

Springville City
1500 WEST 400 NORTH DETENTION BASIN
RFB 2018-021

ADDENDUM #01

September 12, 2018

To all Plan Holders:

You are hereby notified that the following changes, clarifications, and/or corrections have been made to the Contract Documents and Specifications, and /or Drawings for the above referenced project.

The following ADDENDUM consisting of 2 page(s) shall be made part of the contract documents, and all provisions of the Contract shall apply thereto.

Bidders shall acknowledge receipt of this addendum in the space provided in the BID FORM.

CLARIFICATION

1. Per agreement with the City, the existing building will be removed by others by December 1, 2018. Work on the project can start before December 1, 2018 but cannot conflict with the removal of the building. All work that could not be completed with the build, can be completed after the building has been removed.

CONTRACT DOCUMENTS AND SPECIFICATIONS

2. **REPLACE** Document 00110 “Information for Bidders” Section 1.02 TENTIVE PROJECT SCHEDULE with the revised Section 1.02 TENTIVE PROJECT SCHEDULE below.

1.02 TENTATIVE PROJECT SCHEDULE

The following is a preliminary project schedule and is subject to change:

Public Announcement Published in Newspaper	Saturday, September 8, 2018 Sunday, September 9, 2018
Bid Documents Available on Sciquest (https://tinyurl.com/springvillebids) (From the link, search for 1500 west 400 North Detention Basin project)	on Monday, September 10, 2018
Bids Due on Sciquest (https://tinyurl.com/springvillebids)	4:30 PM, Friday, September 21, 2018
Notice of Award	Tuesday, October 2, 2018
Pre-Construction Meeting	Thursday, October 4, 2018
Notice to Proceed / Commence Construction	Tuesday, October 9, 2018
Construction Substantial Completion	Friday, January 4, 2019
Construction Final Completion	14 Days after the Substantial Completion

3. **REPLACE** Document 00500 “Agreement” Section 1.02 CONTRACT TIME, LIQUIDATED DAMAGES AND BONUS, Paragraph B with the revised Section 1.02 CONTRACT TIME, LIQUIDATED DAMAGES AND BONUS, Paragraph B below.
 - B. Dates for Substantial Completion and Final Payment
 1. The Work will be substantially completed by Friday, January 4, 2019 within approximately 87 calendar days after the date when the Contract Times commence to run as provided in paragraph 2.03 of the General Conditions, and completed and ready for final payment in accordance with paragraph 14.07 of the General Conditions by Friday, January 18, 2019, within approximately 101 calendar days after the date when the Contract Times commence to run. **All paving that is required by the project must be complete in 2018 according to Springville City Specifications. If paving is not completed before temperatures drop, the contractor will place temporary pavement down for the winter months at no cost to the City and come back in the spring and replace the temporary pavement with permanent pavement at no cost to the City.**
4. **REPLACE** Document 00301 “Bid Schedule” with the revised Document 00301 “Addendum # 1 Bid Schedule”.
5. **REPLACE** Document 01025 “Measurement and Payment” with the revised Document 01025 “Addendum # 1 Measurement and Payment”.

DRAWINGS

6. **REPLACE** sheets DT-1 and DT-2 in the plan set “1500 WEST400 NORTH DETENTION BASIN” with the revised sheets DT-1 ADDENDUM #01 and DT-2 ADDENDUM #01.

For your information all changes have been noted in **RED in the associated amended documents.**

- END OF ADDENDUM -

SECTION 00310

ADDENDUM # 01 BID SCHEDULE

1.01 PROJECT IDENTIFICATION

- A. Name: 1500 WEST 400 NORTH DETENTION BASIN
-
- B. Submitted to: Springville City
110 South Main
Springville City, Utah 84663

1.02 RELATED SECTIONS

Section 01025: Measurement and Payment

1.03 SCHEDULES TO BE ADDED TO THE AGREEMENT

This Bid Schedule contains the schedule of values which will be incorporated into the Agreement (Section 00500) by reference.

1.04 BID SCHEUDLE

A. Approach To Work and Constraints

The following shall be considered in preparing the Bid Schedule:

1. 1500 West must remain open to traffic with a minimum of one lane of traffic in each direction at all times. Access to all adjacent streets will need to be provided at all time during the project.
2. Night work will be allowed (if requested), but not required.
3. Cost of mobilization is limited to no greater than 5% of the cost of construction.
4. Native material can be used for fill on the detention basin outside of the roadway section. Roadway section is from back of curb to back of curb.

B. Schedule of Values

ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT COST	TOTAL AMOUNT
1	Mobilization	1	LS		\$ -
2	Traffic control	1	LS		\$ -
3	Excavation/ Detention Pond Grading	7,700	CY		\$ -

4	Granular Backfill Borrow	600	CY		\$ -
5	Remove Existing Manhole	1	EA		\$ -
6	Remove Existing Storm Drain Pipe	190	LF		\$ -
7	10 Inch PVC	174	LF		\$ -
8	24 Inch RCP	42	LF		\$ -
9	30 Inch RCP	360	LF		\$ -
10	Storm Drain Combo Box	1	EA		\$ -
11	4' x 4' Outlet Structure	2	EA		\$ -
12	4' x 4' Inlet Box	2	EA		\$ -
13	6' Storm Drain Manhole	2	EA		\$ -
14	Cast-in-Place 5' Storm Drain Manhole	1	EA		\$ -
15	Curb Face Inlet	1	EA		\$ -
16	8" Untreated Base Course	2500	SF		\$ -
17	4" Asphalt	2500	SF		\$ -
18	Adjust Existing Manhole to New Finished Grade	1	EA		\$ -
19	Cap Existing Water Well	1	EA		\$ -
20	Removal and Disposal of Existing Items and Materials	1	LS		\$ -
BID TOTAL					\$ -

1.05 BIDDER'S ACKNOWLEDGEMENT

The BIDDER acknowledges to the OWNER that the BID provided herein includes total cost required to build a fully functioning project including all work, materials, appurtenances, accessories, and related items as outlined within these specifications and shown in the drawings.

