



# Memorandum

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Date: November 16, 2018  
To: Authority Board  
From: Dom Fisher, E.I.T.  
Subject: Award of 2019 Annual Construction Services

## ISSUE SUMMARY

We received sealed bids on November 15, 2018 for the 2019 Annual Construction Services. This bid contains projects included in the 5 Year Capital Improvements Plan and needed over the next 24 months. GDOT utility relocations and emergency services are also included.

## RECOMMENDATION

Summary bid results are as follows:

	Base Bids		
	Division 1	Division 2	Division 3
Anderson Grading, LLC	No Bid	\$ 2,161,625.00	\$ 1,044,785.00
Legacy Water Group, LLC	\$ 730,185.00	\$ 1,575,242.50	\$ 658,690.00
RDJE, Inc.	\$ 681,455.00	No Bid	No Bid
Roberts Hauling and Pipeline Const, Inc.	\$ 545,755.00	No Bid	No Bid
Site Engineering, Inc.	\$ 896,612.53	\$ 2,418,425.04	No Bid

Attached is a copy of the detailed bid tabulation for review. We recommend that the Board award two contracts as follows:

- Division 1 to Roberts Hauling and Pipeline Const, Inc., Jenkinsburg, GA, in the amount of \$545,755.00
- Divisions 2 and 3 to Legacy Water Group, LLC. Covington, GA in amount of \$2,233,932.50

Also, we recommend that the Board authorize the Executive Director to execute the agreements pending legal review.

## ANALYSIS

Contract awards for Annual Construction Services provides the following benefits:

- Establishes contracted unit prices for work needed in calendar years 2019 and 2020.
- Negates the need for bidding services provided by consultants (savings of \$10,000 - \$15,000 per project)
- Decreases time between completion of design and start of construction by 60 – 75 days

