

**PLOTTED DATE:** 1/21/2022

ITEM	BRIDGE COMPONENTS	PCC CLASS
OTING CONCRETE	RIGID FRAME PEDETALS AND FOOTINGS, WINGWALL FOOTINGS	PCC03340
NGWALL CONCRETE	WINGWALL STEMS	PCC03340
GID FRAME CONCRETE	PRECAST RIGID FRAME SECTIONS	PCC04462
RAPET CONCRETE	HEADWALLS AND PARAPETS	PCC04462

Inspector:         L. Arnof M Shuler         Town:         Southington, Connecticut         Stat/Offset:           Engineer:         Rob Pion         Project No::         0131-0190         Northing:         766380           Start Date:         6-23-20         Bridge No::         10         Easting::         961501           Finish Date:         6-23-20         Bridge No::         00646         Surface Elevation:         143.6           Project Description:         Bridge No::         00646         Surface Elevation:         143.6           Casing Size/Type:         3" HFJ         Sampler Type/Size:         2"SS         Core Barrel Type: NX           Ammer WL:         Fail:         In.         Hammer WL:         140         Fail:         30in.           Groundwater Observations:         @41         after 0 hours         Stature         Material Description and Notes           Site         Site         Groundwater Observations:         @5         Groundwater         Dark Gray, c-f SAND, trace f gravel, trace sitt.           Site         Site         Groundwater         Site         Site         Brown c-f GRAVEL, and c-f SAND, trace sitt.           Site         Site         Site         Site         Site         Brown f-c SAND, ittle sitt, trace f gravel. <tr< th=""><th>Driller:</th><th></th><th colspan="3"></th><th></th><th></th><th>onne</th><th></th><th>ut DOT Bo</th><th>Hole No.: B-64</th><th>6-1</th></tr<>	Driller:							onne		ut DOT Bo	Hole No.: B-64	6-1	
Start Date:       6-23-20       Route No.:       10       Easting:       961501         Frinke Date:       6-24-20       Bridge 646 Replacement       Surface Elevation:       143.6         Project Description:       Bridge 646 Replacement       Core Barrel Type: NX       Core Barrel Type: NX         Hammer WL:       Fall:       In       Hammer WL:       140       Fall:       Solid       Core Barrel Type: NX         Groundwater Observations:       G41       after 0 hours       Sampler       Sign group       Material Description and Notes         Image Sign Sign Sign Sign Sign Sign Sign Sign	-				Shuler					-	necticut		
Finish Date:       6-24-20       Bridge No::       00646       Surface Elevation:       143.6         Project Description:       Bridge 646 Replacement       Sampler Type/Size:       2*S       Core Barrel Type: NX         Hammer W1:       Fall: in.       Hammer W1:       Fall: 30in.       Groundwater Observations:       @difference       @di	-												
Project Description:       Bridge 646 Replacement         Casing Size/Type:       3" HFJ       Sampler Type/Size:       2"SS       Core Barrel Type: NX         Hammer Wt:       Fall:       In.       Hammer Wt:       140       Fall:       Ours         Sampler Type/Size:       2"SS       Core Barrel Type: NX         Groundwater Observations:       Gel1       after 0 hours         Sampler per 6 inches       E       E       E       Blows on Sampler       E       Parement Situation         Sampler per 6 inches       E       E       E       E       Parement Situation       Material Description and Notes         Situation       Sampler Situation       Parement Situation       Parement Situation       Dark Gray, of SAND, trace f gravel, trace sit.         Situation       Red Brown c-1 GRAVEL, and c-1 SAND, trace sitt.       Red Brown c-1 GRAVEL, and c-1 SAND, trace sit.         10       S4       8       4       2       24       6       Brown f-c SAND, trace sit.         20       S-6       3       3       4       2       24       4       Silty Sand       Brown f-c SAND, trace sit.         30       S-9       6       9       11       24       4       Silty Sand       Brown f-c SAND, little sit, trace f grave										~			
Casing SizeType: 3" HFJSampler Type/Size: 2"SSCore Barrel Type: NXHammer WL: Fall: in.Hammer WL: 140Fall: 30in.Groundwater Observations: @41after 0 hoursSAMPLESMaterial Description and NotesOSite Type/Size: 2"SSCore Barrel Type: NXMaterial Description Sampler per 6 inchesMaterial Description and NotesOSite Type/Size: 2"SSMaterial Description and NotesOSite Type/Size: 2"SSMaterial Description and NotesOSite Type/Size: 2"SSMaterial Description and NotesOSite Site Site Site Site Site Site Site							-		0064	6		Surface Elevation:	143.6
Hammer Wt:Fall: in.Hammer Wt:140Fall: 30in.Groundwater Observations:@41after 0 hoursSAMPLESSampler per 6 inches $\begin{bmatrix} : : : : : : : : : : : : : : : : : : :$	Project	Descrip	tion: B	ridg	e 646	Rep	aceme	ent				1	
Groundwater Observations: @41 after 0 hoursSAMPLESSAMPLESSampler $\frac{1}{50}$ Blows on $\frac{5}{50}$ $\frac{5}{50}$ $\frac{6}{50}$ <	Casing	Size/Ty	pe: <b>3"  </b>	HFJ		5	Sample	r Type	/Size:	2"SS		Core Barrel Type: N	1X
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	Hamme	er Wt.:		Fall	in.	ł	lamme	r Wt.:	140	Fall: 30in.			
