

# ADDENDUM No. 1

## ITB No. 4555

### Riverview Drive Sanitary Sewer and Water Main Extension Project

#### Bids Due: November 30, 2018 at 2:00 P.M. (Local Time)

The following changes, additions, and/or deletions shall be made to the Invitation to Bid for the Riverview Drive Sanitary Sewer and Water Main Extension Project, ITB No. 4555, on which proposals will be received on/or before November 30, 2018, at 2:00 P.M. (local time).

The information contained herein shall take precedence over the original documents and all previous addenda (if any), and is appended thereto. **This Addendum includes 44 pages.**

**Bidder is to acknowledge receipt of this Addendum No. 1, including all attachments (if any) in its Bid by so indicating on page ITB-1 of the Invitation to Bid Form. Bids submitted without acknowledgment of receipt of this addendum will be considered nonconforming.**

The following forms provided within the ITB document must be included in submitted bids:

- City of Ann Arbor Prevailing Wage Declaration of Compliance
- City of Ann Arbor Living Wage Ordinance Declaration of Compliance
- Vendor Conflict of Interest Disclosure Form
- City of Ann Arbor Non-Discrimination Ordinance Declaration of Compliance

**Bids that fail to provide these completed forms listed above upon bid opening will be rejected as non-responsive and will not be considered for award.**

## I. CORRECTIONS/ADDITIONS/DELETIONS

Changes to the Bid document which are outlined below are referenced to a page or Section in which they appear conspicuously. The Bidder is to take note in its review of the documents and include these changes as they may affect work or details in other areas not specifically referenced here.

### **Section/Page(s)**

### **Change**

IB-4                      Insert Current Wage Rate Decision that will be used for this project. The wage rate decision has been revised to **Heavy**. The decision in its entirety can be found on pages ADD-1-38 through ADD-1-44 of this addendum.

BF-1 thru BF-3              Delete pages BF-1 through BF-3 of the bid form pages of the contract documents. Replace these pages with BF-1-R1 through BF-3-R1 that are pages ADD-1-11 through ADD-1-13 of this addendum.

*Comment: The intent of this change is to replace pages of Section 1 Bid Form pages with the revised pages provided herein that are pages ADD-1-11 through ADD-1-13.*

<u>Section/Page(s)</u>	<u>Change</u>
ADD-1-14 through ADD-1-17	Add the Detailed Specification entitled "Audio-visual Recording 104A." This Detailed Specification shall become pages DS-147 through DS-150 of the contract documents. This detailed specification is pages ADD-1- 14 through ADD-1-17 of this addendum.

*Comment: This Detailed Specification is being added as it was inadvertently omitted from the originally published contract documents.*

ADD-1-18	Add the Detailed Specification entitled "Curb, Any Size or Type, Rem 204A." This Detailed Specification shall become page DS-151 of the contract documents. This detailed specification is pages ADD-1-18 of this addendum.
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*Comment: This Detailed Specification is being added as it was inadvertently omitted from the originally published contract documents.*

ADD-1-19	Add the Detailed Specification entitled "Soil Erosion Control Inlet Filter 208A." This Detailed Specification shall become page DS-152 of the contract documents. This detailed specification is pages ADD-1-19 of this addendum.
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*Comment: This Detailed Specification is being added as it was inadvertently omitted from the originally published contract documents.*

ADD-1-20 through ADD-1-21	Add the Detailed Specification entitled "Aggregate Surface Course 306A." This Detailed Specification shall become pages DS-153 through DS-154 of the contract documents. This detailed specification is pages ADD-1-20 through ADD-1-21 of this addendum.
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ADD-1-22 through ADD-1-23	Add the Detailed Specification entitled "No Parking Signs 812B." This Detailed Specification shall become pages DS-155 through DS-156 of the contract documents. This detailed specification is pages ADD-1-22 through ADD-1-23 of this addendum.
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*Comment: This Detailed Specification is being added as it was inadvertently omitted from the originally published contract documents.*

DS-18 through DS-26	Delete the existing Detailed Specification entitled "Machine Grading, Modified 205A." Replace with the Detailed Specification entitled "Machine Grading, Modified 205A" dated November 15, 2018. This detailed specification is pages ADD-1-24 through ADD-1-32 of this addendum.
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*Comment: This Detailed Specification has been revised to include the requirement that the work of fine grading the aggregate base course placed as maintenance gravel is included in the Machine Grading, Modified, \_\_\_\_\_" item of work and will not be paid for separately.*

**Section/Page(s)**      **Change**

DS-28 through  
DS-29                      Delete the existing Detailed Specification entitled “Subbase and Aggregate Base, 302A.” Replace with the Detailed Specification entitled “Machine Grading, Modified 205A” dated November 15, 2018. This detailed specification is pages ADD-1-33 through ADD-1-34 of this addendum.

*Comment: This Detailed Specification has been revised to remove the requirement that the 21-AA Limestone supplied to this project must have a maximum loss by wash of 8%. Also, the pay unit of item has been revised to be cubic yard (yd<sup>3</sup>).*

DS-48 & 49                      Delete the Detailed Specification entitled “Underdrain, Subbase, in Undercuts, 6 inch, Special, 404B.”

*Comment: This Detailed Specification has been deleted as it was inadvertently added to the contract documents.*

DS-82 through  
DS-84                      Delete the existing Detailed Specification entitled “Turf Establishment, 816D.” Replace with the Detailed Specification entitled “Turf Establishment 816D” dated November 15, 2018. This detailed specification is pages ADD-1-35 through ADD-1-37 of this addendum.

*Comment: This Detailed Specification has been revised to properly reference the appropriate thickness of topsoil to be placed as part of the project work.*

Plan Sheet 3 of 30                      Revise Note No. 26 to reference the new pay item “Aggregate Base, 21-AA (C.I.P.)”

*Comment: The revision to this note is being made to bring the plan note into conformance with the revised pay item and detailed specification.*

**Section/Page(s)**      **Change**

Plan Sheet 7 of 30                      Delete Note No. 2. Replace it with the following “2. New Sanitary Sewer shall consist of ASTM D3034 Solid Wall PVC SDR 35 pipe with water-tight, gasketed, joints, stone bedding, and compacted sand backfill placed in accordance with Trench Detail II. Deflection of PVC pipe after installation and backfill shall not exceed 5.0% of pipe diameter as specified within the contract documents.

*Comment: The revision to this note is being made to bring the plan note into conformance with the detailed specifications and contract documents.*

Plan Sheet 7 of 30                      Revise Note No. 8 to reference the revised pay item name “Sewer, SDR 35 PVC Pipe, 8-inch, Tr. Det. II.”

*Comment: The revision to this note is being made to bring the plan note into conformance with the revised pay item as shown on the revised bid form pages.*

<u>Section/Page(s)</u>	<u>Change</u>
Plan Sheet 7 of 30	Revise Note No. 9 to reference the revised pay item name "Sewer, SDR 35 PVC Pipe, 8-inch, Tr. Det. II."

*Comment: The revision to this note is being made to bring the plan note into conformance with the revised pay item as shown on the revised bid form pages.*

Plan Sheet 8 of 30	Add the following note to this sheet "Based on information provided by DTE Energy, it appears that the existing abandoned 4" gas main south of 580 Riverview Drive was a wrought iron gas main. The abandoned gas main northerly of 580 Riverview Drive is a coated steel gas main installed in 1950. The Contractor should plan for the fact that this coating may be an Asbestos Containing Material (ACM.) A record drawing of the existing gas mains in the project area is available for review by prospective bidders."
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*This note applies to all other plan sheets where removal of the abandoned pipe is necessary if it is found to conflict with the proposed utilities.*

*Comment: This note is being added to provide additional information and clarity to the prospective bidders on this project.*

Plan Sheet 15 of 30	Add the following note to this sheet "All excavated areas under bituminous pavement within the driveway to 505 Riverview Drive are to have 8" of 21-AA limestone compacted to 98% of its max. dry density. This work shall be included in the item of work "Aggregate Base, 21-AA (C.I.P.)" and shall not be paid for separately.
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*Comment: This note is being added to provide additional information and clarity to the prospective bidders on this project.*

Plan Sheet 16 of 30	Add the following note to this sheet "All excavated areas under bituminous pavement within the Dover Place are to have 8" of 21-AA limestone compacted to 98% of its max. dry density. This work shall be included in the item of work "Aggregate Base, 21-AA (C.I.P.)" and shall not be paid for separately.
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*Comment: This note is being added to provide additional information and clarity to the prospective bidders on this project.*

Plan Sheet 17 of 30	Temporary Trench Restoration Detail – delete the following note "8" 22A Limestone C.I.P. compacted to 95% maximum dry density. Contractor to remove and dispose of aggregate after temporary use. This work shall be included in the pay item "Maintenance Gravel". Replace the deleted note with the following revised note "10" 21-AA limestone compacted to 98% of its maximum dry density. Contractor to remove and dispose of aggregate contaminated by the construction as directed by the Engineer. The work of removing and disposing of contaminated aggregate as directed by the Engineer will not be paid for separately, but shall be included in the item of work "Machine Grading, Modified, ____." The replacement aggregate shall be paid for as "Aggregate Base, 21-AA (C.I.P.)."
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*Comment: This note is being added to provide additional information and clarity to the prospective bidders on this project.*

**Section/Page(s)**      **Change**

Plan Sheet 22 of 30    Delete Note No. 8 from this sheet. Traffic shall be maintained in accordance with the requirements of the Detailed Specification entitled "Maintaining Traffic and Construction Sequencing" and the General Notes contained on Sheet 3 of 30.

