

NOTES

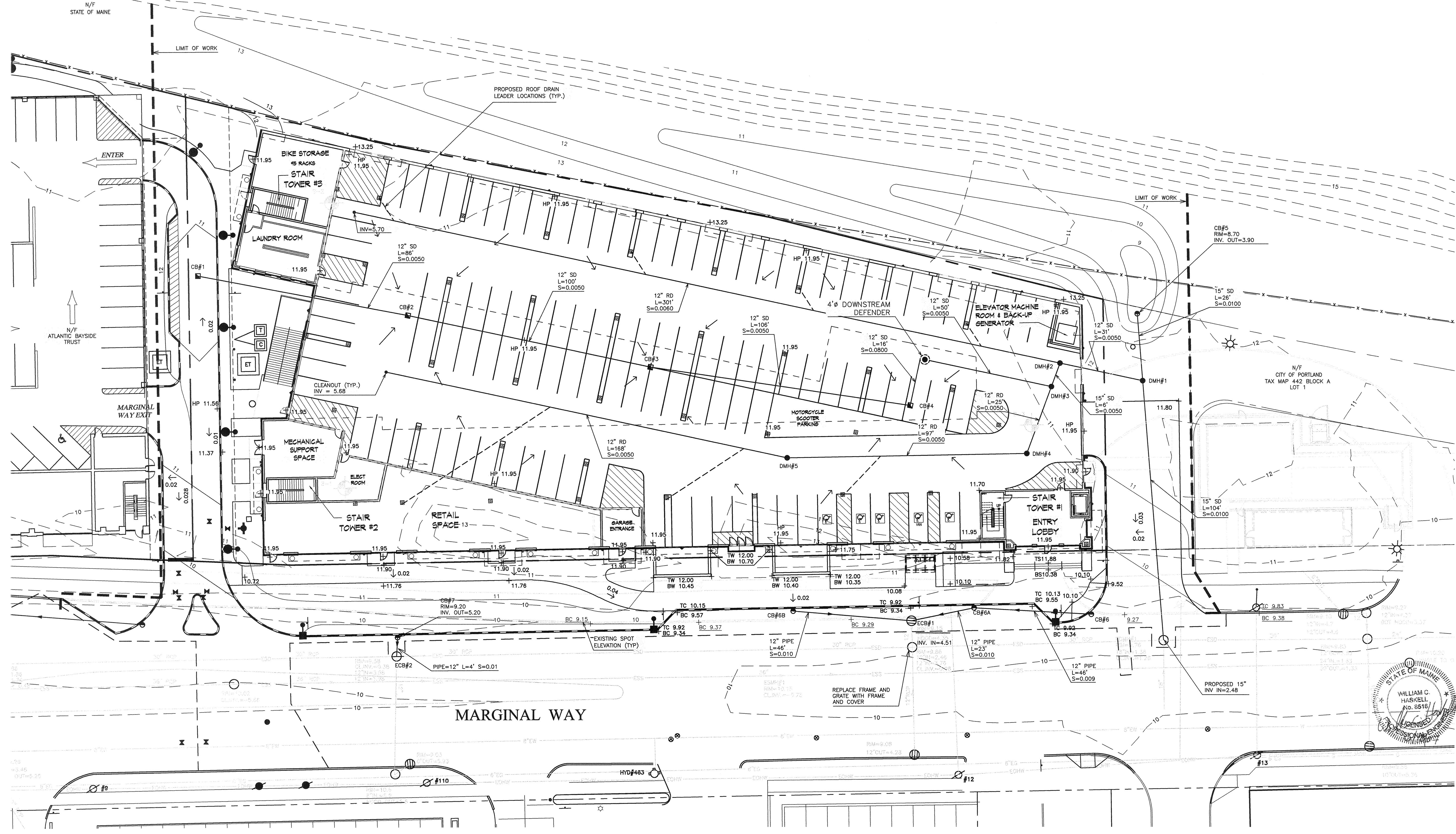
1. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. CALL 1-888-DIGSAFE AT LEAST THREE BUSINESS DAYS BEFORE PERFORMING ANY CONSTRUCTION.
2. EXISTING DRAINAGE MANHOLES SHALL BE CORED TO ACCEPT NEW DRAINAGE PIPES AS NOTED.
3. PIPE LENGTH EQUALS THE CENTER TO CENTER DISTANCES BETWEEN CATCH BASINS AND/OR MANHOLES MINUS ONE-HALF OF THE DIAMETER OF EACH CATCH BASIN OR MANHOLE.
4. ALL CATCH BASINS SHALL BE INSTALLED WITH ECCENTRIC OR CONCENTRIC CONES AS THE TOP RISER SECTION, EXCEPT WHERE COVER WILL REQUIRE A FLAT TOP SECTION TO BE USED (REFER TO CATCH BASIN DETAIL). CATCH BASINS ALONG CURB LINES SHALL BE CONSTRUCTED WITH INLET STONES.
5. ROOF DRAIN CONNECTIONS SHALL BE CONFIRMED WITH FINAL BUILDING PLANS.
6. FOUNDATION DRAIN DESIGN IS UNDER REVIEW. ANTICIPATED LAYOUT WILL PROVIDE 4" DRAINAGE PIPE BEDDED IN CRUSHED STONE AND WRAPPED IN FILTER FABRIC AROUND THE ENCLOSED BUILDING AREA OF THE GROUND LEVEL, AND SHALL OUTLET TO THE NEAREST DRAINAGE STRUCTURES.
7. ALL DRAINAGE CATCH BASINS WITH OUTLET PIPES SMALLER THAN 18 INCHES IN DIAMETER SHALL BE INSTALLED WITH INLET HOODS OVER THE PIPE OUTLET. HOODS SHALL BE SIZED ADEQUATELY SO THAT NO HEADLOSS RESULTS.