COMPANY: _____

Signed: _____

Title: _____

Date: _____

- END OF SECTION -

SECTION 01025

ADDENDUME # 01 MEASUREMENT AND PAYMENT

PART 1 GENERAL

- A. All work completed under this contract shall be in accordance with the Plans and Specifications and will be measured by the ENGINEER or his authorized representative. The quantities appearing on the Bid Schedule are approximate only, and are prepared for the comparison of bids. Payment to CONTRACTOR on bid items with unit prices other than "Lump Sum" or "Plan Quantity" will be made for actual quantities of work performed and accepted, or material furnished in accordance with the Contract. The scheduled quantities of work to be done and materials to be furnished may be increased or decreased.
- B. The term "Lump Sum" when used as an item of payment will mean complete payment for the work described in the contract. When a complete structure, portion of work, or unit is specified "Lump Sum" as the unit of measurement, the unit will include fittings, accessories, and all work necessary to complete the work as shown on the plans and as specified in the contract documents.
- C. The term "Plan Quantity" when used in an item description will mean that the item will not be measured, but will instead be paid for by the specified unit of measure and at the estimated quantity listed in the Bid Schedule.
- D. Measurement and payment to furnish and install or construct a particular Bid Item will be considered as payment in full for furnishing all labor, equipment, materials, supplies, tools and miscellaneous apparatus necessary for a complete item, and the aggregate payment of all Bid Items will constitute full compensation to construct a complete and workable Project as specified.
- E. Payment for all items shall be at the unit price listed in the bid schedule. Payment will be withheld for any material or work not completed in accordance with these specifications and/or not passing required tests.
- F. No measurement and payment will be made for any incidental work that is not specifically identified in this Division but is necessary for a complete and workable Project as specified. This includes, but is not limited to, dewatering, submittals, certifications, materials testing, clearing and grubbing, landscape restoration, and temporary environmental controls
- G. When the accepted quantities of work vary from the quantities in the bid schedule, CONTRACTOR shall accept as payment in full, so far as contract items are concerned, payment at the original contract unit prices for the work done. OWNER reserves the right to add to or delete from quantities listed in the bid schedule in order to match the total bid with the budgeted money available.

PART 2 BID SCHEDULE

See table on subsequent sheet(s).

BID ITEM	ITEM	METHOD OF MEASUREMENT	BASIS OF PAYMENT
1	Mobilization	Not measured; paid for on a lump sum basis	<p>Payment shall be considered full compensation for general and miscellaneous responsibilities and operations not normally attributed to any other single bid item within this schedule.</p> <p>This shall include, but is not limited to, work described or enumerated in Section 01505, Mobilization and mobilizing to and from the project, clean-up, temporary utilities, SWPPP, payment and performance bonding, insurance, permits, and pre-construction video records.</p> <p>Work completed under this bid item shall be paid for at the contract lump sum price in accordance with the following schedule:</p> <ul style="list-style-type: none"> a. At 10% of project completion, 25% of the lump sum amount will be paid. b. At 25% of project completion, 50% of the lump sum amount will be paid. c. At 50% of project completion, 75% of the lump sum amount will be paid. d. At 75% of project completion, 100% of the lump sum amount will be paid.

BID ITEM	ITEM	METHOD OF MEASUREMENT	BASIS OF PAYMENT
2	Traffic control	Not measured; paid for on a lump sum basis	<p>Payment shall be considered full compensation for design, submission, approval, fees, permits, and implementation of the traffic control plan, including but not limited to: furnish and maintain all signs, electronic VMS boards, channelization devices, flagmen, steel plates, ramping, and barricades required in the specifications or as ordered by the Owner and/or UDOT, and as required for the proper protection and direction of the traveling public. No work shall commence until the project has been adequately signed. Facilities, services, and actions shall comply with, but not necessarily be limited to: MUTCD, UDOT, and Springville City requirements.</p> <p>Work completed under this bid item shall be paid for at the contract lump sum price in accordance with the following schedule:</p> <ul style="list-style-type: none"> a. At 10% of project completion, 25% of the lump sum amount will be paid. b. At 25% of project completion, 50% of the lump sum amount will be paid. c. At 50% of project completion, 75% of the lump sum amount will be paid. d. At 75% of project completion, 100 % of the lump sum amount will be paid.
3	Excavation/ Detention Pond Grading (PLAN QUANTITY)	This item shall not be measured, but shall instead be paid for on a PLAN QUANTITY basis by the cubic yard for the removal and disposal of all excess excavated material generated from excavation as noted in the Bid Schedule.	Payment for this item shall be made at the contract unit bid price for completion of the work as shown on the drawings and specified herein. Payment shall be considered complete compensation for all labor, equipment, and materials, including but not limited to removing, hauling off and disposal of excess excavated material and all other operations and materials required to complete this task as herein described and as shown on the construction drawings. Excavated materials will be reused on-site as fill material outside of the roadway section. The roadway section is defined from back of curb to back of curb. All excess material will be hauled-off at a location established by the Contractor. Item includes all labor, equipment, and materials to grade and shape the detention basin.
4	Granular Backfill Borrow	Paid for on a per cubic yard basis. Weight tickets required.	Payment shall be considered full compensation for all labor, equipment, and materials necessary to furnish imported granular material, haul, place, grade, compact, and all other operations and materials required to complete this task as herein described and as shown on the construction drawings. Item includes scarifying and recompacting existing native material prior to placement of imported material.

