

Detailed Scope of Work

To: Tim Dugan
Centennial Contractors Enterprises, Inc.
3200 Cobb Galleria Parkway
Atlanta, GA 30339
770-778-6677

From: Paul Hanebuth
City of Avondale Estates
21 North Avondale Plaza
Avondale Estates, GA 30002
404-294-5400

Date Printed: February 11, 2022

Work Order Number: 100434.00

Work Order Title: Avondale Estates - Infrastructure Improvements and Integrated Trails

Brief Scope: Infrastructure Improvements and Integrated Trails

Preliminary

Revised

Final

The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work.

Please see proposal and scope of work for Project #100434 - Avondale Estates - Infrastructure Improvements and Integrated Trails

Contractor

Date

Owner

Date

Contractor's Price Proposal - Summary

Date: February 11, 2022
IQC Master Contract #: GA-B06-040820-CCE
Work Order Number: 100434.00
Owner PO #:
Work Order Title: Avondale Estates - Infrastructure Improvements and Integrated Trails
Contractor: Centennial Contractors Enterprises, Inc.
Proposal Name: Avondale Estates - North Woods Park V2
Proposal Value: \$208,326.92

Erosion	\$40,450.52
Gabion Wall	\$10,480.20
Gabion Walls	\$14,433.79
Grading	\$47,884.96
Surveying	\$5,329.56
Trail	\$32,894.96
Tree Removal	\$56,852.94
Proposal Total	\$208,326.92

This total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding.

The Percentage of NPP on this Proposal: %

Contractor's Price Proposal - Detail

Date: February 11, 2022
IQC Master Contract #: GA-B06-040820-CCE
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Sect.	Item	Modifier	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		
Erosion					
1	31 05 16 00 0021		CY	3" To 7" Surge Stone Graded Aggregate Fill	\$2,421.31
				Installation Quantity 44.50 x Unit Price 45.72 x Factor 1.1901 = Total 2,421.31 stone for construction exit 800sfx6"=400cf of 44.5 cy	
2	31 25 14 26 0011		LF	3' High Silt Fence with Stakes at 10' On Center	\$1,853.88
				Installation Quantity 1,675.00 x Unit Price 0.93 x Factor 1.1901 = Total 1,853.88 tree save	
3	31 25 14 26 0015		LF	41" Total Height Super Silt Fence, 8" Below Ground, Galvanized Chain Link, With 2-1/2" Posts, 10' On Center With Geotextile Fabric Attached	\$33,165.11
				Installation Quantity 3,550.00 x Unit Price 7.85 x Factor 1.1901 = Total 33,165.11 silt fence	
4	31 25 14 26 0017		LF	Removal Of Silt Fence And Stakes	\$1,989.85
				Installation Quantity 5,225.00 x Unit Price 0.32 x Factor 1.1901 = Total 1,989.85 removal of silt fence and tree save 3550' silt fence and 1675' tree save	
5	31 25 14 26 0025		LF	20" Sediment Log	\$652.13
				Installation Quantity 76.00 x Unit Price 7.21 x Factor 1.1901 = Total 652.13	
6	31 25 14 26 0032		EA	2' x 4' x 3' Inlet Protection Sediment Bag	\$368.24
				Installation Quantity 6.00 x Unit Price 51.57 x Factor 1.1901 = Total 368.24	
Subtotal for Erosion					\$40,450.52
Gabion Wall					
7	31 05 16 00 0006		CY	#6 Stone Aggregate Fill (3/8" To 3/4" Clean)	\$248.95
				Installation Quantity 4.80 x Unit Price 43.58 x Factor 1.1901 = Total 248.95 under wall 2'x130'x6"=130cf or 4.8cy	
8	31 05 16 00 0006 0053		MOD	For Up To 8, Add	\$49.81
				Installation Quantity 4.80 x Unit Price 8.72 x Factor 1.1901 = Total 49.81	

Contractor's Price Proposal - Detail Continues..

