

**ADDENDUM NO. 1
October 13, 2017**

TO: PLANS AND SPECIFICATIONS FOR

**THE CROSSROADS, SOUTHTOWN ESTATES AND RUSTIC OAKS SUBDIVISIONS
STORMWATER AND STREET IMPROVEMENTS
PROJECT NO. 2015-201-1**

Bidders are hereby informed that the construction plans and/or specifications are modified as follows:

PRE-BID MEETING MINUTES

The minutes from the Pre-Bid Meeting held at 9:00 AM on October 12, 2017 at the office of the Cole County Fire Protection District, "Training & Administration Building", as attached, shall be included in the contract documents for this project.

Addendum No. 2 will be issued early next week and will contain some Bid Proposal and Job Special Provision revisions.

BY THE ORDER OF:

Eric Landwehr, P.E., County Engineer
Cole County Department of Public Works
October 13, 2017

**The Crossroads, Southtown Estates and Rustic Oaks Subdivisions
Stormwater and Street Improvements
Project No. 2015-201-1**

**Pre-Bid Meeting Notes
October 12, 2017**

The meeting was held at the Cole County Fire Protection District "Training and Administration Building" beginning at 9:00am. Those attending the meeting are listed below:

<u>Name</u>	<u>Representing</u>	<u>Phone</u>
Eric Landwehr	Cole County	573-636-3614
Spencer Coonce	Cole County	573-636-3614
Kevin Light	Cole County	573-636-3614
Chris Yarnell	E.S.&S.	573-636-3303
Ike Newman	E.S.&S.	573-636-3303
Luke Hake	Stockman Construction	573-635-1316
Kent Burke	Core & Main	573-864-6226
Jeff Creamer	Jefferson Asphalt	573-691-2837
Bruce Bax	Don Schnieders Excavating	573-619-8384
Don Rhea	Don Schnieders Excavating	573-893-2251
Greg Muenks	Mera Excavating	573-897-2255
Jake Kremer	Mera Excavating	573-897-2522
Marty Masters	M&M Landscape and Const.	573-680-6954
Jon Rapp	Rain For Rent	618-225-3043

GENERAL BIDDING INFORMATION

1. Sealed proposals on the forms prepared by the Cole County Department of Public Works will be received by the County Commission, Cole County, Missouri, at the Courthouse Annex, Jefferson City, Missouri, until **9:00 a.m., on October 20, 2017**, for the **The Crossroads, Southtown Estates and Rustic Oaks Subdivisions Stormwater and Street Improvements Project**. The proposals will be publicly opened and read aloud thereafter. Bids received after the specified time for opening will be returned unopened.
2. Plans and specifications may be viewed online in the bids section at www.colecounty.org. All contractors wishing to bid on this project shall obtain an official copy of the plans and specifications at the office of the Cole County Department of Public Works, 5055 Monticello Road, Jefferson City, Missouri 65109-9182, (573) 636-3614.
3. **All prospective bidders will be required to purchase a set of plans and specifications in order to be able to bid this project. If a bid is submitted without purchasing a set of plans and specifications, the bid will be rejected.** This requirement is necessary to ensure that all of the bidders have received the applicable addenda before submitting a bid for this project.
4. A bid guaranty will be required in the amount of 5% of the bid. Can be paper bid bond or cashier's check.

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5. Questions regarding the plans and specifications will be taken up to **24 hours prior to the date and time of the bid opening**. This will allow the County to get the information out to all of the bidders. General questions regarding the bidding process will be answered up to the time of the opening.
6. Prevailing wage rates are required on this project. State rates apply.
7. Bids shall be submitted on the proposal forms in the bidding documents. All blank spaces shall be filled in on the forms by typewriter or by handwriting in ink. The bidder shall make no other stipulations in the bid form or qualify his bid in any manner. The bids shall be submitted in an opaque sealed envelope marked "**The Crossroads, Southtown Estates and Rustic Oaks Subdivisions Stormwater and Street Improvements Project**" and shall be clearly marked with project title, bid date, bid time and bidder's name and address.
8. If awarded the contract, the Contractor agrees to complete the work by no later than **November 17, 2018** as defined in the specifications.
9. **Liquidated damages** shall be **\$1,000.00** per calendar day for every day that the Contractor fails to complete the work as provided in the contract documents.
10. Simultaneously with the delivery of the executed contract, the Contractor shall furnish a surety bond in the amount of 100% of the total contract sum, as security for both faithful performance of the contract and for the payment of all persons performing labor on the project under this contract as specified in the contract documents.
11. Do NOT include federal excise tax or sales and use taxes in the bid prices. This project will be a SALES TAX EXEMPT project. A copy of the federal tax exemption certificate will be furnished if required.