BID ITEM	ITEM	METHOD OF MEASUREMENT	BASIS OF PAYMENT
5	Remove Existing Manhole	This item shall be measured based on each manhole removed and disposed of as noted in the Bid Schedule, and as required in the drawings and specifications.	Payment for this item shall be made at the contract unit bid price for completion of the work as shown on the drawings and specified herein. Payment shall be considered complete compensation for all labor, equipment, and materials, including but not limited to removing and disposing of each manhole , excavating, dewatering, shoring, removal and disposal of excess excavated material, trucking and disposal fees, importing suitable backfill material (as needed), placement of suitable fill, protection of existing utilities, compaction and all other operations and materials required to remove and dispose of each manhole as herein described and as shown on the construction drawings.
6	Remove Existing Storm Drain Pipe	Linear foot along centerline of pipeline removed	Payment for this item shall be made at the contract unit bid price for completion of the work as shown on the drawings and specified herein. Payment shall be considered complete compensation for all labor, equipment, and materials, including but not limited to removing and disposing of reinforced concrete pipe , excavating, dewatering, shoring, removal and disposal of excess excavated material, trucking and disposal fees, importing suitable backfill material (as needed), placement of suitable fill, protection of existing utilities, compaction and all other operations and materials required to remove and dispose of reinforced concrete pipe as herein described and as shown on the construction drawings.

BID ITEM	ITEM	METHOD OF MEASUREMENT	BASIS OF PAYMENT
7	10 Inch PVC	Linear foot along centerline of pipeline installed	<p>Payment shall be considered full compensation for all labor, equipment and materials necessary to furnish and install the pipeline at the location, depth, and grade shown in the drawings, including, but not limited to: unclassified excavation; shoring; preserving and protecting existing utilities; furnishing and installing caution tape; furnishing, installing and compacting foundation, bedding and backfill material; bypass pumping (as needed), cleaning, quality control testing (including air and video), placing the pipeline in service, cleanup and all other operations and materials required to complete this portion of the work. Excavation shall include the removal and subsequent handling of all water, earth, shale, loose or cemented gravel, loose rock, solid rock and other materials of whatsoever nature excavated or otherwise removed in the performance of contract work. All trench backfill materials up to roadbase layer are included in this item, unless there is a separate bid item. Compensation includes utility crossings and coordination with utility companies. Includes all field adjusting (fitting) of pipe profiles (while meeting all contract requirements) to avoid (where possible) utility relocations, and includes all utility relocations (where project facilities cannot be installed by field fitting of pipe profiles without such relocations). Item includes all necessary labor and materials to complete connections to existing structures including coring of structures, grouting, cleaning, testing and placing existing and new lines into service and all other operations and materials to complete a functioning system as herein described and as shown on the drawings.</p>

BID ITEM	ITEM	METHOD OF MEASUREMENT	BASIS OF PAYMENT
8	24 Inch RCP	Linear foot along centerline of pipeline installed	<p>Payment shall be considered full compensation for all labor, equipment and materials necessary to furnish and install the pipeline at the location, depth, and grade shown in the drawings, including, but not limited to: unclassified excavation; shoring; preserving and protecting existing utilities; furnishing and installing caution tape; furnishing, installing and compacting foundation, bedding and backfill material; bypass pumping (as needed), cleaning, quality control testing (including air and video), placing the pipeline in service, cleanup and all other operations and materials required to complete this portion of the work. Excavation shall include the removal and subsequent handling of all water, earth, shale, loose or cemented gravel, loose rock, solid rock and other materials of whatsoever nature excavated or otherwise removed in the performance of contract work. All trench backfill materials up to roadbase layer are included in this item, unless there is a separate bid item. Compensation includes utility crossings and coordination with utility companies. Includes all field adjusting (fitting) of pipe profiles (while meeting all contract requirements) to avoid (where possible) utility relocations, and includes all utility relocations (where project facilities cannot be installed by field fitting of pipe profiles without such relocations). Item includes all necessary labor and materials to complete connections to existing structures including coring of structures, grouting, cleaning, testing and placing existing and new lines into service and all other operations and materials to complete a functioning system as herein described and as shown on the drawings.</p>