Division 1

				Anderson Grading, LLC		Legacy Water Group, LLC		RDJE, Inc		Robert's Hauling & Pipeline Construction, Inc		Site Engineering	
No.	Est. Qty.	Units	Description	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
<b>SOIL EROSION &amp; SEDIMENT CONTROL</b>													
a.	2	EA	Construction Exits			\$1,700.00	\$3,400.00	\$1,800.00	\$3,600.00	\$500.00	\$1,000.00	\$800.00	\$1,600.00
b.	300	LF	Type A Silt Fence			\$1.50	\$450.00	\$2.00	\$600.00	\$3.00	\$900.00	\$1.00	\$300.00
c.	670	LF	Type C Silt Fence			\$2.65	\$1,775.50	\$3.00	\$2,010.00	\$3.00	\$2,010.00	\$4.00	\$2,680.00
d.	4	EA	Stone Check Dams			\$615.00	\$2,460.00	\$300.00	\$1,200.00	\$100.00	\$400.00	\$200.00	\$800.00
e.	30	EA	Filter Sock Check Dams			\$150.00	\$4,500.00	\$115.00	\$3,450.00	\$100.00	\$3,000.00	\$100.00	\$3,000.00
f.	5	EA	Hay Bale Check Dams			\$110.00	\$550.00	\$90.00	\$450.00	\$50.00	\$250.00	\$100.00	\$500.00
g.	3	EA	Inlet Sediment Trap			\$115.00	\$345.00	\$115.00	\$345.00	\$200.00	\$600.00	\$100.00	\$300.00
h.	2,500	SF	Temporary Grassing			\$1.00	\$2,500.00	\$1.00	\$2,500.00	\$3.00	\$7,500.00	\$0.05	\$125.00
i.	2,500	SF	Permanent Grassing			\$1.30	\$3,250.00	\$1.00	\$2,500.00	\$3.00	\$7,500.00	\$1.00	\$2,500.00
<b>WATER MAINS AND ACCESSORIES</b>													
a.	1,250	LF	16-Inch Ductile Iron Water Main			\$104.00	\$130,000.00	\$110.00	\$137,500.00	\$85.00	\$106,250.00	\$195.00	\$243,750.00
b.	500	LF	12-Inch Ductile Iron Water Main			\$82.00	\$41,000.00	\$92.00	\$46,000.00	\$58.00	\$29,000.00	\$160.00	\$80,000.00
c.	600	LF	8-Inch Ductile Iron Water Main			\$63.00	\$37,800.00	\$60.00	\$36,000.00	\$49.00	\$29,400.00	\$122.00	\$73,200.00
d.	200	LF	6-Inch Ductile Iron Water Main			\$50.00	\$10,000.00	\$55.00	\$11,000.00	\$38.00	\$7,600.00	\$115.00	\$23,000.00
e.	3	TN	Ductile Iron Fittings			\$15,225.00	\$45,675.00	\$23,500.00	\$70,500.00	\$10,000.00	\$30,000.00	\$0.01	\$0.03
f.	3	EA	16-Inch Butterfly or Gate Valves w/ VB			\$5,885.00	\$17,655.00	\$5,890.00	\$17,670.00	\$7,000.00	\$21,000.00	\$5,000.00	\$15,000.00
g.	1	EA	12-Inch Butterfly or Gate Valves w/ VB			\$4,100.00	\$4,100.00	\$3,530.00	\$3,530.00	\$2,500.00	\$2,500.00	\$3,000.00	\$3,000.00
h.	1	EA	8-Inch Gate Valves w/ VB			\$2,200.00	\$2,200.00	\$1,775.00	\$1,775.00	\$1,200.00	\$1,200.00	\$1,680.00	\$1,680.00
i.	2	EA	16 X 16-Inch TS&V w/ VB			\$17,125.00	\$34,250.00	\$16,300.00	\$32,600.00	\$12,000.00	\$24,000.00	\$19,000.00	\$38,000.00
j.	1	EA	12 X 12-Inch TS&V w/ VB			\$9,900.00	\$9,900.00	\$8,560.00	\$8,560.00	\$6,500.00	\$6,500.00	\$9,200.00	\$9,200.00
k.	1	EA	12 X 8-Inch TS&V w/ VB			\$7,350.00	\$7,350.00	\$5,720.00	\$5,720.00	\$4,000.00	\$4,000.00	\$7,200.00	\$7,200.00
l.	2	EA	8 X 8-Inch TS&V w/ VB			\$4,900.00	\$9,800.00	\$5,600.00	\$11,200.00	\$4,000.00	\$8,000.00	\$5,500.00	\$11,000.00
m.	4	EA	6 X 6-Inch TS&V w/ VB			\$3,800.00	\$15,200.00	\$5,000.00	\$20,000.00	\$3,500.00	\$14,000.00	\$4,800.00	\$19,200.00
n.	2	EA	8-Inch Insertion Valve w/ VB			\$7,500.00	\$15,000.00	\$5,000.00	\$10,000.00	\$6,000.00	\$12,000.00	\$12,000.00	\$24,000.00
o.	5	EA	Fire Hydrants			\$4,500.00	\$22,500.00	\$3,600.00	\$18,000.00	\$3,500.00	\$17,500.00	\$5,000.00	\$25,000.00
p.	200	LF	3/4-Inch Copper Service Tubing			\$30.00	\$6,000.00	\$26.00	\$5,200.00	\$4.00	\$800.00	\$28.00	\$5,600.00
q.	3	EA	Remove Existing Fire Hydrant			\$1,125.00	\$3,375.00	\$1,300.00	\$3,900.00	\$100.00	\$300.00	\$1,000.00	\$3,000.00
r.	8	EA	Remove Existing Valve			\$565.00	\$4,520.00	\$600.00	\$4,800.00	\$100.00	\$800.00	\$1,000.00	\$8,000.00
s.	4	EA	Relocate Existing Water Service Connection			\$985.00	\$3,940.00	\$600.00	\$2,400.00	\$1,000.00	\$4,000.00	\$800.00	\$3,200.00
t.	1	LS	Relocate Ex. Fire Service Vault at STA 511+25			\$12,500.00	\$12,500.00	\$8,200.00	\$8,200.00	\$10,000.00	\$10,000.00	\$18,000.00	\$18,000.00
u.	10	EA	Cut and Cap Existing Water Main			\$1,125.00	\$11,250.00	\$2,000.00	\$20,000.00	\$1,000.00	\$10,000.00	\$1,800.00	\$18,000.00

No.	Est. Qty.	Units	Description	Anderson Grading, LLC		Legacy Water Group, LLC		RDJE, Inc		Robert's Hauling & Pipeline Construction, Inc		Site Engineering		
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
v.	4	EA	Thrust Collar on 6-Inch Water Main	No Bid		\$1,400.00	\$5,600.00	\$990.00	\$3,960.00	\$500.00	\$2,000.00	\$1,000.00	\$4,000.00	
w.	3	EA	Thrust Collar on 8-Inch Water Main			\$1,500.00	\$4,500.00	\$1,150.00	\$3,450.00	\$500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$4,500.00
x.	1	EA	Thrust Collar on 12-Inch Water Main			\$3,600.00	\$3,600.00	\$1,350.00	\$1,350.00	\$500.00	\$500.00	\$2,000.00	\$2,000.00	
y.	2	EA	Thrust Collar on 16-Inch Water Main			\$4,300.00	\$8,600.00	\$1,580.00	\$3,160.00	\$500.00	\$1,000.00	\$4,500.00	\$9,000.00	
z.	30	CY	Fill Abandoned Pipe w/ Flowable Fill			\$420.00	\$12,600.00	\$290.00	\$8,700.00	\$200.00	\$6,000.00	\$400.00	\$12,000.00	
aa.	500	LF	Polyethylene Encasement for Water Main			\$4.85	\$2,425.00	\$3.00	\$1,500.00	\$1.50	\$750.00	\$2.00	\$1,000.00	