*Comment: This note is being deleted to clarify to the maintenance of traffic requirements for prospective bidders on this project.*

Plan Sheet 22 of 30    Delete Note No. 10 from this sheet. Replace it with the following note

"10. At the conclusion of the underground utility construction, and in accordance with the direction of the Engineer, the Contractor shall remove the uppermost 2" layer of maintenance gravel that has been placed within the roadway for maintenance of traffic purposes in order to remove all construction debris, trench spoils, or any other deleterious materials that may exist in order to provide a proper surface for the fine grading of the aggregate base course. If it is determined by the Engineer that portions of the maintenance gravel below the initial 2" depth of removal have been contaminated by construction debris, construction operations, weather, or the like, the Engineer will direct the removal of additional material as needed in order to obtain sound material on which to build the roadway. Any costs associated with removing the damaged maintenance gravel shall be included in the item of work "Machine Grading, Modified, \_\_\_\_" and will not be paid for separately. The Contractor shall then augment the remaining maintenance gravel with additional 21-AA limestone in order to bring the aggregate base course to its final grade. Any limestone material needed to be added to the existing, remaining, maintenance gravel will be paid for as "Aggregate Base, 21-AA (C.I.P.)." The costs associated with fine grading the limestone for the purposes of readying it for placement of the proposed HMA shall be included in the item of work "Machine Grading, Modified, \_\_\_\_" and will not be paid for separately. The limestone aggregate base shall be fine graded to the tolerances as described in the Detailed Specification entitled "Subbase and Aggregate Base" for aggregate base.

*Comment: This note has been deleted re-written to clarify to the intent of the project with respect to the payment and administration of the associated items of work.*

Plan Sheet 29 of 30    The Contractor shall note that the quantities on this sheet have been revised from those as presented on the revised bid forms and shall update them as appropriate.

## II. QUESTIONS AND ANSWERS

The following Questions have been received by the City. Responses are being provided in accordance with the terms of the ITB. Offerors are directed to take note in their review of the documents of the following questions and City responses as they affect work or details in other areas not specifically referenced here.

**Question 1:** What is the anticipated start date for the project?

**Answer 1:** *The City of Ann Arbor expects that this construction project will begin upon removal of the Seasonal Weight Restrictions (Frost Laws.) The exact start date of the construction will be discussed and agreed upon with the Contractor at the Pre-construction Meeting.*

**Question 2:** Please provide the Engineers Estimate (for bonding purposes).

**Answer 2:** *The Engineer's Estimate for the project is approximately \$1,740,000.*

**Question 3:** Will geotechnical testing, concrete testing and HMA testing to be paid for by the Owner?

**Answer 3:** Yes.

**Question 4:** Will construction survey and layout be paid for by the Owner?

**Answer 4:** Yes.

**Question 5:** Will plumbing permits be required for any of the sanitary lead or water service installations? If so, who is responsible for the cost(s) involved?

**Answer 5:** No.

**Question 6:** Water main plans do not indicate the removal and replacement of conflicting storm sewer(s). Many of the water main / storm sewer crossings require that the water main is installed under the existing storm sewer. Will the removal and replacement of this storm sewer be paid for separately, or is to be included in the corresponding water main pay item(s)?

**Answer 6:** *When installing the water main it is expected that the storm sewer leads will be protected and saved and the proposed water main will be installed around them to the greatest extent practicable.*

**Question 7:** Please indicate the material type and size of the dead gas main that will conflict with the proposed utility installation(s). Is this gas main potentially coated with ACM material?

**Answer 7:** *Based on information provided by DTE Energy, it appears that the existing abandoned 4" gas main south of 580 Riverview Drive was a wrought iron gas main. The abandoned gas main northerly of 580 Riverview Drive is a coated steel gas main installed in 1950. The Contractor should plan for the fact that this coating may be an Asbestos Containing Material (ACM.) A record drawing of the existing gas mains in the project area is available for review by prospective bidders.*

**Question 8:** Sanitary Pipe Pay Item(s) describe the use of "Tr Det I" on the bid form. The plan profiles state that "Tr Det II" should be used. Sanitary trench detail on sheet 17 on the plans identifies "Tr Det II", but does not include the 12" of stone required above the top of pipe as indicated in the "Sanitary Sewer Notes, #2" as detailed on the sanitary sheets. Please clarify which trench detail and notes should be used.

**Answer 8:** *The construction of the sanitary sewer shall be performed in accordance with Trench Detail II. The Bid Forms for the project will be re-issued with as part of Addendum No. 1 that will clarify this item. Finally, the Sanitary Sewer Note #2 will be amended by Addendum No. 1 to remove this requirement and bring the proposed construction into conformance with Trench Detail II.*

**Question 9:** Is 6A commercial limestone (Ann Arbor 6A) acceptable for use as sanitary bedding / pipe undercut backfill, or does the material need to be MDOT Spec 6A Limestone?

**Answer 9:** *Currently, MDOT 6A is specified in the Contract Documents. If the Contractor wishes to propose an alternative material for the currently specified MDOT 6A coarse aggregate, they are welcome to use Section II of the Bid Forms for Material and Equipment Alternates.*

**Question 10:** Do you have a special provision for the A/V Survey scope of work?

**Answer 10:** *Yes. A Detailed Specification for this work is being provided with Addendum No. I.*

**Question 11:** How is the 1" water service extending past the stop box for 505 Riverview to be paid for? The special provision for "Excavate & Backfill for Water Service Tap and Lead" does not include any materials other than what is required to backfill the specified excavations.

**Answer 11:** *The Contractor is expected to excavate as needed to install the water service as shown on the plan sheets. The City of Ann Arbor will provide the 1" copper piping for this water service. The trench restoration will be performed in accordance with the contract requirements and proposed pay items. Note, the Contractor **will not** be expected to make the final connection between the proposed water service and the existing well water line to the residence.*

**Question 12:** How is the 1" water service extending past the stop box for 3055 Dover Place to be paid for? The special provision for "Excavate & Backfill for Water Service Tap and Lead" does not include any materials other than what is required to backfill the specified excavations.

**Answer 12:** *The Contractor is expected to excavate as needed to install the water service as shown on the plan sheets. The City of Ann Arbor will provide the 1" copper piping for this water service. The trench restoration will be performed in accordance with the contract requirements and proposed pay items. Note, the Contractor **will not** be expected to make the final connection between the proposed water service and the existing well water line to the residence.*

**Question 13:** Is the Contractor responsible for making the final connections to the existing water service(s) for 505 Riverview Drive and 3055 Dover Place?

**Answer 13:** *No.*

**Question 14:** The detailed specification for maintaining traffic and construction sequencing refers to a requirement that "Exploratory Excavations, utility crossings, and all other openings created by the Work over which vehicular traffic will be maintained shall receive a minimum cover of 3 inches of cold-patching material that is thoroughly compacted in place." Due to the fact that the impacted roads are going to be covered in maintenance aggregate as detailed on the plans and notes, is this requirement necessary? **Answer:** Yes.

- a. If so, does this mean that cold patch must be installed at the end of each day?  
**Answer:** *No. The Cold-patch is only intended to be used to cover the excavations that are needed at the beginning of the project (prior to the removal of the existing asphalt pavement) to determine the alignment and elevation of the curved storm sewer within Riverview Drive.*
- b. Is this note intended only for the exploratory excavations? **Answer:** Yes.
- c. Please clarify the intent of this specification, this requirement will add substantial cost to the project. **Answer:** *We believe that the answers for the original question and sub-parts a. and b. are clear and sufficiently clarify the project's intent.*

**Question 15:** Please indicate when the exploratory excavations will take place in relation to the start date of the project.

- a. Are the exploratory excavations to be part of the 120 day construction schedule, or will these be performed outside of the “running clock”? **Answer:** *It is expected that the required exploratory excavations will be performed as soon as practicable after contract award is made as stated on the plan sheets. The City of Ann Arbor is agreeable to performing these exploratory excavations outside of the 120 consecutive calendar days to complete all work if the Contractor proposes a schedule for the work that is timely, complete, and doesn't unduly extend the excavation of the exploratory excavations.*
- b. I assume that if modifications to the site layout and design are required due to conflicts found as a result of the exploratory excavations, an extension of time will be issued as necessary, correct? **Answer:** *It is unclear at this writing as there are many unknowns to be determined. However, the Contractor always has the right to request an Extension of Contract Time or Additional Compensation in accordance with the provision of Sections 14 and 15 of the General Conditions contained within the contract documents.*

**Question 16:** I cannot locate a special provision for the “Maintenance Gravel, LM” pay item. Due to the quantity involved and the notes detailed on the plans, can you please clarify the following:

- d. If only 2” of the maintenance aggregate is removed for installation of the final road aggregate, will the pay item for “Aggregate Base, 8 inch, 21AA Modified” be used? It appears that, based on the language in the notes, only Maintenance Gravel will be paid for on this project. **Answer:** *This item of work and its payment therefor is being clarified in Addendum No. 1.*
- e. If so, (and regardless of the depth of maintenance gravel removed) would the unit price of the “Aggregate Base” be pro-rated based on the depth of aggregate installed? **Answer:** *This item of work will not be pro-rated. It's payment will be clarified in Addendum No. 1.*
- f. Would you consider paying for maintenance gravel by the ton in lieu of the cubic yard? It would be substantially easier to track. **Answer:** *Yes. This is a revision that is being made in Addendum No. 1.*
- g. Does the maintenance gravel need to meet the maximum loss by wash of 8% as specified in the special provision for “Subbase and Aggregate Base”? **Answer:** *No. This requirement is being removed and the corresponding pay items will be clarified in Addendum No. 1.*
- h. Would you consider removing the maximum loss by wash of 8% for the Aggregate Base (and Maintenance Gravel, if it is required) from the special provision? There is only one quarry in SE Michigan that will manufacture aggregate to meet this specification. Due to the location of this quarry and the fact that it is (in effect) a single source material specification, the cost of this material will be very high. **Answer:** *As stated above, this requirement will be removed from this project.*

**Question 17:** Does the entire existing storm sewer system require cleaning and televising after construction, or only those portions of the storm system that may have been impacted by construction activities (crossed laterals)?

**Answer 17:** *It is not expected that the entire storm sewer system for this project will need to be televised unless it has been adversely impacted by the Contractor's operations. Additionally, if it happens to be determined that a significant segment of the existing storm must be re-laid due to conflicts with the proposed construction, then that segment of storm sewer would need to be televised in accordance with the requirements of the Detailed Specifications.*



**Question 18:** There is a special provision for “Underdrain, Subbase, In Undercuts, 6 Inch, Special” in the bid documents, but there is no pay item listed on the bid form. Please clarify if this specification should have been included in the bid documents.