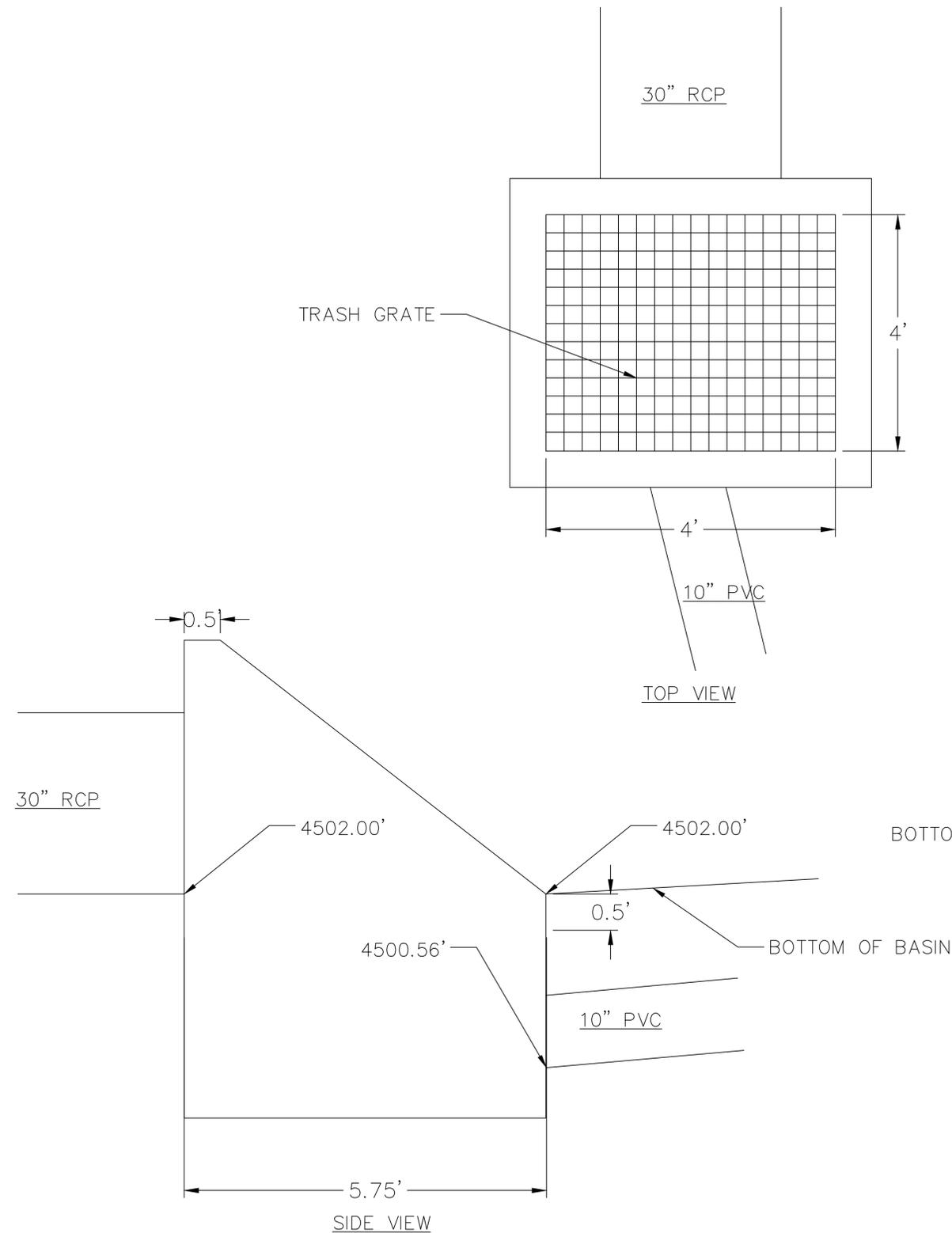
BID ITEM	ITEM	METHOD OF MEASUREMENT	BASIS OF PAYMENT
9	30 Inch RCP	Linear foot along centerline of pipeline installed	<p>Payment shall be considered full compensation for all labor, equipment and materials necessary to furnish and install the pipeline at the location, depth, and grade shown in the drawings, including, but not limited to: unclassified excavation; shoring; preserving and protecting existing utilities; furnishing and installing caution tape; furnishing, installing and compacting foundation, bedding and backfill material; sewer bypass pumping (as needed), cleaning, quality control testing (including air and video), placing the pipeline in service, cleanup and all other operations and materials required to complete this portion of the work. Excavation shall include the removal and subsequent handling of all water, earth, shale, loose or cemented gravel, loose rock, solid rock and other materials of whatsoever nature excavated or otherwise removed in the performance of contract work. All trench backfill materials up to roadbase layer are included in this item, unless there is a separate bid item. Compensation includes utility crossings and coordination with utility companies. Includes all field adjusting (fitting) of pipe profiles (while meeting all contract requirements) to avoid (where possible) utility relocations, and includes all utility relocations (where project facilities cannot be installed by field fitting of pipe profiles without such relocations). Item includes all necessary labor and materials to complete connections to existing structures including coring of structures, grouting, cleaning, testing and placing existing and new lines into service and all other operations and materials to complete a functioning system as herein described and as shown on the drawings.</p>
10	Storm Drain Combo Box	Structures shall be measured based on each structure installed complete. Structure depths may vary from structure to structure as shown on the plans. Cost bid per each structure shall govern. No additional compensation shall be given, regardless of depth.	<p>Payment shall be considered full compensation for all labor, equipment and materials necessary to install the structure at the location shown in the drawings (regardless of depth), including, but not limited to: constructing or furnishing the structure, lid, manhole ring and cover, grates, grade rings, base, sections, boots, hardware, and all necessary fittings to make a functional system; removal of existing pipelines where required; excavation, haul-off and disposal of excavated materials; dewatering; shoring; installing the structure with all required imported bedding and backfill material and placement; compaction; cleaning, grouting and all other operations and materials required to complete each structure, including concrete collars and/or associated concrete work as required. Item includes all necessary labor and materials to complete connections to existing or new pipes including coring of structures, grouting, cleaning, testing and placing existing and new lines into service, plugging existing lines, and all other operations and materials to complete a functioning system.</p>

BID ITEM	ITEM	METHOD OF MEASUREMENT	BASIS OF PAYMENT
11	4' x 4' Outlet Structure	Structures shall be measured based on each structure installed complete. Structure depths may vary from structure to structure as shown on the plans. Cost bid per each structure shall govern. No additional compensation shall be given, regardless of depth.	Payment shall be considered full compensation for all labor, equipment and materials necessary to install the structure at the location shown in the drawings (regardless of depth), including, but not limited to: constructing or furnishing the structure per the plans, lid, manhole ring and cover, grates, grade rings, base, sections, boots, hardware, and all necessary fittings to make a functional system; removal of existing pipelines where required; excavation, haul-off and disposal of excavated materials; dewatering; shoring; installing the structure with all required imported bedding and backfill material and placement; compaction; cleaning, grouting and all other operations and materials required to complete each structure, including concrete collars and/or associated concrete work as required. Item includes all necessary labor and materials to complete connections to existing or new pipes including coring of structures, grouting, cleaning, testing and placing existing and new lines into service, plugging existing lines, and all other operations and materials to complete a functioning system.
12	4' x 4' Inlet Box	Structures shall be measured based on each structure installed complete. Structure depths may vary from structure to structure as shown on the plans. Cost bid per each structure shall govern. No additional compensation shall be given, regardless of depth.	Payment shall be considered full compensation for all labor, equipment and materials necessary to install the structure at the location shown in the drawings (regardless of depth), including, but not limited to: constructing or furnishing the structure, lid, manhole ring and cover, grates, grade rings, base, sections, boots, hardware, and all necessary fittings to make a functional system; removal of existing pipelines where required; excavation, haul-off and disposal of excavated materials; dewatering; shoring; installing the structure with all required imported bedding and backfill material and placement; compaction; cleaning, grouting and all other operations and materials required to complete each structure, including concrete collars and/or associated concrete work as required. Item includes all necessary labor and materials to complete connections to existing or new pipes including coring of structures, grouting, cleaning, testing and placing existing and new lines into service, plugging existing lines, and all other operations and materials to complete a functioning system.