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Proposal Value: \$208,326.92

Sect.	Item	Modifier	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		
Gabion Wall					
9	31 05 16 00 0008		CY	#57 Stone Aggregate Fill (3/8" To 1")	\$321.83
				Installation	
				Quantity	Unit Price
				6.00 x	45.07 x
				Factor	Total
				1.1901 =	321.83
				behind wall 2.5'x130'x6"=162.5cf or 6cy	
10	31 05 16 00 0008 0053		MOD	For Up To 8, Add	\$64.34
				Installation	
				Quantity	Unit Price
				6.00 x	9.01 x
				Factor	Total
				1.1901 =	64.34
11	31 05 16 00 0021		CY	3" To 7" Surge Stone Graded Aggregate Fill	\$1,577.93
				Installation	
				Quantity	Unit Price
				29.00 x	45.72 x
				Factor	Total
				1.1901 =	1,577.93
				fill for gabion walls 2'x3'x130'=780cf or 29cy	
12	31 23 16 13 0007		CY	Excavation For Trenching By Hand In SoilIncludes stockpiling excess materials and trimming sides and bottom of trench.	\$1,651.10
				Installation	
				Quantity	Unit Price
				29.00 x	47.84 x
				Factor	Total
				1.1901 =	1,651.10
				footer for wall 130'x2'x3'=780cf 29cy	
13	31 23 16 36 0032		CY	Spread Excess Or Imported Material On Site By Hand	\$1,883.73
				Installation	
				Quantity	Unit Price
				81.80 x	19.35 x
				Factor	Total
				1.1901 =	1,883.73
				hand placement of stone gabion walls and tree root zone. walls 29cy in basket, 10.8cy stone under and behind basket. 42cy tree root zone	
14	31 32 19 13 0004		SY	8.7 Ounce/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500)	\$196.31
				Installation	
				Quantity	Unit Price
				50.60 x	3.26 x
				Factor	Total
				1.1901 =	196.31
				fabric behind wall 3.5'x130'=455sf or 50.6sy	
15	31 32 19 13 0004 0087		MOD	For Up To 50, Add	\$42.15
				Installation	
				Quantity	Unit Price
				50.60 x	0.70 x
				Factor	Total
				1.1901 =	42.15
16	31 36 13 00 0007		SY	24" Deep Stone Filled Gabion Slope Protection	\$3,769.50
				Installation	
				Quantity	Unit Price
				29.00 x	109.22 x
				Factor	Total
				1.1901 =	3,769.50
				wall top 2'x130"= 260sf or 29sy	
17	33 41 16 13 0044		LF	4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	\$674.55
				Installation	
				Quantity	Unit Price
				130.00 x	4.36 x
				Factor	Total
				1.1901 =	674.55
				pipe behind wall	

Subtotal for Gabion Wall **\$10,480.20**

Gabion Walls

Contractor's Price Proposal - Detail Continues..

Work Order Number: 100434.00
Work Order Title: Avondale Estates - Infrastructure Improvements and Integrated Trails

Proposal Name: Avondale Estates - North Woods Park V2
Proposal Value: \$208,326.92

Sect.	Item	Modifier	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		
Gabion Walls					
18	01 22 23 00	1009	WK	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	\$14,433.79
				Installation	
				Quantity	Unit Price
				3.00 x	4,042.74 x
				Factor	Total
				1.1901 =	14,433.79
				move gabion baskets and other materials	
Subtotal for Gabion Walls					\$14,433.79
Grading					
19	01 22 23 00	0294	WK	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	\$4,488.05
				Installation	
				Quantity	Unit Price
				1.00 x	3,771.15 x
				Factor	Total
				1.1901 =	4,488.05
				relocating materials	
20	01 71 13 00	0002	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed TruckIncludes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	\$674.11
				Installation	
				Quantity	Unit Price
				3.00 x	188.81 x
				Factor	Total
				1.1901 =	674.11
21	01 74 19 00	0015	EA	30 CY Dumpster (4 Ton) "Construction Debris"Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	\$10,864.83
				Installation	
				Quantity	Unit Price
				22.00 x	414.97 x
				Factor	Total
				1.1901 =	10,864.83
				Removal waste from 61 stumps and waste materials	
22	31 23 16 33	0002	CY	Bulk Excavation by Dozer in Soil	\$19,434.33
				Installation	
				Quantity	Unit Price
				2,875.00 x	5.68 x
				Factor	Total
				1.1901 =	19,434.33
				Grading	
23	31 23 16 33	0002 0006	MOD	For >1,000, Deduct	-\$2,908.31
				Installation	
				Quantity	Unit Price
				2,875.00 x	-0.85 x
				Factor	Total
				1.1901 =	-2,908.31
24	31 24 13 00	0007	SY	Shape Embankment/Slope By Hand Up To 1 On 4 Slope	\$2,457.97
				Installation	
				Quantity	Unit Price
				843.00 x	2.45 x
				Factor	Total
				1.1901 =	2,457.97
				292'Lx14'W=4,088 or 454sy hand work. work on side of the trail by hand 292'xL12'W = 3,504sf or 389sy	
25	31 24 13 00	0013	CY	>1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	\$11,117.06
				Installation	
				Quantity	Unit Price
				998.00 x	9.36 x
				Factor	Total
				1.1901 =	11,117.06
				relocating soil	

