for all curves. When it is not possible to set the radius point, an offset stake shall be set for the midpoint of the curve.

203.3.5 Sidewalk

The Engineer may provide stakes for sidewalk. Generally, grade and alignment shall be set by the Contractor from the curb as indicated on the plans and details, unless otherwise specified by the Engineer.

203.3.6 Concrete Paving

The Engineer will provide offset grade stakes at 25 foot intervals on vertical curves and horizontal curves. Intermediate points between the stakes shall be adjusted by the Contractor to form a smooth line for grade and alignment. All straight sections of alignment and grade (horizontal and vertical tangent sections) will be staked at fifty (50) foot intervals. The Engineer shall also stake the radius points for all curves. When it is not possible to set the radius point, an offset stake shall be set for the midpoint of the curve.

The Engineer shall set construction stakes or marks at 25-foot intervals. Set and maintain additional stakes as necessary to establish locations and grade along intersecting road radii; and for auxiliary lanes, vertical curves, horizontal curves, and curve transitions according to the plans. Locate stakes to within .02 feet of the true horizontal position, and establish elevations to within .01 feet of the true vertical position. Set and maintain sufficient additional stakes at each cross-section to achieve the required accuracy and to support the method of operations.

204 - LAND SURVEY MONUMENTS

204.1 U.S. Public Land Survey Monuments

Land survey monuments which are part of the U.S. Public Land Survey such as Section Corners, Quarter Section Corners, Centers of Sections, Meander Corners, and Witness Corners which are in danger of being disturbed or destroyed by work done under these specifications shall be perpetuated in accordance with Section 236.34 of the Wisconsin Statutes. Anyone failing to follow these procedures is subject to penalties set forth in said statute.

204.2 Other Land Survey Monuments

Land survey monuments such as property corners, point of curvature monuments, meander corners or any other monument in danger of being disturbed or destroyed by work done under these specifications shall be referenced prior to being disturbed or destroyed and reset after completion of said work by a licensed Land Surveyor at the Contractor's expense. Anyone failing to follow these procedures is subject to penalties set forth in Section 236.32 of the Wisconsin Statutes.

The City shall mark all monuments and record them on a map prior to starting construction. The City shall then give the Contractor a map of all irons found and located. The property irons shall be marked with a 4-foot high steel post/rebar that has a sign indicating that it is a survey marker/monument that shall not be disturbed. The Contractor may verify if he wishes. After the project is complete, the City and a representative of the Contractor will locate and determine monuments that need to be replaced. The Contractor shall be responsible to protect and preserve the established survey markers and property irons.

205 - MATERIALS

205.1 General

The Contractor shall furnish all items necessary to complete the work that are not specifically named as being furnished by the City. All materials furnished by the Contractor shall be new, sound, and free of defects, and of the size and quality indicated in the Contract Documents.

All materials shall be stored in such a manner as to preserve their quality.

Temporary bracing and shoring, installation aids, scaffolding, testing materials, and equipment shall be furnished by the Contractor and be in safe, serviceable, and adequate condition.

All materials furnished by the Contractor shall be subject to inspection and testing by the Engineer at the mill, shop, and job site. However, inspection at the mill or shop will not relieve the Contractor of the responsibility of furnishing satisfactory materials. When materials and workmanship do not conform to the specification requirements, the Engineer reserves the right to reject any material or workmanship, or both, at any time before final acceptance of the work. The Engineer will make a good faith effort to inspect the materials prior to their incorporation into the work.

No deviations from the specifications or the drawings will be made without written approval from the Engineer.

The Contractor may substitute materials of a quality equal to or greater than that specified in the Contract Documents, only upon written approval by the Engineer. Substitution of materials will be considered to be for the convenience of the Contractor and shall be at no additional cost to the City. Substituted materials shall be of equal strength or greater than the specified material. When substituted materials have a different unit weight, length, area, or volume from the specified materials, the substituted materials shall not be considered as increasing the total quantity for payment.

205.2 City-Furnished Materials

Unless otherwise specified in the Contract Documents, the Contractor shall furnish all materials for the work.