BID ITEM	ITEM	METHOD OF MEASUREMENT	BASIS OF PAYMENT
13	6' Storm Drain Manhole	Structures shall be measured based on each structure installed complete. Structure depths may vary from structure to structure as shown on the plans. Cost bid per each structure shall govern. No additional compensation shall be given, regardless of depth.	Payment shall be considered full compensation for all labor, equipment and materials necessary to install the structure at the location shown in the drawings (regardless of depth), including, but not limited to: constructing or furnishing the structure, lid, manhole ring and cover, grates, grade rings, base, sections, boots, hardware, and all necessary fittings to make a functional system; removal of existing pipelines where required; excavation, haul-off and disposal of excavated materials; dewatering; shoring; installing the structure with all required imported bedding and backfill material and placement; compaction; cleaning, grouting and all other operations and materials required to complete each structure, including concrete collars and/or associated concrete work as required. Item includes all necessary labor and materials to complete connections to existing or new pipes including coring of structures, grouting, cleaning, testing and placing existing and new lines into service, plugging existing lines, and all other operations and materials to complete a functioning system.
14	Cast-in-Place 5' Storm Drain Manhole	Structures shall be measured based on each structure installed complete. Structure depths may vary from structure to structure as shown on the plans. Cost bid per each structure shall govern. No additional compensation shall be given, regardless of depth.	Payment shall be considered full compensation for all labor, equipment and materials necessary to install the structure at the location shown in the drawings (regardless of depth), including, but not limited to: constructing or furnishing the structure, lid, manhole ring and cover, grates, grade rings, base, sections, boots, hardware, and all necessary fittings to make a functional system; removal of existing pipelines where required; excavation, haul-off and disposal of excavated materials; dewatering; shoring; installing the structure with all required imported bedding and backfill material and placement; compaction; cleaning, grouting and all other operations and materials required to complete each structure, including concrete collars and/or associated concrete work as required. Item includes all necessary labor and materials to complete connections to existing or new pipes including coring of structures, grouting, cleaning, testing and placing existing and new lines into service, plugging existing lines, and all other operations and materials to complete a functioning system.

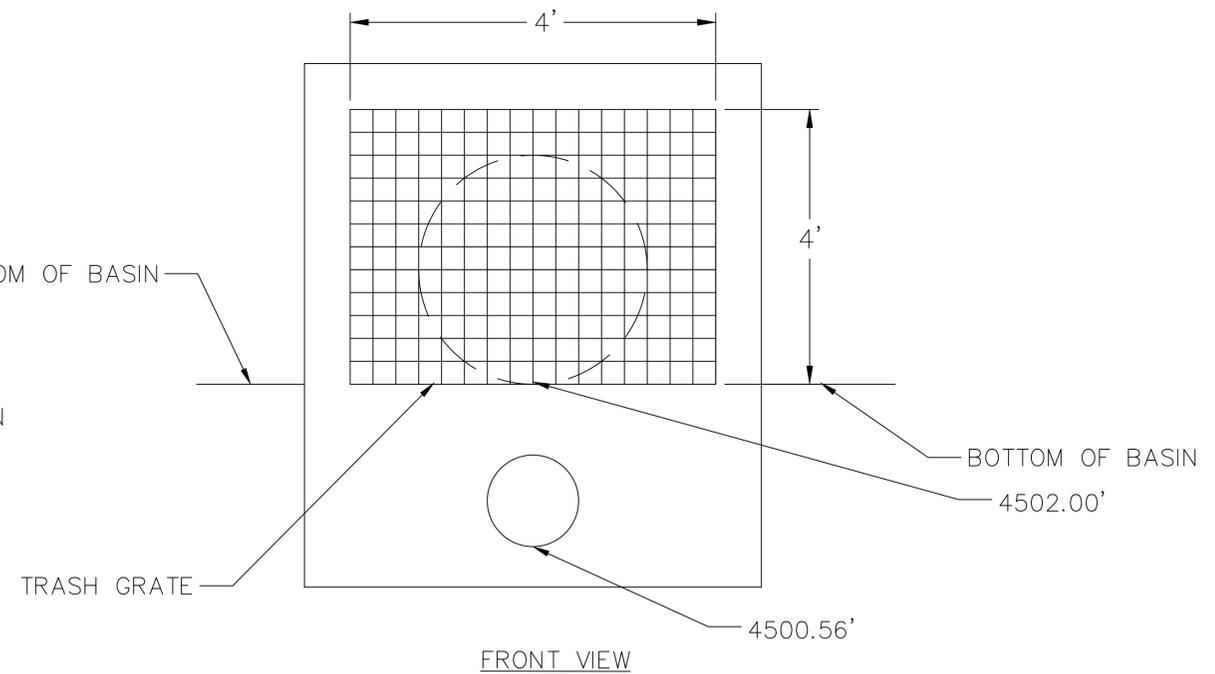
BID ITEM	ITEM	METHOD OF MEASUREMENT	BASIS OF PAYMENT
15	Curb Face Inlet	Structures shall be measured based on each structure installed complete. Structure depths may vary from structure to structure as shown on the plans. Cost bid per each structure shall govern. No additional compensation shall be given, regardless of depth.	Payment shall be considered full compensation for all labor, equipment and materials necessary to install the structure at the location shown in the drawings (regardless of depth), including, but not limited to: constructing or furnishing the structure, lid, manhole ring and cover, grates, grade rings, base, sections, boots, hardware, and all necessary fittings to make a functional system; removal of existing pipelines where required; excavation, haul-off and disposal of excavated materials; dewatering; shoring; installing the structure with all required imported bedding and backfill material and placement; compaction; cleaning, grouting and all other operations and materials required to complete each structure, including concrete collars and/or associated concrete work as required. Item includes all necessary labor and materials to complete connections to existing or new pipes including coring of structures, grouting, cleaning, testing and placing existing and new lines into service, plugging existing lines, and all other operations and materials to complete a functioning system.
16	8" Untreated Base Course	This item shall be measured by the square foot for the 8-inches of untreated road base meeting APWA specifications properly placed in roadway as noted in the Bid Schedule, and as required in the drawings and specifications.	Work completed under this bid item shall be paid for at the contract unit bid price per square foot listed in the Bid Schedule. Payment shall be considered complete compensation for all labor, equipment, and materials necessary, including but not limited to furnishing the untreated base course, hauling, placing, grading, compacting, and other operations and materials required to install untreated road base material as herein specified and as shown on the drawings. Material must comply with the APWA Specification for untreated base course material Section 32 11 23)and meet A1a classification.
17	5" Asphalt	This item shall be measured by the square foot for the 5-inches of asphalt pavement properly placed in roadway as noted in the Bid schedule, and as required in the drawings and specifications.	Work completed under this bid item shall be paid for at the contract unit bid price per square foot listed in the Bid Schedule. Payment shall be considered complete compensation for all labor, equipment, and materials necessary, including but not limited to furnishing the asphalt, prime/tack coat, saw cutting of existing asphalt, preparing existing roadway edges, tack coating edges of existing surface material and gutter edges, hauling, placing, preparing grade for, compacting, backing/shouldering un contained pavement edges, feathering new asphalt to existing AC surface, and other operations and materials required to install bituminous surface course material as herein specified and as shown on the drawings.