Contractor's Price Proposal - Detail Continues..

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Proposal Name: Avondale Estates - North Woods Park V2
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Sect.	Item	Modifier	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		

Grading

26	31 24 13 00 0018		SY	Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	\$589.15
				Installation	
				Quantity	Unit Price
				884.00 x	0.56 x
					Factor =
					Total
					589.15
				568' L x 14' W = 7,952 sf or 884 sy for trail. width includes trail and area beside trail	
27	31 24 13 00 0022		SY	Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift	\$1,167.77
				Installation	
				Quantity	Unit Price
				2,652.00 x	0.37 x
					Factor =
					Total
					1,167.77
				compact soil 6 inch lifts average three lifts for grading 884x3=2652	

Subtotal for Grading **\$47,884.96**

Surveying

28	01 22 20 00 0045		HR	Senior Surveyor (Party Chief)	\$2,438.09
				Installation	
				Quantity	Unit Price
				48.00 x	42.68 x
					Factor =
					Total
					2,438.09
				Needed to establish elevations. 1 day in office and 5 days in field	
29	01 22 20 00 0046		HR	Surveyor (Instrument person)	\$1,691.85
				Installation	
				Quantity	Unit Price
				40.00 x	35.54 x
					Factor =
					Total
					1,691.85
				5 days field work	
30	01 22 20 00 0047		HR	Surveyor (Rod Person)	\$1,199.62
				Installation	
				Quantity	Unit Price
				40.00 x	25.20 x
					Factor =
					Total
					1,199.62
				5 days field work	

Subtotal for Surveying **\$5,329.56**

Trail

31	31 05 16 00 0008		CY	#57 Stone Aggregate Fill (3/8" To 1")	\$2,252.79
				Installation	
				Quantity	Unit Price
				42.00 x	45.07 x
					Factor =
					Total
					2,252.79
				stone for trail root area	
32	31 05 16 00 0015		CY	#10 Stone Aggregate Fill (1/16" To 3/16")	\$2,245.72
				Installation	
				Quantity	Unit Price
				42.30 x	44.61 x
					Factor =
					Total
					2,245.72
				slate for trail 4560sf x 3" = 1140cf or 42.3cy	
33	31 05 16 00 0025		CY	Class 5 Granite Aggregate Fill (#200 to 1-1/2")	\$2,452.13
				Installation	
				Quantity	Unit Price
				56.25 x	36.63 x
					Factor =
					Total
					2,452.13
				base stone on trail 4560sf x 4" = 1519cf or 56.25cy	

Contractor's Price Proposal - Detail Continues..

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Proposal Value: \$208,326.92