**Answer 18:** *This Detailed Specification was inadvertently included with the Contract Documents. It is being deleted as part of Addendum No. 1.*

**Question 19:** Will “No Parking” sign installation be required in the CIA? If so, how will these be paid for?

**Answer 19:** *No Parking signs will be required to be installed. A detailed specification governing the installation of these signs and a pay item will be added to the contract with Addendum No. 1.*

**Question 20:** The Special Provision for Water Main and Appurtenances calls for restrained joint pipe and fittings to be “TR-Flex / Flex-Ring” pipe. Is this required, or can Field Lok gaskets be used in conjunction with push joint fittings as specified in the plan notes?

**Answer 20:** *The Detailed Specification makes the distinction between true restrained joint pipe and push-on joint pipe that has restrained joints via the use of “restraining gaskets.” For the purposes of this project, the restrained joint pipe as detailed on the plans shall be accomplished with the use of “Fast-Grip” or “Field-Lok 350” gaskets as appropriate to the type of water main pipe being installed.*

**Question 21:** The Special Provision for Water Main and Appurtenances call for gate well structures to be designed to accommodate HL-93 Modified Live Load requirements. HL-93 Modified is an MDOT bridge spec covering spans and has nothing to do with manholes, drainage structures or gate wells. The ASTM C-478 MH spec would require an HS-20 load rating which is typical for this type of project and application. Please clarify if this specification will be required, it will add tremendous cost to prepare the required engineering documentation for the structures.

**Answer 21:** *For the purposes of this project, the gate well to be constructed in the intersection of Riverview Drive and Dover Place will not be required to meet the HL-93 Modified Live Loading requirement. This requirement is only applicable to flat top structures contained within paved areas. This requirement will be clarified on future projects.*

**Question 22:** The Special Provision for Sanitary Sewer calls for sanitary manholes to be designed to accommodate HL-93 Modified Live Load requirements. HL-93 Modified is an MDOT bridge spec covering spans and has nothing to do with manholes, drainage structures or gate wells. The ASTM C-478 MH spec would require an HS-20 load rating which is typical for this type of project and application. Please clarify if this specification will be required, it will add tremendous cost to prepare the required engineering documentation for the structures.

**Answer 22:** *For the purposes of this project, all sanitary sewer manholes to be constructed on this project will not be required to meet the HL-93 Modified Live Loading requirement. This requirement is only applicable to flat top structures contained within paved areas. This requirement will be clarified on future projects.*

**Question 23:** Can construction traffic use the private drive for project access, or does all construction traffic need to use Riverview Drive for access?

**Answer 23:** *Construction traffic must only use Riverview Drive to access and leave the project; no construction traffic will be allowed to use Huntington Place westerly of Onaway Place. Additionally, detouring of local traffic along streets other than Riverview Drive is not allowed. These requirements will be strictly enforced throughout the project’s duration.*

**Question 24:** Will the Owner provide tree trimming as necessary to facilitate the operation of heavy equipment to install the proposed road and utility improvements?

**Answer 24:** *Yes. Tree trimming will be performed by the City of Ann Arbor in Spring 2019 prior to the start of construction of this project.*

**Question 25:** Please indicate how the Contractor is to maintain driveway access to 505 Riverview and the homes on Dover Place while construction is taking place in these locations.

- a. Can temporary on-street parking be utilized? **Answer:** Yes. *The Contractor is expected to be courteous and cooperative with the residents of the area and shall maintain reasonable access to residents and their homes at all times. A safe access path shall be identified along with vehicle parking in the event that construction activities inhibit vehicular access to the homes.*

**Question 26:** Please indicate how the Contractor is to maintain traffic as specified in the plans and specs while the proposed transverse utilities are installed. It will be impossible to maintain regular, local traffic during these periods of construction.

**Answer 26:** *It is expected that this element of the project will be difficult, but achievable with advance planning and cooperation between the Contractor and the City. The City of Ann Arbor will work with the residents to inform them that during the period of time that the sanitary sewer leads are installed that there will be scheduled periods of time where passage along Riverview Drive will be greatly restricted due to the construction and that it may be necessary to move their vehicles to a location where they will be able to leave the area if needed. Note, however, **it is required** that should emergency vehicles (Fire Trucks, Ambulances, Police, etc.) need to pass the work area that the Contractor will cease and desist construction operations immediately and work to restore the area such that emergency vehicles can pass in the shortest time possible.*

**Question 27:** Please verify if the stop bar and cross walk pavement markings require replacement at the intersection of Geddes Avenue and Riverview Drive. If so, can you add pay items as necessary?

**Answer 27:** *It is not expected that these items will be negatively impacted as part of the anticipated construction operations. Consequently, these pay items will not be added to the contract at this time.*

**Respondents are responsible for any conclusions that they may draw from the information contained in the Addendum.**

Company: \_\_\_\_\_

Project: **Riverview Drive Sanitary Sewer and Water Main Extension Project**

City of Ann Arbor File No.: 2017-031

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Total Price</u>
1047051	Audiovisual Recording	LSUM	1	_____	_____
1047051	Certified Payroll Compliance and Reporting	LSUM	1	_____	_____
1047051	General Conditions, Max <u>\$155,600.00</u>	LSUM	1	_____	_____
2037001	Sewer, Any Size or Depth, Rem	Ft	259	_____	_____
2047001	Curb, Any Type or Size, Rem	Ft	678	_____	_____
2050041	Subgrade Undercutting, Type II	Cyd	120	_____	_____
2057002	Machine Grading, Modified, Dover	Sta	2.5	_____	_____
2057002	Machine Grading, Modified, Huntington Pl	Sta	7	_____	_____
2057002	Machine Grading, Modified, Riverview Dr	Sta	10	_____	_____
2080036	Erosion Control, Silt Fence	Ft	200	_____	_____
2087050	Erosion Control, Inlet Filter	Ea	14	_____	_____
3027021	Aggregate Base, 21-AA (CIP)	Cyd	150	_____	_____
3060020	Maintenance Gravel	Ton	3200	_____	_____
3067031	Aggregate Surface Course, 23A	Ton	64	_____	_____
3070021	Approach, CI II	Ton	3	_____	_____
4027001	Sewer, CI C-76 IV, 12 inch, Tr Det I, Modified	Ft	259	_____	_____
4027050	Exploratory Excavation (0 - 10' deep), Special	Ea	12	_____	_____
4037001	Additional Depth Structure Adjust/Repair	Ft	6	_____	_____
4037050	Adjust Structure Cover	Ea	6	_____	_____
4037050	Dr Structure Cover, Type B, Special	Ea	1	_____	_____
4037050	Dr Structure Cover, Type Q, Special	Ea	8	_____	_____
5010005	HMA Surface, Rem	Syd	5205	_____	_____
5010703	HMA, LVSP	Ton	1340	_____	_____
5010061	HMA Approach	Ton	50	_____	_____
8027001	Curb, Conc, E4	Ft	20	_____	_____
8057001	Curb Sloped, HMA, Special	Ft	678	_____	_____
8087001	Protective Fence, Orange, Plastic, 4 Foot Ht.	Ft	200	_____	_____

Sub-Total This Page \$ \_\_\_\_\_

(Also to be Entered on Page BF-3)

# BID FORM

## Section 1 – Schedule of Prices

Company: \_\_\_\_\_

Project: **Riverview Drive Sanitary Sewer and Water Main Extension Project**

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Total Price</u>
8120022	Barricade, Type III, High Intensity, Lighted, Furn	Ea	4	_____	_____
8120023	Barricade, Type III, High Intensity, Lighted, Oper	Ea	4	_____	_____
8120250	Plastic Drum, High Intensity, Furn	Ea	50	_____	_____
8120251	Plastic Drum, High Intensity, Oper	Ea	50	_____	_____
8120350	Sign, Type B, Temp, Prismatic, Furn	Sft	160	_____	_____
8120351	Sign, Type B, Temp, Prismatic, Oper	Sft	160	_____	_____
8120370	Traf Regulator Control	LSUM	1	_____	_____
8127050	No Parking Sign	Ea	60	_____	_____
8127051	Minor Traffic Devices, Max <u>\$35,000.00</u>	LSUM	1	_____	_____
8167011	Double Shredded Hardwood Bark Mulch, 3 inch	Syd	35	_____	_____
8167011	Hydroseeding	Syd	520	_____	_____
8167011	Topsoil Surface, 4 inch	Syd	520	_____	_____
8167011	Topsoil Surface, 6 inch	Syd	35	_____	_____
8167051	Project Clean-Up and Restoration, Special	LSUM	1	_____	_____
8237001	Excavate & Backfill for Water Service Tap and Lead	Ft	649	_____	_____
8237001	PC 350, D.I. Water Main, w/Polyethylene Wrap, 12 inch, Tr Det I, Mod	Ft	1515	_____	_____
8237001	PC 350, D.I. Water Main, w/Polyethylene Wrap, 6 inch, Tr Det I, Mod	Ft	6	_____	_____
8237001	PC 350, D.I. Water Main, w/Polyethylene Wrap, 8 inch, Tr Det I, Mod	Ft	194	_____	_____
8237001	Water Main, HDPE, 10 inch, Directional Drill	Ft	352	_____	_____
8237001	Water Main, HDPE, 14 inch, Directional Drill	Ft	205	_____	_____
8237050	11.25 deg Bend, 12 inch	Ea	9	_____	_____
8237050	11.25 deg Bend, 8 inch	Ea	1	_____	_____
8237050	22.5 deg Bend, 12 inch	Ea	5	_____	_____
8237050	22.5 deg Bend, 8 inch	Ea	1	_____	_____
8237050	45 deg Bend, 12 inch	Ea	15	_____	_____

Sub-Total This Page      \$ \_\_\_\_\_

(Also to be Entered on Page BF-3)

# BID FORM

## Section 1 – Schedule of Prices

Company: \_\_\_\_\_

Project: **Riverview Drive Sanitary Sewer and Water Main Extension Project**

<u>Item</u>	<u>Description</u>	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	<u>Total Price</u>
8237050	45 deg Bend, 8 inch	Ea	16	_____	_____
8237050	90 deg Bend, 14 inch	Ea	1	_____	_____
8237050	90 deg Bend, 8 inch	Ea	1	_____	_____
8237050	Cap, 12 inch	Ea	1	_____	_____
8237050	Cap, 8 inch	Ea	1	_____	_____
8237050	Fire Hydrant Assembly, with Extensions, Complete	Ea	6	_____	_____
8237050	Gate Valve-in-Box, 12 inch	Ea	4	_____	_____
8237050	Gate Valve-in-Well, 8 inch	Ea	1	_____	_____
8237050	Permanent Blow-Off	Ea	1	_____	_____
8237050	Reducer, 10 inch x 8 inch	Ea	4	_____	_____
8237050	Reducer, 12 inch x 8 inch	Ea	1	_____	_____
8237050	Reducer, 14 inch x 12 inch	Ea	2	_____	_____
8237050	Reducer, 8 inch x 6 inch	Ea	6	_____	_____
8237050	Tee, 12 inch x 12 inch x 12 inch	Ea	1	_____	_____
8237050	Tee, 12 inch x 12 inch x 8 inch	Ea	7	_____	_____
8237050	Tee, 8 inch x 8 inch x 8 inch	Ea	1	_____	_____
8237050	Water Service Connection to HDPE Water Main	Ea	4	_____	_____
8507001	Dr Structure, Manhole, Type I, 48 inch dia, Sanitary, Add Depth	Ft	15	_____	_____
8507001	Sewer, SDR 35 PVC Pipe, 8 inch, Tr Det II	Ft	841	_____	_____
8507001	Sewer, SDR 35 PVC Pipe, Riser, 4 inch	Ft	8	_____	_____
8507001	Sewer, SDR 35 PVC, Drop Connection, 8 inch	Ft	15	_____	_____
8507001	Sewer, SDR 35 PVC, Service Lead, 4 inch, Tr Det II	Ft	182	_____	_____
8507021	Pipe Undercut & Refill (6A Limestone)	Cyd	23	_____	_____
8507050	Dr Structure, Manhole, Type I, 48 inch dia, Sanitary	Ea	8	_____	_____
8507050	Sewer Tap, 8 inch	Ea	1	_____	_____
8507050	Sewer, 8 inch x 8 inch x 4 inch Tee, SDR 35 PVC	Ea	9	_____	_____

Sub-Total This Page                   \$ \_\_\_\_\_

Sub-Total Page BF-1                   \$ \_\_\_\_\_

Sub-Total Page BF-2                   \$ \_\_\_\_\_

**Grand Total Bid**                   **\$ \_\_\_\_\_**

CITY OF ANN ARBOR  
SPECIAL PROVISION  
FOR  
**AUDIO-VISUAL RECORDING**

AA:MGN

1 of 4

11/13/18

**a. Description.-** This work shall include providing a recording of the physical, structural, and aesthetic conditions of the construction site and adjacent areas as provided herein.

The audio-visual recording shall be:

1. Of professional quality, providing a clear and accurate audio and visual record of existing conditions.
2. Prepared during the three (3) week period immediately prior to the preconstruction meeting.
3. Furnished to the Engineer a minimum of two (2) weeks prior to bringing any materials or equipment within the areas described in this special provision.
4. Furnished to the Engineer either at, or prior to, the preconstruction meeting.
5. Carried-out under the supervision of the Engineer.

The Contractor shall furnish two (2) copies of the completed recording to the Engineer at, or prior to, the preconstruction meeting. An index of the recording, which will enable any area of the project to be easily found on the recording, shall be included. The Contractor shall retain a third copy of the recording for his/her own use.

Any portion of the recording determined by the Engineer to be unacceptable for the documentation of existing conditions shall be recorded again, at the Contractor's sole expense, and submitted to the Engineer prior to mobilizing onto the site.

**b. Production.-** The audio-visual recording shall be completed in accordance with the following minimum requirements:

1. DVD Format / No Editing.- The audio-visual recording shall be performed using equipment that allows audio and visual information to be recorded simultaneously and in color. The recording shall be provided on compact discs in DVD format. The quality of the recording shall be equal to or better than the standard in the industry. The recording shall not be edited.
2. Perspective / Speed / Pan / Zoom.- To ensure proper perspective, the distance from the ground to the camera lens shall not be less than 12 feet and the recording must proceed in the general direction of travel at a speed not to exceed 48 feet per minute (0.55 miles per hour). Pan and zoom rates shall be controlled sufficiently so that playback will ensure quality of the object viewed.

CITY OF ANN ARBOR  
SPECIAL PROVISION  
FOR  
**AUDIO-VISUAL RECORDING**

AA:MGN

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11/13/18

3. Display.- The recording equipment shall have transparent time, date stamp and digital annotation capabilities. The final copies of the recording shall continuously and simultaneously display the time (hours:minutes:seconds) and the date (month/date/year) in the upper left-hand corner of the frame. Accurate project stationing shall be included in the lower half of the frame in standard station format (i.e. 1+00). Below the stationing periodic information is to be shown, including project name, name of area shown, direction of travel, viewing direction, etc.

On streets or in areas where there is no project stationing, assumed stationing shall be used, starting with 0+00 and progressing from west to east or from north to south.

4. Audio Commentary / Visual Features. Locations relative to project limits and landmarks must be identified by both audio and video means at intervals no longer than 100 feet along the recording route. Additional audio commentary shall be provided as necessary during the recording to describe streets, buildings, landmarks, and other details, which will enhance the record of existing conditions.
5. Visibility / Ground Cover.- The recording shall be performed during a time of good visibility. The recording shall not be performed during periods of precipitation or when snow, leaves, or other natural debris obstruct the area being recorded.

**c. Coverage.-** The audio-visual recording coverage shall include the following:

1. General Criteria.- This general criteria shall apply to all recording and shall include all areas where construction activities will take place or where construction vehicles or equipment will be operated or parked and/or where materials will be stored or through which they will be transported. The recording shall extend an additional 50 feet outside of all areas. The recording shall include all significant, existing man-made and natural features such as driveways, sidewalks, utility covers, utility markers, utility poles, other utility features, traffic signal structures and features, public signs, private signs, fences, landscaping, trees, shrubs, other vegetation, and other similar or significant features.

CITY OF ANN ARBOR  
SPECIAL PROVISION  
FOR  
**AUDIO-VISUAL RECORDING**

AA:MGN

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11/13/18

2. Private Property.- Record all private property that may be utilized by the Contractor in conjunction with this project. These project areas must be disclosed by the Contractor prior to using them for the work of this project.
3. Road Construction Area.- The recording coverage shall:
  - a. Extend to 50 feet outside of the right-of-way and easements area as shown on the plans.
  - b. Extend 50 feet outside the construction limits on all streets, including side streets.

Both sides of each street shall be recorded separately.

4. Detour Route / Maintenance of Traffic Areas. The entire detour route, if one is provided for on the project plans, and maintenance of traffic areas shall be recorded as indicated in this special provision except as follows:
  - a. The recording must proceed in the general direction of travel at a speed not exceeding 176 feet per minute (2 miles per hour).
  - b. The coverage area shall include the street and not go beyond the curb except in areas where there is a fair possibility that the detoured traffic will drive over the curb, such as at intersections.
  - c. The recording shall focus in particular at sidewalk ramps and other features likely to have been damaged or likely to be damaged as a result of existing traffic, temporary detoured traffic and or construction traffic. In these areas, recording may need to proceed much more slowly.

Only the side of street with the detoured traffic must be recorded. However, the Contractor is advised that portions of the detour routes may operate in opposite directions at different times. In these cases, both sides of the street shall be recorded separately.

5. Private Property bordering the project limits or work areas - Riverview Drive from Geddes Avenue to Huntington Place; Huntington Place from Riverview Drive to Onaway Place; Dover Drive from Riverview Drive to its end; and, the Private driveway leading to the residence at 505 Riverview Drive and all the work areas on this property. Record all areas bordering the project where work is scheduled to occur or where construction traffic could damage the private property. This is to including buildings, driveways, decks, landscaping, trees, lawns, and all other similar features.



CITY OF ANN ARBOR  
SPECIAL PROVISION  
FOR  
**AUDIO-VISUAL RECORDING**

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11/13/18

6. Other Areas.- The Contractor shall record at his sole expense other areas where, in his/her opinion, the establishment of a record of existing conditions is warranted. The Contractor shall notify the Engineer in writing of such areas.

The Engineer may direct the recording of other minor areas not specified herein at the Contractor's sole expense.

**d. Audio-Visual Recording Services.-** The following companies are known to be capable of providing the recording services required by this special provision and shall be utilized, unless the Contractor receives prior written approval from the Engineer to utilize another company of comparable or superior qualifications.

- Construction Video Media
- Midwest Company
- Topo Video, Inc.
- Video Media Corp.
- Paradigm 2000, Inc.
- Finishing Touch Photo and Video

**e. Measurement and Payment.-** The completed work shall be paid for at the contract unit price for the following contract item (pay item):

<u><b>Contract Item (Pay Item)</b></u>	<u><b>Pay Unit</b></u>
Audio-visual Recording .....	Lump Sum

Audio-visual Recording shall include all labor, equipment, and materials required to perform the recording and to provide the finished recording the Engineer.

Payment will be made for Audio-visual Recording following the review and acceptance of the recording by the Engineer. Within 21 days following the receipt of the recording, the Engineer will either accept it and authorize payment or require that any discrepancies in the recording be addressed prior to making payment.

CITY OF ANN ARBOR  
DETAILED SPECIFICATION  
FOR  
CURB, ANY TYPE OR SIZE, REM

AA:MGN

1 of 1

11/13/18

**a. Description.-** This work shall consist of furnishing all labor, tools, equipment, and material to remove, and dispose of off-site, any concrete curb, curb and gutter, straight curb, or gutter; asphalt curb; or, any other type of curbing that may be encountered within the project limits in accordance with Section 204 of the 2012 Michigan Department of Transportation Standard Specifications for Construction, and as specified herein.

