

CITY OF PORTSMOUTH

Planning Department 1 Junkins Avenue Portsmouth, New Hampshire 03801 (603) 610-7216

PLANNING BOARD

June 24, 2019

Borthwick Forest, LLC 210 Commerce Way, Suite 300 Portsmouth, NH 03801

RE: Amended Site Plan Application for properties located on Borthwick Avenue and Islington Street

Dear Applicant:

The Planning Board, at its regularly scheduled meeting of Thursday, June 20, 2019, considered your application for Amended Site Plan Review approval for the conversion of a ground level parking garage to office space and associated parking lot expansion and stormwater management improvements. Said property is shown on Assessor Map 241 Lots 25 & 26 and lies within the Office Research District. As a result of said consideration, the Board voted to grant Amended Site Plan Review Approval with the following stipulations:

1) Prior to construction of the reserve parking area in the future, the plans shall be submitted to the Conservation Commission for review.

2) The required note referencing the stormwater maintenance plan and annual inspection and maintenance schedule shall be included on the recordable plan sheet.

3) The Stormwater Maintenance Plan shall be updated to revise Section 1.3.3 to note that any updates to the plan (and deed) will require further review and approval as required by the Site Plan Review Regulations.

4) The site plan shall be reviewed for pre-approval by the Rockingham County Registry of Deeds and subsequently recorded, as deemed appropriate by the Planning Department.

The Board's decision may be appealed up to thirty (30) days after the vote. Any action taken by the applicant pursuant to the Board's decision during this appeal period shall be at the applicant's risk. Please contact the Planning Department for more details about the appeals process.

This site plan approval shall not be effective until a site plan agreement has been signed satisfying the requirements of Section 2.12 of the City's Site Review Approval Regulations.

Unless otherwise indicated above, applicant is responsible for applying for and securing a building permit from the Inspection Department prior to starting any project work.

The Planning Director must certify that all stipulations of approval have been completed prior to issuance of a building permit unless otherwise indicated above.

This site plan approval shall expire unless a building permit is issued within a period of one (1) year from the date granted by the Planning Board unless an extension is granted by the Planning Board in accordance with Section 2.14 of the Site Review Regulations.

The minutes and audio recording of this meeting are available by contacting the Planning Department.

Very truly yours,

wheet T. Wal

Juliet T. H. Walker, AICP, Planning Director for Dexter Legg, Chairman of the Planning Board

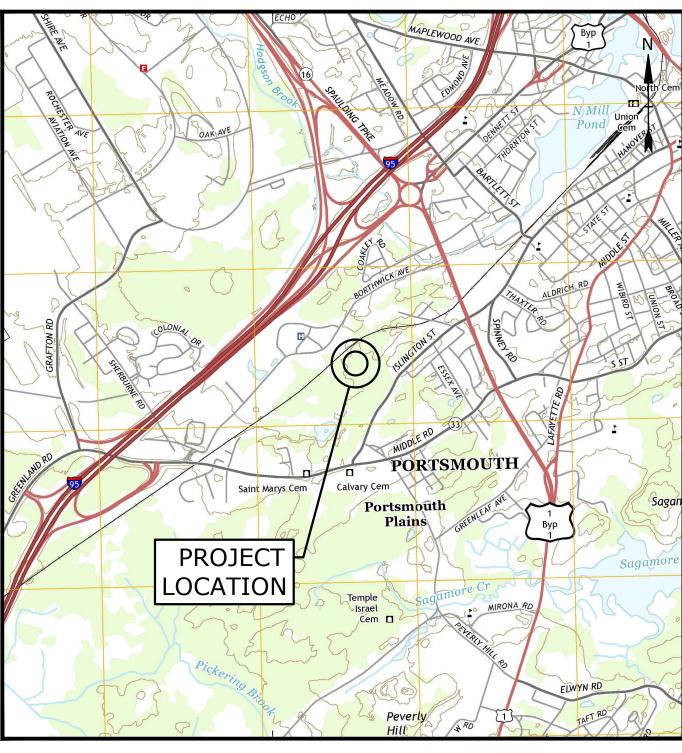
CC:

Patrick Crimmins, PE, Tighe & Bond Rosann Maurice-Lentz, City Assessor Robert Marsilia, Building Inspector Peter Rice, Director of Public Works



PROPOSED SUBDIVISION ROAD & OFFICE BUILDING DEVELOPMENT PORTSMOUTH, NEW HAMPSHIRE PERMIT DRAWINGS MARCH 20, 2017 LAST REVISED: NOVEMBER 18, 2019

	LIST OF DRAWINGS	
SHEET NO.	SHEET TITLE	LAST REVISED
	COVER SHEET	11/18/2019
1 OF 6	LOT CONSOLIDATION, RE-SUBDIVISION & EASEMENT PLAN	11/18/2019
2 OF 6	LOT CONSOLIDATION, RE-SUBDIVISION & EASEMENT PLAN	11/18/2019
3 OF 6	LOT CONSOLIDATION, RE-SUBDIVISION & EASEMENT PLAN	11/18/2019
4 OF 6	LOT CONSOLIDATION, RE-SUBDIVISION & EASEMENT PLAN	11/18/2019
5 OF 6	LOT CONSOLIDATION, RE-SUBDIVISION & EASEMENT PLAN	11/18/2019
6 OF 6	LOT CONSOLIDATION, RE-SUBDIVISION & EASEMENT PLAN	11/18/2019
G-101	GENERAL NOTES, ABBREVIATIONS & LEGEND SHEET	11/18/2019
C-101	OVERALL EXISTING CONDITIONS PLAN	03/25/2019
C-101.1	EXISTING CONDITIONS/DEMOLITION PLAN	06/11/2019
C-101.2	EXISTING CONDITIONS/DEMOLITION PLAN	06/11/2019
C-102	OVERALL SITE PLAN	11/18/2019
C-102.1	SITE PLAN & ROADWAY PROFILE	11/18/2019
C-102.2	SITE PLAN	11/18/2019
C-103.1	GRADING, DRAINAGE & EROSION CONTROL PLAN	11/18/2019
C-103.2	GRADING, DRAINAGE & EROSION CONTROL PLAN	11/18/2019
C-104.1	UTILITY PLAN & PROFILES	11/18/2019
C-104.2	UTILITY PLAN	11/18/2019
C-105.1	LANDSCAPE PLAN	11/18/2019
C-105.2	LANDSCAPE PLAN	11/18/2019
C-106	BUFFER RESTORATION & PLANTING SEQUENCING PLAN	11/18/2019
C-300	EASEMENT PLAN	11/18/2019
C-501	EROSION CONTROL NOTES SHEET	03/25/2019
C-502	DETAILS SHEET	03/25/2019
C-503	DETAILS SHEET	11/18/2019
C-504	DETAILS SHEET	11/18/2019
C-505	DETAILS SHEET	03/25/2019
C-506	DETAILS SHEET	03/25/2019
C-507	DETAILS SHEET	03/25/2019
C-508	DETAILS SHEET	03/25/2019
C-509	DETAILS SHEET	06/11/2019
1 OF 2	PHOTOMETRICS PLAN	05/13/2019
1 OF 2	PHOTOMETRICS PLAN	05/13/2019
2 OF 2	PHOTOMETRICS PLAN	05/13/2019
A3.01	EXTERIOR ELEVATIONS	05/15/2019
A3.02	EXTERIOR ELEVATIONS	05/15/2019



LOCATION MAP SCALE: 1" = 2,000'

PREPARED BY: **Tighe&Bond**

Applicant:

Survey Consultant:

Wetland Consultant:

NHDES - SEWER CO NHDES - ALTERATIO

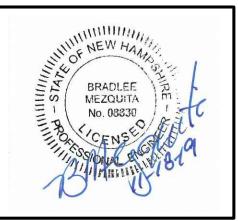
SITE PLAN REVIEW F SUBDIVISION PERMI

ONSTRUCTION NOTES 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.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, AND FOR SITE CONDITIONS THROUGHOU CONSTRUCTION. NEITHER THE PLANS NOR THE SEAL OF THE ENGINEER AFFIXED HEREON EXTEND TO OR INCLUDE SYSTEM 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

. TIGHE & BOND. ASSUMES NO RESPONSIBILITY FOR ANY ISSUES LEGAL OR OTHERWISE, RESULTING FROM CHANGES MADE TO THESE DRAWINGS WITHOUT WRITTEN AUTHORIZATION OF TIGHE & BOND.





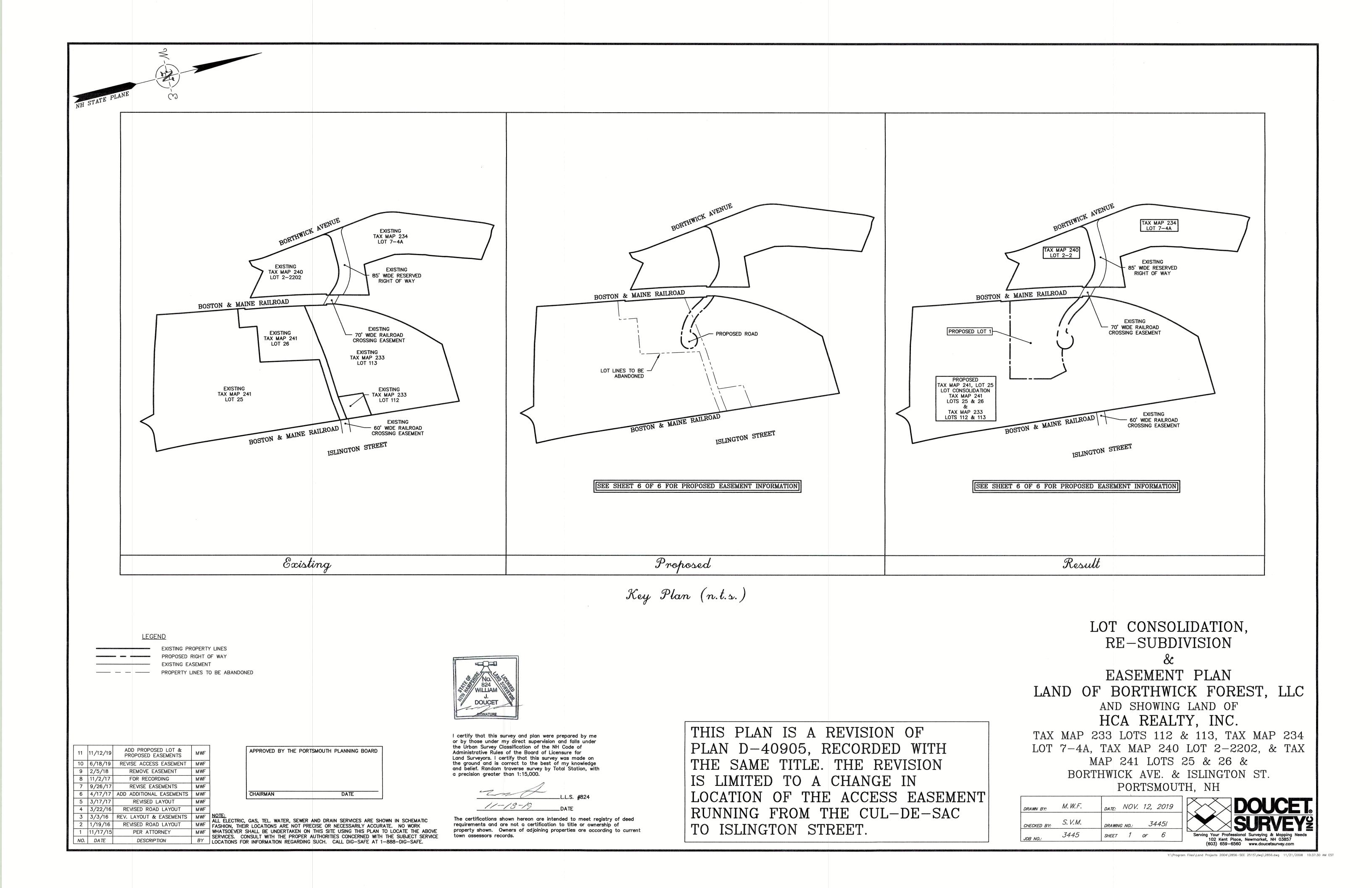
Borthwick Forest, LLC c/o The Kane Company 210 Comerce Way Portsmouth, New Hampshire 03801



Gove Environmental Services, Inc. 8 Continental Dr Bldg 2 Unit H Exeter, New Hampshire 03833

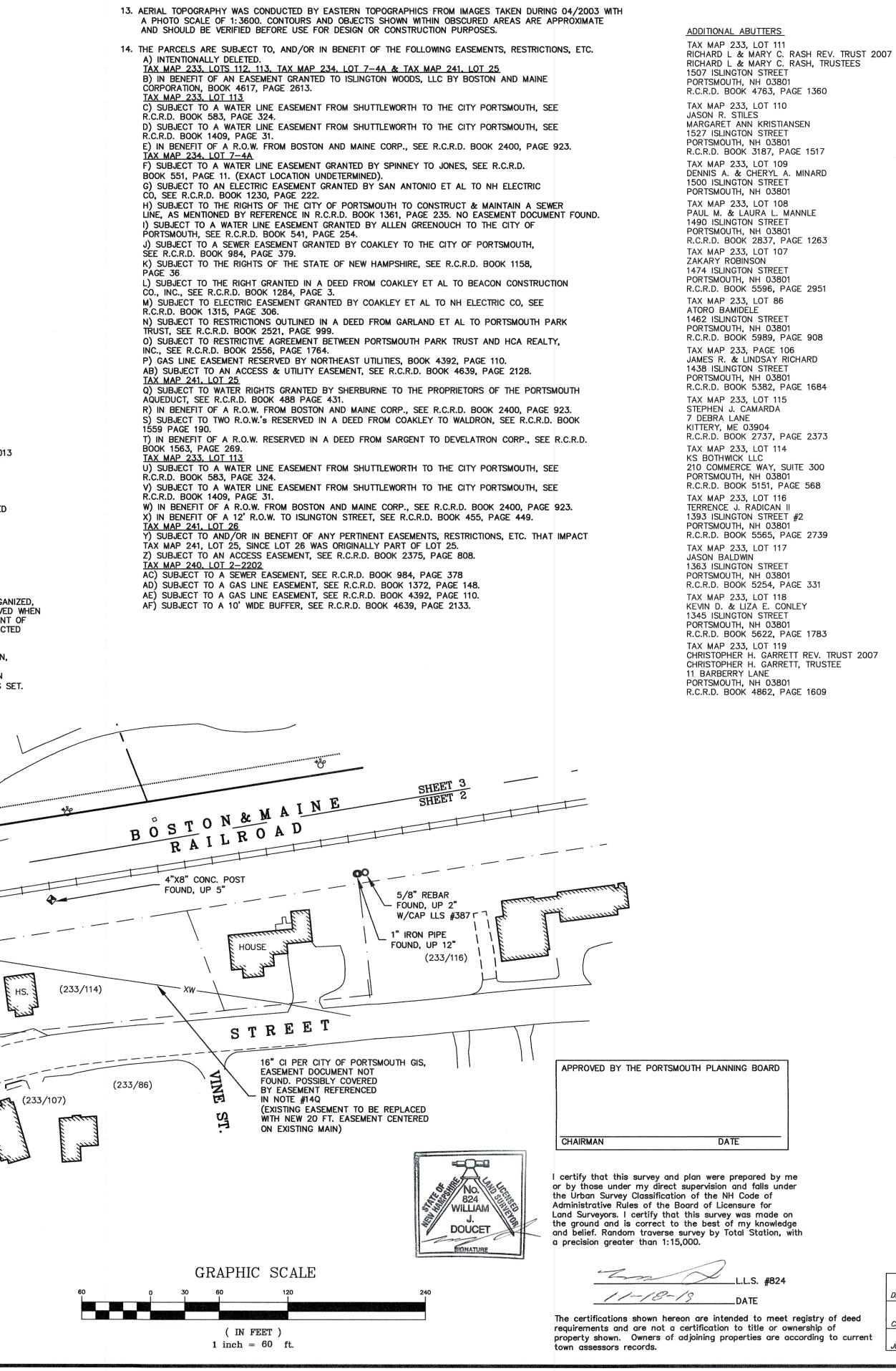
LIST OF PERMITS & APPROVALS				
STATE	STATUS	DATE		
NNECTION PERMIT	APPROVED	10/24/2018		
ON OF TERRAIN PERMIT	APPROVED	9/5/2017		
LOCAL				
PERMIT	APPROVED	6/24/2019		
IT	APPROVED	5/22/2017		

COMPLETE SET 36 SHEETS



	NOTES:	
	1. REFERENCE: TAX TAX TAX	MAP 233, LOTS 112 & 113 MAP 234, LOT 7-4A MAP 240, LOT 2-2202 MAP 241, LOTS 25 & 26
22 - 7	2. PARCEL AREAS:	LOT 112: 0.732 AC. LOT 113: 13.815 AC. LOT 7-4A: 9.085 AC. LOT 2-2202: 4.978 AC. LOT 25: 22.807 AC. LOT 26: 4.927 AC.
(Sk)	3. OWNER OF RECORD:	TAX MAP 233, LOTS 112 (R.C.R.D. BOOK 4754, PAGE 626) TAX MAP 233, LOTS 112 (R.C.R.D. BOOK 4754, PAGE 626) TAX MAP 241, LOT 25 (R.C.R.D. BOOK 4754, PAGE 626) TAX MAP 241, LOT 26 (R.C.R.D. BOOK 4754, PAGE 626) TAX MAP 241, LOT 26 (R.C.R.D. BOOK 5670, PAGE 1115) BORTHWICK FOREST, LLC 210 COMMERCE WAY, SUITE 300 PORTSMOUTH, NH 03801 R.C.R.D. BOOK 4754, PAGE 626
NH STATE FLANE		TAX MAP 234, LOT 7-4A (R.C.R.D. BOOK 4400, PAGE 2048) TAX MAP 240, LOT 2-2202 (R.C.R.D. BOOK 5694, PAGE 310) HCA REALTY, INC. C/O DUCHARME MCMILLEN & ASSOC. PO BOX 80610 INDIANAPOLIS, IN 46280
LEGEND		SEARCH) LOTS 112, 113, 7–4A, 2–2, 25 & 26
Image: Work of the second	DIMENSIONAL REQUIRE MIN. LOT AREA	MENTS: <u>SRB</u> 15,000 SQ. FT.
○ IRON PIPE/ROD FOUND ● 5/8" RE-BAR W/ ID CAP ● BARBED WIRE FOUND ON G ⑤ SEWER MANHOLE		100 FT. 30 FT. 10 FT. 30 FT. T 35 FT.
JURISDICTIONAL WETLAND S BEARING PROPERTY LINES		AGE 20%
DIST BEARING DIST DIST PROPOSED PROPERTY LINES	5. FIELD SURVEY PERFOR ADJUSTMENTS BASED	MED BY DOUCET SURVEY, INC., BETWEEN 2003 AND 2013. TRAVERSE ON LEAST SQUARES ANALYSIS. AERIAL TOPOGRAPHY PROVIDED BY
	AND AMENDED IN NO ENGINEERS WETLANDS	NDS DELINEATED BY GOVE ENVIRONMENTAL SERVICES, INC. DURING APRIL 2013 VEMBER 2013. WETLANDS DELINEATED IN ACCORDANCE WITH 1987 CORPS OF DELINEATIONS MANUAL, TECHNICAL REPORT Y-87-1.
APPROX. ABUTTERS LOT LINE EASEMENT LINE PROPOSED EASEMENT LINE	8. HORIZONTAL DATUM B	"X", PER FIRM MAP #3301390260E, DATED 5/17/05. ASED ON NH STATE PLANE COORDINATE SYSTEM ZONE 1800 AS ESTABLISHED
STONE WALL EDGE OF JURISDICTIONAL WETLAND (SEE NOTE #6)	BY VERRA & ASSOCI 9. VERTICAL DATUM IS B	ATES IN MAY 2003. ASED ON NGVD 29 PER NHDOT DISK R-50 (379-0150) ELEV.=33.24'.
EDGE OF WETLAND (PER REF. PLAN #2)	WITH AND IN RELATI	PLAN IS TO SHOW THE LOCATION OF BOUNDARIES IN ACCORDANCE ON TO THE CURRENT LEGAL DESCRIPTION, AND IS NOT AN ATTEMPT IN RIGHTS, DETERMINE THE EXTENT OF OWNERSHIP, OR DEFINE THE
XWAPPROX. WATERLINE LOCAT (PER PORTSMOUTH DPW)(233/111)ASSESSORS TAX MAP/LOT	LIMITS OF TITLE.	XITY OF RESEARCHING ROAD RECORDS AS A RESULT OF INCOMPLETE, UNORGAI
FEATURES PER EASTERN TOPOGRAPHICS	⊇ INCONCLUSIVE, OBLIT ATTEMPTING TO DET	ERATED, OR LOST DOCUMENTS, THERE IS AN INHERENT UNCERTAINTY INVOLVED ERMINE THE LOCATION AND WIDTH OF A ROADWAY RIGHT OF WAY. THE EXTENT BORTHWICK AVENUE AS DEPICTED HEREON IS BASED ON RESEARCH CONDUCT
GRAVEL ROADS GRAVEL ROADS OBSCURED PAVEMENT DRIVEWAYS	AT THE PORTMOUTH	CITY CLERKS OFFICE AND ROCKINGHAM COUNTY REGISTRY OF DEEDS.
UNPAVED DRIVEWAY FENCES STONEWALL	DUE TO THE FACT T MONUMENTS INSTALL	HAT SITE CONDITIONS WILL DICTATE THE ACTUAL LOCATION AND TYPE OF ED IN THE FIELD. PLEASE REFER TO EITHER THE "MONUMENTATION LOCATION RDED OR CONTACT DOUCET SURVEY, INC. FOR CLARIFICATION OF MONUMENTS S
BROOK/STREAM BROOK/STREAM RAILROAD TRACKS COBSCURED RAILROAD TRACK	(A RECORDED PLAN	WILL BE PRODUCED AT THE DISCRETION OF DOUCET SURVEY, INC.).