BID ITEM	ITEM	METHOD OF MEASUREMENT	BASIS OF PAYMENT
18	Adjust Existing Manhole to New Finished Grade	This item shall be measured based on each manhole adjusted to new finished grade and collared with concrete.	Complete compensation for all labor, equipment, and materials required for to adjust manhole ring and cover adjusted to final asphalt grade, and a concrete collar installed. Payment shall be considered complete compensation for all labor, equipment, and materials including but not limited to providing grade rings as needed, setting the ring and cover to grade, forming, placing, finishing and curing the new concrete collar, plating the collars to allow for adequate cure time before traffic is allowed on them, and all other operations and materials required to complete the adjustment of the manhole ring and cover as herein described and as shown on the drawings.
19	Cap Existing Water Well	Paid per water well capped	Payment shall be considered full compensation for all labor, equipment, and materials necessary to properly cap the existing water well per State of Utah requirements and specifications.
20	Removal and Disposal of Existing Items and Materials	Not measured; paid for on a lump sum basis	Payment shall be considered full compensation for all labor, equipment, and materials necessary to properly remove and dispose of all existing items on the parcel including but not limited to fencing, concrete, and other items that need to be removed.



NOTES:

1. ALL WORK TO BE DONE IN ACCORDANCE WITH SPRINGVILLE CITY ENGINEERING STANDARDS AND SPECIFICATIONS.
2. REMOVE AND REPLACE CONCRETE CURB, GUTTER AND SIDEWALK TO NEAREST JOINT. NO SAWCUTTING PERMITTED.
3. PROTECT IN PLACE EX UTILITIES, PAVEMENT, CURB, GUTTER, SIDEWALK, AND ALL OTHER SITE FEATURES NOT MARKED FOR REMOVAL.
4. FINISHED GRADE OF RECONSTRUCTED ROAD TO MATCH EXISTING GRADES. STRAIGHT GRADE FROM CENTERLINE TO EXISTING LIP OF GUTTER AT 2.0% MINIMUM CROSS SLOPE. WARP AS REQUIRED AT INTERSECTIONS AND CORNERS. USE EXISTING TOPOGRAPHIC CONTOURS AS A GUIDE. CONTRACTOR TO ESTABLISH SUFFICIENT GRADES TO ACCEPTABLY RECONSTRUCT ROAD PRIOR TO REMOVAL OF ASPHALT PAVEMENT.
5. LIMITS OF ASPHALT REMOVAL SHOWN ON PLANS INCLUDES OVCUT FOR "T" PATCH PER DETAIL SD-06. ADDITIONAL PAVEMENT REMOVAL WITHOUT ENGINEER APPROVAL WILL BE AT CONTRACTOR'S EXPENSE.
6. CONTRACTORS TO COORDINATE WITH THE FOLLOWING UTILITY COMPANIES.
 - 6.1. POWER – SPRINGVILLE CITY
 - 6.2. GAS – DOMINION
 - 6.3. PHONE – CENTURYLINK
 - 6.4. CABLE – COMCAST
7. ALL STRUCTURES MUST MEET OR EXCEED ASTM SPECIFICATIONS C-858 FOR UNDERGROUND PRE-CAST UTILITY STRUCTURES AND MUST BE DESIGNED FOR A MINIMUM H-20 LIVE LOADING.