**ROAD AND DRIVEWAY CROSSINGS**

a.	60	LF	Bore and Jack 24-Inch Steel Casing	No Bid	\$465.00	\$27,900.00	\$400.00	\$24,000.00	\$300.00	\$18,000.00	\$450.00	\$27,000.00
b.	55	LF	Bore and Jack 18-Inch Steel Casing		\$350.00	\$19,250.00	\$345.00	\$18,975.00	\$250.00	\$13,750.00	\$350.00	\$19,250.00
c.	20	LF	Open Cut 24-Inch Steel Casing		\$215.00	\$4,300.00	\$175.00	\$3,500.00	\$200.00	\$4,000.00	\$175.00	\$3,500.00
d.	5	LF	Open Cut 18-Inch Steel Casing		\$250.00	\$1,250.00	\$315.00	\$1,575.00	\$50.00	\$250.00	\$145.00	\$725.00
e.	60	LF	Open Cut 16-Inch Steel Casing		\$140.00	\$8,400.00	\$160.00	\$9,600.00	\$150.00	\$9,000.00	\$135.00	\$8,100.00
f.	20	LF	Free Bore for 12-Inch Water Main		\$160.00	\$3,200.00	\$160.00	\$3,200.00	\$40.00	\$800.00	\$125.00	\$2,500.00
g.	70	LF	Bore 2-Inch PVC Casing for LSS		\$20.00	\$1,400.00	\$25.00	\$1,750.00	\$5.00	\$350.00	\$35.00	\$2,450.00

**REMOVE AND REPLACE PAVEMENT AND DRIVEWAYS**

a.	150	LF	Remove and Replace Asphalt w/ Crushed Stone	No Bid	\$12.50	\$1,875.00	\$30.00	\$4,500.00	\$5.00	\$750.00	\$100.00	\$15,000.00
b.	59	LF	Remove and Replace Gravel D/W w/ Crushed Stone		\$8.00	\$472.00	\$20.00	\$1,180.00	\$5.00	\$295.00	\$35.00	\$2,065.00
c.	75	LF	Remove and Replace Asphalt w/ Temp. Asphalt		\$23.00	\$1,725.00	\$100.00	\$7,500.00	\$25.00	\$1,875.00	\$140.00	\$10,500.00

**ALLOWANCES**

a.	250	CY	Trench Rock Excavation and Removal	No Bid	\$75.00	\$18,750.00	\$75.00	\$18,750.00	\$75.00	\$18,750.00	\$75.00	\$18,750.00
b.			Construction Surveying		\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00				
c.			Soils & Concrete Testing by Geotech		\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00				
d.			Blasting Monitoring		\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00				
e.			NPDES Discharge Compliance Monitoring		\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00				

Subtotal \$597,092.50 \$615,860.00 \$449,580.00 \$791,175.03

**SOIL EROSION & SEDIMENT CONTROL**

a.	250	LF	Type A Silt Fence	No Bid	\$1.50	\$375.00	\$2.00	\$500.00	\$3.00	\$750.00	\$1.00	\$250.00
b.	20	EA	Filter Sock Check Dams		\$150.00	\$3,000.00	\$115.00	\$2,300.00	\$100.00	\$2,000.00	\$100.00	\$2,000.00
c.	3	EA	Hay Bale Check Dams		\$110.00	\$330.00	\$90.00	\$270.00	\$100.00	\$300.00	\$100.00	\$300.00
d.	250	SF	Temporary Grassing		\$0.05	\$12.50	\$1.00	\$250.00	\$5.00	\$1,250.00	\$0.05	\$12.50

**FORCE MAIN PROTECTION**

a.	200	LF	Force Main Shield	No Bid	\$545.00	\$109,000.00	\$240.00	\$48,000.00	\$400.00	\$80,000.00	\$425.00	\$85,000.00
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No.	Est. Qty.	Units	Description	Anderson Grading, LLC		Legacy Water Group, LLC		RDJE, Inc		Robert's Hauling & Pipeline Construction, Inc		Site Engineering	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
b.	2	EA	Concrete Thrust Collars	No Bid		\$4,100.00	\$8,200.00	\$1,200.00	\$2,400.00	\$500.00	\$1,000.00	\$2,000.00	\$4,000.00
c.	1	LS	Adjust Manhole STA 108+15			\$2,300.00	\$2,300.00	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$4,000.00	\$4,000.00

ALLOWANCES

a.	25	CY	Trench Rock Excavation and Removal	No Bid		\$75.00	\$1,875.00	\$75.00	\$1,875.00	\$75.00	\$1,875.00	\$75.00	\$1,875.00
b.			Construction Surveying			\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00				
c.			Soils & Concrete Testing by Geotech			\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00				
d.			Blasting Monitoring			\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00				
e.			NPDES Discharge Compliance Monitoring			\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00				