		MATCH LINE
	Θ	
		(233/111) (233/111)
		3/4" REBAR FOUND, UP 6"
HELVI H. E 1549 ISLIN PORTSMOU	IGTON STREET FOUND, D JTH, NH 03801	
к.с.к.р. В	OOK 2978, PAGE 598	(233/110) (233/110)
	Committy 1	(233/108) EXISTING 12' R.O.W. (SEE NOTES #14X)
1111/12/19ADD PROPOSED LOT & PROPOSED EASEMENTSMWF106/18/19REVISE ACCESS EASEMENTMWF		INGTON INGTON INGTON (SEE NOTES #14X) FOUND, DOWN 2" (233/109)
92/5/18REMOVE EASEMENTMWF811/2/17FOR RECORDINGMWF79/26/17REVISE EASEMENTSMWF	151	(233/109)
64/17/17ADDADDITIONAL EASEMENTSMWF53/17/17REVISED LAYOUTMWF		
4 3/22/16 REVISED ROAD LAYOUT MWF 3 3/3/16 REV. LAYOUT & EASEMENTS MWF	NOTE:	
2 1/19/16 REVISED ROAD LAYOUT MWF	ALL ELECTRIC, GAS, TEL. WATER, SEWER	R AND DRAIN SERVICES ARE SHOWN IN SCHEMATIC
2 1/19/16 REVISED ROAD LATOOT MWF 1 11/17/15 PER ATTORNEY MWF NO. DATE DESCRIPTION BY	☐ ALL ELECTRIC, GAS, TEL. WATER, SEWEF FASHION, THEIR LOCATIONS ARE NOT P WHATSOEVER SHALL BE UNDERTAKEN C SERVICES. CONSULT WITH THE PROPER	R AND DRAIN SERVICES ARE SHOWN IN SCHEMATIC RECISE OR NECESSARILY ACCURATE. NO WORK IN THIS SITE USING THIS PLAN TO LOCATE THE ABOVE AUTHORITIES CONCERNED WITH THE SUBJECT SERVICE IG SUCH. CALL DIG-SAFE AT 1-888-DIG-SAFE.



REFERENCE PLANS:

1. "PLAT OF LAND BARBERRY LANE PORTSMOUTH, NH FOR NORTHERN UTILITIES, INC.," BY DURGIN-SCHOFIELD ASSOCIATES, DATED 2/21/89, R.C.R.D. PLAN #D-19079. 2. "ALTA/ACSM LAND TITLE SURVEY FOR NORTHLAND DEVELOPMENT, BORTHWICK AVENUE,

COUNTY OF ROCKINGHAM, PORTSMOUTH, NH," BY MILLETTE, SPRAGUE & COLWELL, INC. DATED 8/19/97.

3. "GAS LINE AS-BUILT EASEMENT AND CONSERVATION EASEMENT PLAN," BY KIMBALL CHASE COMPANY, INC. DATED 10/31/85, R.C.R.D. PLAN #D-15830.

4. "LAND IN PORTSMOUTH, NH BOSTON AND MAINE CORPORATION TO LANDERS AND GRIFFIN, INC.," J.D. BATCHELER ENGINEER OF DESIGN, DATED 2/66, R.C.R.D. PLAN #843.

5. "SUBDIVISION OF LAND LOCATED IN PORTSMOUTH, NH FOR HOSPITAL CORPORATION OF AMERICA," BY KIMBALL CHASE COMPANY, INC. DATED 2/28/84. 6. "SUBDIVISION PLAN OF LAND FOR PORTSMOUTH PARK TRUST BORTHWICK AVE. EXT./ COAKLEY RD. COUNTY OF ROCKINGHAM PORTSMOUTH, NH," BY RICHARD P. MILLETTE

AND ASSOCIATES, DATED 3/27/85, R.C.R.D. PLAN #D-13747. 7. "PLAT OF PROPERTY AND IMPROVEMENTS, PORTSMOUTH HOSPITAL OFFICE BUILDING, A CONDOMINIUM PORTSMOUTH, NH," BY CESP, INC., DATED 12/12/86, R.C.R.D. PLAN

#D-15831. 8. "RIGHT-OF-WAY AND TRACK MAP, CONCORD AND PORTSMOUTH R.R. OPERATED BY THE BOSTON AND MAINE R.R., STATION 33+0 TO STATION 85+80, V28/2" BY VALUATION ENGINEERS, DATED 6/30/14.

9. "RIGHT-OF-WAY AND TRACK MAP, CONCORD AND PORTSMOUTH R.R. OPERATED BY THE BOSTON AND MAINE R.R., STATION 85+80 TO STATION 138+60, V28/3" BY VALUATION ENGINEERS, DATED 6/30/14.

10."RIGHT-OF-WAY AND TRACK MAP, CONCORD AND PORTSMOUTH R.R. OPERATED BY THE BOSTON AND MAINE R.R., STATION 2928+05 TO STATION 2966+20, V3 NH/54" BY VALUATION ENGINEERS, DATED 6/30/14.

11."LOT LINE RELOCATION PLAN FOR J. HARRISON HOLMAN OFF ISLINGTON ST. COUNTY OF ROCKINGHAM PORTSMOUTH, N.H." DATED MARCH 6, 1980 BY RICHARD P. MILLETTE AND ASSOCIATES. R.C.R.D. PLAN #D-9356.

12."PLAN OF LAND CURT GOWDY BROADCASTING CORPORATION PORTSMOUTH, N.H." DATED FEBRUARY 25, 1977 BY THOMAS F. MORAN, INC. R.C.R.D. PLAN #D-6765. 13."CITY OF PORTSMOUTH DEFENSE HOMES LOCATION PLAN" REVISED JUNE 17, 1941 BY

JOHN W. DURGIN, R.C.R.D. PLAN #01106. 14."PLAN NO. 220 SHOWING PORTION OF PROPERTY OF THE HEIRS OF CORNELIUS COAKLEY TO BE CONVEYED TO BEACON CONSTRUCTION COMPANY" DATED APRIL 28, 1953 BY

MOULTON ENGINEERING CO. 15."SUBDIVISION OF LAND LOCATED IN PORTSMOUTH, N.H." DATED MARCH 6, 1984 BY KIMBALL CHASE COMPANY, INC. R.C.R.D. PLAN #D-13069.

16."LOT LINE RELOCATION PLAN FOR PORTSMOUTH PARK TRUST AND HOSPITAL CORPORATION OF AMERICA BORTHWICK AVE. EXTENSION COUNTY OF ROCKINGHAM PORTSMOUTH, N.H." DATED JUNE 14, 1985 BY RICHARD P. MILLETTE AND ASSOCIATES. PLAN #D-15924.

17."SUBDIVISION OF LAND PORTSMOUTH, N.H. FOR J. HARRISON HOLMAN DATED MAY 1982 BY JOHN W. DURGIN ASSOCIATES, INC. R.C.R.D. PLAN #D-10843.

18."LOT LINE REVISION FOR RUTH M. GATS & FREDERICK C. & JACQUELINE O. MURRAY TRUSTEES ISLINGTON STREET PORTSMOUTH N.H." DATED JANUARY 17, 2002 BY E.J. COTE & ASSOCIATES INC. R.C.R.D. PLAN #C-29645.

19."PERSHING TERRACE PORTSMOUTH, N.H. BELMONT REALTY CO. PROVIDENCE, R.I." DATED JULY 1918 BY WM. A. GROVER CIVIL ENGINEER, R.C.R.D. PLAN #082.

20."PLAN OF RIGHT OF WAY ROBERT W. MESERVE ET. AL TRUSTEES OF THE PROPERTY OF BOSTON & MAINE CORPORATION TO J. HARRISON HOLMAN OFF ISLINGTON ST. COUNTY OF ROCKINGHAM PORTSMOUTH, N.H." DATED DECEMBER 1980 BY RICHARD P. MILLETTE AND ASSOCIATES. R.C.R.D. PLAN #D-10458.

21."BASE PLAN OF LOT 7-4A BORTHWICK AVENUE COUNTY OF ROCKINGHAM PORTSMOUTH, N.H." DATED NOVEMBER 8, 2002 BY MILLETTE, SPRAGUE & COLWELL, INC.

22."STREET REVERSION AND LOT LINE RELOCATION PLAN MAP 233-LOTS 141, 143, 144, 146 & 147 FOR DENNIS COAKLEY, DONNA & WILLAIM GLADHILL, JOSEPH ARNSTEIN AND THE CITY OF PORTSMOUTH FOCH AVENUE, BARBERRY LANE & HAIG AVENUE PORTSMOUTH, N.H. COUNTY OF ROCKINGHAM" DATED JUNE 2001 BY AMBIT ENGINEERING, INC. R.C.R.D. PLAN #D-29809.

23."LOT LINE REVISION PLAN TAX MAP R-34 LOTS 6 & 7-6 LOCATED ON BORTHWICK AVE., COAKLEY ROAD AND U.S. ROUTE 1 BYPASS IN PORTSMOUTH, N.H. COUNTY OF ROCKINGHAM" DATED OCTOBER 20, 1993 BY KIMBALL CHASE. R.C.R.D. PLAN #D-22686.

24."LOT LINE REVISION PERSHING TERRACE BARBERRY LANE & FOCH AVENUE PORTSMOUTH, NEW HAMPSHIRE FOR DENNIS N. COAKLEY" DATED SEPTEMBER 25, 1992. BY DURGIN, VERRA & ASSOCIATES, INC. R.C.R.D. PLAN #D-22042.

25."WATER PIPE EASEMENT PORTSMOUTH, N.H. BOSTON & MAINE RAILROAD-TO-DGE BREWING COMPANY, INC." DATED JUNE 1937 BY W.J. CUMMING R.C.R.D. PLAN #0868.

26."PLAN OF LOT, ISLINGTON ST., PORTSMOUTH, NH FOR EDWIN BOYNTON" DATED MARCH, 1955 BY JOHN W. DURGIN, R.C.R.D. PLAN #1349-227.

27. "PLAN OF PORTSMOUTH NATIONAL RECOVERY MUNICIPAL PROTECT NO. 152" DATED 1933, ON FILE AT NHDOT DISTRICT VI.

28. "LOT LINE REVISION PLAN FOR PORTSMOUTH HOSPITAL OFFICE BUILDING ASSOCIATION, ISLINGTON WOODS, LLC AND HCA REALTY, INC.", BY DOUCET SURVEY, INC., DATED JANUARY 13, 2006, R.C.R.D. PLAN D-33642.

29. "EASEMENT PLAN FOR ISLINGTON WOODS, LLC AND BOSTON & MAINE CORPORATION" BY DOUCET SURVEY, INC., DATED OCTOBER 20, 2005, R.C.R.D. PLAN D-33500.

SEE SHEET 5 FOR LINE & CURVE TABLES SEE SHEET 6 FOR PROPOSED EASEMENTS

LOT CONSOLIDATION, **RE-SUBDIVISION**

&

EASEMENT PLAN LAND OF BORTHWICK FOREST, LLC AND SHOWING LAND OF HCA REALTY, INC.

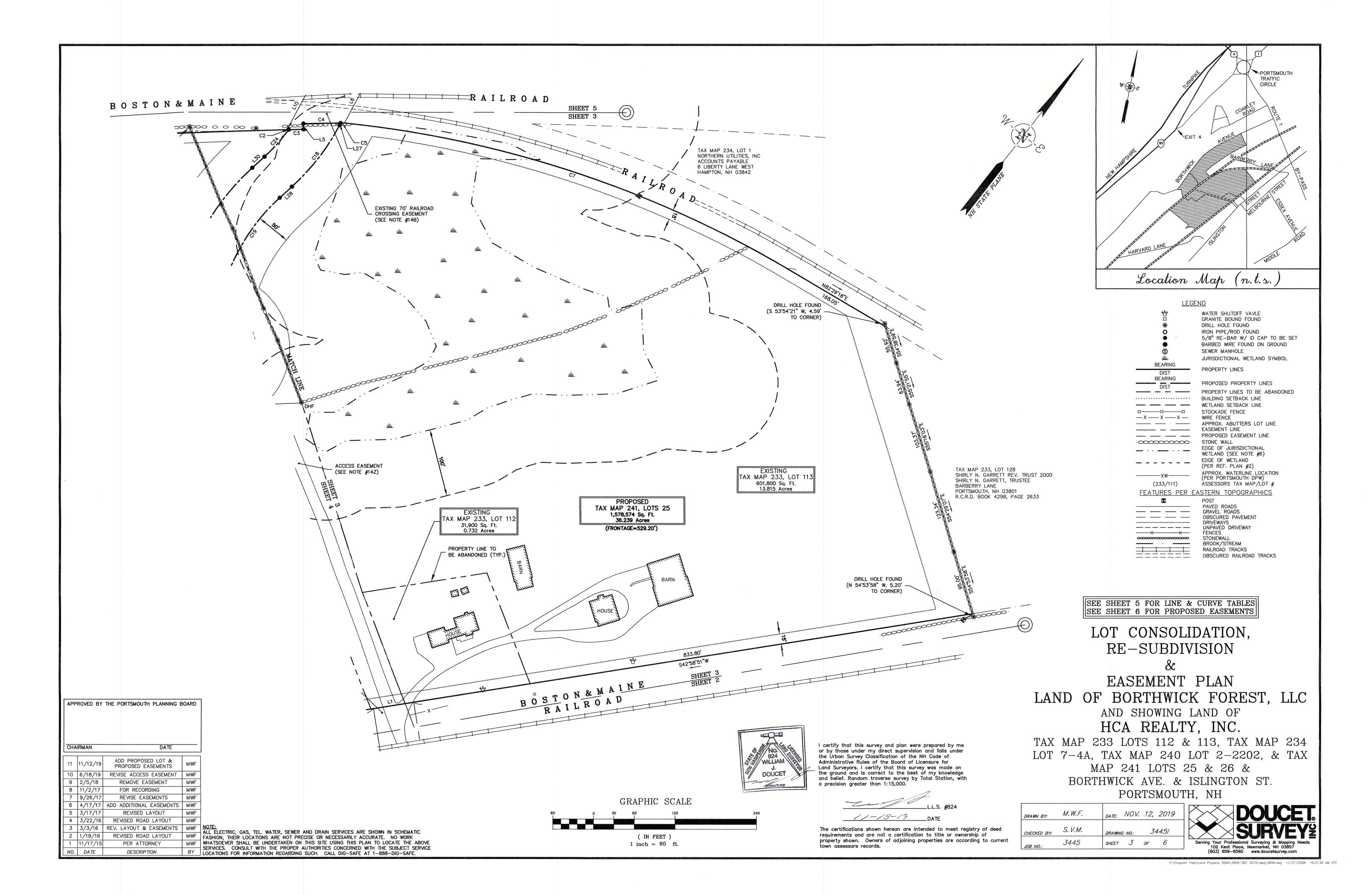
TAX MAP 233 LOTS 112 & 113, TAX MAP 234 LOT 7-4A, TAX MAP 240 LOT 2-2202, & TAX

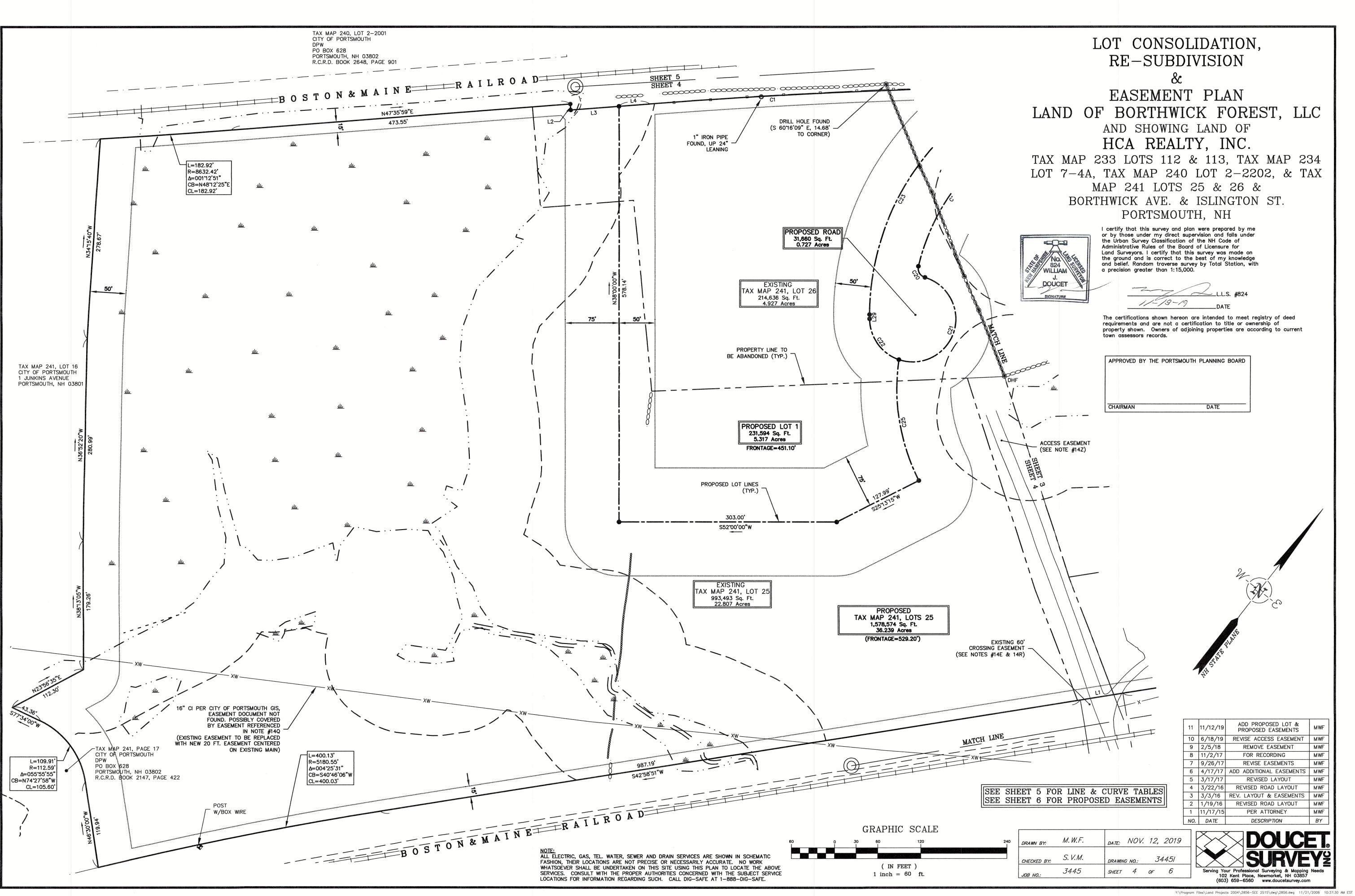
MAP 241 LOTS 25 & 26 & BORTHWICK AVE. & ISLINGTON ST.