If the City is to provide some of the materials for the project, then such materials will be stored at a storage facility operated by the City or will be transported by the City to the project site, as specified in the Contract Documents. If the City-furnished materials are stored, the Contractor shall be responsible for furnishing all labor, equipment, and supplies, at no cost to the City, needed to transport the materials from the storage facility to the project site, including loading and unloading. If the City transports the City-furnished materials to the project site, the Contractor shall be responsible for furnishing all labor, equipment, and supplies, at no cost to the City, needed to unload the materials. The Contractor shall then store, protect from loss or damage, keep segregated, maintain, identify,

and use in an economical manner all City- furnished materials.

When the Contractor commences to load the City-furnished materials onto his vehicles at the storage site, the Contractor shall then become responsible for the safe keeping of such materials and shall repair or replace, at no cost to the City, any City-furnished items or materials that subsequently become damaged or lost.

The Contractor shall maintain all excess City-furnished items, materials, and useful scrap in a segregated area. Prior to completing construction of the project, and at no cost to the City, the Contractor shall give the Engineer a tally of the good material, load, deliver, and unload said usable materials at a storage facility designated by the City. All excess City-furnished materials, which the Engineer determines to be unusable shall become the property of the Contractor and shall be properly disposed of off site.

205.3 Material Certification

Upon the City's request, within 48 hours, the Contractor shall furnish the Engineer with a certificate of certification (certificate of compliance) for those items or materials requiring certificates as specified in these Standard Specifications. The certificate shall certify that the material or item complies with the requirements of the appropriate specification or standard. A certificate shall be provided for each lot, which is to be used on the project.

The Contractor shall furnish the Engineer with a copy of the certificate prior to the start of any work on the project, which will be utilizing items covered by the certification.

As a minimum, the information on the certificate shall include the following:

1. Name, address, and telephone number of the manufacturer.
2. Manufacturer's plant name or plant number.
3. Name, address, and telephone number of the supplier, if the supplier is not the manufacturer.
4. Date of Certification.
5. Type, size, and class of item being certified.
6. Specification to which the item conforms.
7. Lot number(s) of item being certified.
8. Name, title, and signature of person authorized to certify.
9. Name of Contractor.
10. Name of project on which material will be used.

The lot number or other identification number that appears on the item shall be referenced on the certificate.

206 - INSPECTION AND TESTING

206.1

General

All materials and each part or detail of the work shall be subject to inspection by the Engineer at all times. Such inspection may include mill, plant, field, or shop inspections. The Engineer shall be allowed access to all parts of the work, and shall be furnished with such information and assistance by the Contractor as is required to make a complete and detailed inspection. The presence or absence of an inspector shall not relieve the responsibility or obligation of the Contractor in any degree.

If materials do not prove uniform and satisfactory, they shall be rejected by the Engineer with said rejection being based solely on the tests prescribed on the materials involved.

Materials and samples shall be stored in such a manner as to preserve their quality.

Samples of materials shall be taken in accordance with standard practices and as often as the Engineer deems advisable or necessary. The Contractor shall prepare test samples under the guidance of the Engineer.

All costs of sampling and testing shall be paid by the Contractor, unless specifically identified as being paid for by the City in the contract documents or otherwise in writing.

The Contractor shall allow the Engineer a reasonable period of time for the performance of inspections. Such time shall be consistent with the type and complexity of the inspection.

The Engineer and the Contractor shall make their best cooperative effort to schedule and perform inspections so as not to impede the schedule and progress of the Contractor's work.

The City reserves the right to have its representative travel to the point of origin or manufacture of any materials, whether raw or finished, to make inspections and rejections of materials not conforming to the specifications. Such travel and inspection shall be at no cost to the Contractor.

206.2

Repairs or Replacement of Defective Work or Materials

Rejected work or material shall be repaired or replaced by the Contractor at no cost to the City. The decision as to whether to repair or replace the material shall be determined by the Engineer at his sole discretion.

The City will not be responsible for organizing or supervising repairs. The Contractor shall be solely responsible for these functions and shall be required to provide the necessary control to see that the work is completed in an orderly and timely fashion.

Repairs or replaced material will be subject to reinspection by the Engineer prior to incorporation of the materials into the work.

The City will bear the cost of repairing or replacing defective items or materials furnished by the City, if required.

All costs to remove, repair, or replace defects in the Contractor's work or materials shall be at the Contractor's expense. The costs associated with removal and replacement of items that subsequently are proven to be nondefective are to be at the City's expense and will be performed as extra work.

206.3 Inspection on Weekends and Holidays

No work shall be done on Sundays or City recognized legal holidays if, in the opinion of the Engineer, that work requires inspection.

If the Contractor intends to do work on a Saturday he shall notify the Engineer of his intent on or before the preceding Thursday. The Contractor is strongly discouraged from working on Saturdays when a City recognized legal holiday is observed on the preceding Friday or following Monday. If the Contractor fails to provide the required notice of intent to work on a Saturday, then no work that requires inspection, in the opinion of the Engineer, will be done on that Saturday.

207 - PROJECT AREA MAINTENANCE

207.1 Cleaning

Where work on any project lies within areas of pedestrian traffic and/or vehicular traffic, the project area shall be cleaned and swept and all materials related to the project shall be stockpiled in appropriate areas. At the end of each working day, the Contractor shall remove any soil or trash that washed or was deposited on any paved streets by the Contractor's operations. Sweeping shall be done weekly on every Friday, or on the last working day prior to a holiday or special City activity, or whenever deemed necessary by the Engineer. If the Friday is a City or national holiday, the sweeping shall be done on the last working day prior to the holiday. If this requirement is not followed to the Engineer's satisfaction, the City will perform the cleanup and any and all costs will be permanently withheld for the Contract.

207.2 Maintaining Flow in Gutters

The flow line of gutters must not be obstructed at any time without the Engineer's approval. When it is necessary to cover a gutter, the Contractor shall install a continuous pipe or timber drain of sufficient size to carry the storm waters along the gutter. Such pipe or drain shall be kept open and free from obstruction.

207.3 Maintaining Sewage or Storm Water Flow

The Contractor must provide for the constant and/or intermittent flow in existing sewers, water courses, culverts, gutters, catch basins, drains, etc., which are affected by the prosecution of the work. All such existing structures which are disturbed shall be restored by the Contractor to the satisfaction of the Engineer in a timely manner.

207.4 Disposal of Water and Sewage

All storm or ground water which is to be removed from the site of the work must be reasonably free from sediments as defined by City ordinance and State regulations and must be conveyed to a point approved by the Engineer. All sanitary sewage must be conveyed by closed pipe or hose to a point approved by the Engineer. Proper precautions must be taken to prevent trash, clay, sand or silt from entering existing storm and sanitary sewers.

207.5 Maintenance of Public and Private Underground Structures and Appurtenances

Access must always be maintained to fire hydrants and fire alarms; water and gas valves; catch basins; and sewer, water, utility, and other manholes. Whenever access to any such structure is obstructed or interfered with during the progress of the work, the Contractor shall minimize the time of the obstruction or interference and shall not leave the structure obstructed over night.

207.6 Dust Reduction

When dust occurs as a result of items constructed or construction activity, or when directed by the Engineer, the Contractor shall minimize the dispersion of dust by the application of water or other approved dust control materials on trench surfaces, road beds, exposed ground, haul roads, or temporary roadways. The Contractor shall furnish and apply the dust control materials as many times as necessary to control the dust to a level acceptable to the Engineer. Petroleum products are prohibited for use as dust control materials.

The Contractor shall utilize tarpaulins or dust palliatives on haul trucks as needed to control dust to a level acceptable to the Engineer.

All costs associated with dust control and reduction shall be included in the unit prices for the items of work that cause the dust. If the Contractor fails to meet the Engineer's approval for dust control, the City may control the dust and all costs for such control shall be withheld permanently from the Contract payments.

207.7 Stabilized Construction Entrance (Tracking Pad)

When specified in the contract, the Contractor shall provide a stabilized construction entrance (tracking pad) at the project site to control the tracking of mud and materials onto adjoining roadways. The tracking pad shall conform to the requirements of Section 802.4.

207.8 Open Burning Prohibited

The Contractor shall comply with all requirements of the Department of Natural Resources Air Pollution Control rules, which prohibit the open burning of weeds, brush, logs, limbs, stumps, roots, and other debris resulting from construction operations.

208 – RIGHT OF WAY EXCAVATION PERMIT

Except for work under a contract with the City, the Contractor shall be required to obtain a Right of Way Excavation Permit to work within a dedicated right-of-way or easement held by the City.