GENERAL PROJECT INFORMATION

1. This is a large project with several inlets, junction boxes, pipes and a lot of curb and gutter and pavement work.
2. The contractor is highly advised to visit the project location to observe existing site conditions.
3. The County will be providing construction observation through county inspectors.
4. The County will provide construction staking.
5. Utilities – There are several utilities on this project and some utility adjustment may be required in this contract.
6. ALL CHANGE ORDERS – If there is any item that the contractor thinks additional pay is warranted, a change order request will have to be submitted and approved prior to commencing any of the additional work. Any extra work done without approval is not guaranteed to be paid.
7. Several properties have special notes and miscellaneous items that need to be addressed as part of the project.
8. Staging and sequencing will be important as the project progresses. The contractor needs to be careful to sequence work so that stormwater items are built on Horseshoe Road before starting on Greenbriar.
9. There is a detention basin in the plans and proper compaction methods will be required for the construction of the berm.
10. There is a chain link fence that will go around the detention basin. This pay item is not in the proposal so we'll add it with the addendum.

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11. Trackless Tack will be required and a new JSP will be added in the addendum.
12. The aggregate base should be 3" thick. It is shown on the proposal as 3" but the plans show 4". This was done to cut down on costs.
13. If we find a lot of base rock underneath the existing asphalt pavement we may do away with the new 3" base and use the existing. If we do this we will work out a new price to account for machine time and labor to grade the existing base. This will be a variable item as the project progresses.
14. The 18" RCP has an error in the quantity. This will be corrected with the addendum.
15. Alternates will be allowed for any stormwater pipe run that is not underneath a pavement. Specifics for this are listed on Page C0.03.
16. The county inspector will assist with the Land Disturbance Permit BMP inspections after rainfalls. This is not specifically called out in the JSP.

STANDARD PLANS AND SPECIFICATIONS

Technical specifications will be the latest effective 2017 version of the Missouri Standard Specifications for Highway Construction. City of Jefferson City standard drawings shall apply to most items and MoDOT specifications shall apply to the rest. These are listed in the JSP's.

JOB SPECIAL PROVISIONS

The job special provisions were reviewed. Special attention was given to the following:

1. B. Work Zone Traffic Management. A one week notice shall be given for all road closures. Contractor must coordinate with property owners to schedule driveway construction and provide a reasonable access to their property.
2. C. Construction Phasing Plan. The contractor shall provide a phasing plan and schedule at least one week prior to the pre-construction conference.
3. E. Utilities. Contractor shall coordinate with all utility companies regarding any relocation or special caution when working around the utilities. Efforts we made to avoid all utilities if possible.
4. G. Roof Drains and Foundation Drains. All drains shall be connected regardless of whether they show on the plans or not. Preference is to tie into an inlet.
5. I. Permits. The county has a land disturbance permit through DNR. A county Storm Water Pollution Prevention Plan will be used and reports shall be done by the county inspector and contractor foreman.
6. L. Removal of Improvements. All removals necessary for the completion of the project are included in this bid item. Typical removals are noted but are not limited to this list. Some language on extra removals for driveway replacement is listed.
7. M. Clearing and Grubbing. This work consists of all clearing, grubbing, removal of trees, brush or objectionable vegetation within the ROW or easements necessary for the completion of the project.. Some tree removals are shown on the plans and some are not. The engineer will mark the ones to be removed.
8. O. Earthwork. Typical earthwork items are listed. Depth of rock was not investigated for the storm sewer installation. If rock is encountered it shall be removed at an agreed to and approved price prior to starting work.
9. P. Drainage. All inlets and junction boxes shall be cast in place. Absolutely no exceptions to this. Energy dissipaters shall be included on some of the flared end

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sections.

