ESTIMATE REFERENCE INFORMATION

ITEM NO.	ITEM CODE	ITEM	UNIT SUDAS INCIDENTAL OR INCLUDED ITEMS	CEDAR RAPIDS SUPPLEMENTAL SPECIFICATIONS	NOTES	1					
1	2010-108-E-0	Excavation, Class 10	CY a. Site preparation for, and the construction		Includes fill/borrow as required to	1					
			of, embankment, fills, shoulder backfill, and		meet drawing elevations.	I .	9020-108-A-0	Grading & Sod	CV	Finish grading and preparation of sod and	
			backfill behind curbs. b. Overhaul. c.		Approximately 60 CY of fill is	17	9020-108-A-0	Grading & 500			
			Finishing the soil surface, including		estimated for Jacolyn Park.					sodbed, stakes, fertilizing, watering,	
			roadways, shoulders, behind curbs, side						1 1	maintenance, and clean-up. Also includes	
			ditches, slopes, and borrow pits. d. Repair							any necessary sod replacements during	
			or replacement of any fences that have been							maintenance period.	
			unnecessarily damaged or removed.			18	9040-108-J-0	Rip Rap, Class E	TON	Includes engineering fabric	
			unnecessarily damaged of removed.			19	9070-108-A-1	Poured In-Place Wall	LS		
2	2010-108-I-0	Granular Subbase, 4"	SY Furnishing, placing, compacting, and		Includes crushed limestone where	20	9080, 3.02, A, 1	Toerail	LF		Includes labor and materials for
			trimming to the proper grade.		indicated on plans.						attachment/connection to existing
3	2010-108-1-0	Granular Subbase, 6"	SY Furnishing, placing, compacting, and								handrail.
			trimming to the proper grade. Also includes			21	11,020-108-A	Mobilization	LS	The movement of personnel, equipment,	
			restoration rock in areas where additional							and supplies to the project site; the	
			rock is required to match existing grades.							establishment of offices, buildings, and	
										other facilities necessary for the project;	
4	4040-1.08-A-0	Subdrain, PVC, 6"	LF Includes trench excavation and backfilling			11				and bonding, permits, and other expenses	
5	6010-108-H-0	Remove Intake	FA		Includes backfilling after removal	11				incurred prior to construction.	
	0010 100 11 0	Remove make			and filling of existing pipe with	22	11,010-108-A	Construction Survey	LS	The costs of resetting project control points, Also includes verification of control points a	nd
					flowable mortar.		,	·		re-staking, and any additional staking existing feature locations and elevations an	
6	7010-108-A-0	Pavement, PCC, 6"	SY Final trimming of subgrade or subbase,	Jnit price includes, but is not limited to, final	nowable mortar.	11				requested beyond the requirements of this submittals per Section 11,010 1.03.	
	7010-106-A-0	ravement, rcc, o	integral curb, bars and reinforcement, joints	rimming of subgrade or subbase, integral curb,						section.	
				pars and reinforcement, joints and sealing, surface		23	CR-8940, 1.08, D	Removal & Reinstallation of Sign	FΔ	Unit price includes, but is not limited to rem	oval
			1 1	curing, safety fencing, concrete for rigid headers,	:		CK-0340, 1.08, D	Removal & Remstallation of Sign	[[]	protection, and	svar,
			1 1								
				poxouts for fixtures, pavement smoothness testing	5,					reinstallation. New posts, if necessary due t	
			smoothness testing.	nd quality control for stringless paving.						damage or if specified, are incidental.	
_						24	02910-10	Tree Protection During Construction	EA		
7	7020-108-B-0	Pavement, HMA, 6"	SY Asphalt mix with asphalt binder, tack coats		Includes (2) sawcuts for initial and					inventory, tree protection plan, documentat	
			between layers, construction zone		finished edge prior to new HMA					inspection, and signing of work zone protect	
			protection, and quality control.		installation.	-				trees and border protected trees for the dur	ation of
8	7030-108-A-0	Removal of Sidewalk	SY Sawing, hauling, and disposal of materials							the construction activity.	
			removed.			25	01300-01	Temporary Erosion and Sediment Controls	LS		
9	7030-108-E-0	Sidewalk, PCC, 5"	SY Minor grade adjustments at driveways and			26	01400-53	Removal of Playground Border	LF		
			other intersections, subgrade preparation,			27	02500-55	ADA Compliant Drinking Fountain	EA		
			formwork, additional thickness at thickened			28	02600-20	Remove & Relocate Accessible Feature	LS		
		ADDENDUM 1: ITEM #2	edges, jointing, sampling, smoothness			30	02600-23	Valve Box Adjustment	EA		
			testing and correction, and testing.			30					
4.4	7020 100 0 0	Detected by Many's an		Ul data atalia wa main a manala inatalia din Cada n		31	02960-20	ADA Compliant Picnic Table	EA		
11	7030-108-G-0	Detectable Warnings		All detectable warning panels installed in Cedar Rapids shall be cast iron.		32	02960-25	ADA Compliant Bench	EA		
12	7040 100 1 0	Devices and Democrat (in divides a surfice of protect)		Rapids shall be cast from.		33	02960-30	ADA Compliant Grill	EA		
12	7040-108-I-0	Pavement Removal (includes curb and gutter) Grooves Cut for Pavement Markings	SY			34	02960-40	Tree Removal	EA		
(13	8020-108-M-0	Grooves Cut for Pavement Markings	LF Layout, cutting grooves, collection and			35	02960-45	Tree Planting	EA		
			disposal of removed material, and			36	02960-50	Precast Concrete Parking Bumper, 6 ft. Length	EA		
			additional groove width and transistion			37	02960-55	Miscellaneous Shelter Adjustments	LS		
			length beyond the pavement marking	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		37		-			
		V V V	dimensions.		7	38	02960-60	Port-O-John	EA		
(14	8020-108-B-0	Pavement Markings, Thermoplastic	LF CONTRACTOR .	Pre-formed thermoplastic marking tape.		39	02960-70	Miscellaneous Concrete Repair	LS		
				Material shall be PREMARK ViziGrip	\	40	02960-75	ADA Compliant Gangway & Dock System	LS		Coordinate with City Parks & Rec
{				nanufactured by Ennis-Flint, or approved							Staff. Contractor to provide all
			(6)	equal.	1]]					materials, labor & equipment for a
15	8020-108-G-0	Painted Symbols and Legends	EA Layout, surface preparation-including	Pre-formed thermoplastic marking tape.							complete install per
	A A A			Material shall be PREMARK ViziGrip)						manufacturer's specifications.
				nanufactured by Ennis-Flint, or approved							Includes anchor points in sidewalk
				equal.	V						as necessary for gangway
16	8030-108-A-0	Temporary Traffic Control	LS Installation, maintenance, and removal of		1	11					installation.
10	2020-100-W-0	Temporary frame control	temporary traffic control; total roadway			41	02960-80	Adjust Fence	LS		
			closures with installation and removal of			42			FA	All post sections, anchor, and associated ha	dware Includes one "2" "Non Accessible"
			detour signing as shown in the contract			42	16570-95	New Accessible Parking Signs with Posts	EA		
		ADDENIDURA C. ITEMA WA	documents; removal and reinstallation or							for installation of posts and Erection of signs	are route signs.
		ADDENDUM 2: ITEM #1 ——/	covering of permanent traffic control devices							incidental.	
			that conflict with the temporary traffic								
1 1					1	1					

GENERAL UTILITY NOTES

control plan; monitoring and documenting traffic control conditions; and flaggers.

- 1. Refer to SUDAS 1070 2.07 for general utility notes.
- 2. Abandoned utilities not shown on the plans may exist within the construction limits. If encountered, Contractor shall confirm said utilities are abandoned.

Contractor is responsible for removing these lines as necessary for construction.

- 3. Contractor shall verify sanitary and storm sewer pipe sizes and inverts prior to construction and prior to ordering manholes and/or pipe. No additional payment shall be made to the Contractor for material that is ordered and does not match pipe sizes and inverts that are to be confirmed prior to construction.
- 4. Repair all field/drain tiles encountered during construction as specified or at a minimum to allow flow using like material in new condition with City approved connections. Contractor shall record existing type, size, location and depth of all field/drain tiles encountered and repaired during construction. Provide data to the City for incorporation into record drawings.

GENERAL NOTES

- 1. Contractor is responsible for securing and providing the following permits and applications:
 - Public Right-of-Way Permit (available through the Public Works- Real Estate Division, Right of Way Management.)

 Current bond for Grading, Opening or Working in Public Street and Public Property (file with the Public works- Real Estate Division, Right of Way Management).

Vendor Registration Certificate (obtain through the Cedar Rapids Finance Department).

General Commercial Building Permit - for parking lot work. (obtain through the Cedar Rapids Building Department. Permit fees will not be charged.

- 2. If Contractor obtains additional easements for storage of equipment and materials, copies of agreements with the property owners shall be provided to the City. Upon completion of the usage of the additional easements, Contractor shall also obtain written acceptance from the owner and provide a copy to the Engineer.
- 3. Contractor shall coordinate the construction schedule with City staff to avoid conflicts with City events. No additional compensation will be made for coordinating schedules around events.

EROSION CONTROL NOTES

- 1. An NPDES permit is not required for this project.
- 2. Contractor is responsible for the protection and maintenance of all existing and constructed drainage channels and drainage structures. Contractor is liable for all damage to public or private property caused by their action or inaction in the handling of storm water flows during construction. Extra grading work necessary to maintain positive drainage within the construction limits is considered incidental to construction or related bid items.

SEEDING/SOD/MAINTENANCE NOTES

- 1. Only disturbed areas not paved or hard surfaced, adjacent to the proposed paving, shall recieve minimum 4" topsoil. Scarify areas to receive topsoil to a min. depth of 4". Remove all stones, wood and debris larger that 2" from areas to receive topsoil. Do not compact topsoil.
- 2. All disturbed areas shall be sod, in accordance with SUDAS section 9010
- 3. Existing facilities (curbs, pavement, utilities, etc.) that are to remain and damaged by the contractor shall be repaired or replaced by the contractor at no additional expense to the City.
- 4. Contractor is responsible for the watering and maintenance of sod, and trees planted through the first growing season of installation.

ROJECT NUMBER:

10 0002

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NW QUADRANT CR PARKS

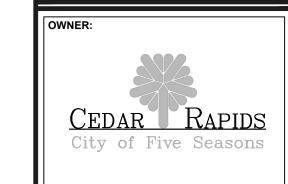
hbk ENGINEERING

HBK ENGINEERING, LLC 1202 3RD STREET SE SUITE 100 CEDAR RAPIDS, IA 52401 PHONE: (319) 536-3936

IOWA DEPARTMENT
OF LABOR
REGISTRATION
NO. 00527328
WWW.HBKENGINEERING.COM

DEVELOPER:

TO BE DETERMINED



DATE SUBMITTED: 09-25-2020

 DRAWING LOG

 REV
 ISSUED FOR
 DATE

 1
 FOR BID
 9/25/20

 2
 ADDENDUM 1
 2/5/21

 3
 ADDENDUM 2
 2/8/21

PROJECT MANAGER:
SJS

DRAWN BY:
KMW
CHECKED BY:
ASO

BID ITEMS & QUANTITIES

C1.1