Sect.	Item	Modifier	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		
Trail					
34	31 05 16 00 0025	0055	MOD	For >48 To 64, Deduct	-\$160.66
				Installation	
				Quantity	
				56.25 x	
				Unit Price	
				-2.40 x	
				Factor	
				1.1901 =	
				Total	-160.66
35	31 23 16 13 0014		CY	Compaction of Fill or Subbase for Trenches by Hand	\$1,911.00
				Installation	
				Quantity	
				107.05 x	
				Unit Price	
				15.00 x	
				Factor	
				1.1901 =	
				Total	1,911.00
				compaction for stone for trail with hand tamp. hand tamp of stone under and behind gabion wall. 42.3cy+56.25cy, 2.5cy, and 6 cy = 107.05cy	
36	31 32 19 13 0004		SY	8.7 Ounce/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500)	\$2,312.32
				Installation	
				Quantity	
				596.00 x	
				Unit Price	
				3.26 x	
				Factor	
				1.1901 =	
				Total	2,312.32
				fabric under trail 4560sf fabric construction exit 20'x40'=800'	
37	31 32 19 13 0004	0090	MOD	For >250 To 500, Add	\$0.00
				Installation	
				Quantity	
				0.00 x	
				Unit Price	
				0.17 x	
				Factor	
				1.1901 =	
				Total	0.00
38	32 94 13 00 0024		LF	1/4" x 5" Powder Coated Steel Landscape Edging	\$21,881.65
				Installation	
				Quantity	
				1,880.00 x	
				Unit Price	
				9.78 x	
				Factor	
				1.1901 =	
				Total	21,881.65
Subtotal for Trail					\$32,894.96
Tree Removal					
39	31 13 13 00 0002		EA	Up To 6" D.B.H. (Diameter At Breast Height) Tree RemovalIncludes cutting up tree, chipping and loading.	\$4,159.04
				Installation	
				Quantity	
				11.00 x	
				Unit Price	
				317.70 x	
				Factor	
				1.1901 =	
				Total	4,159.04
40	31 13 13 00 0003		EA	>6" To 12" D.B.H. (Diameter At Breast Height) Tree RemovalIncludes cutting up tree, chipping and loading.	\$5,104.28
				Installation	
				Quantity	
				9.00 x	
				Unit Price	
				476.55 x	
				Factor	
				1.1901 =	
				Total	5,104.28
41	31 13 13 00 0004		EA	>12" To 24" D.B.H. (Diameter At Breast Height) Tree RemovalIncludes cutting up tree, chipping and loading.	\$24,954.25
				Installation	
				Quantity	
				33.00 x	
				Unit Price	
				635.40 x	
				Factor	
				1.1901 =	
				Total	24,954.25
42	31 13 13 00 0005		EA	>24" To 36" D.B.H. (Diameter At Breast Height) Tree RemovalIncludes cutting up tree, chipping and loading.	\$9,074.18
				Installation	
				Quantity	
				8.00 x	
				Unit Price	
				953.09 x	
				Factor	
				1.1901 =	
				Total	9,074.18

Contractor's Price Proposal - Detail Continues..

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Sect.	Item	Modifier	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		
Tree Removal					
43	31 13 13 00 0009		EA	Up To 6" Diameter Stump RemovalIncludes excavation necessary to remove stump and loading.	\$1,765.87
				Installation	
				Quantity	Unit Price
				20.00 x	74.19 x
					Factor =
					Total
					1,765.87
44	31 13 13 00 0010		EA	>6" To 12" Diameter Stump RemovalIncludes excavation necessary to remove stump and loading.	\$1,861.55
				Installation	
				Quantity	Unit Price
				11.00 x	142.20 x
					Factor =
					Total
					1,861.55
45	31 13 13 00 0011		EA	>12" To 24" Diameter Stump RemovalIncludes excavation necessary to remove stump and loading.	\$7,284.80
				Installation	
				Quantity	Unit Price
				33.00 x	185.49 x
					Factor =
					Total
					7,284.80
46	31 13 13 00 0012		EA	>24" To 36" Diameter Stump RemovalIncludes excavation necessary to remove stump and loading.	\$2,648.97
				Installation	
				Quantity	Unit Price
				8.00 x	278.23 x
					Factor =
					Total
					2,648.97

Subtotal for Tree Removal **\$56,852.94**

Proposal Total **\$208,326.92**

This total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding.

The Percentage of NPP on this Proposal: %

Client - City of Avondale Estates

Detailed Scope of Work

Print Date: February 11, 2022
Work Order Number: 100434.00
Work Order Title: Avondale Estates - Infrastructure Improvements and Integrated Trails
Contractor: GA-B06-040820-CCE - Centennial Contractors Enterprises, Inc.
Brief Scope: Infrastructure Improvements and Integrated Trails

To: Tim Dugan
Centennial Contractors Enterprises, Inc.
3200 Cobb Galleria Parkway
Atlanta, GA 30339
770-778-6677

From: Paul Hanebuth
City of Avondale Estates
21 North Avondale Plaza
Avondale Estates, GA 30002
404-294-5400

The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work.

Detailed Scope:

Please see proposal and scope of work for Project #100434 - Avondale Estates - Infrastructure Improvements and Integrated Trails

Owner _____ Date _____

Contractor _____ **Date** _____

SCOPE OF WORK
Avondale Estates North Woods at Lake Avondale
100 Berkeley Road
Avondale Estates, GA 30002

February 4, 2022

SUMMARY OF SCOPE:

This Detailed Scope of Work (SOW) identifies specific work items associated with North Woods at Lake Avondale project.

Referenced Drawings:

Discipline	Drawing No.	Drawing Title	Revision	Drawing Date	Set Name
Civil	C-0.1	ISSUED FOR CONSTRUCTION	0	9/3/2021	Bid Set
Civil	C-1.0	EXISTING CONDITIONS	0	9/3/2021	Bid Set
Civil	C-1.1	EXISTING CONDITIONS	0	9/3/2021	Bid Set
Civil	C-2.0	DEMOLITION PLAN	0	9/3/2021	Bid Set
Civil	C-2.1	DEMOLITION PLAN	0	9/3/2021	Bid Set
Civil	C-3.0	SITE PLAN	0	9/3/2021	Bid Set
Civil	C-3.1	SITE PLAN	0	9/3/2021	Bid Set
Civil	C-4.0	GRADING & DRAINAGE PLAN	0	9/3/2021	Bid Set
Civil	C-4.1	GRADING & DRAINAGE PLAN	0	9/3/2021	Bid Set
Civil	C-6.0	PROFILES	0	9/3/2021	Bid Set
Civil	C-6.1	SWALE SECTIONS	0	9/3/2021	Bid Set
Civil	C-7.0	EROSION & SEDIMENT CONTROL NOTES	0	9/3/2021	Bid Set
Civil	C-7.1	EROSION & SEDIMENT CONTROL NOTES	0	9/3/2021	Bid Set
Civil	C-7.2	EROSION & SEDIMENT CONTROL PLAN - PHASE I	0	9/3/2021	Bid Set
Civil	C-7.3	EROSION & SEDIMENT CONTROL PLAN - PHASE I	0	9/3/2021	Bid Set
Civil	C-7.4	EROSION & SEDIMENT CONTROL PLAN - PHASE II	0	9/3/2021	Bid Set
Civil	C-7.5	EROSION & SEDIMENT CONTROL PLAN - PHASE II	0	9/3/2021	Bid Set
Civil	C-7.6	EROSION & SEDIMENT CONTROL PLAN - PHASE III	0	9/3/2021	Bid Set
Civil	C-7.7	EROSION & SEDIMENT CONTROL PLAN - PHASE III	0	9/3/2021	Bid Set
Civil	C-8.0	EROSION & SEDIMENT CONTROL DETAILS	0	9/3/2021	Bid Set
Civil	C-8.1	EROSION & SEDIMENT CONTROL DETAILS	0	9/3/2021	Bid Set

Civil	C-8.2	EROSION & SEDIMENT CONTROL DETAILS	0	9/3/2021	Bid Set
Civil	C-8.3	EROSION & SEDIMENT CONTROL DETAILS	0	9/3/2021	Bid Set
Civil	C-8.4	EROSION & SEDIMENT CONTROL DETAILS	0	9/3/2021	Bid Set
Civil	C-8.5	EROSION & SEDIMENT CONTROL DETAILS	0	9/3/2021	Bid Set
Civil	C-8.6	EROSION & SEDIMENT CONTROL DETAILS	0	9/3/2021	Bid Set
Civil	C-9.0	CONSTRUCTION DETAILS	0	9/3/2021	Bid Set
Civil	C-9.1	CONSTRUCTION DETAILS	0	9/3/2021	Bid Set
Civil	C-9.2	CONSTRUCTION DETAILS	0	9/3/2021	Bid Set
Cover Page	0	PROJECT NO. 0870-0030	0	9/3/2021	Bid Set
Landscape	LD200	TREE PRESERVATION AND REPLACEMENT PLAN	0	9/3/2021	Bid Set
Landscape	LD201	TREE REPLACEMENT PLAN	0	9/3/2021	Bid Set
Landscape	LH501	HARDSCAPE DETAILS	0	9/3/2021	Bid Set
Landscape	LH502	RAIN GARDEN DETAILS	0	9/3/2021	Bid Set
Landscape	LH503	OVERLOOK CONSTRUCTION DETAILS	0	9/3/2021	Bid Set
Landscape	LH504	OVERLOOK CONSTRUCTION DETAILS	0	9/3/2021	Bid Set
Landscape	LP100	PLANTING PLAN	0	9/3/2021	Bid Set
Landscape	LP101	PLANTING PLAN ENLARGEMENTS	0	9/3/2021	Bid Set
Landscape	LP102	PLANTING PLAN ENLARGEMENTS	0	9/3/2021	Bid Set
Landscape	LP501	PLANTING DETAILS	0	9/3/2021	Bid Set
Landscape	LP502	PLANTING DETAILS	0	9/3/2021	Bid Set
Landscape	LP503	PLANTING NOTES	0	9/3/2021	Bid Set
Landscape	LV100	TREE SURVEY	0	9/3/2021	Bid Set
Landscape	LV101	TREE SURVEY DATA	0	9/3/2021	Bid Set

DETAIL SCOPE OF WORK:

The contractor shall provide all material, labor, supervision, and equipment to accomplish the work as described in the referenced drawings and clarified below. Where plans and/or notes specify “as-needed” quantities, this scope clarifies what is included in this proposal. Work area included runs from existing concrete sidewalk located North on Berkeley Road tying into the existing slate trail South along Berkeley Road. Any items not referenced in this scope are not included.

Surveying Services:

1. Boundaries, elevations for grading, and erosion control layout

Tree Removal:

1. Removal of 11 trees and stumps under 6" as specified plan page C-2.0 and C-2.1
2. Removal of 9 trees and stumps between >6" to 12" as specified plan page C-2.0 and C-2.1
3. Removal of 33 trees and stumps between >12" to 24" as specified plan page C-2.0 and C-2.1
4. Removal stumps of 8 trees and stumps between >24" to 36" as specified plan page C-2.0 and C-2.1

Erosion and Sediment Control:

1. Install/remove (5225) LF of Silt Fence Type C
2. Install/remove (76) LF Compose Filter Sock
3. Install/remove (6) EA Sediment Bags Mulch Filter Bream
4. Install/remove (1675) LF of Tree Protection
5. Install/remove Construction Exit

Grading:

1. Rough grade new trail along Berkeley Road from existing concrete sidewalk to existing slate walkway.
2. Fine grade new trail along Berkeley Road from existing concrete sidewalk to existing slate walkway.
3. Grade for Gabion Wall located on page C-3.0 and C-3.1
4. Soil for fill to be from site.

Gabion Wall:

1. Install lower 36"x24" Gabion Wall per Plan Page LH501 Detail 7
2. Install 4" perforated drainpipe, filter fabric, and #57 stone for Gabion Walls per Plan Page LH501 Detail 7

Trail Installation:

1. Install 6ft wide slate trail using existing concrete header curb as one edge and 6" steel edging material as the other. Install Plan Page LH501 Detail 1, Detail 2, and Detail 3.
2. Trail installation includes geotextile fabric, 4" min of #57 stone, and 3" min of compacted slate trail mix with stabilizer

DETAILS THAT APPLY TO ALL WORK AREAS

1. Maintain clean work areas at all times. Remove and dispose of all demolished materials and construction debris per infection control guidelines. Site must be cleaned every day at the completion of work.
2. Contractor shall obtain approvals in advance for all lay down and storage areas.
3. CCE will work with Avondale Estates to coordinate parking/staging at project location.
4. CCE has excluded all state, local, and county permits
5. All work to be completed during normal working hours
6. The site will not be occupied during the course of the work.
7. Access to site: Normal work hours
8. Contractors shall review all sections of scope of work to ensure that all requirements for each work package are included.
9. Contractor shall verify all new and existing conditions along with the dimensions at job site prior to the start of construction and during construction as applicable to their specific work packages. All measurements and quantities supplied in this scope of work are approximate in nature and are supplied as a convenience for the contractor.
10. Contractor shall obtain approvals in advance for all lay down and storage areas.
11. Contractors shall provide all necessary trench boxes or shoring as necessary to perform the required features of work. It is the responsibility of the Contractor utilizing the trench boxes or shoring to perform daily inspections

on the trench boxes or shoring with a competent crew member and report written findings to Centennial's Project Superintendent.

12. Contractors shall provide adequate advanced notice to Centennial's Project Superintendent in order to coordinate and schedule inspections.
13. Contractors shall assist Centennial with development of detailed project construction (procurement, construction, closeout) schedule in order to satisfy the project durations goals; provide projected/estimated submittal developed durations, material procurement durations, and on-site work durations in order to develop and coordinate schedule activities.
14. Prior to any shutdown of any system (electrical, mechanical, etc.), Contractor shall supply not less than five (5) working days' notice to the Owner. No shutdown of any system shall occur until the Contractor has received permission from the Owner in writing.
15. The Contractor shall perform all work, make all deliveries, and have access to work areas between normal business hours (Monday through Friday: 7:00 am to 5:00 pm) and, upon written permission of the Owner, may make deliveries and have access to work areas at any hour of any day, but shall bear without any contribution from the Owner, any extra expense and responsibility for doing so, including, without limitation, its own overtime expense.
16. Contractor shall coordinate inspections as required.
17. Final clean up and disposal: Remove debris, rubbish, and waste material from the property. Upon completion of work, all construction areas shall be left clean and free from debris.
18. Parking will be made available by the Owner. Centennial will coordinate all parking and deliveries with the staff prior to beginning work.
19. The Contractor shall keep at the site one copy of all drawings and specifications in good order with all addenda and change orders noted thereon and available to the owner & Architect and to his representative(s).
20. The areas under construction will not be occupied during all construction.

CLARIFICATIONS AND EXCLUSIONS

1. Centennial Contractors specifically excludes any work not stated in the above scope of work. No additional work shall be performed without written permission by Owner and an official approved Change Order.
2. Centennial excludes testing and remediation of all hazardous material.
3. Moving any utilities or equipment except for lighting protection system is not included in the Scope of Work.
4. Permit costs are not included in the Scope of Work.
5. Overtime, after hours or weekend work is not included in the Scope of Work.
6. Design drawings are not included in the Scope of Work.
7. Davis-Bacon wage rates are included in the Scope of Work.

SAFETY

1. All work shall be performed in accordance with OSHA and EM 385-1-1 Safety Standards.
 2. Contractors must maintain 100% hard hats and eye protection at all times.
 3. Contractor must maintain all SDS sheets on site.
 4. Contractors shall ensure that their applicable work areas are cleaned on a daily basis to ensure a safe and clean work site.
 5. Contractors shall develop a Fall Protection Plan for any work over 6' above finish floor/grade and/or near openings and/or on the roof structure. These Fall Protection Plans shall be reviewed and understood by each crew member working on the project site. Bungee-type lanyards and rope grab systems are prohibited on Centennial's projects without written approval from the Centennial Senior Site Representative (SSR). Retractable-type lanyards shall be utilized.
 6. Contractors shall provide all necessary barricades and other forms of protection as required to protect personnel, other tenants, and the general public from injury due to work activities.
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SUBMITTALS

1. Slate Material
 2. Steel Edging
 3. Gabion Baskets
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PERMITTING

At the time of issuance of a Purchase Order for this Work, it is understood that permits are not required for this Work. If this changes, the Contractor will be responsible for obtaining such applicable permits and the Owner will be responsible for compensating the Contractor for permit fees and any design necessary to obtain such permits or related approvals as described in the eZIQC master contract documents (i.e. permit fees are dollar for dollar reimbursable and professional design and engineering fees are paid for at hourly rates published in the Construction Task Catalog).

PROJECT SCHEDULE

1. All work shall be performed during normal working hours (Monday – Friday 7:00 am to 5:00 pm).
 2. Project construction will be scheduled upon receipt of the Purchase Order.
 3. The Contractor will coordinate a specific schedule for on-site activities with the Owner representative.
 4. Planned Outages / Notification for Outage
 5. Special or long lead time equipment and materials
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OWNER RESPONSIBILITIES

1. Owner shall provide access to the worksite during working hours.
 2. Owner shall provide a staging area for project related materials and equipment.
 3. Allow site protection in park as required
 4. Owner shall be responsible for re-routing pedestrian and vehicular traffic as necessary.
 5. Owner shall provide progress payments throughout the course of construction.
 6. Remove all items and equipment not specified to be removed Centennial from the work areas in order to allow Centennial an unobstructed work area.
 7. Shutdowns of any kind
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WORK ORDER PACKAGE DOCUMENTS ORDER OF PRECEDENCE:

Work Order Package documents shall govern in the order listed below:

1. This Detailed Scope of Work
2. Owner issued Contract Documents
3. Owner issued Specifications, Drawings, and Sketches

If at any time hazardous materials are uncovered, work will stop, and Avondale Estates will be notified.