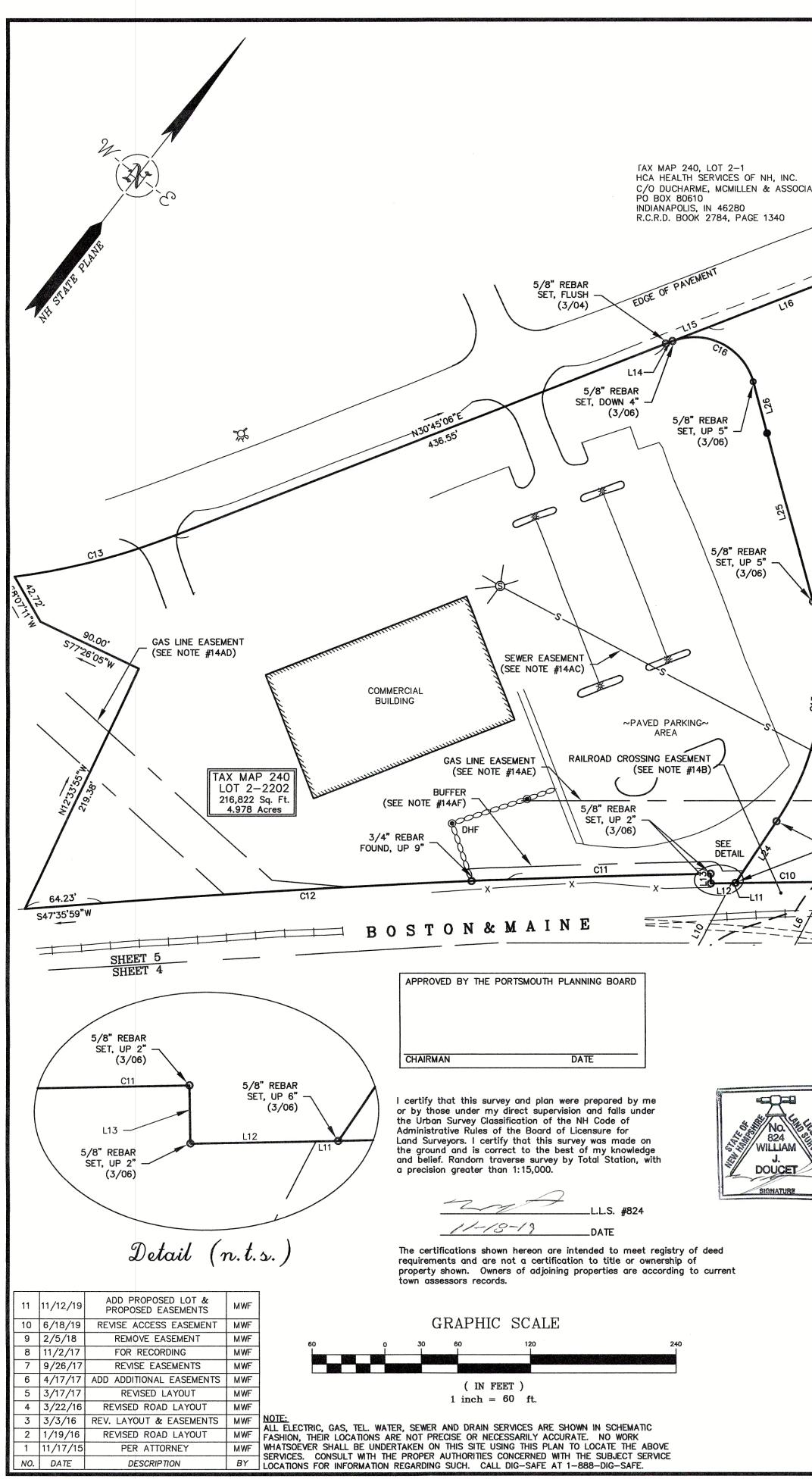
PORTSMOUTH, NH

	DRAWN BY:	M. W.F.	DATE: NOV. 12, 2019	
d	CHECKED BY:	S. V.M.	DRAWING NO.: 3445/	
rent	JOB NO.:	3445	SHEET 2 OF 6 Serving Your Professional Surveying & Mapping Needs 102 Kent Place, Newmarket, NH 03857	
			(603) 659–6560 www.doucetsurvey.com	1

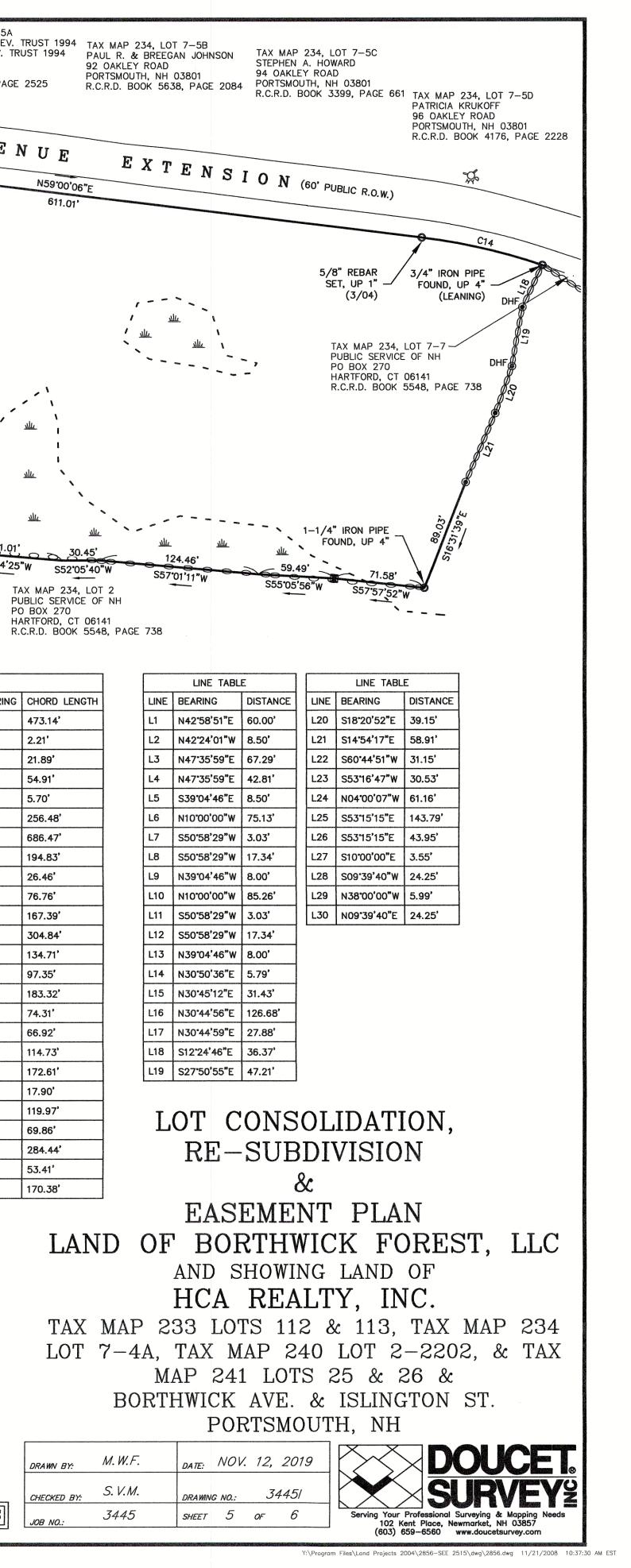
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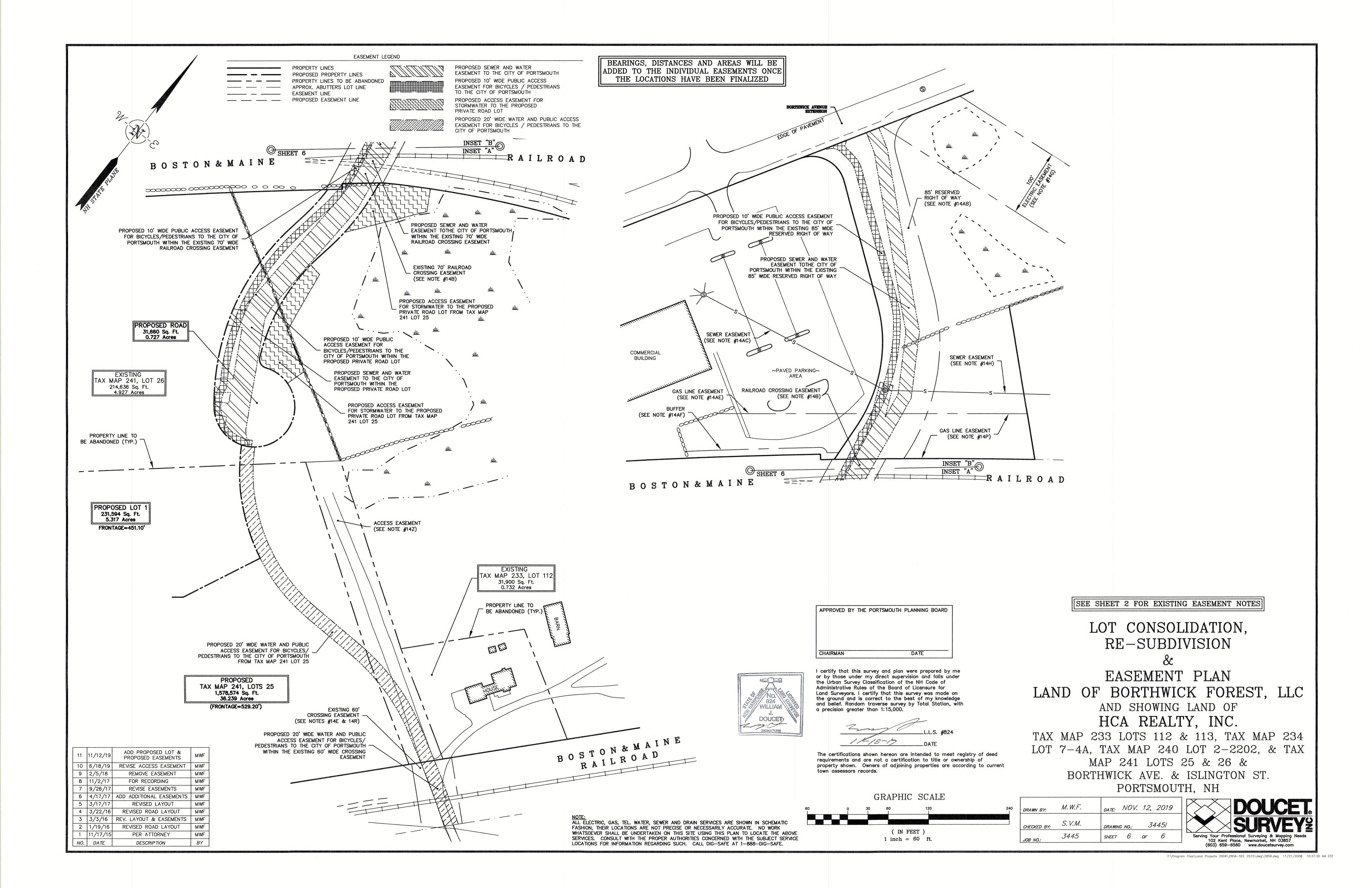






CITY OF PO 1 JUNKINS PORTSMOU	234, LOT 7–3 PORTSMOUTH S AVENUE JTH, NH 03801 BOOK 4211, PAGE 1155				JOSEPH RUTH V. 58 FOX NEWINGT	P 234, LOT 7–5A R. MITCHELL REV. 1 MITCHELL REV. TRU POINT ROAD TON, NH 03801 BOOK 3409, PAGE
		B	ORTI	HWI	CK	AVEN
CIATES S N30'44'59"E N30'44'59"E S S S S S S S S S S S S S	5/8" REBAR SET, UP 2" (3/04) A=028"15'00" CB=S44"52'36" CL=211.63' AR 4" TAX MAP 234 LOT 7-4A	5/8" REB SET, UP 5 (3/04)	AR 5"			
85' RESERVED RIGHT OF WAY (SEE NOTE #14AB)	395,730 Sq. Ft. 9.085 Acres	104.22' 50°13'53"W	94.9 S54'56'5	(in trei	UP 24" - E ROOT) -	
NORT ACCO	76.88 534'29'32 65.34 65.34 534'14'52'W MAP 234, LOT 1 THERN UTILITIES, INC OUNTS PAYABLE	501353 W	554'56'5	59"W		* 556'44'25" * TA PU PO HA R.C
SEWER EASEMENT (SEE NOTE #14H) (SEE NOTE #14H) (SEE S (S S S S S S S S S S S S S S S S S S	BERTY LANE WEST PTON, NH 03842 S	CURVE C1 C2 C3 C4 C5	473.20' 2.21' 21.89' 54.91' 5.70'	8547.92' 8547.92' 8547.92' 8556.42' 8556.42'	CURVE TABL DELTA ANGLE 3'10'19" 0'00'53" 0'08'48" 0'22'04" 0'02'17"	 CHORD BEARING S49'11'09"W S50'46'44"W S50'51'35"W S51'07'01"W S51'19'12"W
5/8" REBAR SET, UP 6" (3/06) C9 C8	5/8" REBAR SET, UP 5" (3/04)	C6 C7 C8 C9 C10 C11 C12	264.71' 691.77' 194.84' 26.46' 76.76' 167.39' 304.86'	305.06' 1612.02' 8622.42' 8622.42' 8622.42' 8630.42' 8630.42'	49'43'05" 24'35'14" 1'17'41" 0'10'33" 0'30'36" 1'06'41" 2'01'26"	N28*23'34"W S70*11'41"W S52*24'05"W S51*39'58"W S51*19'24"W S50*22'39"W S48*36'42"W
LEGEND WATER SHUTOFF VAV GRANITE BOUND FOUN	SHEET 5 SHEET 3	C13 C14 C15 C16 C17 C18 C19	135.03' 97.53' 189.09' 83.77' 73.31' 115.30' 175.22'	560.00' 470.00' 220.00' 50.00' 50.00' 336.00' 292.00'	13'48'57" 11'53'22" 49'14'41" 95'59'41" 84'00'20" 19'39'40" 34'22'55"	N37'39'34"E S64'56'47"W N28'37'54"W S78'44'56"W S11'15'05"E N00'10'10"W S07'31'47"E
GRANTE BOUND FOUR GRANTE BOUND FOUR DRILL HOLE FOUND IRON PIPE/ROD FOUN S/8" RE-BAR W/ ID BARBED WIRE FOUND SEWER MANHOLE JURISDICTIONAL WETL BEARING DIST DIST PROPERTY LINES DIST DIST	ND) CAP TO BE SET) ON GROUND LAND SYMBOL	C20 C21 C22 C23 C24 C25	19.74' 191.13' 74.57' 292.81' 53.50' 173.03'	13.00' 60.00' 60.00' 352.00' 276.00' 285.00'	87'00'10" 182'31'02" 71'12'23" 47'39'40" 11'06'19" 34'47'05"	S68'13'20"E N20'27'54"W S73'36'12"E S14'10'10"E N04'06'31"E S47'23'13"E
PROPERTY LINES TO BUILDING SETBACK LI WETLAND SETBACK LI STOCKADE FENCE X X WRE FENCE APPROX. ABUTTERS L EASEMENT LINE PROPOSED EASEMENT STONE WALL EDGE OF JURISDICTION WETLAND (SEE NOTE STONE WALL EDGE OF WETLAND (PER REF. PLAN #2) XW (233/111) ASSESSORS TAX MAP FEATURES PER EASTERN TOPOGRAF	INE INE LOT LINE T LINE DNAL #6) LOCATION DPW) P/LOT #					
POST PAVED ROADS GRAVEL ROADS GRAVEL ROADS OBSCURED PAVEMENT DRIVEWAYS UNPAVED DRIVEWAY FENCES STONEWALL BROOK/STREAM H H H H H RAILROAD TRACKS OBSCURED PAUL POAD		SEE SH	IEET 6 F	OR PRO	POSED E	ASEMENTS