**b. Materials.-**

Granular Material, Class II.....Section 902

**c. Construction Methods.-** Curbing of any type shall be removed, and disposed of off-site, in such a manner as not to damage any new work, or work or material which is to remain in-place. Saw cut all curbing to be removed at its removal limit. The Contractor and the Engineer shall agree upon the removal limits of any curbing to be removed prior to its removal. If in the process of removing the existing curbing, the Contractor over-excavates for the removal the resulting hole or depression shall be backfilled with MDOT Class II Granular Material compacted to 95% of its maximum dry density at no additional cost to the project.

**d. Measurement and Payment.-** The completed work shall be paid for at the Contract Unit Price for the following Contract Items:

<u>Contract Item (Pay Item)</u>	<u>Pay Unit</u>
Curb, Any Type or Size, Rem.....	Foot

Payment for the above item shall include all labor, material and equipment to complete the work of removing curbing of any type or size as detailed herein.

CITY OF ANN ARBOR  
SPECIAL PROVISION  
FOR  
SOIL EROSION CONTROL INLET FILTER

AA:MGN

1 of 1

02/06/14

**a. Description.-** This work consists of installing and maintaining inlet filters in accordance with Section 208 of the 2012 Michigan Department of Transportation Standard Specifications for Construction and as shown on the plans. Filters shall be installed in existing and proposed inlets in order to minimize the erosion of soil and the sedimentation of water courses. The related work includes the installation, maintenance and removal of the filter cloth, cleaning as required during the performance of the project work, removing and disposing of accumulated sediment, and replacement of filters if required by the Engineer so as to provide a properly working inlet filter and a well-drained site.

**b. Materials.-** The inlet filters shall be in accordance with the REGULAR FLOW SILTSACK® manufactured by ACF Environmental (800) 448-3636; FLEXSTORM® Style FX manufactured by Advanced Drainage Systems, Inc. (800) 821-6710; CATCH-ALL® manufactured by Price & Company (866) 960-4300, or Engineer approved equal.

The Contractor shall submit product data sheets and a sample of the filter material for inlet filters for Engineer approval prior to ordering materials.

**c. Methods of Construction.-** The Contractor shall install, maintain, clean, and re-install and/or replace inlet filters in accordance with the manufacturer's specifications and as directed by the Engineer. The Contractor shall dispose of debris off-site.

**d. Measurement and Payment.-** The completed work of Soil Erosion Control Inlet Filter will be paid for at the contract unit price for the following contract items (pay items):

<u>Contract Item (Pay Item)</u>	<u>Pay Unit</u>
Erosion Control, Inlet Filter .....	Each

"Erosion Control, Inlet Filter" will be measured by the unit installed and will be paid for at the contract unit price per each, for which price shall be payment in full for all labor, equipment, and materials needed to furnish, install, maintain, clean and remove the inlet filter, and re-install and/or replace the inlet filter as needed.

CITY OF ANN ARBOR  
DETAILED SPECIFICATION  
FOR  
**AGGREGATE SURFACE COURSE**

WT:VCM/AA:MGN

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11/13/18

**a. Description.-** This work shall consist of constructing an aggregate surface course on either a prepared subgrade or an existing aggregate surface as indicated on the Plans or where directed by the Engineer. This work shall be performed in accordance with Sections 306 of the 2012 MDOT Standard Specification for Construction except as specified herein.

**b. Materials.-** The material used for this work shall meet the requirements of Section 902 of MDOT 2012 Standard Specification for Construction, except that the aggregate surface course shall be 23A.

**c. Construction Method.-** Perform the work in accordance with the requirements of Section 306.03 of the 2012 MDOT Standard Specification for Construction except as specified herein.

The Contractor shall blade and/or scarify and blade the existing aggregate surface in order to remove existing irregularities within the grade prior to placing the new aggregate surface course material.

Aggregate surface course material shall be handled and/or stockpiled in a manner that minimizes segregation. Surface course aggregate shall be deposited from trucks or through a spreader in a manner that will minimize segregation of material and that is approved by the Engineer. The re-handling of surface course aggregate by the Contractor will not be considered sufficient cause to allow the material to become segregated. The Contractor may be required to wet the materials prior to and/or during placement to minimize segregation and to aid in compaction of the material should it be necessary.

All structures, including manholes, valve boxes, inlet structures and curbs shall be protected from damage and contamination by debris and construction materials. Structures shall be maintained clean of construction debris and properly covered at all times during the construction.

The Contractor may be charged for the cleaning by others of accumulated construction debris in the utility structures, and damages resulting from the uncleaned structures.

CITY OF ANN ARBOR  
DETAILED SPECIFICATION  
FOR  
**AGGREGATE SURFACE COURSE**

WT:VCM/AA:MGN

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11/13/18

**d. Measurement and Payment.**- The completed work as measured will be paid for at the contract unit prices for the following contract items (pay items):

<u><b>Contract Item (Pay Item)</b></u>	<u><b>Pay Unit</b></u>
Aggregate Surface Course, 23A .....	Ton

"Aggregate Surface Course, 23A" will be measured by weight in tons. The item of work will be paid for at the contract unit price, which shall be payment in full for all labor, material and equipment needed to accomplish this work.

The provisions of Section 306.04 regarding excess moisture content, moisture corrections, and pay weights shall apply to this item of work

CITY OF ANN ARBOR  
DETAILED SPECIFICATION  
FOR  
**NO PARKING SIGNS**

AA:MGN

1 of 2

11/16/18

**a. Description.-** This work shall consist of installing No Parking signs furnished by the City of Ann Arbor for the purposes of prohibiting parking within the Construction Influence Area of the project. The work shall be performed in accordance with the requirements of Section 812 of the 2012 MDOT Standard Specifications for Construction; Part 6 of the Michigan Manual of Uniform Traffic Control Devices, Latest Revised Edition (MMUTCD) and this Detailed Specification.

**b. Materials.-** No Parking Signs shall be supplied by the City of Ann Arbor. Sign posts, mounting hardware, and all miscellaneous materials shall meet the requirements of Section 812 and 919 of the 2012 Michigan Department of Transportation Standard Specifications.

**c. Construction Methods.-** Prior to the commencement of any construction activity, the Contractor shall place No-Parking signs as directed by the Engineer. The Contractor shall obtain a permit for "Temporary Permission of Reserve Parking Lane for Work Related Purposes" from the City of Ann Arbor Project Management Services Unit. This permit shall be obtained a minimum of 5 days prior to the posting of No-Parking signs.

The City will furnish No-Parking signs to the Contractor at no cost. The Contractor shall furnish the signposts and shall securely bolt the signs to the signposts as directed by the Engineer. The Contractor shall install the signposts at least 2-feet deep into the ground, with a minimum 6-feet, and maximum 7-feet, clearance maintained between the bottom of the sign and the ground. The signs shall be placed at 75-foot intervals (or as necessary) to eliminate parking in the construction area.

The installation of No-Parking signs shall be in accordance with the permit. No-Parking signs shall be installed by the Contractor, as directed by the Engineer, **at least 48 hours prior to the proposed start-of-work/enforcement date.**

No-Parking signs shall be returned to the City at the completion of the work. The cost of unreturned signs will be back-charged to the Contractor. Signs that are damaged by the Contractor during the work will be repaired, or replaced, by the City at the Contractor's expense

CITY OF ANN ARBOR  
DETAILED SPECIFICATION  
FOR  
**NO PARKING SIGNS**

AA:MGN

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11/16/18

**d. Measurement and Payment.-** The completed work as measured for this item of work shall be paid for at the contract unit price for the following contract item (Pay Item):

**Pay Item**

**Pay Unit**

No Parking Signs..... Each

The unit price for this item of work shall include all labor, material, and equipment costs required to perform the work specified herein.

CITY OF ANN ARBOR  
 SPECIAL PROVISION  
 FOR  
**MACHINE GRADING, MODIFIED**

WT:VCM/AA:MGN

1 of 9

11/15/18

**a. Description.-** The pay item “Machine Grading, Modified, \_\_\_” shall be completed in accordance with Section 205 of the Michigan Department of Transportation 2012 Standard Specifications for Construction (MDOT 2012 SSC) and shall include all work indicated in the MDOT 2012 Standard Specifications for Construction, as shown on the plans, and as specified herein, with the exception that “Subgrade Undercutting, Type \_\_,” and “Subgrade Manipulation,” shall be paid for separately when separate pay items for the respective items are included in the proposal. “Machine Grading, Modified, \_\_\_” shall include all the work specified herein for which there is no separate pay item.

The following abbreviated table of contents for Section 205 (Roadway Earthwork) of the MDOT 2012 SSC is provided for reference. It is not a complete table of contents for all Section 205 work required to complete the project.

<b><u>Section / Title</u></b>	<b><u>Page</u></b>
205.01 Description .....	127
205.02 Materials .....	127
205.03 Construction.....	128
A. Preparing Roadway Foundation .....	128
1. Removing and Salvaging Topsoil .....	128
B. Rock Excavation .....	129
E. Subgrade Undercutting .....	130
F. Subgrade Manipulation.....	131
G. Earth Excavation.....	131
H. Roadway Embankment.....	132
1. Placing and Compacting Embankment.....	134
205.04 Measurement and Payment .....	140

**b. Soils Information.-** Soil information provided as part of the contract documents is for informational purposes only and shall not relieve the Contractor of the responsibility of investigating all local conditions before bidding.

**c. Materials.-** All materials and mixtures shall meet the requirements as specified in Section 205 of the MDOT 2012 Standard Specifications for Construction, except as specified herein.