ALTERNATE - CONSTRUCTION PLAN FOR SEWER FORCE MAIN:

a.	240	LF	12-Inch Ductile Iron Force Main	No Bid		\$106.00	\$25,440.00	\$205.00	\$49,200.00	\$90.00	\$21,600.00	\$195.00	\$46,800.00
b.	2	EA	12 X 12-Inch TS&V w/ VB			\$9,750.00	\$19,500.00	\$7,400.00	\$14,800.00	\$7,000.00	\$14,000.00	\$9,200.00	\$18,400.00
c.	2	TN	Ductile Iron Fittings			\$27,000.00	\$54,000.00	\$2,120.00	\$4,240.00	\$20,000.00	\$40,000.00	\$0.01	\$0.02
d.	2	EA	Cut and Cap 12-Inch Force Main			\$2,320.00	\$4,640.00	\$1,500.00	\$3,000.00	\$1,000.00	\$2,000.00	\$1,800.00	\$3,600.00
e.	10	CY	Concrete Thrust Blocking			\$350.00	\$3,500.00	\$275.00	\$2,750.00	\$150.00	\$1,500.00	\$250.00	\$2,500.00
f.	7	CY	Fill Abandoned Pipe w/ Flowable Fill			\$500.00	\$3,500.00	\$300.00	\$2,100.00	\$200.00	\$1,400.00	\$400.00	\$2,800.00
g.	50	LF	Polyethylene Encasement for Force Main			\$4.00	\$200.00	\$9.00	\$450.00	\$2.00	\$100.00	\$2.00	\$100.00

Subtotal						\$133,092.50	\$65,595.00	\$96,175.00	\$105,437.50
Subtotal w/ Alternate	No Bid					\$126,672.50	\$91,735.00	\$95,775.00	\$90,637.52
<b>Division 1 Total</b>						<b>\$730,185.00</b>	<b>\$681,455.00</b>	<b>\$545,755.00</b>	<b>\$896,612.53</b>

Corrections:

1. Legacy Water Group, LLC - Discrepancies in summed total. Resolved in accordance with Contract Documents
2. Roberts Hauling and Pipeline Construction, Inc - Discrepancies between the multiplication of unit of work and unit prices. Resolved in accordance with Contract Documents
3. Site Engineering - Subtotal included alternate.