	GENERAL NOTES: THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE AND THE LOCATIONS ARE	1.	SITE NOT PAVEMENT MARKINGS SHALL BE INSTALLED AS S
	NOT GUARANTEED BY THE OWNER OR THE ENGINEER. IT IS THE CONTRACTOR'S		BARS, ADA SYMBOLS, PAINTED ISLANDS, FIRE LA
	RESPONSIBILITY TO LOCATE ALL UTILITIES, ANTICIPATE CONFLICTS, REPAIR EXISTING UTILITIES AND RELOCATE EXISTING UTILITIES REQUIRED TO COMPLETE THE WORK.		AND CENTERLINES. ALL MARKINGS EXCEPT CENT CONSTRUCTED USING WHITE PAVEMENT MARKIN
	COORDINATE ALL WORK WITHIN PUBLIC RIGHT OF WAYS WITH THE CITY OF PORTSMOUTH.		MARKINGS INCLUDING LEGENDS, ARROWS, CROS
	THE CONTRACTOR SHALL EMPLOY A NEW HAMPSHIRE LICENSED SURVEYOR OR PROFESSIONAL ENGINEER TO DETERMINE ALL LINES AND GRADES.		REQUIREMENTS OF AASHTO M249. ALL PAINTED CENTERLINES, LANE LINES AND PAINTED MEDIAN
	THE CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES. CALL DIG SAFE AT	2	AASHTO M248 TYPE "F".
	LEAST 72 HOURS PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION/CONSTRUCTION	2.	ALL PAVEMENT MARKINGS AND SIGNS TO CONFC CONTROL DEVICES", "STANDARD ALPHABETS FOR
	ACTIVITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES AND COMPLY WITH		MARKINGS", AND THE AMERICANS WITH DISABIL
	THE CONDITIONS OF ALL OF THE PERMIT APPROVALS.	2	EDITIONS. SEE DETAILS FOR PAVEMENT MARKINGS, ADA SY
	THE CONTRACTOR SHALL OBTAIN AND PAY FOR AND COMPLY WITH ADDITIONAL PERMITS,	3. 4.	
	NOTICES AND FEES NECESSARY TO COMPLETE THE WORK AND ARRANGE FOR AND PAY FOR NECESSARY INSPECTIONS AND APPROVALS FROM THE AUTHORITIES HAVING JURISDICTION.	5.	PAINTED ISLANDS SHALL BE FOUR (4) INCH WID
	THE CONTRACTOR SHALL PHASE DEMOLITION AND CONSTRUCTION AS REQUIRED TO	c	BY FOUR (4) INCH WIDE LINES.
	PROVIDE CONTINUOUS SERVICE TO EXISTING BUSINESSES AND HOMES THROUGHOUT THE CONSTRUCTION PERIOD. EXISTING BUSINESS AND HOME SERVICES INCLUDE, BUT ARE NOT	6.	STOP BARS SHALL BE EIGHTEEN (18) INCHES WI TO CURRENT MUTCD STANDARDS.
	LIMITED TO ELECTRICAL, COMMUNICATION, FIRE PROTECTION, DOMESTIC WATER AND	7.	CLEAN AND COAT VERTICAL FACE OF EXISTING P
	SEWER SERVICES. TEMPORARY SERVICES, IF REQUIRED, SHALL COMPLY WITH ALL FEDERAL, STATE, LOCAL AND UTILITY COMPANY STANDARDS. CONTRACTOR SHALL PROVIDE DETAILED	Q	EMULSION IMMEDIATELY PRIOR TO PLACING NEW SEE ARCHITECTURAL/BUILDING DRAWINGS FOR
	CONSTRUCTION SCHEDULE TO OWNER PRIOR TO ANY DEMOLITION/CONSTRUCTION	0.	ADJACENT TO BUILDING.
	ACTIVITIES AND SHALL COORDINATE TEMPORARY SERVICES TO ABUTTERS WITH THE UTILITY COMPANY AND AFFECTED ABUTTER.		COORDINATE ALL OFF-SITE SITE WORK WITH RO
	ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE CITY OF PORTSMOUTH	10.	CONTRACTOR TO PROVIDE BACKFILL AND COMPA FORMS FOR SIDEWALKS AND PADS HAVE BEEN S
	DEPARTMENT OF PUBLIC WORKS, STANDARD SPECIFICATIONS AND WITH THE STATE OF NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION, "STANDARD SPECIFICATIONS OF ROAD AND		CONTRACTOR.
	BRIDGE CONSTRUCTION", CURRENT EDITION.		ALL LIGHT POLE BASES NOT PROTECTED BY A RA
	CONTRACTOR TO SUBMIT AS-BUILT PLANS ON REPRODUCIBLE MYLARS AND IN DIGITAL FORMAT (.DWG FILE) ON DISK TO THE OWNER AND ENGINEER UPON COMPLETION OF THE		COORDINATE ALL WORK ADJACENT TO BUILDING CONTRACTOR SHALL BE RESPONSIBLE FOR OBTA
	PROJECT. AS-BUILTS SHALL BE PREPARED AND CERTIFIED BY A NEW HAMPSHIRE LICENSED		MANUFACTURERS, AND SUBMITTING DESIGN TO
	LAND SURVEYOR OR PROFESSIONAL ENGINEER.		CONSTRUCTION. CONTRACTOR SHALL FURNISH A REQUIRED TO CONSTRUCT WALL IN ACCORDANC
	CONTRACTOR SHALL THOROUGHLY CLEAN ALL CATCH BASINS AND DRAIN LINES, WITHIN THE LIMIT OF WORK, OF SEDIMENT IMMEDIATELY UPON COMPLETION OF CONSTRUCTION.		ENGINEER. RETAINING WALL SHALL BE SEGMENT
L.	THE PROPERTY OWNER SHALL PROVIDE AN AS-BUILT RESTORATION PLAN AND FOLLOW-UP	14	THE SPECIFICATIONS. ALL DIMENSIONS ARE TO THE FACE OF CURB UNI
	MONITORING ONE AND THREE YEARS AFTER THE RESTORATION WORK HAS BEEN COMPLETED TO INSURE A SURVIVAL RATE OF AT LEAST 80% OF THE NEW PLANTINGS. THE MONITORING		EASEMENTS BETWEEN THE APPLICANT AND THE
	PLAN SHALL BE SUBMITTED TO THE PLANNING DEPARTMENT AND SHALL INCLUDE A		PRIOR TO EXECUTED SITE REVIEW AGREEMENT.
	REQUIREMENT THAT ANY NEW INVASIVE SPECIES FOUND IN THE RESTORATION AREA DURING THE SITE MONITORING BE MECHANICALLY REMOVED.	16.	APPLICANT SHALL PROVIDE LIGHT POLE BASE, 24 AND WIRING FOR STREET LIGHTING. CITY OF PO
	ATV USE SHALL BE PROHIBITED IN THE DESCRIBED BLANDING TURTLE NESTING AREA AND	17.	UPON FINAL APPROVAL THE APPLICATION AGREE
	THE IMPACTED AREA SHALL BE SIGNED ACCORDINGLY BY THE PROPERTY OWNER. THE SITE PLAN SHALL BE RECORDED IN THE ROCKINGHAM COUNTY REGISTRY OF DEEDS.		LINE MONUMENTATIONS, BENCHMARKS, AND HO SUBDIVISION RULES AND REGULATIONS TO THE
	ALL IMPROVEMENTS SHOWN ON THE SITE PLAN SHALL BE CONSTRUCTED AND MAINTAINED		DEPARTMENT.
	IN ACCORDANCE WITH THE PLAN BY THE PROPERTY OWNER AND ALL FUTURE PROPERTY	18.	APPLICANT SHALL BE RESPONSIBLE FOR IMPLEMI MAINTENANCE PLAN INCLUDING THE MAINTENAN
	OWNERS. NO CHANGES SHALL BE MADE TO THIS SITE PLAN WITHOUT THE EXPRESS APPROVAL OF THE PORTSMOUTH PLANNING DIRECTOR.		RAIN GARDEN AND GRAVEL WETLAND SYSTEMS (
5.	THE PROPERTY OWNER AND ALL FUTURE PROPERTY OWNERS SHALL BE RESPONSIBLE FOR		APPROVED OPERATION AND MAINTENANCE PLAN THE ROCKINGHAM COUNTY REGISTRY OF DEEDS.
	THE MAINTENANCE, REPAIR AND REPLACEMENT OF ALL REQUIRED SCREENING AND LANDSCAPE MATERIALS.		
	ALL REQUIRED PLANT MATERIALS SHALL BE TENDED AND MAINTAINED IN A HEALTHY		GRADING AND DRAI
	GROWING CONDITION, REPLACED WHEN NECESSARY, AND KEPT FREE OF REFUSE AND DEBRIS. ALL REQUIRED FENCES AND WALLS SHALL BE MAINTAINED IN GOOD REPAIR.	1.	COMPACTION REQUIREMENTS: BELOW PAVED OR CONCRETE AREAS 95
	THE PROPERTY OWNER SHALL BE RESPONSIBLE TO REMOVE AND REPLACE DEAD OR		TRENCH BEDDING MATERIAL AND
	DISEASED PLANT MATERIALS IMMEDIATELY WITH THE SAME TYPE, SIZE AND QUANTITY OF PLANT MATERIALS AS ORIGINALLY INSTALLED, UNLESS ALTERNATIVE PLANTINGS ARE		SAND BLANKET BACKFILL 95
	REQUESTED, JUSTIFIED AND APPROVED BY THE PLANNING BOARD OR PLANNING DIRECTOR.		BELOW LOAM AND SEED AREAS 90
			* ALL PERCENTAGES OF COMPACTION SHALL BE O OPTIMUM MOISTURE CONTENT AS DETERMINED /
	DEMOLITION NOTES:		ASTM D-1557, METHOD C FIELD DENSITY TESTS
	EDACIAN CANTDAL MEACHIDEC CUALL DE INCTALLES DETAS TO THE CTART OF ANY OF FRENC		•
	EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF ANY CLEARING OR DEMOLITION ACTIVITIES.	2.	ASTM D-1557, METHOD C FIELD DENSITY FESTS ASTM D-1556 OR ASTM-2922. ALL STORM DRAINAGE PIPES SHALL BE HIGH DEN
	OR DEMOLITION ACTIVITIES. ALL MATERIALS SCHEDULED TO BE REMOVED SHALL BECOME THE PROPERTY OF THE		ASTM D-1556 OR ASTM-2922. ALL STORM DRAINAGE PIPES SHALL BE HIGH DEP N-12 OR EQUAL) OR RCP CLASS IV, UNLESS OTH
I	OR DEMOLITION ACTIVITIES.		ASTM D-1556 OR ASTM-2922. ALL STORM DRAINAGE PIPES SHALL BE HIGH DEM
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PAVEMENT AT SAW CUT LINE WITH RS-1 EW BITUMINOUS CONCRETE. R ALL CONCRETE PADS & SIDEWALKS

CADWAY IMPROVEMENT PLANS. PACTION AT CURB LINE AFTER CONCRETE STRIPPED. COORDINATE WITH BUILDING

RAISED CURB SHALL BE PAINTED YELLOW. IG WITH BUILDING CONTRACTOR. FAINING RETAINING WALL DESIGN FROM WALL O ENGINEER PRIOR TO COMMENCING I ALL LABOR, MATERIALS AND EQUIPMENT ICE WITH DESIGN APPROVED BY THE NTAL BLOCK WALL SYSTEM AS OUTLINED IN

NLESS OTHERWISE NOTED. E CITY OF PORTSMOUTH SHALL BE RECORDED

24 FT ALUMINUM LIGHT POLE WITH 8 FT ARM ORTSMOUTH TO PROVIDE LED FIXTURES. ES TO PROVIDE ALL REQUIRED PROPERTY OUSE NUMBER AS SPECIFIED IN THE E CITY OF PORTSMOUTH PLANNING

MENTING THE APPROVED OPERATION AND ANCE REQUIREMENTS FOR THE PROPOSED SOUTLINED ON SHEET C-103.2. THE N SHALL BE RECORDED AT

INAGE NOTES:

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N ACCORDANCE WITH THE NHDOT STANDARD S, LATEST EDITION. PPED WITH OIL/GAS SEPARATOR HOODS AND

ROL NOTES:

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RIATE UTILITY COMPANY.

AST ASS 52, CEMENT LINED DUCTILE IRON PIPE. ESSURE TESTED AND CHLORINATED AFTER STEM. CONTRACTOR SHALL COORDINATE OF PORTSMOUTH WATER DEPARTMENT. OTHERWISE STATED. BE CONSTRUCTED TO CITY OF PORTSMOUTH

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ALL CONFORM TO THE NATIONAL ELECTRIC STATE AND LOCAL CODES. ES AND CONNECTIONS SHALL BE

5 AND THE APPLICABLE UTILITY COMPANIES. LON PULL ROPES TO FACILITATE PULLING

LL ALL MANHOLES, BOXES, FITTINGS, SCELLANEOUS ITEMS NOT NECESSARILY ISTALLATION OF UTILITIES COMPLETE AND

EDDING, BACKFILL AND COMPACTION FOR

TAL SEPARATION SHALL BE PROVIDED NES. AN 18-INCH MINIMUM OUTSIDE TO VIDED AT ALL WATER/SANITARY SEWER

RUCT PAVEMENT TRENCH PATCH FOR ALL VEMENT AREAS TO REMAIN. LL MEET THE REQUIREMENTS OF THE CITY OF

ON WITH THE CITY OF PORTSMOUTH.

- 16. ALL SEWER PIPE WITH LESS THAN 6' OF COVER SHALL BE INSULATED.
- 17. CONTRACTOR SHALL COORDINATE ALL ELECTRIC WORK INCLUDING BUT NOT LIMITED TO: CONDUIT CONSTRUCTION, MANHOLE CONSTRUCTION, UTILITY POLE CONSTRUCTION,
- OVERHEAD WIRE RELOCATION, AND TRANSFORMER CONSTRUCTION WITH POWER COMPANY. 18. SITE LIGHTING SPECIFICATIONS, CONDUIT LAYOUT AND CIRCUITRY FOR PROPOSED SITE LIGHTING AND SIGN ILLUMINATION SHALL BE PROVIDED BY THE PROJECT ELECTRICAL
- ENGINEER. 19. CONTRACTOR SHALL CONSTRUCT ALL UTILITIES AND DRAINS TO WITHIN 10' OF THE
- FOUNDATION WALLS AND CONNECT THESE TO SERVICE STUBS FROM THE BUILDING.
- 20. FINAL DESIGN FOR ALL ELECTRIC, TELECOMMUNICATIONS, AND GAS WORK SHALL BE COORDINATED WITH THE UTILITY COMPANY AND CITY OF PORTSMOUTH PRIOR TO CONSTRUCTION.
- 21. 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.

LANDSCAPE NOTES:

- 1. THE CONTRACTOR SHALL FURNISH AND PLANT ALL PLANTS IN QUANTITIES AS SHOWN ON THIS PLAN. NO SUBSTITUTIONS WILL BE PERMITTED UNLESS APPROVED BY OWNER. ALL PLANTS SHALL BE NURSERY GROWN.
- 2. ALL PLANTS SHALL BE NURSERY GROWN AND PLANTS AND WORKMANSHIP SHALL CONFORM TO THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS, INCLUDING BUT NOT LIMITED TO SIZE, HEALTH, SHAPE, ETC., AND SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO ARRIVAL ON-SITE AND AFTER PLANTING.
- 3. PLANT STOCK SHALL BE GROWN WITHIN THE HARDINESS ZONES 4 THRU 7 ESTABLISHED BY THE PLANT HARDINESS ZONE MAP, MISCELLANEOUS PUBLICATIONS NO. 814, AGRICULTURAL RESEARCH SERVICE, UNITED STATES DEPARTMENT AGRICULTURE, LATEST REVISION.
- 4. PLANT MATERIAL SHALL BARE THE SAME RELATIONSHIP TO FINISHED GRADE AS TO THE ORIGINAL PLANTING GRADE PRIOR TO DIGGING.
- 5. THE NUMBER OF EACH INDIVIDUAL PLANT TYPE AND SIZE PROVIDED IN THE PLANT LIST OR ON THE PLAN IS FOR THE CONTRACTOR'S CONVENIENCE ONLY. IF A DISCREPANCY EXISTS BETWEEN THE NUMBER OF PLANTS ON THE LABEL AND THE NUMBER OF SYMBOLS SHOWN ON THE DRAWINGS, THE GREATER NUMBER SHALL APPLY.
- 6. NO SUBSTITUTION OF PLANT MATERIALS WILL BE ALLOWED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL LOCATE, VERIFY AND MARK ALL EXISTING AND NEWLY INSTALLED UNDERGROUND UTILITIES PRIOR TO ANY LAWN WORK OR PLANTING. ANY CONFLICTS WHICH MIGHT OCCUR BETWEEN PLANTING AND UTILITIES SHALL IMMEDIATELY BE REPORTED TO THE OWNER SO THAT ALTERNATE PLANTING LOCATIONS CAN BE DETERMINED.
- ALL DISTURBED AREAS NOT TO BE PAVED OR OTHERWISE TREATED, SHALL RECEIVE 6" OF LOAM AND SEED. NO FILL SHALL BE PLACED IN ANY WETLAND AREA.
- 9. THREE INCHES (3") OF UNTREATED BARK MULCH IS TO BE USED AROUND THE TREE AND SHRUB PLANTING AS SPECIFIED IN THE DETAILS. WHERE BARK MULCH IS TO BE USED IN A CURBED ISLAND THE BARK MULCH SHALL MEET THE TOP INSIDE EDGE OF THE CURB. ALL OTHER AREAS SHALL RECEIVE 6" INCHES OF LOAM AND SEED
- 10. SEE PLANTING DETAILS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- 11. TREE STAKES SHALL REMAIN IN PLACE FOR NO LESS THAN 6 MONTHS AND NO MORE THAN 1 YFAR.
- 12. PLANTING SHALL BE COMPLETED FROM APRIL 15TH THROUGH OCTOBER 1ST. NO PLANTING DURING JULY AND AUGUST UNLESS SPECIAL PROVISIONS ARE MADE FOR DROUGHT.
- 13. PARKING AREA PLANTED ISLANDS TO HAVE MINIMUM OF 1'-0" TOPSOIL PLACED TO WITHIN 3 INCHES OF THE TOP OF CURB ELEVATION. REMOVE ALL CONSTRUCTION DEBRIS BEFORE PLACING TOPSOIL
- 14. TREES SHALL BE PRUNED IN ACCORDANCE WITH THE LATEST EDITION OF ANSI A300 'TREES, SHRUBS AND OTHER WOOD PLANT MAINTENANCE STANDARD PRACTICES.
- 15. ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24 HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL BE WATERED WEEKLY, OR MORE OFTEN, IF NECESSARY DURING THE FIRST GROWING SEASON. LANDSCAPE CONTRACTOR SHALL COORDINATE WATERING SCHEDULE WITH OWNER DURING THE ONE (1) YEAR GUARANTEE PERIOD.
- 16. EXISTING TREES AND SHRUBS SHOWN ON THE PLAN ARE TO REMAIN UNDISTURBED. ALL EXISTING TREES AND SHRUBS SHOWN TO REMAIN ARE TO BE PROTECTED WITH A 4-FOOT SNOW FENCE PLACED AT THE DRIP LINE OF THE BRANCHES OR AT 8 FEET MINIMUM FROM THE TREE TRUNK. ANY EXISTING TREE OR SHRUB SHOWN TO REMAIN, WHICH IS REMOVED DURING CONSTRUCTION, SHALL BE REPLACED BY A TREE OF COMPARABLE SIZE AND SPECIES TREE OR SHRUB.
- 17. THE CONTRACTOR SHALL GUARANTEE ALL PLANTINGS TO BE IN GOOD HEALTHY, FLOURISHING AND ACCEPTABLE CONDITION FOR A PERIOD OF ONE (1) YEAR BEGINNING AT THE DATE OF ACCEPTANCE OF SUBSTANTIAL COMPLETION. ALL GRASSES, TREES AND SHRUBS THAT, IN THE OPINION OF THE LANDSCAPE ARCHITECT, SHOW LESS THAN 80% HEALTHY GROWTH AT THE END OF ONE YEAR PERIOD SHALL BE REPLACED BY THE CONTRACTOR.
- 18. UPON EXPIRATION OF THE CONTRACTOR'S ONE YEAR GUARANTEE PERIOD, THE OWNER SHALL BE RESPONSIBLE FOR LANDSCAPE MAINTENANCE INCLUDING WATERING DURING PERIODS OF DROUGHT
- 19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PLANTING AND LAWNS AGAINST DAMAGE FROM ONGOING CONSTRUCTION. THIS PROTECTION SHALL BEGIN AT THE TIME THE PLANT IS INSTALLED AND CONTINUE UNTIL THE FORMAL ACCEPTANCE OF ALL THE PLANTINGS.
- 20. PRE-PURCHASE PLANT MATERIAL AND ARRANGE FOR DELIVERY TO MEET PROJECT SCHEDULE AS REQUIRED IT MAY BE NECESSARY TO PRE-DIG CERTAIN SPECIES WELL IN ADVANCE OF ACTUAL PLANTING DATES.

