ADDENDUM NO. 1

TO

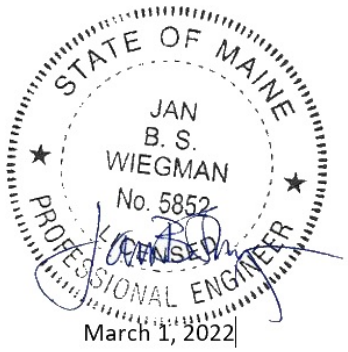
BIDDING AND CONTRACT REQUIREMENTS AND SPECIFICATIONS

FOR THE

WHIPPLE ROAD SIDEWALK PROJECT

WP PROJECT NO. 12423A

3/1/2022



PREPARED BY:

WRIGHT-PIERCE

11 BOWDOIN MILL ISLAND, SUITE 140
TOPSHAM, ME 04086
207.725.8721 | WWW.WRIGHT-PIERCE.COM

WHIPPLE ROAD SIDEWALK PROJECT

ADDENDUM NO. 1

WP PROJECT NO. 12423A

As a point of clarification, it should be understood that the Contract Documents govern all aspects of the project. All official changes to the Contract Documents are made only by addenda. The following changes and additional information are hereby made a part of the Contract Documents:

SPECIFICATIONS

- Specification Section Special Provision 603: **DELETE** in its entirety. Refer to MDOT Standard Specifications Section 605 Underdrain for installation of all storm drain.
- **ADD** Specification Section Special Provision 108 for asphalt escalation.
- Specification Section Whipple Road Sidewalk Project Notice to Contractors: **REPLACE** "March 10th, 2022" with "March 17th, 2022". The bid receipt date has been extended by one week.

DRAWINGS

- Drawings C-09, C-26, and C-27: **DELETE** references to removing and resetting cobble pavers. Fill limits have been reduced to avoid the cobble pavers. See attached Figures 1, 3, and 4.
- Drawing C-10: **ADD** "TO BE FURNISHED AND INSTALLED BY OWNER" after "INSTALL REGULATORY SIGN STA 35+92+/- - MUTCD R4-11 'Bikes MAY USE FULL LANE'". See attached Figure 2.
- Drawing C-31: **REPLACE** all references to Type B Aggregate with Type D Aggregate. See attached Figures 5, 6, 7, and 8.

QUESTIONS AND ANSWERS

Questions from the Contractors received bidders:

1) Q: Please clarify what the 12" & 15" storm drain pipes are to be bedded and backfilled with.
   A: Special Provision 603 has been removed in its entirety. Please disregard and refer to MDOT Standard Specifications Section 605 Underdrain for bedding and backfill requirements.

2) Q: The 603 Special Provision call out a screened stone to be placed from 6" below the pipe up to the gravel subbase layer, is this correct?
   A: Special Provision 603 has been removed in its entirety. Please disregard and refer to Special Provision 605: Underdrain for bedding and backfill requirements.

3) Q: I see the ledge depth has been added to the plan profiles. Is it possible to get the actual boring log? How were the ledge quantities arrived at?

A: See attached boring logs from East Coast Excavation.

4) Q: Is blasting going to be allowed as a means of ledge removal?

A: Blasting will not be allowed as a means of ledge removal. The trench is in close proximity to other utilities and the effects of blasting on neighboring homes is a concern.

5) Q: In the proposal book there is a contractor experience. Does this have to be submitted with the bid? In the Notice To Contractors a MDOT Prequalification is required prior to award of project so is the experience statement really necessary?

A: Yes, submission of contractor experience is required with the bid for evaluation by the Owner and Engineer.

6) Q: Please clarify which documents are required to be submitted with the bid?

A: The following documents must be submitted with the bid:

a) Copy of Notice to Contractors
b) Completed Acknowledgement of Bid Amendments form
c) Completed Schedule of Items
d) Two copies of the completed and signed Contract Agreement, Offer & Award form
e) Bid Guaranty
f) Certifications
g) DBE Proposed Utilization Form

7) Q: Please confirm that any limbs that need to be trimmed shall be done so by the respective utilities?

A: Tree removal or trimming that is required for overhead utilities will be performed by the respective utility company. The Contractor is responsible for all other tree removal and trimming necessary to construct the sidewalk. Limbs to be trimmed shall be field verified by Resident Project Engineer or Town prior to removal.

8) Q: Between houses 191/195 there is a driveway with cobbles that are to be reset. How is this work being paid for?

A: The removal and resetting of pavers has been removed from the project. See revised Sheet C-9 for changes in plan view and revised Sheets C-26 and C-27 for changes to cross-sections. Contractor to match to existing grade at the edge of the pavers instead of removing and resetting.

9) Q: There is a sign called out to be installed at Station 35+92 Lt +/-. How is this work being paid for?

A: Furnishing and installing this sign has been removed from the scope of work and will be performed by the Owner.

10) Q: Are there any flat tops required for the A1-C catch basins?
A: Flat tops will be required for at least CB-4, DMH-1, CB-14, CB-15, CB-16, CB-17. CB-18, CB-21. However, Contractor to confirm and determine if any additional structures require flat tops prior to construction.

11) Q: There are crosswalks called out on the plans but no pay item for them. How will this work be paid for?
A: The 12" solid white marking line pay item is for crosswalk striping.

12) Q: Please clarify where 627.18 12" SOLID WHITE MARKING LINE is to be used?
A: The 12" solid white marking line pay item is for crosswalk striping.

13) Q: Will asphalt escalation be allowed since this is essentially a MDOT project?
A: Asphalt escalation will be allowed. See attached Special Provision 108.

14) Q: The sidewalk details on Sheet C-31 call out Type B aggregate base but there is only a pay item for Type D gravel. Please clarify which gravel type is to be used and how it will be paid for?
A: All aggregates shall be Type D.

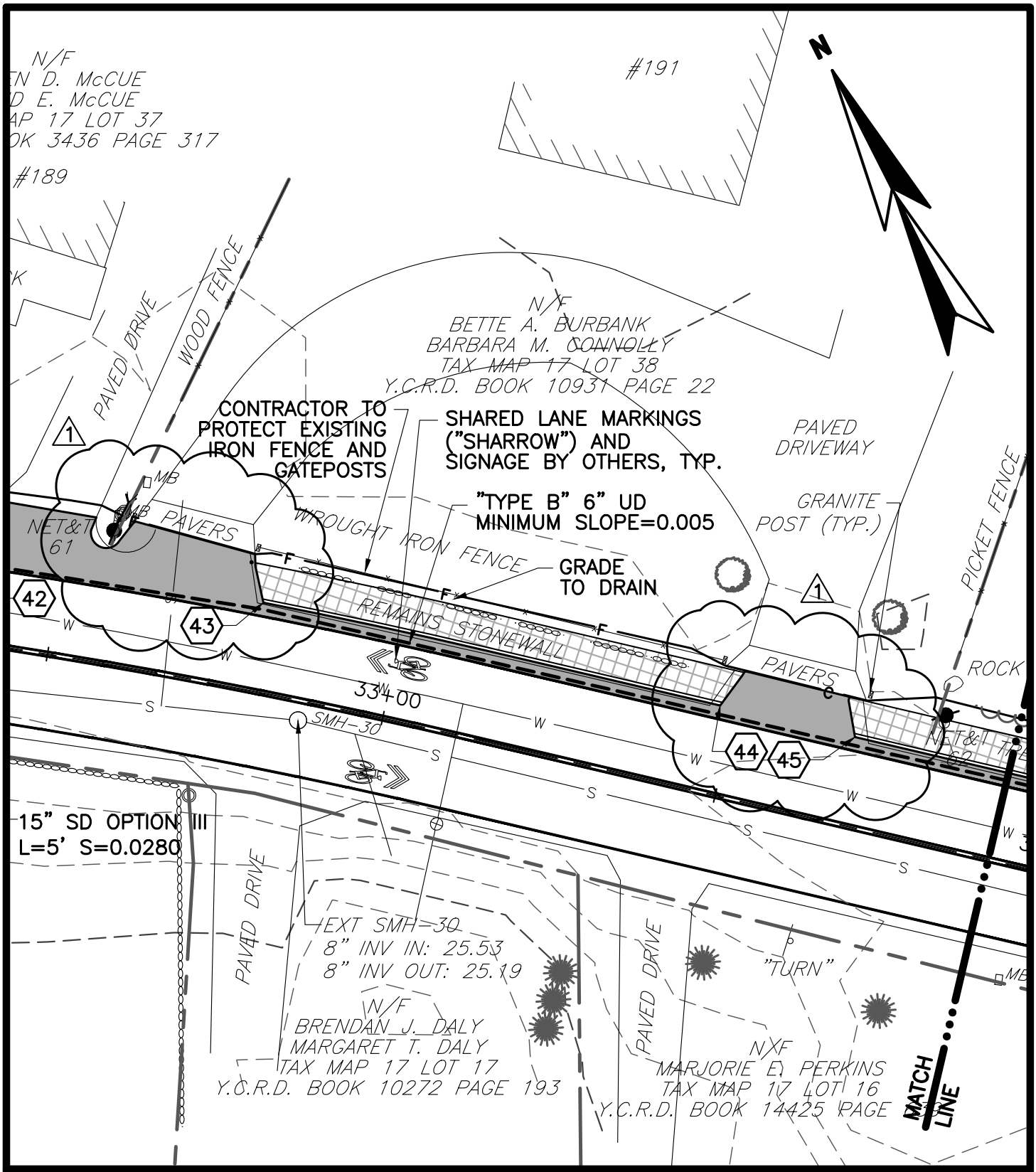
15) Q: Would you please mark the 3 trees that are to be taken down so they may be located and properly priced for removal?
A: The trees to be removed are marked on Sheets C-3 and C-4. One tree is at approximately Sta. 13+00, while the two others are at Sta. 24+50.

16) Q: On the plans (Sheet C-07), there is a note that calls for curb ramp detectable warning fields (Item 608.26) at all drives/crosswalks/sidewalk transition ends. Is this correct or are they only going to be installed at the 5 locations as shown on the plans?
A: Curb detectable warning devices are only required at road crossings with crosswalks and are shown on the plans. Ramps in other locations should be ADA accessible, but do not require detectible warning devices.

