

### REQUEST FOR ACTION BY BOARD OF SELECTMEN

DATE SUBMITTED: October 17, 2018	⊠ ACTION
DATE ACTION REQUESTED: October 22, 2018	☐ DISCUSSION ONLY
SUBJECT: York Village Improvement Project update. (Park	ing, Underground Utilities)

DISCUSSION OF OPTIONS AVAILABLE TO THE BOARD: The Town of York has secured State and Federal transportation funding from Maine DOT and the Federal Highway Administration (FHWA) thru the Kittery Area Comprehensive Transportation Study Committee (KACTS) Metropolitan Planning Organization (MPO) for the construction of phase 1 of the York Village Improvement Project. The Maine DOT has authorized the Town of York to administer the project locally with the help of our consultants (LAP). The major reason the Town is administering the project locally is to better engage those who will be served by the project and those who may have a vested interest in the project. The Town of York through the Village Steering Committee has a better understanding of local concerns and will be able to work through those issues in a more timely and successful manner than the Maine DOT.

Municipalities delivering LAP projects with State and Federal funds are required to follow a rigorous federal and state project development process. This process requires a few activities to be done by the Maine DOT. Maine DOT has reviewed the Town's Preliminary Design Report (PDR) and issued comments. Maine DOT has also begun work related to the National Environmental Policy Act (NEPA). NEPA review is required on all projects with a federal action (funding/permits). Maine DOT is responsible for completing the NEPA process when a project has federal funding. Section 106 of the National Historic Preservation Act, Section 4(f) of the Department of Transportation Act, right of way, public meeting, hazardous material review, Section 7 of the Endangered Species Act and federal permitting level must be done before completing NEPA. Maine DOT will also be assisting the Town by providing Right-of-Way (ROW) assistance and certification.

The Town's consultants have responded to Maine DOT's comments and will be submitting the final PDR plans to MDOT for approval soon. The design work for underground utilities needs to begin in order to have good information to make a decision on whether or not to proceed with underground utilities.

Included with this action form is a plan showing the additional parking, the latest renderings of the intersection, boring plans and the planning level cost estimate information to move the overhead utilities underground.

### **PROJECT HISTORY**

- On Monday March 3, 2014 The Town of York, through the York Village Study Committee solicited Statements of Qualifications for planning, design, engineering and project management services for the York Village Masterplan, Design & Construction Documentation in historic York Village, Maine.
- On August 11, 2014 the York Board of Selectmen approved the Village Study Committees recommended phasing proposal for the York Village project and also awarded a contract to The Consultants of Downtown Revitalization Collaborative (TDRC) to complete the planning phase of the project (The Master Plan for York Village).
- On May 18, 2015 at 8:30 The Consultants of Downtown Revitalization Collaborative (TDRC) and the York Village Study Committee presented the York Village Master Plan to the York Board of Selectmen which completed the planning phase of the project.
- On July 6, 2015 the York Board of Selectmen approved the extension of the Town's contract with The Consultants of Downtown Revitalization Collaborative (TDRC) in the amount of \$304,060 for the Schematic Design/Preliminary Engineering and Design Development Phase of the revitalization of York Village.
- On July 21, 2015 the KACTS committee unanimously approved the York Village Improvement project appropriating \$545,107 for the first phase of construction.
- On September 23, 2015 Members of the York Village Study Committee and our consultant's (TDRC) met with representatives of the Maine DOT to discuss the KACTS Approved York Village Project.
- On November 3, 2015, the voters of York approved amending the Town's Comprehensive Plan to incorporate by reference the York Village Master Plan.
- On December 7, 2015, the York Board of Selectmen approved the Municipal-State Agreement with the proposed scope and estimated budget of \$38,000 for the Maine DOT to assist the Town of York and its consultants with all the federal and state regulatory processes.
- On May 21, 2016, the voters of York approved ballot article 60 allocating \$400,000 for the Town's 10% match for State and Federal funds to implement infrastructure improvements recommended in the York Village Master Plan.
- On July 18, 2016, the Board of Selectmen approved the Charter for the Village Revitalization Steering Committee and solicited volunteers for membership to the committee.
- On August 26, 2017, the KACTS Policy Committee unanimously approved using the entire Calendar Year 2019 allocation (\$795,027 including match) for the York Village Intersection Project construction costs.
- On September 27, 2017, the KACTS Policy Committee unanimously approved using the entire Calendar Year 2020 allocation (\$795,027 including match) for the York Village Intersection Project construction costs.

 On November 27, 2017 the Board of selectmen directed the Village Steering committee and the Department of public work to move forward with the phase 1 construction plans for the spring of 2020.

### **Construction Phase Funding Timeline**

2018 KACTS funding - \$545,107 Earliest available - October 1, 2017

2019 KACTS funding - \$795,027 Earliest available - October 1, 2018

2020 KACTS funding - \$795,027 Earliest available - October 1, 2019

**Total Approved Funding: \$2,135,161** 

RECOMMENDATION: The Village Steering Committee recommends using \$50,000 of the remaining project design funding to be used to improve the design and construction estimates for moving the overhead utilities in the Village Center underground in coordination with York Village Improvement Project.

PROPOSED MOTION: I move to approve the use of \$50,000 of the remaining project design funding to improve the design and construction estimates for moving the above ground utilities in the Village center underground in Coordination with the York Village Improvement Project

FISCAL IMPACT: \$50,000

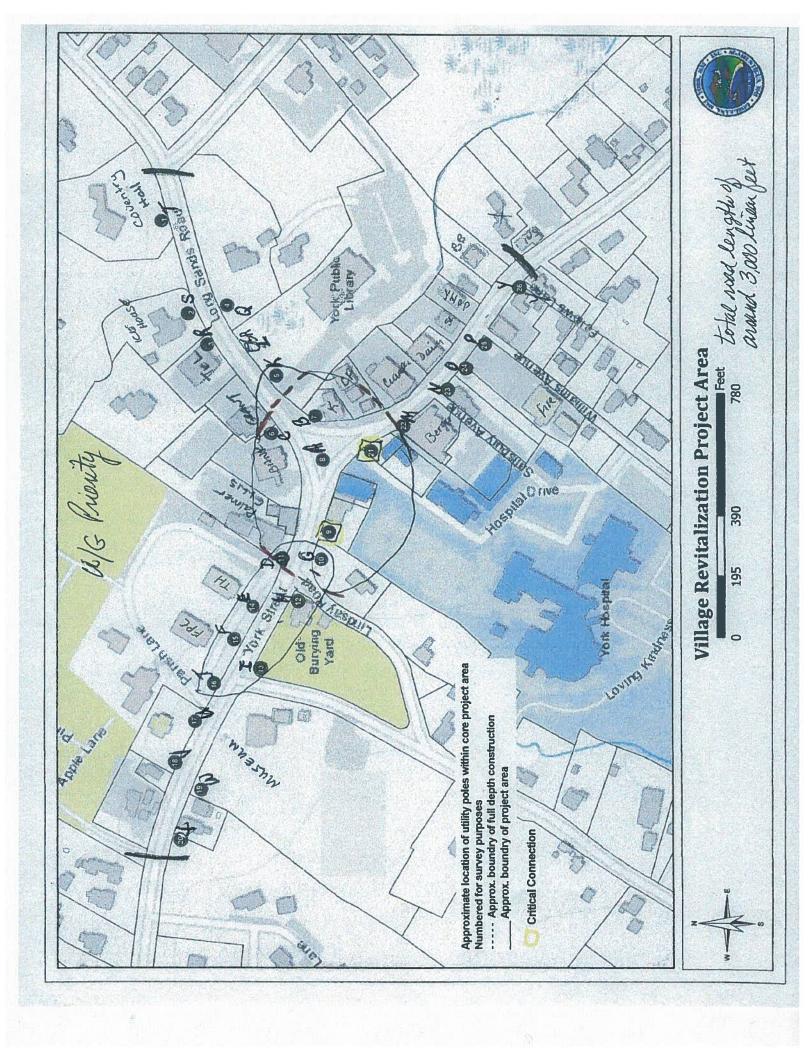
DEPARTMENT LINE ITEM ACCOUNT: 216.0000.8001

BALANCE IN LINE ITEM IF APPROVED: \$102,859.13

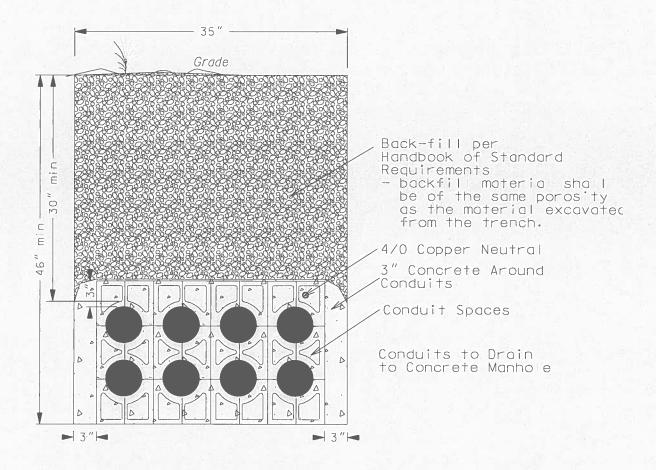
PREPARED BY: \_\_Dean Lessard\_\_\_\_\_ REVIEWED BY: \_

### York Village Utility Pole Ranking

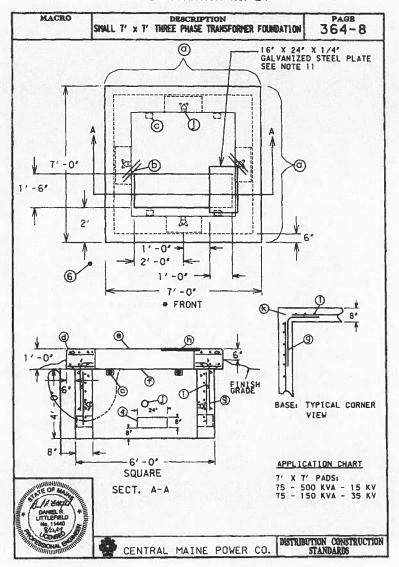
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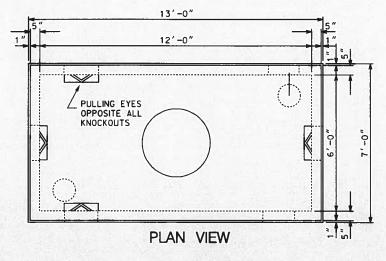


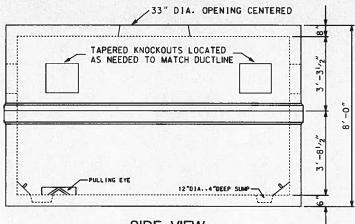
### 4x2 - 6 Inch Conduit Bank

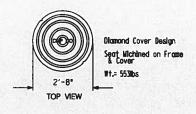


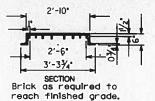
XII. ILLUSTRATION No. 24











COVER DETAIL

SIDE VIEW

### MANHOLE DETAIL

N.T.S. (Ref.Type: 38Y)

### NOTES

THIS DRAWING SHALL
BE REVISED ON THE
CADD SYSTEM ONLY

- 1) Vault shall be designed to withstand H20 wheel loading with 6 inches of overburden. The design shall also comply with the strength requirements of National Electrical Safety Code Section 323A. Provide shop drawings stamped by a State of Maine Registered Professional Engineer upon Request
- 2) Joints sealed with asphalt.
- Mountings for cable racks etc. cast in wall by further plans or field located.
- 4) Manhole shall be set on a suitable gravel base.
- Cables are to be racked along one wall only.