10. R. Topsoil in areas to be Seeded or Sodded. There are some requirements on the 6" of soil to be good clean topsoil. This will be strictly enforced.
11. S. Seeding, Fertilizing and Mulch. This is our basic JSP but one thing to point out is that final grade shall be established and seeded within 10 working days of proposed improvements being completed on a property unless otherwise approved by the engineer. The idea behind this is that we don't want a property left torn up for an extended time period.
12. T. Temporary Seeding. This shall be used if seeding is required outside the growing season
13. U. Removal and Replacement of Landscaping Features. The contractor shall coordinate with property owners regarding the landscaping that might be impacted by construction. If necessary the contractor may need to help with some basic removal of some items.
14. AA. Removal and Replacement of Poor Subgrade Material. There is a potential to encounter some bad subgrade on some of these roads. This provision specifies the replacement requirements.
15. BB. Extra Quantity for Specific Bid Items. Residential Concrete Driveway and Driveway Approach have 10% added to account for overruns.
16. CC. Disposition of Excess Excavation and Removal Material. All suitable excavation material that will not be used on site shall be hauled and dumped on county property on Monticello Road across from the Greenbriar Drive intersection. This shall exclude loads that are primarily just asphalt.
17. DD thru JJ. These are the asphalt job special provisions.
18. KK. Sanitary Sewer Construction. The description of this work is in the provision. It is for the replacement of a short section of sewer main that conflicts with a storm sewer.
19. LL. Paving Requirement Around Manhole Lids. This addresses the matching of the pavement to the top of the lids.
20. MM. Centerline Joint. This provision addresses the asphalt centerline joint between lanes to ensure that it is reasonably straight.
21. NN. Trash Dumpster pads on Dewberry Drive. The several apartments on Dewberry Drive have end load dumpsters out in the street. These will be replaced with front load dumpsters that will need a somewhat level pad to sit on. The contractor shall work with the apartment owner, Republic Services and the engineer to determine the best locations for these dumpster pads and determine a cost to construct them.
22. OO. Reinforcing Fibers for Asphalt. There is a section of asphalt overlay on Greenbriar Drive that will have fiber reinforcement added to the asphalt mix. This is for a test section to see if this will be a product the county wants to use in the future. The specifications are listed in the provision.
23. QQ. Curb Profile Adjustments During Construction. During this type of work the curb profiles are usually adjusted a little up or down from existing. In some locations it is shown on the plans where we are making significant changes. Other locations not specifically called out will be adjusted as needed by the engineer. Any changes in excavation quantities of the roadway pavement and subgrade are incidental to the project and no pay adjustments are warranted.
24. RR. Relocation of Wood Shed at 3420 Horseshoe Road. There is wood shed on this property that will need to be removed for construction of a detention basin. It shall be

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placed on a versa-lok style foundation. Details are listed in the provision.

PLAN REVIEW

Eric Landwehr, Chris Yarnell and Ike Newman discussed the following items on the plan sheets:

Sheet C0.03

1. Drive entrances are shown in tables with quantities. This is the estimated quantities and there may be more or less at each individual driveway.
2. Allowed pipe alternate information is shown on this sheet. HP Storm pipe or polymer coated metal pipe is allowed as long as the contractor verifies that the engineering hydraulics is not compromised. The contractor may need to up-size a pipe at their cost if needed.

Sheet C1.01

1. This sheet shows the overview of the project. Profile change locations in the streets are shown as a dark shaded area.

Sheet C2.01

1. The sewer replacement is shown on this sheet. There is some sewer lateral quantity in the plans to account for impacted lines on this sheet and the next sheet. . The line was not investigated with a camera so we don't know for sure where the laterals come in.
2. The storm sewer run through this sheet will result in some ditch area to be filled in. There will still be some swale work needed in order to allow the yards to drain properly and there are some area openings in the inlets to capture the water.
3. 3453 Horseshoe gets a new drive entrance added on the Sycamore side.
4. Sycamore intersection radii get widened.

Sheet C2.02

1. The sewer main has a concrete encasement that will be replaced. The new stormwater pipe will go under it.
2. The back yard of 3412 Sycamore will be graded to drain into the catch basin (area inlet) which will have a grate on top of it.
3. The pipe through 3433 Horseshoe will be put in basically the same location as existing.
4. The inlet pipe between 3432 and 3430 Horseshoe is pretty short due to the sewer main conflict that cannot be relocated. There is some ditch grading and ditch stabilization between these properties.

