

2021 Stormwater Management Master Plan Drainage Improvements, Phase

CITY OF RICHWOOD, TEXAS

STRAND PROJECT NO. 4570.015

February 9, 2023

BASE BID-DRAINAGE IMPROVEMENTS CHANGE ORDER 2			
ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	
<b>MAHAN STREET</b>			
1	Mobilization.	1	LS
2	Stormwater Pollution Prevention Plan (SWPPP).	1	LS
3	Traffic Control.	1	LS
4	Dewatering.	1	LS
5	Excavation.	1	LS
6	Remove and Dispose of Rock Riprap.	0	SY
7	Remove and Dispose of Concrete Riprap.	0	SY
8	Concrete Channel (Sloped or Curbed; measured along alignment).	25	LF
9	Concrete Slope Paving.	0	SY
10	Remove and Dispose of 12-inch through 18-Inch Reinforced Concrete Pipe.	0	LF
11	Remove and Dispose of 12-inch through 18-Inch Corrugated Metal Pipe	0	LF
12	Remove and Dispose of 24-inch through 42-Inch Reinforced Concrete Pipe.	0	LF
13	Remove and Dispose of 24-inch HDPE Pipe.	100	LF
14	Miter existing 12-inch through 18-Inch Reinforced Concrete Pipe to conform to slope.	0	EA
15	Miter existing 12-inch through 18-Inch Corrugated Metal Pipe to conform to slope.	0	EA
16	Miter existing 24-inch through 42-Inch Reinforced Concrete Pipe to conform to slope.	0	EA
17	Miter existing Junction Box to conform to slope and reconstruct top of inlet w/ existing frame and grate.	0	EA
18	Remove and Dispose of Existing 10'x11' Curb Inlet.	0	EA
19	Remove and Dispose of Existing Wooden Bridge.	0	LS
20	Remove and Dispose of Existing Concrete Sidewalk	0	SY
21	Construct 12-inch through 18-Inch Reinforced Concrete Collar.	0	EA
22	Construct 24-inch through 42-Inch Reinforced Concrete Collar.	1	EA
23	Furnish and Install 12-inch Reinforced Concrete Pipe.	0	LF
24	Furnish and Install 24-inch Reinforced Concrete Pipe.	9	LF
25	Furnish and Install 30-inch Reinforced Concrete Pipe.	0	LF
26	Furnish and Install 36-inch Reinforced Concrete Pipe.	0	LF
27	Furnish and Install 24-inch Corrugated Metal Pipe.	0	LF
28	Trench Safety.	32	LF
29	Furnish and Install 2-FT by 7-FT Box Culvert.	0	LF
30	Furnish and Install 3-FT by 12-FT Box Culvert. <b>Double run of 6x3</b>	32	LF
31	Construct 12'x6' Curb Inlet w/ grates	0	EA
32	Extend Wingwalls of 7'x3' Box Culvert Headwall.	0	EA
33	Headwall and Wingwall for 12'x3' Box Culvert (Downstream Side).	1	EA
34	Headwall and Wingwall for 12'x3' Box Culvert (Upstream Side).	1	EA
35	Concrete Pavement Repair.	0	SF
36	Asphalt Pavement Repair.	500	SF
37	Construct 4" Thick Concrete Sidewalk with 4-inches Flexible Base.	0	SF
38	Concrete Curb Ramp (Paver Style Detectable Warning Field).	0	EA
39	Geotextile Fabric (Type 2).	0	SY
40	Riprap Type R (18-inch).	0	CY
41	Restore Pavement Markings.	1	LS
42	Restoration and Seeding or Sodding.	1	LS
43	Type A Weep	0	EA
44	Type B Weep	0	EA
			TOTAL

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 1906 Niebuhr Street  
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2021 Stormwater Management Master Plan Drainage Improvements, Phase

CITY OF RICHWOOD, TEXAS

STRAND PROJECT NO. 4570.015

February 9, 2023

2021 Richwood Street Improvements  
 City of Richwood  
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 April 22, 2021

BASE BID-DRAINAGE IMPROVEMENTS CHANGE ORDER 2			
ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	
<b>YAUPON STREET</b>			
1	Mobilization.	1	LS
2	Stormwater Pollution Prevention Plan (SWPPP).	1	LS
3	Traffic Control.	1	LS
4	Dewatering.	1	LS
5	Excavation.	1	LS
6	Remove and Dispose of Rock Riprap.	0	SY
7	Remove and Dispose of Concrete Riprap.	0	SY
8	Concrete Channel (Sloped or Curbed; measured along alignment).	0	LF
9	Concrete Slope Paving.	0	SY
10	Remove and Dispose of 12-inch through 18-Inch Reinforced Concrete Pipe.	0	LF
11	Remove and Dispose of 12-inch through 18-Inch Corrugated Metal Pipe	0	LF
12	Remove and Dispose of 24-inch through 42-Inch Reinforced Concrete Pipe.	240	LF
13	Remove and Dispose of 24-inch HDPE Pipe.	0	LF
14	Miter existing 12-inch through 18-Inch Reinforced Concrete Pipe to conform to slope.	0	EA
15	Miter existing 12-inch through 18-Inch Corrugated Metal Pipe to conform to slope.	0	EA
16	Miter existing 24-inch through 42-Inch Reinforced Concrete Pipe to conform to slope.	0	EA
17	Miter existing Junction Box to conform to slope and reconstruct top of inlet w/ existing frame and grate.	0	EA
18	Remove and Dispose of Existing 10'x11' Curb Inlet.	1	EA
19	Remove and Dispose of Existing Wooden Bridge.	0	LS
20	Remove and Dispose of Existing Concrete Sidewalk	30	SY
21	Construct 12-inch through 18-Inch Reinforced Concrete Collar.	0	EA
22	Construct 24-inch through 42-Inch Reinforced Concrete Collar.	0	EA
23	Furnish and Install 12-inch Reinforced Concrete Pipe.	0	LF
24	Furnish and Install 24-inch Reinforced Concrete Pipe.	7	LF
25	Furnish and Install 30-inch Reinforced Concrete Pipe.	0	LF
26	Furnish and Install 36-inch Reinforced Concrete Pipe.	0	LF
27	Furnish and Install 24-inch Corrugated Metal Pipe.	0	LF
28	Trench Safety.	127	LF
29	Furnish and Install 2-FT by 7-FT Box Culvert.	127	LF
30	Furnish and Install 3-FT by 12-FT Box Culvert.	0	LF
31	Construct 12'x6' Curb Inlet w/ grates	1	EA
32	Extend Wingwalls of 7'x3' Box Culvert Headwall.	0	EA
33	Headwall and Wingwall for 12'x3' Box Culvert (Downstream Side).	0	EA
34	Headwall and Wingwall for 12'x3' Box Culvert (Upstream Side).	0	EA
35	Concrete Pavement Repair.	300	SF
36	Asphalt Pavement Repair.	0	SF
37	Construct 4" Thick Concrete Sidewalk with 4-inches Flexible Base.	150	SF
38	Concrete Curb Ramp (Paver Style Detectable Warning Field).	1	EA
39	Geotextile Fabric (Type 2).	100	SY
40	Riprap Type R (18-inch).	45	CY
41	Restore Pavement Markings.	0	LS
42	Restoration and Seeding or Sodding.	1	LS
43	Type A Weep	0	EA
44	Type B Weep	0	EA
		TOTAL	

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