Division 2

No.	Est. Qty.	Units	Description	Anderson Grading, LLC		Legacy Water Group, LLC		RDJE, Inc		Robert's Hauling & Pipeline		Site Engineering	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
<b>SOIL EROSION &amp; SEDIMENT CONTROL</b>													
a.	5	EA	Construction Exits	\$2,865.00	\$14,325.00	\$1,625.00	\$8,125.00					\$800.00	\$4,000.00
b.	1,000	LF	Type A Silt Fence	\$3.00	\$3,000.00	\$1.50	\$1,500.00					\$1.00	\$1,000.00
c.	1,000	LF	Type C Silt Fence	\$5.00	\$5,000.00	\$2.65	\$2,650.00					\$4.00	\$4,000.00
d.	20	EA	Stone Check Dams	\$340.00	\$6,800.00	\$655.00	\$13,100.00					\$200.00	\$4,000.00
e.	20	EA	Filter Sock Check Dams	\$220.00	\$4,400.00	\$150.00	\$3,000.00					\$100.00	\$2,000.00
f.	20	EA	Hay Bale Check Dams	\$360.00	\$7,200.00	\$110.00	\$2,200.00					\$100.00	\$2,000.00
g.	25	SY	Rip Rap	\$43.00	\$1,075.00	\$58.00	\$1,450.00	No Bid		No Bid		\$70.00	\$1,750.00
h.	20	EA	Inlet Sediment Trap	\$800.00	\$16,000.00	\$115.00	\$2,300.00					\$100.00	\$2,000.00
i.	10,000	SF	Temporary Grassing	\$0.10	\$1,000.00	\$0.01	\$100.00					\$0.05	\$500.00
j.	10,000	SF	Permanent Grassing	\$0.10	\$1,000.00	\$0.05	\$500.00					\$0.25	\$2,500.00
k.	150	SF	Permanent Sodding	\$2.50	\$375.00	\$1.05	\$157.50					\$1.50	\$225.00
l.	500	SF	Mulching	\$0.10	\$50.00	\$0.05	\$25.00					\$0.50	\$250.00
<b>WATER MAINS AND ACCESSORIES</b>													
a.	2,500	LF	12-Inch Ductile Iron Water Main	\$95.00	\$237,500.00	\$62.50	\$156,250.00					\$160.00	\$400,000.00
b.	2,500	LF	8-Inch Ductile Iron Water Main	\$78.00	\$195,000.00	\$47.00	\$117,500.00					\$122.00	\$305,000.00
c.	1,000	LF	6-Inch Ductile Iron Water Main	\$75.00	\$75,000.00	\$55.00	\$55,000.00					\$112.00	\$112,000.00
d.	4	TN	Ductile Iron Fittings	\$14,300.00	\$57,200.00	\$18,000.00	\$72,000.00					\$0.01	\$0.04
e.	8	EA	12-Inch Butterfly or Gate Valves	\$4,290.00	\$34,320.00	\$4,235.00	\$33,880.00					\$4,000.00	\$32,000.00
f.	10	EA	8-Inch Gate Valves w/ VB	\$2,025.00	\$20,250.00	\$2,010.00	\$20,100.00					\$1,680.00	\$16,800.00
g.	4	EA	6-Inch Gate Valves w/ VB	\$1,705.00	\$6,820.00	\$1,585.00	\$6,340.00					\$950.00	\$3,800.00
h.	14	EA	Fire Hydrants	\$4,120.00	\$57,680.00	\$4,360.00	\$61,040.00					\$5,000.00	\$70,000.00
i.	600	LF	3/4-Inch CT Water Service Line	\$70.00	\$42,000.00	\$43.00	\$25,800.00					\$28.00	\$16,800.00
j.	600	LF	1-Inch CT Water Service Line	\$75.00	\$45,000.00	\$55.00	\$33,000.00	No Bid		No Bid		\$35.00	\$21,000.00
k.	100	LF	2-Inch CT Water Service Line	\$130.00	\$13,000.00	\$95.00	\$9,500.00					\$50.00	\$5,000.00
l.	150	LF	2-Inch HDPE Tubing Water Service Line	\$115.00	\$17,250.00	\$71.00	\$10,650.00					\$42.00	\$6,300.00
m.	3	EA	Thrust Collar on 6-Inch Water Main	\$890.00	\$2,670.00	\$1,410.00	\$4,230.00					\$1,000.00	\$3,000.00
n.	3	EA	Thrust Collar on 8-Inch Water Main	\$890.00	\$2,670.00	\$1,480.00	\$4,440.00					\$1,500.00	\$4,500.00
o.	3	EA	Thrust Collar on 12-Inch Water Main	\$890.00	\$2,670.00	\$3,575.00	\$10,725.00					\$2,000.00	\$6,000.00
p.	500	LF	Polyethylene Encasement for Water Main	\$2.00	\$1,000.00	\$4.50	\$2,250.00					\$2.00	\$1,000.00
q.	100	EA	12-Inch Restrained Joint Gaskets	\$265.00	\$26,500.00	\$168.00	\$16,800.00					\$180.00	\$18,000.00
r.	100	EA	8-Inch Restrained Joint Gaskets	\$205.00	\$20,500.00	\$100.00	\$10,000.00					\$140.00	\$14,000.00
s.	10	EA	Connect to Ex. Water Main w/ Solid Sleeve	\$4,330.00	\$43,300.00	\$4,650.00	\$46,500.00					\$2,500.00	\$25,000.00
<b>SEWERS AND ACCESSORIES: DUCTILE IRON OR PVC GRAVITY SEWER</b>													
a.	300	LF	15 or 16-Inch: 0 - 8-Foot Cut	\$149.00	\$44,700.00	\$91.00	\$27,300.00					\$230.00	\$69,000.00
b.	50	LF	15 or 16-Inch: 8 - 10-Foot Cut	\$154.00	\$7,700.00	\$102.00	\$5,100.00					\$250.00	\$12,500.00
c.	50	LF	15 or 16-Inch: 10 - 12-Foot Cut	\$161.00	\$8,050.00	\$118.00	\$5,900.00					\$260.00	\$13,000.00
d.	50	LF	15 or 16-Inch: 12 - 14-Foot Cut	\$169.00	\$8,450.00	\$139.00	\$6,950.00					\$270.00	\$13,500.00
e.	50	LF	15 or 16-Inch: 14 - 16-Foot Cut	\$178.00	\$8,900.00	\$174.00	\$8,700.00					\$280.00	\$14,000.00
f.	1,500	LF	12-Inch: 0 - 8-Foot Cut	\$124.00	\$186,000.00	\$80.00	\$120,000.00					\$190.00	\$285,000.00
g.	250	LF	12-Inch: 8 - 10-Foot Cut	\$129.00	\$32,250.00	\$90.00	\$22,500.00					\$190.00	\$47,500.00
h.	250	LF	12-Inch: 10 - 12-Foot Cut	\$135.00	\$33,750.00	\$107.00	\$26,750.00					\$210.00	\$52,500.00
i.	250	LF	12-Inch: 12 - 14-Foot Cut	\$142.00	\$35,500.00	\$127.00	\$31,750.00					\$220.00	\$55,000.00
j.	250	LF	12-Inch: 14 - 16-Foot Cut	\$150.00	\$37,500.00	\$163.00	\$40,750.00					\$230.00	\$57,500.00
k.	1,500	LF	8-Inch: 0 - 8-Foot Cut	\$105.00	\$157,500.00	\$68.00	\$102,000.00	No Bid		No Bid		\$150.00	\$225,000.00
l.	250	LF	8-Inch: 8 - 10-Foot Cut	\$110.00	\$27,500.00	\$78.00	\$19,500.00					\$160.00	\$40,000.00
m.	250	LF	8-Inch: 10 - 12-Foot Cut	\$116.00	\$29,000.00	\$95.00	\$23,750.00					\$175.00	\$43,750.00
n.	250	LF	8-Inch: 12 - 14-Foot Cut	\$124.00	\$31,000.00	\$115.00	\$28,750.00					\$190.00	\$47,500.00
o.	10	EA	4-Foot Dia. Manhole Base	\$5,780.00	\$57,800.00	\$4,600.00	\$46,000.00					\$1,000.00	\$10,000.00
p.	10	EA	5-Foot Dia. Manhole Base	\$7,870.00	\$78,700.00	\$5,830.00	\$58,300.00					\$1,500.00	\$15,000.00
q.	50	VF	4-Foot Dia. Manhole Riser	\$660.00	\$33,000.00	\$340.00	\$17,000.00					\$450.00	\$22,500.00
r.	15	EA	Composite Frame & Covers for Manhole	\$1,350.00	\$20,250.00	\$1,215.00	\$18,225.00					\$1,500.00	\$22,500.00
s.	2	EA	Conn. to Ex. Manhole w/ Boot, Form New Invert	\$3,785.00	\$7,570.00	\$7,515.00	\$15,030.00					\$4,000.00	\$8,000.00
t.	500	LF	Clean Up and Test 15 or 16-Inch Gravity Sewer	\$4.10	\$2,050.00	\$1.00	\$500.00					\$10.00	\$5,000.00
u.	2,500	LF	Clean Up and Test 12-Inch Gravity Sewer	\$3.70	\$9,250.00	\$0.75	\$1,875.00					\$8.00	\$20,000.00
v.	2,500	LF	Clean Up and Test 8-Inch Gravity Sewer	\$3.30	\$8,250.00	\$0.50	\$1,250.00					\$6.00	\$15,000.00
<b>ROAD, DRIVEWAY AND CREEK CROSSINGS</b>													
a.	100	LF	Bore and Jack 24-Inch Steel Casing	\$920.00	\$92,000.00	\$470.00	\$47,000.00	No Bid		No Bid		\$450.00	\$45,000.00
b.	100	LF	Bore and Jack 18-Inch Steel Casing	\$870.00	\$87,000.00	\$350.00	\$35,000.00					\$350.00	\$35,000.00

