

W5008-008A  
April 27, 2022

Mr. Rick Chellman, Chairman  
City of Portsmouth Planning Board  
1 Junkins Avenue  
Portsmouth, New Hampshire 03801

**Re: Amended Site Review Permit Application  
Proposed Building Expansion, 2454 Lafayette Road, Portsmouth, NH**

Dear Chairman Chellman:

On behalf of 2422 Lafayette Road Associates, LLC (owner/applicant), we are pleased to submit one (1) set of hard copies of the following information to support a request for an Amended Site Review Permit for the above referenced project:

- One (1) full size & one (1) half size copy of the Site Plan Set, last revised April 27, 2022;
- TAC Comment Response Report, dated April 27, 2022;
- Amended Site Plan Overlay Exhibit, dated March 22, 2022;
- Fire Truck Turning Exhibit, last revised April 27, 2022;
- Trip Generation Letter, date April 8, 2022;
- Proposed Building Elevations, prepared by Landry Architects

The proposed project is located at 2454 Lafayette Road on properties identified as Map 273 Lot 3 on the City of Portsmouth Tax Maps and is located in the Gateway Neighborhood Mixed Use Corridor, G1 District. The existing parcel is approximately 18.7 acres and is bound by an access drive for Water County to the north, Water Country property to the east, Route One (Lafayette Road) to the south and Constitution Avenue to the west.

The proposed project will amend the commercial pad along the eastern property line of the site which was previously approved in October 2012 and constructed in 2013. The Portsmouth Green site previously received an additional Site Plan approval from the Planning Board in April 2016 for the construction of a 4-story residential building in the rear of the site and two (2) new commercial pads in the plaza's existing front parking lot. The residential building was completed in the fall of 2017. The project site received an Amended Site Plan approval from the Planning Board in December 2018 for the commercial pads near the entrance to the plaza. Construction of those commercial spaces was completed in 2020. Site Plan approval was also granted from the Planning Board in December 2021 for the demolition of the existing cinema and the construction of a 5-story residential building.

The enclosed Amended Site Plan package includes the demolition of the existing 1,833 SF diner located at the end of the eastern commercial building and replacing it with 3,650 SF of retail space. The proposed retail space will be divided into two separate spaces to accommodate two new tenants. In addition to the pad revision, the enclosed Site Plans reconfigure the sidewalk adjacent to the new retail spaces, relocate five (5) bicycle racks previously approved and constructed adjacent to the diner, and reroute the existing sewer line around the proposed retail pad.



Also enclosed is an Amended Site Plan Overlay Exhibit with the current proposed site revisions (in red) overlaid on the prior approved layout (in black). This amended proposal will result in a minor increase of impervious area from the prior approval by approximately 1,355 SF ( $\pm 0.17\%$  of the entire site). These changes have a negligible impact on the existing stormwater management system that treats and infiltrates the runoff generated by the plaza. Peak runoff rates in the Post Development stormwater calculations that were previously prepared for the project do not change.


We respectfully request to be placed on the Planning Board meeting agenda for May 19, 2022. If you have any questions or need any additional information, please contact Neil Hansen by phone at (603) 294-9213 or by email at [nahansen@tighebond.com](mailto:nahansen@tighebond.com).

Sincerely,

**TIGHE & BOND, INC.**



Neil A. Hansen, PE  
Project Manager



Patrick M. Crimmins, PE  
Vice President

Cc: 2422 Lafayette Road Associates, LLC (via e-mail)

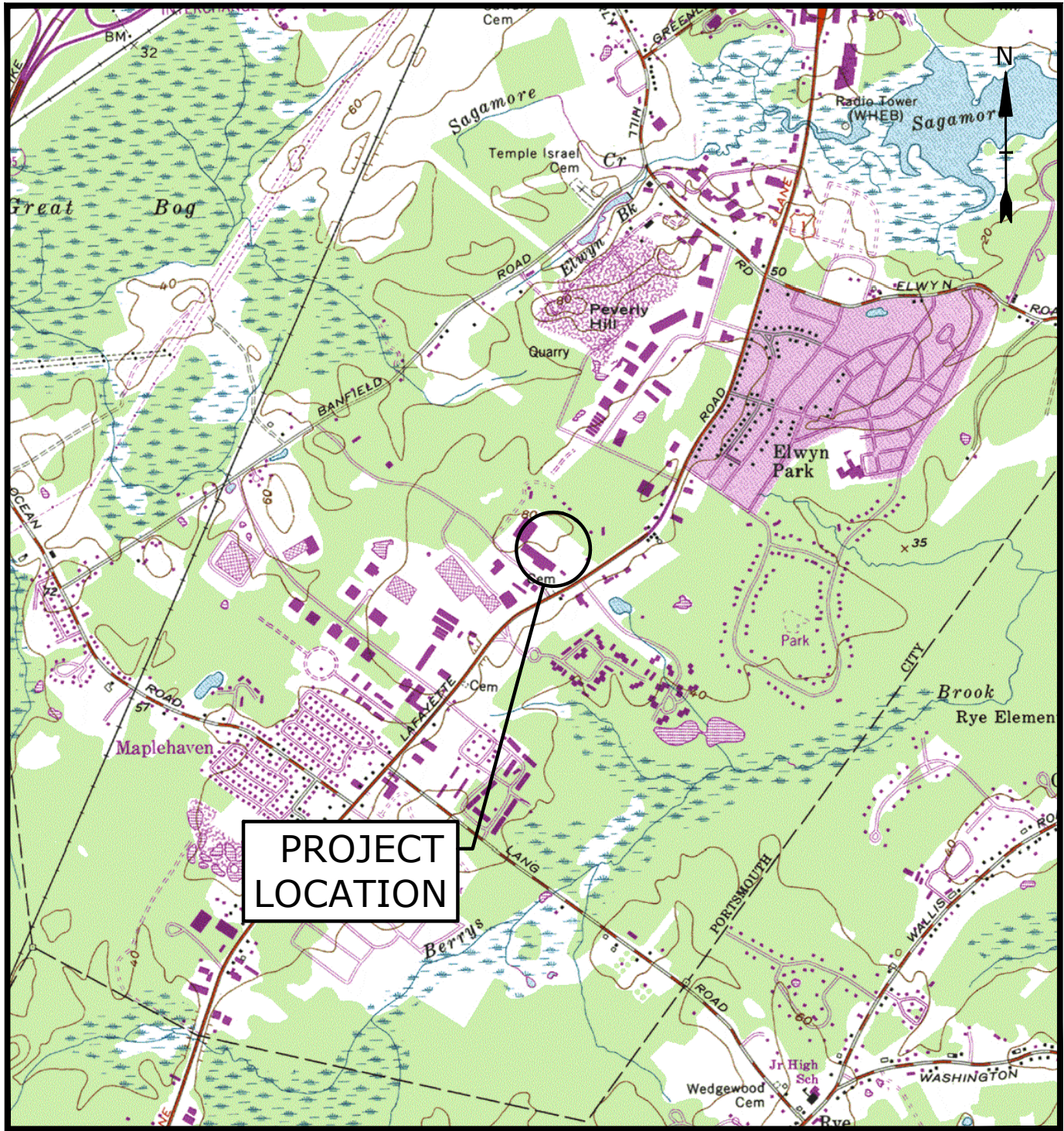


# PORTSMOUTH GREEN PROPOSED BUILDING EXPANSION

PORTSMOUTH, NEW HAMPSHIRE  
AMENDED SITE PLAN DRAWINGS

MARCH 22, 2022  
LAST REVISED: APRIL 27, 2022

LIST OF DRAWINGS		
SHEET NO.	SHEET TITLE	LAST REVISED
	COVER SHEET	04/27/2022
C-101	OVERALL APPROVED PLAZA PLAN	04/27/2022
C-101.1	EXISTING CONDITIONS / DEMOLITION PLAN	04/27/2022
C-102	OVERALL PROPOSED PLAZA PLAN	04/27/2022
C-102.1	SITE PLAN	04/27/2022
C-103	GRADING, DRAINAGE, EROSION CONTROL & UTILITIES PLAN	04/27/2022
C-501	EROSION CONTROL NOTES & DETAILS SHEET	04/27/2022
C-502	DETAILS SHEET	04/27/2022
C-503	DETAILS SHEET	04/27/2022



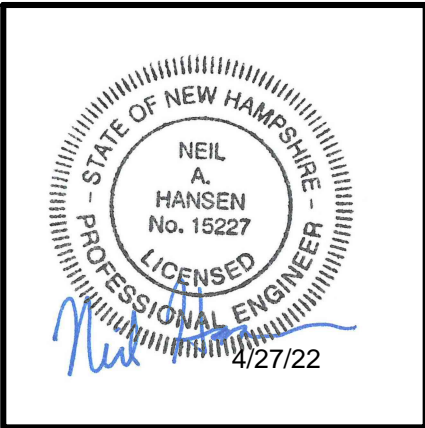
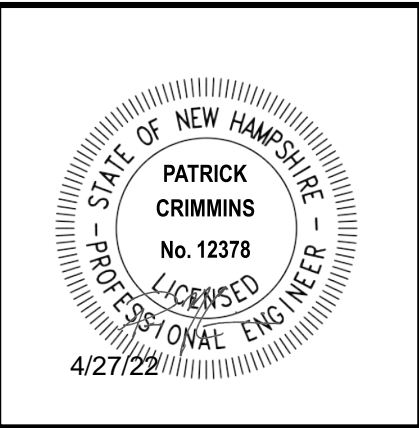
LOCATION MAP  
SCALE: 1" = 2,000'

CONSTRUCTION NOTES:  
1. THE CONTRACTOR SHALL NOT RELY ON SCALED DIMENSIONS AND SHALL CONTACT THE ENGINEER FOR CLARIFICATION IF A REQUIRED DIMENSION IS NOT PROVIDED ON THE PLANS.  
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, AND FOR SITE CONDITIONS THROUGHOUT CONSTRUCTION. NEITHER THE PLANS NOR THE SEAL OF THE ENGINEER AFFIXED HEREON EXTEND TO OR INCLUDE SYSTEMS REQUIRED FOR THE SAFETY OF THE CONTRACTOR, THEIR EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND IMPLEMENTING SAFETY PROCEDURES AND SYSTEMS AS REQUIRED BY THE UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AND ANY STATE OR LOCAL SAFETY REGULATIONS.  
3. TIGHE & BOND. ASSUMES NO RESPONSIBILITY FOR ANY ISSUES LEGAL OR OTHERWISE, RESULTING FROM CHANGES MADE TO THESE DRAWINGS WITHOUT WRITTEN AUTHORIZATION OF TIGHE & BOND.

PREPARED BY:

**Tighe&Bond**

177 Corporate Drive  
Portsmouth, NH 03801  
(603) 433-8818



OWNER:

2422 Lafayette Road Associates, LLC  
c/o Waterstone Retail Development  
250 First Avenue, Suite 202  
Needham, Massachusetts 02494

SURVEY CONSULTANT:

Doucet Survey, Inc.  
102 Kent Place  
Newmarket, NH 03110

APPLICANT:

Waterstone Properties Group, Inc.  
250 First Avenue, Suite 202  
Needham, Massachusetts 02494

ARCHITECT:

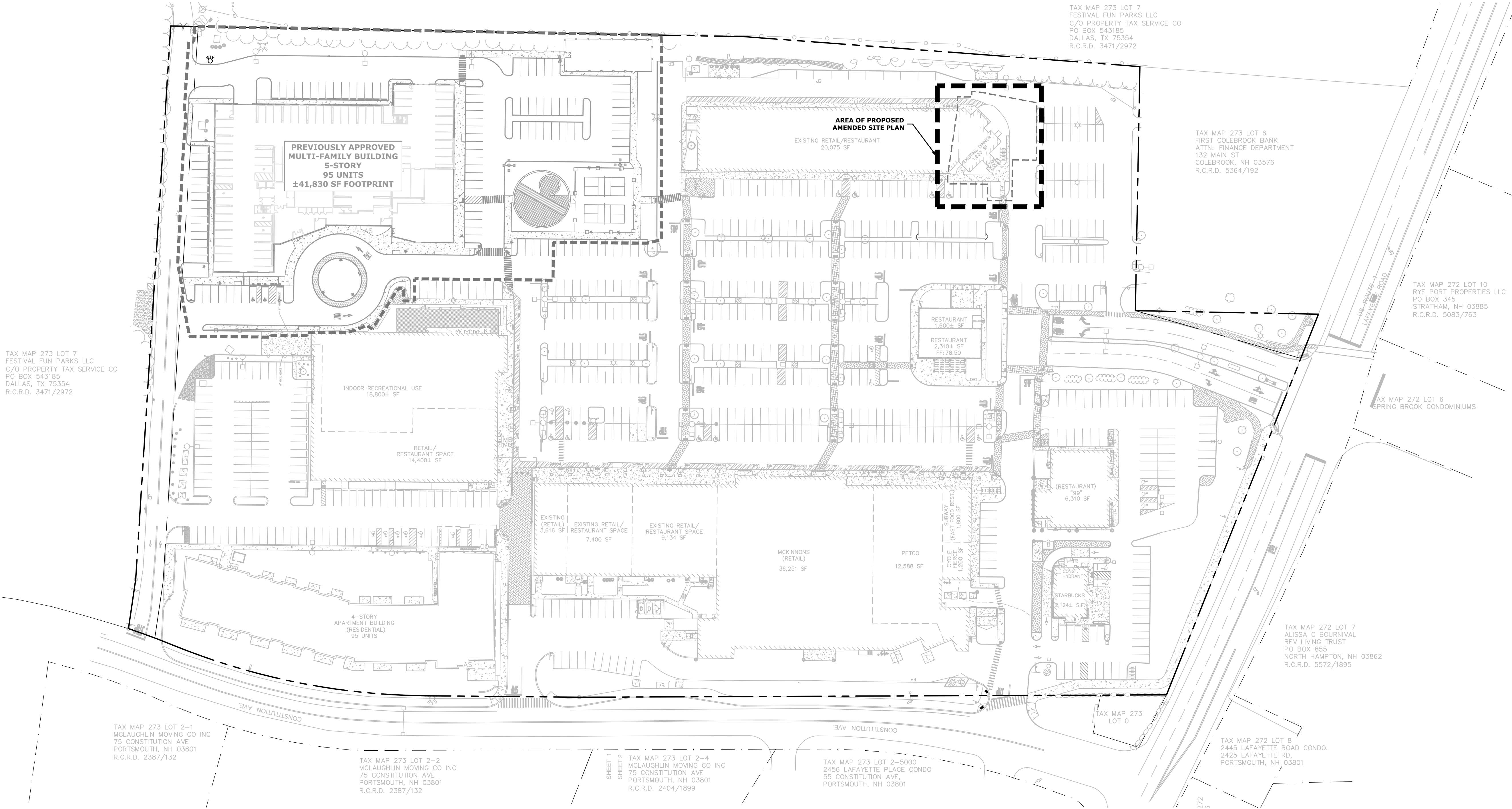
Landry Architects, LLC  
200 International Drive,  
Suite 150  
Portsmouth, NH 03801

**PB SUBMISSION  
COMPLETE SET 9 SHEETS**





Last Save Date: April 25, 2022 1:17 PM By: MAHANSEN  
Plot Date: Tuesday, April 26, 2022 Plotted By: Neil A. Hansen  
File Location: J:\W5008 Waterstone Retail\008A - Portsmouth Green - Building 2 Expansion\Drawings - Figures\AutoCAD Sheet\W5008-008A\_C-DSGN.dwg Layout Tab: D-Exist



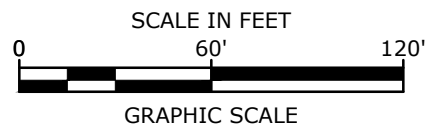
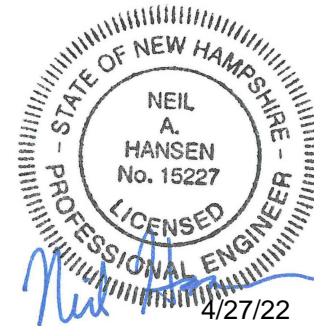
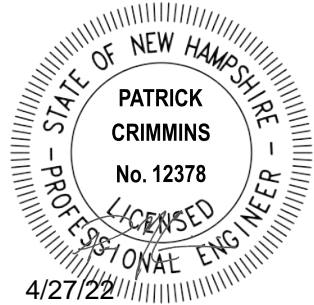
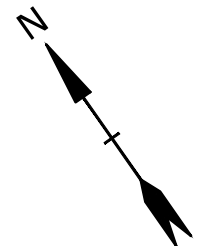
**EXISTING CONDITIONS PLAN NOTES:**

- EXISTING CONDITIONS ARE BASED ON A FIELD SURVEY BY PERFORMED BY DOUCET SURVEY INC. SEE REFERENCE PLANS.
- HORIZONTAL DATUM BASED ON REFERENCE PLAN #5.
- VERTICAL DATUM BASED ON REFERENCE PLAN #5.

**REFERENCE PLANS:**

- "STANDARD BOUNDARY SURVEY MAP 273 - LOT 3 FOR LAFAYETTE PLAZA, LLC" DATED FEBRUARY 2004 BY AMBIT ENGINEERING, INC. R.C.R.D. PLAN D-34306.
- "CONDOMINIUM SITE PLAN OF PORTSMOUTH GREEN CONDOMINIUM FOR 2422 LAFAYETTE ROAD ASSOCIATES, LLC C/O WATERSTONE RETAIL, TAX MAP 273 LOT 3, 2454 LAFAYETTE ROAD (US ROUTE 1) PORTSMOUTH, NEW HAMPSHIRE" DATED OCTOBER 2016 BY DOUCET SURVEY, INC. TO BE RECORDED IN THE R.C.R.D.
- "SOUTHGATE PLAZA RESIDENTIAL DEVELOPMENT, 2454 LAFAYETTE ROAD PORTSMOUTH NEW HAMPSHIRE SITE PLANS" DATED JANUARY 19, 2016 (REVISED SEPTEMBER 26, 2016) BY TIGHE & BOND CONSULTING ENGINEERS.
- "PROPOSED EASEMENT PLAN" FOR 2422 LAFAYETTE ROAD ASSOCIATES, LLC C/O WATERSTONE RETAIL. DATED OCTOBER 26, 2016 BY DOUCET SURVEY, INC.
- "TOPOGRAPHIC WORKSHEET OF PORTSMOUTH GREEN" FOR TIGHE & BOND, TAX MAP 273 LOT 3, 2454 LAFAYETTE ROAD (US ROUTE 1) PORTSMOUTH, NEW HAMPSHIRE" DATED DECEMBER 2017 BY DOUCET SURVEY, INC.
- "AS-BUILT CONDOMINIUM SITE PLAN FOR 2422 LAFAYETTE ROAD ASSOCIATES, LLC OF PORTSMOUTH GREEN CONDOMINIUM, TAX MAP 273 LOT 3, 2454 LAFAYETTE ROAD (US ROUTE 1) PORTSMOUTH, NEW HAMPSHIRE" DATED AUGUST 25, 2020 BY DOUCET SURVEY, INC.
- "PROPOSED MULTI-FAMILY DEVELOPMENT - PORTSMOUTH GREEN" SITE PLAN SET, COMPLETE SET 27 SHEETS, DATED AUGUST 5, 2021 (REVISED DECEMBER 8, 2021) PREPARED BY TIGHE & BOND CONSULTING ENGINEERS.