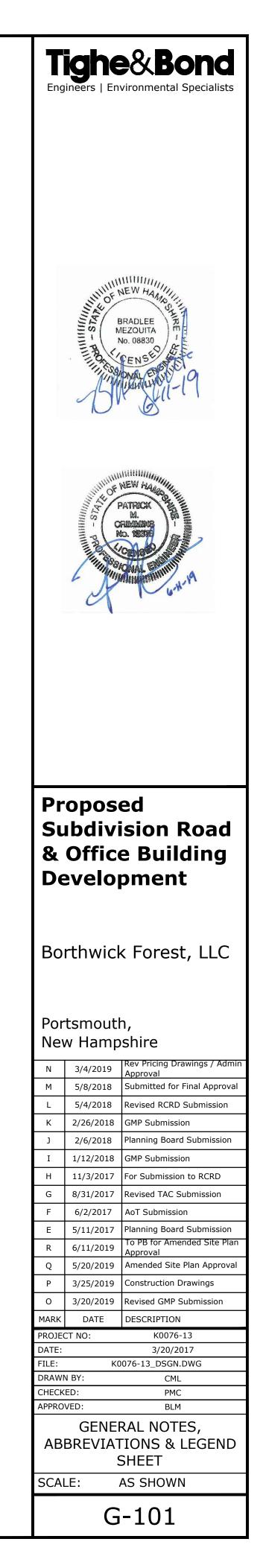
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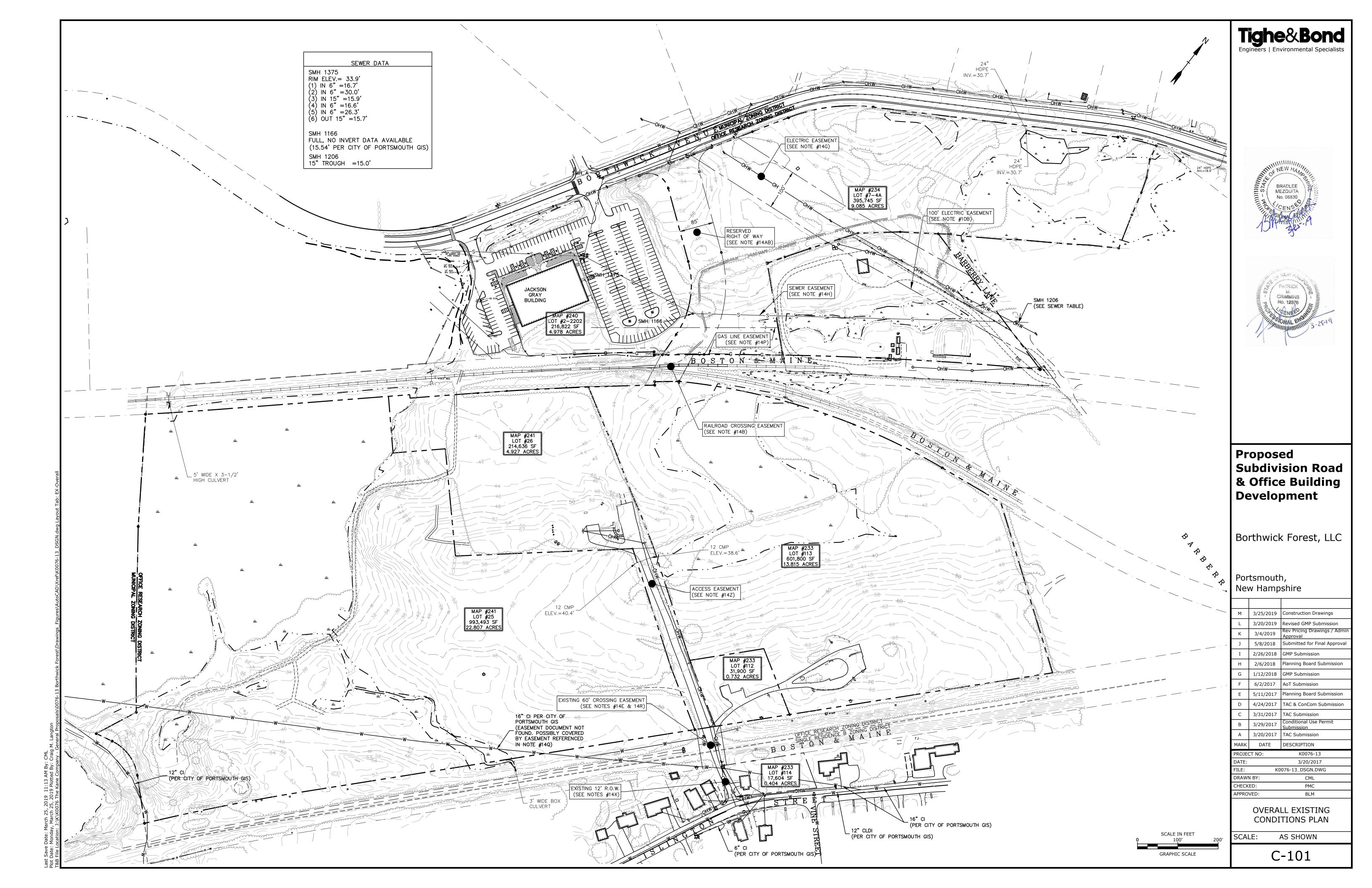
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AC	ACRES	NRCC	CLIMATE CENTER
	AMERICANS WITH	NRCS	NATURAL RESOURCES
ADA	DISABILITIES ACT		CONSERVATION SERVICE
AGGR	AGGREGATE	OC	ON CENTER
AOT	ALTERATION OF TERRIAN	OD	OUTSIDE DIAMETER
BLDG	BUILDING	PAD	PROPOSED AREA DRAIN
BMP(S)	BEST MANAGEMENT	PC	POINT OF CURVATURE
Dini (3)	PRACTICE(S)	PCB	PROPOSED CATCH BASIN
BOC	BOTTOM OF CURB	PDMH	PROPOSED DRAINAGE
BOW	BOTTOM OF WALL	DI	MANHOLE
CB	CATCH BASIN	PI	POINT OF INTERSECTION PROPOSED OUTLET
CCB	CAPE COD BERM	POS	STRUCTURE
CMP	CORRUGATED METAL PIPE	PROP	PROPOSED
CONST	CONSTRUCT	PSMH	PROPOSED SEWER MANHOLE
COORD	COORDINATE	PT	POINT OF TANGENCY
DIA	DIAMETER	PVC	POLYVINYL CHLORIDE
DIP	DUCTILE IRON PIPE	PVMT	PAVEMENT
DMH	DRAINAGE MANHOLE	PYD	PROPOSED YARD DRAIN
DWG	DRAWING	R	RADIUS
ELEV	ELEVATION	RCP	REINFORCED CONCRETE PIPE
EP	EDGE OF PAVEMENT	RL	ROOF LEADER
EXIST	EXISTING	ROW	RIGHT OF WAY
FES	FLARED END SECTION	SF	SQUARE FEET
FF	FINISHED FLOOR	SSSNNE	SOCIETY OF SOIL SCIENTISTS
HDPE	HIGH DENSITY POLYETHYLENE	SSSININE	OF NORTHERN NEW ENGLAND
HMA	HOT MIX ASPHALT	STD	STANDARD
HMP	HOT MIX PAVEMENT	TBR	TO BE REMOVED
HW	HEADWALL	TOC	TOP OF CURB
HYD	HYDRANT	TOW	TOP OF WALL
ID	INSIDE DIAMETER	TYP	TYPICAL
INV	INVERT	UD	UNDERDRAIN
L	LENGTH	USCS	UNIFIED SOIL CLASSIFICATION
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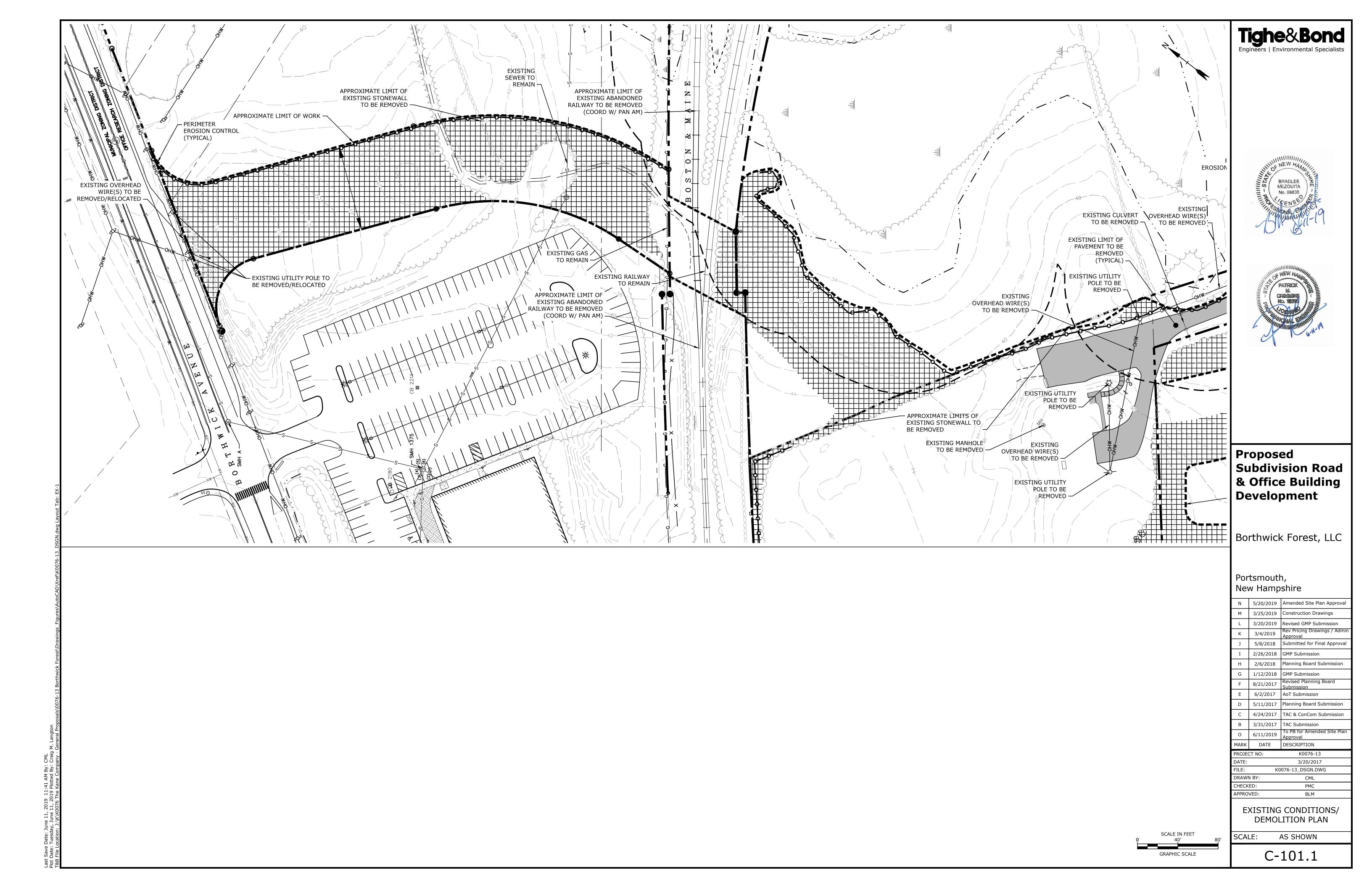
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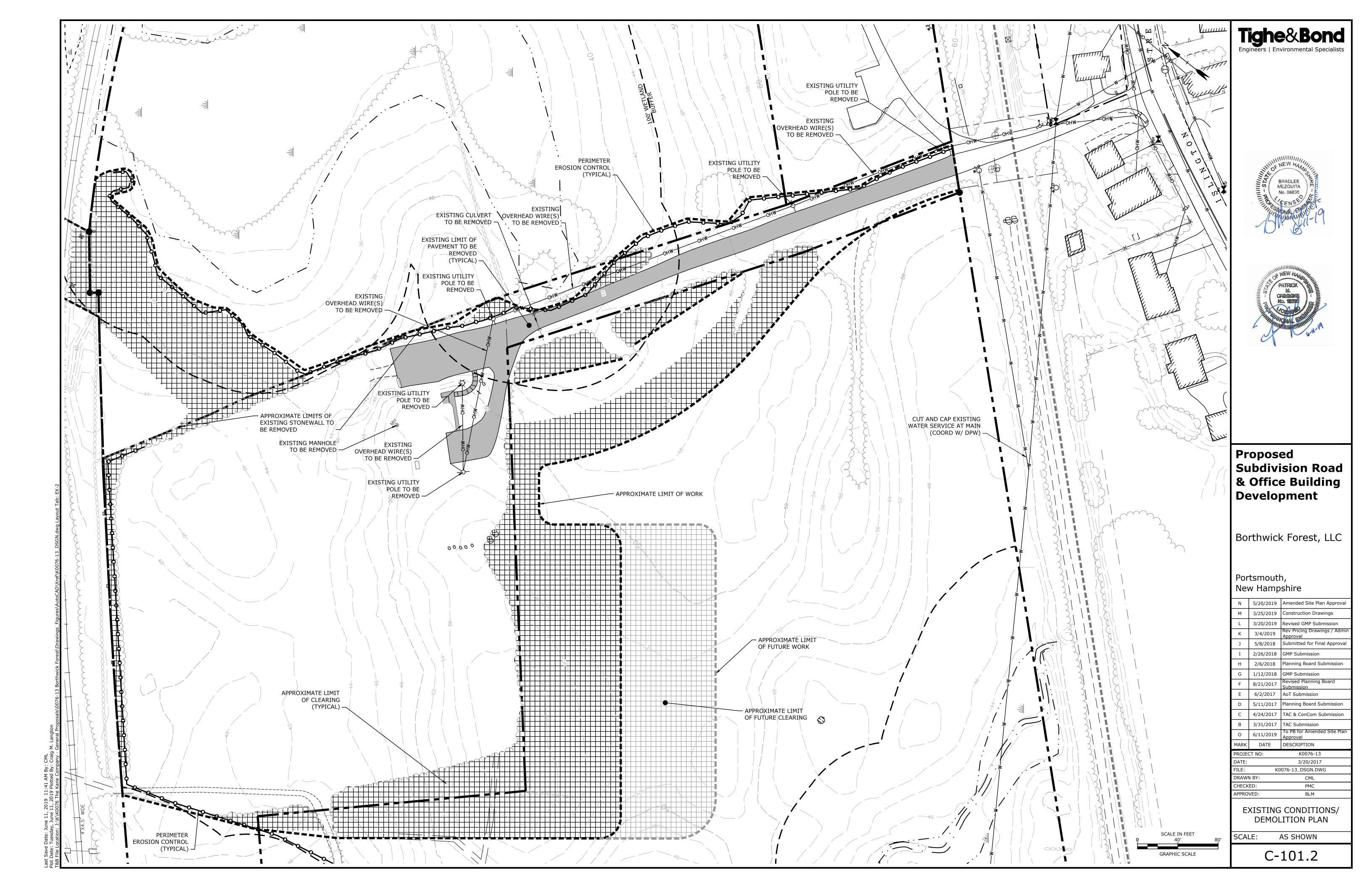
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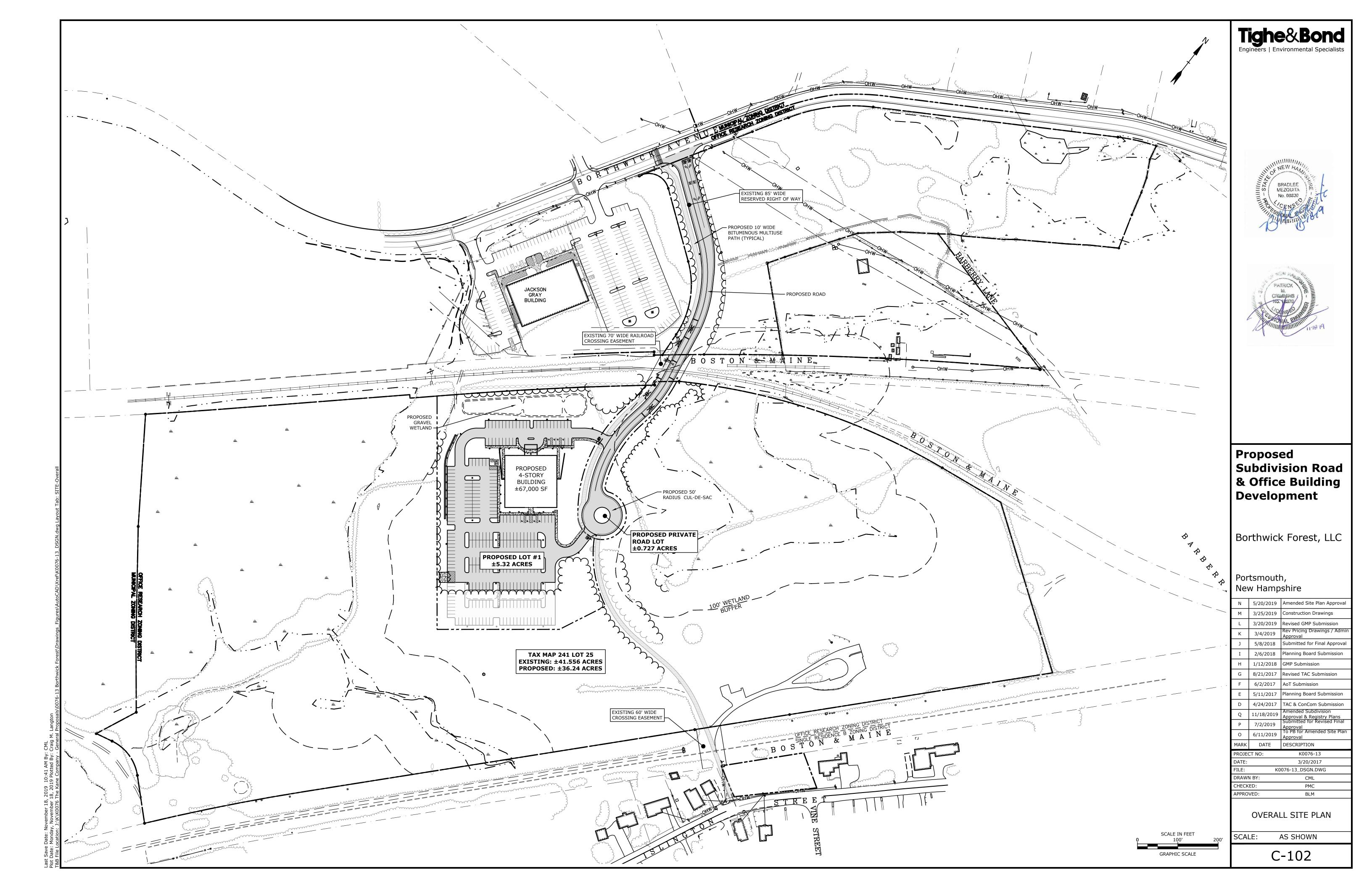
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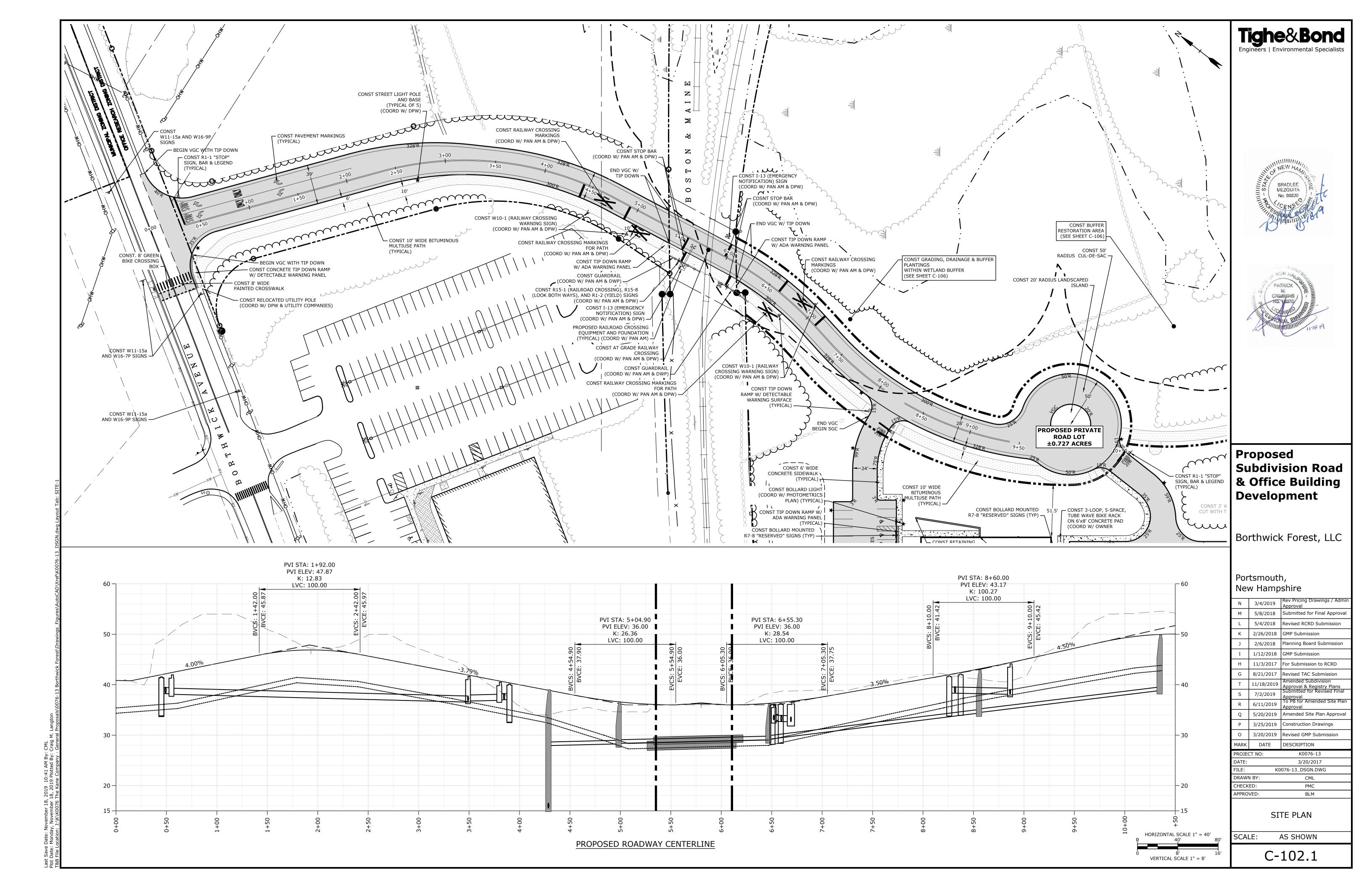


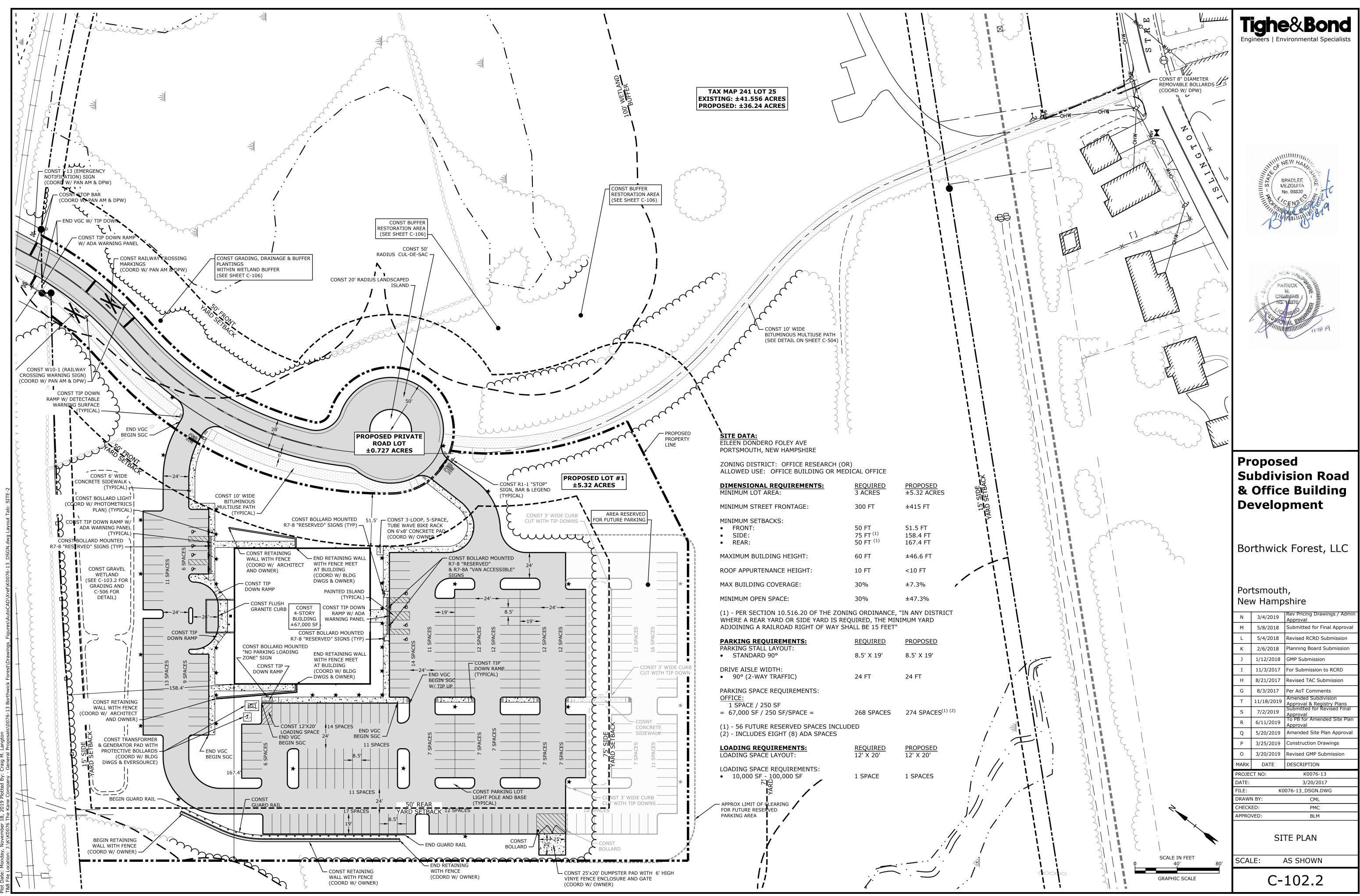




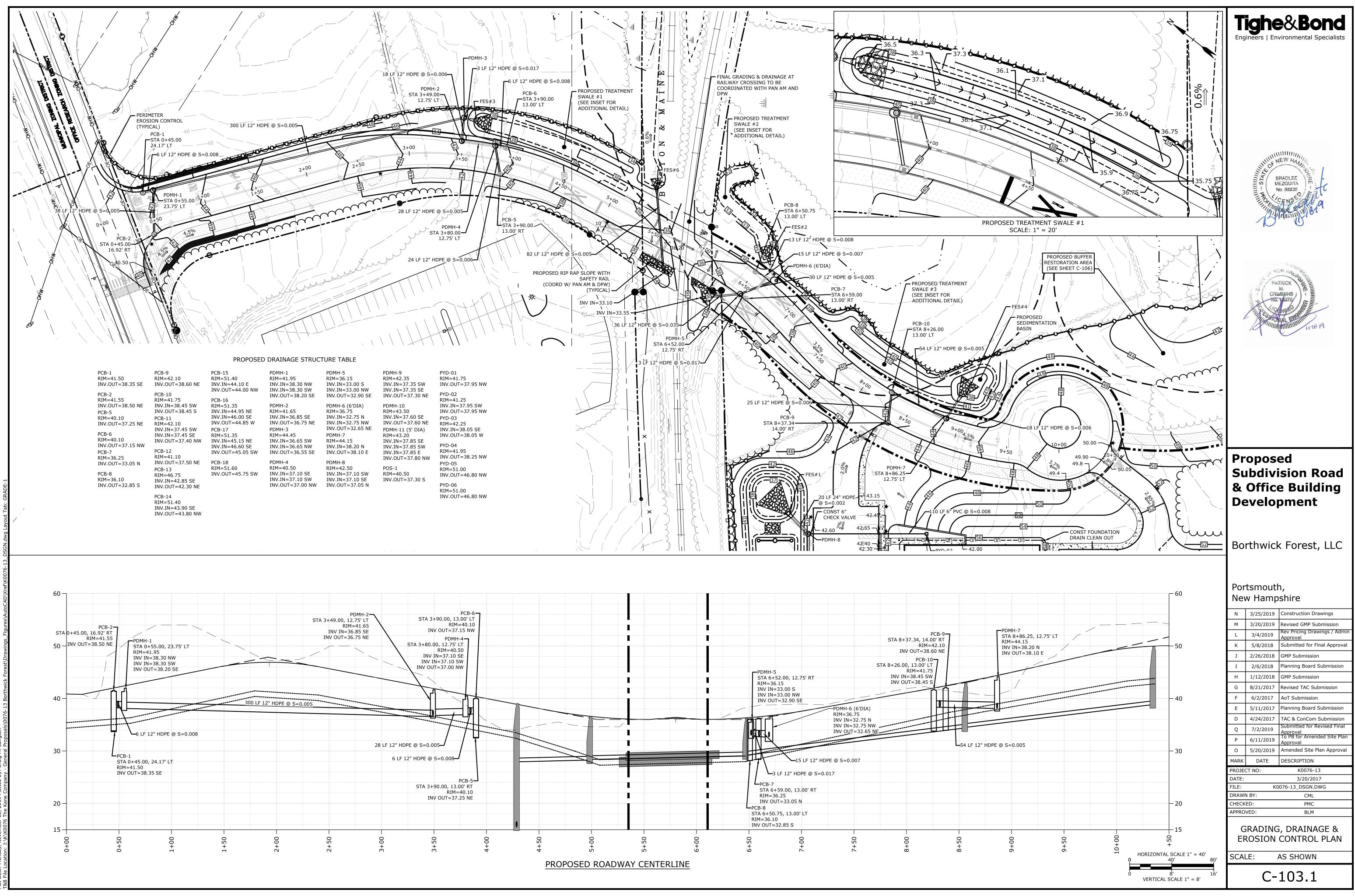




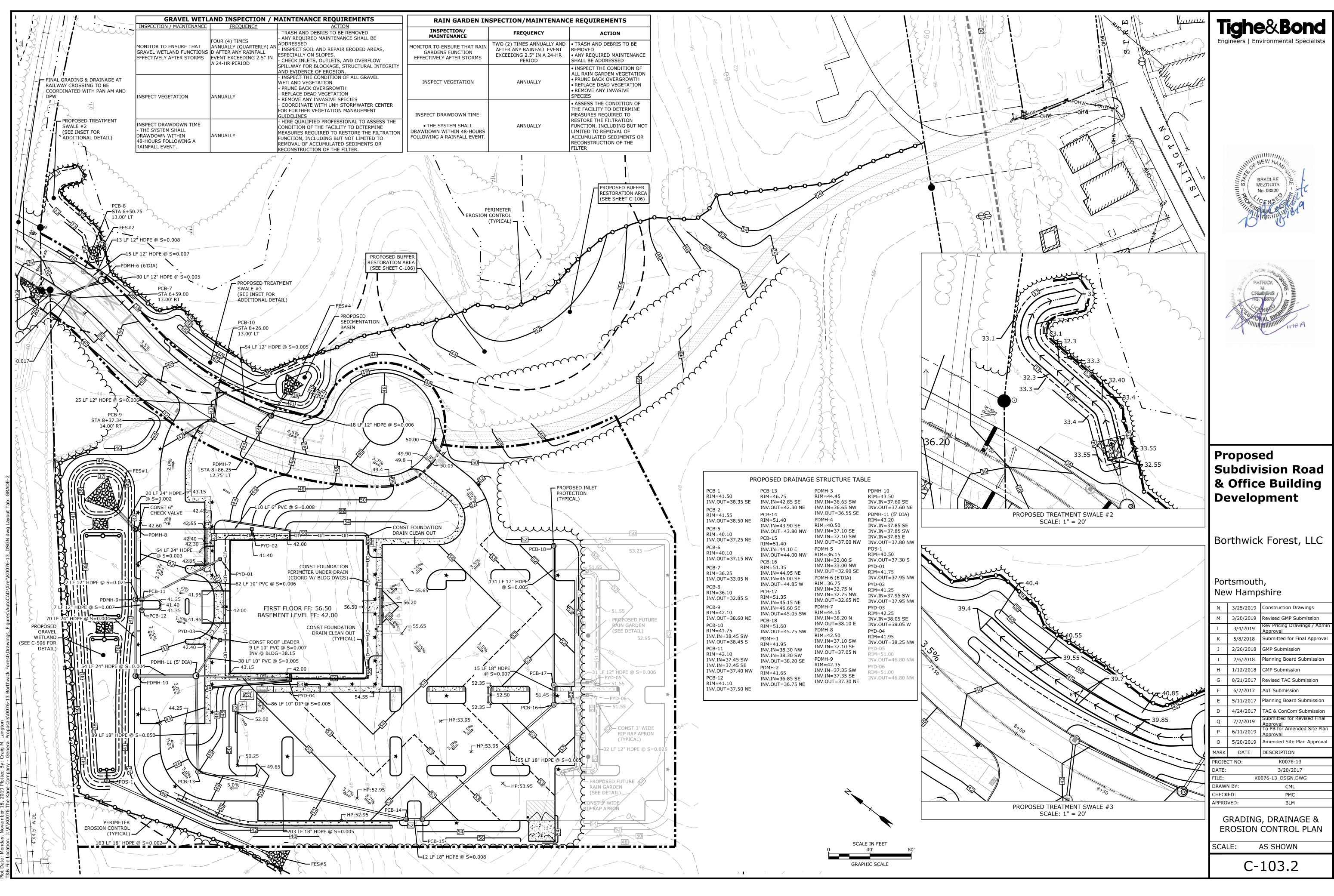


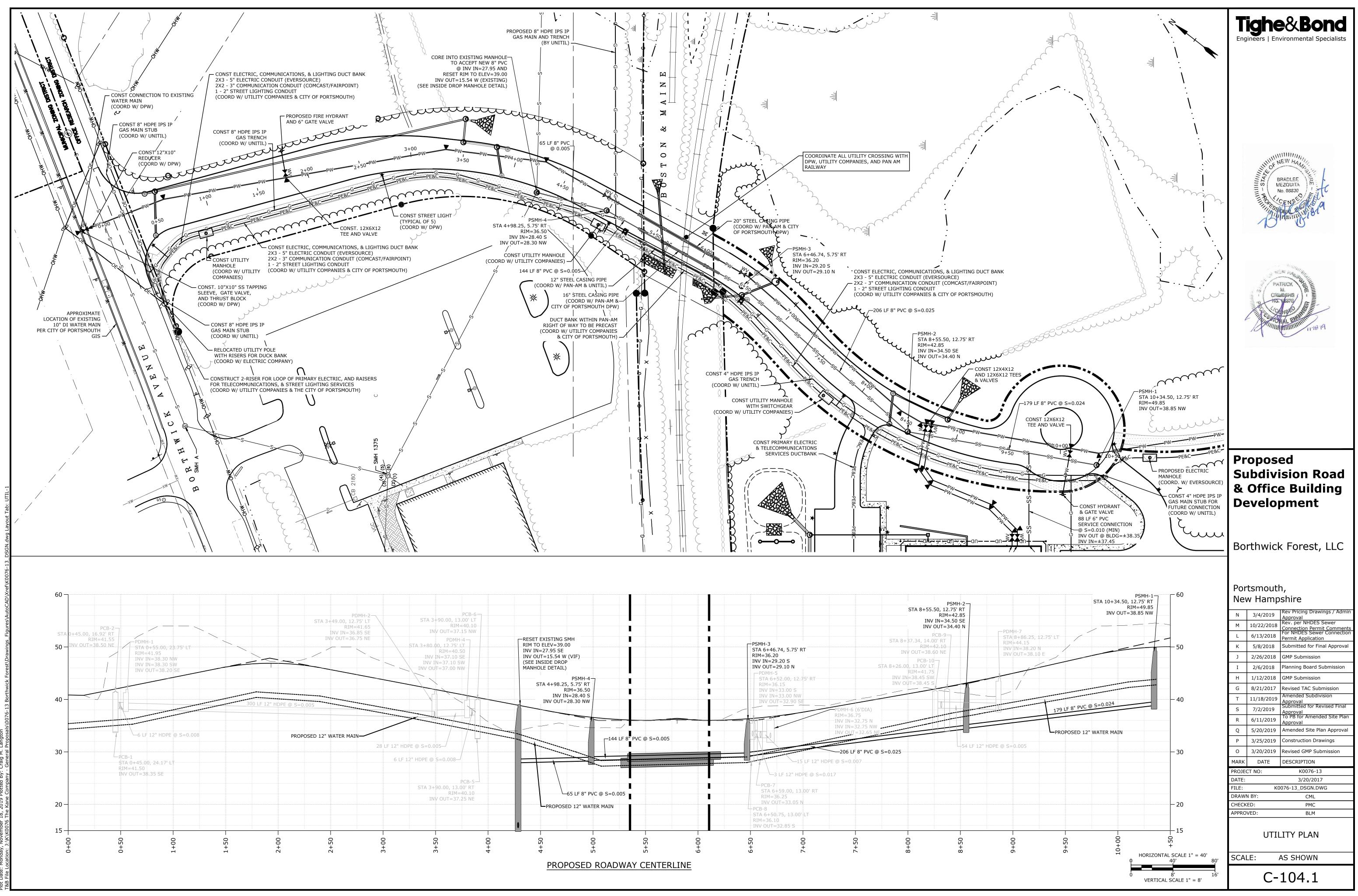


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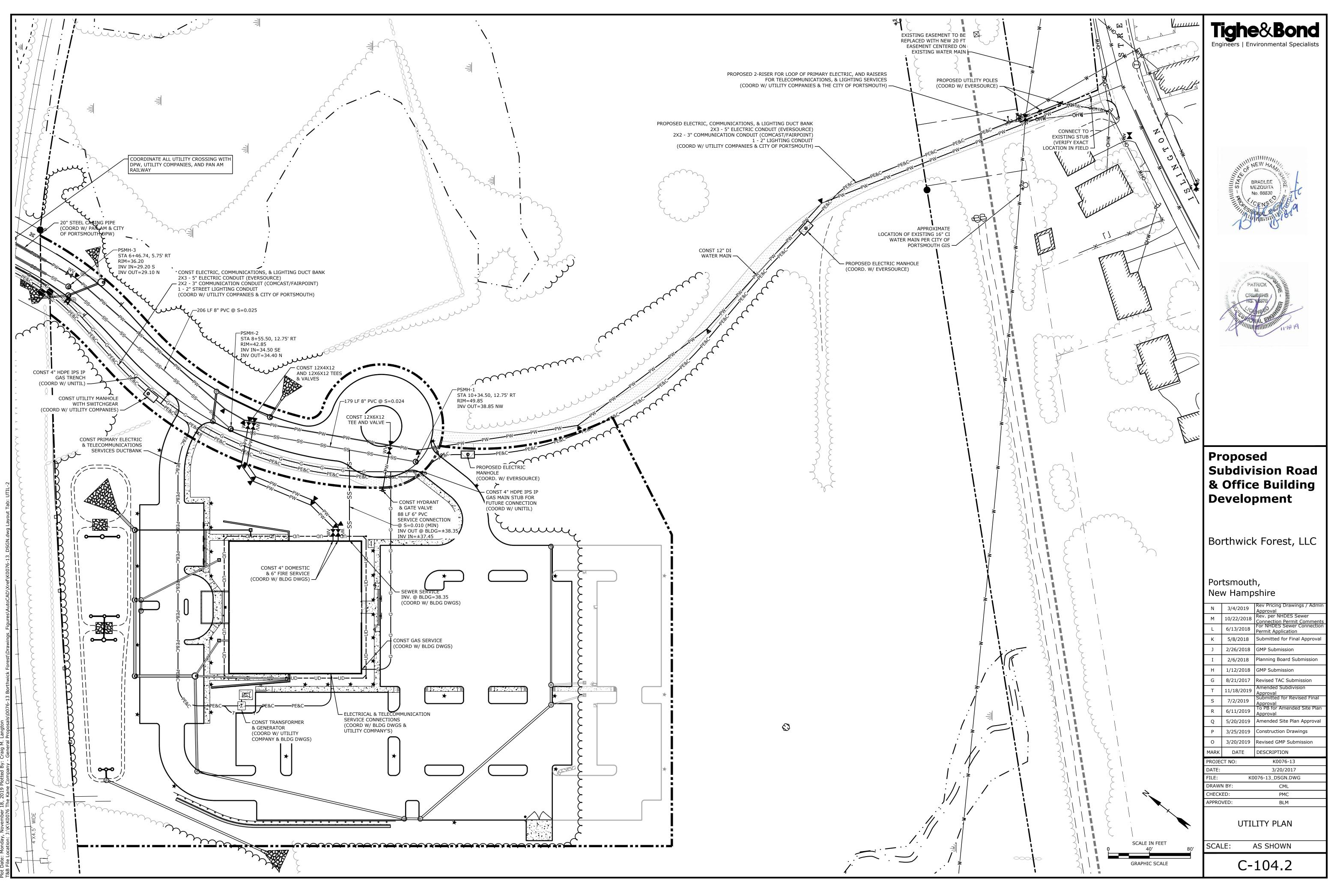