Sheet C2.03

1. The catch basin CB13 is a junction box with a grate on top to account for some yard drainage between the properties.
2. The swale between the two properties will get a TRM added.
3. These properties are below the detention basin that will be built. Details are shown a different sheet.
3. 3421 Horseshoe gets a new drive entrance added.

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Sheet C2.04

1. Sycamore intersection radii get widened.
2. The intersection of Greenbriar and Horseshoe gets improved significantly. There is a box culvert under Greenbriar (Old Hwy 54) that will have a junction box built at the end of it and inlets added to catch drainage at the intersection.
3. Inlets are added north of the intersection to capture water to run it to the south to help with hydraulics to the west.
4. Curb and gutter will be added to the north side of Greenbriar.

Sheet C2.05

1. Curb and gutter will be added to the north side of Greenbriar.
2. There is a large ROW on the north side of Greenbriar that will be cleared and the ditch filled in. There will still need to be a swale in the ROW for drainage.
3. The road transitions from old Hwy 54 to the curb and gutter section near the lower driveway at 4112 Greenbriar. This transition is a little odd and the new curb and gutter will be shifted to make this transition better.

Sheet C2.06

1. The intersection of Greenbriar and Dewberry will be improved. The island will be removed and a standard T intersection will be built. There is a short pavement width taper for the right turn onto Dewberry to ease this turning movement.
2. The pavement profile on Greenbriar at this location will be changed to allow for better drainage.
3. Several new inlets will be built.

Sheet C2.07 and C2.08

1. These sheets are an extension of the previous sheet showing drainage and intersection changes.

Sheet C2.09

1. This sheet shows the details for the detention basin. The berm will have to be compacted properly.
2. The wood shed that needs to be relocated is in the way of the berm. The proposed location on the plans was provided by the owner but it could change. If the final result of the relocated shed is significantly different than proposed in the JSP the county will compensate the contractor accordingly.
3. There is pipe that runs into and out of the detention basin and an inlet structure in the basin.

Sheet C2.10

1. This sheet shows the replacement inlets and pipe for an existing inlet and flume that is in a tight curve.

Sheet C2.11

1. This sheet showing the area at Rustic and Dewberry below Greenbriar. New pipes and inlets will be built to replace the current system that runs behind the houses on Rustic.

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2. Pipes to be removed include everything running into a junction box behind 3942 Rustic. The existing pipes and system behind Rustic houses is private and will remain in place as is.
3. The new system will run down the east side of Rustic and tie into an existing drop inlet.

Sheet C2.12

1. This sheet shows the street profile changes on Rustic to make the street drain properly. Inlets will be added to capture the water and the pipe will connect to the existing drop inlet to the south.
2. There will be a new junction box with a manhole lid built in the middle of the street due to problems locating it behind the back of curb on the west side.

Sheet C2.13

1. This sheet shows the street profile change on Dewberry to improve the sag vertical curve.
2. The existing parking lot at 3932 Dewberry will be overlaid so it matches with the new street.
3. Contours on this sheet show the grading changes.

Sheet C2.14

1. There are new inlets in the street and one at the bottom of the cul-de-sac.
2. There is a service road to the sewer treatment plant that the new outlet pipe will run under. There is a junction box that will allow the pipe grade to change so it can go under the service road.

Sheet C2.15

1. This sheet shows the change to the intersection of Greenbriar at Monticello. The existing right-turn lane area from the old Hwy 54 will be removed so the intersection can be a normal T type intersection.
2. There is some grading along Greenbriar/Monticello to get the ditch to drain. There are pipes under the driveway and street approach.
3. The county will bid the overlay of Monticello with their annual overlay bid next year. The asphalt work on the two street connections to Monticello will just end at the edge of the road with no butt joint.

Sheets C3.01 thru C3.05

1. Pipe profile sheets.

Sheet C3.06

1. Tables provide design information for the inlets and pipes.

Sheets C4.01 thru C4.03

1. Special detail and standard detail sheets.

Sheets C5.01 thru C5.02

1. Erosion Control sheets.
2. Silt fence is shown on the sheets and all inlets, catch basins, area inlets, etc. will have to have inlet protection for erosion control. Straw wattles work OK in the curb inlets but you have to watch for sediment build up and clogging. Pre-made devices specifically for this

application work better.