CITY OF ANN ARBOR  
SPECIAL PROVISION  
FOR  
**MACHINE GRADING, MODIFIED**

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**d. General Provisions.-** The Contractor shall:

1. Maintain access to all drive entrances at all times.
2. Maintain pick-up access for garbage and recycle vehicles at all times.
3. Maintain access to all mail boxes for users and the U.S. Postal Service at all times. The Engineer may direct the temporary relocation of mail boxes. The Contractor may propose the temporary relocation of mail boxes, subject to the approval of the Engineer. In either case, the temporary relocation of mail boxes will not be paid for separately.
4. Grade around mailboxes, trees, light poles, power poles, and the like, which are to remain in place. The Contractor shall be responsible for any damage caused to such structures.
5. Coordinate all work with utility companies and others that need to complete work within the project limits.
6. Maintain the work in a finished condition until it is accepted by the Engineer.

**e. Pavement Sawcutting.-** The work shall include the full-depth saw-cutting of pavement at the construction limits, and elsewhere as required, if not paid for as part of another item of work. Pavement sawcutting will not be paid for separately.

**f. Removal of Trees and Vegetation.-** The Contractor shall remove and properly dispose of off-site all vegetation; brush; roots; and trees and stumps less than 6 inch in diameter, as shown on the plans, and as directed by the Engineer as required to complete the project.

**g. Removal and Salvaging of Topsoil.-** The removal, salvaging and stockpiling of topsoil, and all related work, shall be performed in accordance with Section 205.03.A.1 (Removing and Salvaging Topsoil) of the MDOT 2012 SSC.

**h. Miscellaneous Removals.-** The removal of bituminous, aggregate, and/or concrete materials from around manholes, structures, and utility covers, and the removal of bituminous curbing, bituminous driveway wedges, bituminous surface on existing curb and gutter, and bituminous surfaces around other miscellaneous unremoved areas shall be paid for as "Machine Grading, Modified, \_\_\_\_" and will not be paid for separately.

"Machine Grading, Modified, \_\_\_\_" includes the removal of any surface feature located within the grading limits which must be removed and for which there is no specific pay item established in the proposal for its removal.

CITY OF ANN ARBOR  
SPECIAL PROVISION  
FOR  
**MACHINE GRADING, MODIFIED**

WT:VCM/AA:MGN

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“Machine Grading, Modified, \_\_\_\_” includes the removal of maintenance gravel as directed by the Engineer that has become contaminated by construction operations, construction debris, weather, or other reasons that it is no longer deemed suitable for use on the project. The removal of this material may be in any size or volume without adjustment to the unit price for this item of work.

**i. Protection of the Grade.-** The work shall be kept well drained at all times. Foundation, roadway embankment or subgrade that becomes damaged by rain shall be undercut and backfilled, or otherwise remedied, by the Contractor, at his/her sole expense, as directed by the Engineer.

The Contractor shall be responsible for the maintenance of the foundation, roadway embankment, and subgrade. Any damage caused, by traffic or the Contractor’s operations, to the foundation, roadway embankment or subgrade, in the opinion of the Engineer, shall be remedied by the Contractor at his/her sole expense, as directed by the Engineer.

The Contractor shall not use rubber-tired equipment on the foundation, roadway embankment, or subgrade, when its use causes, in the opinion of the Engineer, unnecessary damage to the foundation, road embankment or subgrade. The Contractor shall conduct his/her operations and provide the necessary equipment to ensure the satisfactory completion of the work without damaging the foundation, roadway embankment or subgrade. This may require the transporting and movement of materials over additional distances.

At various times throughout the work, the Engineer may direct the Contractor to use smaller and/or lighter equipment, and to defer certain work tasks, in order to protect the grade and/or adjacent areas. The Contractor shall not be entitled to an extension of time or any additional compensation for the use of smaller equipment, lighter equipment, or work task deferral.

**j. Protection of Utilities.-** Utility lines may become exposed at, above, or below, the foundation or subgrade elevation during machine grading or subgrade undercutting operations. If this occurs, the Contractor shall excavate around, above and/or below the utility lines, as directed, to complete the machine grading or subgrade undercutting operations. Payment, at contract unit prices, for “Machine Grading, Modified \_\_\_\_” or “Subgrade Undercutting, Type \_\_,” whichever applies, will be considered as payment in full for this work.

CITY OF ANN ARBOR  
SPECIAL PROVISION  
FOR  
**MACHINE GRADING, MODIFIED**

WT:VCM/AA:MGN

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**k. Removal of Cable, Conduits and Pipe.-** The Contractor shall remove, and properly dispose of off-site, all abandoned cables, conduit, and pipe encountered at, or above the bottom of any earthwork excavation or undercut. Where the inverts of abandoned, or to be abandoned or removed, conduits or pipe are less than 16 inches below the bottom of any earth excavation or undercut, the conduits and/or pipe shall be removed and the resulting void filled with an Engineer approved material. The fill material shall be compacted to 95% of its maximum unit weight in lifts not exceeding 12 inches. No separate payment will be made for removal of conduit or pipe, or any of the work, described in this section.

**l. Foundation Preparation.-** Foundation is defined as the original earth grade upon which roadway embankment is placed. The foundation work shall be completed in accordance with Section 205.03.A (Preparing Roadway Foundation) of the MDOT 2012 SSC as shown on the plans, and as specified herein.

The foundation shall be compacted to 95% of its maximum unit weight, as measured by the AASHTO T-180 method, to a depth of at least 10 inches. If this cannot be achieved, in the opinion of the Engineer, he/she will direct the Contractor to perform "Subgrade Undercutting, Type \_\_\_" or "Subgrade Manipulation," as described herein, on the foundation.

**m. Roadway Embankment Construction.-** Roadway embankment is defined as the construction of earth on the prepared foundation to form the subgrade. Roadway embankment work shall be completed in accordance with Section 205.03 H (Roadway Embankment) of the MDOT 2012 SSC as shown on the plans, and as specified herein.

Roadway embankment shall be compacted to a minimum of 95% of its maximum unit weight, as measured by the AASHTO T-180 method.

**n. Subgrade Construction.-** Subgrade is defined as the final earth grade which extends from grading limit to grading limit. The subgrade shall be constructed by performing earth excavation and roadway embankment work in accordance with Section 205.03.G (Earth Excavation) and Section 205.03 H (Roadway Embankment) of the MDOT 2012 SSC, as shown on the plans, and as specified herein.

The subgrade shall be constructed to the contours and cross-sections shown on the plans, as specified herein, and as directed by the Engineer. To achieve this, the work shall include, but not be limited to:

CITY OF ANN ARBOR  
SPECIAL PROVISION  
FOR  
**MACHINE GRADING, MODIFIED**

WT:VCM/AA:MGN

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11/15/18

1. Removal and disposal off-site of any surplus or unsuitable materials.
2. Furnishing from off-site any additional Engineer approved fill materials necessary.
3. Moving existing and/or furnished materials longitudinally and transversely as necessary.
4. Cutting, placing, compacting, and trimming existing and/or furnished materials to construct the roadway embankment and subgrade to the specified tolerances.
5. Stockpiling, and moving again, any cut materials which cannot be immediately placed upon excavation due to construction staging.

The subgrade shall be graded to accommodate all subbases and aggregate bases wherever used, all bioswale and adjacent planting beds, all roadway pavements, curb and gutter, driveways, sidewalks, bicycle paths, other similar structures, bioswale planting mix, topsoil and any other features which the subgrade supports.

The subgrade shall be prepared so as to ensure uniform support for the pavement structure. The finished subgrade shall be placed to within 1 inch below and  $\frac{3}{4}$  inch above plan grade. Variations within this tolerance shall be gradual.

The subgrade shall be compacted to a minimum of 95% of its maximum unit weight, as measured by the AASHTO T-180 method, to a depth of 10 inches. If this cannot be achieved, in the opinion of the Engineer, he/she will direct the Contractor to perform "Subgrade Undercutting, Type \_\_\_" or "Subgrade Manipulation" as described herein.

The Contractor shall use equipment and methods of construction best suited, in the opinion of the Engineer, to the earthwork operations being performed and the project requirements. The use of various equipment and methods of construction are subject to the approval of the Engineer. The Engineer may disallow the use of certain equipment and methods of construction and require the use of other equipment and/or methods of construction. No additional compensation or extensions of contract time will be allowed for additional measures that are required for the protection of the grade as specified herein.

All requirements of this special provision with regard to protection of the subgrade shall remain in full force if it is necessary to remove a sand subbase layer of insufficient thickness.

CITY OF ANN ARBOR  
SPECIAL PROVISION  
FOR  
**MACHINE GRADING, MODIFIED**

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**p. Test Rolling.-** The Contractor shall test-roll the foundation and/or subgrade with a pneumatic tired roller with a suitable body for ballast loading and a gross load capacity that can be varied from 25 and 40 tons. In lieu of this test roller, with the approval of the Engineer, the Contractor may use a fully loaded single axle or tandem axle dump truck.

**q. Subgrade Undercutting.-** “Subgrade Undercutting, Type \_\_\_” shall be performed on the foundation or subgrade in accordance with Section 205.03.E (Subgrade Undercutting) of the MDOT 2012 SSC, as shown on the plans, as specified herein, and as directed by the Engineer.

**r. Subgrade Manipulation.-** “Subgrade Manipulation” shall be performed on the foundation or subgrade in accordance with Section 205.03.F (Subgrade Manipulation) of the MDOT 2012 SSC, as shown on the plans, as specified herein, and as directed by the Engineer.

Where subgrade manipulation is required, the foundation or subgrade shall be thoroughly scarified, blended, and mixed to a depth of 12 inches. The work shall be accomplished by means of a large diameter disc, motor grader, or other equipment approved by the Engineer. After the foundation or subgrade has been manipulated to the satisfaction of the Engineer and allowed to dry, the soil shall be compacted to 95% of its maximum dry density as measured by the AASHTO T-180 method. The time required for drying the soil will not be a basis for an extension of time.

The cost of Subgrade Manipulation shall be included in the cost of “Machine Grading, Modified, \_\_\_,” unless a pay item for “Subgrade Manipulation” is included in the Proposal.