STORM DRAIN STRUCTURES

STRUCTURE	SIZE	RIM	INV. IN/SIZE (FROM)	INV. OUT/SIZE (TO)
CB #1	4'	10.31		6.31/12'(CCB #2)
CB #2	4'	11.15	5.88/12'(CCB #1)	5.78/12'(CCB #3)
CB #3	4'	11.15	5.28/12'(CCB #2)	5.18/12'(CCB #4)
CB #4	4'	11.15	4.65/12'(CCB #3)	4.55/12'(WQU)
CB #5	4'	8.70		3.90/15'(DMH #1)
CB #6	4'	9.26		5.26/12'(CCB #6A)
CB #6A	4'	9.24	4.84/12'(CCB #6)	4.74/12'(CCB #1)
CB #6B	4'	9.25		4.97/12'(CCB #1)
CB #7	4'	9.20		5.20/12'(CCB #2)
DMH #1	4'	11.80	3.63/15'(DMH #2)	3.53/15'(EX. SD.)
DMH #2	4'	11.90	3.89/15'(DMH #3)	3.79/15'(DMH #1)
DMH #3	4'	11.80	4.02/12'(WQU)	3.92/15'(DMH #2)
DMH #4	4'	11.65	4.25/12'(DMH #5)	4.15/12'(DMH #3)
DMH #5	4'	11.88	4.84/12'(CRD)	4.74/12'(DMH #4)
WQU	4'	11.40	3.27/12'(CCB #4)	4.27/12'(DMH #3)

LEGEND

	EXISTING	PROPOSED	EXISTING	PROPOSED
PROPERTY LINE	---	---	---	---
MONUMENT FOUND	■ MON	---	---	---
CONTOUR	10	10	---	---
SPOT ELEVATION	+80.43	+80.43	---	---
CATCHBASIN	⊙	⊙	---	---
DRAIN INLET	⊙	⊙	---	---
MANHOLE	○	●	---	---
HYDRANT	⊕	⊕	---	---
WATER VALVE	⊕	⊕	---	---
UTILITY POLE	⊕	⊕	---	---
TEST BORING	⊕	⊕	---	---
WATER SERVICE	EW	W	---	---
SEWER SERVICE	ESS	SS	---	---
STORM DRAIN	ESD	SD	---	---
COMBINED SEWER	ECS	---	---	---
ELECTRIC SERVICE	EE	E	---	---
GAS SERVICE	EG	G	---	---
TELEPHONE AND CABLE SERVICE	---	T+C	---	---
OVERHEAD WIRES	EOHW	---	---	---
SITE LIGHTING ELECTRIC	---	---	---	---
ELECTRIC TRANSFORMER	---	ET	---	---
TELEPHONE PAD	---	T	---	---
CABLE PAD	---	C	---	---
LIGHT FIXTURE - STREET	---	---	---	---
LIGHT FIXTURE - SITE	---	---	---	---
LIGHT FIXTURE - BUILDING	---	---	---	---
CURB	---	---	---	---



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Title:
GRADING AND DRAINAGE PLAN

Scale: 1"=20'

North:

 Sheet No:
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