



**NEW HANOVER COUNTY  
FINANCE DEPARTMENT PURCHASING DIVISION  
ADDENDUM 1  
Handrail Specification, Drawing, and Revised Bid Form**

From: Lena Butler, Purchasing Supervisor  
To: All Bidders  
Project: RFB # 25-0356\_BL-0400 Middle Sound Loop MUP  
Date: April 23, 2025

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This Addendum is related to the County's Request for Bids "**RFB 25-0356 BL-0040 Middle Sound Loop MUP**" and is hereby made a part of said Request for Bids to the same extent as though it were originally therein.

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This amendment is issued to include the installation of a pedestrian handrail at the location shown in the Plans. It is also noted as an additional pay item on the updated bid form.

1. Handrail Specifications
2. Handrail Drawing
3. Updated Bid Form Line Item #36 (Highlighted)

**ACKNOWLEDGEMENT: I acknowledge receipt of Addendum No. 1 and will include it with the Bid Documents.**

**Bidder:** \_\_\_\_\_

**By:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**END OF ADDENDUM NO. 1**

**HANDRAIL:****Description**

This work shall consist of the installation of a pedestrian hand railing at the location shown in the Plans.

**Materials**

Fence materials provided shall be 4' Aluminum Ornamental Fence, manufactured by one of the manufacturers listed below or approved equal. Panels shall be two rail, and all posts shall be 3" square. The fence shall be provided in the standard black color. An example of acceptable fence previously installed can be found on Holly Tree Road adjacent to the YWCA. Color, dimensions, and style of the fence will be considered in the Engineer's decision as to whether a proposed system is an "approved equal."

Non-shrink, non-metallic grout used to anchor fence posts shall conform to Section 1054-6 of the 2024 NCDOT Standard Specifications. Concrete fill shall conform to Section 1000 of the 2024 NCDOT Standard Specifications and shall be Class A minimum.

For further information, contact:

Carolina Custom Fence  
109 Balsam Drive  
Wilmington, NC 28409  
910-520-2588  
[www.carolina-customfence.com](http://www.carolina-customfence.com)

Durable Fence Company  
5202 Carolina Beach Road, Unit 13A  
Wilmington, NC 28412  
[www.durablefencecompany.com](http://www.durablefencecompany.com)

Seegars Fence Company  
2954 Orville Wright Way  
Wilmington, NC 28405  
910-343-8246

**Construction Requirements**

Embedment of the fence posts shall conform to manufacturer recommendations.

The Contractor shall be responsible for protecting the fence components from damage during storage, handling, installation, and subsequent construction

operations. Damage to fence components shall be grounds for rejection of the work. The Contractor shall clean the installed fencing, prior to final acceptance, in accordance with the manufacturer specifications.

**Method of Measurement and Basis of Payment**

The quantity of handrail shall be measured on the number of linear feet of fencing installed complete and accepted. The quantity of pedestrian railing shall be paid for at the contract unit price per linear feet for "Handrail". The contract unit price shall be full compensation for all time, labor, concrete fill, and materials needed to complete the work covered in this section.

Payment will be made under:

**Pay Item**

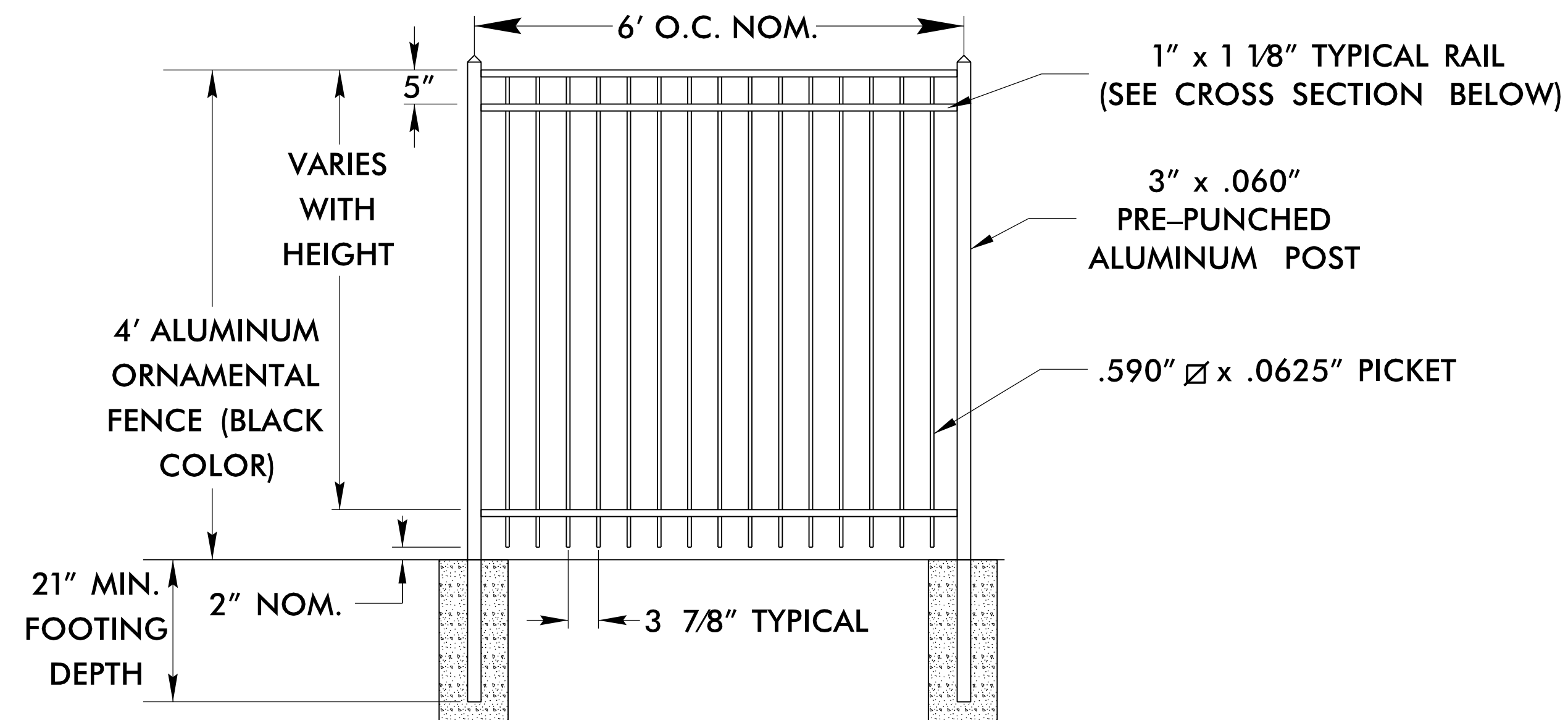
**Pay Unit**

Handrail