**s. Fine Grading Aggregate Base Course.-** “Fine Grading” of the aggregate base course shall be performed on the maintenance gravel that has been previously placed and compacted in all needed roadway and driveway areas. The fine grading of the aggregate base course (maintenance gravel) and all accompanying work shall be performed in accordance with the requirements as outlined in the Detailed Specification entitled “Subbase and Aggregate Base” and will not be paid for separately.

**t. Rock Excavation.-** Rock excavation shall be performed in accordance with Section 205.03.B (Rock Excavation) of the MDOT 2012 SSC, as shown on the plans, and as directed by the Engineer.

CITY OF ANN ARBOR  
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The pay item "Rock Excavation" will apply only to boulders over ½ cubic yard in volume. Boulders will be measured individually and the volume computed from the average dimension measured in three directions. The removal of rocks, concrete and masonry less than ½ cubic yard in volume shall not be included in the pay item "Rock Excavation," but shall be included in the pay item "Machine Grading, Modified, \_\_\_\_."

If the proposal does not include a pay item for "Rock Excavation," rocks measuring over ½ cubic yard in volume shall be paid for as extra work.

**u. Lowering Structures.-** Prior to cutting the subgrade, the Contractor shall remove structure covers, lower the structures to a point between 8 inches and 12 inches below the proposed subgrade, and cover the structures with a steel plate. Structures shall not be raised prior to placing roadway embankment.

The steel plates for covering structure openings shall conform to the plan detail, be pegged and properly placed to prevent their movement under all traffic, be thick enough to carry all traffic, and prevent the infiltration of debris into the structures.

The Contractor shall lower valve boxes to a point between 8 inches and 12 inches below the proposed subgrade. Valve boxes shall not be raised prior to placing roadway embankment.

The void in the grade above the steel plates used for structure lowerings and valve box lowerings shall be backfilled, and compacted to 95% of its maximum dry density, with an Engineer approved coarse aggregate.

"Machine Grading, Modified \_\_\_\_" shall include all the work associated with lowering structures, including backfilling.

The Contractor shall coordinate the lowering of private utility structures with the private utility companies.

**v. Structure Covers.-** As directed by the Engineer and within two days of their removal, the Contractor shall stockpile on-site, in a location that is mutually agreeable to the Engineer and Contractor, the existing structure covers. The City of Ann Arbor's forces will pick-up the structure covers at a time that is convenient to them and mutually agreeable to the Contractor. The Contractor shall provide the equipment and

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manpower to load the castings on the City’s vehicle(s) so that they can be removed from the site by the City.

**w. Structure and Sewer Cleanliness.-** All sewers, and structures, including manholes, gate wells, valve boxes, inlet structures and curbs shall be protected from damage and contamination by debris and construction materials. Structures shall be maintained clean of construction debris and properly covered at all times during the construction. The Contractor shall immediately clean any structures and/or sewers that become contaminated with construction debris. The Contractor shall be responsible for all direct and indirect damages which are caused by sewers or structures which have been made unclean or have been damaged by the Contractor.

**x. Contractor’s Calculations.-** The Contractor shall perform his/her own computations and is responsible to inspect the site to determine his/her own estimate of the quantities of work involved. Deviations between the existing contours and the existing and proposed cross-sections shown on the plans shall not be cause for additional compensation.

**y. Measurement and Payment.-** The completed work as measured will be paid for at the contract unit price for the following contract items (pay items):

<u>Contract Item (Pay Item)</u>	<u>Pay Unit</u>
Subgrade Undercutting, Type II .....	Cubic Yard
Machine Grading, Modified, Dover Place.....	Station
Machine Grading, Modified, Riverview.....	Station
Machine Grading, Modified, Huntington Place .....	Station

Subsection 205.04.G of the MDOT 2012 SSC, which reads “Machine Grading will be measured by length along the surface edge. The Engineer will measure each side of the road, where work is performed, separately.” is hereby deleted. “Machine Grading, Modified, \_\_\_” will be measured once, and only once, along the centerline of the roadway or feature being constructed.

“Machine Grading, Modified, \_\_\_” will be measured by length in 100 foot long stations, or portions thereof, along the centerline of the feature being constructed.

The various pay items included herein shall include all labor, materials and equipment required to complete the work.

**CITY OF ANN ARBOR  
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The Contractor shall include all of his/her costs to complete all of the Machine Grading, Modified work in the Machine Grading, Modified pay items and plan quantities included in the proposal. No additional payment will be made for Machine Grading, Modified work which, although, shown on the plans and specified herein as work which needs to be completed, may not be included in a particular Machine Grading, Modified pay item. Plan quantities will be paid for the work, and will only be adjusted due to changes in the limits of the work, as directed by the Engineer, in writing.

The pay item "Machine Grading, Modified, \_\_\_\_\_" shall include all the work specified herein, including, but not limited to, the removal and offsite disposal of any surplus or unsuitable materials and the furnishing from off-site any additional Engineer approved fill materials necessary to construct the embankment and subgrade to the contours and cross-sections shown on the plans.

The Contractor is advised that due to the phasing of the project and the probable unsuitability of some or all of the excavated material for use as approved fill material, there may be imbalances between the amount of earth cut which is suitable for reuse as fill, and the amount of earth needed to construct the lines and grades shown on the plans, or as directed by the Engineer. The Contractor shall make provisions for such imbalances and shall include in the bid price for this work the cost of importing/furnishing, placement, and compaction of the material, as well as the cost of stockpiling and re-handling of imported and/or on-site Engineer approved materials as necessary to complete the work of constructing the embankment and subgrade to the cross sections shown on the plans.



CITY OF ANN ARBOR  
DETAILED SPECIFICATION  
FOR  
**SUBBASE AND AGGREGATE BASE**

WT:VCM/AA:MGN

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11/15/18

**a. Description.-** This work shall consist of constructing subbase and/or aggregate base courses, on either a prepared subgrade or subbase as indicated on the Plans or where directed by the Engineer. This work shall be performed in accordance with Sections 301, 302, and 307 of the 2012 MDOT Standard Specification for Construction except as specified herein.

**b. Materials.-** The material used for this work shall meet the requirements of Sections 301, 302, 307, and 902 of MDOT 2012 Standard Specification for Construction, except that the aggregate base shall be 21-AA limestone and the subbase shall be Class II Granular Material.

**c. Construction Method.-** Subbase and aggregate base courses shall not be placed when there are indications that the mixture may become frozen before the maximum unit weight is obtained, and in no case shall they be placed on a frozen subbase or subgrade.

The subbase and subgrade shall be shaped to the crown and grade specified on the plans and maintained in a smooth condition. The top of the subbase shall be placed to within  $\pm\frac{1}{2}$  inch of the plan grade and crown. The top of the aggregate base shall be placed to within  $\pm\frac{1}{2}$  inch of the plan grade and crown. Variations within this tolerance shall be gradual. If in the opinion of the Engineer, the Contractor's equipment is causing or will cause any ruts in or damage to the subbase or subgrade, the equipment shall not be permitted on the subbase or subgrade.

Should the subgrade, subbase or aggregate base become damaged due to the Contractor's equipment or by local traffic, the subgrade, subbase, or aggregate base course shall be restored to the condition required by the Specifications without additional compensation to the Contractor.

No pavement course, concrete curb and gutter, or concrete driveway opening shall be placed until the subbase has been compacted to not less than 95 percent, and aggregate base course to not less than 98 percent of their respective maximum dry densities and until a "Permit to Place" has been issued by the Engineer.

Base course aggregate shall be handled and/or stockpiled on-site in a manner that minimizes segregation. Base course aggregate shall be deposited from trucks or through a spreader in a manner that will minimize segregation of material and that is approved by the Engineer. The re-handling of base course aggregate by the Contractor will not be considered sufficient cause to allow the material to become segregated. The Contractor

CITY OF ANN ARBOR  
DETAILED SPECIFICATION  
FOR  
SUBBASE AND AGGREGATE BASE

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may be required to wet the materials prior to and/or during placement to minimize segregation and to aid in compaction of the material should it be necessary.

All structures, including manholes, valve boxes, inlet structures and curbs shall be protected from damage and contamination by debris and construction materials. Structures shall be maintained clean of construction debris and properly covered at all times during the construction.

The Contractor may be charged for the cleaning by others of accumulated construction debris in the utility structures, and damages resulting from the uncleaned structures.

**d. Measurement and Payment.**- The completed work as measured will be paid for at the contract unit prices for the following contract items (pay items):

<u>Contract Item (Pay Item)</u>	<u>Pay Unit</u>
Aggregate Base, 21-AA (C.I.P.).....	Cubic Yards

"Aggregate Base, 21-AA (C.I.P.)" will be measured by area in cubic yards compacted in place. The items of work will be paid for at the contract unit prices, which shall be payment in full for all labor, material and equipment needed to accomplish this work.

CITY OF ANN ARBOR  
 DETAILED SPECIFICATION  
 FOR  
**TURF ESTABLISHMENT**

WT:VCM

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11/15/18

**a. Description.-** This work shall consist of furnishing and placing Engineer-approved topsoil in thicknesses as specified, hydroseeding lawn areas, and furnishing and placing mulch blankets as indicated on the plans, as detailed in the specifications, or as directed by the Engineer.

The related work of preparing the earth bed, furnishing, and placing the topsoil, furnishing the seed mixtures, furnishing the fertilizer, sowing the seed, furnishing and installing the mulch blanket and watering shall conform to the requirements of this Special Provision and Section 816, Turf Establishment, of the Michigan Department of Transportation (MDOT) 2012 Standard Specifications for Construction.

**b. Materials.-** The materials shall meet the requirements specified in Section 917 of the 2012 MDOT Standard Specifications for Construction except as specified herein:

- Seed shall be fresh, clean, dry, new-crop seed complying with the AOSA’s “Rules for Testing Seed”, tested for purity and germination tolerances.

Variety	Proportion By Weight	Purity	Germination
Baron Kentucky Bluegrass	25%	90	80
Kentucky Bluegrass 98/80	15%	98	80
Park Kentucky Bluegrass	15%	90	80
Omega III Perennial Ryegrass	20%	98	90
Creeping Red Fescue	25%	95	90

Maximum weed content shall be 0.30%.