No.	Est. Qty.	Units	Description	Anderson Grading, LLC		Legacy Water Group, LLC		RDJE, Inc		Robert's Hauling & Pipeline		Site Engineering	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
c.	50	LF	Open Cut 24-Inch Steel Casing	\$210.00	\$10,500.00	\$245.00	\$12,250.00					\$175.00	\$8,750.00
d.	50	LF	Open Cut 18-Inch Steel Casing	\$175.00	\$8,750.00	\$235.00	\$11,750.00	No Bid		No Bid		\$145.00	\$7,250.00
e.	100	LF	Open Cut 16-Inch Steel Casing	\$142.00	\$14,200.00	\$195.00	\$19,500.00					\$135.00	\$13,500.00
<b>REMOVE AND REPLACE PAVEMENT AND DRIVEWAYS</b>													
a.	200	SY	Remove and Replace Asphalt Pavement	\$230.00	\$46,000.00	\$120.00	\$24,000.00	No Bid		No Bid		\$100.00	\$20,000.00
<b>RE-MOBILIZATION FOR ADDITIONAL TASKS</b>													
a.	2	EA	Task Value < \$10,000.00	\$6,400.00	\$12,800.00	\$5,000.00	\$10,000.00					\$8,000.00	\$16,000.00
b.	2	EA	Task Value \$10,000.00 < \$50,000.00	\$6,400.00	\$12,800.00	\$5,000.00	\$10,000.00	No Bid		No Bid		\$8,000.00	\$16,000.00
c.	2	EA	Task Value \$50,000.00 < \$100,000.00	\$6,400.00	\$12,800.00	\$5,000.00	\$10,000.00					\$8,000.00	\$16,000.00
d.	2	EA	Task Value >\$100,000.00	\$6,400.00	\$12,800.00	\$5,000.00	\$10,000.00					\$18,000.00	\$36,000.00
<b>UNIT MULTIPLIER FOR DEGREE OF COMPLEXITY FOR ADDITIONAL TASKS</b>													
a.		N/A	Rural Road Right-of-Way		1		1.00						\$1.00
b.		N/A	Residential Subdivision Replacement		1.75		1.25	No Bid		No Bid			\$1.10
c.		N/A	Urban / Commercial Corridor		2		1.50						\$1.30
<b>ALLOWANCES</b>													
a.	250	CY	Trench Rock Excavation and Removal	\$75.00	\$18,750.00	\$75.00	\$18,750.00					\$75.00	\$18,750.00
b.			Construction Surveying		\$1,000.00		\$1,000.00						\$1,000.00
c.			Soils & Concrete Testing by Geotech		\$3,000.00		\$3,000.00	No Bid		No Bid			\$3,000.00
d.			Blasting Monitoring		\$3,000.00		\$3,000.00						\$3,000.00
e.			NPDES Discharge Compliance Monitoring		\$1,000.00		\$1,000.00						\$1,000.00
<b>Division 2 Total</b>					<b>\$2,161,625.00</b>		<b>\$1,575,242.50</b>	<b>No Bid</b>		<b>No Bid</b>			<b>\$2,418,425.04</b>