**Tighe&Bond**



**Proposed  
Building  
Expansion**

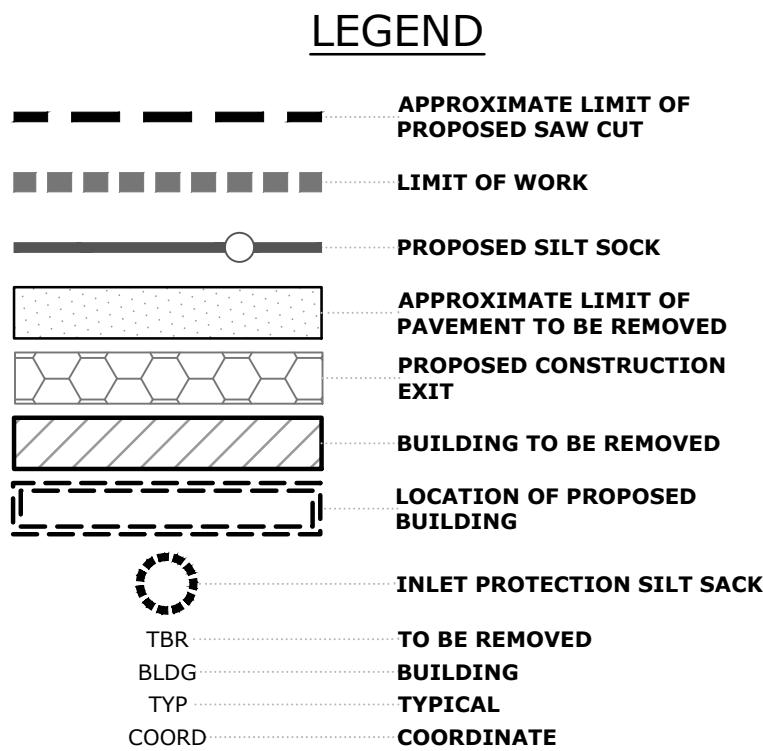
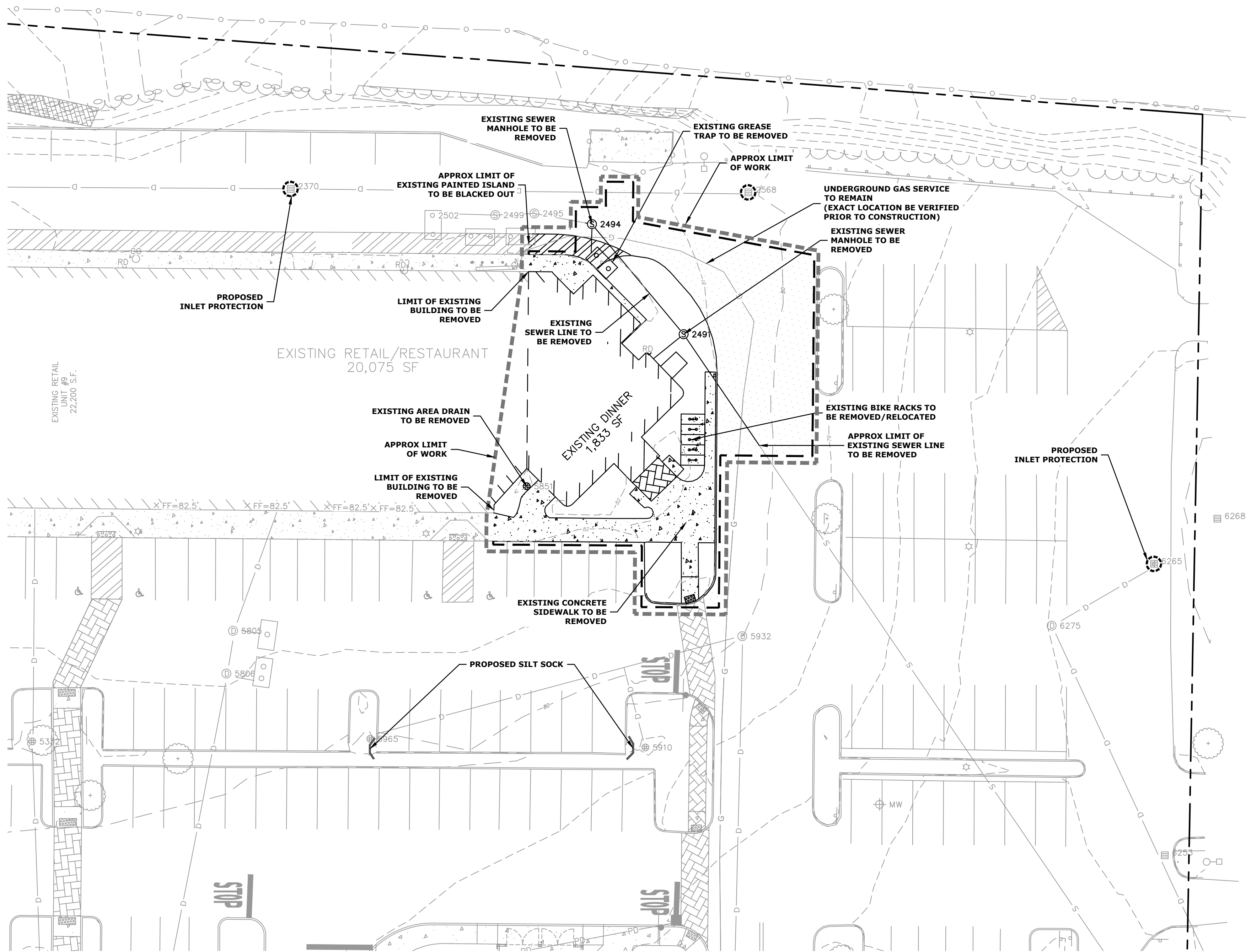
Waterstone  
Properties Group,  
Inc.

Portsmouth, New  
Hampshire

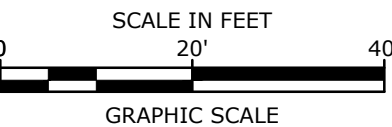
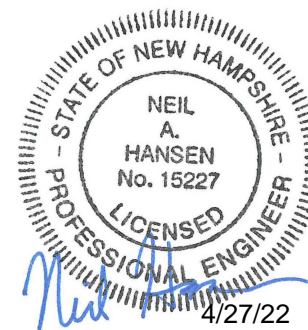
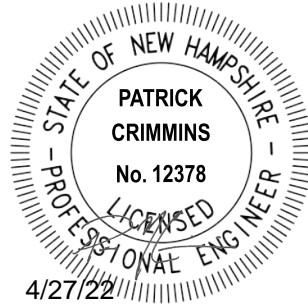
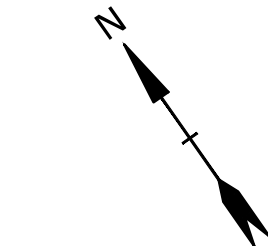
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A	3/22/2022	Amended Site Plan Review Submission
MARK	DATE	DESCRIPTION
PROJECT NO:		W5008-008A
DATE:		3/22/2022
FILE:		W5008-008A_C-DSGN.DWG
DRAWN BY:		CML
CHECKED:		NAH
APPROVED:		PMC
OVERALL APPROVED PLAZA PLAN		
SCALE:		AS SHOWN
C-101		



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- DEMOLITION NOTES:**
- THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE AND THE LOCATIONS ARE NOT GUARANTEED BY THE OWNER OR THE ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES, ANTICIPATE CONFLICTS, REPAIR EXISTING UTILITIES AND RELOCATE EXISTING UTILITIES REQUIRED TO COMPLETE THE WORK.
  - THE CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES. CALL DIG SAFE AT LEAST 72 HOURS PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION/CONSTRUCTION ACTIVITIES.
  - ALL MATERIALS SCHEDULED TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. THE CONTRACTOR SHALL DISPOSE OF ALL MATERIALS OFF-SITE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS, ORDINANCES AND CODES.
  - COORDINATE REMOVAL, RELOCATION, DISPOSAL OR SALVAGE OF UTILITIES WITH THE OWNER AND APPROPRIATE UTILITY COMPANY.
  - ANY EXISTING WORK OR PROPERTY DAMAGED OR DISRUPTED BY CONSTRUCTION/DEMOLITION ACTIVITIES SHALL BE REPLACED OR REPAIRED TO MATCH ORIGINAL EXISTING CONDITIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
  - SAW CUT AND REMOVE PAVEMENT ONE (1) FOOT OFF PROPOSED EDGE OF PAVEMENT OR EXISTING CURB LINE IN ALL AREAS WHERE PAVEMENT TO BE REMOVED ABUTS EXISTING PAVEMENT OR CONCRETE TO REMAIN.
  - IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE CONDITIONS OF ALL OF THE PERMIT APPROVALS.
  - THE CONTRACTOR SHALL OBTAIN AND PAY FOR ADDITIONAL PERMITS, NOTICES AND FEES NECESSARY TO COMPLETE THE WORK AND ARRANGE FOR AND PAY FOR NECESSARY INSPECTIONS AND APPROVALS FROM THE AUTHORITIES HAVING JURISDICTION.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND OFF-SITE DISPOSAL OF MATERIALS REQUIRED TO COMPLETE THE WORK.
  - UTILITIES SHALL BE TERMINATED AT THE MAIN LINE PER UTILITY COMPANY STANDARDS. THE CONTRACTOR SHALL REMOVE ALL ABANDONED UTILITIES LOCATED WITHIN THE LIMITS OF WORK.
  - CONTRACTOR SHALL VERIFY ORIGIN OF ALL DRAINS AND UTILITIES PRIOR TO REMOVAL/TERMINATION TO DETERMINE IF DRAINS OR UTILITY IS ACTIVE, AND SERVICES ANY ON OR OFF-SITE STRUCTURE TO REMAIN. THE CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY SUCH UTILITY FOUND AND SHALL MAINTAIN THESE UTILITIES UNTIL PERMANENT SOLUTION IS IN PLACE.
  - PAVEMENT REMOVAL LIMITS ARE SHOWN FOR CONTRACTOR'S CONVENIENCE. ADDITIONAL PAVEMENT REMOVAL MAY BE REQUIRED DEPENDING ON THE CONTRACTOR'S OPERATION. CONTRACTOR TO VERIFY FULL LIMITS OF PAVEMENT REMOVAL PRIOR TO BID.
  - THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING STRUCTURES, CONCRETE PADS, UTILITIES AND PAVEMENT WITHIN THE WORK LIMITS SHOWN UNLESS SPECIFICALLY IDENTIFIED TO REMAIN. ITEMS TO BE REMOVED INCLUDE BUT ARE NOT LIMITED TO: CONCRETE, PAVEMENT, CURBS, LIGHTING, MANHOLES, CATCH BASINS, UNDER GROUND PIPING, POLES, STAIRS, SIGNS, FENCES, RAMPS, WALLS, BOLLARDS, BUILDING SLABS, FOUNDATION, TREES AND LANDSCAPING.
  - CONTRACTOR SHALL PROTECT ALL PROPERTY MONUMENTATION THROUGHOUT DEMOLITION AND CONSTRUCTION OPERATIONS. SHOULD ANY MONUMENTATION BE DISTURBED BY THE CONTRACTOR, THE CONTRACTOR SHALL EMPLOY A NEW HAMPSHIRE LICENSED SURVEYOR TO REPLACE DISTURBED MONUMENTS.
  - PROVIDE INLET PROTECTION BARRIERS AT ALL CATCH BASINS/CURB INLETS WITHIN CONSTRUCTION LIMITS AS WELL AS CATCH BASINS/CURB INLETS THAT RECEIVE RUNOFF FROM CONSTRUCTION ACTIVITIES. INLET PROTECTION BARRIERS SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT. INLET PROTECTION BARRIERS SHALL BE "HIGH FLOW SILT SACK" BY ACF ENVIRONMENTAL OR EQUAL. INSPECT BARRIERS WEEKLY AND AFTER EACH RAIN EVENT OF 0.25 INCHES OR GREATER. CONTRACTOR SHALL COMPLETE A MAINTENANCE INSPECTION REPORT AFTER EACH INSPECTION. SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT OR MORE OFTEN IF THE FABRIC BECOMES CLOGGED OR SEDIMENT HAS ACCUMULATED TO 1/3 THE DESIGN DEPTH OF THE BARRIER.
  - THE CONTRACTOR SHALL PHASE DEMOLITION AND CONSTRUCTION AS REQUIRED TO PROVIDE CONTINUOUS SERVICE TO EXISTING BUSINESSES AND HOMES THROUGHOUT THE CONSTRUCTION PERIOD. EXISTING BUSINESS AND HOME SERVICES INCLUDE, BUT ARE NOT LIMITED TO ELECTRICAL, COMMUNICATION, FIRE PROTECTION, DOMESTIC WATER AND SEWER SERVICES. TEMPORARY SERVICES, IF REQUIRED, SHALL COMPLY WITH ALL FEDERAL, STATE, LOCAL AND UTILITY COMPANY STANDARDS. CONTRACTOR SHALL PROVIDE DETAILED CONSTRUCTION SCHEDULE TO OWNER PRIOR TO ANY DEMOLITION/CONSTRUCTION ACTIVITIES AND SHALL COORDINATE TEMPORARY SERVICES TO ABUTTERS WITH THE UTILITY COMPANY AND AFFECTED ABUTTER.
  - EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF ANY CLEARING OR DEMOLITION ACTIVITIES.
  - THE CONTRACTOR SHALL PAY ALL COSTS NECESSARY FOR TEMPORARY PARTITIONING, BARRICADING, FENCING, SECURITY AND SAFETY DEVICES REQUIRED FOR THE MAINTENANCE OF A CLEAN AND SAFE CONSTRUCTION SITE.
  - SAW CUT AND REMOVE PAVEMENT AND CONSTRUCT PAVEMENT TRENCH PATCH FOR ALL UTILITIES TO BE REMOVED AND PROPOSED UTILITIES LOCATED IN EXISTING PAVEMENT AREAS TO REMAIN.



## Proposed Building Expansion

Waterstone Properties Group, Inc.

Portsmouth, New Hampshire

B	4/27/2022	PB Submission
A	3/22/2022	Amended Site Plan Review Submission
MARK	DATE	DESCRIPTION
PROJECT NO:	W5008-008A	
DATE:	3/22/2022	
FILE:	W5008-008A_C-DSGN.DWG	
DRAWN BY:	CML	
CHECKED:	NAH	
APPROVED:	PMC	

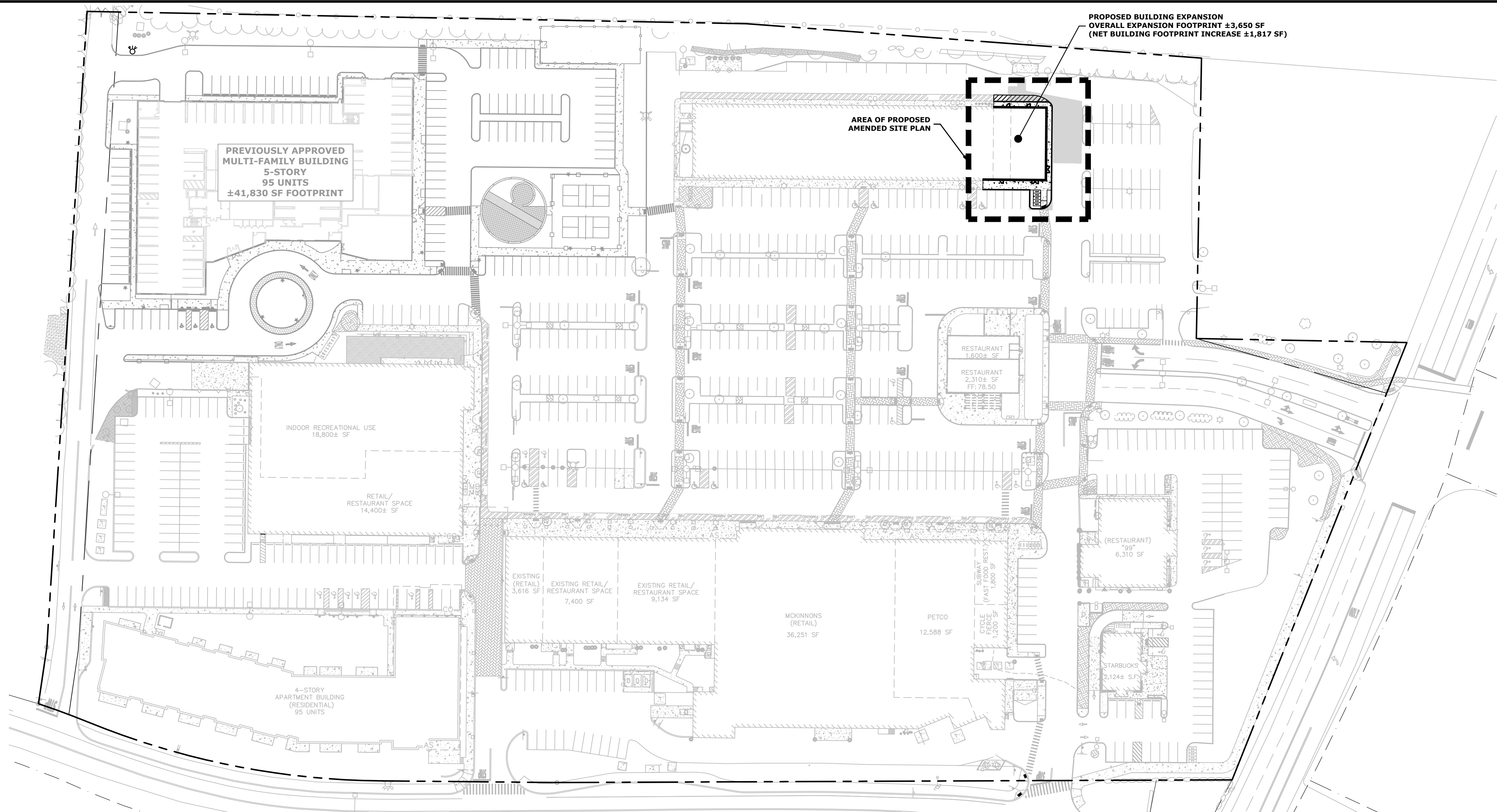
EXISTING CONDITIONS /  
DEMOLITION PLAN

SCALE: AS SHOWN

C-101.1



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#### OVERALL PLAZA SITE DATA:

LOCATION: TAX MAP 273, LOT 3 OWNER: 2422 LAFAYETTE ROAD ASSOCIATES, LLC  
C/O WATERSTONE RETAIL DEVELOPMENT  
250 FIRST AVENUE, SUITE 202  
NEEDHAM, MASSACHUSETTS 02494

ZONING DISTRICT: GATEWAY CORRIDOR (G1)  
PROPOSED USE: SHOPPING CENTER/RESIDENTIAL  
PROPOSED LOT SIZE: ±18.71 ACRES (±814,896 SF)

#### OVERALL PLAZA BUILDING PLACEMENT & LOT STANDARDS

BUILDING STANDARDS:	REQUIRED	PROVIDED
MINIMUM LOT DEPTH:	NR	NR
MINIMUM STREET FRONTAGE:	50 FT	±450 FT
FRONT BUILDING SETBACK:	10 FT MIN, 30 FT MAX	± 419 FT <sup>(1)</sup>
MINIMUM SIDE BUILDING SETBACK:	15 FT	± 57 FT
MINIMUM REAR BUILDING SETBACK:	20 FT	± 52 FT
MINIMUM OPEN SPACE COVERAGE:	20%	±21.6%
FRONT LOT LINE BUILDOUT:	75%	0% <sup>(4)</sup>

BUILDING DESIGN STANDARDS:	REQUIRED	PROVIDED
MAXIMUM BUILDING HEIGHT:	4 STORIES	5 STORIES <sup>(2)</sup>
MINIMUM STREET FACING FACADE HEIGHT:	50 FT	<60 FT <sup>(2)</sup>
MAXIMUM FINISHED FLOOR SURFACE OF GROUND FLOOR ABOVE SIDEWALK GRADE:	24 FT	>24 FT
MAXIMUM BUILDING FOOTPRINT:	NR	<36 IN
MAXIMUM FACADE MODULATION LENGTH:	50 FT	<50 FT
MINIMUM STREET FACING FACADE GLAZING:	20% GROUND FLOOR	>20%

DEVELOPMENT SITE STANDARDS: <sup>(3)</sup>	REQUIRED	PROVIDED
MINIMUM DEVELOPMENT SITE AREA:	20,000 SF	±814,896 SF
MINIMUM SITE WIDTH:	100 FT	±721 FT
MINIMUM SITE DEPTH:	100 FT	±1,137 FT
MINIMUM PERIMETER BUFFER FROM RESIDENTIAL, MIXED RESIDENTIAL, OR CD4-L1 DISTRICTS:	75 FT	N/A
MAXIMUM DEVELOPMENT BLOCK DIMENSIONS:	800 FT	±1,137 FT <sup>(4)</sup>
BLOCK LENGTH:	2,200 FT	±3,780 FT <sup>(4)</sup>
BLOCK PERIMETER:	70%	25.6%
MAXIMUM BUILDING COVERAGE:	20%	±21.6%
MINIMUM OPEN SPACE COVERAGE:	75%	0% <sup>(4)</sup>
FRONT LOT LINE BUILDOUT:		

DENSITY THRESHOLDS AND BONUSES:	REQUIRED	PROVIDED
DWELLING UNITS PER ACRE:	16 UNITS	10.2 UNITS
DWELLING UNITS PER BUILDING:	36 UNITS	95 UNITS <sup>(1)(2)</sup>
PLUS 1-STORY, MAX 10 FT	5 STORIES	5 STORIES <sup>(2)</sup>
	60 FT	<60 FT <sup>(2)</sup>

- (1) - MODIFICATION OF STANDARDS ALLOWED AS PART OF CONDITIONAL USE PERMIT PER 10.5B74.30, APPROVED JANUARY 19, 2022.  
(2) - ALLOWED BY CONDITIONAL USE PERMIT PER 10.5B72 FOR PROVIDING 20% WORK FORCE HOUSING AND PUBLIC REALM IMPROVEMENTS, APPROVED JANUARY 19, 2022.  
(3) - USE OF DEVELOPMENT SITE STANDARDS ALLOWED BY CONDITIONAL USE PERMIT PER 10.5B40, APPROVED JANUARY 19, 2022.  
(4) - EXISTING NON-CONFORMING CONDITION, MODIFICATION OF STANDARDS ALLOWED AS PART OF CONDITIONAL USE PERMIT PER 10.5B74.30, APPROVED JANUARY 19, 2022.