END OF ADDENDUM NO. 1

Attachments Follow:

Attachment 1 - Figures
Attachment 2 - Boring Logs
Attachment 3 - Special Provision 108 (Asphalt Escalation)



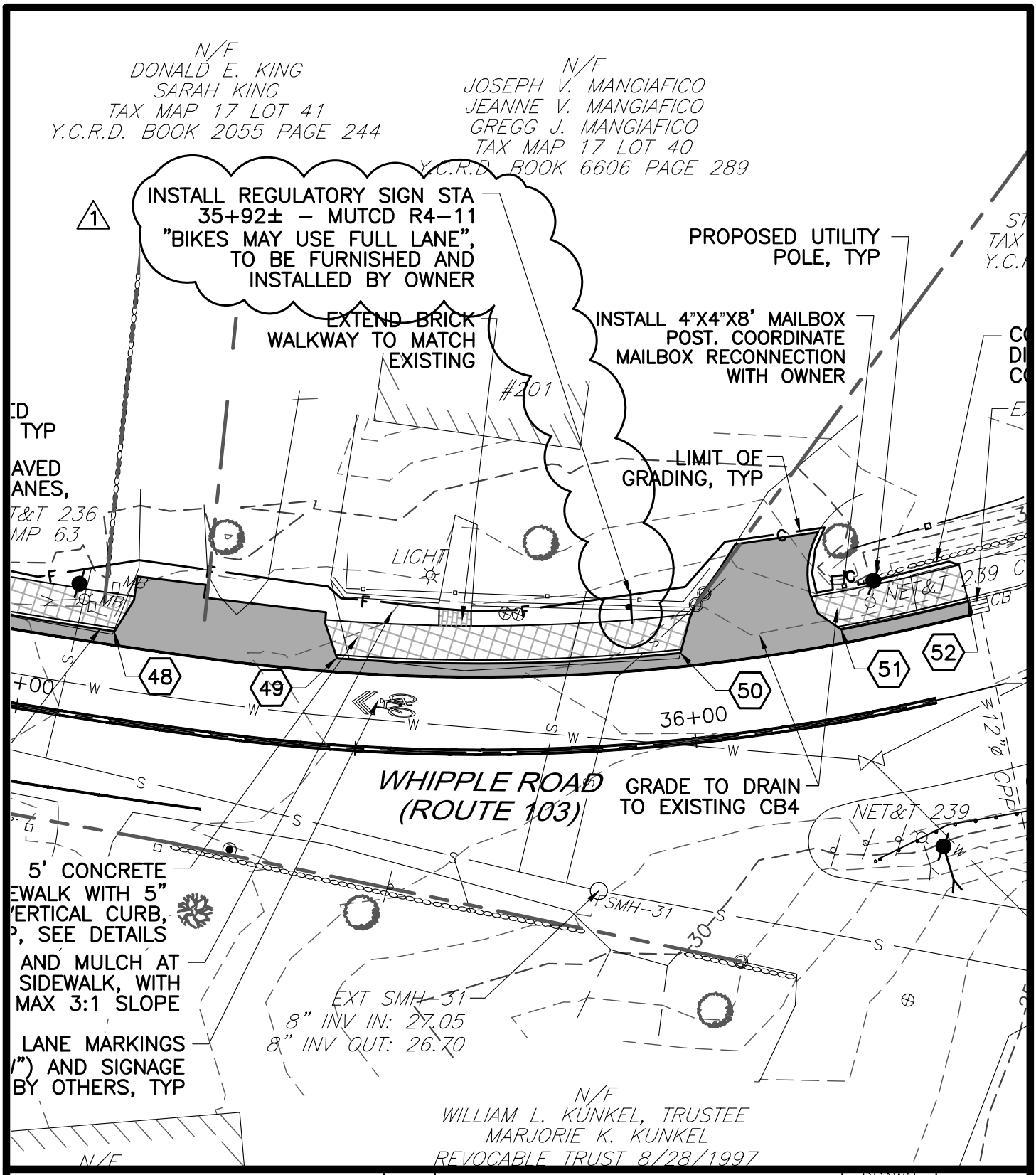
TOWN OF KITTERY WHIPPLE ROAD SIDEWALK PROJECT KITTERY, MAINE	NO.	REVISIONS	DRAWN BY	APP'D
	1			
	2			
PROJ NO: 12423 DATE: FEBRUARY 2022	3			

WRIGHT-PIERCE

ADDENDUM NO. 1

REFERENCE: DWG C-09

FIGURE: 1



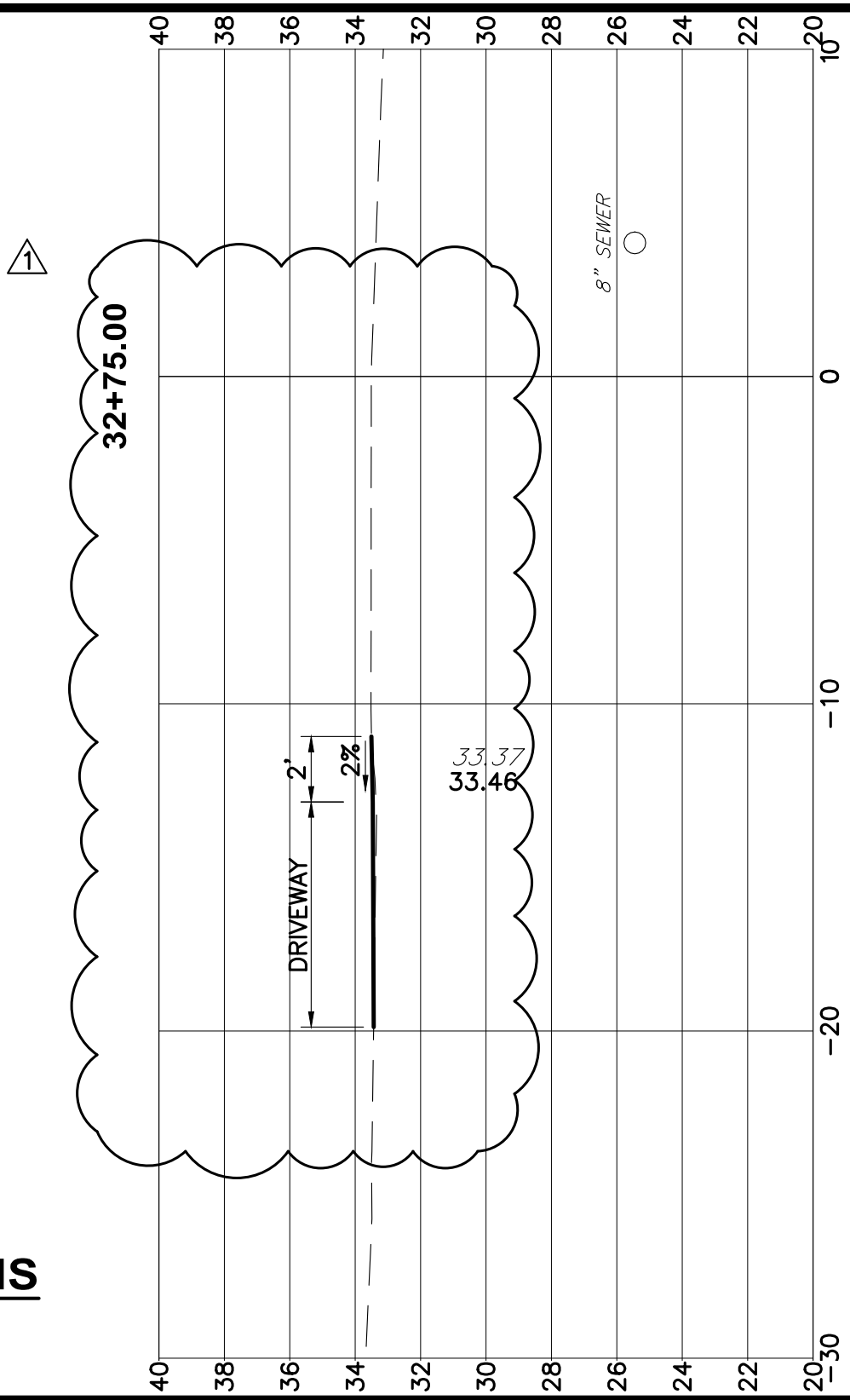
TOWN OF KITTERY WHIPPLE ROAD SIDEWALK PROJECT KITTERY, MAINE	NO.	REVISIONS	DRAWN BY	APP'D
	1			
	2			
PROJ NO: 12423 DATE: FEBRUARY 2022	3			

WRIGHT-PIERCE

ADDENDUM NO. 1

REFERENCE: DWG C–10

FIGURE: **2**



X-SECTIONS

SCALE
VERT: 1"=5'
HORIZ: 1'−5"

TOWN OF KITTERY
WHIPPLE ROAD SIDEWALK PROJECT
KITTERY, MAINE

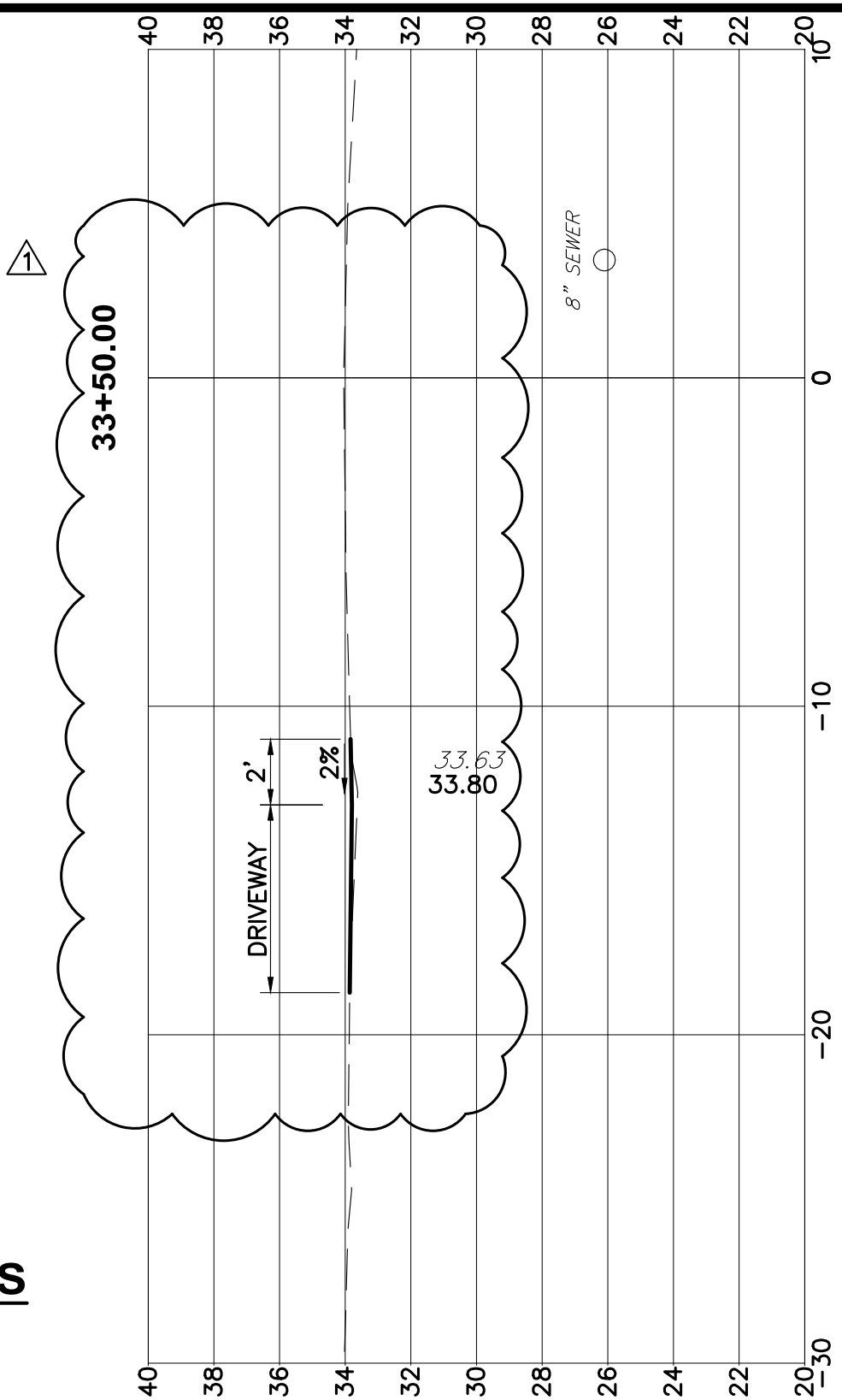
PROJ NO: 12423
DATE: FEBRUARY 2022

NO.	REVISIONS	DRAWN BY	APP'D
1			
2			
3			

WRIGHT-PIERCE

ADDENDUM NO. 1
REFERENCE: DWG C−26

FIGURE: 3



X-SECTIONS

SCALE
VERT: 1"=5'
HORIZ: 1'−5"