TENC TE	ORIGINAL	REVISED	REVISED
BY	MSR	REC	ART UTA
APPROVED	TSB	BAC	
APPROVED			
DATE	9/16/97	12/12/03	

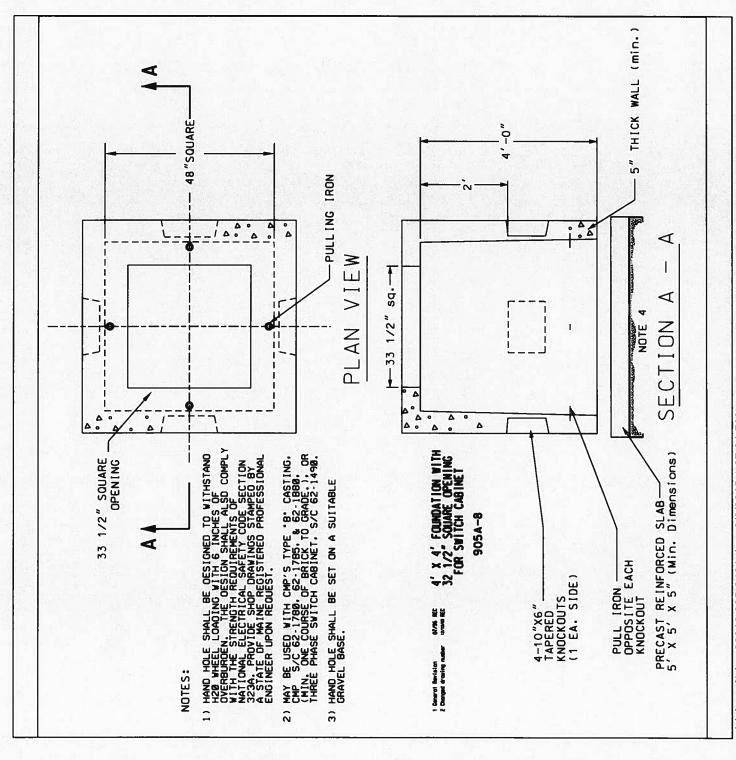




PRECAST CONCRETE 38Y MANHOLE

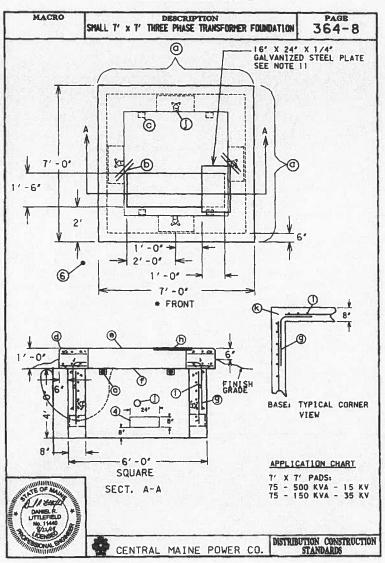
MAINE POWER CO. CENTRAL

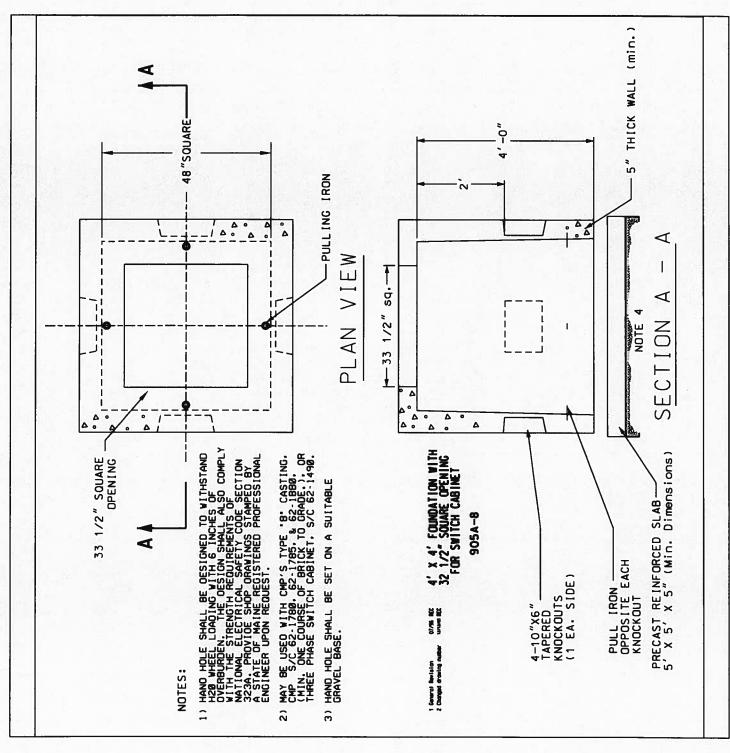
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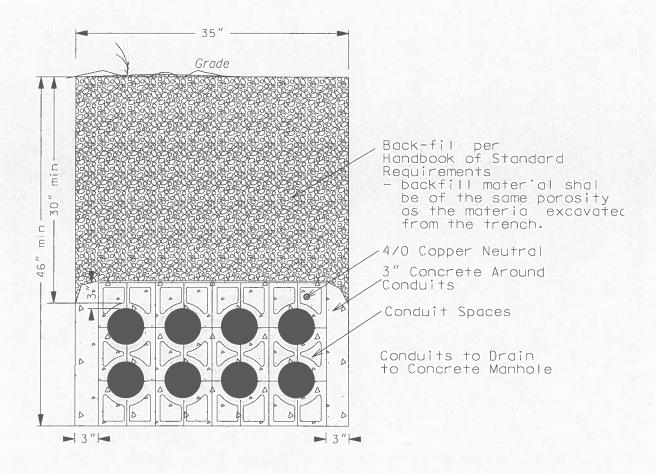
XII. ILLUSTRATION No. 24

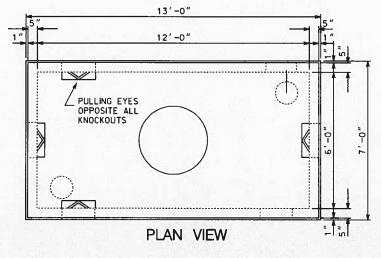


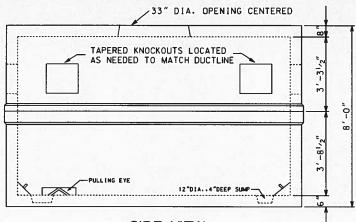


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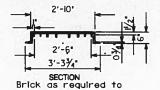
### 4x2 - 6 Inch Conduit Bank











COVER DETAIL

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SIDE VIEW

### MANHOLE DETAIL

N.T.S. (Ref.Type: 38Y)

### NOTES

- 1) Vault shall be designed to withstand H20 wheel loading with 6 inches of overburden. The design shall also comply with the strength requirements of National Electrical Safety Code Section 323A. Provide shop drawlings stamped by a State of Maine Registered Professional Engineer upon Request
- 2) Joints sealed with asphalt.
- Mountings for cable racks etc. cast in wall by further plans or field located.
- 4) Manhole shall be set on a suitable gravel base.
- Cables are to be racked along one wall only.

THIS DRAWING SHALL
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CADD SYSTEM ONLY

	ORIGINAL	REVISED	REVISED
BY	MSR	REC	
APPROVED	TSB	BAC	LT RET
APPROVED			
DATE	9/16/97	12/12/03	

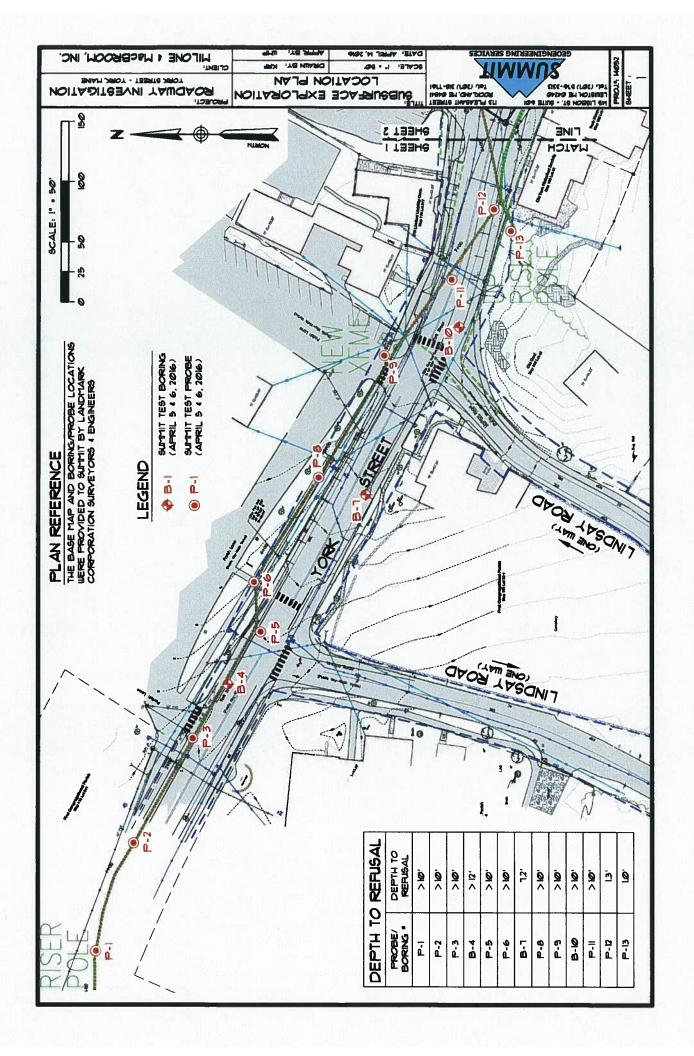


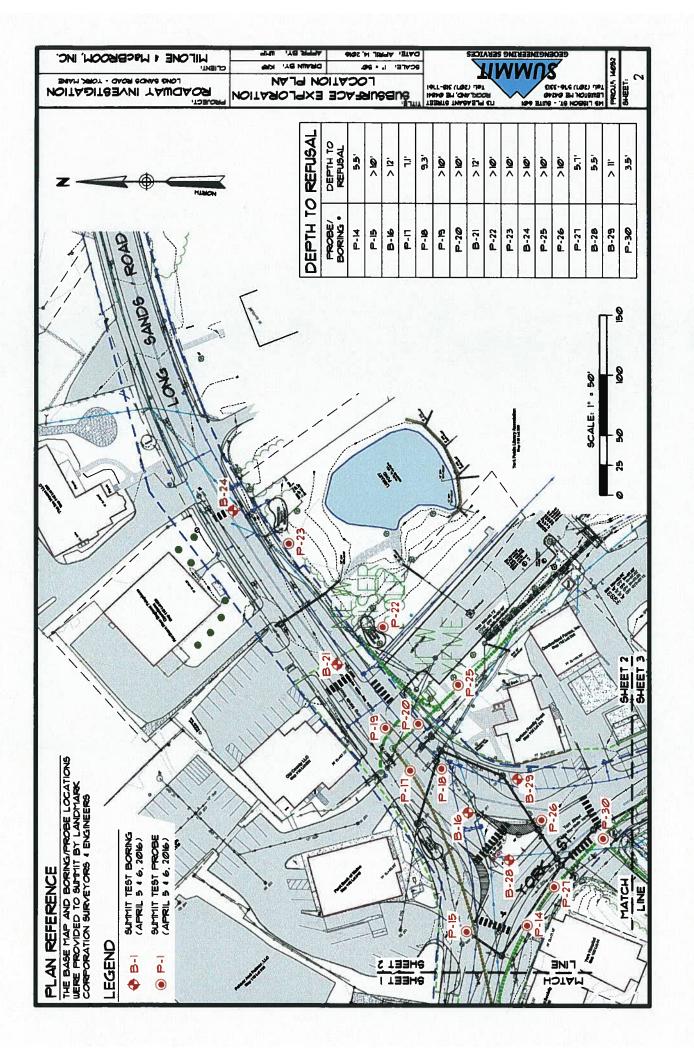


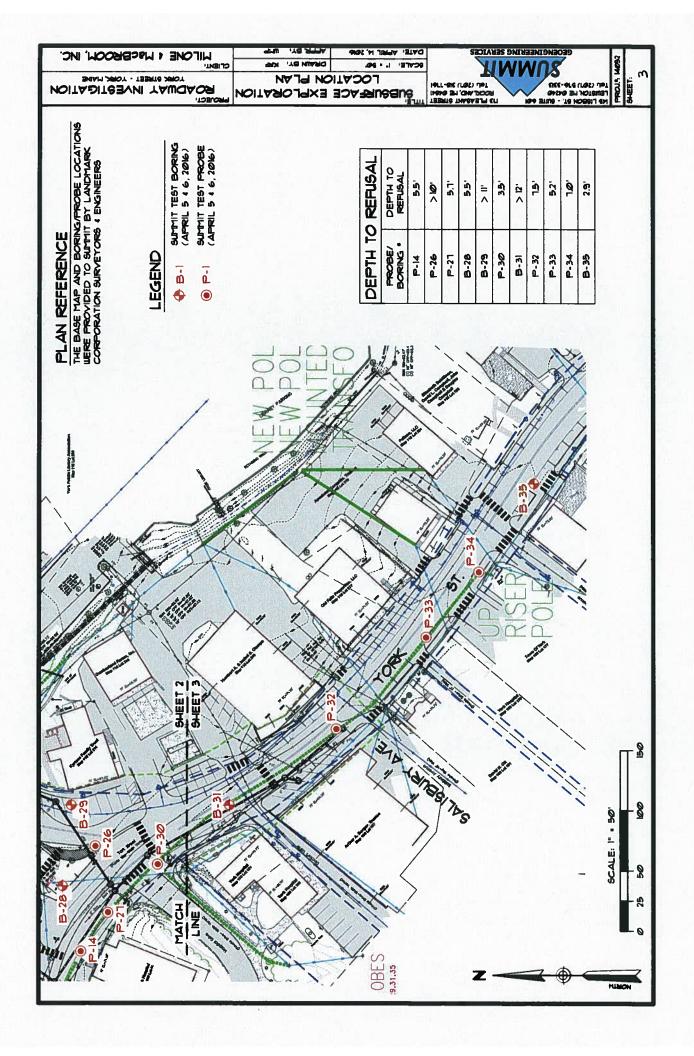
PRECAST CONCRETE 38Y MANHOLE

CENTRAL MAINE POWER CO.

905A-1









### Exploration Summary Table (1 of 3)

Project Name: York Village Revitalization Location: York Village, ME

14052 4/5/16 to 4/6/16

Notes				Grain Size Analysis on Gravel Sample		Performed in Sidewalk		Performed in Sidewalk		Grain Size Analysis on Gravel Sample		-	Performed in Grass		•
Groundwater Depth (ft)	3.7	7.0	5.9'	6.9'	NE	NE	NE	Ä	NE	NE	NE	NE	NE	NE NE	NE.
Subgrade Description	Olive brown SILT, little Sand, trace Gravel and Clay, mottled, ML	Light brown SILT, little Sand, trace Gravel and Clay, ML	similar to Gravel Description, Brick pieces directly below gravel	Olive brown SILT, little Sand, trace Gravel and Clay, mottled, ML	similar to Gravel Description, Cobbley drilling	Light brown SAND (Native), little Silt, trace Gravel, Cobble at 9"	similar to Gravel Description	Dark brown fine Sandy SILT (Old Topsoil) at 28" depth	similar to Gravel Description, Cobbley drilling	similar to Gravel Description, crushed Rock Fill	Brown Silty SAND, little Gravel, Gravels/Cobbles during drilling		Dark brown fine Sandy SILT (Topsoil)	Tan Silty SAND (Native), little Gravel, trace Clay, humid	Light brown SAND, little to some Silt, dry
Gravel Description	Brown Sandy GRAVEL, little Silt, trace Clay, humid, compact, GP-GM	Black Sandy GRAVEL, little to some Silt, humid to moist, loose, GP-GM	Brown to tan Gravelly SAND, little to some Silt, humid, compact, SP-SM	Brown Gravelly SAND, little Silt, compact, humid, SW-SM	Brown to tan Gravelly SAND, little to some Silt, humid, compact, SP-SM	Dark brown Gravelly SAND, trace to little Silt, trace Clay, Light brown SAND (Native), little Silt, trace Chavel, Cobble at 9'	Brown Gravelly SAND, little Silt, compact, humid, SW-SM	Dark brown Gravelly SAND, trace to little Silt, trace Clay, humid to moist, SP-SM	Brown GRAVEL, little Sand and Silt, humid, compact, GP	Brown Gravelly SAND, little Silt, compact, humid, SW-SM	Dark brown Gravelly SAND, little Silt, trace Clay, humid to moist, SP-SM	Brown GRAVEL, little Sand and Silt, humid, compact, GP		Brown Gravelly SAND, little Silt, compact, humid, SP-SM	Brown Gravelly SAND, Intle Silt, compact, humid, SP-SM Light brown SAND, little to some Silt,
Gravel Thickness	.01	4"	18"		20"	9*	12"	.9*	16"	12"	28"	7"	N/A	15"	24"
Pavement Thickness (in)	10"	7"	11.	*8	12"	#3"	 80	#3"	7"	,6	10"		N/A	200	10"
Bedrock Depth (ft)	> 10,	> 10,	>10,	>12'	>10,	>10,	7.2'	>10,	>10,	>10,	>10,	1.3'	1.0'	5.5'	>10,
Exploration No.	I-d	P-2	P-3	B-4	P-5	P-6	B-7	P-8	P-9	B-10	P-11	P-12	P-13	P-14	P-15

Explorations were performed using an AMS Power Probe drill ing Gravel sampling was performed with a 3.5" diameter gravel punch/sqil sampler from the
pregnetar united to 6 again 3 feet. Solid stem augers were used to drill at depths greater than 3 feet. Split spoon samples were obtained in the borings at a depth of
10 \* Feet and 10 to 12 feet in the borings.

- 2.) Borings are denoted with a "B" and probes are denoted with a "P"
  - 3.) Boring/probe explorations were performed on April 5 and 6, 2016.
- 4.) Gravel description and classification is based on visual observation and the results of five gradation analyses performed on the gravel fill. Pavement thickness was measured during the explorations. Subgrade description based on visual observation from the gravel punch sampler and auger spoils.
  5.) Groundwater depths were measured during the explorations and may not represent long-term conditions.
  - - 6.) N/A = Not applicable, NE = None encountered
- 7.) \* = Measurement of sidewalk pavement and gravel thicknesses



### Exploration Summary Table (2 of 3)

14052 4/5/16 to 4/6/16

Project Name: York Village Revitalization Location: York Village, ME

			_		_										
Notes				•		Grain Size Analysis on Gravel Sample	Performed in Grass	Performed in Grass		Performed in Grass			Performed in Grass (Intersection Median)	Grain Size Analysis on Gravel Sample	
Groundwater Depth (ft)	10.9	R	6.2'	8.5'	,0'6	5.7'	6.0*	3,4'	5.4'	NE	6.2'	NE NE	NE	6.7'	景
Subgrade Description	Olive brown Clayey GRAVEL, little Sand and Silt, humid, GC	Brown Silty SAND, little Gravel and Clay	Brown Silty SAND, little Gravel and Clay	Dark Brown Sandy GRAVEL, some Cobbles, little Silt and Clay (Till)	Dark Brown Sandy GRAVEL, some Cobbles, little Silt and Clay (Till)	Tan-brown Silty fine SAND, slightly mottled, compact, wet, SM	Reddish-brown Sandy SILT (Native), soft, moist to wet, little Clay	Black Clayey SILT, organics, soft, wet, ML	Brown Silty SAND, little Gravel and Clay	Reddish-brown Sandy SILT (Native), soft, moist to wet, little Clay	Tan Silty SAND, blasted rock in auger spoils	Dark Brown Sandy GRAVEL, little Cobbles, little Silt and Clay (Till)	Dark brown fine Sandy SILT, little organics and rootlets (Topsoil)	Olive brown Clayey SILT, mottled, trace fine Sand and Gravel	similar to Gravel Description
Gravel Description	NE	Brown Gravelly SAND, little Silt, trace Clay, compact, humid, SP-SM	NE	NE	Brown Gravelly SAND, little Silt, moist, loose, SP	Light brown Gravelly SAND, little Silt, humid, compact, SP-SM	•	- 1	Light brown Silty GRAVEL, little to some Sand, trace Clay, humid, GM		NE	Brown Gravelly SAND, little Silt, trace Clay, compact, humid, SP-SM	-	Light brown Gravelly SAND, little Silt, humid, compact, SW-SM	Brown Gravelly SAND, little Silt, moist, loose, SP-SM
Gravel Thickness	.0	,10"	0	.0	.9	12*	N/A	N/A	12"	N/A	.0	15"	N/A	12"	20"
Pavement Thickness (in)	12"	12"	12"	12"	9	12"	N/A	N/A	12"	N/A	14"	**0	N/A	-11	
Bedrock Depth (ft)	>12'	7.1	9.31	>10	>10,	>12	>10,	>10,	>10,	>10	>10	5.7"	5.5'	>11;	3.5'
Exploration No.	B-16	71 <b>-</b> 4	P-18	P-19	P-20	B-21	P-22	P-23	B-24	P-25	P-26	P-27	B-28	B-29	P-30

### NOTES:

- 1.) Explorations were performed using an AMS Power Probe drill rig. Gravel sampling was performed with a 3.5" diameter gravel punch/soil sampler from the pavement surface to a depth 3 feet. Solid stem augers were used to drill at depths greater than 3 feet. Split spoon samples were obtained in the borings at a depth of 5 to 7 feet and 10 to 12 feet in the borings.
- 2.) Borings are denoted with a "B" and probes are denoted with a "P"
- 3.) Boring/probe explorations were performed on April 5 and 6, 2016.
- 4.) Gravel description and classification is based on visual observation and the results of five gradation analyses performed on the gravel fill. Pavement thickness was measured during the explorations. Subgrade description based on visual observation from the gravel punch sampler and auger spoils.
- 5) Groundwater depths were measured during the explorations and may not represent long-term conditions.
- 6.) N/A = Not applicable, NE = None encountered
- 7.) \* Measurement of sidewalk pavement and gravel thicknesses



## Exploration Summary Table (3 of 3)

Project Name: York Village Revitalization Location: York Village, ME

4/5/16 to 4/6/16

Exploration No.	Bedrock Depth (ft)	Pavement Thickness (in)	Gravel Thickness	Gravel Description	Subgrade Description	Groundwater Depth (ft)	Notes
B-31	>12'	**8	.07	Brown Gravelly SAND, little Silt, humid, compact, SW-SM	Dark brown Silty SAND, slightly mottled, wet, dense	8.0'	Grain Size Analysis on Gravel Sample
P-32	7.5'	**0	12"	Light brown Sandy GRAVEL, little Silt, humid, compact, GP-GM	Dark brown Silty SAND, slightly mottled, wet, dense	5.0′	
P-33	5.2	6	12"	Brown Gravelly SAND, little Silt, humid, compact, SP-SM	Crushed rock and brick pieces	NE	
P-34	7.0'	8	9	Brown SAND, little Gravel and Silt, humid, compact, SP- Crushed rock overlying Clayey Silt (Glacial Till), wet, compact	Crushed rock overlying Clayey Silt (Glacial Till), wet, compact	4.0	
B-35	2.9	**8	.0	-	Brown Sandy SILT, moist to wet, trace Gravel	2.9	

### NOTES

- 1.) Explorations were performed using an AMS Power Probe drill rig. Gravel sampling was performed with a 3.5" diameter gravel punch/soil sampler from the pavement surface to a depth 3 feet. Solid stem augers were used to drill at depths greater than 3 feet. Split spoon samples were obtained in the borings at a depth of 5 to 7 feet and 10 to 12 feet in the borings.
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		^					Boring #:	B-4		
		SUM	AART			Project:	York Village Re	evitalization	Project #:	14052
		30/41	MILL			Location:	York St. and L		Sheet:	1 of 1
100		GEOENGINEERI	ING SERVICES			City, State:	York Village, M		Chkd by:	
Drilling	Co:	Summit Geoer	gineering Se	rvices		Boring Elevation				
Driller:		C. Coolidge, P	.E.	187		Reference:				
Summit	Staff:	M. Hardison, E		William II.		Date started:	4/6/2016	Date Completed:	4/6/2016	
DI	RILLING	METHOD	S	AMPLER				ESTIMATED GROUND W	ATER DEPTH	
Vehicle:		Tracked	Length:	24" SS	10/0/0//	Date	Depth	Elevation	Re	ference
Model:		IS Power Probe		2"OD/1.5"	ID	4/6/2016	6.9 ft.		Augers pulled	
Method:		lid Stem Auger		140 lb						
Hamme	Style:	Auto	Method:	ASTM D15	86	196	11.54			
Depth							SAMPI		Geological/	Geological
(ft.)	No.	Pen/Rec (In)	Depth (ft)	blows/6"	N <sub>60</sub>		DESCRIP		Test Data	Stratum
	GS-1	36/36	0 to 3	PUSH		8" Pavement, bo	ottom 4" very lo	ose		PAVEMENT
1	Usin III			I I I I		90 0 185				TATE TENT
						Brown Gravelly	SAND, little Silt,	compact, humid, SW-SM	Gravel = 37.9%	
2.		-101							Sand = 50.8%	FILL
,									Silt/Clay = 11.3%	Wile of the second
3	-		-	-	-				91 200	Tava ava inv
4	W.S.					100			A 20 Mar 4	
						- L			control of the second	
5						Direction of			5 - 10	20 AL 1 V
1	S-1	24/12	5 to 7	*2		*due to loose ca	aved soil at sam	ple depth	Topas I	
6				10				ace Gravel and Clay,		
-	11/1			13		mottled, ML				
7				12		Dark tan Silty S	AND, slighty mo	ttled, trace Gravel,	Groundwater	
						humid, SM			7 11 2	MARINE NEARSHORE
8									N N N TO THE	DEPOSIT
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9_										. 7 1
10_							V E -			
	S-2	24/14	10 to 12	10			trace Silt, little	to some fine Gravel,		
11_	-			13		wet, SP				
- 13				10	-					
12	-			14	-	End of Boring at	12 0 foot no n	ofucal		
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22										
		W [ 21								
Granul	ar Soils	Cohesiv	e Soils	% Comp	osition	NOTES:	PP = Pocket Per	netrometer, MC = Moisture Co	entent	Soil Moisture Condition
Blows/ft.	Density	Blows/ft.	Consistency	ASTM D				t, PI = Plastic Index		Dry: S = 0%
0-4	V. Loose	<2	V. soft			Bedrock Joints				Humid: S = 1 to 25%
5-10	Loose	2-4	Soft	< 5% 1	race	Shallow = 0 to 35	degrees			Damp: S = 26 to 50%
11-30	Compact	5-8	Firm	5-15%	Little	Dipping = 35 to 5	5 degrees			Moist: S = 51 to 75%
31-50	Dense	9-15	Stiff	15-30%		Steep = 55 to 90	degrees			Wet: S = 76 to 99%
>50	V. Dense		V. Stiff	> 30%	With					Saturated: S = 100%
		>30	Hard					Cobbles = diameter < 12 inche		
		21 11				Gravel = < 3 inch	and > No 4, Sand	$d = \langle No 4 \text{ and } \rangle No 200, Silt$	/Clay = < No 200	

TEI		/					SOIL BORI	NG LOG	Boring #:	B-7
	,	SUMMI				Project:	York VIIIage R	evitalization	Project #:	14052
	GE	DENGINEERING SER	/ICES			Location:	York St. and L		Sheet:	1 of 1
			11 10			Clty, State:	York Village, N	laine	Chkd by:	
Drilling	Co:	Summit Geoe		ervices		Boring Elevatio	n:			
Driller:	Ch-EE.	C. Coolldge, F		200000		Reference:	4/6/2016	Data Completed	4/5/2016	Maria
		M. Hardison, METHOD		AMPLER	_	Date started:	4/6/2016	Date Completed:	4/6/2016	
Vehicle:		Tracked	Length:	24" SS		Date	Depth	ESTIMATED GROUNI Elevation		eference
Model:		S Power Probe		2"OD/1.5"	'ID	4/6/2016	Бери	Lievadoli	none encountered	referice
Method		lid Stem Auger		140 lb		7.7				
Hamme	r Style:	Auto	Method:	ASTM D1	586					
Depth							SAMPI	E	Geological/	Geological
(ft.)	No.	Pen/Rec (in)	Depth (ft)	blows/6"	N <sub>60</sub>		DESCRIP		Test Data	Stratum
	GS-1	36/36	0 to 3	PUSH		8" Pavement, b	oottom 4" very lo	oose		PAVEMENT
1_						Busines Conveille	CAND IIM CIL	someont humid Cit	( CA4	
2				$\vdash$	-	Brown Gravelly	SAND, IILLE SIIL	, compact, humid, SW	-2141	FILL
						+				
3			Dani S M.	+						
			, a	1 67						
4						Committee on				
5									unskri i - i	
٥.	S-1	24/14	5 to 6.5	2	-	same as above	(FILL)			The The Trans
6		- 41.	5 25 0.5	3		1-2 33 45046	(. 111)			
	9 -		nc Salawi	8					E Province =	e lelege line
7			1 - 0	*	Tin			y driller at 6.5' depth		
H						End of Boring a	at 7.2 feet, Auge	r Refusai		PROBABLE BEDROCK
8_										
9	- 400			-		H or ma			The way	
					TAX DE					
10										1000
									- 1 4 4 7 7 1	ELL A CALINE
11										
						po ivi				- X
12_	-			10.0	-					1
13										
					THAT !					
14				1987						The Company of the In-
4.5					1	K = 181 E				
15_	-				-	31				
16	_									
HOT SE										
17	4.6 - 1									
18_		20.0	-	12 116						
19	-								100,733	
			المراجات						V W W Y	
20_	L II V		WELL !							
						Y I I W I II I				
21_					-	- Pilip			u a ve in ni	North All Life
22		-								
						1				
	ar Solls	Cohesiv	e Soils	% Comp		NOTES:	PP = Pocket Per	netrometer, MC = Moist	ire Content	Soil Moisture Condition
_	Density	Blows/ft.	Consistency	ASTM D	2487		LL = Liquid Limi	t, PI = Plastic Index		Dry: S = 0%
0-4	V. L0096		V. soft			Bedrock Joints	F 4-11-11			Humid: S = 1 to 25%
5-10	Compac	2-4 5-8	Soft	< 5% 7		Shallow = 0 to 3	- 11 <del>-</del>			Damp: S = 26 to 50%
11-30 31-50	Compac	5-8 9-15	Firm	5-15% 15-30%		Dipping = 35 to ! Steep = 55 to 90	_			Moist: S = 51 to 75% Wet: S = 76 to 99%
>50	V. Dense		V. Stiff	> 30%		Sicep - 33 to 90	acyrees			Saturated: S = 100%
	, , , ,	>30	Hard	1		Boulders = diame	eter > 12 inches.	Cobbles = diameter < 1	2 inches and > 3 inches	20070
			- 1 T					id = < No 4 and > No 20		

		^^			_	COTI DODVING LO			
		CHIAAAAK	r			SOIL BORING LO		Boring #:	B-10
	GE	DENGINEERING SERV	TOES						14052
			View PY						1 or 1
Drilling	Co:	Summit Geoe	ngineering Se	rvices	_	Boring Elevation:		CIKO Dy.	
Driller:		C. Coolidge, P	AND DESCRIPTION AND DESCRIPTIO			Reference:		HATE -	
Summit	Staff:	M. Hardison, I						4/6/2016	
		METHOD		AMPLER				TER DEPTH	
Vehicle:		Tracked	Length:	24" SS	70				erence
Model: Method:		S Power Probe lid Stem Auger		2"OD/1.5" 140 lb	ID	4/6/2016 -		none encountered	
Hamme		Auto	Method:	ASTM D15	86		100		
Depth				makes:		SAMPLE		Geological/	Geological
(ft.)	No.	Pen/Rec (In)	Depth (ft)	blows/6"	N <sub>60</sub>	DESCRIPTION		Test Data	Stratum
	GS-1	36/36	0 to 3	PUSH		9" Pavement, bottom 4" very loose			PAVEMENT
1.				-	2 67.50	Provin Canvally CAND little City compa	at homeld CM CM	Course 40 FO	
2	-				-	Brown Gravelly SAND, little Silt, compac	ct, numia, SVV-SM		FILL
X								Silt/Clay = 6.2%	
3							100		
			-						
4.	1								
5	Steel Control					sample collected: * = disturbed blow			
	DS-1	24/2	5 to 7	*3	9			1	
6_				*4			rushed rock		
7		estimate in the		*4		pleces observed in hole	- 5 11 - 2111		
1						me. I was the first the same of the same o	York St. and Long Sands Rd.  York Village, Maine  Af6/2016  ESTIMATED GROUND WATER DEPTH  Depth Elevation Reference  SAMPLE Geological/ Test Data Strature  DESCRIPTION Test Data Strature  SAMPLE Geological/ Test Data Strature  PAVEMEI  PAVEMEI  SAMPLE Geological/ Test Data Strature  PAVEMEI  SAMPLE Geological/ Geological/ Test Data Strature  PAVEMEI  SAMPLE Geological/ Test Data Strature  PAVEMEI  SAMPLE Geological/ Geological/ Test Data Strature  PAVEMEI  SAMPLE Geological/ Geological/ Test Data Strature  PAVEMEI  SAMPLE Geological/ Geological/ Geological/ Test Data Strature  SAMPLE Geological/ Geo		
8									
9_	-							TWO IN T	
10			170,10° 53° An		-			TW TO THE	
						End of boring at 10.0 feet, no refusal			
11									
12				5352 150 2				The William	
12_	+								
13								1 702	
14_									
15	-							William St. St.	
13-				Luje-			- L		
16					ALC: N				
								U55 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
17_									
18					- 15		-35.5	- A 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
8/4	) UIII						0 45		
19_		in the way was	TANK TANK	e INV				X = # 1	
20				II VERT	-				
20_							1 3/4 E 1/4/1   1	11 11 110	
21_				- 2			71.0	V S	
							the figure of	E V	
22_					1L.			12 March	
					3.0				
Granut	ar Soils	Cohesiv	e Soils	% Compo	osition	NOTES: PP = Pocket Penetromete	er, MC = Moisture Co	ontent	Soll Moisture Condition
Blows/ft.		Blows/ft.	Consistency	ASTM D					Dry: S = 0%
0-4	V. Loose		V. soft	,2 nH.		Bedrock Joints			Humid: S = 1 to 25%
5-10	Loose	2-4 5-8	Soft	< 5% T		Shallow = 0 to 3S degrees		VII III	Damp: S = 26 to 50%
11-30 31-50	Compact Dense	5-8 9-15	Firm Stiff	5-15% 15-30%		Dipping = 35 to 55 degrees Steep = 55 to 90 degrees		-vi -vi	Moist: S = 51 to 75% Wet: S = 76 to 99%
>50	V. Dense		V. Stiff	> 30%		and the second s			Saturated: S = 100%
		>30	Hard			Boulders = diameter > 12 inches, Cobbies =	= dlameter < 12 inch	nes and > 3 inches	
		î .				Gravel = < 3 inch and > No 4, Sand = < No	4 and >No 200, Sil	t/Clay = < No 200	

		<u></u>					SOIL BORI	NG LOG	Boring #:	B-16
	2	UMMI	X			Project:	York VIIIage R	evitalization	Project #:	14052
	GEOI	NGINEERING SER	VICES			Location:	York St. and L	ong Sands Rd.	Sheet:	1 of 1
		WAR-PARTY.				City, State:	York Village, N	1aine	Chkd by:	
rilling (			ngineering Se	ervices		Boring Elevatio	n:			
riller:		C. Coolidge,				Reference:				
ımmit !	Starr: ILLING N	M. Hardison,		AMPLER		Date started:	4/5/2016	Date Completed:	4/5/2016	
ehicle:	ILLING P	Tracked	Length:	24" SS	-	Date	Depth	ESTIMATED GROUND Elevation		eference
lodei:	AMS	Power Probe		2"OD/1.5"II		4/5/2016	10.9 ft.	Cievauuii	Augers pulled	ererence
lethod:		Stem Auge		140 lb		7,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Togeto paneo	
ammer		Auto	Method:	ASTM D158	6					
epth							SAMPI	E	Geological/	Geological
(ft.)	No.	Pen/Rec (in)	4	blows/6"	N <sub>60</sub>		DESCRIP		Test Data	Stratum
	GS-1	36/36	0 to 3	PUSH	10	12" Pavement,	bottom 6" very	loose		PAVEMENT
1_						Olhus hassus Cla	CDAVEL III	He Could and Cills burns		
2						GC brown Cla	iyey uKAVEL, III	tte Sand and Silt, humi	u,	FILL
-		YI V V	E i per							FILL
3_	8			+	MILL				No Inches	
				mo s						The second
4_					44				The state of the	
	-			3 1						157
5_	S-1	24/16	5 to 7	9		Olive brown to	dark hrown Ges	velly SAND, little Silt,		11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
6	31	21/10	3.07	14				, humld, compact, SM		
		9351		14			100 100			
7_			80	18				III All assessment	11 11511 = 11	
	(1)									
8_										MARINE NEARSHOR
9									v i pari La callina	DEPOSIT
-				22.3					one or referring	N TO THE
10									(1 + (1 + (1 + (1 + (1 + (1 + (1 + (1 +	
	S-2	24/18	10 to 12	12				edium Gravel and Silt,	Groundwater	
11_		14		13		wet, compact,	SP			
12	-			12	-					
14-				- 0		End of Boring a	t 12.0 feet, no	refusal		
13						End of borning o	12.0 1000, 110 1	Ciusui	V* 1	
٦										The many of
14									Line / N	
15	300									79 1 -11
12										T
16										VI 0.306
			0 0 0		11 (5)					
17_	w T		1278778			galle <sub>a</sub> W			35	
					HEST					
18_	8									
19	SULTANIES.									
112		1, _1111								
20						102				
									nage a T	
21										E
22					- 400	fe y				
	- 8				A	1 Y			The state of the state of	11111111
							341 W = 11 =			
Granula	_	Cohesi		% Composi	-0.00	NOTES:		netrometer, MC = Moistur	re Content	Soil Moisture Conditio
_	Density	Blows/ft.	Consistency	ASTM D24	$\overline{}$		LL = Liquid Limi	t, PI = Plastic Index		Dry: S = 0%
	V. Loose	<2	V. soft	- CD1 -		Bedrock Joints	dances			Humid: S = 1 to 25%
-10 1-30	Loose	2-4 5-8	Soft Firm	< 5% Tra 5-15% Lit		Shallow = 0 to 3!				Damp: S = 26 to 509
1-50 1-50	Dense	5-8 9-15	Stiff	15-30% Sc	- 1	Dipping = $35 \text{ to } 90$ Steep = $55 \text{ to } 90$				Moist: S = 51 to 759 Wet: S = 76 to 99%
	V. Dense	16-30	V. Stiff	> 30% W	- 1	- July - JJ W 30				Saturated: S = 100%
>50 \	A. DELIZE									

		//				S	OIL BORI	NG LOG	Boring #:	B-21
	2	MMU				Project:	York VIIIage Re		Project #:	14052
	GÉOI	ENGINEERING SERV	rices			Location:	York St. and L		Sheet:	1 of 1
						City, State:	York Village, N	1alne	Chkd by:	
rilling (		Summit Geoer		rvices	И	Boring Elevation	1:			
riller:		C. Coolidge, P				Reference:	4/5/2016	Data Carallatura	45.0046	Minara Land
		M. Hardison, E METHOD		AMPLER	-	Date started:	4/5/2016	Date Completed:	4/5/2016	
ehlcie:		Tracked	Length:	24" SS	-	Date	Depth	ESTIMATED GROUND W Elevation	r	ference
lodel:		Power Probe		2"OD/1.5"	ID	4/5/2016	5.7 ft.	Lievadon	Augers pulled	referice
lethod:		d Stem Auger		140 lb						
	Style:	Auto	Method:	ASTM D15	86					
epth							SAMPL		Geological/	Geological
(ft.)		Pen/Rec (in)		blows/6"	N <sub>60</sub>	Est .	DESCRIP		Test Data	Stratum
	GS-1	36/36	0 to 3	PUSH		12" Pavement, t	pottom 4" very	loose		PAVEMENT
1_						Light brown Gra	woller CAND HA	de Silt, humid, compact, S	Gravel = 31.5%	
2						Light brown Gra	ivelly SAND, IIII	ie siit, numiu, compact, s	Sand = 57.6%	FILL
	9700	HL C. E.	5 1 m 7 %			Fres Isvir			Silt/Clay = 10.9%	
3_		ICE LINE		+		01111				
			National Security	N A	wo. i	L. Y				
4_										LE CONTRACTOR DESCRIPTIONS
5										MADINE AIRADOLIOS
5_	S-1	24/12	5 to 7	4	100	Tan-brown Silty	fine SAND, slid	htly mottled, compact,	Groundwater	MARINE NEARSHOF DEPOSIT
6				4		wet, SM	or and , sing	,caca, compact,	O. Co Givator	DEF 0311
			- V	9						
7_		<u> </u>	9 11 11	11						
8_		-				- 4				
9	-		11.20							
-			0-1							
10			1 7.15							
	S-2	24/20	10 to 12	9		same as above,	dense		•×	
11_				15						
12				24						
12_	1			20		End of Boring at	t 12 fl feet no r	efucal		
13						1 5 55 1119 80	1004/ 110 1	u. dout	1,000	18
				N II						
14_				e cale						
4.5			2							100
15_										
16										4 100
	1100 P								grand	The Control of
17_	110		l That is			12 - 1				1 70
				DATE:					a, V	
18_					7.					V8
19			No.						167 11 11 11	
	8			24 E M300 B	6250E - 0				N was a second	1 1 1 1 1 1 1
20_				1 1 1						n E i i i i i
				8 8						
21_			earre v			The system			11101	
22										
- 22			1	*	STA					
all Control		gE 41 89								
Granula	Granular Soils Cohesive Soils % Composition				osition	NOTES:	PP = Pocket Per	netrometer, MC = Moisture (	Content	Soil Moisture Condition
	Density	Blows/ft.	Consistency	ASTM D	2487		LL = Liquid Limi	t, PI = Plastic Index		Dry: S = 0%
	V. Loose	<2	V. soft		II. J.C.	Bedrock Joints				Humid: S = 1 to 259
5-10	Loose	2-4	Soft	< 5% T		Shallow = 0 to 35				Damp: S = 26 to 509
1-30 1-50	Compact	5-8 9-15	Firm Stiff	5-15% 15-30%		Dipping = 35 to 5 Steep = 55 to 90				Moist: S = 51 to 75°
	V. Dense	16-30	V. Stiff	> 30%		- 55 to 90	ocy: ccs			Wet: S = 76 to 99% Saturated: S = 1009
		>30	Hard	30,0		Boulders = diame	ter > 12 inches.	Cobbles = diameter < 12 inc	thes and > 3 inches	January 1005
	111			23				nd = < No 4 and >No 200, S		

		<u> </u>	-37.2	× H		S	OIL BORI	NG LOG	Boring #:	B-24
	,	SUMMI				Project:	York Village R	evitalization	Project #:	14052
	GEC	ENGINEERING SERV	TCEs			Location:	York St. and L	ong Sands Rd.	Sheet:	1 of 1
						City, State:	York Village, N	1aine	Chkd by:	
Drilling	Co:	Summit Geoe	ngineering Se	ervices		Boring Elevation	1:			7/200
Driller:		C. Coolidge, P				Reference:				10.500
Summit		M. Hardison, I				Date started:	4/5/2016	Date Completed:	4/5/2016	
		METHOD		AMPLER				ESTIMATED GROUND V		
Vehicle:		Tracked	Length:	24" SS		Date	Depth	Elevation		ference
Model:		S Power Probe		2"OD/1.5"	'ID	4/5/2016	5.4 ft.		Augers pulled	
Method: Hamme	Shilor	id Stem Auger Auto	Method:	140 lb ASTM D1!	-06	Harrier -				
P 0	Style.	Auto	Mediod.	ASTIN DI.	000	+	SAMPI		Coological/	Coological
Depth (ft.)	No.	Pen/Rec (In)	Depth (ft)	blows/6"	N <sub>60</sub>		DESCRIP		Geological/ Test Data	Geological Stratum
(16)	GS-1	36/36	0 to 3	PUSH	1100	12" Pavement, I	The second second second	All all and a second se	TCSC DOLL	Suatum
1	65-1	30/30	0.003	10311		- Pavement,	octom o very	louse	10.13	PAVEMENT
						Light brown Silt	v GRAVEL, little	to some Sand, trace		
2						Clay, humld, GM		isticu		FILL
			R III I					MI N N N I I I		
3			gür			Brown Silty SAN	D, little Gravel	and Clay		
1		VIII TO SAN								
4_										
III/Vo				10 11 11						
5_	C .	24/42	E to 7		-	Dork brane Cit	CAND	a little Convet	Consultation 1	The Park of the Control
_	S-1	24/12	5 to 7	13			y SAND, trace t	o little Gravei, compact,	Groundwater	
6_				16		damp, SM			\$ 11 N	
7				11					Pin 18 v u	
8									ira uni	ETE * Ve
										× 100
9_										
		1000							Mark Mark	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
10_						could not sample				
		100 cm (100 mm)				End of Boring at	t 10.0 feet, no i	efusal		
11_				-		- XV Y				
12					100.000				The little	Land The
12_	_	-			_	-			A ALLENDA S	
13		-							N III EO	000
-										
14									Marie 1	
						THE EXCEPTION				
15_				1010-101	36-01-71					
						Layl IV.				191
16_	- 1	1							W-1	
47					0 0				A STORY	
17_	-								Y THE STREET	100
18		5 //solians		te decision		p 10				8 18 11 1/2
10-					Parameter.					
19				( = 1 1		T V TILL			E C N	W
20_					177	11, 723				
										L = - THE
21_		Part Water Street		-					(1) to 1 = 1	
33										em grapan "V"
22_		2 0000 3000	A 25 17 45 18		-					
						-				
Granula	ar Soils	Cohesiv	e Soils	% Comp	osition	NOTES:	PP = Porket Por	netrometer, MC = Moisture	Content	Soil Moisture Condition
	Density	Blows/ft.	Consistency	ASTM D				t, PI = Plastic Index	- Contain	Dry: S = 0%
0-4	V. Loose		V. soft			Bedrock Joints	Liquid Lilli	y . a		Humld: S = 1 to 25%
5-10	Loose	2-4	Soft	< 5% 1	race	Shallow = 0 to 35	degrees			Damp: S = 26 to 50%
	Compac		Firm	5-15%		Dipping = 35 to 5				Moist: S = 51 to 75%
31-50	Dense	9-15	Stiff	15-30%	Some	Steep = 55 to 90				Wet: S = 76 to 99%
>50	V. Dense	16-30	V. Stiff	> 30%	With					Saturated: S = 100%
110		>30	Hard			Boulders = diame	ter > 12 inches,	Cobbles = diameter < 12 ir	iches and > 3 inches	
						Gravel = < 3 inch	and > No 4, Sar	id = < No 4 and > No 200,	Silt/Clay = < No 200	

		/				S	OIL BORI	ING LOG	Boring #:	B-28
	GEO	SUMM? ENGINEERING SERV	nces .			Project: Location:		Long Sands Rd.	Project #: Sheet:	14052 1 of 1
		rveitine na				City, State:	York Village, I	Maine	Chkd by:	
rilling (		Summit Geoer		ervices		Boring Elevation	1		****	
riller:		C. Coolidge, P M. Hardison, E				Reference: Date started:	4/6/2016	Date Completed:	4/6/2016	
		METHOD		AMPLER		Dute Stanted.	170/2010	ESTIMATED GROUNI	NAME OF TAXABLE PARTY OF TAXABLE PARTY.	
ehicle:	- N	Tracked	Length:	24" SS		Date	Depth	Elevation		eference
lodel:		Power Probe		2"OD/1.5"	ID	4/6/2016			none encountered	
lethod: lammer		ld Stem Auger Auto	Method:	140 lb ASTM D15	96					
epth	J. J.	71000	ricaloui	7,5111,515	-		SAMP	LE	Geological/	Geological
(ft.)	No.	Pen/Rec (In)	Depth (ft)	blows/6"	N <sub>60</sub>		DESCRIP	TION	Test Data	Stratum
TV.				1				ittle organics and root	ets,	
1_				1		moist, very loos	e, ML			TOPSOIL
2				2						
110										
3_				He V						FILL or GLACIAL
4									0.00	TILL
	as the			(m. respectively						91,2
5_						9 11			_	
6	S-2	24/1	5 to 7	50/3"		Mottled Glacial	IIII and Rock F	ragments in spoon tip		
٠-		24 A 14 14 14 14 14 14 14 14 14 14 14 14 14		The acceptant		End of Boring at	5.5 feet, Aug	er Refusal		PROBABLE BEDROC
7_		¥.								
8		1								
۰			-							0.000
9_		ew or								av mo
40										W To at
10_										
11_										
										1 679
12_									The Ward	
13_						1				
14_					-					the state of the state of
15_									W N	1 - 2 - 1 - 3 - 4
	ŝ			Jim II ji						Y / 1
16_			100000000000000000000000000000000000000		174					al 10 mg
17_	(								W W L	
				STEEL ST						
18_										
19_	8.80									
20_					202				× ×	Hann i
21_			-1 -0 0							
	15-0-5-00	SSMS4	11 - 3000						18 31.1	
22_									3	Y'U TO THE
		TELL II								
Granula		Cohesiv		% Compo		NOTES:		enetrometer, MC = Moist	ure Content	Soil Moisture Condition
	Density	Blows/ft.	Consistency	ASTM D	2487	Dadwards 3-1-3-	LL = Liquid Lim	nit, PI = Plastic Index		Dry: S = 0%
0-4 5-10	V. Loose Loose	<2 2-4	V. soft Soft	< 5% T	race	Shallow = 0 to 35	degrees			Humid: S = 1 to 25%  Damp: S = 26 to 50%
	Compact	5-8	Firm	5-15%		Dipping = 35 to 5				Moist: S = 51 to 75%
31-50	Dense	9-15	Stiff	15-30%		Steep = 55 to 90				Wet: S = 76 to 99%
>50	V. Dense	16-30	V. Stiff	> 30%	With	Roulders - di-	tor > 10 leader	Cabbins - diseast- : 4	3 inches and a 3 inches	Saturated: S = 100%
		>30	Hard	ing Table				, Cobbies = diameter < 1 and = < No 4 and > No 20		

(0)					11			ING LOG	Boring #:	B-29
	2	MINIMUS	V				-	Revitalization	Project #:	14052
	GBC	DENGINEERING SERV	VICES					Long Sands Rd.	Sheet:	1 of 1
	-						/illage,	Maine	Chkd by:	
Drilling	Co:	Summit Geoe		ervices		Boring Elevation:				
Driller:	Chaff.	C. Coolidge, P				Reference:	/2016	Data Completed	4/5/2016	
Summit		M. Hardison, I METHOD		AMPLER		Date started: 4/5/	/2016	Date Completed: ESTIMATED GROUND V	4/5/2016	
Vehicle		Tracked	Length:	24" SS		Date De	epth	Elevation Elevation		ference
Model:		S Power Probe		2"OD/1.5"	"ID		7 ft.	Elevation	Augers pulled	rerence
Method		lld Stem Auger		140 lb	1.0	1/5/2025			Augero pance	
Hamme		Auto	Method:	ASTM D15	586	TWO IS NOT				
Depth		1187	1 N		NAME OF THE OWNER.		SAMP	LE	Geological/	Geological
(ft.)	No.	Pen/Rec (in)	Depth (ft)	THE ROOM SHOWS AND ADDRESS OF THE PARTY NAMED IN	N <sub>60</sub>	The second second second	SCRIP		Test Data	Stratum
	GS-1	36/36	0 to 3	PUSH		11" Pavement, bottom	4" very	loose		PAVEMENT
1										FATERILITI
200		7 T- 172 12			-		AND, lit	tle Silt, humid, compact,	Gravel = 40.7%	711
2						SW-SM			Sand = 49.3% Silt/Clay = 10.0%	FILL
3		0.30		1		Olive brown Clavey SIL	T. mot	tled, trace fine Sand and	311/Clay - 10.076	
A I I S						Gravel	. 1 ,	aca, auce inic came a		
4			TO ANNO DE				7			
		/	FR. HELD							
5										MARINE NEARSHORE
	S-1	24/14	5 to 7	6	100		), little (	Gravel, trace Clay, mottle	d,	DEPOSIT
6.	-			10		moist to wet, SM				
7				13 16					Groundwater	
				10	and a				Groundwater	
8										1010
-11		September 1								The second
9						Penn				W 2018/ T
					0.355					
10		24/20	121: 11	4						
١,,	S-2	24/20	10 to 11	10		Tan Silty SAND, trace G	Gravel,	wet, compact, SM		
11				111	_	End of Boring at 11.0 fo	eet no	refusal		
12						Life or borning at 11.5	cc,	rei usar		
									107.2	
13		1 -		H 25/43						
14	-								Tell Tell	
15				+						
15				+-					11 11 11	
16				1						
149						P3 4 1 1				
17			WOIL THE							
7				JT02=0						
18		THE INC.								
10				1	_				N. Property	
19			A STATE OF	1						10 10
20										
21				HOUSE W						
									THE N P	
22.									1 ×	
						V = 4-9				
C	- Calle	Cabaah	n Calle	84 62		MOTEC: DD D	l - A D			0.000
-	ar Soils Density	Cohesiv Blows/ft.	Consistency	% Compo				enetrometer, MC = Moisture	Content	Soil Moisture Condition
0-4	V. Loose		V. soft	ASTINIO	2407	Bedrock Joints	quiu un	nit, PI = Plastic Index		Dry: S = 0% Humid: S = 1 to 25%
5-10	Loose	2-4	Soft	< 5% T	Ггасе	Shallow = 0 to 35 degrees	s			Damp: S = 26 to 50%
11-30	Compact		Firm	5-15%		Dipping = 35 to 55 degree				Moist: S = 51 to 75%
31-50	Dense	9-15	Stiff	15-30%	Some	Steep = 55 to 90 degrees				Wet: S = 76 to 99%
>50	V. Dense	16-30	V. Stiff	> 30%	With					Saturated: S = 100%
		>30	Hard			Boulders = diameter > 12	2 inches,	Cobbles = diameter < 12 ir	nches and > 3 inches	
						Gravel = < 3 inch and > 1	No 4, Sa	nd = < No 4 and > No 200,	Siit/Clay = < No 200	

		/				S	OIL BORI	NG LOG	Boring #:	B-31
		MMU				Project:	York Village Re	evitalization	Project #:	14052
	680	ENGINEERING SERV	nces			Location:	York St. and Lo		Sheet:	1 of 1
						City, State:	York Village, M		Chkd by:	10/1
tilling C	o.	Summit Geoe	naineering Se	ervices		Boring Elevation		idillo.	Circu by.	
riller:		C. Coolidge, P				Reference:				
		M. Hardison, I			- 500	Date started:	4/6/2016	Date Completed:	4/6/2016	
		METHOD		AMPLER				ESTIMATED GROUND W	THE RESERVE THE PARTY OF THE PA	
ehlde:		Tracked	Length:	24" SS		Date	Depth	Elevation		ference
odel:	AMS	Power Probe		2"OD/1.5"	ID	4/6/2016	8.0 ft.		Augers pulled	
ethod:	Sol	d Stem Auger	Hammer:	140 lb						Same and the same
ammer	Style:	Auto	Method:	ASTM D1	86					
epth							SAMPL	.E	Geological/	Geological
(ft.)	No.	Pen/Rec (In)	Depth (ft)	blows/6"	N <sub>60</sub>		DESCRIPT	TION	Test Data	Stratum
	GS-1	36/36	0 to 3	PUSH		8" Pavement	2			DAMEMEATE
1_		Still								PAVEMENT
1 80					4.7	Brown Gravelly	SAND, little Silt,	humid, compact, SW-SM		
2_	1								Sand = 47.7%	FILL
112			C HIWAS		1				Silt/Clay = 7.9%	
3_				*		Dark brown Silt	y SAND, slightly	mottled, wet, dense		
					-				100	2.
4-				-					Larry III	5: 11
5	-		- 100		-				Y.	
3-H	S-1	24/20	5 to 7	10	Service .	same as above	/ETLL)		- 10 H	w .
6	3-1	27/20	3.07	13		Jadine as above	(1111)			
٦				11					1 1 1 1 1 X	0° ∏ ≙
7	7.7	1077 1997	The state of	12	0.00 to 10					
				- T		( ) V				
8	111								Groundwater	
	- C	OUNCE TO SECURE	ayya ya u	2.19 20						
9_									p_smii zei	
	EIL II									MARINE NEARSHOR
10										DEPOSIT
	S-2	24/20	10 to 12	6		Dark Silty SAND	, wet, dense, sl	ightiy mottled, SM	THE TAIN	
11				17						1 1 1 1 1 1 1 1 1
			- Mariana	20					na in a law	
12_			III.S	17						
					537157	End of Boring a	t 12.0 feet, no r	etusal	2 2 2 2	
13_										
14		ALFORD ST.	200						Market In 1	
14										100 30
15									max "X, mill	- 100.17
-2-										HEY YES
16						Vi Yi				West of the same
	الرادي									A 115(1901
17									, mo ,	
					(11)					
18_	JILWF:								No.	
	in and									
19_	VIEWS									-V 100 =
	TE II		I S AVI	IV.		1000			R III II II	51 28
20					2393					
									3 3 6	
21										11.0
32						1 1 1 1				WI SILE
22			127.00	8-25-200		nivē.				U.S. VIII TO VIII
						- v. °			3,2m , ndf	The second of
Granula	r Coile	Cohesiv	e Solle	% Comp	neitlan	NOTES:	DD - Docket D	netrometer, MC = Moisture (	ontent	Coil Moleture Conden
-	Density	Blows/ft.	Consistency	ASTM D				t, PI = Plastic Index	onen	Soil Moisture Condition  Dry: S = 0%
	V. Loose	<2	V. soft			Bedrock Joints	Liquid Gilli	y — i made index		Humid: S = 1 to 259
-10	Loose	2-4	Soft	< 5% 1	race	Shallow = 0 to 35	degrees			Damp: S = 26 to 509
	Compac	5-8	Firm	5-15%		Dipping = 35 to 5	-			Molst: S = 51 to 759
1-50	Dense	9-15	Stiff	15-30%		Steep = 55 to 90				Wet: S = 76 to 99%
	V. Dense	16-30	V. Stiff	> 30%						Saturated: S = 1009
		>30	Hard			Boulders = diame	ter > 12 inches.	Cobbles = diameter < 12 inc	hes and > 3 inches	100
				190				d = < No 4 and >No 200, S		

		$\sim$				S	OIL BORI	NG LOG	Boring #:	B-35
	GEO	SUMM!	// / / / / / / / / / / / / / / / / / /			Project: Location:	York Village Ro		Project #: Sheet:	14052 1 of 1
						City, State:	York Village, N	laine	Chkd by:	
rilling C		Summit Geoe		ervices		Boring Elevation	1:			
riller:		C. Coolidge, F				Reference:	415.004.5			
		M. Hardison, I		AMPLER		Date started:	4/6/2016	Date Completed: ESTIMATED GROUND	4/6/2016	
ehicle:	ILLING I	Tracked	Length:	24" SS		Date	Depth	Elevation		eference
lodel:		Power Probe	Dlameter:	2"OD/1.5"	'ID	4/6/2016	- Span	Zievodori	none encountered	Crerence
lethod:		d Stem Auger		140 lb	41	0.000			-	
lammer	Style:	Auto	Method:	ASTM D15	586		00000		6 1 1 1	
epth (ft.)	No.	Pen/Rec (In)	Depth (ft)	blows/6"	N <sub>60</sub>		SAMPI DESCRIP		Geological/ Test Data	Geological Stratum
1	GS-1	36/36	0 to 3	PUSH		9" Pavement, b	ottom 4" very lo	oose		PAVEMENT
1_	TR	d n				Brown Sandy Si	ILT, moist to we	et, trace Gravel		<b>*</b>
2_										FILL
3_	=1.00									
4	0			27		End of Boring a	t 2.9 feet, Samp	oler and Auger Refusal	17000	PROBABLE BEDROCK
5	1171 11		1091111							
- 1			NIL ELL							
6-										
7_										
8										in the second
9										
1			g W							
10										
11_										
12					0					
13				-))						
14										
1	16									
15										
16_	4					to Am				T - P
17										
18										
19	1110		) i							
1			19576	177					1 - 18	
20										
21									e l'el wit	
22	222-3-10			5-4000		ri en pr				
										K' wile -
Granulai	_	Cohesiv		% Comp		NOTES:		netrometer, MC = Moisture	e Content	Soil Moisture Conditio
lows/ft.	Density V. Loose	Blows/ft.	V. soft	ASTM D	<b>48</b> /	Bedrock Joints	LL = Liquid Limi	t, PI = Plastic Index		Dry: S = 0% Humid: S = 1 to 25%
5-10	Loose	2-4	Soft	< 5% 7	race	Shallow = 0 to 35	degrees			Damp: S = 26 to 50%
11-30	Compact	5-8	Firm	5-15%		Dipping = 35 to 5				Moist: S = 51 to 759
31-50	Dense	9-15	Stiff	15-30%		Steep = 55 to 90	degrees			Wet: S = 76 to 99%
>50 \	V. Dense	16-30	V. Stiff	> 30%	With		42.			Saturated: S = 100%
	70	>30	Hard					Cobbles = diameter < 12	inches and > 3 inches Silt/Clay = < No 200	



PROJECT NAME:

York Revitalization Project

CLIENT: SOURCE:

DATE:

Milone & MacBroom, Inc.

Roadway fill 4/11/2016

SAMPLE NUMBER: B-4, GS-1

PROJECT NUMBER: 14052

DESCRIPTION:

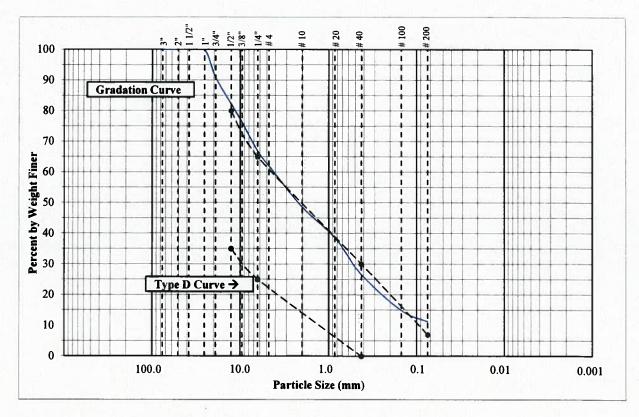
Gravelly SAND, little Silt, SW-SM

TECHNICIAN:

Erika Stewart, E.I.

### DATA

PARTICLE	E SIZE mm	% BY WT FINER	MDOT 703,06 TYPE D
76.20	(3 in)	100.0	100
50.80	(2 in)	100.0	
38.10	(1-1/2 in)	100.0	
25.40	(1 in)	100.0	
19.05	(3/4 in)	90.9	
12.70	(1/2 in)	82.3	35 - 80
9.53	(3/8 in)	76.3	
6.35	(1/4 in)	66.9	25 - 65
4.75	(No. 4)	62.1	
2.00	(No. 10)	48.6	
0.85	(No. 20)	38.7	
0.43	(No. 40)	26.6	0 - 30
0.15	(No. 100)	14.9	
0.075	(No. 200)	11.3	0 - 7



REMARKS:

Moisture Content = 5.1%



PROJECT NAME:

York Revitalization Project

CLIENT:

Milone & MacBroom, Inc.

SOURCE: Roadway fill

DATE:

4/12/2016

PROJECT NUMBER: 14052

SAMPLE NUMBER: B-10, GS-1

DESCRIPTION:

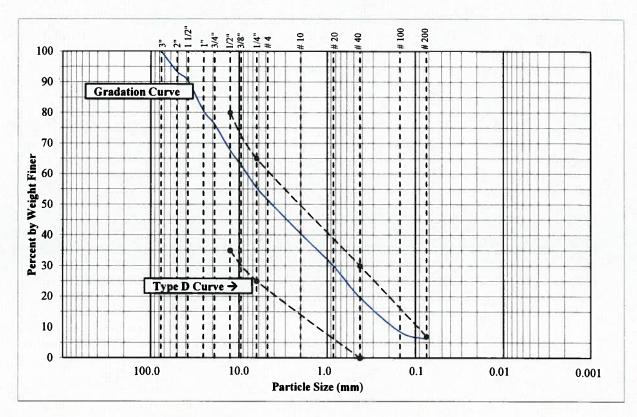
Gravelly SAND, little Silt, SP-SM

TECHNICIAN: Erika

Erika Stewart, E.I.

### DATA

PARTICLI	E SIZE mm	% BY WT FINER	MDOT 703.06 TYPE D
76.20	(3 in)	100.0	100
50.80	(2 in)	93.4	
38.10	(1-1/2 in)	90.4	
25.40	(1 in)	80.6	
19.05	(3/4 in)	76.2	
12.70	(1/2 in)	67.7	35 - 80
9.53	(3/8 in)	62.9	
6.35	(1/4 in)	55.5	25 - 65
4.75	(No. 4)	51.5	
2.00	(No. 10)	40.5	
0.85	(No. 20)	30.1	
0.43	(No. 40)	19.7	0 - 30
0.15	(No. 100)	8.6	
0.075	(No. 200)	6.2	0 - 7



REMARKS:

Moisture Content = 5.8%



PROJECT NAME:

York Revitalization Project

CLIENT:

Milone & MacBroom, Inc.

SOURCE: DATE:

Roadway fill 4/12/2016

PROJECT NUMBER: 14052

K: 14052

SAMPLE NUMBER: B-21, GS-1 DESCRIPTION: Gravelly SA

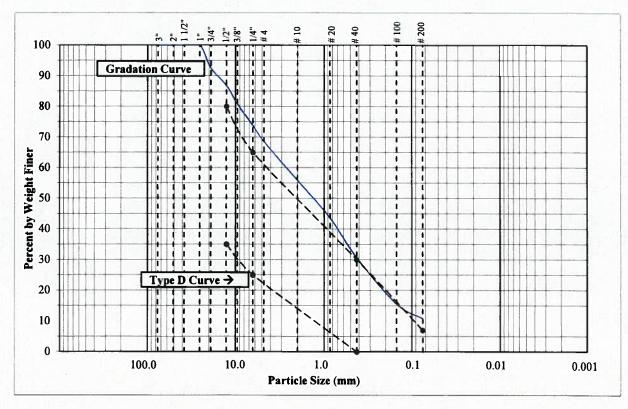
B-21, GS-1 Gravelly SAND, little Silt, SP-SM

TECHNICIAN:

Erika Stewart, E.I.

### DATA

PARTICLE	SIZE mm	% BY WT FINER	MDOT 703,06 TYPE D
76.20	(3 in)	100.0	100
50.80	(2 in)	100.0	
38.10	(1-1/2 in)	100.0	
25.40	(1 in)	100.0	
19.05	(3/4 in)	92.5	
12.70	(1/2 in)	86.9	35 - 80
9.53	(3/8 in)	80.8	
6.35	(1/4 in)	73.8	25 - 65
4.75	(No. 4)	68.5	
2.00	(No. 10)	55.9	
0.85	(No. 20)	43.6	
0.43	(No. 40)	30.7	0 - 30
0.15	(No. 100)	15.6	
0.075	(No. 200)	10.9	0 - 7



REMARKS:

Moisture Content = 6.8%



PROJECT NAME:

York Revitalization Project

CLIENT:

DATE:

Milone & MacBroom, Inc.

SOURCE: Roadway fill

4/12/2016

PROJECT NUMBER: 14052

SAMPLE NUMBER: B-29, GS-1

DESCRIPTION:

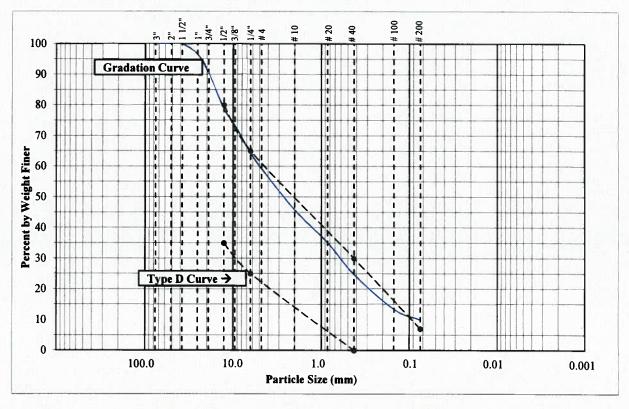
Gravelly SAND, little Silt, SW-SM

TECHNICIAN:

Erika Stewart, E.I.

### DATA

PAR	TICLI	E SIZE mm	% BY WT FINER	MDOT 703.06 TYPE D
7	6.20	(3 in)	100.0	100
5	0.80	(2 in)	100.0	
3	8.10	(1-1/2 in)	100.0	
2	5.40	(1 in)	96.6	
1	9.05	(3/4 in)	90.5	
1	2.70	(1/2 in)	78.8	35 - 80
9	9.53	(3/8 in)	73.4	
6	5.35	(1/4 in)	64.4	25 - 65
4	1.75	(No. 4)	59.3	
2	2.00	(No. 10)	45.8	
(	).85	(No. 20)	35.2	
(	).43	(No. 40)	24.8	0 - 30
(	).15	(No. 100)	13.5	
0	.075	(No. 200)	10.0	0 - 7



REMARKS:

Moisture Content = 14.5%, Soaked from rain not natural moisture content



PROJECT NAME:

York Revitalization Project

CLIENT:

Milone & MacBroom, Inc.

SOURCE: Roadway fill DATE:

4/12/2016

PROJECT NUMBER: 14052

SAMPLE NUMBER: B-31, GS-1

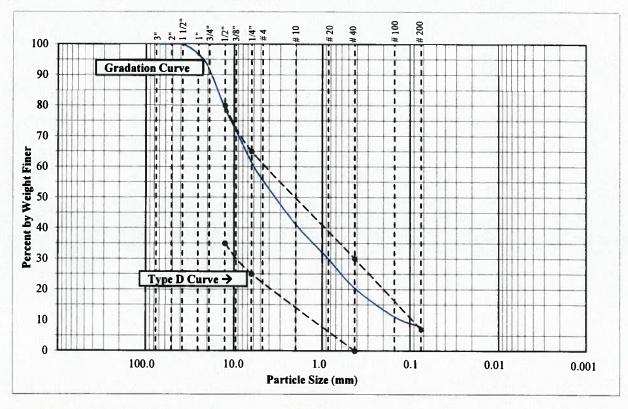
DESCRIPTION:

Gravelly SAND, little Silt, SW-SM

TECHNICIAN: Erika Stewart, E.I.

### DATA

<u>P</u> .	ARTICLI	E SIZE mm	% BY WT FINER	MDOT 703.06 TYPE D
	76.20	(3 in)	100.0	100
	50.80	(2 in)	100.0	
	38.10	(1-1/2 in)	100.0	
	25.40	(1 in)	96.7	
	19.05	(3/4 in)	91.6	
	12.70	(1/2 in)	79.0	35 - 80
	9.53	(3/8 in)	71.8	
	6.35	(1/4 in)	61.4	25 - 65
	4.75	(No. 4)	55.6	
	2.00	(No. 10)	41.2	
	0.85	(No. 20)	29.9	
	0.43	(No. 40)	20.5	0 - 30
	0.15	(No. 100)	11.2	
	0.075	(No. 200)	7.9	0 - 7
	25.40 19.05 12.70 9.53 6.35 4.75 2.00 0.85 0.43 0.15	(1 in) (3/4 in) (1/2 in) (3/8 in) (1/4 in) (No. 4) (No. 10) (No. 20) (No. 40) (No. 100)	96.7 91.6 79.0 71.8 61.4 55.6 41.2 29.9 20.5	25 - 65 0 - 30



REMARKS:

Moisture Content = 6.7%



### \* \*IMMEDIATE RESPONSE REQUESTED\* \*

RE: Maine DOT	Project - York Village Revitalization Project	Februar	y 3, 2017
Town/City: Project WIN: Location:	York 21904 York Village		
219 Meadow Rockport, ME Office: (207) : Fax: (207) : Cell: (207) ! E-Mail: mike	E 04856 236-6757 470-7020 975-3886 @landmarkmaine.com ease complete the following short questionnaire and fax	, e-mail or send via m	nail.
Utility: PV	BLIC WORKS Date Form S	Submitted: 1/1	2/2018
1. Does the utility yo	ou represent presently have facilities within the project limits?	Ç	Yes No
2. What type of faci	lities do you have in the project area? STOQM Dr		Underground Aboveground
3. Pole Owner:Attachees:	N/A		
4. Do you plan on in	stalling any facilities within the project limits in the next 5 year	rs?	Yes No
5. Contact person for Name: Address: Tel: Cell: Fax No: E-mail: 6. Contact person for Name: Address: Tel: Fax No: E-mail:	Project coordination:  (JEAN (ESSARD)  (86 YORK STREET)  (207) 363-1011  (207) 891-7569  (207) 363-1012  (207) 363-1012  (207) 363-1012  (207) 363-1012  (207) 363-1012  (207) 363-1012  (207) 363-1012  (207) 363-1012  (207) 363-1012  (207) 363-1012  (207) 363-1012  (207) 363-1012  (207) 363-1012  (207) 363-1012  (207) 363-1012  (207) 363-1012  (207) 363-1012  (207) 363-1012		
7. Comments			

# **MASTER PLAN IMPROVEMENTS - PHASE 1**

YORK VILLAGE, MAINE

Opinion of Probable Design & Construction Costs.

Date: 8-Feb-17

Date: 8-Feb-17 Revised: 14-Mar-17

# **Design Development - Phase 1 UG Utilities**

DOT# Item	Material	Quantity	Gnit	Unit Cost	Subtotal
Electric, Cable, Telecommunications - Civil/Sitework	¥				\$618,660.00
4x2 8-way 6" elec conduit bank & trenching	6" Sched 40 PVC Concrete encased	2000	#	\$85.00	\$170,000.00
9 - 4" Telecom conduits	4" Sched 40 PVC Concrete encased	2000	J.	\$30.00	\$60,000.00
2 - 4" Cable TV conduits	4" Sched 40 PVC	2000	<u>+</u>	\$6.00	\$12,000.00
Conduit concrete encasement (elec & phone)	<ul><li>concrete, flowable fill, unreinforced</li></ul>	899	ک	\$120.00	\$80,160.00
Conduit & trenching to transformer foundations	ions 2" Sched 40 PVC and trenching	200	<u>+</u>	\$30.00	\$6,000.00
Sawcut Pavement	Sawcut pavement	4400	J.	\$1.00	\$4,400.00
Pavement Removal	Pavement removal (3" depth)	1380	λs	\$5.00	\$6,900.00
Pavement Patch	3" Pavement Patch Trenches & MH Excavation	229	ton	\$200.00	\$45,800.00
Electrical Manholes	Concrete, Excavation and Backfill	7	ea	\$12,600.00	\$88,200.00
Telecommunications Manholes	Concrete, Excavation and Backfill	4	ea	\$12,600.00	\$50,400.00
Cable TV Manholes	Concrete, Excavation and Backfill	7	ea	\$7,500.00	\$52,500.00
Electrical Junction boxes	Concrete, Excavation and Backfill	m	ea	\$7,500.00	\$22,500.00
3-Phase Transformer foundations	Concrete, Excavation and Backfill	2	ea	\$5,400.00	\$10,800.00
1-Phase Transformer foundations	Concrete, Excavation and Backfill	9	ea	\$1,500.00	\$9,000.00
Electric - CMP					\$1,800,000.00
CMP	CMP (\$1.8 Million)	1	sj	\$1,800,000.00	\$1,800,000.00
Cable TV - Charter Communications					\$250,000.00
Charter Communications	Charter (\$250,000)	1	s	\$250,000.00	\$250,000.00
Telecommunications - FairPoint Communications					\$575,000.00
FairPoint Communications	FairPoint (\$575,000)	1	s	\$575,000.00	\$575,000.00
Subtotal, hard costs					\$3,243,660.00
Mobilization & General Conditions Fees			Xi e		\$260,000.00
Mobilization & General Conditions	Approximately 8% total construction cost	8	اد	260 000 00	4260 000 00

\$3,503,660.00

Hard Costs Subtotal

	\$61,900.00	\$185,700.00	\$3,689,360.00
Estimated Soft Costs & Contingency	10% Civil Costs 20% Civil Costs	Soft Costs & Contingency Subtotal	Total Hard + Soft Conceptual Budget
	Engineering Contingency		

### Assumptions:

- 1. Does not include individual service connections.
- 2. Pavement removal and patching assumed for all trenching and manhole work. Portion may not be necessary if work done at same time as roadwork.

  3. Trenching costs assumes electric, cable and telecommunications in same trench for majority of project area.

### York Village OH to UG

### **CONDUCTORS / CABLES**

2000 ft of 500 CU x 6 runs (3-phase loop) = 12,000 ft of 500 CU x \$120/ft = \$1440000 1000 ft of #2 AL x 6 runs (3-phase loop to service transformers and spurs) = 6,000 ft of #2 AL = \$9000 2000 ft of #2 AL x 2 runs (1-phase loop) = 4,000 ft of #2 AL = \$6000 Total: \$ 1,455,000

### **CONDUITS**

4x2 8-way 6" conduit bank - Sched. 40 PVC concrete encased - 2000 ft

### **RISERS**

(5) 3-phase risers = \$9000 (3) 1-phase risers = \$2000 Total: \$ 11,000

### **MANHOLES / JUNCTION BOXES**

7 manholes 3 junction boxes

### **SWITCH CABINETS / SWITCHGEAR**

3 switch cabinets = \$5,000 2 switchgear @ \$50,000 = \$100,000 Total: \$105,000

### **TRANSFORMERS**

(2) 3-phase transformers – \$20,000 (6) 1-phase transformers - \$6,000

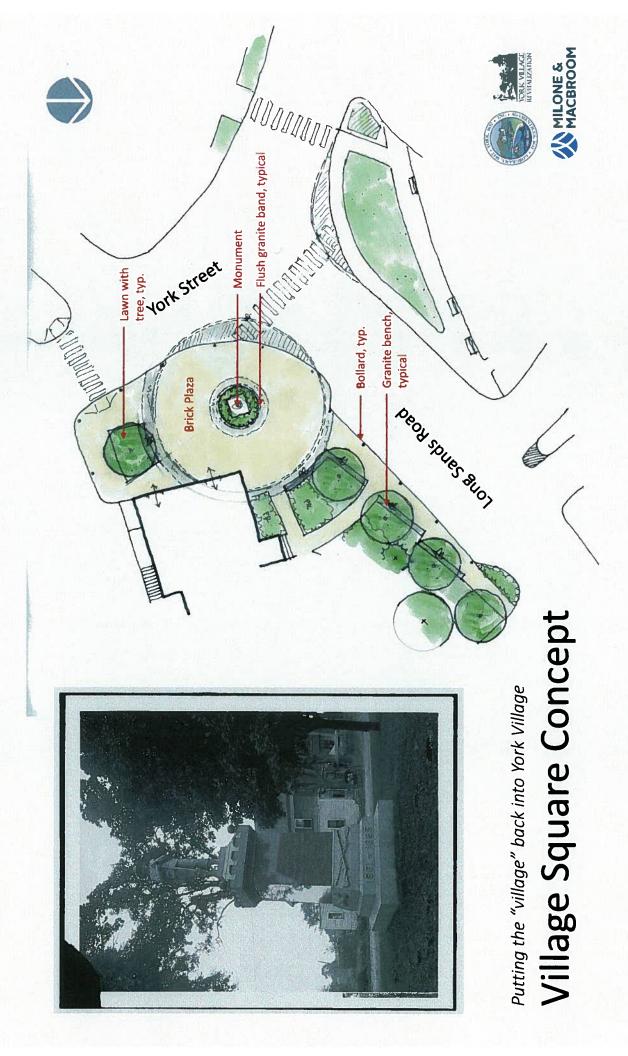
Total: \$26,000

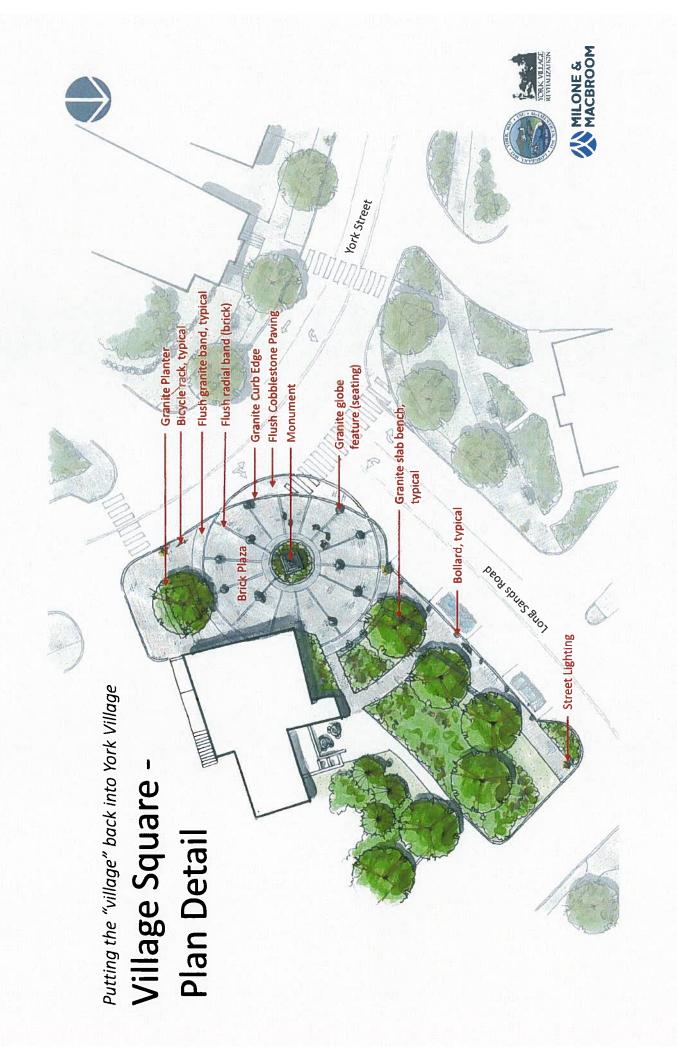
### OTHER - Labor, service changes, removals, etc.

Total: \$25,000

Overall Total: \$ 1,620,000 Overall Total + 10% Contingency: \$ 1,784,200

FINAL TOTAL ESTIMATE: \$ 1.8 million







Putting the "village" back into York Village

Village Square - Sketch Perspective



# STREETSCAPE TREATMENT

## PROPOSED MATERIALS



PAVING MATERIALS

STREET LIGHTING

SITE FURNISHINGS



Cobblestone Paving

**Brick Paving** 



Bollards

Trash Receptacles







**Bicycle Racks** 

Flower Hangers

**Granite Benches** 

**FEATURES** 

### DRAWING BOARD

### THE REVITALIZATION OF A VILLAGE CENTER



Location: York Village, York

Design Team: Milone & MacBroom with Lachman Architects & Planners;
Landmark Corporation; Rodney Lynch, AICP; Bennett Engineering; & Summit
Geoengineering Services

Construction start: Estimated 2020

Construction complete: Estimated 2021

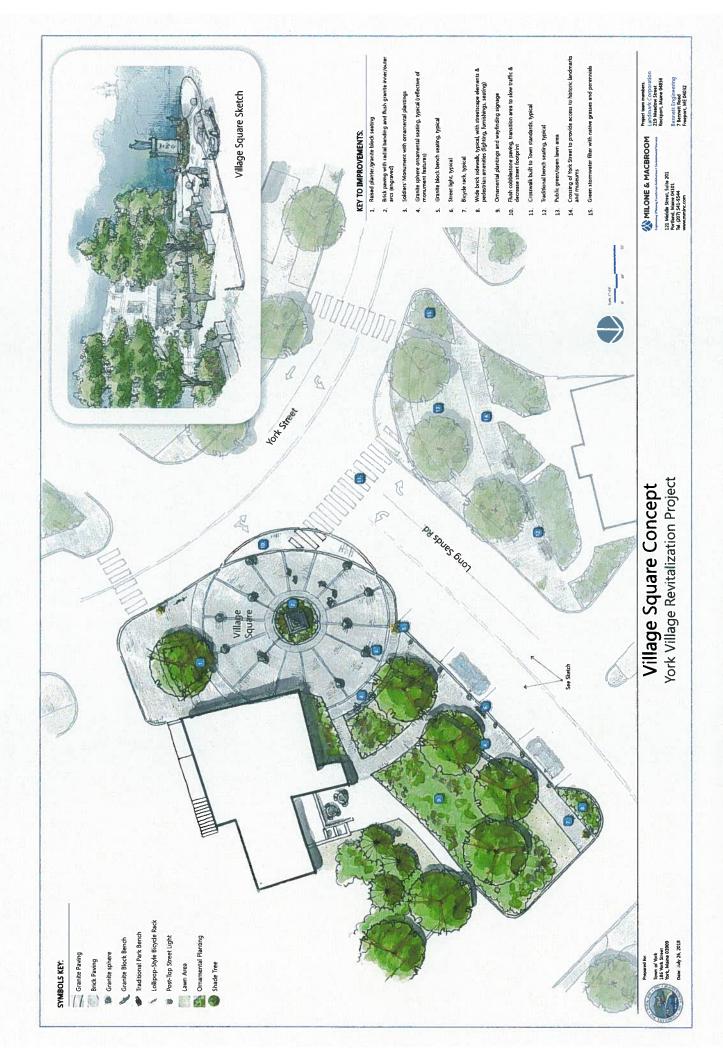
ne of the greatest potential assets of York Village is its quality of place—those character-defining elements that distinguish it and make it resonate with visitors and residents alike. The village center is defined by its historic architecture and landmarks, mix of local businesses, clustered civic destinations, and "third places," where neighbors meet neighbors for lunch or coffee. Over the years, however, the public right-of-way in the village center has become dominated by vehicle space and parking, disrupting the balance of uses. The vast space dedicated to pavement leaves little room for pedestrians and place-making elements, and creates an environment that is unattractive and out-of-sync with the historic character and scale of the village center.

In 2011 the town formed the York Village Study Committee, a group of committed volunteers tasked with developing a strategy to spur economic development and to "put the *village* back

in York Village." Their initial effort lead to the development of the 2015 York Village Revitalization Master Plan by the project team of Lachman Architects and Planners; Landmark Corporation; Bennett Engineering; Rodney Lynch, AICP; Summit Geoengineering Services; and Milone and MacBroom. The master plan crafted a vision for revitalizing the central village into a safer, more attractive, walkable community by "reallocating" vehicle-dedicated space, introducing traffic-calming measures, and simplifying vehicle movements. A proposed "Village Square" replaces pavement at the heart of the village to create a new public space featuring the Soldiers' Monument honoring York's Civil War veterans.

The Town of York is working with Maine DOT and funding through the Kittery Area Metropolitan Planning Organization. Milone and MacBroom (and their project team) is leading final design for the first phase of the \$4 million project. Construction will begin in 2020.







PARKING PLAN

YORK VILLAGE REVITALIZATION PROJECT - PHASE ONE

YORK STREET YORK, MAINE

INE 6-21-2018



### LEGEND

EXISTING PARKING - 40 SPACES
PROPOSED PARKING - 62 SPACES