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Ground	water O	bservati		<u> </u>			ours					
0         50/2"         2         2         2         Pavement Structure Gravelly Sand         Dark Gray, c-f SAND, trace f gravel, trace silt.           5         S-3         14         9         5         7         24         11         Structure Gravelly Sand         Red Brown c-f GRAVEL, and c-f SAND, trace silt.           10         S-4         8         8         4         3         24         4         Red Brown c-f GRAVEL, and c-f SAND, trace silt.           10         S-4         8         8         4         3         24         4         Silty Sand         Red Brown c-f GRAVEL, and c-f SAND, trace silt.           10         S-5         3         1         WOH         1         24         4         Silty Sand         Brown c-f GRAVEL, and c-f SAND, trace silt.           20         S-6         3         3         4         2         24         6         Brown f-c SAND, little silt, trace f gravel.           20         S-6         3         5         4         11         24         0         Brown f-c SAND, little silt, irace f gravel.           25         S-7         3         5         4         11         24         0         Brown f-c SAND, little silt, irace f gravel.           30					SAMF	PLES		1					
0         50/2"         2         2         2         2         Pavement Structure Gravelly         Dark Gray, c-f SAND, trace f gravel, trace silt.           5         \$-2         11         25         26         38         24         15           5         \$-3         14         9         5         7         24         11         Structure Gravelly         Red Brown c-f GRAVEL, and c-f SAND, trace silt.           10         \$-4         8         8         4         3         24         4         Silty Sand         Red Brown c-f GRAVEL, and c-f SAND, trace silt.           10         \$-4         8         8         4         3         24         4         Silty Sand         Brown c-f GRAVEL, and c-f SAND, trace silt.           15         \$-5         3         1         WOH         1         24         4         Silty Sand         Brown f-c SAND, little silt, trace f gravel.           20         \$-6         3         3         4         2         24         6         Brown f-c SAND, little silt, trace f gravel.           21         \$-7         3         5         4         11         24         0         Brown f-c SAND, little silt, itrace f gravel.           30         \$-8         6 </td <td>(£</td> <td>, o</td> <td></td> <td>Blov</td> <td>we on</td> <td></td> <td>-</td> <td>-</td> <td></td> <td>alize</td> <td>Ma</td> <td>terial Description</td> <td></td>	(£	, o		Blov	we on		-	-		alize	Ma	terial Description	
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Cep	San	p		•	s	en	Sec	g	Ger Stra			
S-1       50/2"       2       2       2       2       Dark Gray, c-f SAND, trace f gravel, trace sit.         S-2       11       25       26       38       24       15       Sad       Red Brown c-f GRAVEL, and c-f SAND, trace sit.         10       S-4       8       8       4       3       24       4       Red Brown c-f GRAVEL, and c-f SAND, trace sit.         10       S-4       8       8       4       3       24       4       Red Brown c-f GRAVEL, and c-f SAND, trace sit.         10       S-4       8       8       4       3       24       4       Red Brown c-f GRAVEL, and c-f SAND, trace sit.         11       S-5       3       1       WOH       1       24       4       Sitty Sand         10       S-6       3       3       4       2       24       6       Brown c-f SAND, trace sit.         20       S-6       3       3       4       2       24       6       Brown f-c SAND, trace f gravel.         20       S-6       3       3       4       2       24       6       Brown f-c SAND, trace f gravel.         20       S-7       3       5       4       11       24       8	_												
S-2       11       25       26       38       24       15       Gravelly       Red Brown c-f SAND, some m-f gravel, trace s         10       S-4       8       8       4       3       24       11       Red Brown c-f GRAVEL, and c-f SAND, trace sit.         10       S-4       8       8       4       3       24       4       Red Brown c-f GRAVEL, and c-f SAND, trace sit.         15       S-5       3       1       WOH       1       24       4       Silty Sand       Brown c-f SAND, trace sit.         20       S-6       3       3       4       2       24       6       Brown c-f SAND, trace sit.         20       S-6       3       3       4       2       24       6       Brown f-c SAND, trace sit.         25       S-7       3       5       4       11       24       0       Brown f-c SAND, little sit, trace f gravel.         30       S-9       6       9       11       24       8       Brown f-c SAND, some (plastic) silt, some clay, trace f gravel.         35       S-10       12       15       14       15       24       8       Bedrock       Red Brown f-c SAND, some (plastic) silt, some clay, trace f gravel.       Red Brown medium	Ŭ -	S-1	50/2"				2	2			Dark Gray, c-f SA	AND, trace f gravel, tra	ace silt.