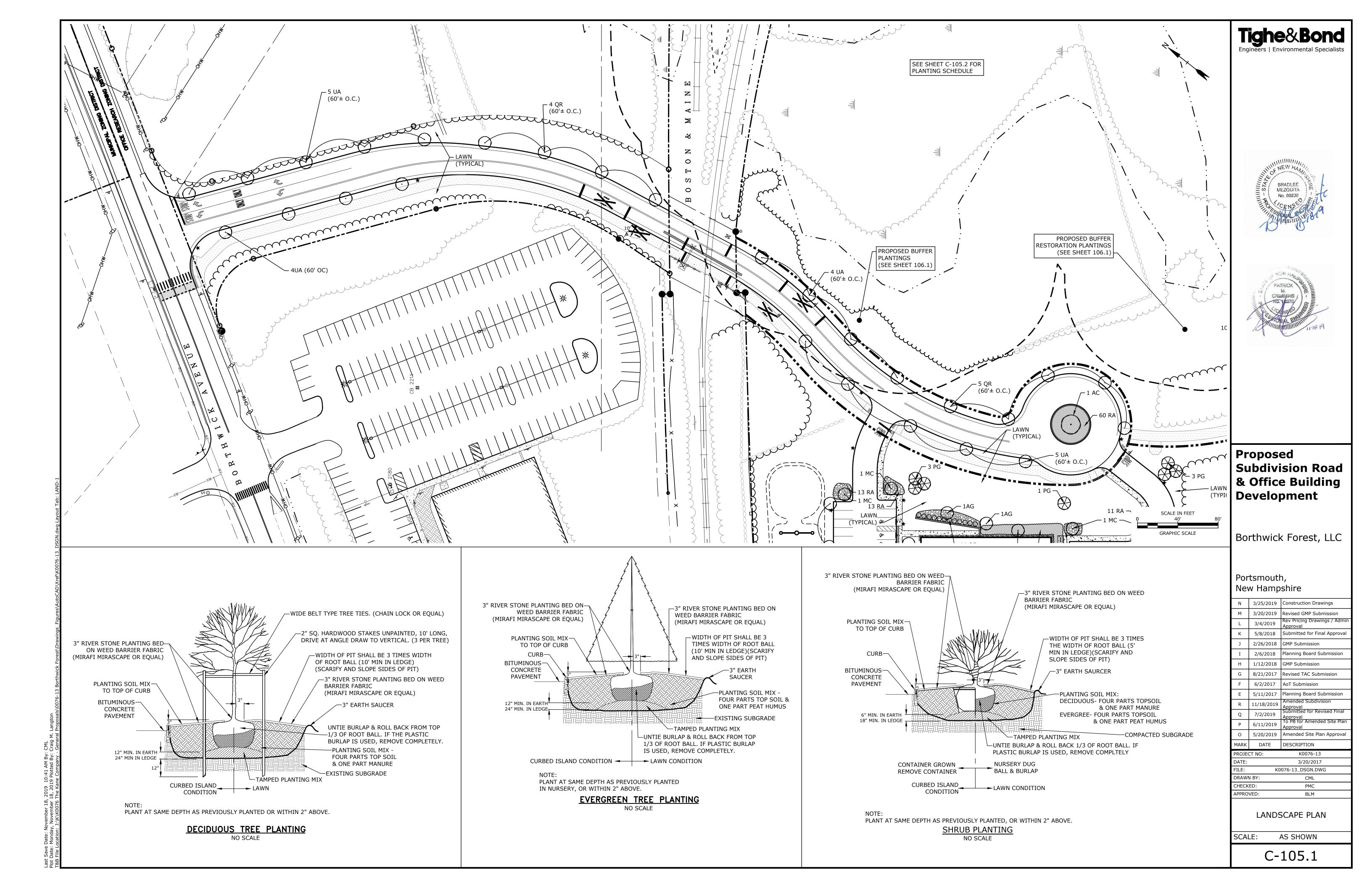
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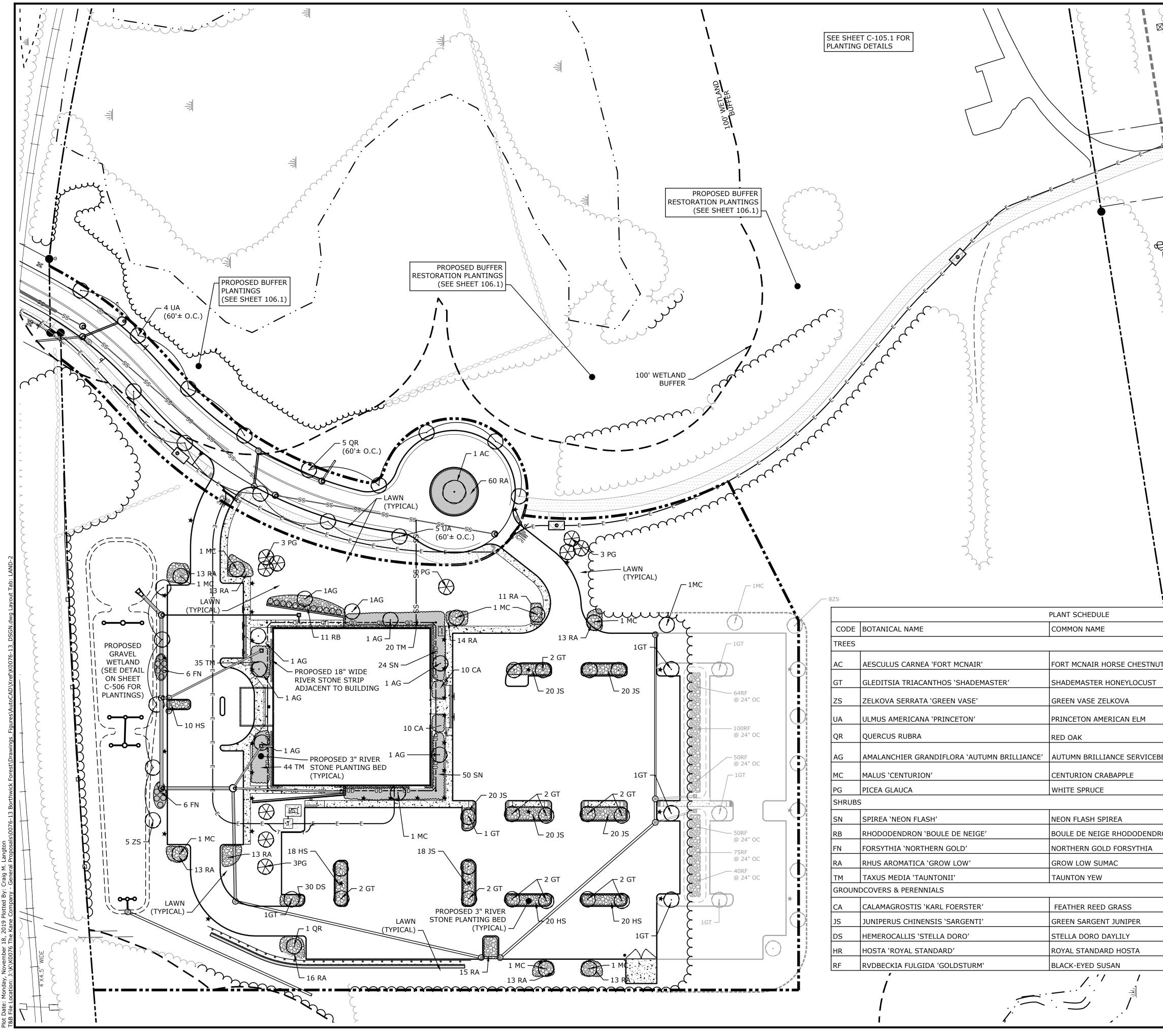
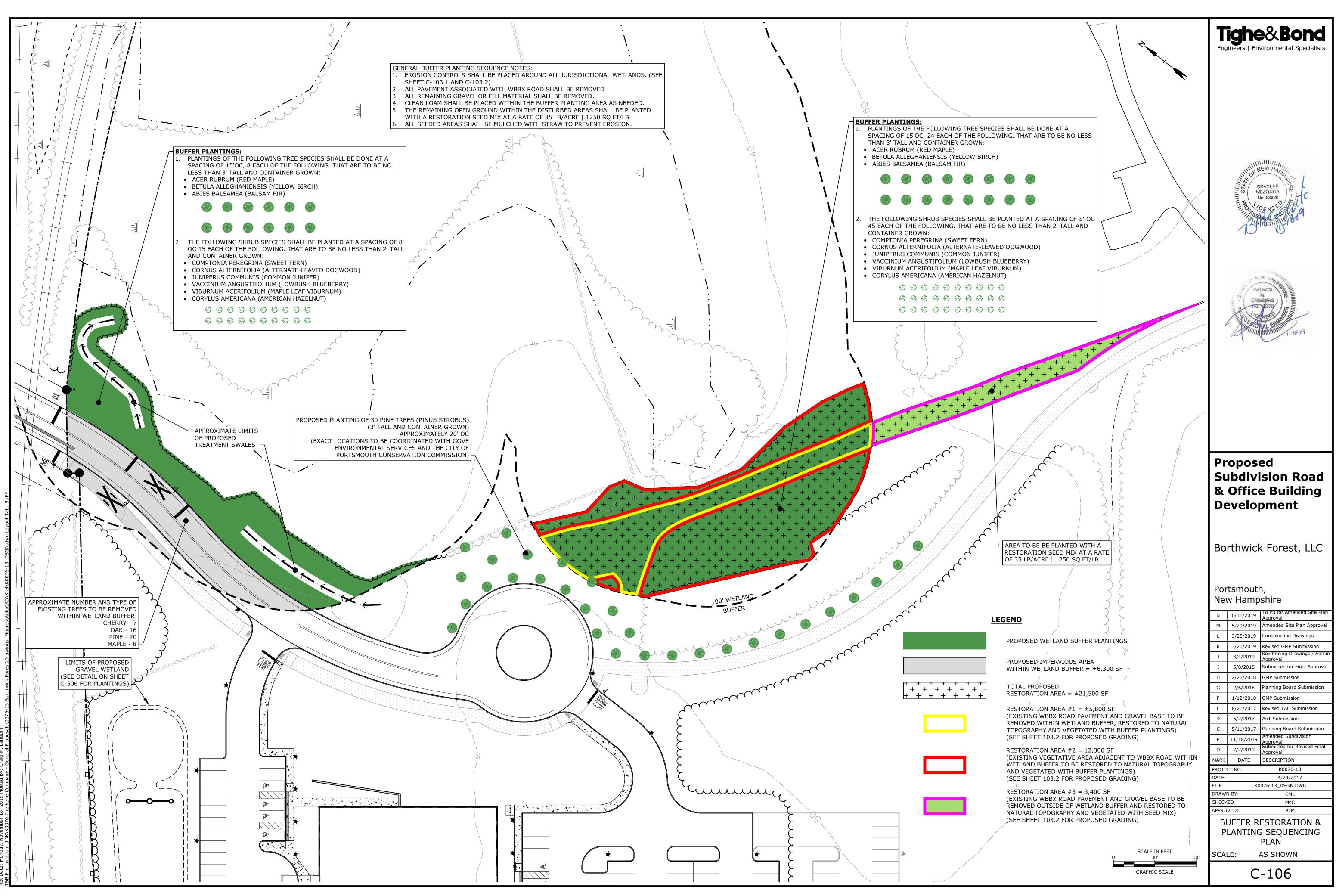
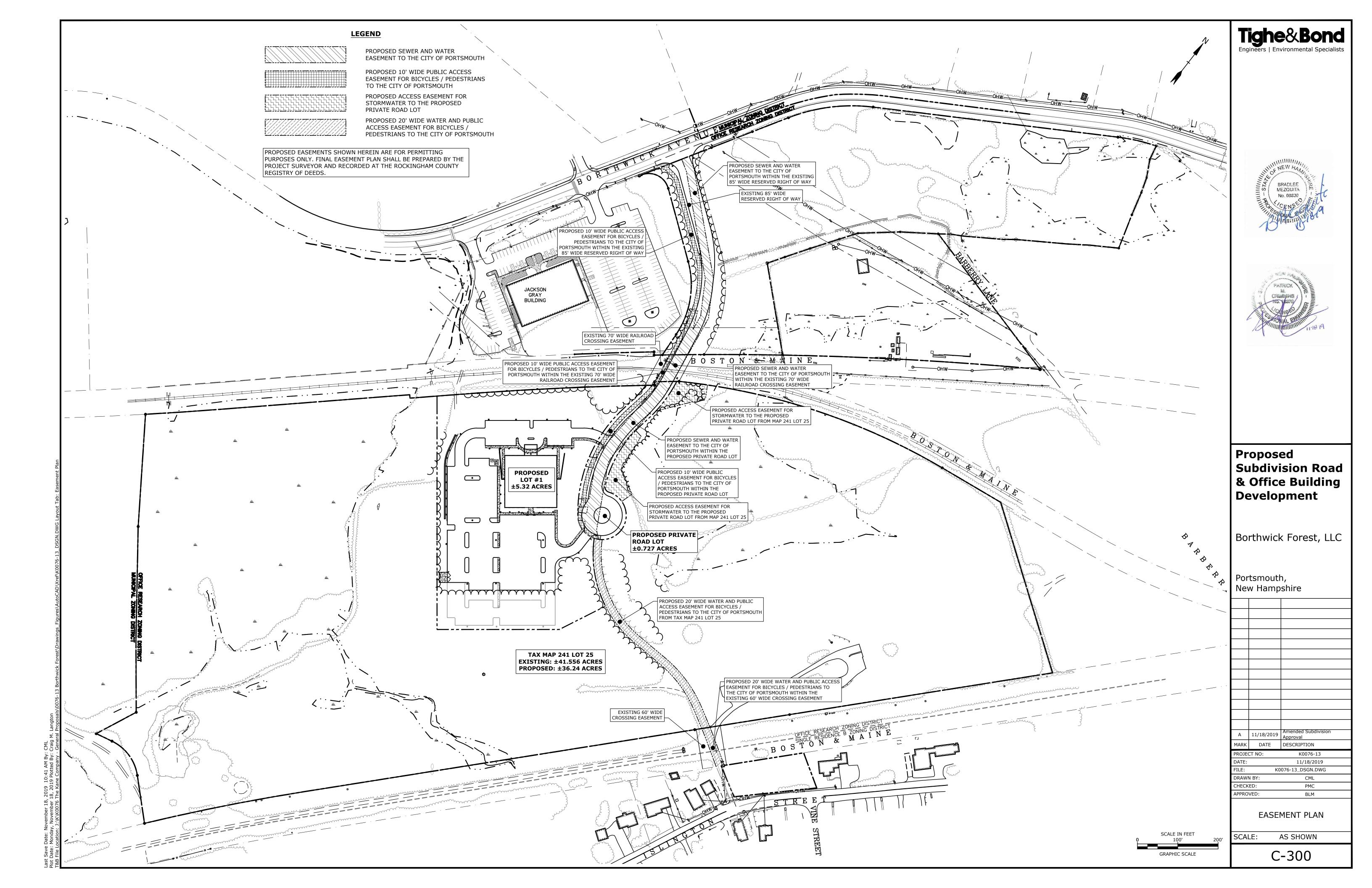


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GRAPHIC SCALE C-105.2		· .		40' 80'	SCALE: AS SHOWN





GENERAL PROJECT INFORMATION BORTHWICK FOREST, LLC c/o THE KANE COMPANY PROJECT OWNER:

210 COMERCE WAY PROJECT NAME:

PROPOSED SUBDIVISION ROAD & OFFICE BUILDING DEVELOPMENT PROJECT ADDRESS: BORTHWICK AVENUE PORTSMOUTH, NEW HAMPSHIRE 03801

PORTSMOUTH, NEW HAMPSHIRE 03801

PROJECT LATITUDE: 43°-08'-14"N PROJECT LONGITUDE: 70°-56'-22"W

PROJECT DESCRIPTION

THE PROJECT CONSISTS OF APPROXIMATELY 1,100 LF OR ROADWAY AS WELL AS A 3 STORY 50,000 SF OFFICE BUILDING WITH ASSOCIATED SITE IMPROVEMENTS THE WORK IS ANTICIPATED TO START IN SPRING OF 2018, AND BE COMPLETED BY WINTER OF 2019.

DISTURBED AREA

THE TOTAL AREA TO BE DISTURBED IS APPROXIMATELY 7 ACRES.

SOIL CHARACTERISTICS BASED ON THE NRCS WEB SOIL SURVEY FOR THE SOILS ON SITE CONSIST OF

CHATFIELD-HOLLIS-CANTON COMPLEX AND URBAN LAND SOILS WHICH ARE MODERATELY DRAINED SOILS.

NAME OF RECEIVING WATERS

THE STORM WATER RUNOFF WILL ULTIMATELY DISCHARGE INTO AN UNNAMED WETLAND. PRIOR TO DISCHARGING TO THE WETLAND, STORMWATER RUNOFF WILL BE COLLECTED AND TREATED BY VARIOUS TREATMENT SWALES, SEDIMENTATION BASINS AND A GRAVEL WETLAND.

CONSTRUCTION SEQUENCE OF MAJOR ACTIVITIES:

CUT AND CLEAR TREES. 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: NEW CONSTRUCTION

- DEVELOPMENT OF BORROW PIT AREAS
- DISPOSAL OF SEDIMENT SPOIL, STUMP AND OTHER SOLID WASTE
- FLOOD PLAIN EXCAVATION WORK STREAM CHANNEL MODIFICATIONS
- CONTROL OF DUST
- CONSTRUCTION OF ACCESS AND HAUL ROAD
- NEARNESS OF CONSTRUCTION SITE TO RECEIVING WATERS
- CONSTRUCTION DURING LATE WINTER AND EARLY SPRING CLEAR AND DISPOSE OF DEBRIS.
- CONSTRUCT TEMPORARY CULVERTS AND DIVERSION CHANNELS AS REQUIRED
- 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.
- GRADE AND GRAVEL ROADWAYS AND PARKING AREAS ALL ROADS AND PARKING AREA SHALL BE
- STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE. 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.
- FINISH PAVING ALL ROADWAYS AND PARKING LOTS.
- INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES.
- COMPLETE PERMANENT SEEDING AND LANDSCAPING.
- 0. REMOVE TRAPPED SEDIMENTS FROM COLLECTOR DEVICES AS APPROPRIATE AND THEN REMOVE TEMPORARY EROSION CONTROL MEASURES.

SPECIAL CONSTRUCTION NOTES:

- THE CONSTRUCTION SEQUENCE MUST LIMIT THE DURATION AND AREA OF DISTURBANCE.
- 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 LOT DISTURBANCE, OTHER THAN THAT SHOWN ON THE APPROVED PLANS, SHALL NOT COMMENCE
- UNTIL AFTER THE ROADWAY HAS THE BASE COURSE TO DESIGN ELEVATION AND THE ASSOCIATED DRAINAGE IS COMPLETE AND STABLE. - THIS NOTE IS APPLICABLE TO SINGLE/DUPLEX FAMILY SUBDIVISIONS, WHEN LOT DEVELOPMENT IS NOT PART OF THE PERMIT.

EROSION CONTROL NOTES:

- ALL EROSION CONTROL MEASURES AND PRACTICES SHALL CONFORM TO THE "NEW HAMPSHIR STORMWATER MANUAL VOLUME 3: EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION PREPARED BY THE NHDES.
- PRIOR TO ANY WORK OR SOIL DISTURBANCE, CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR EROSION CONTROL MEASURES AS REQUIRED IN THE PROJECT MANUAL.
- CONTRACTOR SHALL INSTALL TEMPORARY EROSION CONTROL BARRIERS, INCLUDING HAY BALES, SILT FENCES, MULCH BERMS, SILT SACKS AND SILT SOCKS AS SHOWN IN THESE DRAWINGS AS THE FIRST ORDER OF WORK.
- SILT SACK 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.
- 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.
- THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL TEMPORARY EROSION CONTROL DEVICES UPON COMPLETION OF CONSTRUCTION.
- ALL DISTURBED AREAS NOT OTHERWISE BEING TREATED SHALL RECEIVE 6" LOAM, SEED AND FERTILIZER. 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.
- CONSTRUCT EROSION CONTROL BLANKETS ON ALL SLOPES STEEPER THAN 3:1.

STABILIZATION:

- AN AREA SHALL BE CONSIDERED STABLE WHEN ONE OF THE FOLLOWING HAS OCCURRED: A. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED; B. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
- C. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED;
- D. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.;
- E. IN AREAS TO BE PAVED, "STABLE" MEANS THAT BASE COURSE GRAVELS MEETING THE REQUIREMENTS OF NHDOT STANDARD FOR ROAD AND BRIDGE CONSTRUCTION, 2016, ITEM 304.2 HAVE BEEN INSTALLED.
- WINTER STABILIZATION PRACTICES: 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;
- 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; AFTER NOVEMBER 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; 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: A. TEMPORARY SEEDING; B. MULCHING.
- 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

- 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.
- FROM THE SITE TO ABUTTING AREAS.

- 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

OFF SITE VEHICLE TRACKING:

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

VEGETATION

- 1. TEMPORARY GRASS COVER
- A. SEEDBED PREPARATION TONS PER ACRE;
- B. SEEDING: a. UTILIZE ANNUAL RYE GRASS AT A RATE OF 40 LBS/ACRE;
- 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 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
- FERTILIZER;
- 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, SHALL BE SOWN IN ONE DIRECTION AND THE OTHER HALF AT RIGHT ANGLES TO THE 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, NOXIOUS WEEDS REMOVED;
- n. A GRASS SEED MIXTURE CONTAINING THE FOLLOWING SEED REQUIREMENTS SHALL BE APPLIED AT THE INDICATED RATE:
 - SEED MIX APPLICATION RATE CREEPING RED FESCUE 50 LBS/ACRE KENTUCKY BLUEGRASS 100 LBS/ACRE PERENNIAL RY GRASS 50 LBS/ACRE
- 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:

- 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;
- 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: FIRE-FIGHTING ACTIVITIES;

FIRE HYDRANT FLUSHING;

12. LANDSCAPE IRRIGATION.

IN A DUMPSTER

WASTE DISPOSAL

WASTE MATERIA

2. HAZARDOUS WASTE:

3. SANITARY WASTE:

- WATERS USED TO WASH VEHICLES WHERE DETERGENTS ARE NOT USED;
- WATER USED TO CONTROL DUST; POTABLE WATER INCLUDING UNCONTAMINATED WATER LINE FLUSHING;
- 5. ROUTINE EXTERNAL BUILDING WASH DOWN WHERE DETERGENTS ARE NOT USED;
- 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;

DISPOSAL BY THE SUPERINTENDENT.