Division 3

				Anderson Grading, LLC		Legacy Water Group, LLC		RDJE, Inc		Robert's Hauling & Pipeline Construction, Inc		Site Engineering	
No.	Est. Qty.	Units	Description	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
<b>SOIL EROSION &amp; SEDIMENT CONTROL</b>													
a.	100	LF	Type A Silt Fence	\$3.00	\$300.00	\$1.60	\$160.00	No Bid	No Bid	No Bid			
b.	100	LF	Type C Silt Fence	\$5.00	\$500.00	\$3.00	\$300.00						
c.	5	EA	Stone Check Dams	\$340.00	\$1,700.00	\$735.00	\$3,675.00						
d.	25	EA	Filter Sock Check Dams	\$220.00	\$5,500.00	\$165.00	\$4,125.00						
e.	15	EA	Hay Bale Check Dams	\$360.00	\$5,400.00	\$125.00	\$1,875.00						
f.	25	SY	Rip Rap	\$43.00	\$1,075.00	\$65.00	\$1,625.00						
g.	2,000	SF	Temporary Grassing	\$0.10	\$200.00	\$0.02	\$40.00						
h.	2,000	SF	Permanent Grassing	\$0.10	\$200.00	\$0.10	\$200.00						
i.	500	SF	Permanent Sodding	\$2.50	\$1,250.00	\$1.25	\$625.00						
j.	2,000	SF	Mulching	\$0.10	\$200.00	\$0.03	\$60.00						
<b>WATER MAINS AND ACCESSORIES</b>													
a.	500	LF	6-Inch Ductile Iron Water Main	\$165.00	\$82,500.00	\$53.00	\$26,500.00	No Bid	No Bid	No Bid			
b.	250	LF	4-Inch Ductile Iron Water Main	\$171.00	\$42,750.00	\$58.00	\$14,500.00						
c.	100	LF	3-Inch Ductile Iron Water Main	\$197.00	\$19,700.00	\$82.00	\$8,200.00						
d.	100	LF	2-Inch Copper Tubing (CT)	\$130.00	\$13,000.00	\$43.00	\$4,300.00						
e.	250	LF	2-Inch HDPE Tubing Water Line	\$115.00	\$28,750.00	\$30.00	\$7,500.00						
f.	250	LF	1-Inch CT Water Service Line	\$75.00	\$18,750.00	\$63.00	\$15,750.00						
g.	250	LF	3/4-Inch CT Water Service Line	\$70.00	\$17,500.00	\$58.00	\$14,500.00						
h.	4	TN	Ductile Iron Fittings	\$14,300.00	\$57,200.00	\$22,000.00	\$88,000.00						
i.	3	EA	6-Inch Gate Valves w/ VB	\$1,705.00	\$5,115.00	\$1,910.00	\$5,730.00						
j.	2	EA	4-Inch Gate Valves w/ VB	\$1,505.00	\$3,010.00	\$1,735.00	\$3,470.00						
k.	2	EA	3-Inch Gate Valves w/ VB	\$1,460.00	\$2,920.00	\$1,540.00	\$3,080.00						
l.	5	EA	2-Inch Gate Valves w/ VB	\$1,295.00	\$6,475.00	\$1,290.00	\$6,450.00						
m.	7	EA	Fire Hydrants	\$4,120.00	\$28,840.00	\$5,000.00	\$35,000.00						
n.	5	EA	Concrete Thrust Collars	\$890.00	\$4,450.00	\$2,835.00	\$14,175.00						
o.	50	LF	Polyethylene Encasement for Lines	\$4.00	\$200.00	\$4.50	\$225.00						
p.	20	EA	6-Inch Restrained Joint Gaskets	\$255.00	\$5,100.00	\$90.00	\$1,800.00						
q.	5	EA	Conn to Ex. Water w/ Solid Sleeve	\$4,330.00	\$21,650.00	\$4,400.00	\$22,000.00						
r.	2	EA	8 X 6-Inch TS&V w/ VB	\$9,430.00	\$18,860.00	\$7,500.00	\$15,000.00						
s.	2	EA	6 X 6-Inch TS&V w/ VB	\$9,195.00	\$18,390.00	\$7,300.00	\$14,600.00						
t.	5	EA	Adjust VB to Finished Road Grade	\$1,440.00	\$7,200.00	\$750.00	\$3,750.00						
u.	5	EA	Remove and Replace Existing VB	\$1,440.00	\$7,200.00	\$1,000.00	\$5,000.00						
v.	5	EA	Replace Ex. Residential Meter Box	\$695.00	\$3,475.00	\$365.00	\$1,825.00						
w.	5	EA	Replace Ex. 2-Inch Comm. MB	\$1,440.00	\$7,200.00	\$750.00	\$3,750.00						
x.	200	LF	Bore 2-Inch PVC Casing for LSS	\$42.00	\$8,400.00	\$45.00	\$9,000.00						
<b>SEWERS AND ACCESSORIES</b>													
a.	400	LF	6-Inch DIP or PVC Sewer: 0 to 8-Foot Cut	\$187.00	\$74,800.00	\$69.00	\$27,600.00	No Bid	No Bid	No Bid			
b.	400	LF	8-Inch DIP or PVC Sewer: 0 to 8-Foot Cut	\$198.00	\$79,200.00	\$67.00	\$26,800.00						
c.	10	EA	Replace Existing Sewer Clean-Out	\$4,260.00	\$42,600.00	\$1,050.00	\$10,500.00						
d.	2	EA	4-Foot Dia. Manhole Base	\$5,780.00	\$11,560.00	\$5,100.00	\$10,200.00						
e.	20	VF	4-Foot Dia. Manhole Riser	\$660.00	\$13,200.00	\$425.00	\$8,500.00						
f.	50	EA	Adjust Ex. Frame & Cover to Grade	\$1,790.00	\$89,500.00	\$630.00	\$31,500.00						
g.	10	EA	Replace Ex. F&C with Composite	\$2,380.00	\$23,800.00	\$1,450.00	\$14,500.00						
h.	10	EA	Replace Ex. F&C with Water Tight	\$2,195.00	\$21,950.00	\$1,500.00	\$15,000.00						
i.	5	EA	Construct MH Invert	\$1,195.00	\$5,975.00	\$700.00	\$3,500.00						