#### OVERALL PLAZA PARKING REQUIREMENTS

PARKING CALCULATIONS:  
RETAIL: 1 SPACE PER 300 GFA  
RESTAURANT: 1 SPACE PER 100 GFA  
INDOOR RECREATION: 1 SPACE PER 4 PERSONS  
RESIDENTIAL: 0.5 SPACES PER UNIT <500 SF  
1 SPACE PER UNIT 500 SF - 750 SF  
1.3 SPACES PER UNIT >750 SF

LOADING CALCULATIONS:  
RETAIL: 0 SPACES FOR 0 - 10,000 SF  
1 SPACE FOR 10,001 - 25,000 SF  
2 SPACES FOR 25,001 - 60,000 SF  
0 SPACES FOR 0 - 10,000 SF  
1 SPACE FOR 10,001 SF - 40,000 SF

SHOPPING CENTER:	AREA (SF):	MINIMUM	PROVIDED	LOADING SPACES:
RETAIL:				MINIMUM PROVIDED
PETCO	±12,588		1	1
CYCLE FIERCE	±1,200		0	1
EXISTING RETAIL/RESTAURANT	±20,075		0	1
PROPOSED RETAIL AREA	±3,650		0	0
EXISTING RETAIL/RESTAURANT (MUSE)	±3,616		0	1
EXISTING RETAIL/RESTAURANT (SHIO JAPANESE)	±7,400		0	1
PROPOSED RESTAURANT (OLD BIG LOTS)	±14,400		1	1
INDOOR RECREATIONAL (PINZ)	±18,800		1	1
SUBWAY	±1,800		0	0
THE 99	±6,310		0	1
McKINNON'S	±36,251		2	3
RETAIL	±9,134		0	1
PROPOSED RESTAURANT	±1,600		1	0
PROPOSED RESTAURANT	±2,310		0	0
STARBUCKS	±2,124		0	1
TOTAL SHOPPING CENTER	±141,258	406 SPACES <sup>(1)</sup>	8	15
RESIDENTIAL:				
PREVIOUSLY APPROVED DWELLING UNITS	95 UNITS			
EXISTING DWELLING UNITS	95 UNITS			
VISITOR PARKING				
TOTAL:		654 SPACES <sup>(1)</sup>	795 SPACES	9 15

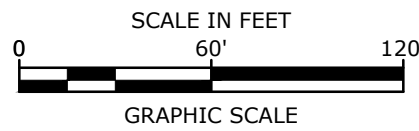
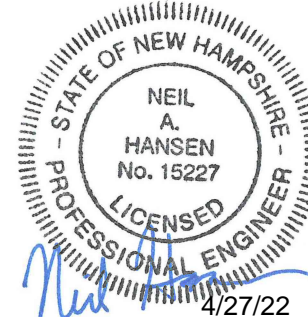
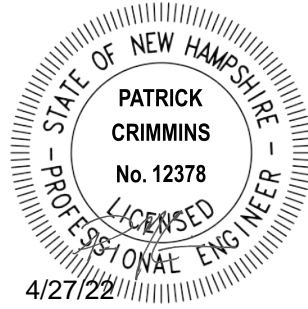
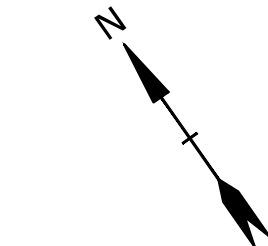
(1) - PER PARKING DEMAND ANALYSIS PERFORMED BY TIGHE & BOND DATED OCTOBER 18, 2021, BASED ON A TOTAL SHOPPING CENTER AREA OF ±139,441 SF.

	REQUIRED	PROVIDED
ACCESSIBLE SPACES (2% OF TOTAL):	15	32
VAN ACCESSIBLE SPACES		
(1 PER 6 ACCESSIBLE SPACES):	2	24
PARKING STALL SIZE:	8.5 FT X 19 FT	8.5 FT X 19 FT
DRIVE AISLE:	24 FT	24 FT, 26 FT

BIKE SPACES REQUIRED:	REQUIRED	PROVIDED
SHOPPING CENTER:		
1 BIKE SPACE / 10 PARKING SPACES		
MAXIMUM OF 30 SPACES	30 SPACES	42 SPACES

RESIDENTIAL:	REQUIRED	PROVIDED
EXISTING 95 DWELLING UNITS	19 SPACES	30 SPACES
PREVIOUSLY APPROVED 95 DWELLING UNITS	19 SPACES	20 SPACES

Tighe&Bond



## Proposed Building Expansion

Waterstone Properties Group, Inc.

Portsmouth, New Hampshire

MARK	DATE	DESCRIPTION
B	4/27/2022	PB Submission
A	3/22/2022	Amended Site Plan Review Submission

PROJECT NO:	W5008-008A
DATE:	3/22/2022
FILE:	W5008-008A_C-DSGN.DWG
DRAWN BY:	CML
CHECKED:	NAH
APPROVED:	PMC

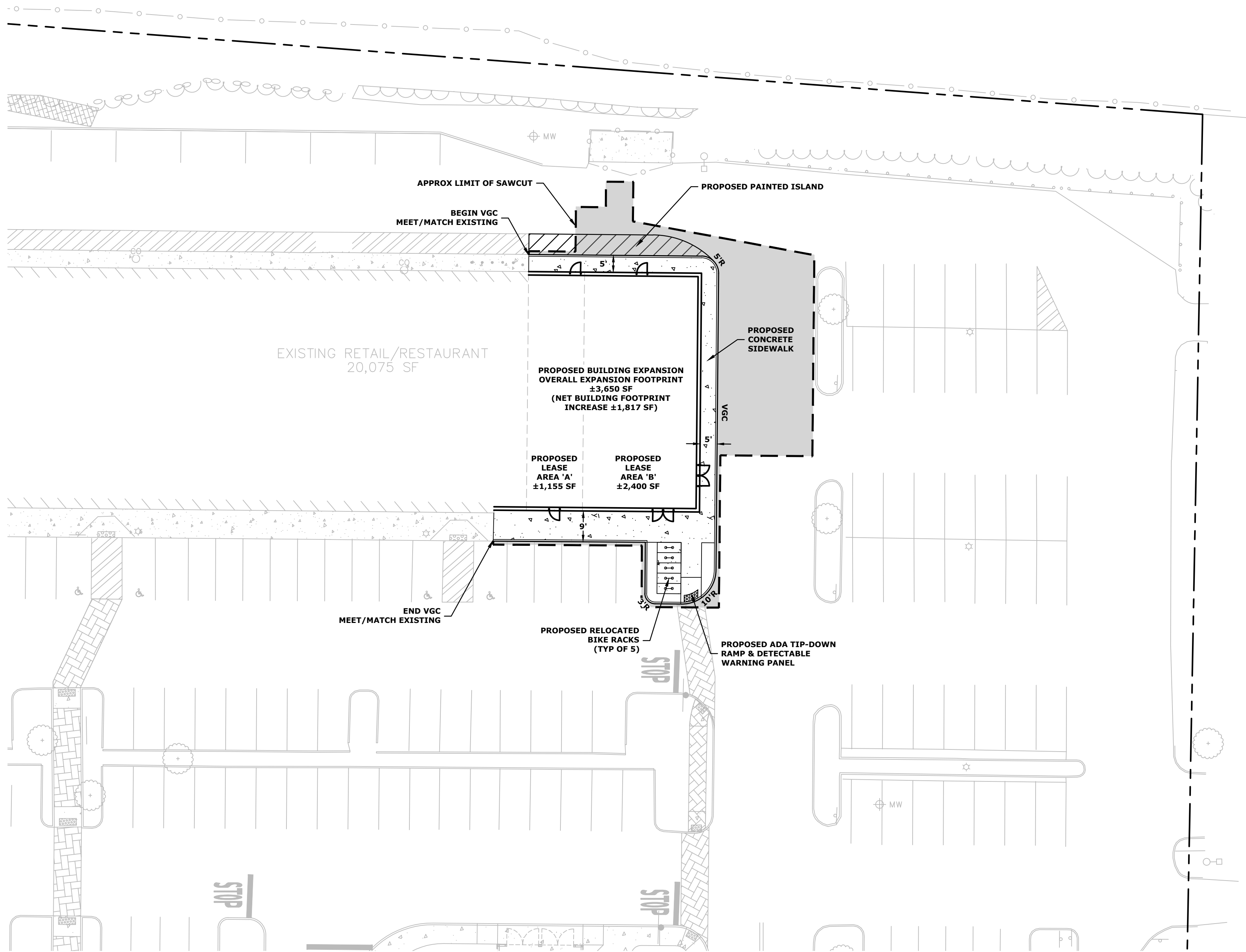
## OVERALL PROPOSED PLAZA PLAN

SCALE: AS SHOWN

C-102



Last Save Date: April 25, 2022 1:17 PM By: MAHANSEN  
Plot Date: Tuesday, April 26, 2022 Plotted By: Neil A. Hansen  
File Location: J:\WV5008 Waterstone Retail\008A - Portsmouth Green - Building 2 Expansion\Drawings - Figures\AutoCAD\Sheet\W5008-008A\_C-DSGN.dwg Layout Tab: Site



LEGEND

- PROPERTY LINE  
PROPOSED PROPERTY LINE  
PROPOSED EDGE OF PAVEMENT  
PROPOSED CURB  
PROPOSED BUILDING  
PROPOSED PAVEMENT SECTION  
PROPOSED CONCRETE SIDEWALK  
PROPOSED BRICK SIDEWALK  
PROPOSED BOLLARD  
BLDG  
TYP  
COORD  
30'R  
VGC  
SGC
- PROPOSED VERTICAL GRANITE CURB  
PROPOSED SLOPED GRANITE CURB

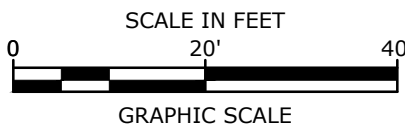
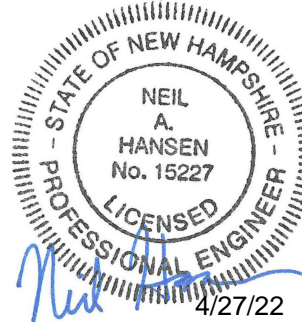
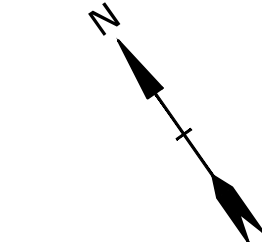
SITE NOTES:

- ALL TRAFFIC PAINT SHALL MEET THE REQUIREMENTS OF AASHTO M248 TYPE "F".
- ALL PAVEMENT MARKINGS AND SIGNS TO CONFORM TO "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS", AND THE AMERICANS WITH DISABILITIES ACT REQUIREMENTS, LATEST EDITIONS.
- PAINTED ISLANDS SHALL BE FOUR (4) INCH WIDE DIAGONAL LINES AT 3'-0" O.C. BORDERED BY FOUR (4) INCH WIDE LINES.
- THE CONTRACTOR SHALL EMPLOY A NEW HAMPSHIRE LICENSED LAND SURVEYOR TO DETERMINE ALL LINES AND GRADES.
- CLEAN AND COAT VERTICAL FACE OF EXISTING PAVEMENT AT SAW CUT LINE WITH RS-1 EMULSION IMMEDIATELY PRIOR TO PLACING NEW BITUMINOUS CONCRETE.
- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM WITH APPLICABLE FEDERAL, STATE, AND LOCAL CODES & SPECIFICATIONS.
- CONTRACTOR TO SUBMIT AS-BUILT PLANS IN DIGITAL FORMAT (.DWG AND .PDF FILES) ON DISK TO THE OWNER AND ENGINEER UPON COMPLETION OF THE PROJECT. AS-BUILT'S SHALL BE PREPARED AND CERTIFIED BY A NEW HAMPSHIRE LICENSED LAND SURVEYOR.
- SEE ARCHITECTURAL/BUILDING DRAWINGS FOR ALL CONCRETE PADS & SIDEWALKS ADJACENT TO BUILDING.
- ALL WORK SHALL CONFORM TO THE CITY OF PORTSMOUTH DEPARTMENT OF PUBLIC WORKS, STANDARD SPECIFICATIONS AND WITH THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION, "STANDARD SPECIFICATIONS OF ROAD AND BRIDGE CONSTRUCTION", CURRENT EDITION.
- CONTRACTOR TO PROVIDE BACKFILL AND COMPACTION AT CURB LINE AFTER CONCRETE FORMS FOR SIDEWALKS AND PADS HAVE BEEN STRIPPED. COORDINATE WITH BUILDING CONTRACTOR.
- COORDINATE ALL WORK ADJACENT TO BUILDING WITH BUILDING CONTRACTOR.
- ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
- ALL CONDITIONS ON THIS PLAN SHALL REMAIN IN EFFECT IN PERPETUITY PURSUANT TO THE REQUIREMENTS OF THE SITE PLAN REVIEW REGULATIONS.
- THE APPLICANT SHALL HAVE A SITE SURVEY CONDUCTED BY A RADIO COMMUNICATIONS CARRIER APPROVED BY THE CITY'S COMMUNICATIONS DIVISION. THE RADIO COMMUNICATIONS CARRIER MUST BE FAMILIAR AND CONVERSANT WITH THE POLICE AND RADIO CONFIGURATION. IF THE SITE SURVEY INDICATES IT IS NECESSARY TO INSTALL A SIGNAL REPEATER EITHER ON OR NEAR THE PROPOSED PROJECT, THOSE COSTS SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER. THE OWNER SHALL COORDINATE WITH THE SUPERVISOR OF RADIO COMMUNICATIONS FOR THE CITY.
- PROPERTY MANAGEMENT SHALL BE RESPONSIBLE FOR TIMELY SNOW REMOVAL FROM ALL PRIVATE SIDEWALKS, DRIVEWAYS, AND PARKING AREAS. SNOW SHALL BE HAULED OFF-SITE AND LEGALLY DISPOSED OF WHEN NECESSARY TO MAINTAIN ADEQUATE SNOW STORAGE AREAS.
- THE APPLICANT SHALL PREPARE A CONSTRUCTION MANAGEMENT AND MITIGATION PLAN (CMMP) FOR REVIEW AND APPROVAL BY THE CITY'S LEGAL AND PLANNING DEPARTMENTS.

SITE RECORDING NOTES:

- THIS SITE PLAN SHALL BE RECORDED IN THE ROCKINGHAM COUNTY REGISTRY OF DEEDS.
- ALL IMPROVEMENTS SHOWN ON THIS SITE PLAN SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE PLAN BY THE PROPERTY OWNER AND ALL FUTURE PROPERTY OWNERS. NO CHANGES SHALL BE MADE TO THIS SITE PLAN WITHOUT THE EXPRESS APPROVAL OF THE PORTSMOUTH PLANNING DIRECTOR.
- THIS IS NOT A BOUNDARY SURVEY AND SHALL NOT BE USED AS SUCH.

Tighe&Bond



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Portsmouth, New Hampshire

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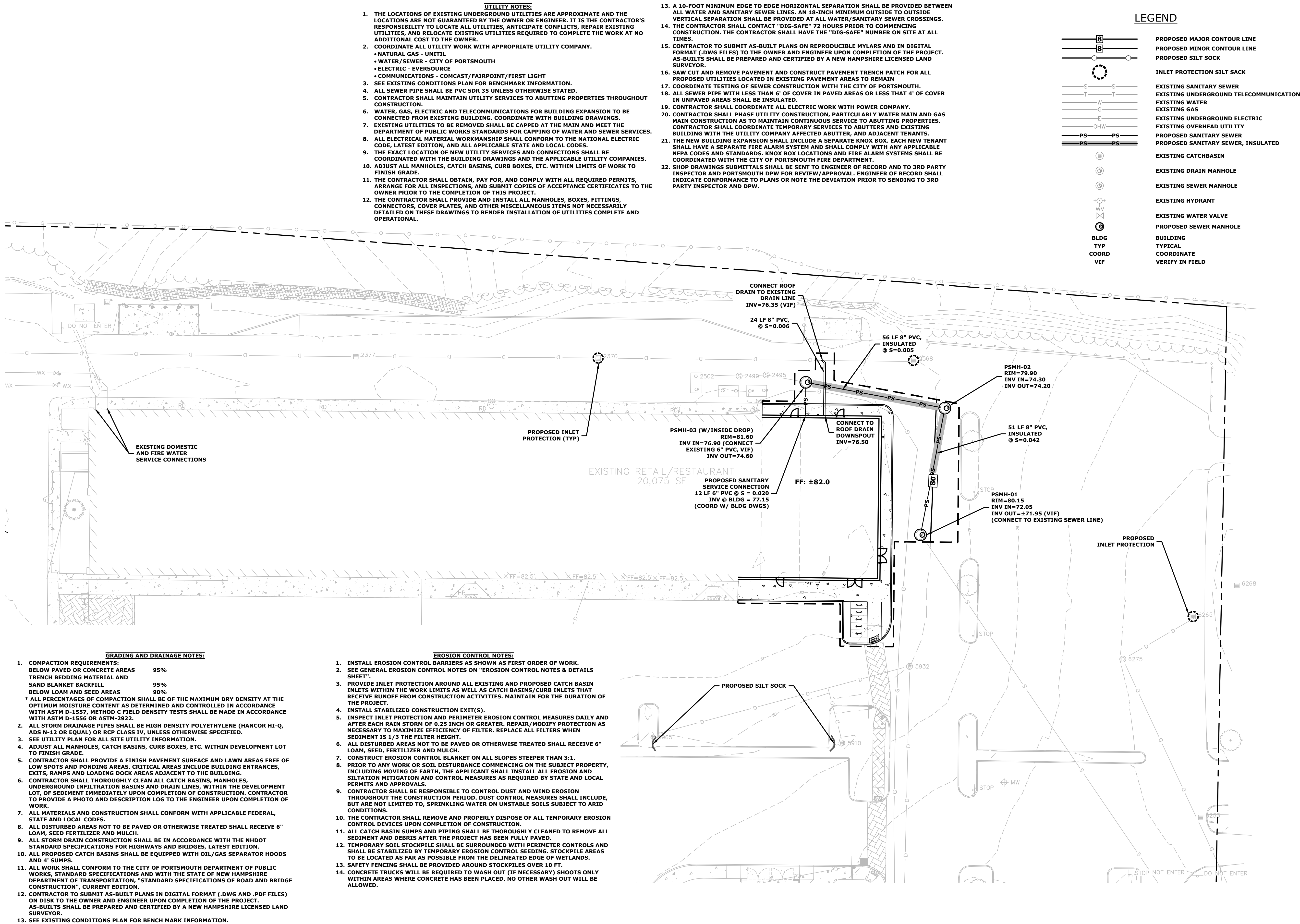
SITE PLAN

SCALE: AS SHOWN

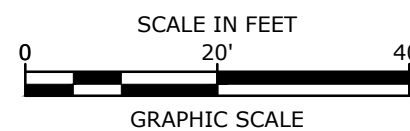
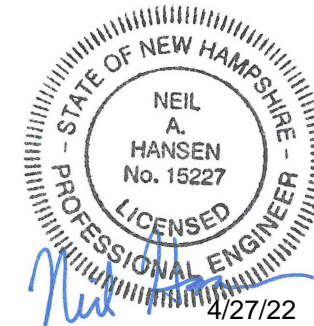
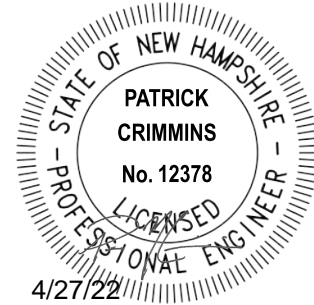
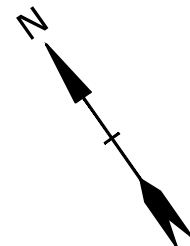
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Last Save Date: April 25, 2022 1:17 PM By: MAHANSEN  
Plot Date: Tuesday, April 26, 2022 Plotted By: Neil A. Hansen  
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**Tighe&Bond**



## Proposed Building Expansion

Waterstone Properties Group, Inc.