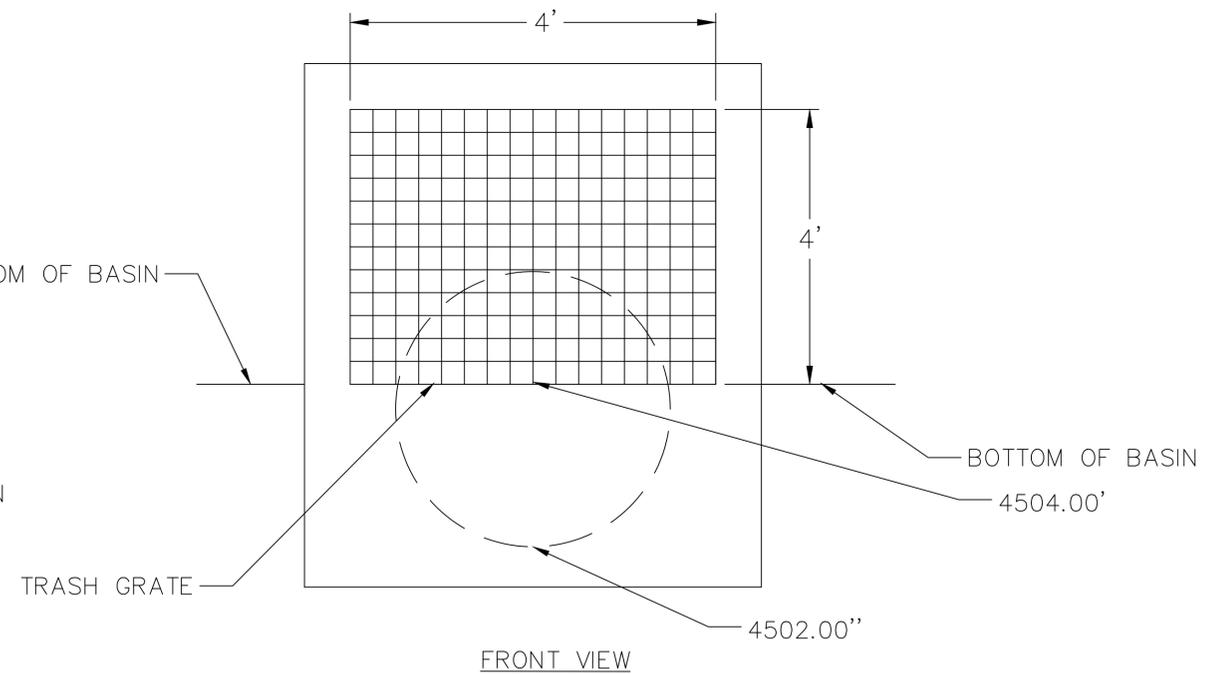
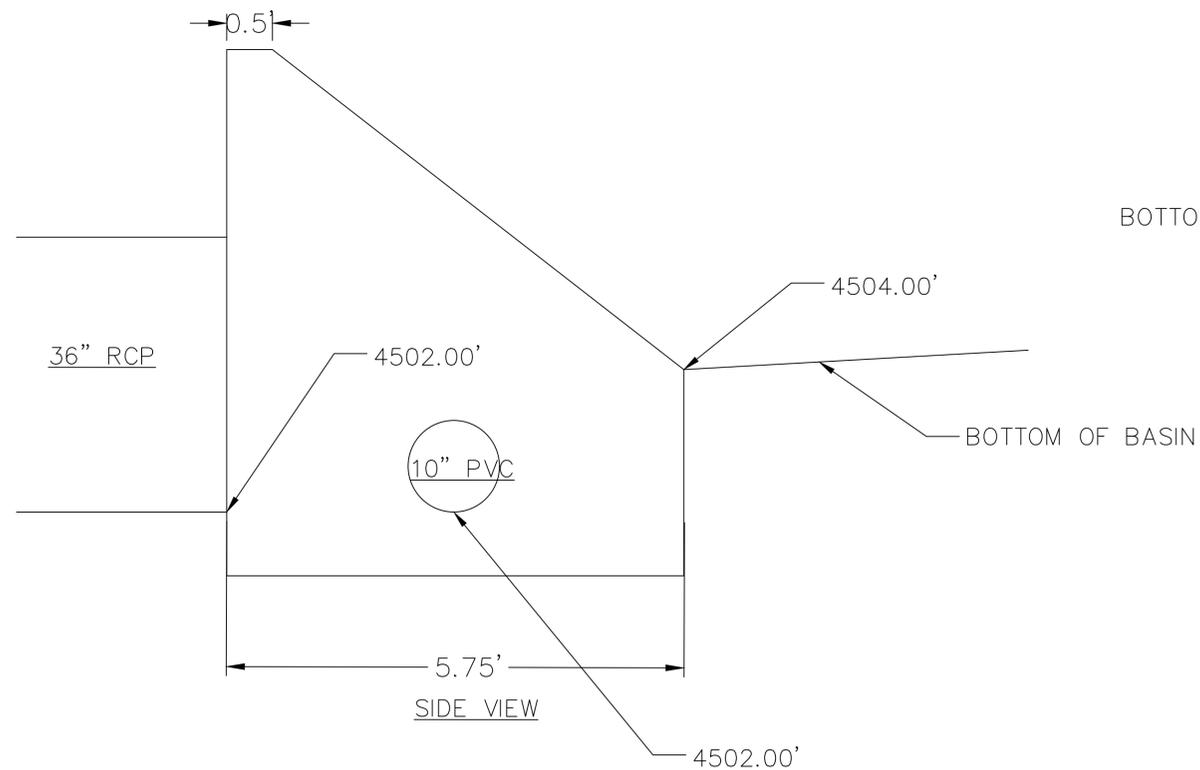
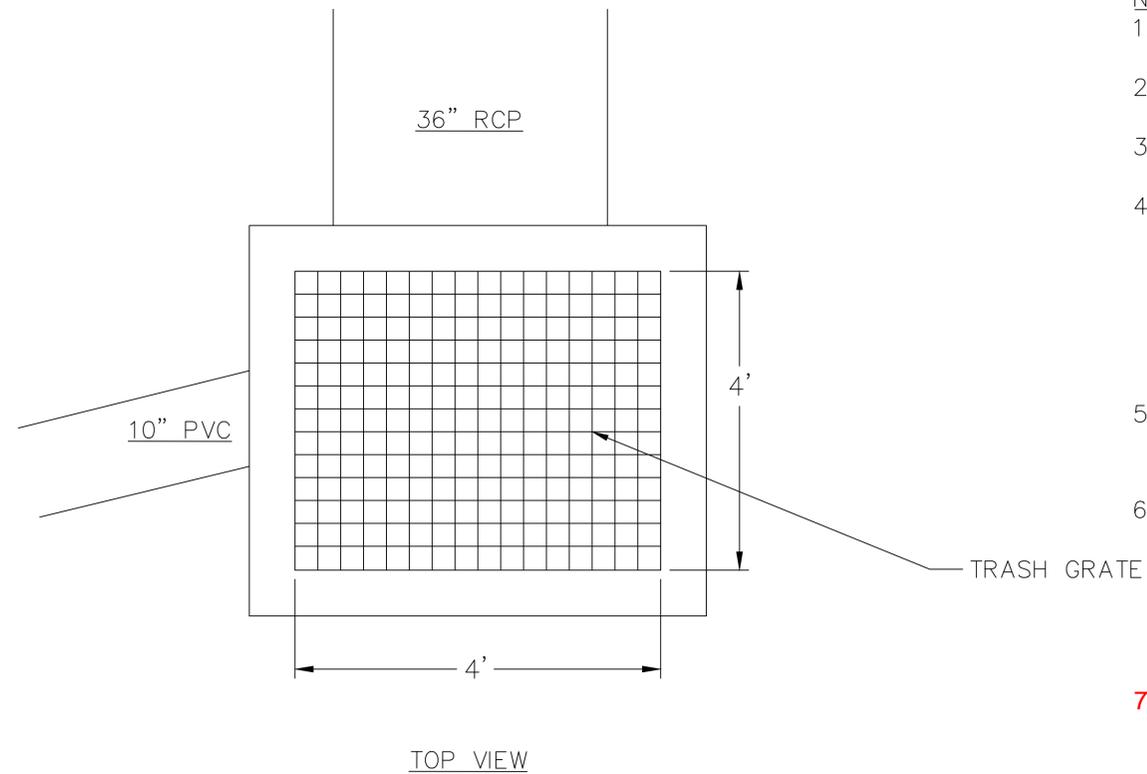
OUTLET STRUCTURE SDCB-4