				Anderson Grading, LLC		Legacy Water Group, LLC		RDJE, Inc		Robert's Hauling & Pipeline Construction, Inc		Site Engineering	
No.	Est. Qty.	Units	Description	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
j.	2	EA	Conn to Ex. MH w/ Boot, Form New Inv.	\$4,840.00	\$9,680.00	\$7,500.00	\$15,000.00	No Bid		No Bid		No Bid	
k.	400	LF	Clean Up and Test 8-Inch Gravity Sewer	\$3.20	\$1,280.00	\$1.00	\$400.00						
l.	400	LF	Clean Up and Test 6-Inch Gravity Sewer	\$3.20	\$1,280.00	\$1.00	\$400.00						
m.	400	LF	CCTV Gravity Sewer: (6 to 12-In Dia.)	\$3.50	\$1,400.00	\$4.00	\$1,600.00						
n.	250	LF	Jet Clean Gravity Sewer: 6 to 12-In Dia.	\$23.00	\$5,750.00	\$7.00	\$1,750.00						
o.	5	EA	Manhole Repair – Injection Grouting	\$1,100.00	\$5,500.00	\$3,100.00	\$15,500.00						

ROAD AND DRIVEWAY CROSSINGS

a.	150	LF	Bore and Jack 16-Inch Steel Casing	\$860.00	\$129,000.00	\$350.00	\$52,500.00	No Bid		No Bid		No Bid	
b.	150	LF	Open Cut 16-Inch Steel Casing	\$142.00	\$21,300.00	\$215.00	\$32,250.00						
c.	200	SY	Remove and Replace Asphalt D/W	\$85.00	\$17,000.00	\$85.00	\$17,000.00						
d.	10	SY	Remove and Replace Gravel D/W	\$30.00	\$300.00	\$65.00	\$650.00						
e.	200	SY	Remove and Replace Concrete D/W	\$130.00	\$26,000.00	\$90.00	\$18,000.00						

ALLOWANCES

a.	250	CY	Trench Rock Excavation and Removal	\$75.00	\$18,750.00	\$75.00	\$18,750.00	No Bid		No Bid		No Bid	
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**Division 3 Total**

**\$1,044,785.00**

**\$658,690.00**

**No Bid**

**No Bid**

**No Bid**