5       S.3       14       9       5       7       24       11         10       S.4       8       8       4       3       24       4         10       S.4       8       8       4       3       24       4         15       S.5       3       1       WOH       1       24       4         20       S-6       3       3       4       2       24       6         20       S-6       3       3       4       2       24       6         20       S-6       3       3       4       2       24       6         25       S-7       3       5       4       11       24       0         25       S-7       3       5       4       11       24       0         30       S-9       6       9       11       21       24       8         35       S-10       12       15       14       15       24       8         40       S-11       50/1"       1       1       1       1         45       S-12       50/2"       2       2       2 <t< td=""><td>_</td><td>S-2</td><td>11</td><td>25</td><td>26</td><td>38</td><td>24</td><td>15</td><td></td><td></td><td>Red Brown c-f SA</td><td>AND, some m-f grave</td><td>l, trace silt.</td></t<>	_	S-2	11	25	26	38	24	15			Red Brown c-f SA	AND, some m-f grave	l, trace silt.
10       S-4       8       8       4       3       24       4       Silt       Red Brown c-f GRAVEL, and c-f SAND, trace silt.         15       S-5       3       1       WOH       1       24       4       Silty Sand       Brown c-f GRAVEL, and c-f SAND, trace silt.         20       S-6       3       3       4       2       24       6       Brown f-c SAND, trace silt.         20       S-6       3       3       4       2       24       6       Brown f-c SAND, trace silt.         20       S-6       3       5       4       11       24       6       Brown f-c SAND, little silt, trace f gravel.         25       S-7       3       5       4       11       24       0         30       S-9       6       9       11       21       24       8         35       S-10       12       15       14       15       24       8         40       S-11       50/1*       1       1       1       Weathered Bedrock       Red Brown medium grained, completely weathered sandstone         45       S-12       50/2*       2       2       2       2       2       2         45 </td <td>5-</td> <td>S-3</td> <td>14</td> <td>9</td> <td>5</td> <td>7</td> <td>24</td> <td>11</td> <td></td> <td>Sand</td> <td></td> <td>RAVEL, and c-f SAN</td> <td>D, trace</td>	5-	S-3	14	9	5	7	24	11		Sand		RAVEL, and c-f SAN	D, trace
15       0       0       0       0       0       1       1       1       silt.         15       S-5       3       1       WOH       1       24       4       Silty Sand       Brown c-f SAND, trace silt.         20       S-6       3       3       4       2       24       6       Brown f-c SAND, trace silt.         20       S-6       3       3       4       2       24       6       Brown f-c SAND, trace silt.         20       S-6       3       3       4       2       24       6       Brown f-c SAND, little silt, trace f gravel.         25       S-7       3       5       4       11       24       0         25       S-7       3       5       4       11       24       0         30       S-9       6       9       11       21       24       8       Red Brown f-c SAND, some (plastic) silt, some clay, trace f gravel.         35       S-10       12       15       14       15       24       8       Weathered Bedrock       Red Brown f-c SAND, little silt, little c-f gravel, trace clay.       Red Brown medium grained, completely weathered sandstone         40       S-11       50/2"       <				Ũ	0	,					silt.		
15       0       0       0       0       0       1       1       1       silt.         15       S-5       3       1       WOH       1       24       4       Silty Sand       Brown c-f SAND, trace silt.         20       S-6       3       3       4       2       24       6       Brown f-c SAND, trace silt.         20       S-6       3       3       4       2       24       6       Brown f-c SAND, trace silt.         20       S-6       3       3       4       2       24       6       Brown f-c SAND, little silt, trace f gravel.         25       S-7       3       5       4       11       24       0         25       S-7       3       5       4       11       24       0         30       S-9       6       9       11       21       24       8       Red Brown f-c SAND, some (plastic) silt, some clay, trace f gravel.         35       S-10       12       15       14       15       24       8       Weathered Bedrock       Red Brown f-c SAND, little silt, little c-f gravel, trace clay.       Red Brown medium grained, completely weathered sandstone         40       S-11       50/2"       <	_												
15       S-5       3       1       WOH       1       24       4       Silty Sand       Brown c-f SAND, trace silt.         20       S-6       3       3       4       2       24       6       Brown f-c SAND, trace silt.         20       S-6       3       3       4       2       24       6       Brown f-c SAND, trace silt.         20       S-6       3       5       4       11       24       0       Brown f-c SAND, little silt, trace f gravel.         25       S-7       3       5       4       11       24       0       Brown f-c SAND, little silt, trace f gravel.         30       S-9       6       9       11       21       24       8       Brown f-c SAND, little silt, trace f gravel.         30       S-9       6       9       11       21       24       8       Brown f-c SAND, some (plastic) silt, some clay, trace f gravel.       Red Brown f-c SAND, little silt, little c-f gravel.         30       S-10       12       15       14       15       24       8       Bedrock       Red Brown f-c SAND, little silt, little c-f gravel.         40       S-11       50/1"       1       1       1       1       Bedrock       Red Brown	10-	S-4	8	8	4	3	24	4				RAVEL, and c-f SAN	D, trace
10       0.		51	-	Ĩ		-	- '				silt.		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	_												
$20 - \frac{5 \cdot 6}{5 \cdot 7} = 3 + 2 + 24 + 6$ $25 - \frac{5 \cdot 7}{5 \cdot 8} = 3 + 4 + 11 + 24 + 0 + 17 + 24 + 17 + 1 + 12 + 24 + 17 + 12 + 12 + 24 + 17 + 12 + 12 + 12 + 12 + 12 + 12 + 12$	15-	S-5	3	1	WOH	1	24	4		Silty Sand	Brown c-f SAND	trace silt	
25       S-7       3       5       4       11       24       0         30       S-8       14       9       16       18       24       17       Red Brown f-c SAND, little silt, trace f gravel.         30       S-9       6       9       11       21       24       8       Red Brown f-c SAND, some (plastic) silt, some clay, trace f gravel.         35       S-10       12       15       14       15       24       8       Silty Sand         40       S-11       50/1"       1       1       1       Weathered Bedrock       Red Brown medium grained, completely weathered sandstone         45       S-12       50/2"       2       2       2       Red Brown medium grained, completely weathered sandstone			-										
25       S-7       3       5       4       11       24       0         30       S-8       14       9       16       18       24       17       Red Brown f-c SAND, little silt, trace f gravel.         30       S-9       6       9       11       21       24       8       Red Brown f-c SAND, some (plastic) silt, some clay, trace f gravel.         35       S-10       12       15       14       15       24       8       Silty Sand         40       S-11       50/1"       1       1       1       Weathered Bedrock       Red Brown medium grained, completely weathered sandstone         45       S-12       50/2"       2       2       2       Red Brown medium grained, completely weathered sandstone	_												
25       S-7       3       5       4       11       24       0         30       S-8       14       9       16       18       24       17       Red Brown f-c SAND, little silt, trace f gravel.         30       S-9       6       9       11       21       24       8       Red Brown f-c SAND, some (plastic) silt, some clay, trace f gravel.         35       S-10       12       15       14       15       24       8       Silty Sand         40       S-11       50/1"       1       1       1       Weathered Bedrock       Red Brown medium grained, completely weathered sandstone         45       S-12       50/2"       2       2       2       Red Brown medium grained, completely weathered sandstone	20-	S-6	3	3	4	2	24	6			Brown f-c SAND	little silt_trace f grave	-
S-8       14       9       16       18       24       17       Clayey Silt       Red Brown SILTand CLAY (plastic) trace f-c sand         30       S-9       6       9       11       21       24       8       Silty Sand       Red Brown F-c SAND, some (plastic) silt, some clay, trace f gravel.         35       S-10       12       15       14       15       24       8       Silty Sand       Red Brown f-c SAND, little silt, little c-f gravel, trace clay.         40       S-11       50/1"       1       1       1       Weathered Bedrock       Red Brown medium grained, completely weathered sandstone         45       S-12       50/2"       2       2       2       Red Brown medium grained, completely weathered sandstone         45       S-12       50/2"       2       2       2       Red Brown medium grained, completely weathered sandstone			-		-						Brown Po OAND,		
S-8       14       9       16       18       24       17       Clayey Silt       Red Brown SILTand CLAY (plastic) trace f-c sand         30       S-9       6       9       11       21       24       8       Silty Sand       Red Brown F-c SAND, some (plastic) silt, some clay, trace f gravel.         35       S-10       12       15       14       15       24       8       Silty Sand       Red Brown f-c SAND, little silt, little c-f gravel, trace clay.         40       S-11       50/1"       1       1       1       Weathered Bedrock       Red Brown medium grained, completely weathered sandstone         45       S-12       50/2"       2       2       2       Red Brown medium grained, completely weathered sandstone         45       S-12       50/2"       2       2       2       Red Brown medium grained, completely weathered sandstone	_												
S-8       14       9       16       18       24       17       Clayey Silt       Red Brown SILTand CLAY (plastic) trace f-c sand         30       S-9       6       9       11       21       24       8       Silty Sand       Red Brown F-c SAND, some (plastic) silt, some clay, trace f gravel.         35       S-10       12       15       14       15       24       8       Silty Sand       Red Brown f-c SAND, little silt, little c-f gravel, trace clay.         40       S-11       50/1"       1       1       1       Weathered Bedrock       Red Brown medium grained, completely weathered sandstone         45       S-12       50/2"       2       2       2       Red Brown medium grained, completely weathered sandstone         45       S-12       50/2"       2       2       2       Red Brown medium grained, completely weathered sandstone	25-	S-7	3	5	4	11	24	0			Brown f-c SAND	little silt_trace f grave	el
30       S-9       6       9       11       21       24       8       Red Brown f-c SAND, some (plastic) silt, some clay, trace f gravel.         35       S-10       12       15       14       15       24       8       Red Brown f-c SAND, some (plastic) silt, some clay, trace f gravel.         40       S-11       50/1"       1       1       1       1       Weathered Bedrock       Red Brown medium grained, completely weathered sandstone         45       S-12       50/2"       2       2       2       Red Brown medium grained, completely weathered sandstone			14	q	16	18	24	17		Clayey Silt			
35     S-10     12     15     14     15     24     8     Silty Sand     Red Brown f-c SAND, little silt, little c-f gravel, trace clay.       40     S-11     50/1"     1     1     1     Weathered Bedrock     Red Brown medium grained, completely weathered sandstone       45     S-12     50/2"     2     2     2     Red Brown medium grained, completely weathered sandstone	-	0-0		0	10	10	24	''			sand		
35       S-10       12       15       14       15       24       8       Silty Sand       Red Brown f-c SAND, little silt, little c-f gravel, trace clay.         40       S-11       50/1"       1       1       1       Weathered Bedrock       Red Brown medium grained, completely weathered sandstone         45       S-12       50/2"       2       2       Red Brown medium grained, completely weathered sandstone         45       S-12       50/2"       2       2       Red Brown medium grained, completely         45       S-12       50/2"       2       2       Red Brown medium grained, completely	30-	S-9	6	9	11	21	24	8					ilt, some
35     S-10     12     15     14     15     24     8       40     S-11     50/1"     1     1     1       40     S-11     50/2"     2     2       40     S-12     50/2"     2     2       45     S-12     50/2"     2     2   Red Brown medium grained, completely weathered sandstone Red Brown medium grained, completely Red Brown medium grained, completely	_		-							0.11.	ciay, trace i grave	ei.	
40     S-11     50/1"     1     1     1     Weathered Bedrock     Red Brown medium grained, completely weathered sandstone       45     S-12     50/2"     2     2     Red Brown medium grained, completely weathered sandstone       45     S-12     50/2"     2     2     Red Brown medium grained, completely weathered sandstone	_									Silty Sand			
40     S-11     50/1"     1     1     Weathered Bedrock     Red Brown medium grained, completely weathered sandstone       45     S-12     50/2"     2     2     Red Brown medium grained, completely weathered sandstone       45     S-12     50/2"     2     2     Red Brown medium grained, completely weathered sandstone	35-	S-10	12	15	14	15	24	8				AND, little silt, little c-f	gravel,
40       S-11       50/1"       1       1       1       Bedrock       Red Brown medium grained, completely weathered sandstone         45       S-12       50/2"       2       2       2       Red Brown medium grained, completely weathered sandstone         45       S-12       50/2"       2       2       Red Brown medium grained, completely weathered sandstone         45       S-12       50/2"       2       2       Red Brown medium grained, completely         45       S-12       50/2"       2       2       Red Brown medium grained, completely			1								liace clay.		
40     S-11     Solvent     1     1     1     weathered sandstone       45     S-12     50/2"     2     2     Red Brown medium grained, completely weathered sandstone       45     S-12     50/2"     2     2     Red Brown medium grained, completely	_		50/1"				1	1			Red Brown medi	um grained, complete	elv
45 S-12 weathered sandstone 45 S-12 S-12 Solver 45 Solver 50/2" 2 2 Red Brown medium grained, completely	40-	S-11	) 30/1				'	'					
45 S-12 Solve 2 2 weathered sandstone Red Brown medium grained, completely	_												
45 S-12 Solver 2 2 weathered sandstone Red Brown medium grained, completely	_		50/2"				2	2					ely
	45—	S-12	/ 30/2				2						_
	_												
50 5-13 5-13	_	0.40	50/2"				2	2			Red Brown medi	um grained, complete	ely
	50—	5-13	Λ	- T		0 - 0					Indiature of Dista		Tect
Sample Type: S = Split Spoon C = Core UP = Undisturbed Piston V = Vane Shear Test Propertience Lead: Trace = $1 - 10\%$ Little = $10 - 20\%$ Some = $20 - 25\%$ And = $25 - 50\%$			•				• •						
Proportions Used: Trace = 1 - 10%, Little = 10 - 20%, Some = 20 - 35%, And = 35 - 50%				uon	s Use	u: I							1
	Total P	enetratio	on in										She
Earth: 54ft Rock: 10ft subbase		54ft			ť		subl	base					
No. of No. of Rollerbit through cobbles from 8-9' and 28-29' and 32-34', and 44-49' SM-001		mples <sup>.</sup> '			Runs: 2	)	Roll	erbit th	nrough	cobbles from 8	8-9' and 28-29' and 3	32-34', and 44-49'	SM-001-M
		npico.		r	.uno. Z	•							5101-001-101

			SIGNATURE/ BLOCK:	
DESIGNER/DRAFTER:	CHECKED BY:			

Driller:	В	. Perry	C	onne	cticu	it DOT Bor	ing Report	Hole No.: B-646-1	
nspect	or: L	. Arno/ M Shuler	Town:		South	ington, Conne	ecticut	Stat./Offset:	
Engine	er: R	ob Pion	Project	No.:	0131-	0190		Northing: 766380	
Start Da	ate: 6	-23-20	Route N	lo.:	10			Easting: 961501	
-inish [	Date: 6	-24-20	Bridge I	No.:	00646	6		Surface Elevation: 143.6	
Project	Descript	ion: Bridge 646 Re	placeme	ent					
Casing	Size/Typ	e: 3" HFJ	Sample	r Type	/Size <sup>.</sup>	2"SS		Core Barrel Type: NX	
lamme		Fall: in.	Hamme			Fall: 30in.			
		oservations: @41							
		SAMPLE							
Depth (ft)	Sample Type/No.	Blows on Sampler per 6 inches	Pen. (in.)	Rec. (in.)	RQD %	Generalized Strata Description	Ma	aterial Description and Notes	Elevation (ft)
50_						Weathered	weathered sands	stone	
_						Bedrock (con't)			-
	S-14	50/0	0	0		Bedrock	Red Brown med weathered sands	ium grained, completely	90
55—			60	54	100	Bedrook		se grained, medium bedded,	_
_	C-1		00	54	100			, slightly weathered sandstone n/ft: 3.0, 3.0, 2.5, 3.5, 3.0	
								11/11. 5.0, 5.0, 2.5, 5.5, 5.0	-85
60 —	C-2		60	42.5	71			se grained, medium bedded,	-
_	0-2		00	42.5				, slightly weathered sandstoone n/ft: 2.5, 3.5, 3.5, 4.0, 4.0	-
AF -									80
65_							END OF BORIN	G 64ft	_
_									_
									75
70_									_
_									
									_70
75_									_
_									
_									65
80									_
									F
									60
85—									$\vdash$
									F
									55
90-									$\vdash$
									F
~ -									50
95—									$\vdash$
									F
									45
100			• •					o V = Vane Shear Test - 35%, And = 35 - 50%	1
otal P	enetratio	·					nsits of 8" of bitum	-	neet
			pav	ement					of 2
arth: { o. of	J41(	Rock: 10ft No. of		base erbit th	rough	cobbles from 9	9' and 28_20' and	32-34', and 44-49'	
	mples: 1		Rul	endit til	lough		- 3 and 20-29 and	SM-001-N	







Driller:	-	3. Perry // Shule		A rot		own:			hington, Conn	ring Report	Hole No.: B Stat./Offset:	-646-4	
Inspecto				Arzı			NI			CC 4 2 0			
Engine						Project			-0190		0	66429	
	Start Date: 6-24-20					Route N		10				61469	
Finish D						ridge I		0064	6		Surface Elevation	on: 144.4	
Project	Descrip	tion: E	sridg	e 646	Repla	aceme	ent						
Casing	Size/Ty	pe: 3"	HFJ,	Spu	n S	ample	r Type	/Size:	2"SS		Core Barrel Typ	e: NX	
Hamme	r Wt.:		Fall:	in.	H	lamme	r Wt.:	140	Fall: 30in.				
Ground	water O	bservat	ions:	@2	23.083	3 afte	er 0 h	ours,	@22 after 24	4+ hours			
		_		SAM	PLES				_ ס _				
(F)	. o		DI				<u> </u>		Generalized Strata Description	N/	aterial Descriptic	20	
Depth (ft)	Sample Type/No.			vs or npler	-	Pen. (in.)	Rec. (in.)	% (	era ta crip		and Notes		
bep	ype	р		inche		en	Sec	RQD	Sen Stra				
	ω⊢							Ľ.	000				$\downarrow$
									Pavement				1
	S-1	14	21	19	22	24	7		Stucture	<ul> <li>Dark Brown c-f ( silt (subbase).</li> </ul>	GRAVEL, some c-	t sand, trace	
	S-2	2	16	40	20	24	12		Gravelly Sand		AND and c-f GRA	VEL trace silt	F
5-													
									Silty Sand				$\left  \right $
10	S-3	7	11	7	3	24	2			Brown c-f SAND	, trace silt.		F
10													F
									0	4			$\left  \right $
45	S-4	1	1	1	17	24	9		Gravelly Sand	Brown c-f SAND	, trace gravel, trac	ce silt.	
15—									Curra				ł
													$\left  \right $
	S-5	7	9	10	11	24	10			Black Brown c-f	GRAVEL, some c	-f sand, trace	
20-										ont.			