TOWN OF KITTERY
WHIPPLE ROAD SIDEWALK PROJECT
KITTERY, MAINE

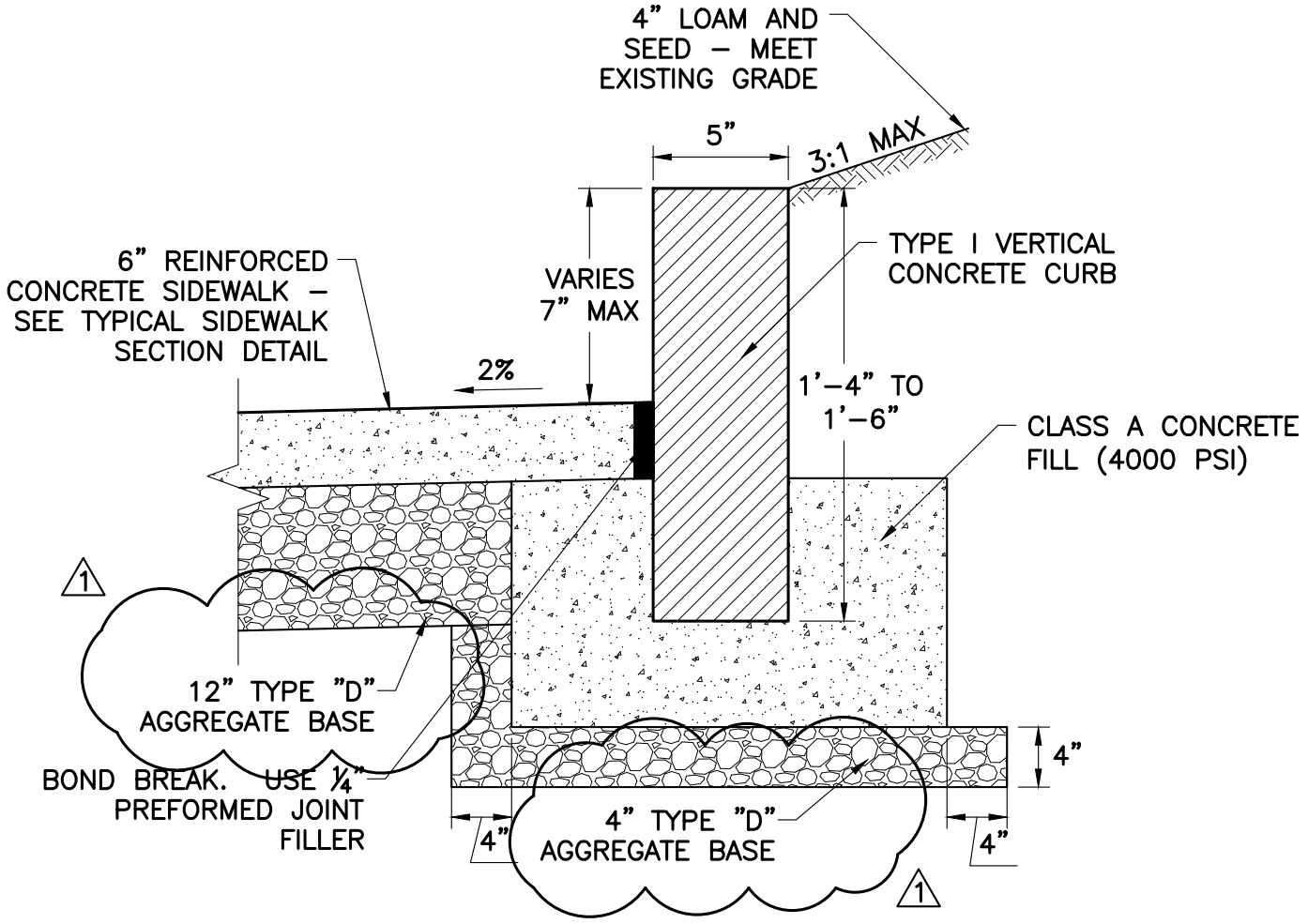
PROJ NO: 12423
DATE: FEBRUARY 2022

NO.	REVISIONS	DRAWN BY	APP'D
1			
2			
3			

WRIGHT-PIERCE

ADDENDUM NO. 1
REFERENCE: DWG C−27

FIGURE: 4



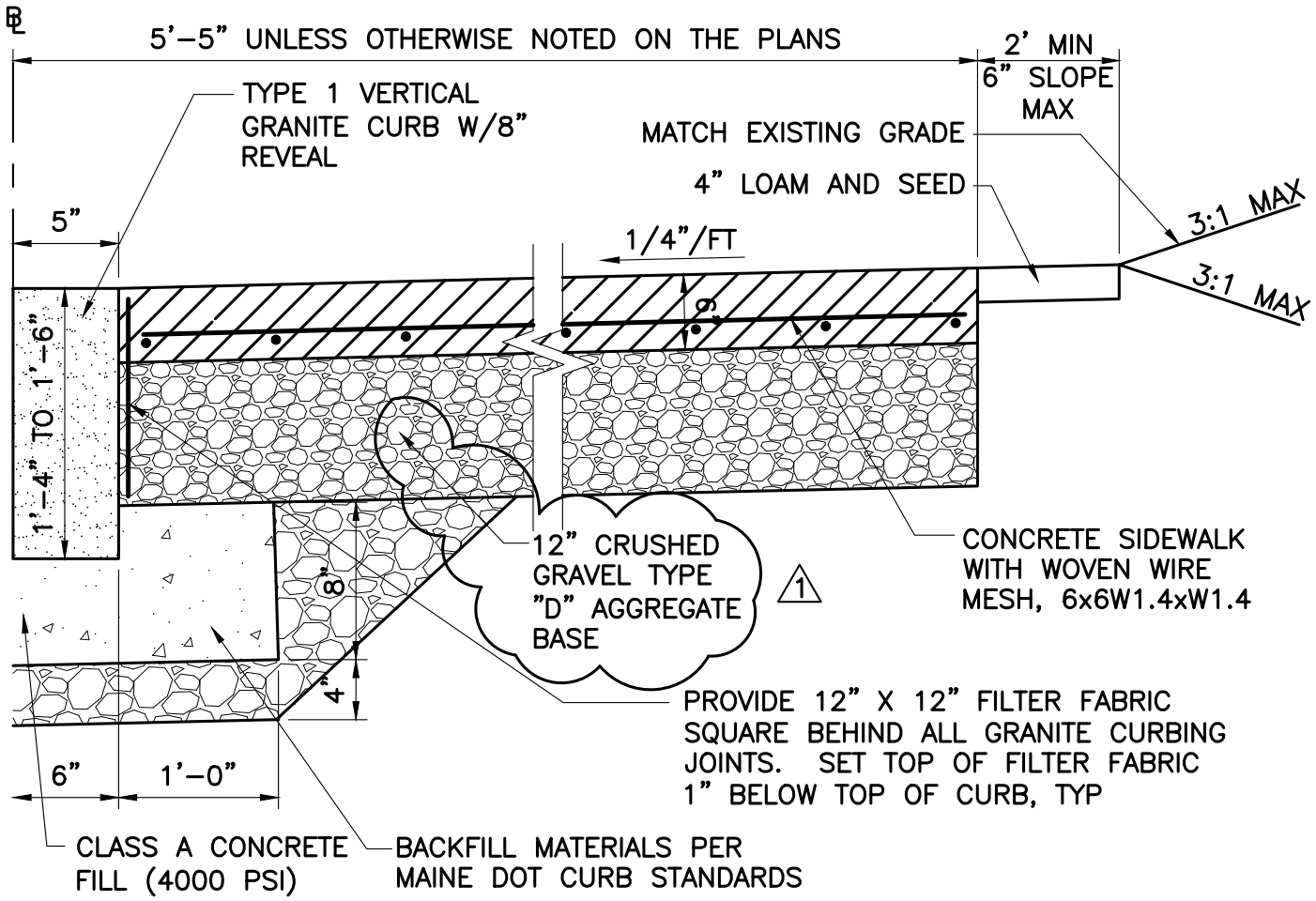
VERTICAL CONCRETE CURB WALL DETAIL

NTS

CONCRETE FILL NOTE:

A. CONCRETE FILL MIX PROPERTIES SHALL BE PROPORTIONED TO A MINIMUM STRENGTH OF 4,000 PSI AT 28 DAYS.

TOWN OF KITTERY WHIPPLE ROAD SIDEWALK PROJECT KITTERY, MAINE		NO.	REVISIONS	DRAWN BY	APP'D
		1			
		2			
PROJ NO: 12423	DATE: FEBRUARY 2022	3			
WRIGHT-PIERCE		ADDENDUM NO. 1 REFERENCE: DWG C–31			FIGURE: 5



NOTES:

A. CONCRETE FILL MIX PROPERTIES SHALL BE PROPORTIONED TO A MINIMUM STRENGTH OF 4000 PSI AT 28 DAYS.

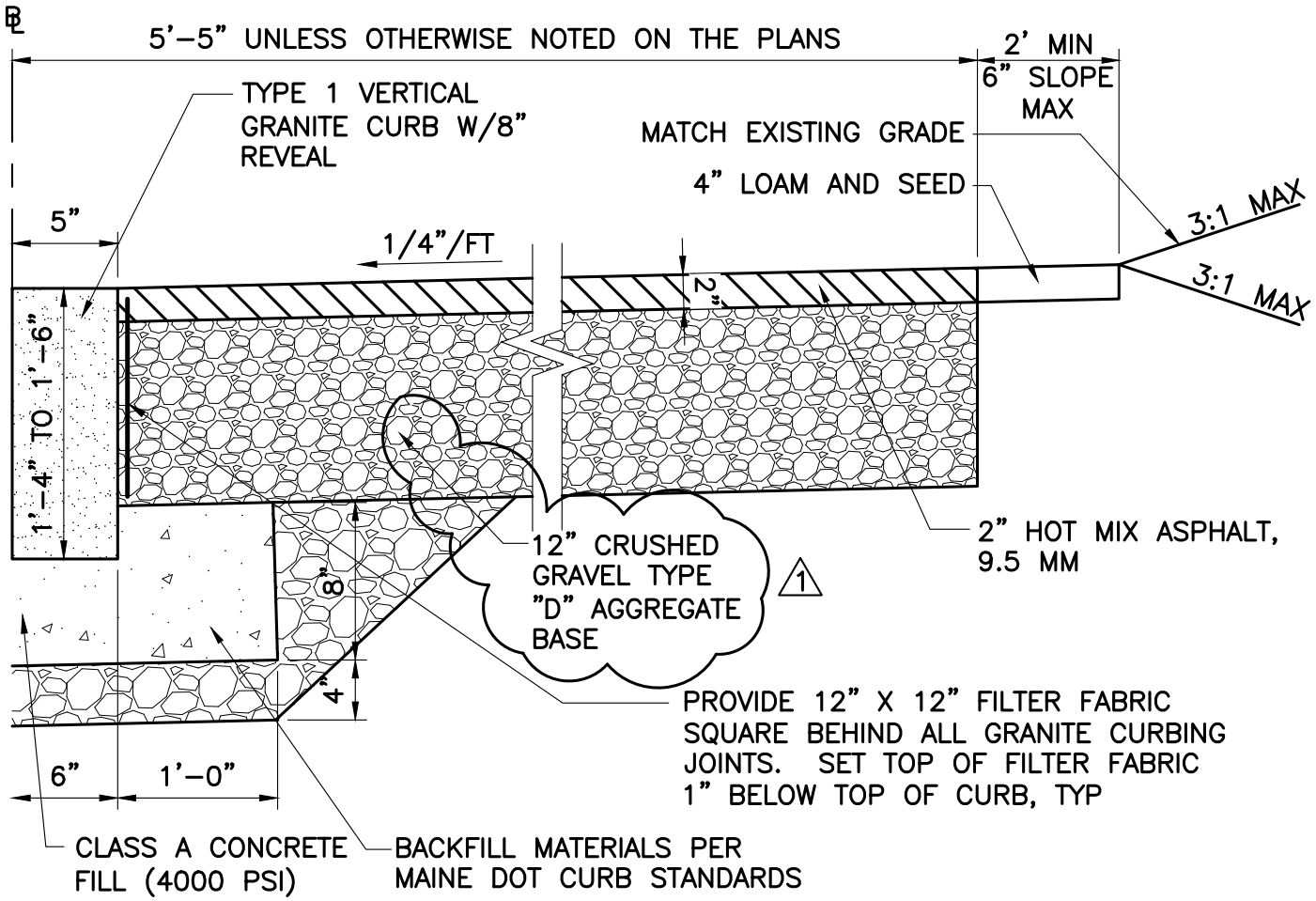
B. 2 FT SHOULDER – SLOPED TO DRAIN MATCH EXISTING ROAD GRADE – CONTRACTOR SHALL TAKE SPECIAL CARE NOT TO CREATE DEPRESSIONS IN PAVEMENT THAT RESULT IN PUDDLING.

C. SEE SP 403 FOR PAVEMENT TYPES.

TYPICAL SIDEWALK SECTION

NTS

TOWN OF KITTERY **WHIPPLE ROAD SIDEWALK PROJECT** **KITTERY, MAINE**	NO.	REVISIONS	DRAWN BY	APP'D
	1			
	2			
PROJ NO: 12423 DATE: FEBRUARY 2022	3			
WRIGHT-PIERCE	**ADDENDUM NO. 1** REFERENCE: DWG C–31			FIGURE: **6**



NOTES:

A. CONCRETE FILL MIX PROPERTIES SHALL BE PROPORTIONED TO A MINIMUM STRENGTH OF 4000 PSI AT 28 DAYS.

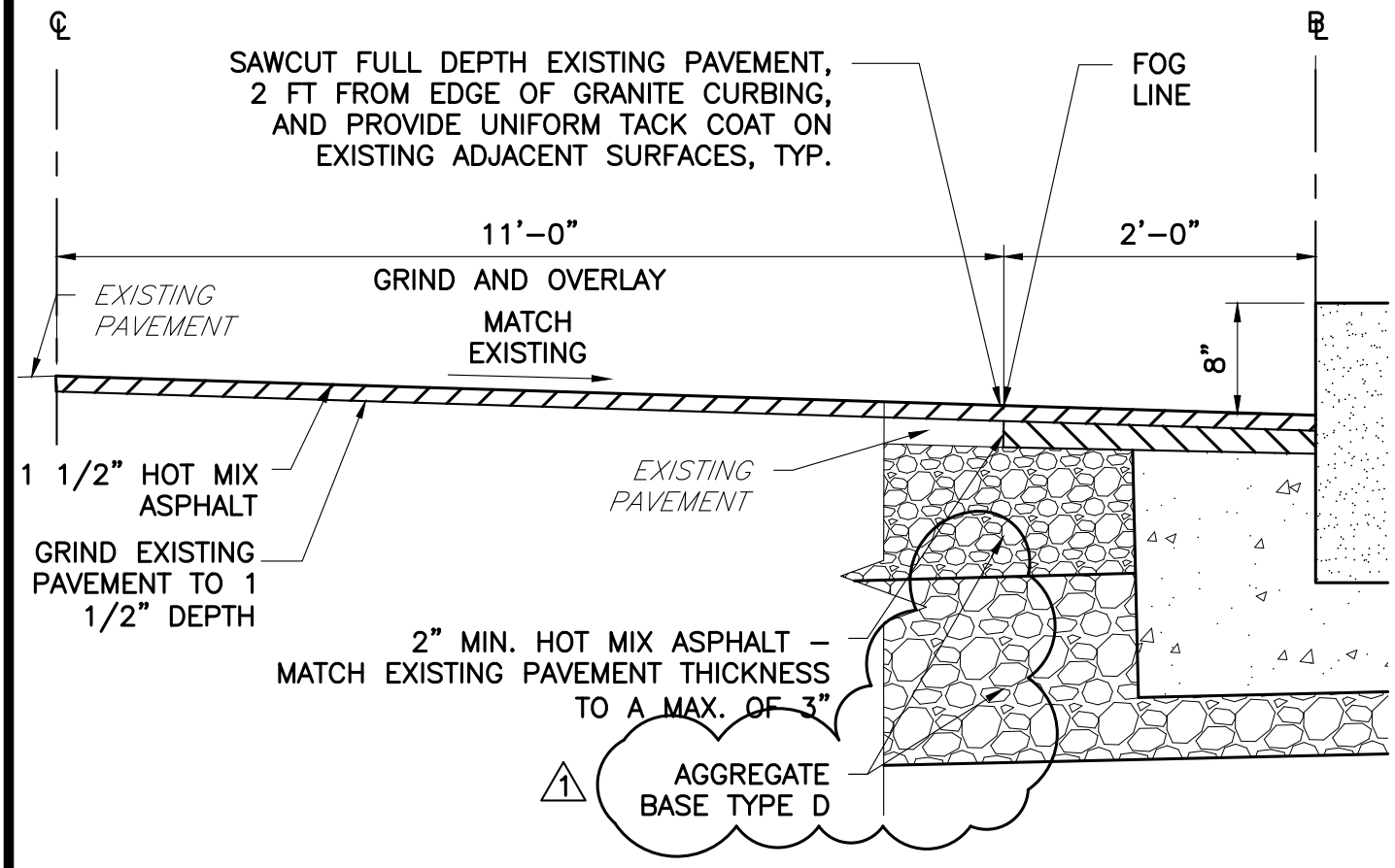
B. 2 FT SHOULDER – SLOPED TO DRAIN MATCH EXISTING ROAD GRADE – CONTRACTOR SHALL TAKE SPECIAL CARE NOT TO CREATE DEPRESSIONS IN PAVEMENT THAT RESULT IN PUDDLING.

C. SEE SP 403 FOR PAVEMENT TYPES.

SIDEWALK SECTION - ALTERNATE

NTS

TOWN OF KITTERY WHIPPLE ROAD SIDEWALK PROJECT KITTERY, MAINE	NO.	REVISIONS	DRAWN BY	APP'D
	1			
	2			
PROJ NO: 12423 DATE: FEBRUARY 2022	3			
WRIGHT-PIERCE	ADDENDUM NO. 1 REFERENCE: DWG C–31			FIGURE: 7



FULL LANE MILL AND FILL
STA: 13+43.82 TO STA: 19+15.66,
STA: 22+74.39 TO STA: 25+00, &
STA: 27+56.06 TO STA: 32+29.12

ROADWAY MILL AND FILL DETAIL

NTS

TOWN OF KITTERY WHIPPLE ROAD SIDEWALK PROJECT KITTERY, MAINE	NO.	REVISIONS	DRAWN BY	APP'D
	1			
	2			
PROJ NO: 12423 DATE: FEBRUARY 2022	3			
WRIGHT-PIERCE	ADDENDUM NO. 1 REFERENCE: DWG C–31			FIGURE: 8

East Coast Explorations

16 Maple Street
Hallowell, Maine 04347
Telephone: (207) 623-4358
Fax: 1-(775) 307-9002

SHEET 1 OF 1
DATE 5-17-2012
HOLE NO. B-1
LINE & STA._____
OFFSET_____
SURF. ELEV._____

TO Wright Pierce / Town of Kittery ADDRESS 99 Main Street Topsham, ME
PROJECT NAME Whipple Road Route 103 LOCATION Kittery, Maine
REPORT SENT TO Jennifer Claster / Mary Ann Conroy P O NO. 25030
SAMPLES SENT TO n/a OUR JOB NO. J 12-08

GROUND WATER OBSERVATIONS

At Dry During drilling Hours

At _____ after _____Hours

	AUGERS	SAMPLER	CORE BAR.
Type	Probe	split spoon	
Size I.D.	Probe- 3”	None	
Hammer Wt.	300lbs	140lbs	BIT
Hammer Fall	30”	30”	

	Date	Time
START		
COMPLETE		
TOTAL HRS.:		

BORING FOREMAN Christopher Palmer
INSPECTOR _None_____
SOILS ENGR. Jennifer Claster

LOCATION OF BORING: See map attached for locations on the North side of Whipple between Wyman and a little beyond Newsom

DEPTH	Casing Blows per foot	Sample Depths From - To	TYPE	Blows per 6” on Sampler From To 0-6	6-12	12-18	Moisture Density of Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, type of soil, etc. Rock-color, type condition, hardness, Drilling time, seams and etc.	SAMPLE #	Pen.	Rec.
									2” Pavement			
									Light brown Gravel Fill			
								3.0’	……..			
									Olive brown SILT & CLAY			
								7’	BOB @ 7’ Auger Refusal / Probable Bedrock			
									NO Samples taken- Drillers observations.			

GROUND SURFACE TO 7’ USED 3” Probe AUGERS: THEN Back fill with soil and Cold Patch .

Sample Type
D=Dry C=Cored W=Washed
UP=Undisturbed Piston
TP=Test Pit A=Auger V=Vane Test
UT=Undisturbed Thinwall

Proportions Used
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

140 lb Wt. x 30” fall on 2” OD Sampler

Cohesionless Density
0-10 Loose
10-30 Med. Dense
30-50 Dense
50 + Very Dense

Cohesive Consistency
0-4 Soft 30 + Hard
4-8 M/Stiff
8-15 Stiff
15-30 V-Stiff

SUMMARY
Earth Boring 7’
Rock Coring none
Samples None taken

HOLE NO. B-1

East Coast Explorations

16 Maple Street
Hallowell, Maine 04347
Telephone: (207) 623-4358
Fax: 1-(775) 307-9002

SHEET 1 OF 1
DATE 5-17-2012
HOLE NO. B-2
LINE & STA._____
OFFSET_____
SURF. ELEV._____

TO Wright Pierce / Town of Kittery ADDRESS 99 Main Street Topsham, ME
PROJECT NAME Whipple Road Route 103 LOCATION Kittery, Maine
REPORT SENT TO Jennifer Claster / Mary Ann Conroy P O NO. 25030
SAMPLES SENT TO n/a OUR JOB NO. J 12-08

GROUND WATER OBSERVATIONS

At Dry During drilling Hours

At _____ after _____Hours

	AUGERS	SAMPLER	CORE BAR.
Type	Probe	split spoon	
Size I.D.	Probe- 3”	None	
Hammer Wt.	300lbs	140lbs	BIT
Hammer Fall	30”	30”	

	Date	Time
START		
COMPLETE		
TOTAL HRS.:		

BORING FOREMAN Christopher Palmer
INSPECTOR _None_____
SOILS ENGR. Jennifer Claster

LOCATION OF BORING: See map attached for locations on the North side of Whipple between Wyman and a little beyond Newsom

DEPTH	Casing Blows per foot	Sample Depths From - To	TYPE	Blows per 6” on Sampler From To 0-6	6-12	12-18	Moisture Density of Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, type of soil, etc. Rock-color, type condition, hardness, Drilling time, seams and etc.	SAMPLE #	Pen.	Rec.
									4” Pavement			
								3.0’	Light brown Gravel Fill …….. Dark brown Silty FILL to 7’			
								7’	…… Light brown Silty CLAY to 10’			
								10’	BOB @ 10’ NO Auger Refusal			
									NO Samples taken- Drillers observations.			

GROUND SURFACE TO 10’ USED 3” Probe AUGERS: THEN Back fill with soil and Cold Patch .

Sample Type
D=Dry C=Cored W=Washed
UP=Undisturbed Piston
TP=Test Pit A=Auger V=Vane Test
UT=Undisturbed Thinwall

Proportions Used
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

140 lb Wt. x 30” fall on 2” OD Sampler

Cohesionless Density
0-10 Loose
10-30 Med. Dense
30-50 Dense
50 + Very Dense

Cohesive Consistency
0-4 Soft 30 + Hard
4-8 M/Stiff
8-15 Stiff
15-30 V-Stiff

SUMMARY
Earth Boring 10’
Rock Coring none
Samples None taken

HOLE NO. B-2

East Coast Explorations

16 Maple Street
Hallowell, Maine 04347
Telephone: (207) 623-4358
Fax: 1-(775) 307-9002

SHEET 1 OF 1
DATE 5-17-2012
HOLE NO. B-3
LINE & STA._____
OFFSET_____
SURF. ELEV._____

TO Wright Pierce / Town of Kittery ADDRESS 99 Main Street Topsham, ME
PROJECT NAME Whipple Road Route 103 LOCATION Kittery, Maine
REPORT SENT TO Jennifer Claster / Mary Ann Conroy P O NO. 25030
SAMPLES SENT TO n/a OUR JOB NO. J 12-08

GROUND WATER OBSERVATIONS

At Dry During drilling Hours

At _____ after _____Hours

	AUGERS	SAMPLER	CORE BAR.
Type	Probe	split spoon	
Size I.D.	Probe- 3”	None	
Hammer Wt.	300lbs	140lbs	BIT
Hammer Fall	30”	30”	

	Date	Time
START		
COMPLETE		
TOTAL HRS.:		

BORING FOREMAN Christopher Palmer
INSPECTOR _None_____
SOILS ENGR. Jennifer Claster

LOCATION OF BORING: See map attached for locations on the North side o Whipple between Wyman and a little beyond Newsom

DEPTH	Casing Blows per foot	Sample Depths From - To	TYPE	Blows per 6” on Sampler From To 0-6	6-12	12-18	Moisture Density of Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, type of soil, etc. Rock-color, type condition, hardness, Drilling time, seams and etc.	SAMPLE #	Pen.	Rec.
									7” Pavement			
								2.0’	Light brown Gravel Fill …….. Dark brown Silty FILL to 5’			
								5’	…… Light brown Silty CLAY to 10’			
								10’	BOB @ 10’ NO Auger Refusal			
									NO Samples taken- Drillers observations.			

GROUND SURFACE TO 10’ USED 3” Probe AUGERS: THEN Back fill with soil and Cold Patch .

Sample Type
D=Dry C=Cored W=Washed
UP=Undisturbed Piston
TP=Test Pit A=Auger V=Vane Test
UT=Undisturbed Thinwall

Proportions Used
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

140 lb Wt. x 30” fall on 2” OD Sampler

Cohesionless Density
0-10 Loose
10-30 Med. Dense
30-50 Dense
50 + Very Dense

Cohesive Consistency
0-4 Soft 30 + Hard
4-8 M/Stiff
8-15 Stiff
15-30 V-Stiff

SUMMARY
Earth Boring 10’
Rock Coring none
Samples None taken

HOLE NO. B-3

East Coast Explorations

16 Maple Street
Hallowell, Maine 04347
Telephone: (207) 623-4358
Fax: 1-(775) 307-9002

SHEET 1 OF 1
DATE 5-17-2012
HOLE NO. B-4
LINE & STA._____
OFFSET_____
SURF. ELEV._____

TO Wright Pierce / Town of Kittery ADDRESS 99 Main Street Topsham, ME
PROJECT NAME Whipple Road Route 103 LOCATION Kittery, Maine
REPORT SENT TO Jennifer Claster / Mary Ann Conroy P O NO. 25030
SAMPLES SENT TO n/a OUR JOB NO. J 12-08

GROUND WATER OBSERVATIONS

At Dry During drilling Hours

At _____ after _____Hours

	AUGERS	SAMPLER	CORE BAR.
Type	Probe	split spoon	
Size I.D.	Probe- 3”	None	
Hammer Wt.	300lbs	140lbs	BIT
Hammer Fall	30”	30”	

	Date	Time
START		
COMPLETE		
TOTAL HRS.:		

BORING FOREMAN Christopher Palmer
INSPECTOR _None_____
SOILS ENGR. Jennifer Claster

LOCATION OF BORING: See map attached for locations on the North side o Whipple between Wyman and a little beyond Newsom

DEPTH	Casing Blows per foot	Sample Depths From - To	TYPE	Blows per 6” on Sampler From To 0-6	6-12	12-18	Moisture Density of Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, type of soil, etc. Rock-color, type condition, hardness, Drilling time, seams and etc.	SAMPLE #	Pen.	Rec.
									2” Pavement			
								2.0’	Light brown Gravel Fill …….. Dark brown Silty FILL to 5’			
								5’	…… Light brown Silty CLAY to 10’			
								10’	BOB @ 10’ NO Auger Refusal			
									NO Samples taken- Drillers observations.			

GROUND SURFACE TO 10’ USED 3” Probe AUGERS: THEN Back fill with soil and Cold Patch .

Sample Type
D=Dry C=Cored W=Washed
UP=Undisturbed Piston
TP=Test Pit A=Auger V=Vane Test
UT=Undisturbed Thinwall

Proportions Used
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

140 lb Wt. x 30” fall on 2” OD Sampler

Cohesionless Density
0-10 Loose
10-30 Med. Dense
30-50 Dense
50 + Very Dense

Cohesive Consistency
0-4 Soft 30 + Hard
4-8 M/Stiff
8-15 Stiff
15-30 V-Stiff

SUMMARY
Earth Boring 10’
Rock Coring none
Samples None taken

HOLE NO. B-4

East Coast Explorations

16 Maple Street
Hallowell, Maine 04347
Telephone: (207) 623-4358
Fax: 1-(775) 307-9002

SHEET 1 OF 1
DATE 5-17-2012
HOLE NO. B-5
LINE & STA._____
OFFSET_____
SURF. ELEV._____

TO Wright Pierce / Town of Kittery ADDRESS 99 Main Street Topsham, ME
PROJECT NAME Whipple Road Route 103 LOCATION Kittery, Maine
REPORT SENT TO Jennifer Claster / Mary Ann Conroy P O NO. 25030
SAMPLES SENT TO n/a OUR JOB NO. J 12-08

GROUND WATER OBSERVATIONS

At Dry During drilling Hours

At _____ after _____Hours

	AUGERS	SAMPLER	CORE BAR.
Type	Probe	split spoon	
Size I.D.	Probe- 3”	None	
Hammer Wt.	300lbs	140lbs	BIT
Hammer Fall	30”	30”	

	Date	Time
START		
COMPLETE		
TOTAL HRS.:		

BORING FOREMAN Christopher Palmer
INSPECTOR _None_____
SOILS ENGR. Jennifer Claster

LOCATION OF BORING: See map attached for locations 75’ down Tilton Ave.

DEPTH	Casing Blows per foot	Sample Depths From - To	TYPE	Blows per 6” on Sampler From To 0-6	6-12	12-18	Moisture Density of Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, type of soil, etc. Rock-color, type condition, hardness, Drilling time, seams and etc.	SAMPLE #	Pen.	Rec.
									7” Pavement			
								1.0’	Light brown Gravel Fill ……..			
								3’	Dark brown Silty FILL to 3’ ……			
									Light brown Silty CLAY to 10’			
								10’	BOB @ 10’ NO Auger Refusal			
									NO Samples taken- Drillers observations.			

GROUND SURFACE TO 10’ USED 3” Probe AUGERS: THEN Back fill with soil and Cold Patch .

Sample Type
D=Dry C=Cored W=Washed
UP=Undisturbed Piston
TP=Test Pit A=Auger V=Vane Test
UT=Undisturbed Thinwall

Proportions Used
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

140 lb Wt. x 30” fall on 2” OD Sampler

Cohesionless Density
0-10 Loose
10-30 Med. Dense
30-50 Dense
50 + Very Dense

Cohesive Consistency
0-4 Soft 30 + Hard
4-8 M/Stiff
8-15 Stiff
15-30 V-Stiff

SUMMARY
Earth Boring 10’
Rock Coring none
Samples None taken

HOLE NO. B-5

East Coast Explorations

16 Maple Street
Hallowell, Maine 04347
Telephone: (207) 623-4358
Fax: 1-(775) 307-9002

SHEET 1 OF 1
DATE 5-17-2012
HOLE NO. B-6
LINE & STA._____
OFFSET_____
SURF. ELEV._____

TO Wright Pierce / Town of Kittery ADDRESS 99 Main Street Topsham, ME
PROJECT NAME Whipple Road Route 103 LOCATION Kittery, Maine
REPORT SENT TO Jennifer Claster / Mary Ann Conroy P O NO. 25030
SAMPLES SENT TO n/a OUR JOB NO. J 12-08

GROUND WATER OBSERVATIONS

At Dry During drilling Hours

At _____ after _____Hours

	AUGERS	SAMPLER	CORE BAR.
Type	Probe	split spoon	
Size I.D.	Probe- 3”	None	
Hammer Wt.	300lbs	140lbs	BIT
Hammer Fall	30”	30”	

	Date	Time
START		
COMPLETE		
TOTAL HRS.:		

BORING FOREMAN Christopher Palmer
INSPECTOR _None_____
SOILS ENGR. Jennifer Claster

LOCATION OF BORING: See map attached for locations on the North side o Whipple between Wyman and a little beyond Newsom

DEPTH	Casing Blows per foot	Sample Depths From - To	TYPE	Blows per 6” on Sampler From To 0-6	6-12	12-18	Moisture Density of Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, type of soil, etc. Rock-color, type condition, hardness, Drilling time, seams and etc.	SAMPLE #	Pen.	Rec.
									9” Pavement			
									Light brown Gravel Fill			
								2.0’	……..			
									Light brown silty CLAY			
								3.0’				
									BOB @ 3’ Auger Refusal			
									NO Samples taken- Drillers observations.			

GROUND SURFACE TO 3’ USED 3” Probe AUGERS: THEN Back fill with soil and Cold Patch .

Sample Type
D=Dry C=Cored W=Washed
UP=Undisturbed Piston
TP=Test Pit A=Auger V=Vane Test
UT=Undisturbed Thinwall

Proportions Used
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

140 lb Wt. x 30” fall on 2” OD Sampler

Cohesionless Density
0-10 Loose
10-30 Med. Dense
30-50 Dense
50 + Very Dense

Cohesive Consistency
0-4 Soft 30 + Hard
4-8 M/Stiff
8-15 Stiff
15-30 V-Stiff

SUMMARY
Earth Boring 3’
Rock Coring none
Samples None taken

HOLE NO. B-6

East Coast Explorations

16 Maple Street
Hallowell, Maine 04347
Telephone: (207) 623-4358
Fax: 1-(775) 307-9002

SHEET 1 OF 1
DATE 5-17-2012
HOLE NO. B-7
LINE & STA._____
OFFSET_____
SURF. ELEV._____

TO Wright Pierce / Town of Kittery ADDRESS 99 Main Street Topsham, ME
PROJECT NAME Whipple Road Route 103 LOCATION Kittery, Maine
REPORT SENT TO Jennifer Claster / Mary Ann Conroy P O NO. 25030
SAMPLES SENT TO n/a OUR JOB NO. J 12-08

GROUND WATER OBSERVATIONS

At Dry During drilling Hours

At _____ after _____Hours

	AUGERS	SAMPLER	CORE BAR.
Type	Probe	split spoon	
Size I.D.	Probe- 3”	None	
Hammer Wt.	300lbs	140lbs	BIT
Hammer Fall	30”	30”	

	Date	Time
START		
COMPLETE		
TOTAL HRS.:		

BORING FOREMAN Christopher Palmer
INSPECTOR _None_____
SOILS ENGR. Jennifer Claster

LOCATION OF BORING: See map attached for locations on the North side o Whipple between Wyman and a little beyond Newsom

DEPTH	Casing Blows per foot	Sample Depths From - To	TYPE	Blows per 6” on Sampler From To 0-6	6-12	12-18	Moisture Density of Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, type of soil, etc. Rock-color, type condition, hardness, Drilling time, seams and etc.	SAMPLE #	Pen.	Rec.
									8” Pavement			
									Light brown Gravel Fill			
								2.0’	……..			
									Light brown silty CLAY			
								2’9”				
									BOB @ 2’9” Auger Refusal			
									NO Samples taken- Drillers observations.			

GROUND SURFACE TO 2’9” USED 3” Probe AUGERS: THEN Back fill with soil and Cold Patch .

Sample Type
D=Dry C=Cored W=Washed
UP=Undisturbed Piston
TP=Test Pit A=Auger V=Vane Test
UT=Undisturbed Thinwall

Proportions Used
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

140 lb Wt. x 30” fall on 2” OD Sampler

Cohesionless Density
0-10 Loose
10-30 Med. Dense
30-50 Dense
50 + Very Dense

Cohesive Consistency
0-4 Soft 30 + Hard
4-8 M/Stiff
8-15 Stiff
15-30 V-Stiff

SUMMARY
Earth Boring 2’9”
Rock Coring none
Samples None taken

HOLE NO. B-7

East Coast Explorations

16 Maple Street
Hallowell, Maine 04347
Telephone: (207) 623-4358
Fax: 1-(775) 307-9002

SHEET 1 OF 1
DATE 5-17-2012
HOLE NO. B-8
LINE & STA._____
OFFSET_____
SURF. ELEV._____

TO Wright Pierce / Town of Kittery ADDRESS 99 Main Street Topsham, ME
PROJECT NAME Whipple Road Route 103 LOCATION Kittery, Maine
REPORT SENT TO Jennifer Claster / Mary Ann Conroy P O NO. 25030
SAMPLES SENT TO n/a OUR JOB NO. J 12-08

GROUND WATER OBSERVATIONS

At Dry During drilling Hours

At _____ after _____Hours

	AUGERS	SAMPLER	CORE BAR.
Type	Probe	split spoon	
Size I.D.	Probe- 3”	None	
Hammer Wt.	300lbs	140lbs	BIT
Hammer Fall	30”	30”	

	Date	Time
START		
COMPLETE		
TOTAL HRS.:		

BORING FOREMAN Christopher Palmer
INSPECTOR _None_____
SOILS ENGR. Jennifer Claster

LOCATION OF BORING: See map attached for locations on the North side o Whipple between Wyman and a little beyond Newsom

DEPTH	Casing Blows per foot	Sample Depths From - To	TYPE	Blows per 6” on Sampler From To 0-6	6-12	12-18	Moisture Density of Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, type of soil, etc. Rock-color, type condition, hardness, Drilling time, seams and etc.	SAMPLE #	Pen.	Rec.
									8” Pavement			
									Light brown Gravel Fill			
								2.0’	……..			
									Light brown silty CLAY			
								2’6”				
									BOB @ 2’6” Auger Refusal			
									NO Samples taken- Drillers observations.			

GROUND SURFACE TO 2’6” USED 3” Probe AUGERS: THEN Back fill with soil and Cold Patch .

Sample Type
D=Dry C=Cored W=Washed
UP=Undisturbed Piston
TP=Test Pit A=Auger V=Vane Test
UT=Undisturbed Thinwall

Proportions Used
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

140 lb Wt. x 30” fall on 2” OD Sampler

Cohesionless Density
0-10 Loose
10-30 Med. Dense
30-50 Dense
50 + Very Dense

Cohesive Consistency
0-4 Soft 30 + Hard
4-8 M/Stiff
8-15 Stiff
15-30 V-Stiff

SUMMARY
Earth Boring 2’6”
Rock Coring none
Samples None taken

HOLE NO. B-8

East Coast Explorations

16 Maple Street
Hallowell, Maine 04347
Telephone: (207) 623-4358
Fax: 1-(775) 307-9002

SHEET 1 OF 1
DATE 5-17-2012
HOLE NO. B-9
LINE & STA._____
OFFSET_____
SURF. ELEV._____

TO Wright Pierce / Town of Kittery ADDRESS 99 Main Street Topsham, ME
PROJECT NAME Whipple Road Route 103 LOCATION Kittery, Maine
REPORT SENT TO Jennifer Claster / Mary Ann Conroy P O NO. 25030
SAMPLES SENT TO n/a OUR JOB NO. J 12-08

GROUND WATER OBSERVATIONS

At Dry During drilling Hours

At _____ after _____Hours

	AUGERS	SAMPLER	CORE BAR.
Type	Probe	split spoon	
Size I.D.	Probe- 3”	None	
Hammer Wt.	300lbs	140lbs	BIT
Hammer Fall	30”	30”	

	Date	Time
START		
COMPLETE		
TOTAL HRS.:		

BORING FOREMAN Christopher Palmer
INSPECTOR _None_____
SOILS ENGR. Jennifer Claster

LOCATION OF BORING: See map attached for locations on the North side o Whipple between Wyman and a little beyond Newsom

DEPTH	Casing Blows per foot	Sample Depths From - To	TYPE	Blows per 6” on Sampler From To 0-6	6-12	12-18	Moisture Density of Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, type of soil, etc. Rock-color, type condition, hardness, Drilling time, seams and etc.	SAMPLE #	Pen.	Rec.
									7” Pavement			
								2.0’	Light brown Gravel Fill …….. Dark brown Silty FILL to 5’			
								5’	…… Light brown Silty CLAY to 10’			
								10’	BOB @ 10’ NO Auger Refusal			
									NO Samples taken- Drillers observations.			

GROUND SURFACE TO 10’ USED 3” Probe AUGERS: THEN Back fill with soil and Cold Patch .

Sample Type
D=Dry C=Cored W=Washed
UP=Undisturbed Piston
TP=Test Pit A=Auger V=Vane Test
UT=Undisturbed Thinwall

Proportions Used
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

140 lb Wt. x 30” fall on 2” OD Sampler

Cohesionless Density
0-10 Loose
10-30 Med. Dense
30-50 Dense
50 + Very Dense

Cohesive Consistency
0-4 Soft 30 + Hard
4-8 M/Stiff
8-15 Stiff
15-30 V-Stiff

SUMMARY
Earth Boring 10’
Rock Coring none
Samples None taken

HOLE NO. B-9

East Coast Explorations

16 Maple Street
Hallowell, Maine 04347
Telephone: (207) 623-4358
Fax: 1-(775) 307-9002

SHEET 1 OF 1
DATE 5-17-2012
HOLE NO. B-10
LINE & STA._____
OFFSET_____
SURF. ELEV._____

TO Wright Pierce / Town of Kittery ADDRESS 99 Main Street Topsham, ME
PROJECT NAME Whipple Road Route 103 LOCATION Kittery, Maine
REPORT SENT TO Jennifer Claster / Mary Ann Conroy P O NO. 25030
SAMPLES SENT TO n/a OUR JOB NO. J 12-08

GROUND WATER OBSERVATIONS

At Dry During drilling Hours

At _____ after _____Hours

	AUGERS	SAMPLER	CORE BAR.
Type	Probe	split spoon	
Size I.D.	Probe- 3”	None	
Hammer Wt.	300lbs	140lbs	BIT
Hammer Fall	30”	30”	

	Date	Time
START		
COMPLETE		
TOTAL HRS.:		

BORING FOREMAN Christopher Palmer
INSPECTOR _None_____
SOILS ENGR. Jennifer Claster

LOCATION OF BORING: See map attached for locations on the North side o Whipple between Wyman and a little beyond Newsom

DEPTH	Casing Blows per foot	Sample Depths From - To	TYPE	Blows per 6” on Sampler From To 0-6	6-12	12-18	Moisture Density of Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, type of soil, etc. Rock-color, type condition, hardness, Drilling time, seams and etc.	SAMPLE #	Pen.	Rec.
									8” Pavement			
									Light brown Gravel Fill			
								2.0’	……..			
									Light brown silty CLAY			
								2’3”				
									BOB @ 2’9” Auger Refusal			
									NO Samples taken- Drillers observations.			

GROUND SURFACE TO 2’3” USED 3” Probe AUGERS: THEN Back fill with soil and Cold Patch .

Sample Type
D=Dry C=Cored W=Washed
UP=Undisturbed Piston
TP=Test Pit A=Auger V=Vane Test
UT=Undisturbed Thinwall

Proportions Used
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

140 lb Wt. x 30” fall on 2” OD Sampler

Cohesionless Density
0-10 Loose
10-30 Med. Dense
30-50 Dense
50 + Very Dense

Cohesive Consistency
0-4 Soft 30 + Hard
4-8 M/Stiff
8-15 Stiff
15-30 V-Stiff

SUMMARY
Earth Boring 2’3”
Rock Coring none
Samples None taken

HOLE NO. B-10

East Coast Explorations

16 Maple Street
Hallowell, Maine 04347
Telephone: (207) 623-4358
Fax: 1-(775) 307-9002

SHEET 1 OF 1
DATE 5-17-2012
HOLE NO. B-11
LINE & STA._____
OFFSET_____
SURF. ELEV._____

TO Wright Pierce / Town of Kittery ADDRESS 99 Main Street Topsham, ME
PROJECT NAME Whipple Road Route 103 LOCATION Kittery, Maine
REPORT SENT TO Jennifer Claster / Mary Ann Conroy P O NO. 25030
SAMPLES SENT TO n/a OUR JOB NO. J 12-08

GROUND WATER OBSERVATIONS

At Dry During drilling Hours

At _____ after _____Hours

	AUGERS	SAMPLER	CORE BAR.
Type	Probe	split spoon	
Size I.D.	Probe- 3”	None	
Hammer Wt.	300lbs	140lbs	BIT
Hammer Fall	30”	30”	

	Date	Time
START		
COMPLETE		
TOTAL HRS.:		

BORING FOREMAN Christopher Palmer
INSPECTOR _None_____
SOILS ENGR. Jennifer Claster

LOCATION OF BORING: See map attached for locations on the North side o Whipple between Wyman and a little beyond Newsom

DEPTH	Casing Blows per foot	Sample Depths From - To	TYPE	Blows per 6” on Sampler From To 0-6	6-12	12-18	Moisture Density of Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, type of soil, etc. Rock-color, type condition, hardness, Drilling time, seams and etc.	SAMPLE #	Pen.	Rec.
									Boring could not be done due to utilities, overhead lines and such. Bedrock outcropping visable above ground surface roughly 100’ east of proposed boring location. Assume shallow bedrock as in B-10			

GROUND SURFACE TO 0 USED 3” Probe AUGERS: THEN Back fill with soil and Cold Patch .

Sample Type
D=Dry C=Cored W=Washed
UP=Undisturbed Piston
TP=Test Pit A=Auger V=Vane Test
UT=Undisturbed Thinwall

Proportions Used
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

140 lb Wt. x 30” fall on 2” OD Sampler

Cohesionless Density
0-10 Loose
10-30 Med. Dense
30-50 Dense
50 + Very Dense

Cohesive Consistency
0-4 Soft 30 + Hard
4-8 M/Stiff
8-15 Stiff
15-30 V-Stiff

SUMMARY
Earth Boring 0
Rock Coring none
Samples None taken

HOLE NO. B-11

East Coast Explorations

16 Maple Street
Hallowell, Maine 04347
Telephone: (207) 623-4358
Fax: 1-(775) 307-9002

SHEET 1 OF 1
DATE 5-17-2012
HOLE NO. B-12
LINE & STA._____
OFFSET_____
SURF. ELEV._____

TO Wright Pierce / Town of Kittery ADDRESS 99 Main Street Topsham, ME
PROJECT NAME Whipple Road Route 103 LOCATION Kittery, Maine
REPORT SENT TO Jennifer Claster / Mary Ann Conroy P O NO. 25030
SAMPLES SENT TO n/a OUR JOB NO. J 12-08

GROUND WATER OBSERVATIONS

At Dry During drilling Hours

At _____ after _____Hours

	AUGERS	SAMPLER	CORE BAR.
Type	Probe	split spoon	
Size I.D.	Probe- 3”	None	
Hammer Wt.	300lbs	140lbs	BIT
Hammer Fall	30”	30”	

	Date	Time
START		
COMPLETE		
TOTAL HRS.:		

BORING FOREMAN Christopher Palmer
INSPECTOR _None_____
SOILS ENGR. Jennifer Claster

LOCATION OF BORING: See map attached for locations on the North side o Whipple between Wyman and a little beyond Newsom

DEPTH	Casing Blows per foot	Sample Depths From - To	TYPE	Blows per 6” on Sampler From To 0-6	6-12	12-18	Moisture Density of Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, type of soil, etc. Rock-color, type condition, hardness, Drilling time, seams and etc.	SAMPLE #	Pen.	Rec.
									2” Pavement			
								2.0’	Light brown Gravel Fill …….. Light brown silty CLAY			
								6’6”	BOB @ 6’6” Auger Refusal			
									NO Samples taken- Drillers observations.			

GROUND SURFACE TO 6’6” USED 3” Probe AUGERS: THEN Back fill with soil and Cold Patch .

Sample Type
D=Dry C=Cored W=Washed
UP=Undisturbed Piston
TP=Test Pit A=Auger V=Vane Test
UT=Undisturbed Thinwall

Proportions Used
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

140 lb Wt. x 30” fall on 2” OD Sampler

Cohesionless Density
0-10 Loose
10-30 Med. Dense
30-50 Dense
50 + Very Dense

Cohesive Consistency
0-4 Soft 30 + Hard
4-8 M/Stiff
8-15 Stiff
15-30 V-Stiff

SUMMARY
Earth Boring 6’6”
Rock Coring none
Samples None taken

HOLE NO. B-12

East Coast Explorations

16 Maple Street
Hallowell, Maine 04347
Telephone: (207) 623-4358
Fax: 1-(775) 307-9002

SHEET 1 OF 1
DATE 5-17-2012
HOLE NO. B-13
LINE & STA.
OFFSET
SURF. ELEV.

TO Wright Pierce / Town of Kittery ADDRESS 99 Main Street Topsham, ME
PROJECT NAME Whipple Road Route 103 LOCATION Kittery, Maine
REPORT SENT TO Jennifer Claster / Mary Ann Conroy P O NO. 25030
SAMPLES SENT TO n/a OUR JOB NO. J 12-08

GROUND WATER OBSERVATIONS

At Dry During drilling Hours

At _____ after _____ Hours

	AUGERS	SAMPLER	CORE BAR.
Type	Probe	split spoon	
Size I.D.	Probe- 3”	None	
Hammer Wt.	300lbs	140lbs	BIT
Hammer Fall	30”	30”	

	Date	Time
START		
COMPLETE		
TOTAL HRS.:		

BORING FOREMAN Christopher Palmer
INSPECTOR _None_____
SOILS ENGR. Jennifer Claster

LOCATION OF BORING: See map attached for locations on the North side o Whipple between Wyman and a little beyond Newsom

DEPTH	Casing Blows per foot	Sample Depths From - To	TYPE	Blows per 6” on Sampler From To 0-6	6-12	12-18	Moisture Density of Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, type of soil, etc. Rock-color, type condition, hardness, Drilling time, seams and etc.	SAMPLE #	Pen.	Rec.
									2” Pavement			
								1’9”	Light brown Gravel Fill ……..			
									BOB @ 1’9”’ Auger Refusal			
									NO Samples taken- Drillers observations.			

GROUND SURFACE TO 1’9” USED 3” Probe AUGERS: THEN Back fill with soil and Cold Patch .

Sample Type
D=Dry C=Cored W=Washed
UP=Undisturbed Piston
TP=Test Pit A=Auger V=Vane Test
UT=Undisturbed Thinwall

Proportions Used
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

140 lb Wt. x 30” fall on 2” OD Sampler

Cohesionless Density
0-10 Loose
10-30 Med. Dense
30-50 Dense
50 + Very Dense

Cohesive Consistency
0-4 Soft 30 + Hard
4-8 M/Stiff
8-15 Stiff
15-30 V-Stiff

SUMMARY
Earth Boring 1’9”
Rock Coring none
Samples None taken

HOLE NO. B-13

East Coast Explorations

16 Maple Street
Hallowell, Maine 04347
Telephone: (207) 623-4358
Fax: 1-(775) 307-9002

SHEET 1 OF 1
DATE 5-17-2012
HOLE NO. B-14
LINE & STA._____
OFFSET_____
SURF. ELEV._____

TO Wright Pierce / Town of Kittery ADDRESS 99 Main Street Topsham, ME
PROJECT NAME Whipple Road Route 103 LOCATION Kittery, Maine
REPORT SENT TO Jennifer Claster / Mary Ann Conroy P O NO. 25030
SAMPLES SENT TO n/a OUR JOB NO. J 12-08

GROUND WATER OBSERVATIONS

At Dry During drilling Hours

At _____ after _____Hours

	AUGERS	SAMPLER	CORE BAR.
Type	Probe	split spoon	
Size I.D.	Probe- 3”	None	
Hammer Wt.	300lbs	140lbs	BIT
Hammer Fall	30”	30”	

	Date	Time
START		
COMPLETE		
TOTAL HRS.:		

BORING FOREMAN Christopher Palmer
INSPECTOR _None_____
SOILS ENGR. Jennifer Claster

LOCATION OF BORING: See map attached for locations on the North side o Whipple between Wyman and a little beyond Newsom

DEPTH	Casing Blows per foot	Sample Depths From - To	TYPE	Blows per 6” on Sampler From To 0-6	6-12	12-18	Moisture Density of Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, type of soil, etc. Rock-color, type condition, hardness, Drilling time, seams and etc.	SAMPLE #	Pen.	Rec.
									8” Pavement			
								2.0’	Light brown Gravel Fill …….. Light brown silty CLAY			
								2’2”	BOB @ 2’2” Auger Refusal			
									NO Samples taken- Drillers observations.			
									NOTE: Boring was done 20’ West of mapped location due to conflict with wires and water lines			

GROUND SURFACE TO 2’2” USED 3” Probe AUGERS: THEN Back fill with soil and Cold Patch .

Sample Type
D=Dry C=Cored W=Washed
UP=Undisturbed Piston
TP=Test Pit A=Auger V=Vane Test
UT=Undisturbed Thinwall

Proportions Used
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

140 lb Wt. x 30” fall on 2” OD Sampler

Cohesionless Density
0-10 Loose
10-30 Med. Dense
30-50 Dense
50 + Very Dense

Cohesive Consistency
0-4 Soft 30 + Hard
4-8 M/Stiff
8-15 Stiff
15-30 V-Stiff

SUMMARY
Earth Boring 2’2”
Rock Coring none
Samples None taken

HOLE NO. B-14

East Coast Explorations

16 Maple Street
Hallowell, Maine 04347
Telephone: (207) 623-4358
Fax: 1-(775) 307-9002

SHEET 1 OF 1
DATE 5-17-2012
HOLE NO. B-15
LINE & STA._____
OFFSET_____
SURF. ELEV._____

TO Wright Pierce / Town of Kittery ADDRESS 99 Main Street Topsham, ME
PROJECT NAME Whipple Road Route 103 LOCATION Kittery, Maine
REPORT SENT TO Jennifer Claster / Mary Ann Conroy P O NO. 25030
SAMPLES SENT TO n/a OUR JOB NO. J 12-08

GROUND WATER OBSERVATIONS

At Dry During drilling Hours

At _____ after _____Hours

	AUGERS	SAMPLER	CORE BAR.
Type	Probe	split spoon	
Size I.D.	Probe- 3”	None	
Hammer Wt.	300lbs	140lbs	BIT
Hammer Fall	30”	30”	

	Date	Time
START		
COMPLETE		
TOTAL HRS.:		

BORING FOREMAN Christopher Palmer
INSPECTOR _None_____
SOILS ENGR. Jennifer Claster

LOCATION OF BORING: See map attached for locations on the North side o Whipple between Wyman and a little beyond Newsom

DEPTH	Casing Blows per foot	Sample Depths From - To	TYPE	Blows per 6” on Sampler From To 0-6	6-12	12-18	Moisture Density of Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, type of soil, etc. Rock-color, type condition, hardness, Drilling time, seams and etc.	SAMPLE #	Pen.	Rec.
									2” Pavement			
									Light brown Gravel Fill			
								2.0’	……..			
									Light brown silty CLAY			
								2’5”				
									BOB @ 2’5” Auger Refusal			
									NO Samples taken- Drillers observations.			

GROUND SURFACE TO 2’5” USED 3” Probe AUGERS: THEN Back fill with soil and Cold Patch .

Sample Type
D=Dry C=Cored W=Washed
UP=Undisturbed Piston
TP=Test Pit A=Auger V=Vane Test
UT=Undisturbed Thinwall

Proportions Used
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

140 lb Wt. x 30” fall on 2” OD Sampler

Cohesionless Density
0-10 Loose
10-30 Med. Dense
30-50 Dense
50 + Very Dense

Cohesive Consistency
0-4 Soft 30 + Hard
4-8 M/Stiff
8-15 Stiff
15-30 V-Stiff

SUMMARY
Earth Boring 2’5”
Rock Coring none
Samples None taken

HOLE NO. B-15

East Coast Explorations

16 Maple Street
Hallowell, Maine 04347
Telephone: (207) 623-4358
Fax: 1-(775) 307-9002

SHEET 1 OF 1
DATE 5-17-2012
HOLE NO. B-16
LINE & STA._____
OFFSET_____
SURF. ELEV._____

TO Wright Pierce / Town of Kittery ADDRESS 99 Main Street Topsham, ME
PROJECT NAME Whipple Road Route 103 LOCATION Kittery, Maine
REPORT SENT TO Jennifer Claster / Mary Ann Conroy P O NO. 25030
SAMPLES SENT TO n/a OUR JOB NO. J 12-08

GROUND WATER OBSERVATIONS

At Dry During drilling Hours

At _____ after _____Hours

	AUGERS	SAMPLER	CORE BAR.
Type	Probe	split spoon	
Size I.D.	Probe- 3”	None	
Hammer Wt.	300lbs	140lbs	BIT
Hammer Fall	30”	30”	

	Date	Time
START		
COMPLETE		
TOTAL HRS.:		

BORING FOREMAN Christopher Palmer
INSPECTOR _None_____
SOILS ENGR. Jennifer Claster

LOCATION OF BORING: See map attached for locations on the North side o Whipple between Wyman and a little beyond Newsom

DEPTH	Casing Blows per foot	Sample Depths From - To	TYPE	Blows per 6” on Sampler From To 0-6	6-12	12-18	Moisture Density of Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, type of soil, etc. Rock-color, type condition, hardness, Drilling time, seams and etc.	SAMPLE #	Pen.	Rec.
									2” Pavement			
									Light brown Gravel Fill			
								2.0’	……..			
									Light brown silty CLAY			
								2’				
									BOB @ 2’ Auger Refusal			
									NO Samples taken- Drillers observations.			

GROUND SURFACE TO 2’ USED 3” Probe AUGERS: THEN Back fill with soil and Cold Patch .

Sample Type
D=Dry C=Cored W=Washed
UP=Undisturbed Piston
TP=Test Pit A=Auger V=Vane Test
UT=Undisturbed Thinwall

Proportions Used
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

140 lb Wt. x 30” fall on 2” OD Sampler

Cohesionless Density
0-10 Loose
10-30 Med. Dense
30-50 Dense
50 + Very Dense

Cohesive Consistency
0-4 Soft 30 + Hard
4-8 M/Stiff
8-15 Stiff
15-30 V-Stiff

SUMMARY
Earth Boring 2’
Rock Coring none
Samples None taken

HOLE NO. B-16

East Coast Explorations

16 Maple Street
Hallowell, Maine 04347
Telephone: (207) 623-4358
Fax: 1-(775) 307-9002

SHEET 1 OF 1
DATE 5-17-2012
HOLE NO. B-17
LINE & STA._____
OFFSET_____
SURF. ELEV._____

TO Wright Pierce / Town of Kittery ADDRESS 99 Main Street Topsham, ME
PROJECT NAME Whipple Road Route 103 LOCATION Kittery, Maine
REPORT SENT TO Jennifer Claster / Mary Ann Conroy P O NO. 25030
SAMPLES SENT TO n/a OUR JOB NO. J 12-08

GROUND WATER OBSERVATIONS

At Dry During drilling Hours

At _____ after _____Hours

	AUGERS	SAMPLER	CORE BAR.
Type	Probe	split spoon	
Size I.D.	Probe- 3”	None	
Hammer Wt.	300lbs	140lbs	BIT
Hammer Fall	30”	30”	

	Date	Time
START		
COMPLETE		
TOTAL HRS.:		

BORING FOREMAN Christopher Palmer
INSPECTOR _None_____
SOILS ENGR. Jennifer Claster

LOCATION OF BORING: See map attached for locations on the North side o Whipple between Wyman and a little beyond Newsom

DEPTH	Casing Blows per foot	Sample Depths From - To	TYPE	Blows per 6” on Sampler From To 0-6	6-12	12-18	Moisture Density of Consist.	Strata Change Elev.	SOIL IDENTIFICATION Remarks include color, gradation, type of soil, etc. Rock-color, type condition, hardness, Drilling time, seams and etc.	SAMPLE #	Pen.	Rec.
									8” Pavement			
									Light brown Gravel Fill			
								2.0’	……..			
									Light brown silty CLAY			
								5’3”				
									BOB @ 5’3” Auger Refusal			
									NO Samples taken- Drillers observations.			

GROUND SURFACE TO 5’3” USED 3” Probe AUGERS: THEN Back fill with soil and Cold Patch .

Sample Type
D=Dry C=Cored W=Washed
UP=Undisturbed Piston
TP=Test Pit A=Auger V=Vane Test
UT=Undisturbed Thinwall

Proportions Used
trace 0 to 10%
little 10 to 20%
some 20 to 35%
and 35 to 50%

140 lb Wt. x 30” fall on 2” OD Sampler

Cohesionless Density
0-10 Loose
10-30 Med. Dense
30-50 Dense
50 + Very Dense

Cohesive Consistency
0-4 Soft 30 + Hard
4-8 M/Stiff
8-15 Stiff
15-30 V-Stiff

SUMMARY
Earth Boring 5’3”
Rock Coring none
Samples None taken

HOLE NO. B-17

SPECIAL PROVISION
SECTION 108
PAYMENT
(Asphalt Escalator)

108.4.1 Price Adjustment for Hot Mix Asphalt: For all contracts with hot mix asphalt in excess of 500 tons total, a price adjustment for performance graded binder will be made for the following pay items:

Item 403.206 Hot Mix Asphalt - 25 mm
Item 403.207 Hot Mix Asphalt - 19 mm
Item 403.2071 Hot Mix Asphalt - 19 mm (Polymer Modified)
Item 403.2072 Hot Mix Asphalt - 19 mm (Asphalt Rich Base)
Item 403.2073 Warm Mix Asphalt - 19 mm
Item 403.208 Hot Mix Asphalt - 12.5 mm
Item 403.2081 Hot Mix Asphalt - 12.5 mm (Polymer Modified)
Item 403.2083 Warm Mix Asphalt - 12.5 mm
Item 403.209 Hot Mix Asphalt - 9.5 mm (sidewalks, drives, & incidentals)
Item 403.210 Hot Mix Asphalt - 9.5 mm
Item 403.2101 Hot Mix Asphalt - 9.5 mm (Polymer Modified)
Item 403.2102 Hot Mix Asphalt - 9.5 mm (Asphalt Rich Base)
Item 403.2103 Warm Mix Asphalt - 9.5 mm
Item 403.211 Hot Mix Asphalt – Shim
Item 403.2111 Hot Mix Asphalt – Shim (Polymer Modified)
Item 403.2113 Warm Mix Asphalt - Shim
Item 403.212 Hot Mix Asphalt - 4.75 mm (Shim)
Item 403.2123 Warm Mix Asphalt - 4.75 mm (Shim)
Item 403.213 Hot Mix Asphalt - 12.5 mm (base and intermediate course)
Item 403.2131 Hot Mix Asphalt - 12.5 mm (base and intermediate course Polymer Modified)
Item 403.2132 Hot Mix Asphalt - 12.5 mm (Asphalt Rich Base and intermediate course)
Item 403.2133 Warm Mix Asphalt - 12.5 mm (base and intermediate course)
Item 403.214 Hot Mix Asphalt - 4.75 mm (Surface)
Item 403.2143 Warm Mix Asphalt - 4.75 mm (Surface)
Item 461.13 Maintenance Surface Treatment

Price adjustments will be based on the variance in costs for the performance graded binder component of hot mix asphalt. They will be determined as follows:

The quantity of hot mix asphalt for each pay item will be multiplied by the performance graded binder percentages given in the table below times the difference in price between the base price and the period price of asphalt cement. Adjustments will be made upward or downward, as prices increase or decrease.

Item 403.206: 4.8%

Item 403.207–5.2%	Item 403.2071–5.2%	Item 403.2072–5.8%	Item 403.2073–5.2%
Item 403.208–5.6%	Item 403.2081–5.6%		Item 403.2083–5.6%
Item 403.209–6.2%			
Item 403.210–6.2%	Item 403.2101–6.2%	Item 403.2102–6.8%	Item 403.2103–6.2%

Item 403.211–6.2%	Item 403.2111–6.2%		Item 403.2113–6.2%
Item 403.212–6.8%			Item 403.2123–6.8%
Item 403.213–5.6%	Item 403.2131–5.6%	Item 403.2132–6.2%	Item 403.2133–5.6%
Item 403.214–6.8%			Item 403.2143–6.8%
Item 461.13–6.4%			

Hot Mix Asphalt**:** The quantity of hot mix asphalt will be determined from the quantity shown on the progress estimate for each pay period.

Base Price: The base price of performance graded binder to be used is the price per standard ton current with the bid opening date. This price is determined by using the average New England Selling Price (Excluding the Connecticut market area), as listed in the Asphalt Weekly Monitor.

Period Price: The period price of performance graded binder will be determined by the Department by using the average New England Selling Price (Excluding the Connecticut market area), listed in the Asphalt Weekly Monitor current with the paving date. The maximum Period Price for paving after the adjusted Contract Completion Date will be the Period Price on the adjusted Contract Completion Date.