

INSTRUCTIONS:

-Copy the following table for each item in Quantities tab

-Link totals in green boxes to Quantities Tab

COPY THE TABLE BELOW

50910000	EPOXY COATED STEEL REINFORCEMENT
Units	LB
Not in Quantity Summary	

Total194.00LB

QUANTITIES:

20335120	GRANULAR MATERIAL, TYPE C
Units	CY
In Quantity Summary	

Area (plan view) = 5632.3 sf cad
Min thickness = 1.0 ft

Total209CY

50700401	STEEL PILES, MISC.: W21x101, FURNISHED
Units	FT
In Quantity Summary	

Shaft	Length (ft)	(Lengths from sheet 9/13)
N01	24.0	
N02	28.0	
N03	32.0	
N08	36.5	
N09	36.5	
N10	36.5	

Total L = 193.50 ft

Total194.00FT

50700401	STEEL PILES, MISC.: W24x192, FURNISHED
Units	FT
In Quantity Summary	

Shaft	Length (ft)	(Lengths from sheet 9/13)
N04	50.0	
N05	56.5	
N06	56.5	
N07	46.5	

Total L = 209.50 ft

Total210.00FT

51210001 SEALING OF CONCRETE SURFACES, AS PER PLAN (PERMANENT GRAFFITI PROTECTION)

Units SY

In Quantity Summary

Wall L = 250.83 ft *exposed wall limits*
Height of protection = 10.00 ft
Area = 2508 sf

Total 279.00 SY

51210101 SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN

Units SY

In Quantity Summary

Area = 4100.00 sf *exposed wall area, cad*
Wall L = 250.83 ft *exposed wall limits*
Top of Coping = 1.08 ft
Area = 4372 sf

Total 486.00 SY

51390000 STRUCTURAL STEEL, MISC.: RETENTION ANGLE

Units LB

In Quantity Summary

L6x6x1/2 Wt per ft 19.60 lb/ft
Length 345.00 ft
L6x6x7/8 Wt per ft 33.10 lb/ft
Length 2.67 ft

per ZES/SSW 4.18.24

ANGLES					
6x6x1/2			6x6x7/8		
unit wt (lb/ft)	19.6		unit wt (lb/ft)	33.1	
#	length (ft)	wt (lb)	#	length (ft)	wt (lb)
18	345	6762	5	2.67	89

Total 6851 LB

51613600 1" PREFORMED EXPANSION JOINT FILLER

Units SF

In Quantity Summary

Area of Cap = 2.00 sf *measured in CAD*
Slip Joint Spa = 20 ft
Slip Joints = 10

Total 20.00 SF

51613900 2" PREFORMED EXPANSION JOINT FILLER

Units SF

In Quantity Summary

Area = 44.00 sf *ssw 4.18.24*

Total 44.00 SF

51642000 ELASTOMERIC BEARING PAD, MISC.: 6" x 8" x 3/8" THICK

Units EACH

In Quantity Summary

support an 4 ea

Total 5.00 EA

51642000 ELASTOMERIC BEARING PAD, MISC.: 6" x 10" x 3/8" THICK

Units EACH

In Quantity Summary

2 pads (eac 2 pads (accounting for bottoms)

1	4	4
2	6	6
3	8	8
4	12	12
5	15	15
6	10	10
7	10	10
8	10	10
9	10	10
sum		85
total		165

Total 165.00 EA

52494703 DRILLED SHAFTS, 36" DIAMETER, ABOVE BEDROCK, AS PER PLAN

Units FT

In Quantity Summary

Shaft	Length (ft)	(Lengths from sheet 9/13)
N01	16.0	
N02	16.0	
N03	16.0	
N04	26.0	
N05	26.0	
N06	26.0	
N07	26.0	
N08	16.0	
N09	16.0	
N10	16.0	

Total L = 200.00 ft

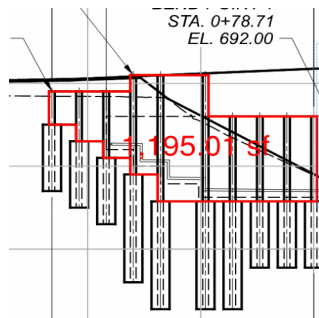
Total 200.00 FT

53051010 SPECIAL - RETAINING WALL, PRECAST CONCRETE LAGGING

Units SF

In Quantity Summary

Lagging Area = 1195.0 sf cad



Total 1195.00 SF

60723000 FENCE, TYPE CLT

Units FT

In Quantity Summary

Length of grade (FF) = 61.3 ft (cad, along far face of wall)

Total 62.00 FT

61341200 LOW STRENGTH MORTAR BACKFILL

Units CY

In Quantity Summary

ZES calc 37 cy ssw check 4.18.24

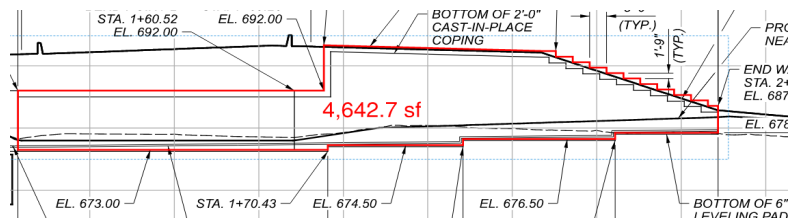
Total 37.00 CY

84020000 MECHANICALLY STABILIZED EARTH WALL

Units SF

In Quantity Summary

Wall Area = 4642.7 sf cad



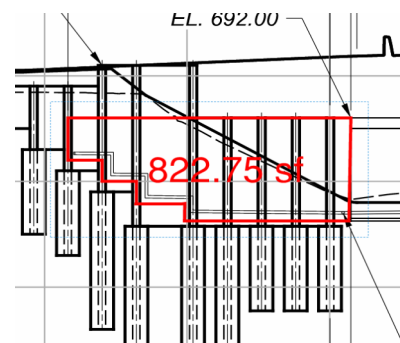
Total 4643.00 SF

84020001 MECHANICALLY STABILIZED EARTH WALL, AS PER PLAN: WIRE FACED MSE WALL

Units SF

In Quantity Summary

Wire Wall Area = 822.8 sf (BlueBeam area measurement)



Total 823.00 SF

84021000 WALL EXCAVATION

Units CY

In Quantity Summary

Area (plan view) = 5632.34 ft cad
Avg height = 10.3 ft (cad, used existing groundline at face min, el 687 max)

Total 2149.00 CY

84022000 FOUNDATION PREPARATION

Units SY

In Quantity Summary

Area (plan view) = 5632.34 ft cad

Total 626.00 SY

84023000 SELECT GRANULAR BACKFILL

Units CY

In Quantity Summary

Area (plan view) = 5632.34 ft cad

Avg height = 21.0 ft cad

Total 4380.00 CY

84023050 NATURAL SOIL

Units CY

In Quantity Summary

Thickness = 2.0 ft Per 840
Width = 27.1 ft cad
Length = 86.0 ft cad ssw 4.18.24

Total 173.00 CY

84025010 6" DRAINAGE PIPE, PERFORATED

Units FT

In Quantity Summary

Length = 216.3 ft (cad, length of wall + change in elevation of bot of wall)
Pipes = 2.0
Connector Length = 25.0 ft (cad, rear pipe to forward pipe)
Wire mesh Length = 22.0 ft cad, approx.
ZES calc 424 ft ssw check 4.18.24

Total 424.00 FT

84025020 6" DRAINAGE PIPE, NON-PERFORATED

Units FT

In Quantity Summary

Total 40.00 FT

84026000 CONCRETE COPING

Units FT

In Quantity Summary

Wall Length = 243.0 ft (cad, length of wall + change in elevation of steps)

Total 243.00 FT

84026050 AESTHETIC SURFACE TREATMENT

Units SF

In Quantity Summary

Wall Area = 4642.70 sf cad

Total 4643.00 SF

84027000 ON-SITE ASSISTANCE

Units DAY

In Quantity Summary

Since many complex walls, assume 1 each

Item 840 **On-Site** Assistance is listed as a number of days. For normal projects where there are less than 4 walls then the number of days should be five in the contract. For other projects that have more walls or multiple year contracts then more days should be used. Contact the District Construction Engineers for help.

Total **1.00** DAY

84028000 SGB INSPECTION AND COMPACTION TESTING

Units LS

In Quantity Summary

Total **1.00** LS