													╞
-	S-6	9	8	5	4	24	6			Brown c-f SAND (strong voc odor	, some c-f gravel,	trace silt	
25											)-		
													+
20	S-7	14	15	25	26	24	.5			Brown piece m (	GRAVEL.		F
30-	S-8	40	46	41	53/5	23	7			Red Brown c-f S	AND, some m-f gi	ravel, trace silt.	ł
		-											$\left  \right $
35-		-							Weathered	Red Brown med	ium grained, medi	ium bedded.	
35-	C-1					60	57	55	Bedrock	moderately fract	ured, moderately		ł
		20/1				1	1			sandstone Core times in mi	n/ft: 2.5, 3.5, 3.0,	5.0. 3.5	$\left  \right $
40-	S-9	1					·			Red Brown c-f S	AND, trace silt.		F
40-	C-2					54	41	43			ium grained, medi tured, highly weat		F
	0.45						10			sandstone			╞
45-	S-10	11	20	50/2		14	12				n/ft: 4.0, 2.5, 3.0, 1 ium grained, medi		F
49-	C-3					60	59	74		moderaterly frac	tured, highly weat		þ
	0-5					00	59	14		sandstone Core times in mi	n/ft: 4.0, 2.5, 3.0, 3	2.0.15	╞
50-		50/5				5	5				ium grained, medi		_
50-		Samp	le Tv	/pe:	S = S	plit Sr	boon	C = 0	Core UP = U	ndisturbed Pistor	V = Vane She	ear Test	_
			-			• •				0%, Some = 20			
Total Pe	notrativ						TES:	,			, <b>v</b>	She	
			25	04			L0.					1 of	
Earth: 3 No. of	ກວ.ວπ	Rock:	25. 0. of	ฮเเ		_							
Soil Sar	nples:			uns:	5							SM-001-M	RE
												i	

SIGNATURE/ BLOCK: CHECKED BY:

DESIGNER/DRAFTER:

LASTED SAVED BY: ECofrancesco FILE NAME: J:\DWG\P2005\1059\B52\0131-0190\Bridge\Contract\_Plans\SB\_CP\_Br00646\_0131-0190\_BOR2.dgn PLOTTED DATE: 1/21/2022

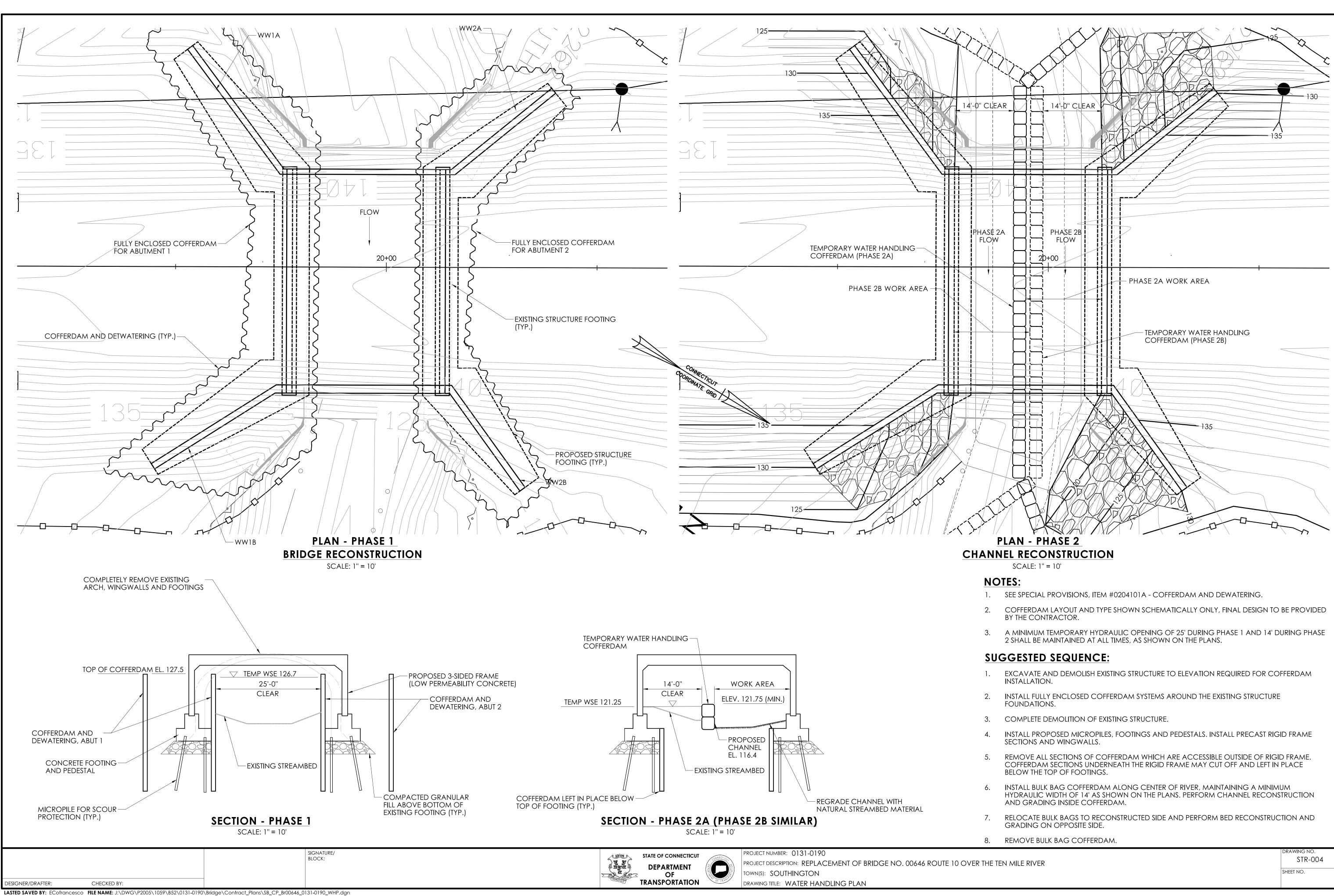
				<u> </u>		otio		
Driller:		. Perry			onne			
Inspect		Shuler/G. Arzt		own:		Southington,		
Engine		ob Pion		roject l				
		-24-20	oute N		10	•		
Finish I		-25-20	ridge N		0064	0		
		ion: Bridge 646						
		e: 3" HFJ, Spu		amplei				
Hamme		Fall: in.		amme			Fall:	
Ground	dwater Ob	oservations: @2		3 afte	er 0 h	ours,	@22 a	
		SAMI	PLES				ed	
(ft)	e o	Blows on		<u>п</u> .)	<u>(</u> .п	<i>°</i>	Generalized Strata	
Depth (ft)	Sample Type/No.	Sampler		Pen. (in.)	Rec. (in.)	RQD %	ner	
De	Sa	per 6 inche	es	Ре	Re	RO	Str Ge	
50-	S-11 /						Weathe	
	C-4			60	54	81	Bedroc	
	-						(con't)	
55-	S-12	13 50/2		8	13			
-	C-5			60	60	100	Bedroc	
	-						Deuloc	
60-	-							
-	-							
	-							
65-	-							
	_							
-	-							
70-	-							
	-							
75-								
'5-	-							
_	-							
80-	-							
-	-							
85-	-							
	-							
90-	-							
_	-							
	-							
95-	_							
-	-							
	-							
100-		Sample Tures	<b>6 - 6</b>	olit Sr		c - c		
		Sample Type: Proportions Use		•				
Total P	enetratio	n in		NOT	ES:			
Earth:	33.5ft	Rock: 25.9ft						
No. of		No. of	~	1				
Soil Sa	mples: 1	2 Core Runs:	5					







T Bori	ing Report		D C 4 C	· /	
	<u> </u>	Hole No.: Stat./Offset:	B-646	)-4	
, Conne	ecticut	Northing:	76642	20	
		Easting:	96146		
		Surface Eleva			
		Core Barrel T	vne: N	Y	
: 30in.			ype. N	^	
	+ hours				
Strata Description	Ma	terial Descrip and Notes	tion		Elevation (ft)
ered ck	slightly fractured, Core times in min Red Brown mediu slightly fractured, Red Brown coars slightly fractured, Core times in min	/ft: 2.0, 2.0, 2.0 um grained, me highly weathe e grained, mas highly weathe	0, 2.5, 2 edium b red san ssive be red san	2.5 edded, dstone edded, dstone.	  90 
ck	Red Brown coars	e grained, mas	ssive be	edded,	
	slightly fractured, Red Brown coars unfractured, sligh Core times in min	e grained, mag tly weathered	edded, one		
	END OF BORING	6 59.42ft			  75
					70 
					65
					 60
					55 
					50
					_ _  45
	ndisturbed Piston %, Some = 20 -				J <b>T</b> J
				Shee 2 of	
				SM-001-M R	EV. 1/02



**PLOTTED DATE:** 1/21/2022