QUESTIONS AND ANSWERS

Received at pre-bid meeting, by telephone, e-mail etc. prior to issuing Addendum No. 1

- Q1. The bid proposal has subgrade stabilization in SY but the JSP shows it as CY. Which should it be?
- A1. SY is correct. The bid proposal is correct. The JSP will be changed to show payment in SY. Depth is 18".
- Q2. There is a note on Sheet C2.01 that reads to connect a roof drain to stormwater pipe with an Inserta-Tee connection. What is this?
- A2. Inserta-Tee is a brand of pipe connection that provides a water tight seal for connections. If we need to connect one of the roof or foundation drains to a pipe then it will need to be with an Inserta-Tee connection.
- Q3. If we use an alternate pipe would we allow a galvanized flared end section.
- A3. Yes you would have to use galvanized FES if you use polymer coated pipe and we would allow the galvanized FES for the plastic pipe.
- Q4. Is there curb on the parking lot at 3932 Dewberry?
- A4. NO. None existing and we will NOT build any new.
- Q5. You said you don't want any asphalt in the dump location on County property?
- A5. There will be some asphalt likely mixed in with some of the haul off material and this is OK. We don't want trucks with only asphalt dumped in the area with the rest of the regular dirt and concrete fill. We will probably allow a separate location for asphalt only dumping but we figure that if the asphalt company comes in and mills that material they will probably want to keep it anyway.
- Q6. The JSPs state that the subgrade stabilization is paid in CY but the bid proposal is in SY?
- A6. The bid item in SY on the proposal is correct. The addendum will correct the JSP.
- Q7. Since the subgrade stabilization is in SY at 18" deep, what happens if we get into needed to go deeper?
- A7. We will adjust the pay quantity or work something else out to compensate you properly.
- Q8. What will you do if utilities are in conflict with the subgrade stabilization depth?
- A8. We will either have the utility company lower their lines or we'll allow a clean rock in the area around the utility so as not to damage it with the shot rock.
- Q9. For staking will you just give us back of curb?
- A9. Where we have survey information at profile changes in the street we'll provide back of curb and centerline. For areas where we just have curb and gutter replacement we'll shoot the existing elevation of the curb and stake a 4' offset.
- Q10. For getting people in and out of their driveways will you provide payment for temporary surfacing for the driveway and in the street?
- A10. No we don't pay for temporary surfacing on any projects like this. We've never experienced the need to bring in extra rock for getting people access to their drives or

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keeping the road passable. Normally the pavement is left in place until you start the pavement replacement part of the project and when doing that you'll placing base rock as you go. For driveways, if you are cutting through the approach to lay a pipe you are backfilling with rock anyway. In other places where you are just replacing the drive the people typically just park in the street or a neighbor's driveway while it is being done. We've never had an issue with needing to add additional rock.

Q11. There are a lot of contour lines showing changes in some of the yards. What are some of these for?

A11. The contour lines shown in bold are changes to the existing grading of the yards. This is done to provide the proper sheet drainage off the yard or to direct water into a swale or inlet.

Q12. There is a quantity for sewer laterals in the proposal. Where are these at?

A12. 3433 Horseshoe has a service lateral that will be impacted. The quantity is to connect it. The exact location and quantity is not known so an estimate amount was included.

Q13. How many cleanouts do we need for the laterals?

A13. We don't know how many cleanouts are needed? Assume it will be minimal if any. We will do a change order to pay for that separately if necessary.

Q14. Will flowable fill be allowed instead of removing a pipe?

A14. We prefer to remove the pipe if it is relatively easy to take out. But in cases where a pipe is really deep or is in a yard that would require tearing the yard up pretty bad we will consider flowable fill as an alternative. So to answer the question, yes we will allow it but it will be at our discretion.

Q15. Is there a bid item for the trash dumpster pads as described in the JSPs?

A15. No. We will add it as a change order or as an overrun of quantities. We will work with the entities to build to suit. It will kind of be like a design build. We had trouble figuring out exactly how these would work and decided it might be best to leave it to the contractor and our inspector to figure it while construction is going on. Ideally it will be an extension of the driveway and approach width but may require some extra grading and/or versa-lok wall. We'll compensate the contractor at an agreed to amount.

Q16. Is the fence around the detention basin an incidental item?

A16. NO. There will be payment on that. It was inadvertently left out of the bid proposal. We'll add it in the addendum. It will be a basic chain link style fence with an access gate.

ESL:el

CC: File
Attendees
Planholders