Portsmouth, New Hampshire

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GRADING, DRAINAGE,  
EROSION CONTROL &  
UTILITIES PLAN

SCALE: AS SHOWN

C-103



Last Save Date: March 23, 2022 8:21 AM By: CNL  
Plot Date: Tuesday, April 26, 2022 Plotted By: Neil A. Hansen  
File Location: J:\WP5008 Waterstone Retail\008A - Portsmouth Green - Building 2 Expansion\Drawings - Figures\AutoCAD\Sheet\WP5008-008A - C-DTLS.dwg Layout Tab: C-501

<b>GENERAL PROJECT INFORMATION</b>		
PROJECT OWNER:	2422 LAFAYETTE ROAD ASSOCIATES, LLC C/O WATERSTONE RETAIL DEVELOPMENT 250 FIRST AVENUE, SUITE 202 NEEDHAM, MASSACHUSETTS 02494	
PROJECT NAME:	PORTSMOUTH GREEN - PROPOSED BUILDING EXPANSION	
PROJECT ADDRESS:	2454 LAFAYETTE ROAD PORTSMOUTH, NH 03801	
PROJECT MAP / LOT:	MAP 273 / LOT 3	
PROJECT LATITUDE:	43.036120 N	
PROJECT LONGITUDE:	-70.784829 W	
<b>PROJECT DESCRIPTION</b>		
THE PROJECT CONSISTS OF DEMOLITION OF A PORTION OF AN EXISTING BUILDING AND THE CONSTRUCTION OF A PROPOSED BUILDING EXPANSION.		
<b>DISTURBED AREA</b>		
THE TOTAL AREA TO BE DISTURBED IS APPROXIMATELY 0.3 ACRES.		
<b>SOIL CHARACTERISTICS</b>		
BASED ON THE NRCS WEB SOIL SURVEY FOR ROCKINGHAM COUNTY - NEW HAMPSHIRE THE SOILS ON SITE CONSIST OF MOSTLY URBAN SOILS WHICH HAVE UNKNOWN DRAINAGE PROPERTIES.		
<b>NAME OF RECEIVING WATERS</b>		
THE STORMWATER RUNOFF WILL BE COLLECTED IN A CLOSED DRAINAGE SYSTEM WHICH ULTIMATELY DISCHARGES TO THE LITTLE HARBOR.		
<b>CONSTRUCTION SEQUENCE OF MAJOR ACTIVITIES:</b>		
1. CONSTRUCT TEMPORARY AND PERMANENT SEDIMENT, EROSION AND DETENTION CONTROL FACILITIES. EROSION, SEDIMENT AND DETENTION MEASURES SHALL BE INSTALLED PRIOR TO ANY EARTH MOVING OPERATIONS THAT WILL INFLUENCE STORMWATER RUNOFF SUCH AS: <ul style="list-style-type: none"><li>• NEW CONSTRUCTION</li><li>• CONTROL OF DUST</li><li>• NEARNESS OF CONSTRUCTION SITE TO RECEIVING WATERS</li><li>• CONSTRUCTION DURING LATE WINTER AND EARLY SPRING</li></ul>		
2. ALL PERMANENT DITCHES, SWALES, DETENTION, RETENTION AND SEDIMENTATION BASINS TO BE STABILIZED USING THE VEGETATIVE AND NON-STRUCTURAL BMPs PRIOR TO DIRECTING RUNOFF TO THEM.		
3. CLEAR AND DISPOSE OF DEBRIS.		
4. CONSTRUCT TEMPORARY CULVERTS AND DIVERSION CHANNELS AS REQUIRED.		
5. GRADE AND GRAVEL ROADWAYS AND PARKING AREAS - ALL ROADS AND PARKING AREA SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.		
6. BEGIN PERMANENT AND TEMPORARY SEEDING AND MULCHING. ALL CUT AND FILL SLOPES SHALL BE SEEDED AND MULCHED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.DAILY, OR AS REQUIRED, CONSTRUCT TEMPORARY BERMS, DRAINS, DITCHES, PERIMETER EROSION CONTROL MEASURES, SEDIMENT TRAPS, ETC., MULCH AND SEED AS REQUIRED.		
7. FINISH PAVING ALL ROADWAYS AND PARKING LOTS.		
8. INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES.		
9. COMPLETE PERMANENT SEEDING AND LANDSCAPING.		
10. REMOVE TRAPPED SEDIMENTS FROM COLLECTOR DEVICES AS APPROPRIATE AND THEN REMOVE TEMPORARY EROSION CONTROL MEASURES.		
<b>SPECIAL CONSTRUCTION NOTES:</b>		
1. THE CONSTRUCTION SEQUENCE MUST LIMIT THE DURATION AND AREA OF DISTURBANCE.		
2. THE PROJECT IS TO BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES.		
3. LIMIT THE LENGTH OF EXPOSURE OF UNSTABILIZED SOIL TO 45 DAYS OR LESS.		
<b>EROSION CONTROL NOTES:</b>		
1. ALL EROSION CONTROL MEASURES AND PRACTICES SHALL CONFORM TO THE "NEW HAMPSHIRE STORMWATER MANUAL VOLUME 3: EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION" PREPARED BY THE NHDES.		
2. PRIOR TO ANY WORK OR SOIL DISTURBANCE, CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR EROSION CONTROL MEASURES AS REQUIRED IN THE PROJECT MANUAL.		
3. CONTRACTOR SHALL INSTALL TEMPORARY EROSION CONTROL BARRIERS, INCLUDING HAY BALE, SILT FENCES, MULCH BERMS, INLET PROTECTION AND SILT SOCKS AS SHOWN IN THESE DRAWINGS AS THE FIRST ORDER OF WORK.		
4. INLET PROTECTION SHALL BE INSTALLED IN ALL EXISTING AND PROPOSED CATCH BASIN INLETS WITHIN THE WORK LIMITS AND BE MAINTAINED FOR THE DURATION OF THE PROJECT.		
5. PERIMETER CONTROLS INCLUDING SILT FENCES, MULCH BERM, SILT SOCK, AND/OR HAY BALE BARRIERS SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT UNTIL NON-PAVED AREAS HAVE BEEN STABILIZED.		
6. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL TEMPORARY EROSION CONTROL DEVICES UPON COMPLETION OF CONSTRUCTION.		
7. ALL DISTURBED AREAS NOT OTHERWISE BEING TREATED SHALL RECEIVE 6" LOAM, SEED AND FERTILIZER.		
8. INSPECT ALL INLET PROTECTION AND PERIMETER CONTROLS WEEKLY AND AFTER EACH RAIN STORM OF 0.25 INCH OR GREATER. REPAIR/MODIFY PROTECTION AS NECESSARY TO MAXIMIZE EFFICIENCY OF FILTER. REPLACE ALL FILTERS WHEN SEDIMENT IS 1/3 THE FILTER HEIGHT.		
9. CONSTRUCT EROSION CONTROL BLANKETS ON ALL SLOPES STEEPER THAN 3:1.		
<b>STABILIZATION:</b>		
1. AN AREA SHALL BE CONSIDERED STABLE WHEN ONE OF THE FOLLOWING HAS OCCURRED: <ul style="list-style-type: none"><li>A. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;</li><li>B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;</li><li>C. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED;</li><li>D. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.</li></ul>		
2. WINTER STABILIZATION PRACTICES: <ul style="list-style-type: none"><li>A. ALL PROPOSED VEGETATED AREAS THAT DO NOT EXHIBIT A MINIMUM OF 85 PERCENT VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS;</li><li>B. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85 PERCENT VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS;</li><li>C. AFTER OCTOBER 15, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL PER NHDOT ITEM 304.3, OR IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON BE CLEARED OF ANY ACCUMULATED SNOW AFTER EACH STORM EVENT;</li></ul>		
3. STABILIZATION SHALL BE INITIATED ON ALL LOAM STOCKPILES, AND DISTURBED AREAS, WHERE CONSTRUCTION ACTIVITY SHALL NOT OCCUR FOR MORE THAN TWENTY-ONE (21) CALENDAR DAYS BY THE FOURTEENTH (14TH) DAY AFTER CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORARILY CEASED IN THAT AREA. STABILIZATION MEASURES TO BE USED INCLUDE: <ul style="list-style-type: none"><li>A. TEMPORARY SEEDING;</li><li>B. MULCHING.</li></ul>		
4. WHEN CONSTRUCTION ACTIVITY PERMANENTLY OR TEMPORARILY CEASES WITHIN 100 FEET OF NEARBY SURFACE WATERS OR DELINEATED WETLANDS, THE AREA SHALL BE STABILIZED WITHIN SEVEN (7) DAYS OR PRIOR TO A RAIN EVENT. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN THESE AREAS, SILT FENCES, MULCH BERMS, HAY BALE BARRIERS AND ANY EARTH/DIKES SHALL BE REMOVED ONCE PERMANENT MEASURES ARE ESTABLISHED.		
5. DURING CONSTRUCTION, RUNOFF WILL BE DIVERTED AROUND THE SITE WITH EARTH DIKES, PIPING OR STABILIZED CHANNELS WHERE POSSIBLE. SHEET RUNOFF FROM THE SITE WILL BE FILTERED THROUGH SILT FENCES, MULCH BERMS, HAY BALE BARRIERS, OR SILT SOCKS. ALL STORM DRAIN BASIN INLETS SHALL BE PROVIDED WITH FLARED END SECTIONS AND TRASH RACKS. THE SITE SHALL BE STABILIZED FOR THE WINTER BY NOVEMBER 15.		

DUST CONTROL:

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST THROUGHOUT THE CONSTRUCTION PERIOD.

2. DUST CONTROL METHODS SHALL INCLUDE, BUT BE NOT LIMITED TO SPRINKLING WATER ON EXPOSED AREAS, COVERING LOADED DUMP TRUCKS LEAVING THE SITE, AND TEMPORARY MULCHING.

3. DUST CONTROL MEASURES SHALL BE UTILIZED SO AS TO PREVENT THE MIGRATION OF DUST FROM THE SITE TO ABUTTING AREAS.

STOCKPILES:

1. LOCATE STOCKPILES A MINIMUM OF 50 FEET AWAY FROM CATCH BASINS, SWALES, AND CULVERTS.

2. ALL STOCKPILES SHOULD BE SURROUNDED WITH TEMPORARY EROSION CONTROL MEASURES PRIOR TO THE ONSET OF PRECIPITATION.

3. PERIMETER BARRIERS SHOULD BE MAINTAINED AT ALL TIMES, AND ADJUSTED AS NEEDED TO ACCOMMODATE THE DELIVERY AND REMOVAL OF MATERIALS FROM THE STOCKPILE. THE INTEGRITY OF THE BARRIER SHOULD BE INSPECTED AT THE END OF EACH WORKING DAY.

4. PROTECT ALL STOCKPILES FROM STORMWATER RUN-OFF USING TEMPORARY EROSION CONTROL MEASURES SUCH AS BERMS, SILT SOCK, OR OTHER APPROVED PRACTICE TO PREVENT MIGRATION OF MATERIAL BEYOND THE IMMEDIATE CONFINES OF THE STOCKPILES.

OFF SITE VEHICLE TRACKING:

1. THE CONTRACTOR SHALL CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE(S) PRIOR TO ANY EXCAVATION ACTIVITIES.

VEGETATION:

1. TEMPORARY GRASS COVER:

A. SEEDBED PREPARATION:

a. APPLY FERTILIZER AT THE RATE OF 600 POUNDS PER ACRE OF 10-10-10. APPLY LIMESTONE (EQUIVALENT TO 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF THREE (3) TONS PER ACRE;

B. SEEDING:

a. UTILIZE ANNUAL RYE GRASS AT A RATE OF 40 LBS/ACRE;

b. WHERE THE SOIL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS, LOOSEN SOIL TO A DEPTH OF TWO (2) INCHES BEFORE APPLYING FERTILIZER, LIME AND SEED;

c. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, OR HYDROSEEDER (SLURRY INCLUDING SEED AND FERTILIZER). HYDROSEEDINGS, WHICH INCLUDE MULCH, MAY BE LEFT ON SOIL SURFACE. SEEDING RATES MUST BE INCREASED 10% WHEN HYDROSEEDING;

C. MAINTENANCE:

a. TEMPORARY SEEDING SHALL BE PERIODICALLY INSPECTED. AT A MINIMUM, 95% OF THE SOIL SURFACE SHOULD BE COVERED BY VEGETATION. IF ANY EVIDENCE OF EROSION OR SEDIMENTATION IS APPARENT, REPAIRS SHALL BE MADE AND OTHER TEMPORARY MEASURES USED IN THE INTERIM (MULCH, FILTER BARRIERS, CHECK DAMS, ETC.).

2. VEGETATIVE PRACTICE:

A. FOR PERMANENT MEASURES AND PLANTINGS:

a. LIMESTONE SHALL BE THOROUGHLY INCORPORATED INTO THE LOAM LAYER AT A RATE OF THREE (3) TONS PER ACRE IN ORDER TO PROVIDE A PH VALUE OF 5.5 TO 6.5;

b. FERTILIZER SHALL BE SPREAD ON THE TOP LAYER OF LOAM AND WORKED INTO THE SURFACE. FERTILIZER APPLICATION RATE SHALL BE 800 POUNDS PER ACRE OF 10-20-20 FERTILIZER;

c. SOIL CONDITIONERS AND FERTILIZER SHALL BE APPLIED AT THE RECOMMENDED RATES AND SHALL BE THOROUGHLY WORKED INTO THE LOAM. LOAM SHALL BE RAKED UNTIL THE SURFACE IS FINELY PULVERIZED, SMOOTH AND EVEN, AND THEN COMPACTED TO AN EVEN SURFACE CONFORMING TO THE REQUIRED LINES AND GRADES WITH APPROVED ROLLERS WEIGHING BETWEEN 4-1/2 POUNDS AND 5-1/2 POUNDS PER INCH OF WIDTH;

d. SEED SHALL BE SOWN AT THE RATE SHOWN BELOW. SOWING SHALL BE DONE ON A CALM, DRY DAY, PREFERABLY BY MACHINE, BUT IF BY HAND, ONLY BY EXPERIENCED WORKMEN. IMMEDIATELY BEFORE SEEDING, THE SOIL SHALL BE LIGHTLY RAKED. ONE HALF THE SEED SHALL BE SOWN IN ONE DIRECTION AND THE OTHER HALF AT RIGHT ANGLES TO THE ORIGINAL DIRECTION. IT SHALL BE LIGHTLY RAKED INTO THE SOIL TO A DEPTH NOT OVER 1/4 INCH AND ROLLED WITH A HAND ROLLER WEIGHING NOT OVER 100 POUNDS PER LINEAR FOOT OF WIDTH;

e. HAY MULCH SHALL BE APPLIED IMMEDIATELY AFTER SEEDING AS INDICATED ABOVE;

f. THE SURFACE SHALL BE WATERED AND KEPT MOIST WITH A FINE SPRAY AS REQUIRED, WITHOUT WASHING AWAY THE SOIL, UNTIL THE GRASS IS WELL ESTABLISHED. ANY AREAS WHICH ARE NOT SATISFACTORILY COVERED WITH GRASS SHALL BE RESEEDED, AND ALL NOXIOUS WEEDS REMOVED;

g. THE CONTRACTOR SHALL PROTECT AND MAINTAIN THE SEEDED AREAS UNTIL ACCEPTED;

h. A GRASS SEED MIXTURE CONTAINING THE FOLLOWING SEED REQUIREMENTS SHALL BE APPLIED AT THE INDICATED RATE:

SEED MIX	APPLICATION RATE
CREeping RED FESCUE	20 LBS/ACRE
TALL FESCUE	20 LBS/ACRE
REDTOP	2 LBS/ACRE

IN NO CASE SHALL THE WEED CONTENT EXCEED ONE (1) PERCENT BY WEIGHT. ALL SEED SHALL COMPLY WITH STATE AND FEDERAL SEED LAWS. SEEDING SHALL BE DONE NO LATER THAN SEPTEMBER 15. IN NO CASE SHALL SEEDING TAKE PLACE OVER SNOW.

3. DORMANT SEEDING (SEPTEMBER 15 TO FIRST SNOWFALL):

A. FOLLOW PERMANENT MEASURES SLOPE, LIME, FERTILIZER AND GRADING REQUIREMENTS. APPLY SEED MIXTURE AT TWICE THE INDICATED RATE. APPLY MULCH AS INDICATED FOR PERMANENT MEASURES.

CONCRETE WASHOUT AREA:

1. THE FOLLOWING ARE THE ONLY NON-STORMWATER DISCHARGES ALLOWED. ALL OTHER NON-STORMWATER DISCHARGES ARE PROHIBITED ON SITE:

A. THE CONCRETE DELIVERY TRUCKS SHALL, WHENEVER POSSIBLE, USE WASHOUT FACILITIES AT THEIR OWN PLANT OR DISPATCH FACILITY;

B. IF IT IS NECESSARY, SITE CONTRACTOR SHALL DESIGNATE SPECIFIC WASHOUT AREAS AND DESIGN FACILITIES TO HANDLE ANTICIPATED WASHOUT WATER;

C. CONTRACTOR SHALL LOCATE WASHOUT AREAS AT LEAST 150 FEET AWAY FROM STORM DRAINS, SWALES AND SURFACE WATERS OR DELINEATED WETLANDS;

D. INSPECT WASHOUT FACILITIES DAILY TO DETECT LEAKS OR TEARS AND TO IDENTIFY WHEN MATERIALS NEED TO BE REMOVED.

ALLOWABLE NON-STORMWATER DISCHARGES:

1. FIRE-FIGHTING ACTIVITIES;

2. FIRE HYDRANT FLUSHING;

3. WATERS USED TO WASH VEHICLES WHERE DETERGENTS ARE NOT USED;

4. WATER USED TO CONTROL DUST;

5. POTABLE WATER INCLUDING UNCONTAMINATED WATER LINE FLUSHING;

6. ROUTINE EXTERNAL BUILDING WASH DOWN WHERE DETERGENTS ARE NOT USED;

7. PAVEMENT WASH WATERS WHERE DETERGENTS ARE NOT USED;

8. UNCONTAMINATED AIR CONDITIONING/COMPRESSOR CONDENSATION;

9. UNCONTAMINATED GROUND WATER OR SPRING WATER;

10. FOUNDATION OR FOOTING DRAINS WHICH ARE UNCONTAMINATED;

11. UNCONTAMINATED EXCAVATION DEWATERING;

12. LANDSCAPE IRRIGATION.

WASTE DISPOSAL:

1. WASTE MATERIAL:

A. ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN SECURELY LIDDED RECEPTACLES. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN A DUMPSTER;