APPROVED BY CITY ENGINEER
DATE:



6/15/18
BH BH TA
DRAWING SCALE
(22x34) (11x17)
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This has measures the original drawing

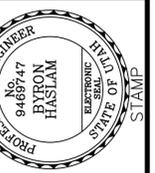
1500 WEST 400 NORTH DETENTION BASIN
PLOT DATE 9/7/2018 2:11 PM
DRAWING NAME Sheet Files 1.dwg



NOTES:

1. ALL WORK TO BE DONE IN ACCORDANCE WITH SPRINGVILLE CITY ENGINEERING STANDARDS AND SPECIFICATIONS.
2. REMOVE AND REPLACE CONCRETE CURB, GUTTER AND SIDEWALK TO NEAREST JOINT. NO SAWCUTTING PERMITTED.
3. PROTECT IN PLACE EX UTILITIES, PAVEMENT, CURB, GUTTER, SIDEWALK, AND ALL OTHER SITE FEATURES NOT MARKED FOR REMOVAL.
4. FINISHED GRADE OF RECONSTRUCTED ROAD TO MATCH EXISTING GRADES. STRAIGHT GRADE FROM CENTERLINE TO EXISTING LIP OF GUTTER AT 2.0% MINIMUM CROSS SLOPE. WARP AS REQUIRED AT INTERSECTIONS AND CORNERS. USE EXISTING TOPOGRAPHIC CONTOURS AS A GUIDE. CONTRACTOR TO ESTABLISH SUFFICIENT GRADES TO ACCEPTABLY RECONSTRUCT ROAD PRIOR TO REMOVAL OF ASPHALT PAVEMENT.
5. LIMITS OF ASPHALT REMOVAL SHOWN ON PLANS INCLUDES OVCUT FOR "T" PATCH PER DETAIL SD-06. ADDITIONAL PAVEMENT REMOVAL WITHOUT ENGINEER APPROVAL WILL BE AT CONTRACTOR'S EXPENSE.
6. CONTRACTORS TO COORDINATE WITH THE FOLLOWING UTILITY COMPANIES.
 - 6.1. POWER – SPRINGVILLE CITY
 - 6.2. GAS – DOMINION
 - 6.3. PHONE – CENTURYLINK
 - 6.4. CABLE – COMCAST
7. ALL STRUCTURES MUST MEET OR EXCEED ASTM SPECIFICATIONS C-858 FOR UNDERGROUND PRE-CAST UTILITY STRUCTURES AND MUST BE DESIGNED FOR A MINIMUM H-20 LIVE LOADING.

OUTLET STRUCTURE SDCB-5



BH	6/15/18
BH	
TA	
DRAWING SCALE	
(22x34)	
(11x17)	
(22x34)	
(11x17)	
H:	V: