

ADDENDUM #1
Issued February 27, 202
Bid #29-20
Annual Paving and Roadwork Project

This Addendum forms part of the original document marked “**Bid 29-20 Annual Paving and Roadwork**”.

Question 1:

Regarding crack sealing before the overlay, what is minimum time prior to overlay that the crackseal needs to be completed and what method will be required for installing the crack sealing?

Answer:

- Crackseal Contractor will need to use Roadsaver 231 Low Modulus crackseal as produced by Crafcro or approved equal. This crackseal was developed for this application.
- Crackseal will be installed at least 7 days prior to the overlay.
- Crackseal will be installed in routed joints in accordance with the standard specification and shall be left approximately 1/4”-3/8” lower than the surface with no over-banding allowed.
- The Paving crew will need to use slower roller speeds while finish rolling the asphalt overlay to avoid shoving and bumping over the crackseal spots.

Question 2:

What section of Banfield Road is expected to be milled?

Answer:

The area intended is the section nearest Peverly Hill Road by the traffic signal. This section is still in relatively good shape. The remainder of the road will be reclaimed.

Question 3:

Can we get some clarification regarding the sidewalk work on Bow St?

Answer:

Attached, please find a small plan set regarding Bow St. Some of the sidewalk work will require coordination with private property owners. The City is still in the process of negotiating and coordinating with the owners at this time. If the effort to involve the different private parties fails, some portions of the work shown on the plans may be excluded from the final project. Also, as shown on the plan set, a small section of Bow St will need to be lowered. The limits of work and the method to lower the road will likely need to be determined onsite once existing pavement thickness is determined.

Use the new bid tab attached to this addendum, it supersedes pages 10-13 in the original bid document. We have added an item for brick sidewalk, added an item for 8” painted line for Middle Road and changed the item number for the crack sealing.

Bidders are to acknowledge Addendum 1 within their bid proposal. Failure to do so may subject a bidder to disqualification.

End of Addendum 1

SEE SPREADSHEET IN BACK OF DOCUMENT FOR SPECIFIC LOCATION OF ITEMS, SOME ITEMS MAY NOT BE USED

ITEM #	EST. QTY.	UNITS	ITEM DESCRIPTION	UNIT PRICE IN FIGURES	ITEM TOTAL IN FIGURES
202.5	1*	Ea	Removal of old Catch Basin or Manhole	_____	_____
202.7	138	Lf	Removal of Guardrail	_____	_____
203.A	6400	CY	Excavation of Excess Reclaim	_____	_____
203.B	20	CY	Excavation of Unsuitables	_____	_____
203.C	380	CY	Excavation for Sidewalks and curb ramps, (Concrete, Brick, Gravel, Pavement, etc)	_____	_____
206.2	20	CY	Rock Structure Excavation	_____	_____
214	48126	SY	Fine Grading Roads or sidewalks	_____	_____
304.3	150	CY	Crushed Gravel for Sidewalk/Patches	_____	_____
304.32	600	Ton	Shoulder Gravel	_____	_____
306.2x	48126	SY	Reclaim Stab. Base	_____	_____
306.36	2820	Tons	1 ½" - 2" Crushed Stone for Reclaim Stab. Base Blended in via reclaimer	_____	_____
403.11 B	12795	Ton	Machine Pave (50GYR) ¾" Fine Binder (aka Winter Binder)	_____	_____
403.11H	1000	Ton	Machine Pave 3/8" Wearing High Strength Mix if ordered (Item is price differential per ton from normal wearing course mix (403.11W)	_____	_____
403.11W	9000	Ton	Machine Pave 3/8"(75gyr) or ½"(50gyr) Wearing	_____	_____
403.12	500	Ton	Hand Method Paving	_____	_____
403.13L	300	Sy	Pavement Patching ≥30 square yards	_____	_____
403.13S	200	Sy	Pavement Patching <30 square yards	_____	_____
403.6	50,000	LF	Pavement Joint Adhesive on various sites	_____	_____
413.2	26000	Lbs	Crack Sealing for pavement overlays	_____	_____
417	85,000	SY	Cold Planing with large machine	_____	_____
417A	1	Day	Large Cold Planer with crew and trucking	_____	_____

PROPOSAL FORM (continued)

417B	300	SY	Cold Plane (Butt Joints with Bobcat or similar)	_____	_____
520	40	CY	Class A Concrete Backfill for Curb or Structures	_____	_____
603.33212	2	Ea.	Polyethylene End Sections	_____	_____
603.82212	60	Ea.	12" Polyethylene Pipe	_____	_____
604.0007	140*	Ea.	CB Polyethylene liners	_____	_____
604.12	1*	Ea	New Type B Catch Basin (W/ Frame & Grate)	_____	_____
604.12A	59*	Ea	Replace Top structure of Catch Basin (W/ F&G) With Precast Top (Qty to be determined)	_____	_____
604.22	1*	EA	New Drop Inlet Catch Basin (W/ F&G)	_____	_____
604.324	7	VF	Install New Drain Manhole	_____	_____
604.45	150*	VF	Adjust CB or Manhole Cover using brick and mortar (1 VF minimum for each structure)	_____	_____
604.61C	11*	EA	Pick up and Deliver to site 32" SMH F & C With City Logo, <u>Provided by City</u>	_____	_____
604.61	1*	EA	Purchase 32" SMH F & C (USA Made)	_____	_____
604.611	8*	EA	Purchase 24" SMH F & C (USA Made)	_____	_____
604.62	10*	EA	Purchase 32" DMH F & C (USA Made)	_____	_____
604.621	1*	EA	Purchase 24" DMH F & C (USA Made)	_____	_____
604.72	69*	EA	Purchase CB F & G (USA Made)	_____	_____
606.1203	13*	Lf	W Beam Guardrail w/steel post	_____	_____
606.1255	1*	U	Beam Guardrail Terminal Unit	_____	_____
608.12	5*	SY	Patching/Paving Asphalt Sidewalks 2 1/2"	_____	_____
608.24	5*	SY	4" Concrete Sidewalk	_____	_____
608.26	365*	SY	6" Concrete HC Ramps	_____	_____
608.5	275	SY	Brick Sidewalk	_____	_____
608.54A	100*	SY	Rectangular Cast Iron Truncated Dome Panels	_____	_____
608.54B	10*	SY	Radius Cast Iron Truncated Dome Panels	_____	_____
609.01	300*	LF	5" Vertical Granite Curbing	_____	_____

PROPOSAL FORM (continued)

609.011	300*	LF	6"Vertical Granite Curbing		
609.02	20*	LF	5" Curved Vertical Granite Curbing		
609.021	20*	LF	6" Curved Vertical Granite Curbing		
609.216	20*	LF	4x12 Sloped Granite Curbing		
609.5	600*	LF	Reset curbing		
611.90001	1*	EA	Adjust Existing Gate Valve Sleeves		
611.90001A	1*	EA	Replace Broken Gate Valve Sleeves		
611.90001B	1*	EA	Replace Broken Gate Valve Sleeves with insert		
611.90001C	50*	EA	Adjust Gate Valve Sleeve with riser rings		
616.650	18	EA	6' x 50' Traffic Signal Loop		
618.6	1	Allowance	Portsmouth Police (Traffic Control)	<u>\$10,000.00</u>	<u>\$10,000.00</u>
618.7	1	Allowance	Flaggers	<u>\$90,000.00</u>	<u>\$90,000.00</u>
619	1	U	Maintenance of Traffic		
632.0104	125,000	LF	4" Painted Lane Striping with layout		
632.0108	500	LF	8" Painted Lane Striping with layout		
632.3106	1,800	LF	6" Thermoplastic Striping (Pease x-walks)		
632.3112	2800	LF	12" Thermoplastic Striping (Stop Bars, x-walks)		
632.3118	650	LF	18" Thermoplastic Striping (Stop Bars)		
632.32	1820	SF	Thermoplastic Words & Symbols		
641	40	CY	4" Loam and Seed		
645.7	1	U	Storm Water Pollution Plan		
645.71	70	Hr	Monitoring of SWPPP and Erosion Controls		
692	1	U	Mobilization		
1010.2	1	\$	Asphalt Cement Adjustment	<u>\$15,000.00</u>	<u>\$15,000.00</u>

*Estimated Quantity item, quantity unknown and to be verified prior to purchase of material.

TOTAL FOR PROJECT AND BASIS OF AWARD

Total in Figures \$ _____.

In Words \$ _____

The City reserves the right to delete any portion of the work/reduce the quantities of work represented in this bid proposal form.

The undersigned agrees that for extra work, if any, performed in accordance with the terms and provisions of the Contract Documents, the bidder will accept compensation as stipulated therein.

Date

Company

By: _____
Signature

Business Address

Title: _____

City, State, Zip Code Telephone: _____

The Bidder has received and acknowledged Addenda No. _____ through _____.

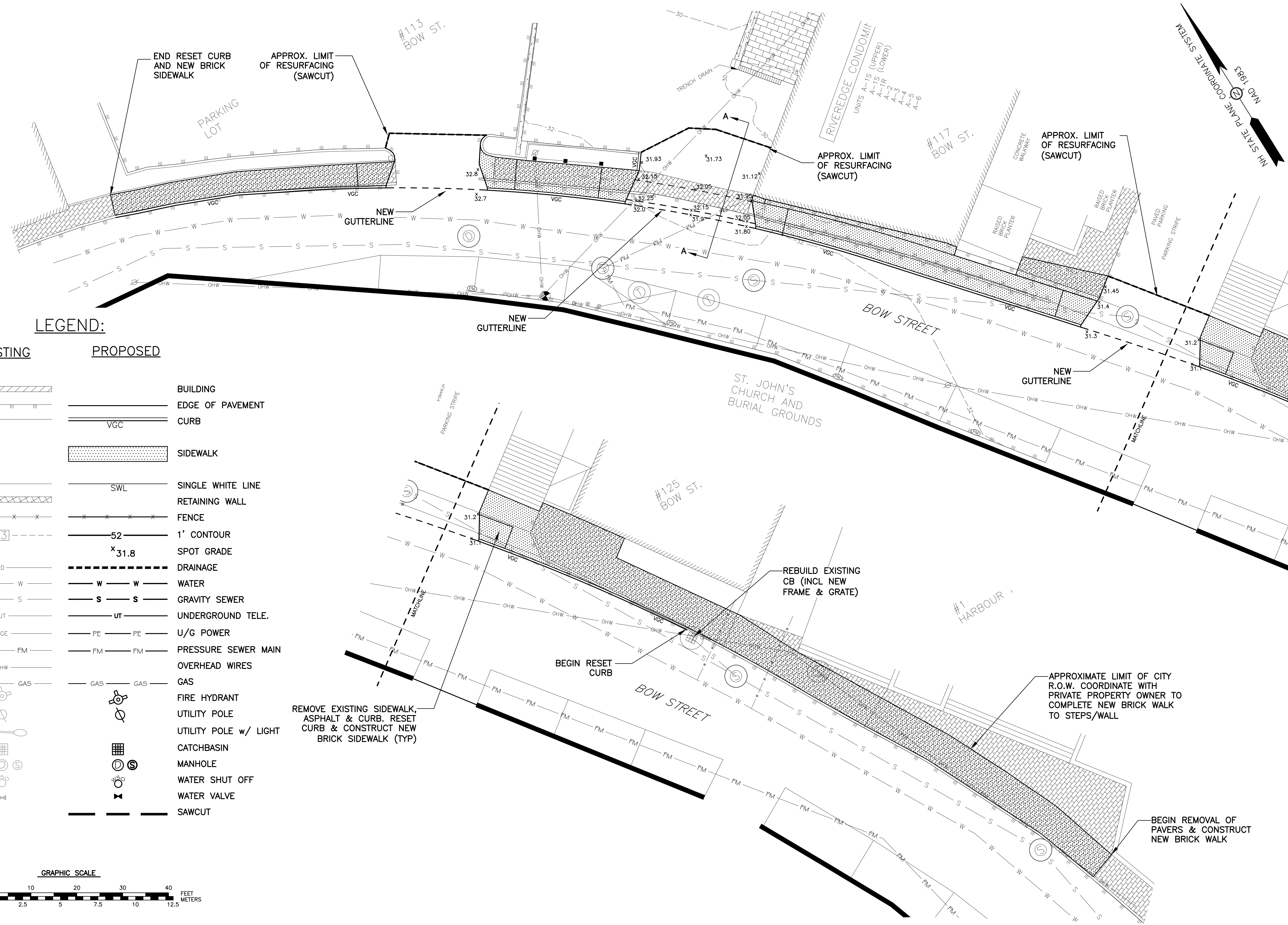
All Bids are to be submitted on this form and in a sealed envelope, plainly marked on the outside with the Bidder's name and address and the Project name as it appears at the top of the Proposal Form.

We certify that the Company is currently pre-qualified with the State of New Hampshire for Paving Work.

By: _____
Signature

In order to follow the City's sustainability practices, future bid invitations/specifications may be sent electronically. Please provide an email address as to where I could email future bid invitations/specifications of this type. Thank you in advance for your cooperation.

Email
Address: _____



LEGEND:

EXISTING	PROPOSED	
		BUILDING
		EDGE OF PAVEMENT
		CURB
		SIDEWALK
		SINGLE WHITE LINE
		RETAINING WALL
		FENCE
		1' CONTOUR
		SPOT GRADE
		DRAINAGE
		WATER
		GRAVITY SEWER
		UNDERGROUND TELE.
		U/G POWER
		PRESSURE SEWER MAIN
		OVERHEAD WIRES
		GAS
		FIRE HYDRANT
		UTILITY POLE
		UTILITY POLE w/ LIGHT
		CATCHBASIN
		MANHOLE
		WATER SHUT OFF
		WATER VALVE
		SAWCUT

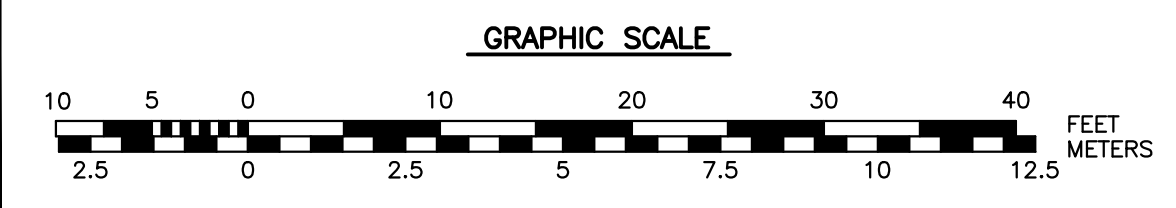
REMOVE EXISTING SIDEWALK, ASPHALT & CURB. RESET CURB & CONSTRUCT NEW BRICK SIDEWALK (TYP)

BEGIN RESET CURB

REBUILD EXISTING CB (INCL NEW FRAME & GRATE)

APPROXIMATE LIMIT OF CITY R.O.W. COORDINATE WITH PRIVATE PROPERTY OWNER TO COMPLETE NEW BRICK WALK TO STEPS/WALL

BEGIN REMOVAL OF PAVERS & CONSTRUCT NEW BRICK WALK



NO.	DESCRIPTION	APPD	DATE
B	ISSUED FOR REVIEW	MRB	02/25/20
A	ISSUED FOR REVIEW	MRB	02/21/20

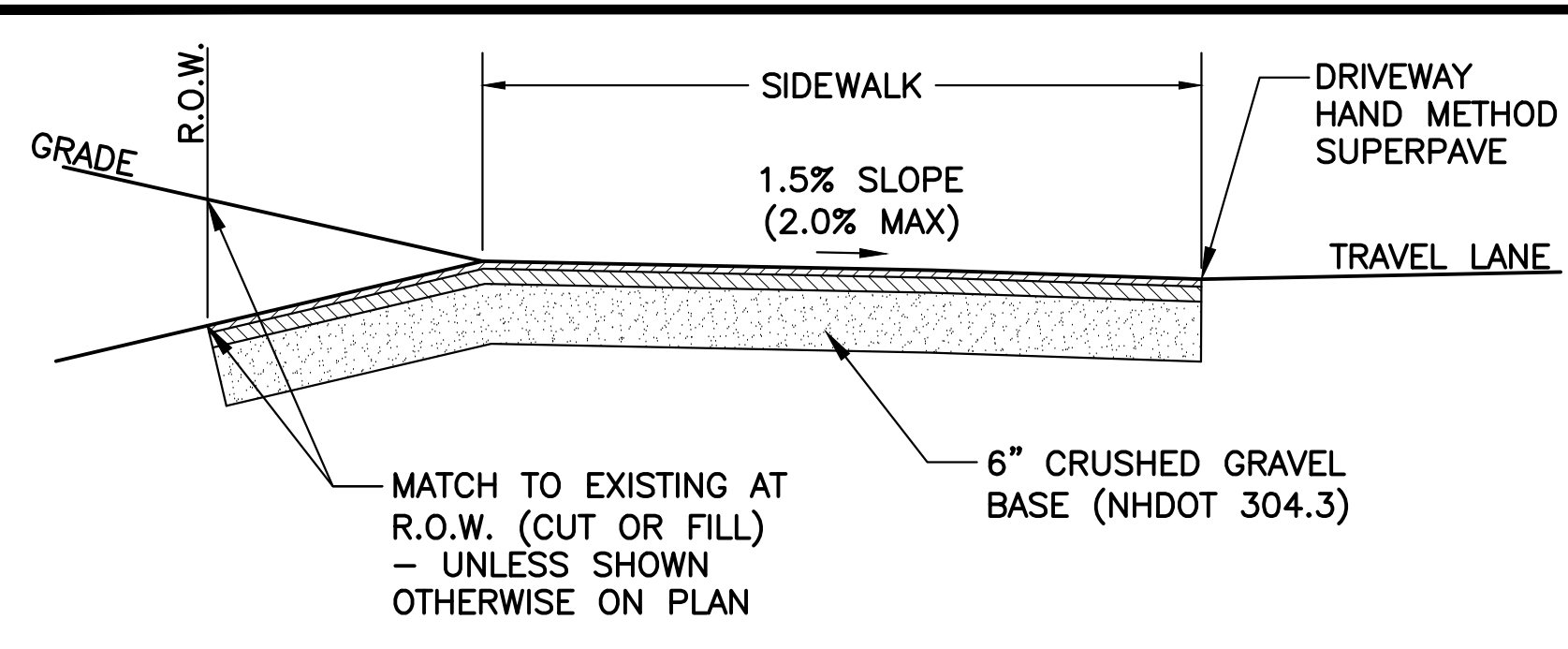
DATE: FEBRUARY 20, 2020
 SCALE: 1:10
 PROJECT NO.: C&P-009
 MARC R. BATCHELDER, PE
 ENGINEER OF RECORD

FOR: Bow Street Sidewalk Improvements
 Portsmouth, NH

Seaport Engineering, LLC
 PORTSMOUTH, NH
 (603) 498-8449
 www.seaporteng.com

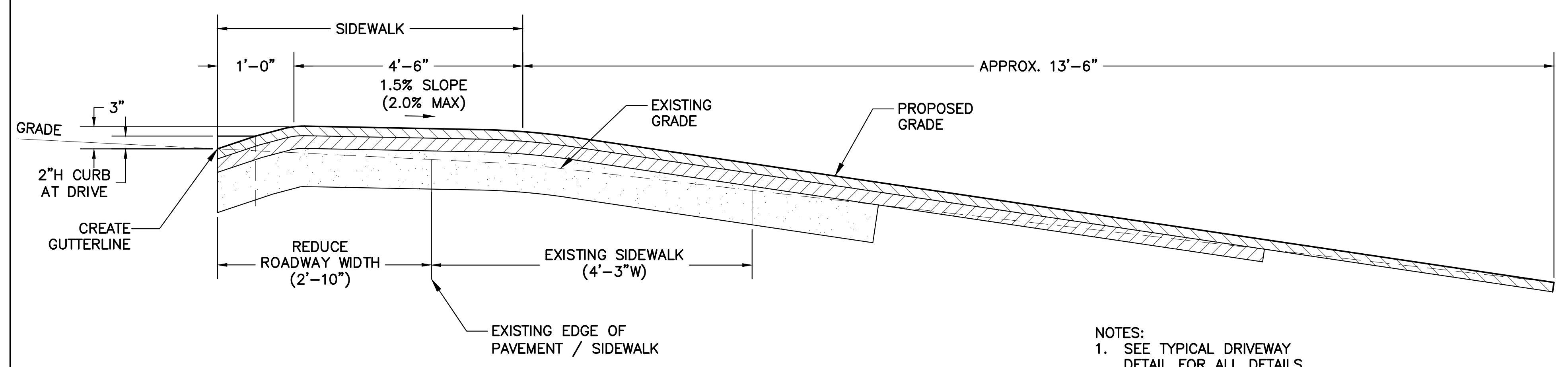
TITLE: CURB and SIDEWALK LAYOUT PLAN

C-101



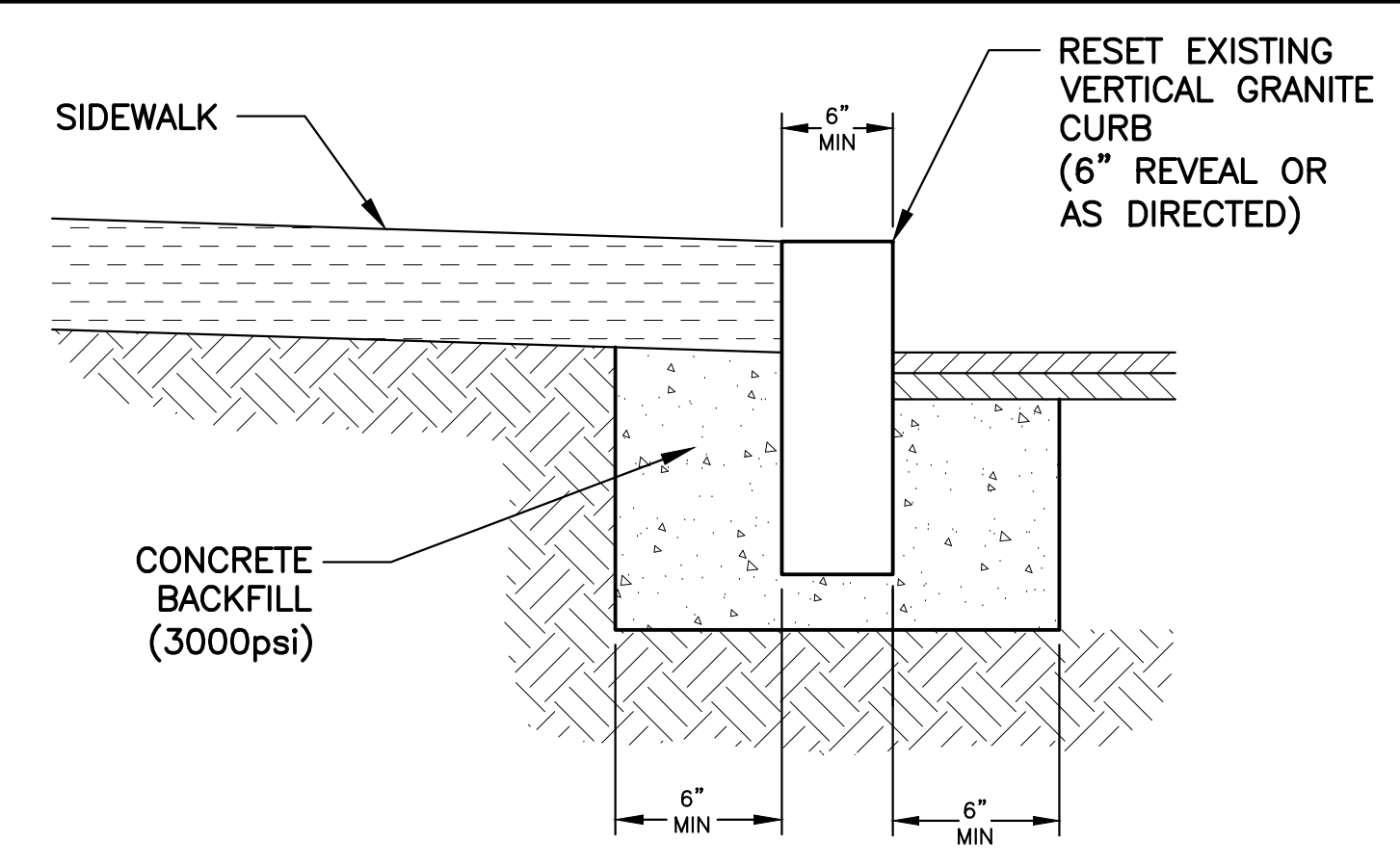
- NOTES:
- DRIVEWAY PAVEMENT SHALL BE:
 - 1.5" WEARING (3/8" 50 GYRATION)
 - 2.0" BINDER (1/2" 50 GYRATION)
 - ENGINEER TO DETERMINE IF EXISTING BASE MATERIALS ARE ACCEPTABLE.

TYPICAL DRIVEWAY SECTION
SCALE: N.T.S



- NOTES:
- SEE TYPICAL DRIVEWAY DETAIL FOR ALL DETAILS.

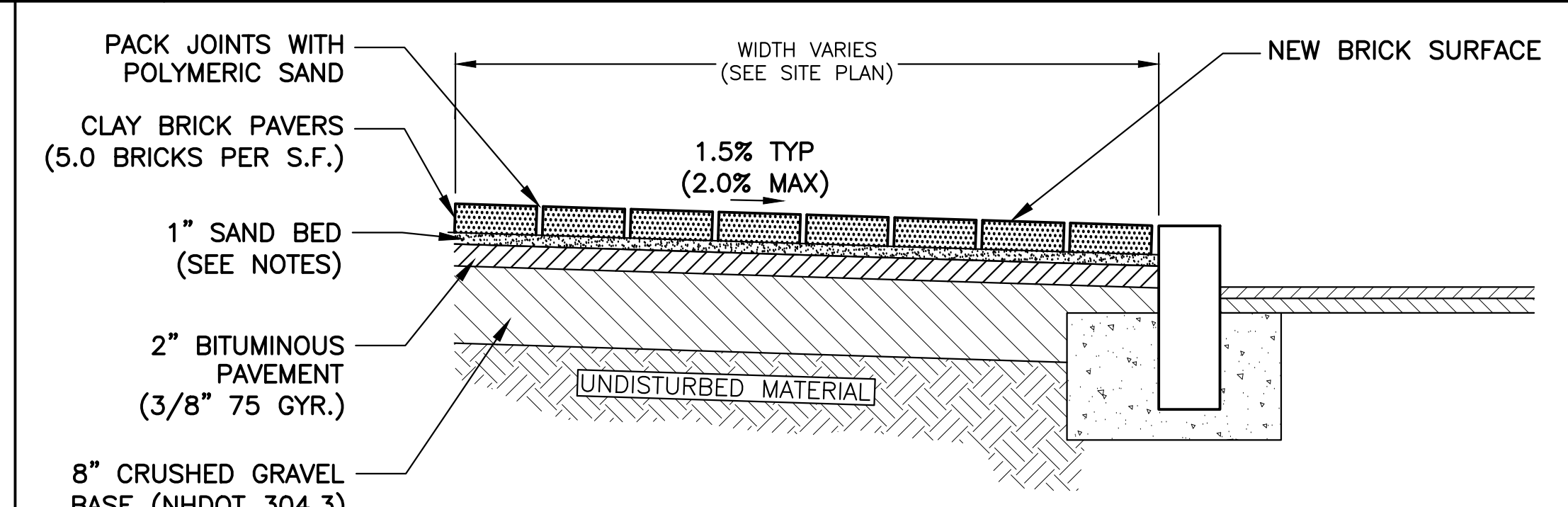
DRIVEWAY SECTION A-A
SCALE: N.T.S



RADIUS	MAX. LENGTH
<20'	USE CURVED CURB
21'-25'	3'
26'-30'	4'
31'-35'	5'
36'-40'	6'
41'-50'	7'
51'-56'	8'
56'-60'	9'
OVER 60'	10'

- NOTES:
- CURB TO BE SET TO LINE AND GRADE SPECIFIED.
 - ALL RADII 20 FEET AND SMALLER SHALL USE CURVED SECTIONS.
 - CURB AT FLUSH SECTION OF SIDEWALK SHALL BE SET TO 1.5% (2.0% MAX.) SLOPE. CURB AT RAMPS SHALL BE SET TO 8.0% (8.3% MAX.). IT IS THE CURB CONTRACTORS RESPONSIBILITY TO VERIFY SLOPES WITH A SMART LEVEL.
 - VERTICAL GRANITE JOINTS SHALL BE MORTARED.
 - SEE CHART FOR MAX / MIN STONE LENGTHS.
 - RESET EXISTING CURB. ANY MISSING OR DAMAGED CURB SHALL BE REPLACED WITH MATCHING CURB SIZE.
 - NO CURB LESS THAN 3" IN LENGTH WILL BE ALLOWED.
 - CURB MATERIAL SHALL BE FROM THE SAME LOT OF GRANITE. VARIANCES IN COLOR AND TYPE WILL NOT BE ACCEPTED.

VERTICAL GRANITE CURB
SCALE: N.T.S



- NOTES:
- PINEHALL PAVERS ARE REQUIRED. CONTRACTOR SHALL SUBMIT SAMPLE OF BRICKS FOR APPROVAL BY THE CITY OF PORTSMOUTH.
 - IN AREAS WHERE BRICK DOES NOT ABUT CURBING, EDGING SHALL BE INSTALLED TO HOLD BRICKS IN PLACE.
 - SAND BEDDING: 3 PARTS SAND MIX AND 1 PART PORTLAND CEMENT.
 - BRICKS SHALL BE CLASS SX, TYPE 1, APPLICATION PX. BRICKS SHALL BE NO.1, WIRE CUT FOR PAVING w/COMPRESSIVE STRENGTH OF 6,000psi (MIN.). BRICKS SHALL NOT BE CORED OR HAVE FROGS AND SHALL BE STANDARD SIZE (2.25"x3.625"x7.625").

BRICK SIDEWALK
SCALE: N.T.S

- SITE NOTES:
- ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 - ALL WORK SHALL CONFORM TO THE CITY OF PORTSMOUTH DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS.
 - MATERIALS AND CONSTRUCTION SHALL COMPLY TO ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND SPECIFICATIONS.
 - PAVEMENT MARKINGS AND SIGNS SHALL CONFORM TO THE "MANUAL ON UNIFORM CONTROL DEVICES". "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS".
 - CONTRACTOR SHALL SUBMIT A MAINTENANCE OF TRAFFIC PLAN TO THE CITY OF PORTSMOUTH FOR APPROVAL.
 - CONTRACTOR SHALL BE FAMILIAR WITH ALL AMERICAN WITH DISABILITY ACT (ADA) REQUIREMENTS FOR ACCESSIBILITY.
 - PAVEMENT MARKINGS SUCH AS CROSSWALKS, STOP BARS, LEGENDS AND SYMBOLS SHALL BE THERMOPLASTIC PER AASHTO M249. CENTERLINE AND EDGE STRIPING SHALL BE TRAFFIC PAINT PER AASHTO M248 TYPE 'F'. TRAFFIC PAINT COLOR AS INDICATED IN THE PLANS.

- DEMOLITION NOTES:
- LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE AND NOT GUARANTEED. CONTRACTOR SHALL LOCATE ALL UTILITIES, ANTICIPATE CONFLICTS, REPAIR AND/OR RELOCATE EXISTING UTILITIES REQUIRED TO COMPLETE THE WORK.
 - MATERIAL TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED. DISPOSAL SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
 - ANY DAMAGE BY THE CONTRACTOR DURING DEMOLITION AND/OR CONSTRUCTION SHALL BE REPAIRS OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
 - CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND FEES NECESSARY TO COMPLETE THE WORK.
 - ALL WORK WITHIN THE PUBLIC RIGHT OF WAY SHALL BE COORDINATED WITH THE CITY OF PORTSMOUTH.
 - CONTRACTOR SHALL PROTECT ALL FIELD STONE WALLS, FENCES, MAILBOXES, STRUCTURES, ETC. THROUGHOUT THE COMPLETION OF THE WORK.
 - EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF ANY CLEARING OR DEMOLITION WORK. THIS INCLUDES SILT FENCE / SILT SOCK AND INLET PROTECTION BARRIERS.
 - CONTRACTOR SHALL SAWCUT PAVEMENT AT EDGES OF TRENCHES FOR CLEAN VERTICAL EDGES.
 - CONTRACTOR SHALL PHASE DEMOLITION AND CONSTRUCTION AS REQUIRED TO PROVIDE CONTINUOUS ACCESS TO RESIDENTIAL PROPERTIES THROUGHOUT THE CONSTRUCTION PERIOD.

- GRADING NOTES:
- CONTRACTOR SHALL PROVIDE A FINISH PAVEMENT SURFACE FREE OF LOW SPOTS AND PONDING AREAS. THE INTENT OF FINAL GRADING IS TO CREATE SIDEWALKS AND ROADS TO MATCH STOOOPS OF HOMES AND GRADES OF EXISTING DRIVEWAYS TO THE BEST EXTENT POSSIBLE.
 - EXISTING MANHOLE COVERS, CATCHBASIN GRATES, AND WATER VALVES SHALL BE REVIEWED WITH THE CITY PRIOR TO PAVING TO DETERMINE IF REPLACEMENTS WILL BE REQUIRED.
 - ALL WATER SHUT OFF VALVES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADES.
 - ALL DISTURBED AREAS THAT ARE NOT TO BE PAVED OR OTHERWISE TREATED SHALL RECEIVE 6" LOAM, SEED FERTILIZER AND MULCH.
 - CONTRACTOR SHALL PROVIDE THE FOLLOWING MINIMUM REQUIREMENTS FOR COMPACTION:

BELOW PAVEMENT AND CONCRETE AREAS:	95%
TRENCH BEDDING AND BACKFILL:	95%
BELOW LOAM AND SEED AREAS:	90%

 COMPACTION PERCENTAGES SHALL BE THE MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D-1557, METHOD C. FIELD DENSITY TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM D-1556 OR ASTM-2922.

- UTILITY NOTES:
- CONTRACTOR SHALL IDENTIFY AND RECORD SWING TIES TO ALL EXISTING UTILITY STRUCTURES, INCLUDING, BUT NOT LIMITED TO WATER SHUT OFF VALVES, MANHOLES, FIRE HYDRANTS.
 - CONTRACTOR SHALL UTILITY WORK WITH THE APPROPRIATE UTILITY COMPANY.
 - ELECTRIC - EVERSOURCE
 - TELEPHONE - FAIRPOINT
 - WATER/SEWER - CITY OF PORTSMOUTH
 - GAS - UNITIL
 - LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND NOT GUARANTEED. CONTRACTOR SHALL LOCATE ALL UTILITIES, ANTICIPATE CONFLICTS, REPAIR AND/OR RELOCATE EXISTING UTILITIES REQUIRED TO COMPLETE THE WORK.
 - CONTRACTOR SHALL NOTIFY DIG-SAFE 72 HOURS PRIOR TO ANY WORK STARTING. CONTRACTOR REQUIRED TO MAINTAIN AN ACTIVE DIG-SAFE PERMIT THROUGHOUT THE DURATION OF CONSTRUCTION.

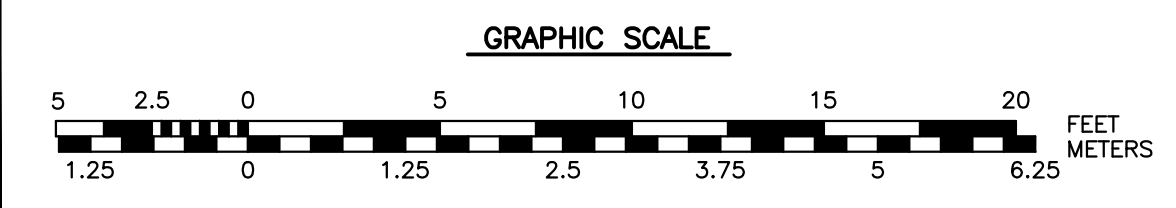
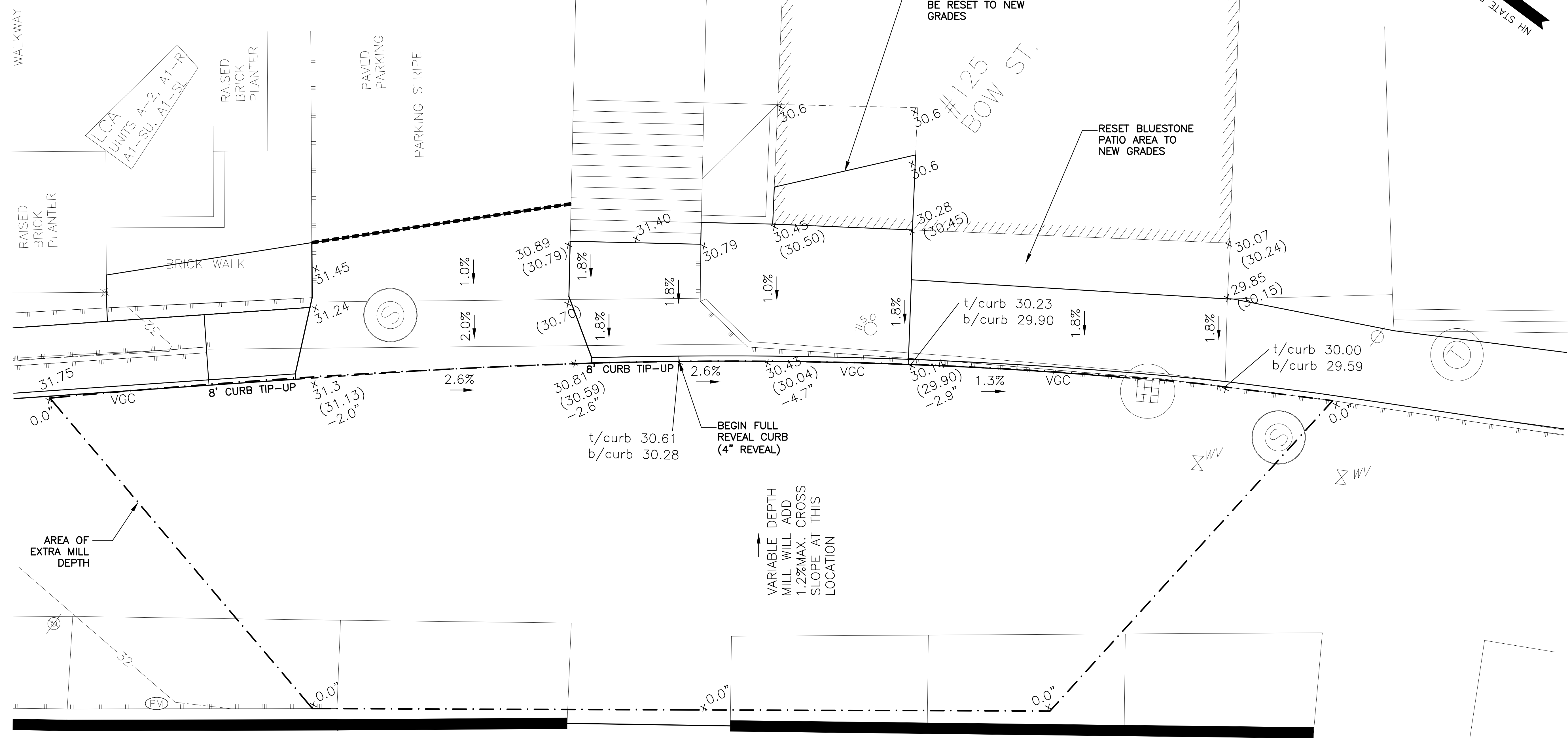
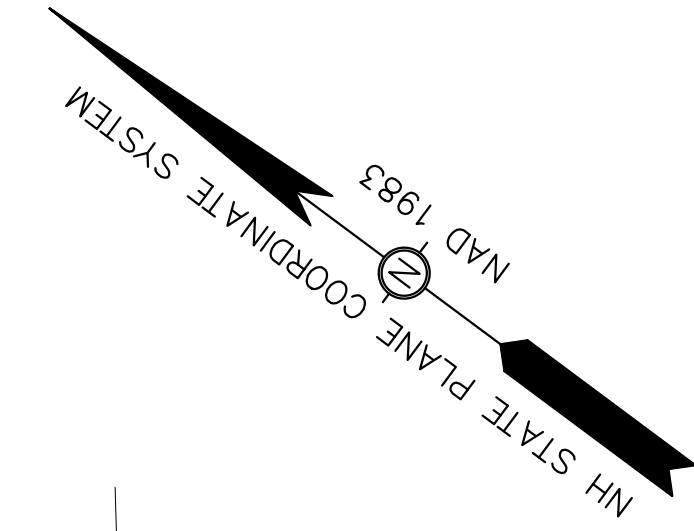
NO.	DESCRIPTION	APPD	DATE
B	ISSUED FOR REVIEW	MRB	02/25/20
A	ISSUED FOR REVIEW	MRB	02/21/20

DATE: FEBRUARY 20, 2020
SCALE: VARIES
PROJECT NO.: Cgp-009
MARC R. BATCHELDER, PE
ENGINEER OF RECORD

FOR: Bow Street Sidewalk Improvements Portsmouth, NH
Seaport Engineering, LLC
PORTSMOUTH, NH
(603) 498-8449
www.seaporteng.com

TITLE: DETAILS and NOTES

LCA UNIT
A1-R



NO.	DESCRIPTION	APP'D	DATE
E	ISSUED FOR REVIEW	MRB	02/27/20
D	ISSUED FOR REVIEW	MRB	02/26/20
C	ISSUED FOR REVIEW	MRB	02/26/20
B	ISSUED FOR REVIEW	MRB	02/25/20
A	ISSUED FOR REVIEW	MRB	02/21/20

DATE: FEBRUARY 20, 2020
 SCALE: 1:15
 PROJECT NO.: CGP-009
 MARC R. BATCHELDER, PE
 ENGINEER OF RECORD

FOR: Bow Street
 Sidewalk
 Improvements
 Portsmouth, NH

Seaport
 Engineering, LLC
 PORTSMOUTH, NH
 (603) 498-8449
 www.seaporteng.com

TITLE:
 DETAILED SIDEWALK
 LAYOUT AT
 #125 BOW STREET

C-103