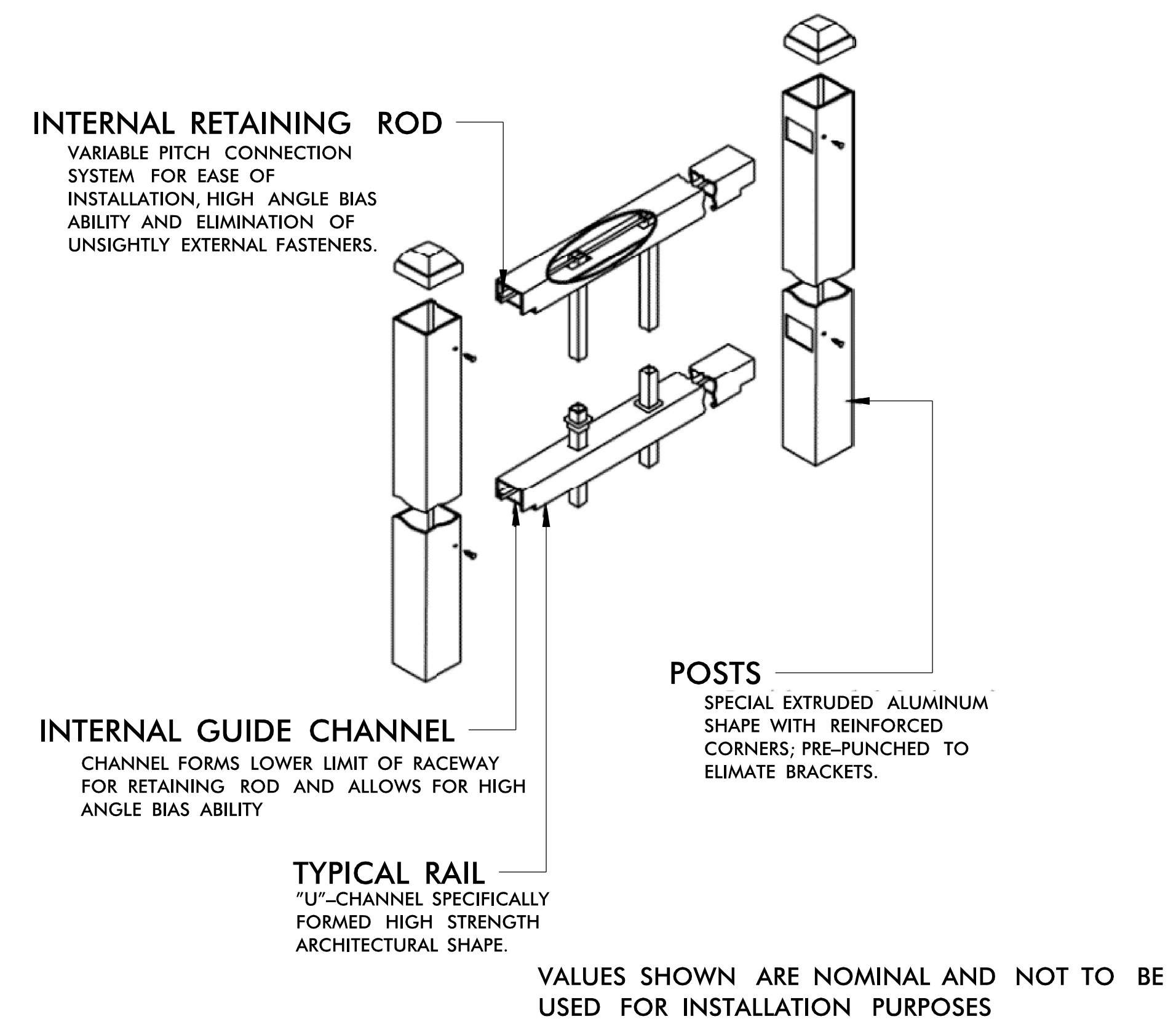
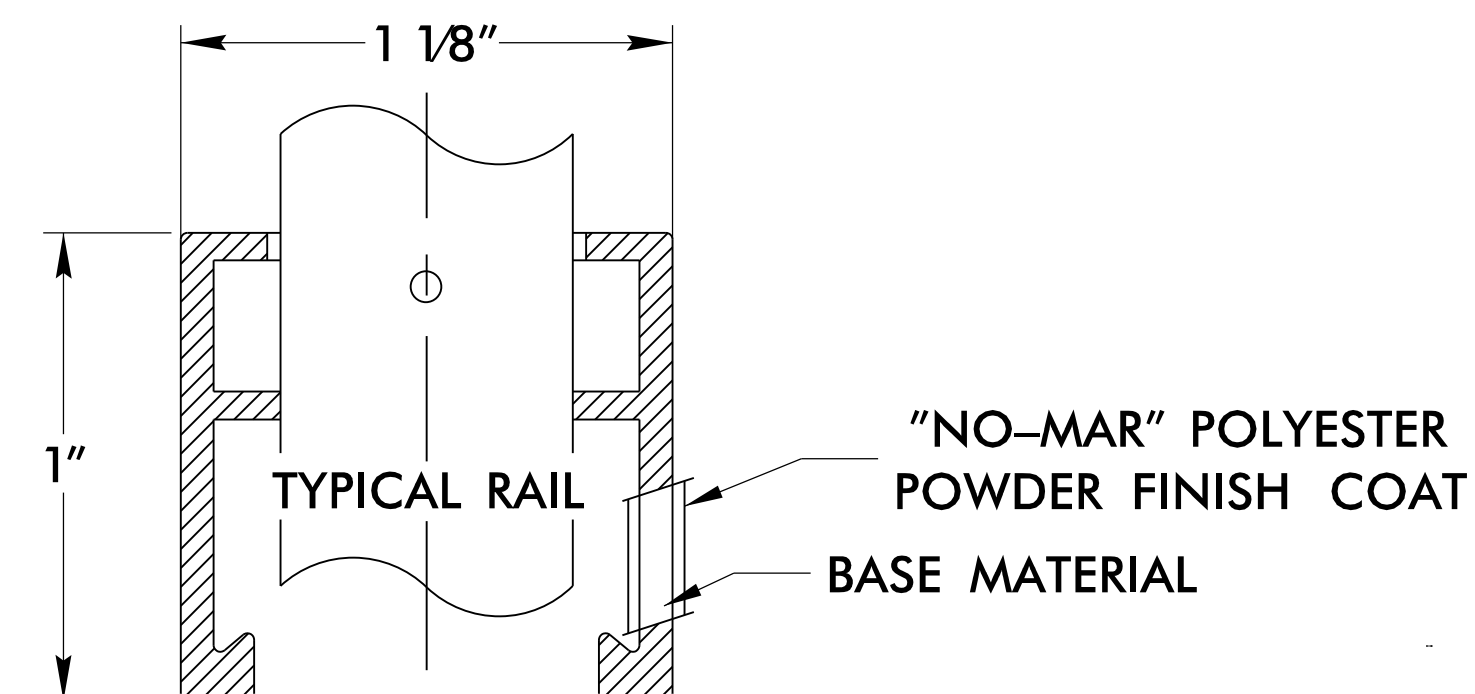
Linear Foot