- Fertilizers shall be a Class A. The percentages by weight shall be at a minimum 10N-10P-10K or as required and approved by the Engineer.
- The seed, fertilizer, and adhesive (mulch binder) shall be mixed together and applied at one time.
- Water used shall be obtained from fresh water sources and shall be free from injurious chemicals and other toxic substances.

CITY OF ANN ARBOR  
DETAILED SPECIFICATION  
FOR  
**TURF ESTABLISHMENT**

WT:VCM

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Mulch Blankets shall meet the requirements of Section 917.15.B.2.b of the 2012 MDOT Standard Specifications for Construction.

Double Shredded Hardwood Bark Mulch shall be the bark of hardwood trees meeting the requirements of Section 917.14 of the 2012 MDOT Standard Specifications for Construction.

**c. Maintenance and Acceptance.-** It is the responsibility of the Contractor to establish a dense, vigorous, weed free lawn of permanent grasses, free from mounds and depressions prior to final acceptance and payment of this project. Any portion of a seeded area that fails to show a uniform germination, shall be re-seeded. Such re-seeding shall be at the Contractor's expense and shall continue until a dense, vigorous and weed free lawn is established.

The Contractor shall maintain all lawn areas until they have been accepted by the Engineer. Lawn maintenance shall begin immediately after the grass seed is in place, and shall continue until final acceptance with the following requirements:

- Lawns shall be protected and maintained by watering, mowing, and reseeding as necessary, until the period of time when the final acceptance and payment is made. The Contractor shall establish a uniform, dense, vigorous, and weed-free stand of the specified grasses. Maintenance includes, but is not limited to; deposition of additional topsoil; re-seeding; watering; fertilizing; mowing, and any other work as required to correct all settlement, erosion, germination, and establishment issues until the date of final acceptance by the Engineer.
- Damage to seeded areas resulting from erosion shall be repaired by the Contractor at the Contractor's expense. Scattered bare spots in seeded areas will not be allowed over three (3) percent of the area nor greater than 6"x 6" in size.

When the above requirements have been fulfilled, the Engineer will accept the lawn.

CITY OF ANN ARBOR  
 DETAILED SPECIFICATION  
 FOR  
**TURF ESTABLISHMENT**

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**d. Measurement and Payment.**- The completed work shall be paid for at the contract unit price for the following contract items (pay items):

<u><b>Contract Item (Pay Item)</b></u>	<u><b>Pay Unit</b></u>
Topsoil Surface, __ inch .....	Square Yard
Hydroseeding.....	Square Yard
Double Shredded Hardwood Bark Mulch, 3 inch.....	Square Yard

"Topsoil Surface, \_\_ inch" and "Hydroseeding" will be measured by area in square yards and will be paid for at the contract unit prices which shall be payment in full for all labor, materials, and equipment needed to accomplish this work.

Topsoil placement shall occur at the locations called for on the plans or, as directed by the Engineer. The unit price "Topsoil Surface, \_\_ inch" shall include the grading of the area to receive the topsoil, preparing the earth bed, spreading and raking the topsoil to provide a uniform surface free of large clods, lumps, rocks, brush, roots, or other deleterious materials, as determined by the Engineer.

The hydroseeding shall be placed on all lawn areas as called for on the plans, and shall include furnishing and installing seed, fertilizer, mulch blankets, and all required watering necessary for the establishment of the turf. Watering will not be paid for separately.

Any damage or soiling to signs, fences, trees, pavements, or structures shall be repaired and/or cleaned by the Contractor at the Contractor's sole expense.

After initial placement of the topsoil and hydroseed mixture(s), fifty (50) percent of the total quantity placed for each item will be certified for payment. The remaining fifty (50) percent of the total quantities will be held by the Engineer until such time as all lawn areas have been established and accepted by the Engineer.

Final acceptance shall occur no sooner than June 15<sup>th</sup> of the year after the year in which the lawn areas were initially planted during the previous spring planting season; or, final acceptance will occur no sooner than November 1<sup>st</sup> of the year after the year in which the lawn areas were initially planted during the previous summer planting season.

In no case shall lawn areas be accepted in the same year in which they were planted.

General Decision Number: MI180074 10/26/2018 MI74

Superseded General Decision Number: MI20170074

State: Michigan

Construction Type: Heavy

County: Washtenaw County in Michigan.

Heavy, Includes Water, Sewer Lines and Excavation (Excludes Hazardous Waste Removal; Coal, Oil, Gas, Duct and other similar Pipeline Construction)

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.35 for calendar year 2018 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.35 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2018. The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/05/2018
1	07/20/2018
2	08/10/2018
3	08/31/2018
4	10/26/2018

CARP0687-006 06/01/2018

	Rates	Fringes
CARPENTER, Includes Form Work....	\$ 32.00	27.82

ELEC0252-009 05/28/2018

	Rates	Fringes
ELECTRICIAN.....	\$ 44.12	23.54

ENGI0325-019 09/01/2017

POWER EQUIPMENT OPERATORS: Underground Construction (Including Sewer)

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1.....	\$ 32.03	23.35
GROUP 2.....	\$ 27.30	23.35
GROUP 3.....	\$ 26.57	23.35
GROUP 4.....	\$ 26.00	23.35

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Backhoe/ Excavator, Boring Machine, Bulldozer, Crane, Grader/ Blade, Loader, Roller, Scraper, Trencher (over 8 ft. digging capacity)

GROUP 2: Trencher (8-ft digging capacity and smaller)

GROUP 3: Boom Truck (non-swinging, non- powered type boom)

GROUP 4: Broom/ Sweeper, Fork Truck, Tractor, Bobcat/ Skid Steer /Skid Loader

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ENGI0326-008 06/01/2017

EXCLUDES UNDERGROUND CONSTRUCTION

	Rates	Fringes
OPERATOR: Power Equipment		
GROUP 1.....	\$ 39.89	23.40
GROUP 2.....	\$ 38.39	23.40
GROUP 3.....	\$ 36.89	23.40
GROUP 4.....	\$ 36.59	23.40
GROUP 5.....	\$ 35.77	23.40
GROUP 6.....	\$ 34.91	23.40
GROUP 7.....	\$ 33.94	23.40
GROUP 8.....	\$ 32.23	23.40
GROUP 9.....	\$ 23.89	23.40

FOOTNOTES: Tower cranes: to be paid the crane operator rate determined by the combined length of the mast and the boom.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Crane with boom & jib or leads 400' or longer

GROUP 2: Crane with boom & jib or leads 300' or longer

GROUP 3: Crane with boom & jib or leads 220' or longer

GROUP 4: Crane with boom & jib or leads 140' or longer

GROUP 5: Crane with boom & jib or leads 120' or longer

GROUP 6: Regular crane operator

GROUP 7: Backhoe/Excavator, Bobcat/Skid Loader, Boring Machine, Broom/Sweeper, Bulldozer, Grader/Blade, Loader, Roller, Scraper, Tractor, Trencher

GROUP 8: Forklift

GROUP 9: Oiler

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IRON0025-006 06/17/2018

	Rates	Fringes
IRONWORKER		
Reinforcing.....	\$ 29.48	27.74
Structural.....	\$ 35.52	28.65

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LABO0334-009 06/01/2018

EXCLUDES OPEN CUT CONSTRUCTION

	Rates	Fringes
Landscape Laborer		
GROUP 1.....	\$ 20.52	6.90
GROUP 2.....	\$ 18.52	6.90

LANDSCAPE LABORER CLASSIFICATIONS

GROUP 1: Landscape specialist, including air, gas and diesel equipment operator, lawn sprinkler installer and skidsteer (or equivalent)

GROUP 2: Landscape laborer: small power tool operator, material mover, truck driver and lawn sprinkler installer tender

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\* LABO0334-018 09/01/2018

SCOPE OF WORK:

OPEN CUT CONSTRUCTION: Excavation of earth and sewer, utilities, and improvements, including underground piping/conduit (including inspection, cleaning, restoration, and relining)

	Rates	Fringes
LABORER		
(1) Common or General.....	\$ 23.75	12.85
(2) Mason Tender- Cement/Concrete.....	\$ 23.86	12.85
(4) Grade Checker.....	\$ 24.05	12.85
(5) Pipelayer.....	\$ 22.90	12.75
(524.20) Pipelayer.....	\$ 22.90	12.85
(7) Landscape.....	\$ 18.14	12.85



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LABO0499-020 08/01/2017

EXCLUDES OPEN CUT CONSTRUCTION

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 28.70	14.20
GROUP 2.....	\$ 28.91	14.20
GROUP 3.....	\$ 29.03	14.20

LABORER CLASSIFICATIONS

GROUP 1: Common or General; Grade Checker

GROUP 2: Mason Tender - Cement/Concrete

GROUP 3: Pipelayer

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PAIN0022-005 07/01/2008

	Rates	Fringes
PAINTER		
Brush & Roller.....	\$ 25.06	14.75
Spray.....	\$ 25.86	14.75

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PLAS0514-002 06/01/2018

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER....	\$ 31.47	13.81

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PLUM0190-010 06/01/2017

	Rates	Fringes
PLUMBER.....	\$ 40.13	21.62

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TEAM0007-006 06/01/2017

	Rates	Fringes
TRUCK DRIVER		
Dump Truck under 8 cu. yds.; Tractor Haul Truck....	\$ 24.90	.50 + a+b
Dump Truck, 8 cu. yds. and over.....	\$ 25.00	.50 + a+b
Lowboy/Semi-Trailer Truck....	\$ 25.15	.50 + a+b

FOOTNOTE:

a. \$455.00 per week.

b. \$64.40 daily.

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SUMI2010-072 11/09/2010

Rates Fringes

TRUCK DRIVER: Off the Road  
Truck.....\$ 20.82 3.69

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198

indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

#### Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
 Wage and Hour Division  
 U.S. Department of Labor  
 200 Constitution Avenue, N.W.  
 Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
 U.S. Department of Labor  
 200 Constitution Avenue, N.W.  
 Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
 U.S. Department of Labor  
 200 Constitution Avenue, N.W.  
 Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION