

INITIALS	DESIGN	DATE	DETAIL	DATE	QUANTITY	DATE
By						
Checked By						

Hex Nut (3 Per Pile)

1'-6"

Design Height (DH)

Casing Pay Length

4'-0" Max to top centralizer

10'-0" Max Between Centralizers

1'-0" (Min) Socket into Rock

Min. Bond Length (L1)

4'-0" Max to bott centralizer

3" Min

3" Max

10"x10"x1" Bearing Plate (15"x10"x1 bottom plate for slanted pile) (Total 2 per pile)

Bottom of Cap Beam

Top of Rock

30°

Bench

Slanted Pile (Typ) @ 5'-0" spacing

Vertical Pile @ 5'-0" spacing staggered with slanted pile

SECTION A

SECTION B

4" Ø-0.5" Wall THK A36 Permanent Casing

#18 Grade 75 All-Thread Bar

Soil

Grout

8" Ø

Rock

#18 Grade 75 All-Thread Bar

Grout

Concrete Filler (Typ) ≤ 8"

Varies

2'-8 3/4"

1'-0"

3'-3"

3" Clr All Around

#5 (Total 10)

1'-6"

2'-6" Min

6"

1/2" Exp Jt Matl

6"

Geomembrane

DETAIL 1 BXX

CAP DETAIL A-FRAME BLOCK

(For Information Only)

Item No.	Description	Unit	Quantity
601	Concrete Class D	CY/LF	0.1936
602	Reinforcing Steel (Epoxy Coated)	LB/LF	24.98
518	Waterstop (6 Inch)	LF/Ft	1

2'-6"

#5 @ 8" (Typ)

Varies

1'-10 7/8"

7"

2'-6" Min

6" Min

1'-6"

3" Clr All Around

#5 (Total 8)

1'-6"

6" Max

1/2" Exp Jt Matl

6"

DETAIL 2 BXX

CAP DETAIL A-FRAME PANEL

(For Information Only)

Item No.	Description	Unit	Quantity
601	Concrete Class D	CY/LF	0.1482

▲ Circular arc for both vertical and slanted pile pay length (L1=L2)

MICROPILE VERTICAL

Station	Top of Cap Beam Elev	Estimated Bedrock Elevation	DH or Casing Pay Length Ft	Minimum Bond Length Ft	Micropile Pay Length Ft	Actual Bedrock Elevation

Print Date: \$DATE\$	
File Name: Sheet_B-504-V2 .dgn	
Horiz. Scale:	Vert. Scale: As Noted
Unit Information	Unit Leader Initials

Sheet Revisions		
Date:	Comments	Init.

Sheet Number