# SAFETY RAIL DETAIL SHEET

SEE HANDRAIL ON PLAN SHEET 5.  
-L1- STA. 14+44.82 TO 14+76.92



NOTES:  
1. POST FOOTINGS AVAILABLE  
IN 21" OR 33" DEPTHS.



**NEW HANOVER COUNTY, NORTH CAROLINA BID FORM**

**AMENDED BID FORM**

TIP No: EB-6027 and BL-0040  
Middle Sound Loop Road & Market St. Connector  
County: New Hanover

DATE:

Description: Grading, paving, pavement markings, signing, and drainage for approximately 1,680 linear feet of multi-use path along SR 1403 (Middle Sound Loop Road) and approximately 1,240 linear feet along US 17 (Market Street) in New Hanover County, NC.

LINE ITEM	STD. ITEM NO	SECT.	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL AMOUNT
1	0000100000-N	800	Mobilization	1	LS		
2	0000400000-N	801	Construction Surveying	1	LS		
3	0063000000-N	226	Comprehensive Grading	1	LS		
4	0196000000-E	270	Geotextile for Soil Stabilization	1605	SY		
5	0335200000-E	305	15" Drainage Pipe	132	LF		
6	0335300000-E	305	18" Drainage Pipe	160	LF		
7	0448200000-E	310	15" RC Pipe Culverts, Class IV	68	LF		
8	0448300000-E	310	18" RC Pipe Culverts, Class IV	480	LF		
9	0448400000-E	310	24" RC Pipe Culverts, Class IV	52	LF		
10	0448600000-E	310	36" RC Pipe Culverts, Class IV	140	LF		
11	0449000000-E	310	30" RC Pipe Culverts, Class V	92	LF		
12	1220000000-E	545	Incidental Stone	105	TN		
13	1099500000-E	505	Shallow Undercut	75	CY		
14	1099700000-E	SP	Stabilization of Coastal Plain Sands	300	TN		
15	1121000000-E	520	Aggregate Base Course	400	TN		
16	1491000000-E	610	Asphalt Concrete Base Course, Type B25.0C	30	TN		
17	1503000000-E	610	Asphalt Concrete Intermediate Course, Type I19.0C	15	TN		
18	1519000000-E	610	Asphalt Concrete Surface Course, Type S9.5B	200	TN		
19	1519000000-E	610	Asphalt Concrete Surface Course, Type S9.5C	15	TN		
20	1575000000-E	620/SP	Asphalt Binder for Plant Mix PG64-22	15.955	TN		
21	2286000000-N	840	Masonry Drainage Structures	12	EA		
22	2308000000-E	840	Masonry Drainage Structure	0.6	LF		
23	2472000000-N	SP	Conflict Box, Special Drainage Structure	1	EA		
24	2472000000-N	SP	G.D.I. Type "A" Minimum Depth STD. 840.17	1	EA		
25	2354200000-N	840	Frame with Grate, Std. 840.24	2	EA		
26	2355000000-N	840	Frame with Grate, Std. 840.29	8	EA		
27	2396000000-N	840	Frame with Cover, Std. 840.54	4	EA		
28	2549000000-E	846	2'-6" Concrete Curb & Gutter	160	LF		
29	2577000000-E	846	Concrete Expressway Gutter	80	LF		
30	2580000000-E	846	Concrete Valley Gutter	630	LF		
31	2591000000-E	848	4" Concrete Sidewalk	1005	SY		
32	2605000000-N	848	Concrete Curb Ramp	17	EA		
33	2612000000-E	848	6" Concrete Driveway	160	SY		
34	2845000000-N	858	Adjustment of Valve Boxes	4	EA		
35	3575000000-E	SP	Fence Reset	70	LF		
36	3575000000-E	SP	Handrail	32	LF		
37	3656000000-E	876	Geotextile for Drainage	400	SY		
38	4072000000-E	903	Supports, 3 LB Steel U-Channel	85	LF		
39	4102000000-N	904	Sign Erection, Type E	6	EA		
40	4116100000-N	904	Sign Erection, Relocate Sign Type E	1	EA		

41	4155000000-N	907	Disposal of Sign System, U-Channel	5	EA		
42	4400000000-E	1110	Work Zone Signs (Stationary)	128	SF		
43	4405000000-E	1110	Work Zone Signs (Portable)	283	SF		
44	4410000000-E	1110	Work Zone Signs (Barricade Mounted)	8	SF		
45	4415000000-N	1115	Flashing Arrow Board	1	EA		
46	4420000000-N	1120	Portable Changeable Message Sign	1	EA		
47	4430000000-N	1130	Drums	150	EA		
48	4435000000-N	1135	Cones	50	EA		
49	4455000000-N	1150	Flagger (By Day)	180	DAY		
50	4480000000-N	1165	Truck Mounted Impact Attenuator	1	EA		
51	4695000000-E	1205	Thermoplastic Pavement Marking Lines, (8", 90 MILS)	475	LF		
52	4891000000-E	1205	Thermoplastic Pavement Marking Lines, (24", 90 MILS)	385	LF		
53	5255000000-N	1413	Portable Construction Lighting	1	LS		
54	5540000000-E	1515	6" Gate Valve and Valve Box	1	EA		
55	5672000000-N	1515	Relocate Fire Hydrant	2	EA		
56	5689000000-E	SP	Adjust Meter Box (Conflict No. 1)	1	EA		
57	5689000000-E	SP	Relocate Water Meter (Conflict No. 2, 3, 5, and 12)	4	EA		
58	5689000000-E	SP	Lower Existing Water Main (Conflict No. 4)	1	LS		
59	5689000000-E	SP	Relocate 2" Water Service (Conflict No. 4)	1	LS		
60	5689000000-E	SP	Relocate Hot Box (Conflict No. 6)	1	EA		
61	5689000000-E	SP	Re-Install Water Service (Conflict No. 9, 10, and 14)	3	EA		
62	5689000000-E	SP	Upgrade Existing Sewer Services (Conflict No. 8, 11, and 15)	3	EA		
63	5689000000-E	SP	Lower Existing Sewer Service (Conflict No. 13)	1	LS		
64	5689000000-E	SP	Structural Bridging of Force Main	1	LS		
65	6000000000-E	1605	Temporary Silt Fence	5815	LF		
66	6006000000-E	1610	Stone for Erosion Control, Class A	45	TN		
67	6009000000-E	1610	Stone for Erosion Control, Class B	80	TN		
68	6012000000-E	1610	Sediment Control Stone	100	TN		
69	6015000000-E	1615	Temporary Mulching	1	ACR		
70	6018000000-E	1620	Seed for Temporary Seeding	300	LB		
71	6021000000-E	1620	Fertilizer for Temporary Seeding	1.5	TN		
72	6024000000-E	1622	Temporary Slope Drains	250	LF		
73	6029000000-E	SP	Safety Fence	580	LF		
74	6030000000-E	1630	Silt Excavation	120	CY		
75	6036000000-E	1631	Matting for Erosion Control	2900	SY		
76	6042000000-E	1632	¼" Hardware Cloth	605	LF		
77	6071010000-E	1642	Wattle	150	LF		
78	6071013000-E	1642	Wattle Barrier	80	LF		
79	6071020000-E	1642	Flocculant	35	LB		
80	6084000000-E	1660	Seeding and Mulching	1.75	ACR		
81	6087000000-E	1660	Mowing	1.75	ACR		
82	6090000000-E	1661	Seed for Repair Seeding	100	LB		
83	6093000000-E	1661	Fertilizer for Repair Seeding	0.5	TN		
84	6096000000-E	1662	Seed for Supplemental Seeding	100	LB		
85	6108000000-E	1665	Fertilizer Topdressing	1.75	TN		
86	6114500000-E	1667	Specialized Hand Mowing	20	MHR		
87	6117000000_E	1675	Response for Erosion Control	45	EA		
88	6117500000-E	SP	Concrete Washout Structure	3	EA		
<b>TOTAL BID AMOUNT</b>							