When a Contractor works for the City under a quote, purchase order or other non-contract vehicle, they shall obtain a Right of Way Excavation Permit.

209 - HAUL ROUTES

On projects requiring repetitive hauling of materials and prior to the start of the work, the Contractor shall advise the Engineer of his proposed material haul route(s) for the project. The Engineer may require that the Contractor modify his proposed route(s) to avoid damage to roadways.

Once the Engineer has approved the Contractor's proposed haul route(s) the Contractor shall notify all his suppliers and vehicle operators of the route(s).

The above review and approval shall be to clarify the route(s) and shall not relieve the Contractor of any responsibility for damage caused by him, his subcontractors, or his suppliers.

210 - DISPOSAL SITES

The Contractor shall advise the Engineer of all disposal sites in writing before or at the pre-construction meeting. The City shall reserve the right to reject disposal sites if said sites are in conflict with City codes (particularly its flood plain and wetland ordinances), whether or not the disposal site is within the corporate limits. Rejection of a disposal site shall not be cause for any extra payment to the Contractor.

Prior to the start of construction, the Contractor shall submit to the Engineer a copy of a document whereby the owner of the disposal site has granted permission to the Contractor to dispose of materials on his property.

Burning of waste material is prohibited within the City of Manitowoc. Disposal of materials by burning at sites outside the City shall be in conformance with applicable laws and regulations.

The City has the right of first refusal to all excess material. Any excess material refused by the City shall be properly disposed of by the Contractor and at the Contractor's expense.

The Contractor shall be responsible for cleaning up any material lost during transit to the disposal site. WDNR best management practices shall be followed both at the construction site and at the disposal site.

211 - USE OF CITY WATER SUPPLY

All connections to the City water supply system by the Contractor shall be subject to the requirements of and approval by the Manitowoc Public Utilities. The Manitowoc Public Utilities reserves the right to charge the Contractor for all water obtained from the City water supply system.

212 - BORROW MATERIAL AVAILABLE FROM THE CITY AND CITY OWNED FILL SITES

If the City has suitable borrow material available for the project, the City may make the borrow material and borrow site available to the Contractor. The Contractor shall have the option of using the material for the project. If the Contractor desires to use the material made available by the City, he shall negotiate a price with the Engineer for credit to the City. Said price shall be based on the Contractor loading, hauling, depositing, spreading, leveling, and compacting the material. The Contractor shall assume full liability for any damage or injuries incurred by hauling of said materials.

The Contractor shall be responsible for restoring the borrow site to prevent erosion and minimize liability. This may include, but is not limited to, regrading slopes, seeding, mulching, fertilizing, watering, and all erosion control measures.

If the City supplies a site for material disposal, the Contractor shall be responsible for first removing topsoil and turf; then is responsible for all costs associated with filling the area in compliance with City provided grade staking; and finally is responsible for all costs for restoring the topsoil, seed, mulch, etc. The Contractor shall be also responsible for all costs for erosion control measures.

213 - TRAFFIC CONTROL

The work shall be carried out in such a manner as to cause as little interference as possible with both pedestrian and vehicular traffic, ingress, and egress. All hindrances to vehicular or pedestrian traffic shall be properly marked, signed, and barricaded. All traffic control methods and procedures shall be in conformance with the requirements of Section 900 of these Standard Specifications.

214 - EROSION AND SEDIMENT CONTROL

The work on all projects shall be performed in such a manner as to provide adequate drainage, minimize erosion, and prevent sediment-laden water from leaving the project site. All erosion and sediment control methods and procedures shall be in conformance with the requirements of Section 800 of these Standard Specifications.

215 - FINAL CLEANUP

Upon completion of the work and prior to final acceptance of the project, the Contractor shall remove all surplus and discarded materials, rubbish and temporary structures from the project area and leave the project area in a neat, presentable condition. The Contractor shall restore, at his own cost and expense, all areas disturbed by his operations. Said restoration work shall be in general conformity with the specifications for the item or items involved. Final cleanup shall be considered incidental to the other items of the Contract, and no separate or additional compensation will be made therefore. Days shall be charged against the Contract Time until all cleanup is completed to the satisfaction of the Engineer.

- END OF SECTION 200 -