B. NO CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ON SITE;

C. ALL PERSONNEL SHALL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL BY THE SUPERINTENDENT.

2. HAZARDOUS WASTE:

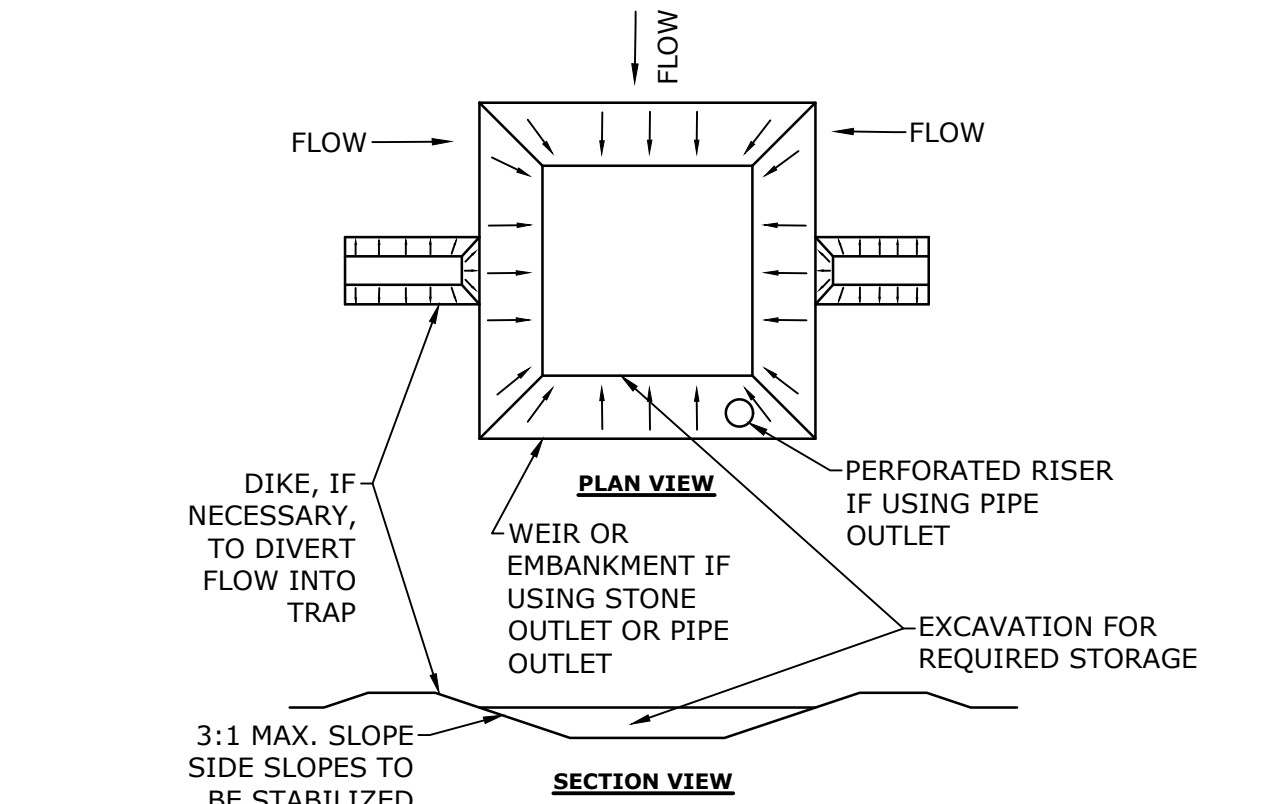
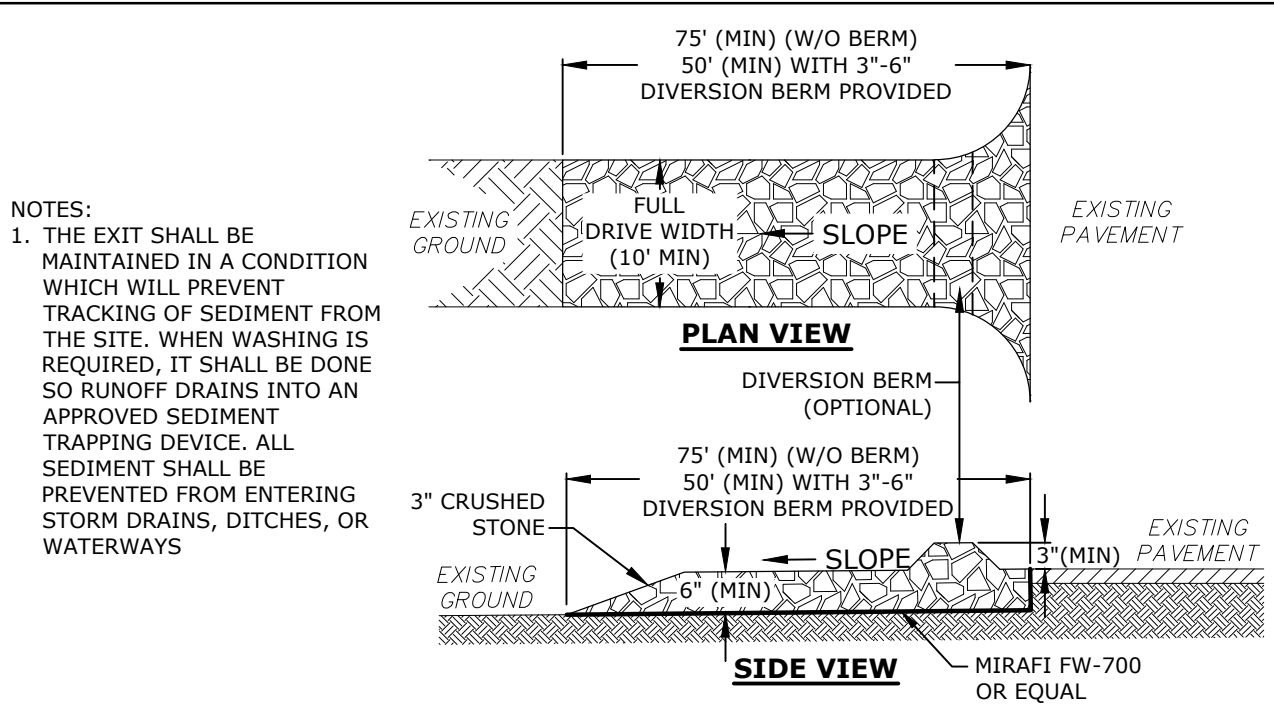
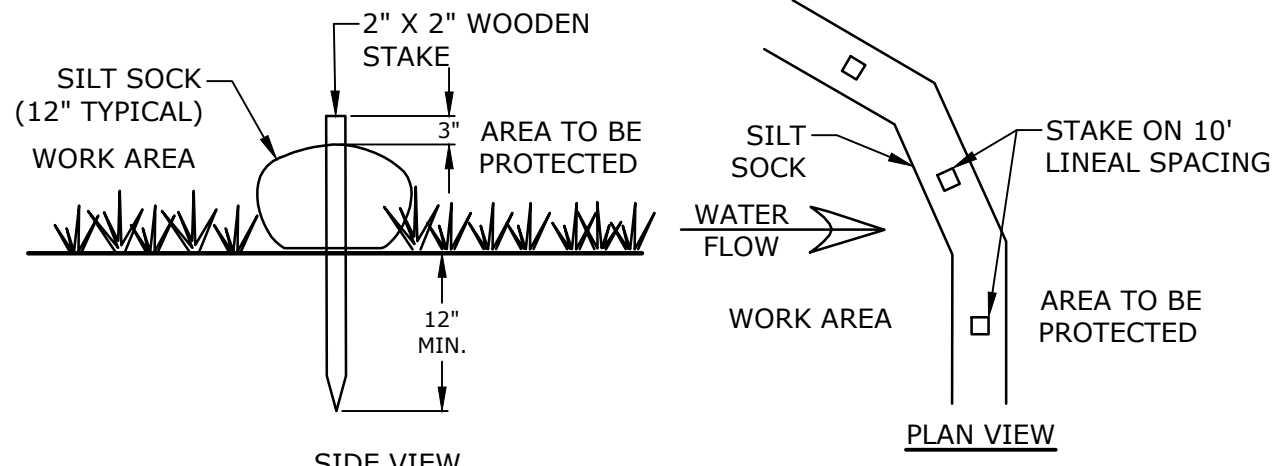
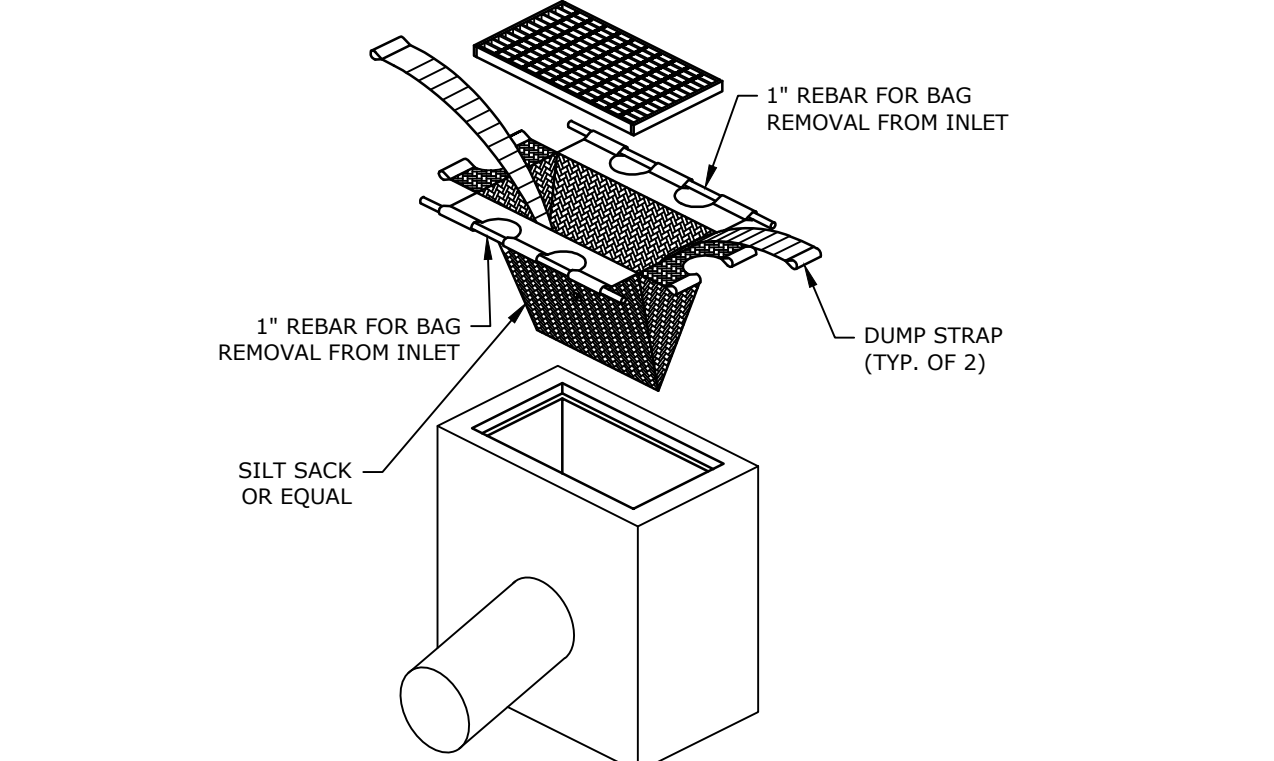
A. ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER;


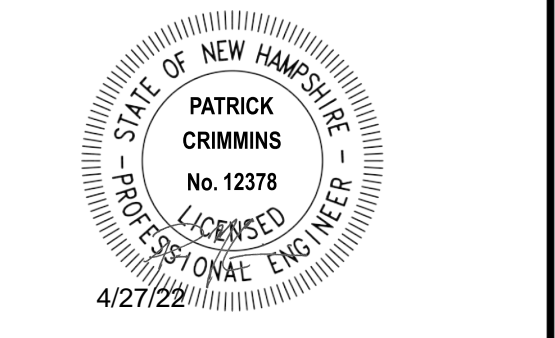
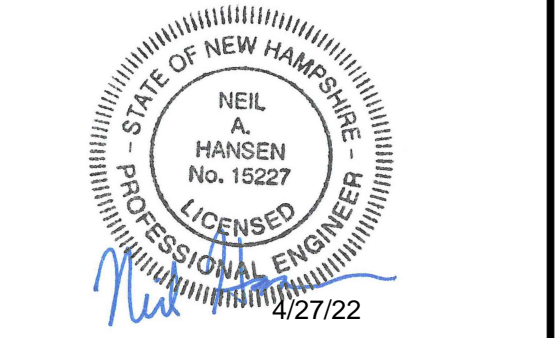
B. SITE PERSONNEL SHALL BE INSTRUCTED IN THESE PRACTICES BY THE SUPERINTENDENT.

3. SANITARY WASTE:

A. ALL SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONCE PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR.

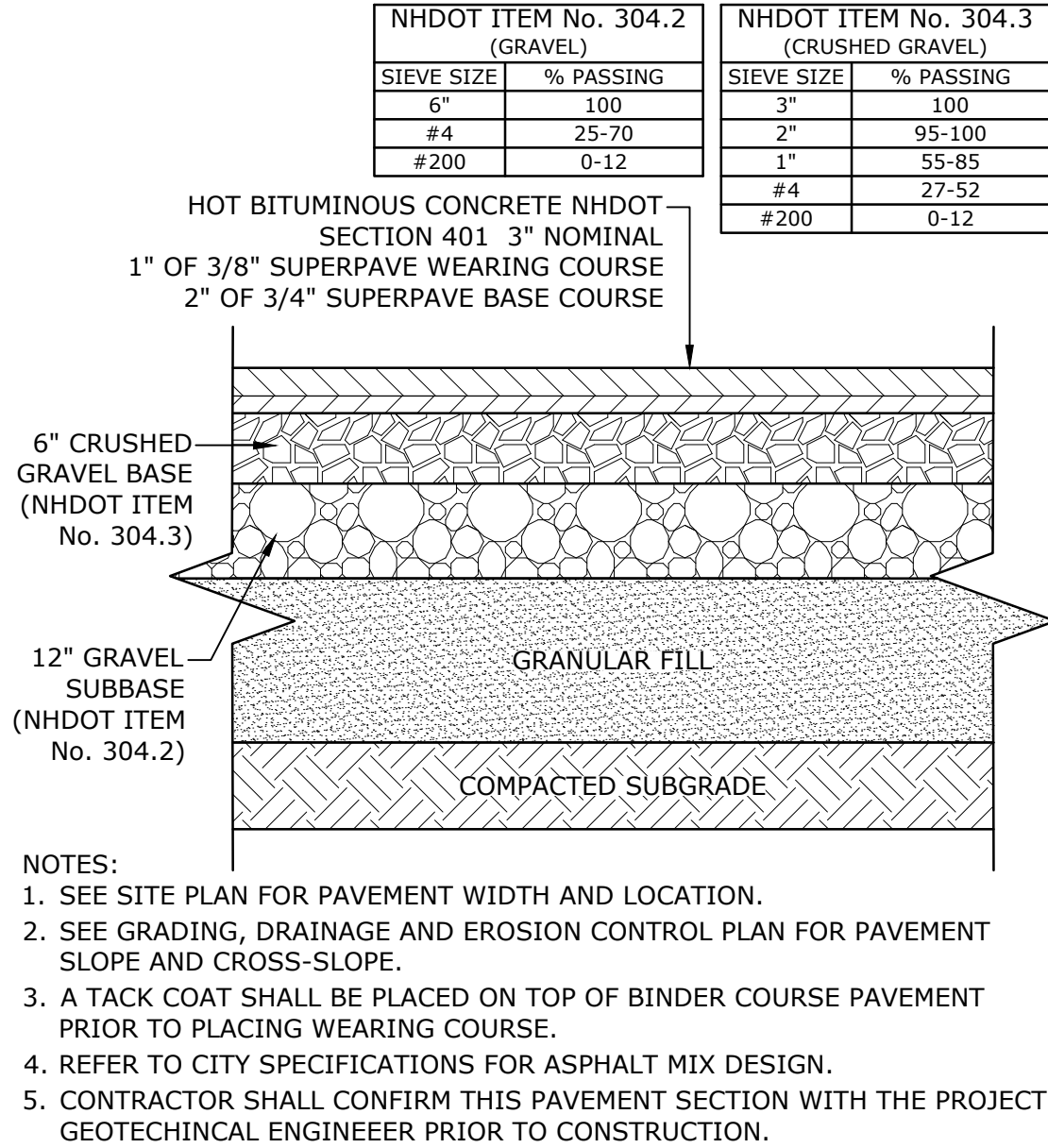
<b>SPILL PREVENTION:</b>		
1. CONTRACTOR SHALL BE FAMILIAR WITH SPILL PREVENTION MEASURES REQUIRED BY LOCAL, STATE AND FEDERAL AGENCIES. AT A MINIMUM, CONTRACTOR SHALL FOLLOW THE BEST MANAGEMENT SPILL PREVENTION PRACTICES OUTLINED BELOW.		
2. THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT SHALL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES DURING CONSTRUCTION TO STORMWATER RUNOFF: <ul style="list-style-type: none"><li>A. GOOD HOUSEKEEPING - THE FOLLOWING GOOD HOUSEKEEPING PRACTICE SHALL BE FOLLOWED ON SITE DURING CONSTRUCTION:<ul style="list-style-type: none"><li>a. ONLY SUFFICIENT AMOUNTS OF PRODUCTS TO DO THE JOB SHALL BE STORED ON SITE;</li><li>b. ALL MATERIALS STORED ON SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR PROPER (ORIGINAL IF POSSIBLE) CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE;</li><li>c. MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED;</li><li>d. THE SITE SUPERINTENDENT SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS;</li><li>e. SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER;</li><li>f. WHENEVER POSSIBLE ALL OF A PRODUCT SHALL BE USED UP BEFORE DISPOSING OF THE CONTAINER.</li></ul></li><li>B. HAZARDOUS PRODUCTS - THE FOLLOWING PRACTICES SHALL BE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS:<ul style="list-style-type: none"><li>g. PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE;</li><li>h. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHALL BE RETAINED FOR IMPORTANT PRODUCT INFORMATION;</li><li>i. SURPLUS PRODUCT THAT MUST BE DISPOSED OF SHALL BE DISCARDED ACCORDING TO THE MANUFACTURER'S RECOMMENDED METHODS OF DISPOSAL.</li></ul></li><li>C. PRODUCT SPECIFIC PRACTICES - THE FOLLOWING PRODUCT SPECIFIC PRACTICES SHALL BE FOLLOWED ON SITE:<ul style="list-style-type: none"><li>a. PETROLEUM PRODUCTS:<ul style="list-style-type: none"><li>a.1. ALL ON SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE LEAKAGE;</li><li>a.2. PETROLEUM PRODUCTS SHALL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT BASED SUBSTANCES USED ON SITE SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.</li></ul></li><li>b. FERTILIZERS:<ul style="list-style-type: none"><li>b.1. FERTILIZERS USED SHALL BE APPLIED ONLY IN THE MINIMUM AMOUNTS DIRECTED BY THE SPECIFICATIONS;</li><li>b.2. ONCE APPLIED FERTILIZER SHALL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER;</li><li>b.3. STORAGE SHALL BE IN A COVERED SHED OR ENCLOSED TRAILERS. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.</li></ul></li><li>c. PAINTS:<ul style="list-style-type: none"><li>c.1. ALL CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE;</li><li>c.2. EXCESS PAINT SHALL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM;</li><li>c.3. EXCESS PAINT SHALL BE DISPOSED OF PROPERLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.</li></ul></li></ul></li><li>D. SPILL CONTROL PRACTICES - IN ADDITION TO GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTION, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:<ul style="list-style-type: none"><li>a. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED AND SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES;</li><li>b. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE KEPT IN THE MATERIAL STORAGE AREA ON SITE. EQUIPMENT AND MATERIALS SHALL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST AND PLASTIC OR METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE;</li><li>c. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY;</li><li>d. THE SPILL AREA SHALL BE KEPT WELL VENTILATED AND PERSONNEL SHALL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE;</li><li>e. SPILLS OF TOXIC OR HAZARDOUS MATERIAL SHALL BE REPORTED TO THE APPROPRIATE LOCAL, STATE OR FEDERAL AGENCIES AS REQUIRED;</li><li>f. THE SITE SUPERINTENDENT RESPONSIBLE FOR DAY-TO-DAY SITE OPERATIONS SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR.</li></ul></li><li>E. VEHICLE FUELING AND MAINTENANCE PRACTICE:<ul style="list-style-type: none"><li>a. CONTRACTOR SHALL MAKE AN EFFORT TO PERFORM EQUIPMENT/VEHICAL FUELING AND MAINTENANCE AT AN OFF-SITE FACILITY;</li><li>b. CONTRACTOR SHALL PROVIDE AN ON-SITE FUELING AND MAINTENANCE AREA THAT IS CLEAN AND DRY;</li><li>c. IF POSSIBLE THE CONTRACTOR SHALL KEEP AREA COVERED;</li><li>d. CONTRACTOR SHALL KEEP A SPILL KIT AT THE FUELING AND MAINTENANCE AREA;</li><li>e. CONTRACTOR SHALL REGULARLY INSPECT VEHICLES FOR LEAKS AND DAMAGE;</li><li>f. CONTRACTOR SHALL USE DRIP PANS, DRIP CLOTHS, OR ABSORBENT PADS WHEN REPLACING SPENT FLUID.</li></ul></li></ul>		
<b>EROSION CONTROL OBSERVATIONS AND MAINTENANCE PRACTICES</b>		
1. THE FOLLOWING REPRESENTS THE GENERAL OBSERVATION AND REPORTING PRACTICES THAT SHALL BE FOLLOWED AS PART OF THIS PROJECT: <ul style="list-style-type: none"><li>A. OBSERVATIONS OF THE PROJECT SHALL BE MADE BY THE CONTRACTOR AT LEAST ONCE A WEEK OR WITHIN 24 HOURS OF A STORM 0.25 INCHES OR GREATER;</li><li>B. A REPRESENTATIVE OF THE SITE CONTRACTOR, SHALL BE RESPONSIBLE FOR MAINTENANCE AND REPAIR ACTIVITIES;</li><li>C. IF A REPAIR IS NECESSARY, IT SHALL BE INITIATED WITHIN 24 HOURS OF INSPECTION.</li></ul>		

		
<b>NOTES:</b> <ul style="list-style-type: none"><li>1. THE TRAP SHALL BE INSTALLED AS CLOSE TO THE DISTURBED AREA AS POSSIBLE.</li><li>2. THE MAXIMUM CONTRIBUTING AREA TO A SINGLE TRAP SHALL BE LESS THAN 5 ACRES.</li><li>3. THE MINIMUM VOLUME OF THE TRAP SHALL BE 3,600 CUBIC FEET OF STORAGE FOR EACH ACRE OF DRAINAGE AREA.</li><li>4. TRAP OUTLET SHALL BE MINIMUM OF ONE FOOT BELOW THE CREST OF THE TRAP.</li><li>5. TRAP SHALL DISCHARGE TO A STABILIZED AREA.</li><li>6. TRAP SHALL BE CLEANED WHEN 50 PERCENT OF THE ORIGINAL VOLUME IS FILLED.</li><li>7. MATERIALS REMOVED FROM THE TRAP SHALL BE PROPERLY DISPOSED OF AND STABILIZED.</li><li>8. SEDIMENT TRAPS MUST BE USED AS NEEDED TO CONTAIN RUNOFF UNTIL SOILS ARE STABILIZED.</li></ul>		
		
<b>NOTES:</b> <ul style="list-style-type: none"><li>1. THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF SEDIMENT FROM THE SITE. WHEN WASHING IS REQUIRED, IT SHALL BE DONE SO RUNOFF DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING STORM DRAINS, DITCHES, OR WATERWAYS</li></ul>		
		
<b>NOTES:</b> <ul style="list-style-type: none"><li>1. SILT SOCK SHALL BE SILT SOCK BY FILTREXX OR APPROVED EQUAL.</li><li>2. SILT SOCK SHALL BE FILLED WITH FILTREMEDIA BY FILTREXX OR APPROVED EQUAL.</li><li>3. WHERE TWO SILT SOCKS ARE JOINED, A MINIMUM OF 2 FEET OF OVERLAP SHALL BE MAINTAINED.</li><li>4. SILT SOCKS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.</li><li>5. CONTRACTOR TO INSTALL SILT SOCK IN J-HOOK OR SMILE CONFIGURATION TO LIMIT CONCENTRATION OF STORMWATER RUNOFF AT A SINGLE DISCHARGE POINT.</li></ul>		
		
<b>NOTES:</b> <ul style="list-style-type: none"><li>1. INLET PROTECTION BARRIER SHALL BE SILT SACK BY ACF ENVIRONMENTAL OR APPROVED EQUAL.</li><li>2. INLET PROTECTION BARRIER SHALL BE INSTALLED IN ALL EXISTING AND PROPOSED CATCH BASINS LOCATED WITHIN THE LIMIT OF WORK.</li><li>3. SILT SACK SHALL BE INSPECTED REGULARLY AND MAINTAIN IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.</li></ul>		

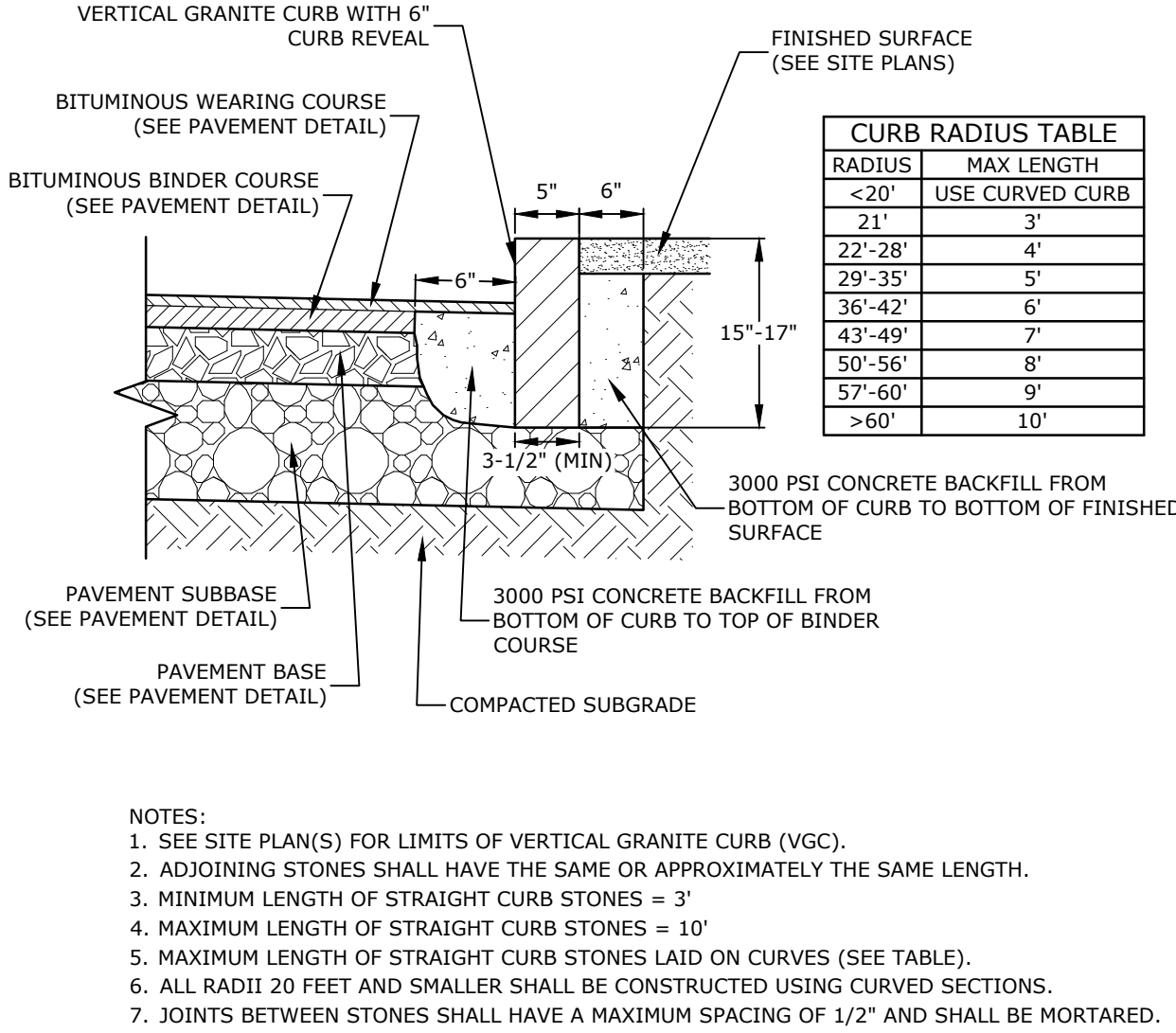
		
		
		
<b>Proposed Building Expansion</b>		
Waterstone Properties Group, Inc.		
Portsmouth, New Hampshire		
B	4/27/2022	PB Submission
A	3/22/2022	Amended Site Plan Review Submission
MARK	DATE	DESCRIPTION
PROJECT NO: W5008-008A		
DATE: 3/22/2022		
FILE: W5008-008A - C-DTLS.DWG		
DRAWN BY: CML		
CHECKED: NAH		
APPROVED: PMC		
<b>EROSION CONTROL, NOTES, &amp; DETAILS SHEET</b>		
SCALE: AS SHOWN		
<b>C-501</b>		



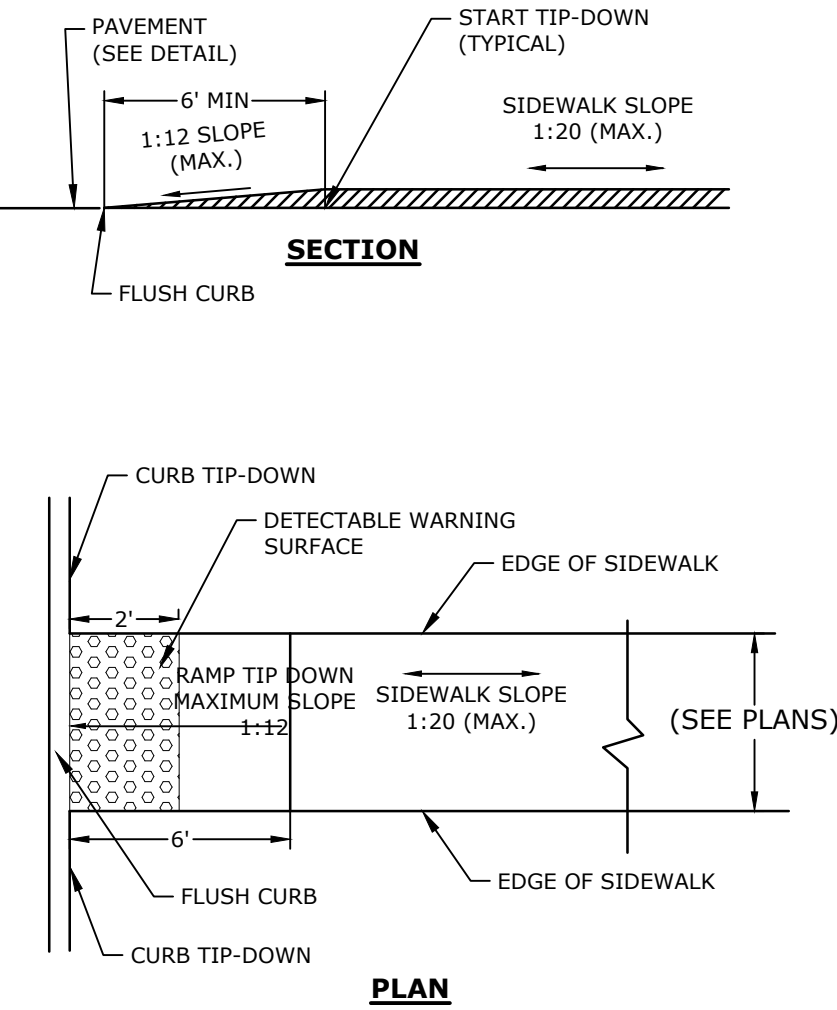
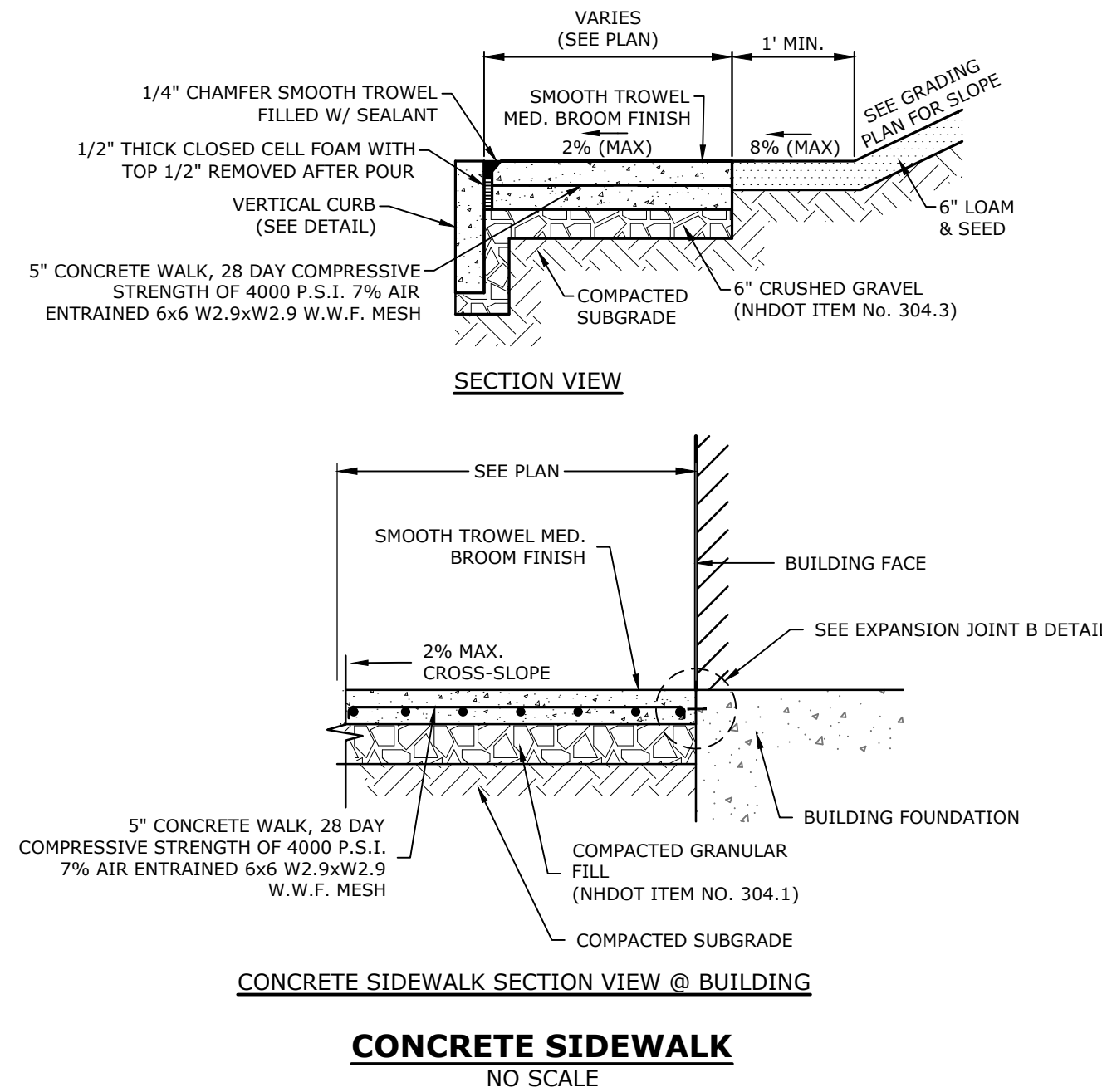
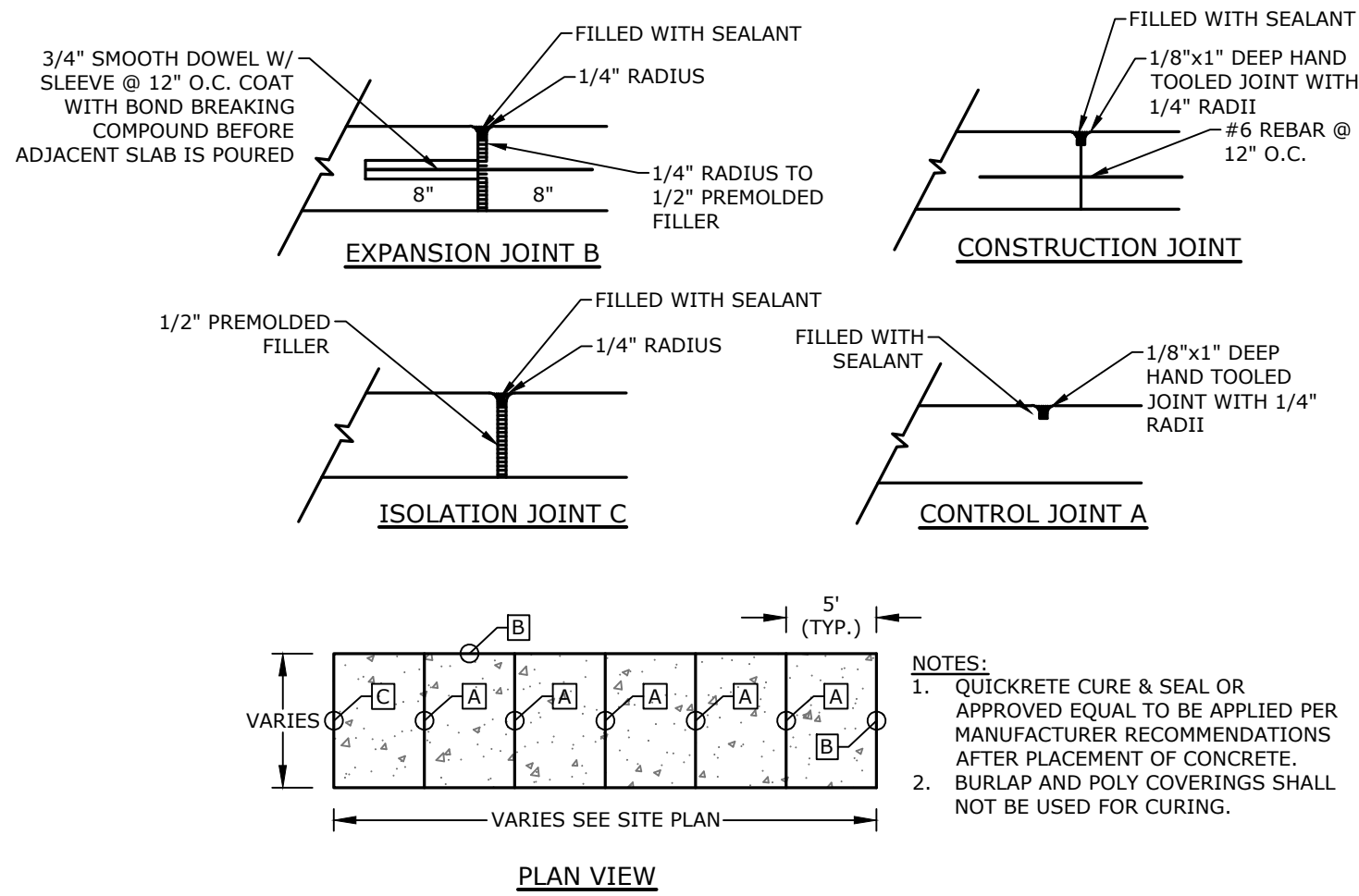
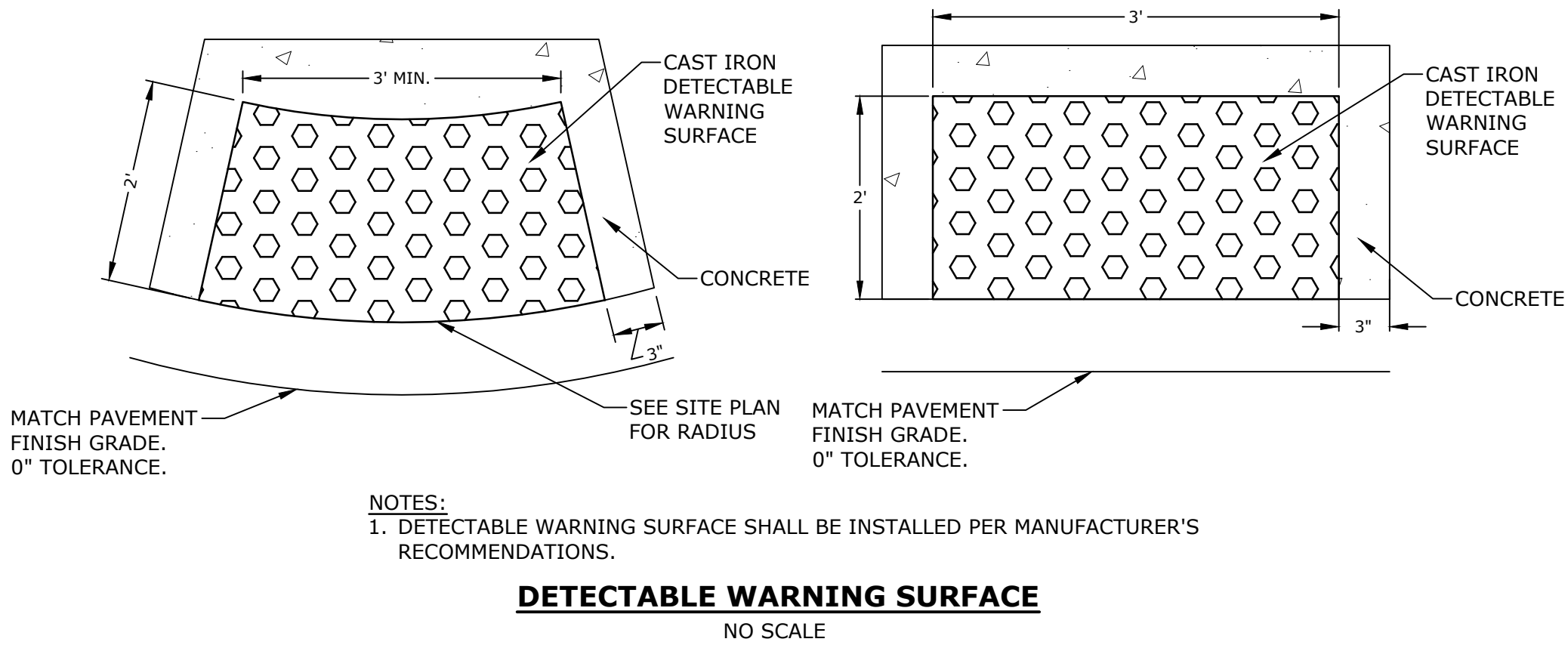
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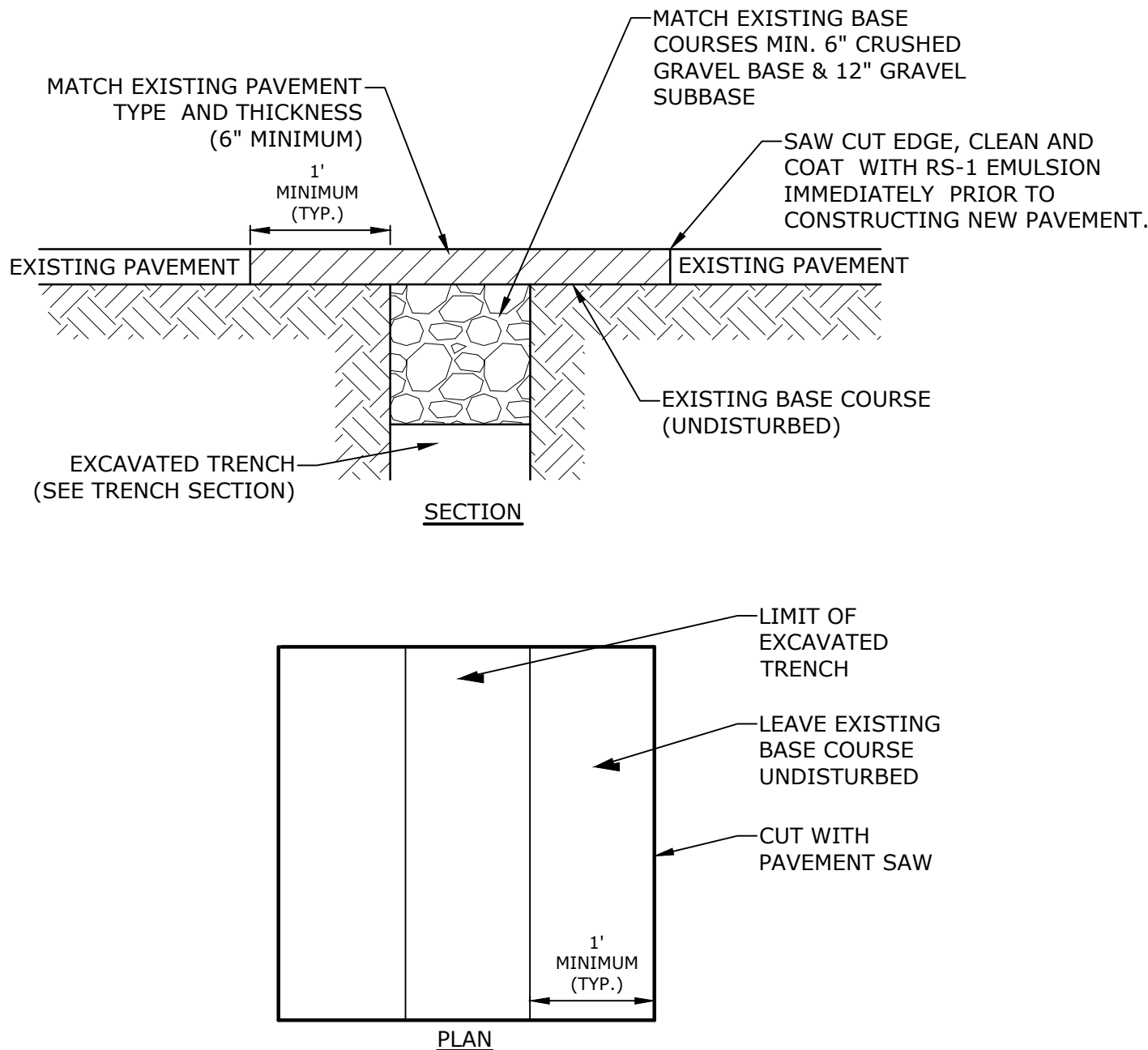
**ON-SITE PAVEMENT SECTION**  
NO SCALE



**VERTICAL GRANITE CURB**  
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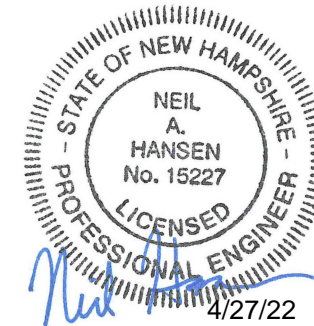
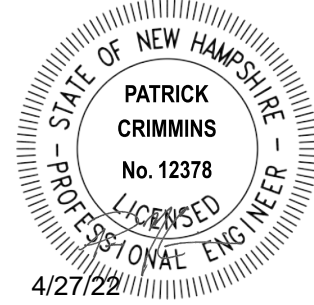


**CONCRETE SIDEWALK TIP-DOWN  
RAMPS WITH DETECTABLE WARNING PANEL**  
NO SCALE



**ROADWAY TRENCH PATCH**  
NO SCALE

**Tighe&Bond**



**Proposed  
Building  
Expansion**

Waterstone  
Properties Group,  
Inc.

Portsmouth, New  
Hampshire

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A	3/22/2022	Amended Site Plan Review Submission
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APPROVED: PMC		

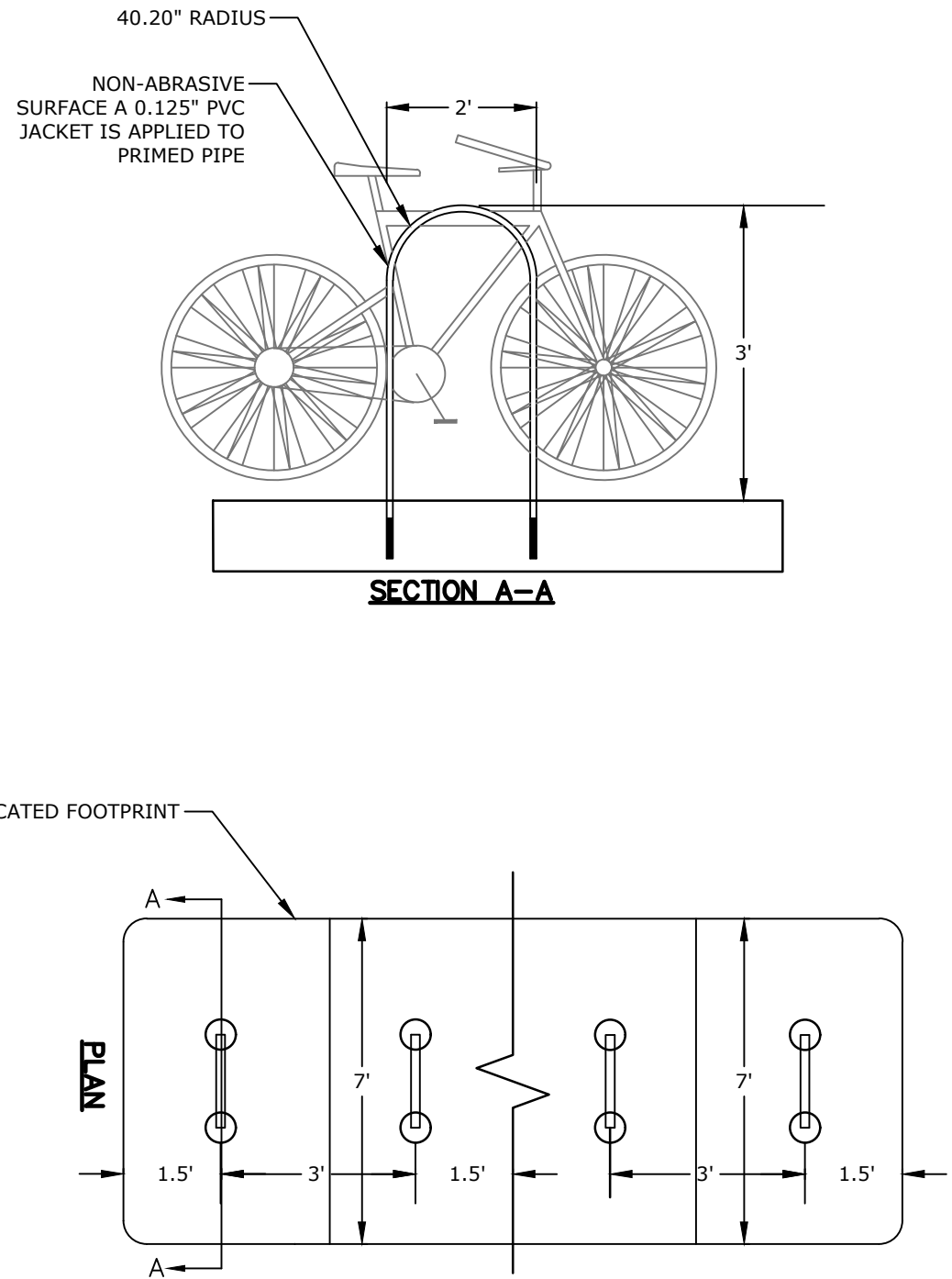
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SCALE: AS SHOWN

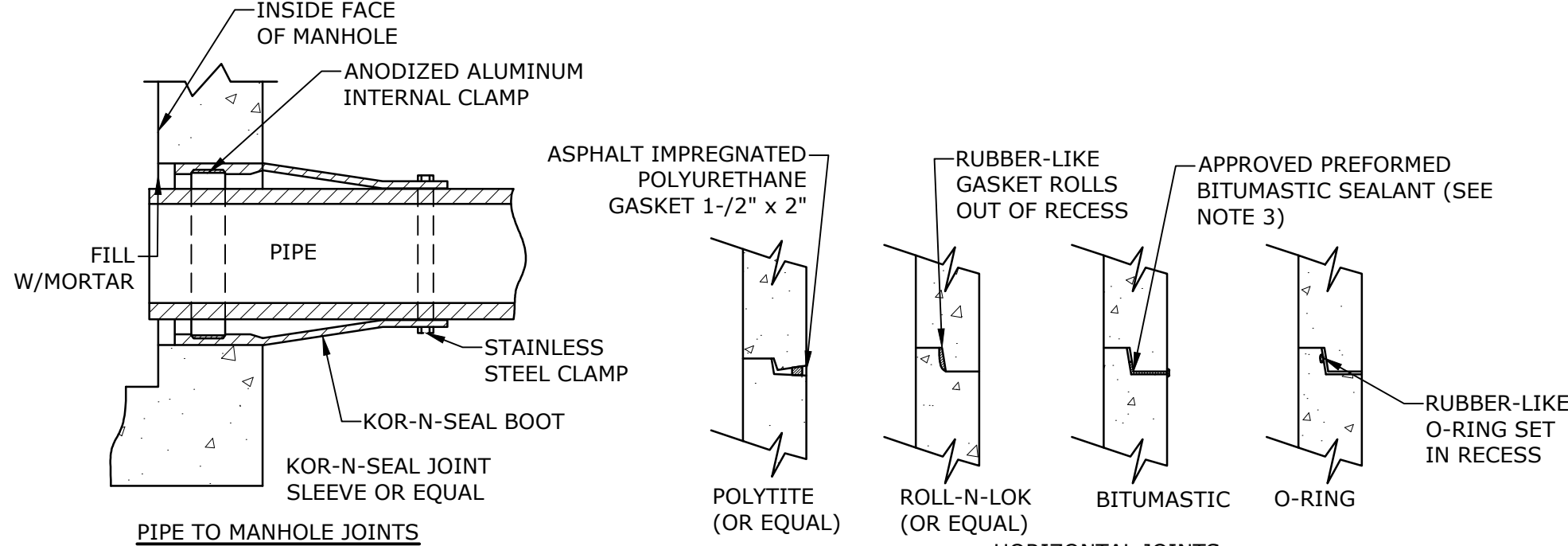
C-502



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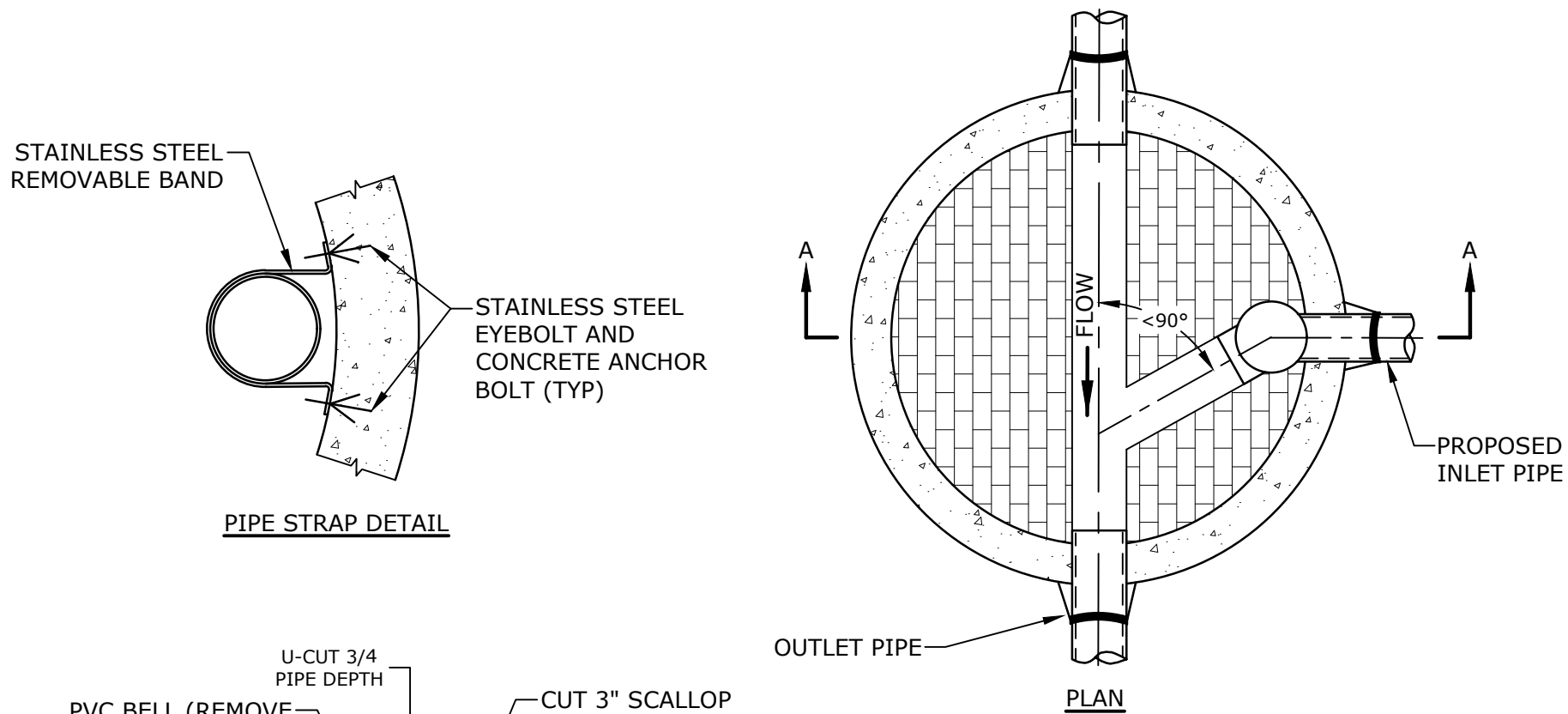


**BIKE RACK**  
NO SCALE



- NOTES:
- HORIZONTAL JOINTS BETWEEN THE SECTIONS OF PRECAST CONCRETE BARRELS SHALL BE PER CITY OF PORTSMOUTH DPW STANDARD AND SHALL BE SEALED FOR WATERTIGHTNESS USING A DOUBLE ROW ELASTOMERIC OR MASTIC-LIKE GASKET.
  - PIPE TO MANHOLE JOINTS SHALL BE PER CITY OF PORTSMOUTH STANDARD.
  - FOR BITUMASTIC TYPE JOINTS THE AMOUNT OF SEALANT SHALL BE SUFFICIENT TO FILL AT LEAST 75% OF THE JOINT CAVITY.
  - ALL GASKETS, SEALANTS, MORTAR, ETC. SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' WRITTEN INSTRUCTIONS.

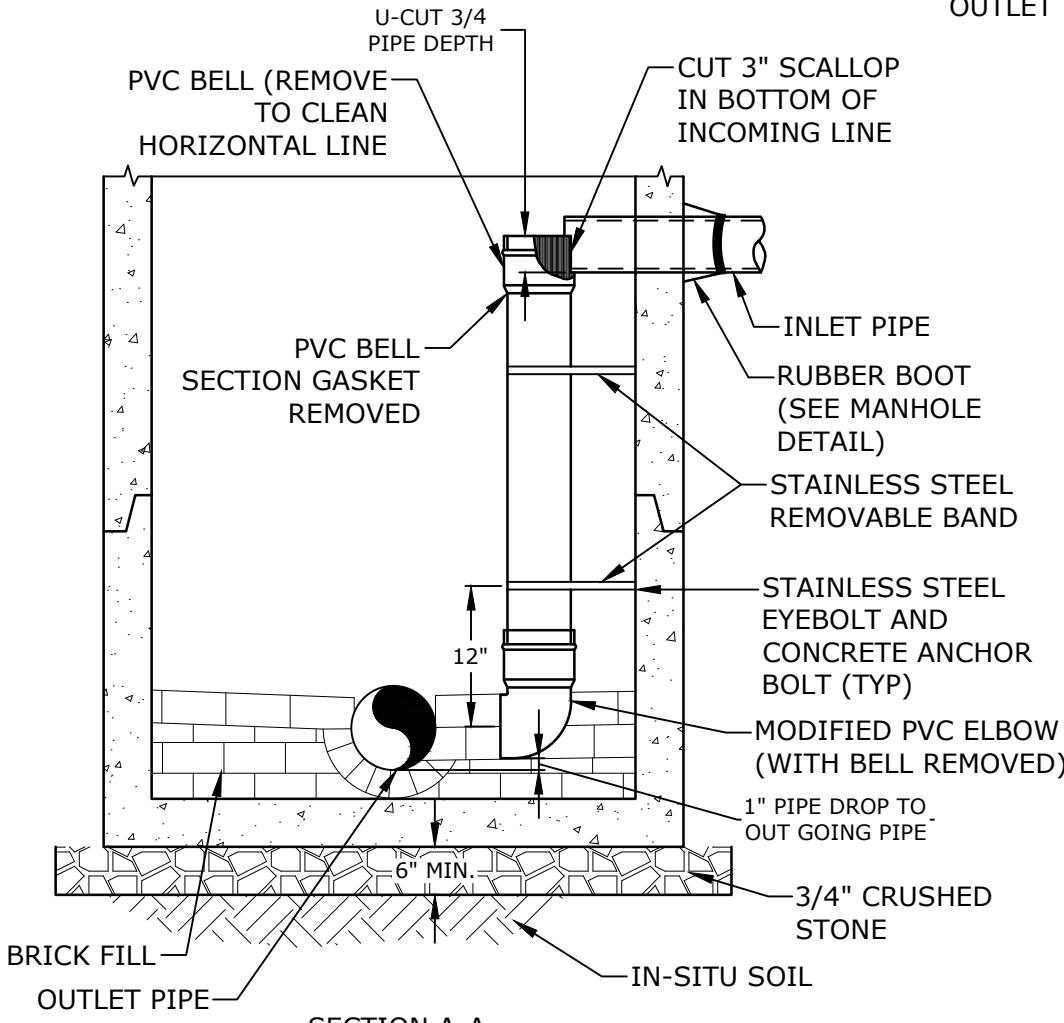
**MANHOLE JOINTS**  
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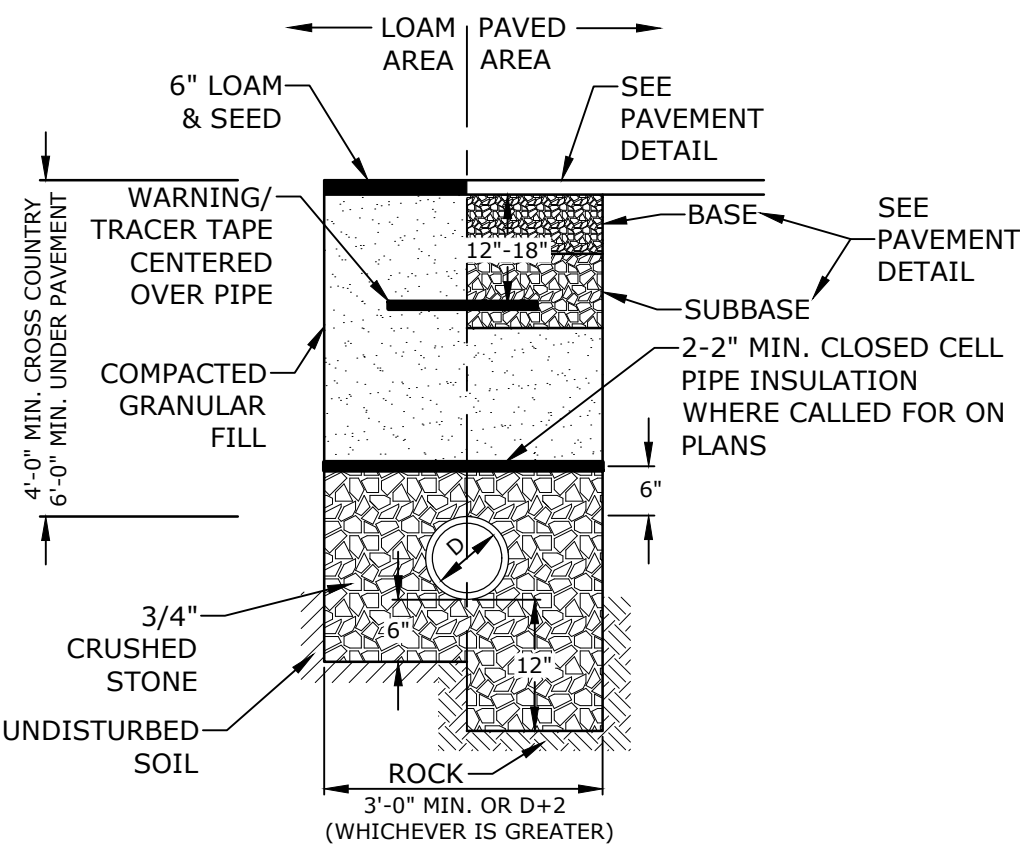
**PIPE STRAP DETAIL**

**PLAN**

- NOTES:
- RISER PIPE AND FITTINGS SHALL BE THE SAME DIAMETER AS THE INLET PIPE AND SHALL BE CONSTRUCTED OF SDR35 PVC PIPE.
  - SANITARY SEWER SHALL BE INSTALLED PER THE CITY OF PORTSMOUTH DEPARTMENT OF PUBLIC WORKS STANDARDS.
  - COORDINATE ALL INSTALLATIONS WITH THE CITY OF PORTSMOUTH.



**INSIDE DROP MANHOLE**  
NO SCALE



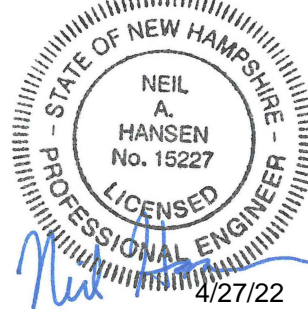
- NOTE:
- CRUSHED STONE BEDDING FOR FULL WIDTH OF THE TRENCH FROM 6" BELOW PIPE IN EARTH AND 12" BELOW PIPE IN ROCK. CRUSHED STONE SHALL ALSO COMPLETELY ENCASE THE PIPE AND COVER THE PIPE TO A GRADE 6" OVER THE TOP OF THE PIPE FOR THE ENTIRE WIDTH OF THE TRENCH.
  - COORDINATE ALL INSTALLATIONS WITH THE CITY OF PORTSMOUTH.

**SEWER SERVICE TRENCH**  
NO SCALE

- NOTES:
- INVERT AND SHELVE TO BE PLACED AFTER EACH LEAKAGE TEST.
  - CARE SHALL BE TAKEN TO INSURE THAT THE BRICK INVERT IS A SMOOTH CONTINUATION OF THE SEWER INVERT.
  - INVERT BRICKS SHALL BE LAID ON EDGE.
  - TWO (2) COATS OF BITUMINOUS WATERPROOF COATING SHALL BE APPLIED TO ENTIRE EXTERIOR OF MANHOLE.
  - FRAMES AND COVERS: MANHOLE FRAMES AND COVERS WITHIN CITY RIGHT OF WAY SHALL BE CITY STANDARD HINGE COVERS MANUFACTURED BY EJ. FRAMES AND COVERS WILL BE PURCHASED FROM THE CITY OF PORTSMOUTH DEPARTMENT OF PUBLIC WORKS. ALL OTHER MANHOLE FRAMES AND COVERS SHALL BE OF HEAVY DUTY DESIGN AND PROVIDE A 30-INCH CLEAR OPENING. A 3-INCH (MINIMUM HEIGHT) WORD "SEWER" SHALL BE PLAINLY CAST INTO THE CENTER OF EACH COVER.
  - HORIZONTAL JOINTS SHALL BE SEALED FOR WATER TIGHTNESS USING A DOUBLE ROW OF ELASTOMERIC OR MASTIC-LIKE SEALANT.
  - BARREL AND CONE SECTIONS SHALL BE PRECAST REINFORCED CONCRETE DESIGNED FOR H20 LOADING, AND CONFORMING TO ASTM C478-06.

**SEWER MANHOLE**  
NO SCALE

**Tighe&Bond**



## Proposed Building Expansion

Waterstone Properties Group, Inc.

Portsmouth, New Hampshire

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A	3/22/2022	Amended Site Plan Review Submission
MARK	DATE	DESCRIPTION
PROJECT NO:	W5008-008A	
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FILE:	W5008-008A_C-DTLS.DWG	
DRAWN BY:	CML	
CHECKED:	NAH	
APPROVED:	PMC	

DETAILS SHEET

SCALE: AS SHOWN

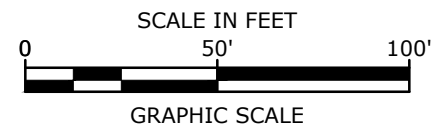
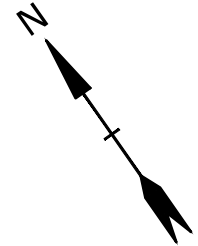
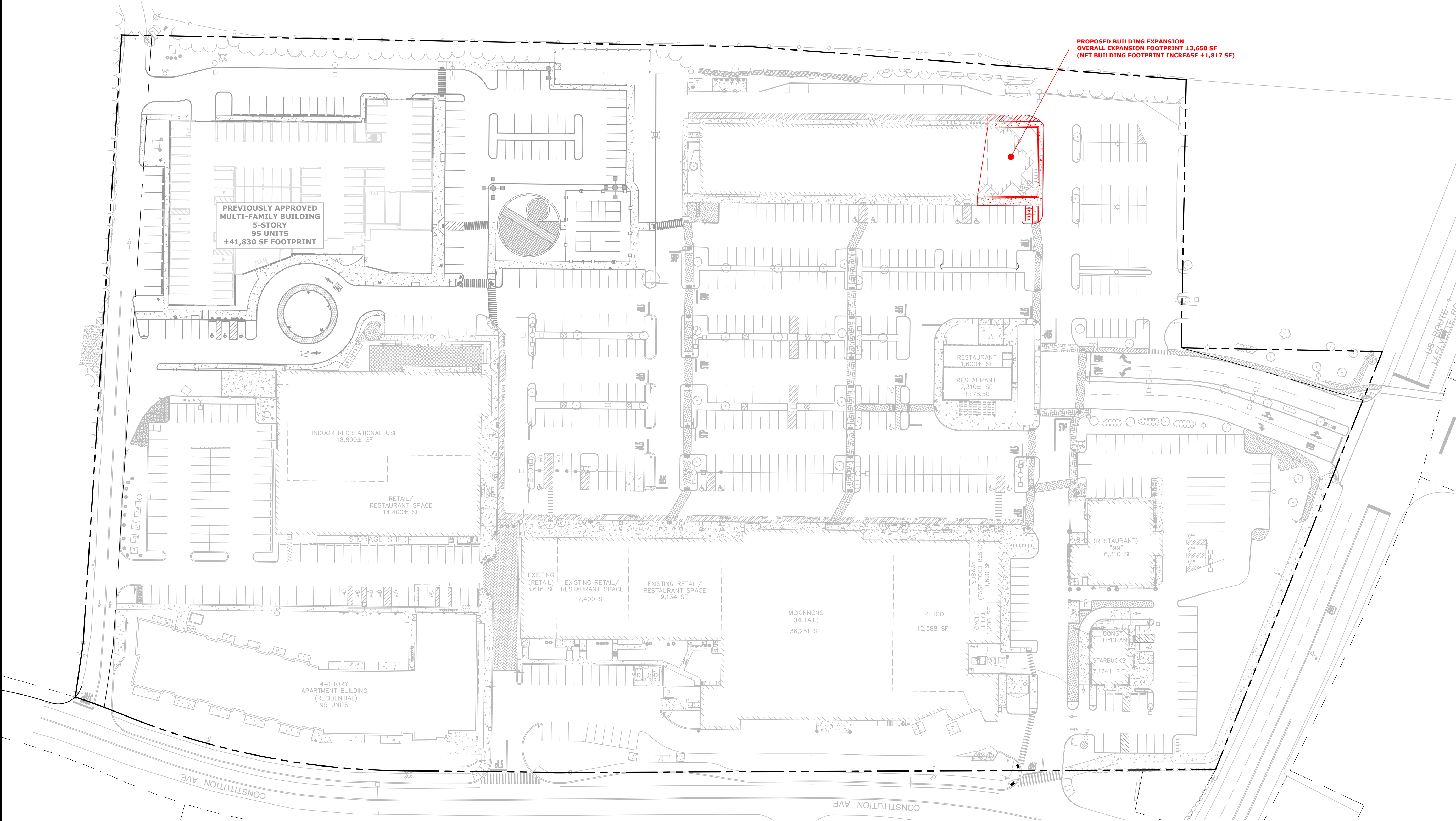
C-503



City of Portsmouth TAC, April 8, 2022:			
	TAC Comment	Applicant Response	Sheet
TAC Stipulations from 4/8 Correspondence:			
1	Replace existing sewer manhole 2494.	Existing sewer manhole 2494 has been revised to be replaced and is now labelled as PSMH-03.	C-103
2	Show location of water service on plans.	The view on Sheet C-103 has been expanded to include the water service connections to the building. The proposed addition will use the buildings existing connections.	C-103
3	A trip generation memo to address the change in trips and traffic from existing to proposed will be provided.	A trip generation letter was prepared and submitted to the City of Portsmouth DPW and is included in the Planning Board Package. The proposed project will result in a reduction of 9 trips during the AM peak hour, 7 additional trips during the PM peak hour, and 4 additional trips during the Saturday peak hour.	



Last Save Date: March 21, 2022 11:26 AM By: CML  
Plot Date: Monday, March 21, 2022 Plotted By: Craig M. Langton  
File Location: J:\W5008 Waterstone Retail\008A - Portsmouth Green - Building 2 Expansion\Drawings - Figures\AutoCAD Sheet\W5008-008A\_C-DSGN.dwg Layout Tab: Amend Ex



## Proposed Building Expansion

Waterstone Properties Group, Inc.

Portsmouth, New Hampshire

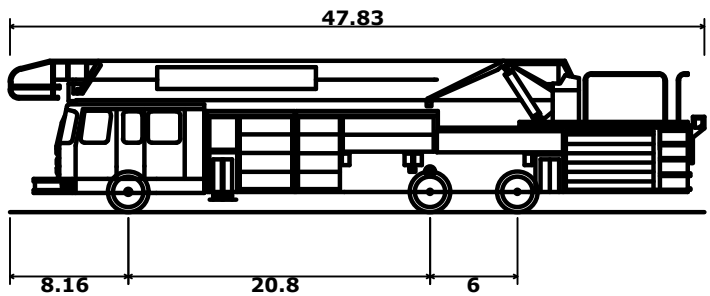
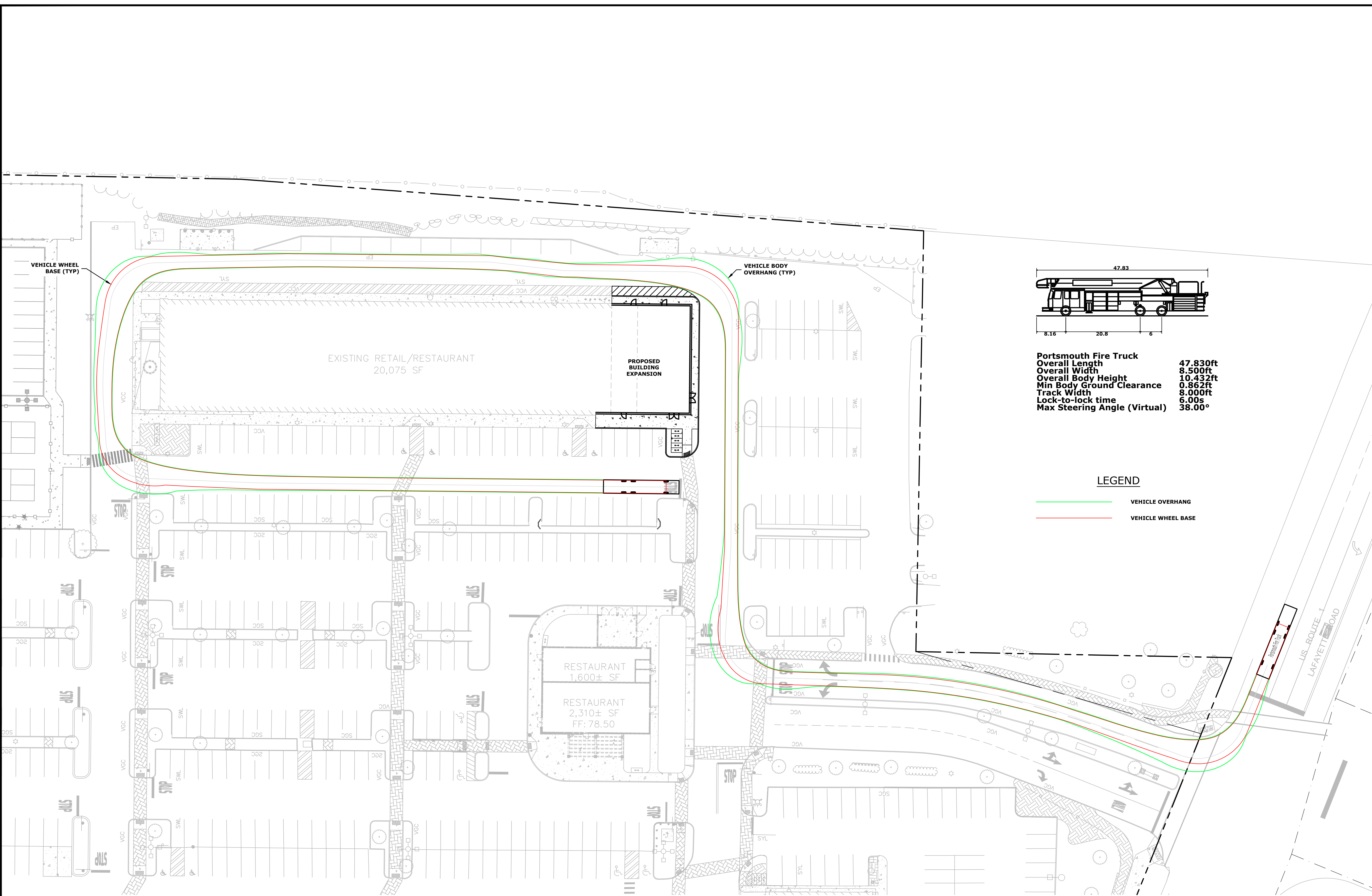
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### AMENDED SITE PLAN OVERLAY EXHIBIT

SCALE: AS SHOWN



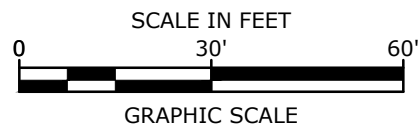
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P&E File Location: J:\WV5008 Waterstone Retail\008A - Portsmouth Green - Building 2 Expansion\Drawings Figures\AutoCAD Sheet\W5008-008A\_C-DSGN.dwg Layout Tab: Fire Truck



Portsmouth Fire Truck  
Overall Length 47.830ft  
Overall Width 8.500ft  
Overall Body Height 10.432ft  
Min Body Ground Clearance 0.862ft  
Track Width 8.000ft  
Lock-to-lock time 6.00s  
Max Steering Angle (Virtual) 38.00°

LEGEND

- VEHICLE OVERHANG
- VEHICLE WHEEL BASE



Proposed Building Expansion

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Portsmouth, New Hampshire

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CHECKED:		NAH
APPROVED:		PMC

FIRE TRUCK TURNING EXHIBIT

SCALE: AS SHOWN



W5008-008A  
April 8, 2022

Mr. Eric Eby, City Traffic Engineer  
City of Portsmouth  
Department of Public Works  
680 Peverly Hill Road  
Portsmouth New Hampshire

Re: **Trip Generation Analysis**  
**Portsmouth Green – Building 2 Expansion**

Dear Eric:

Tighe & Bond has performed a trip generation analysis for traffic related to a proposed building expansion at Portsmouth Green on a parcel of land located at 2454 Lafayette Road that is identified as Map 273 Lot 3 on the City of Portsmouth Tax Maps.

This analysis was performed utilizing Institute of Transportation Engineers (ITE) Trip Generation Manual, latest edition. For purposes of analysis, we have compared the existing and proposed uses for the project area within the Plaza. The project area's existing use consists of 1,833 SF of restaurant space. This portion of building 2 will be demolished. The proposed building addition consists 3,650 SF retail space.

	<u>Existing</u> <u>Diner</u>	<u>Proposed</u> <u>Retail</u>	<u>Net Trips</u>
<b>Weekday AM Peak Hour</b>			
Trips Entering	10	5	-5
Trips Exiting	8	4	-4
<b>Total Vehicle Trips</b>	<b>18</b>	<b>9</b>	<b>-9</b>
<b>Weekday PM Peak Hour</b>			
Trips Entering	10	12	+2
Trips Exiting	7	12	+5
<b>Total Vehicle Trips</b>	<b>17</b>	<b>24</b>	<b>+7</b>
<b>Saturday Peak Hour</b>			
Trips Entering	10	12	+2
Trips Exiting	10	12	+2
<b>Total Vehicle Trips</b>	<b>20</b>	<b>24</b>	<b>+4</b>

**Source:** Institute of Transportation Engineering, Trip Generation, 11<sup>th</sup> Edition  
Land Uses – 822 Strip Retail (<40k), 932 High-Turnover (Sit-Down) Restaurant



As depicted above, the proposed 3,650 SF of retail space in place of the existing 1,833 SF of restaurant use will result in a reduction of 9 vehicle trips during the Weekday AM Peak Hour, an increase of 7 vehicle trips during the Weekday PM Peak Hour and an increase of 4 vehicle trips during the Saturday Peak Hour. It is anticipated that with the limited number of increased vehicle trips there will be no resulting additional impact to the surrounding roadway network during peak hour times.

Please feel free to contact us if you have any questions or need any additional information.

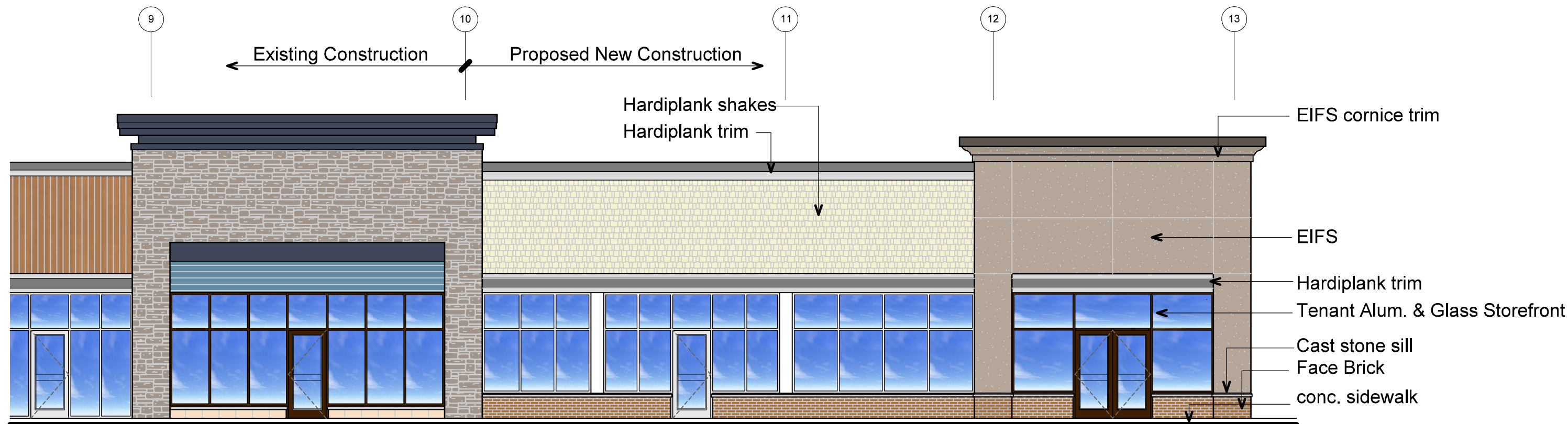
Sincerely,

**TIGHE & BOND, INC.**

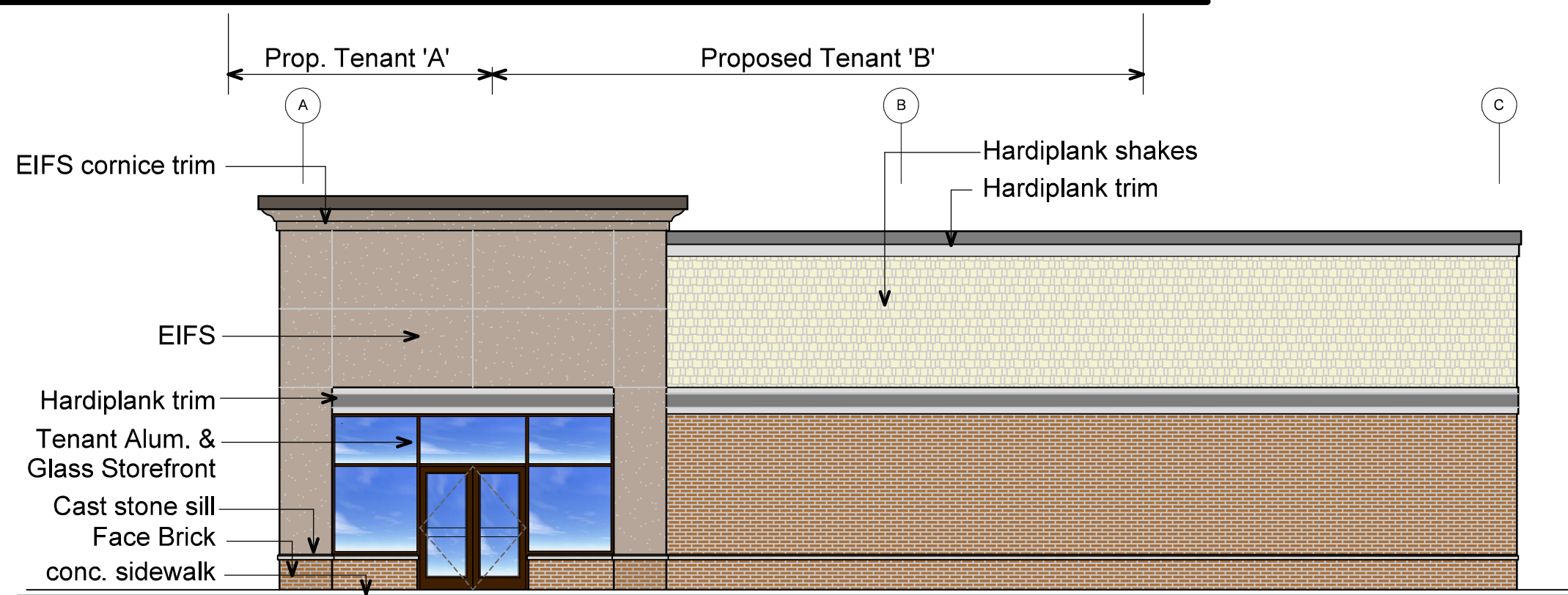
A handwritten signature in blue ink, appearing to read "Neil Hansen", is positioned above the printed name.

Neil A. Hansen, PE  
Project Manager





Front Elevation



Side Elevation