3. DUST CONTROL MEASURES SHALL BE UTILIZED SO AS TO PREVENT THE MIGRATION OF DUST

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

MIGRATION OF MATERIAL BEYOND THE IMMEDIATE CONFINES OF THE STOCKPILES.

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)

b. WHERE THE SOIL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS, LOOSEN SOIL TO

SOIL SURFACE SHOULD BE COVERED BY VEGETATION. IF ANY EVIDENCE OF EROSION OR

SURFACE. FERTILIZER APPLICATION RATE SHALL BE 800 POUNDS PER ACRE OF 10-20-20

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

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 ORIGINAL DIRECTION. IT SHALL BE LIGHTLY RAKED INTO THE SOIL TO A DEPTH NOT OVER

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

THE CONTRACTOR SHALL PROTECT AND MAINTAIN THE SEEDED AREAS UNTIL ACCEPTED

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

THE FOLLOWING ARE THE ONLY NON-STORMWATER DISCHARGES ALLOWED. ALL OTHER

C. CONTRACTOR SHALL LOCATE WASHOUT AREAS AT LEAST 150 FEET AWAY FROM STORM

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

B. NO CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ON SITE; C. ALL PERSONNEL SHALL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR 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.

A. ALL SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONCE

- PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR. SPILL PREVENTION 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: A. GOOD HOUSEKEEPING - THE FOLLOWING GOOD HOUSEKEEPING PRACTICE SHALL BE FOLLOWED ON SITE DURING CONSTRUCTION: a. ONLY SUFFICIENT AMOUNTS OF PRODUCTS TO DO THE JOB SHALL BE STORED ON SITE; 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; c. MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED; d. THE SITE SUPERINTENDENT SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS; e. SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER; f. WHENEVER POSSIBLE ALL OF A PRODUCT SHALL BE USED UP BEFORE DISPOSING OF THE CONTAINER. B. HAZARDOUS PRODUCTS - THE FOLLOWING PRACTICES SHALL BE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS: g. PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE; h. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHALL BE RETAINED FOR IMPORTANT PRODUCT INFORMATION; SURPLUS PRODUCT THAT MUST BE DISPOSED OF SHALL BE DISCARDED ACCORDING TO THE MANUFACTURER'S RECOMMENDED METHODS OF DISPOSAL. C. PRODUCT SPECIFIC PRACTICES - THE FOLLOWING PRODUCT SPECIFIC PRACTICES SHALL BE FOLLOWED ON SITE: a. PETROLEUM PRODUCTS: ALL ON SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE LEAKAGE; 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. b. FERTILIZERS FERTILIZERS USED SHALL BE APPLIED ONLY IN THE MINIMUM AMOUNTS DIRECTED BY THE SPECIFICATIONS; ONCE APPLIED FERTILIZER SHALL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER 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. c. PAINTS: ALL CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR EXCESS PAINT SHALL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM; EXCESS PAINT SHALL BE DISPOSED OF PROPERLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS. 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: 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; 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 c. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY; 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;
 - e. SPILLS OF TOXIC OR HAZARDOUS MATERIAL SHALL BE REPORTED TO THE APPROPRIATE LOCAL, STATE OR FEDERAL AGENCIES AS REQUIRED;
- f. THE SITE SUPERINTENDENT RESPONSIBLE FOR DAY-TO-DAY SITE OPERATIONS SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. E. VEHICLE FUELING AND MAINTENANCE PRACTICE:
- a. CONTRACTOR SHALL MAKE AN EFFORT TO PERFORM EQUIPTMENT/VEHICAL FUELING AND MAINTENANCE AT AN OFF-SITE FACILITY; b. CONTRACTOR SHALL PROVIDE AN ON-SITE FUELING AND MAINTENANCE AREA THAT IS
- CLEAN AND DRY;
- c. IF POSSIBLE THE CONTRACTOR SHALL KEEP AREA COVERED;
- d. CONTRACTOR SHALL KEEP A SPILL KIT AT THE FUELING AND MAINTENANCE AREA; e. CONTRACTOR SHALL REGULARLY INSPECT VEHICLES FOR LEAKS AND DAMAGE:
- f. CONTRACTOR SHALL USE DRIP PANS, DRIP CLOTHS, OR ABSORBENT PADS WHEN REPLACING SPENT FLUID.

EROSION CONTROL OBSERVATIONS AND MAINTENANCE PRACTICES

THIS PROJECT EXCEEDS ONE (1) ACRE OF DISTURBANCE AND THUS REQUIRES A SWPPP. THE SWPPP SHALL BE PREPARED BY THE ENGINEER. THE CONTRACTOR SHALL BE FAMILIAR WITH THE SWPPP AND KEEP AN UPDATED COPY OF THE SWPPP ONSITE AT ALL TIMES.

THE FOLLOWING REPRESENTS THE GENERAL OBSERVATION AND REPORTING PRACTICES THAT SHALL BE FOLLOWED AS PART OF THIS PROJECT:

- 1. OBSERVATIONS OF THE PROJECT FOR COMPLIANCE WITH THE SWPPP SHALL BE MADE BY THE CONTRACTOR AT LEAST ONCE A WEEK OR WITHIN 24 HOURS OF A STORM 0.25 INCHES OR GRFATFR
- 2. AN OBSERVATION REPORT SHALL BE MADE AFTER EACH OBSERVATION AND DISTRIBUTED TO THE ENGINEER, THE OWNER, AND THE CONTRACTOR
- 3. A REPRESENTATIVE OF THE SITE CONTRACTOR, SHALL BE RESPONSIBLE FOR MAINTENANCE AND REPAIR ACTIVITIES
- 4. IF A REPAIR IS NECESSARY, IT SHALL BE INITIATED WITHIN 24 HOURS OF REPORT.

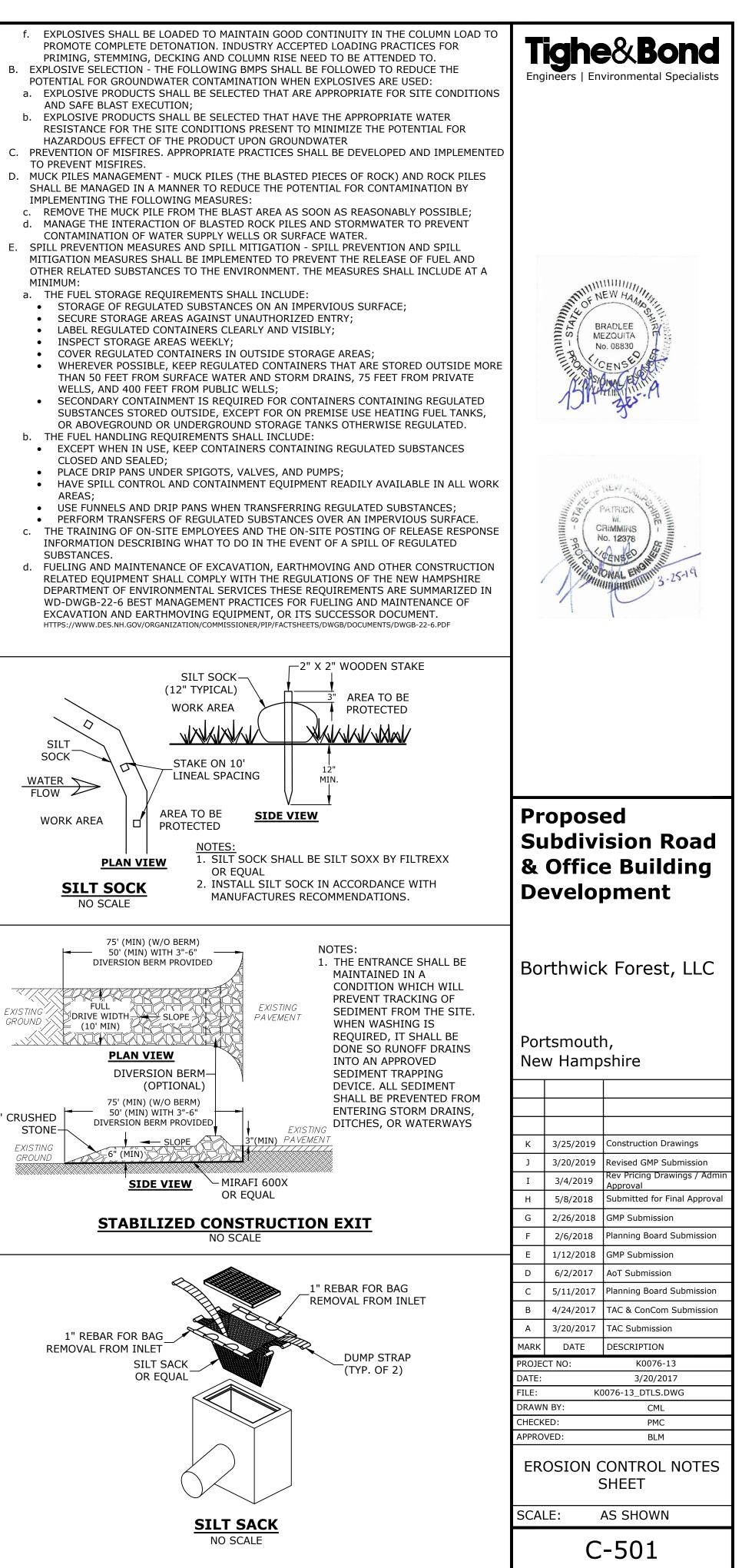
BLASTING NOTES:

- 1. IF MORE THAN 5000 CUBIC YARDS ARE TO BE BLASTED A BLASTING PLAN SHALL BE PROVIDED. THE BLASTING PLAN SHALL INCLUDE:
- A. LOCATION AND IDENTIFICATION OF DRINKING WATER WELLS LOCATED WITHIN 2000 FEET OF THE PROPOSED BLASTING ACTIVITIES; B. A GROUNDWATER QUALITY SAMPLING PROGRAM, APPROVED BY NHDES PRIOR TO INITIATING BLASTING, TO MONITOR FOR NITRATE AND NITRITE EITHER IN THE DRINKING WATER SUPPLY
- WELLS OR IN OTHER WELLS THAT ARE REPRESENTATIVE OF THE DRINKING WATER SUPPLY WELLS IN THE AREA. a. THE GROUNDWATER SAMPLING PROGRAM MUST BE IMPLEMENTED ONCE APPROVED BY
- NHDES
- 2. THE FOLLOWING BEST MANAGEMENT PROCEDURES FOR BLASTING SHALL BE COMPLIED WITH: A. LOADING PRACTICES - THE FOLLOWING BLASTHOLE LOADING PRACTICES TO MINIMIZE ENVIRONMENTAL EFFECTS SHALL BE FOLLOWED:
 - a. DRILLING LOGS SHALL BE MAINTAINED BY THE DRILLER AND COMMUNICATED DIRECTLY TO THE BLASTER. THE LOGS SHALL INDICATE DEPTHS AND LENGTHS OF VOIDS, CAVITIES, AND FAULT ZONES OR OTHER WEAK ZONES ENCOUNTERED AS WELL AS GROUNDWATER CONDITIONS;
 - b. EXPLOSIVE PRODUCTS SHALL BE MANAGED ON-SITE SO THAT THEY ARE EITHER USED IN THE BOREHOLE, RETURNED TO THE DELIVERY VEHICLE, OR PLACED IN SECURE CONTAINERS FOR OFF-SITE DISPOSAL;
 - c. SPILLAGE AROUND THE BOREHOLE SHALL EITHER BE PLACED IN THE BOREHOLE OR CLEANED UP AND RETURNED TO AN APPROPRIATE VEHICLE FOR HANDLING OR PLACEMENT IN SECURED CONTAINERS FOR OFF-SITE DISPOSAL;
 - d. LOADED EXPLOSIVES SHALL BE DETONATED AS SOON AS POSSIBLE AND SHALL NOT BE LEFT IN THE BLASTHOLES OVERNIGHT, UNLESS WEATHER OR OTHER SAFETY CONCERNS REASONABLY DICTATE THAT DETONATION SHOULD BE POSTPONED;
 - e. LOADING EQUIPMENT SHALL BE CLEANED IN AN AREA WHERE WASTEWATER CAN BE PROPERLY CONTAINED AND HANDLED IN A MANNER THAT PREVENTS RELEASE OF

CONTAMINANTS TO THE ENVIRONMENT;

- MINIMUM
- AREAS;

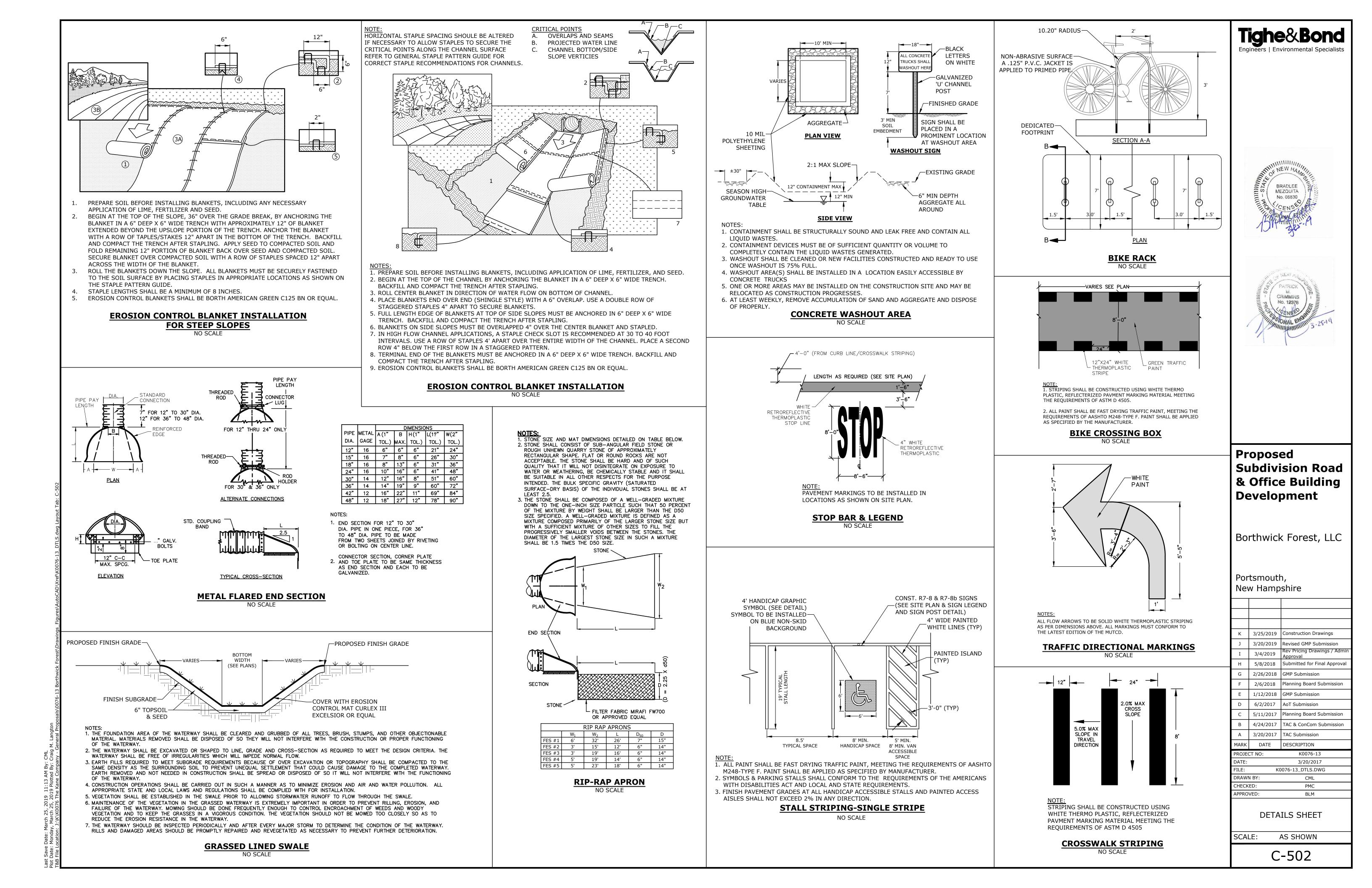
SILT SOCK
FLOW

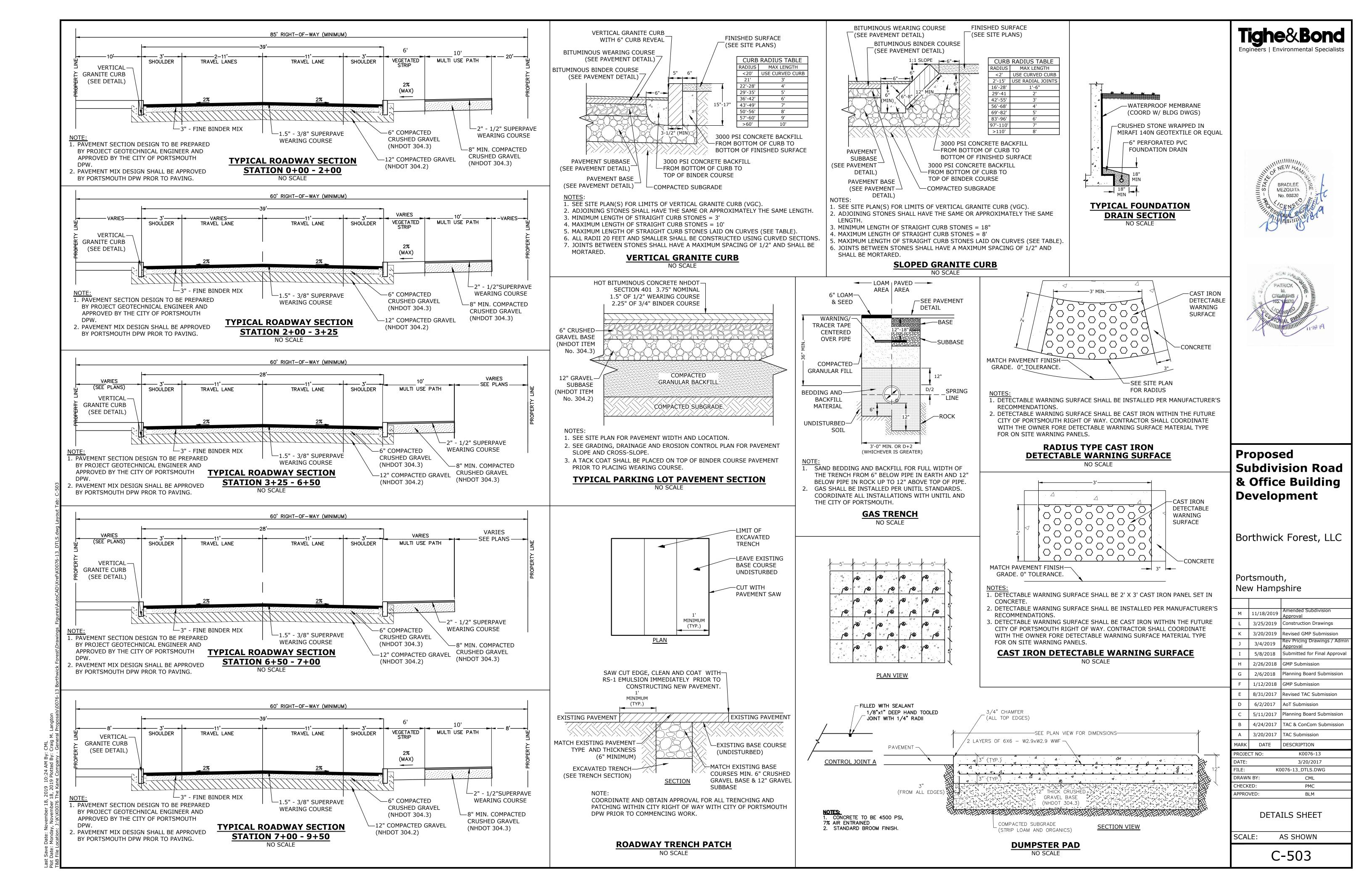


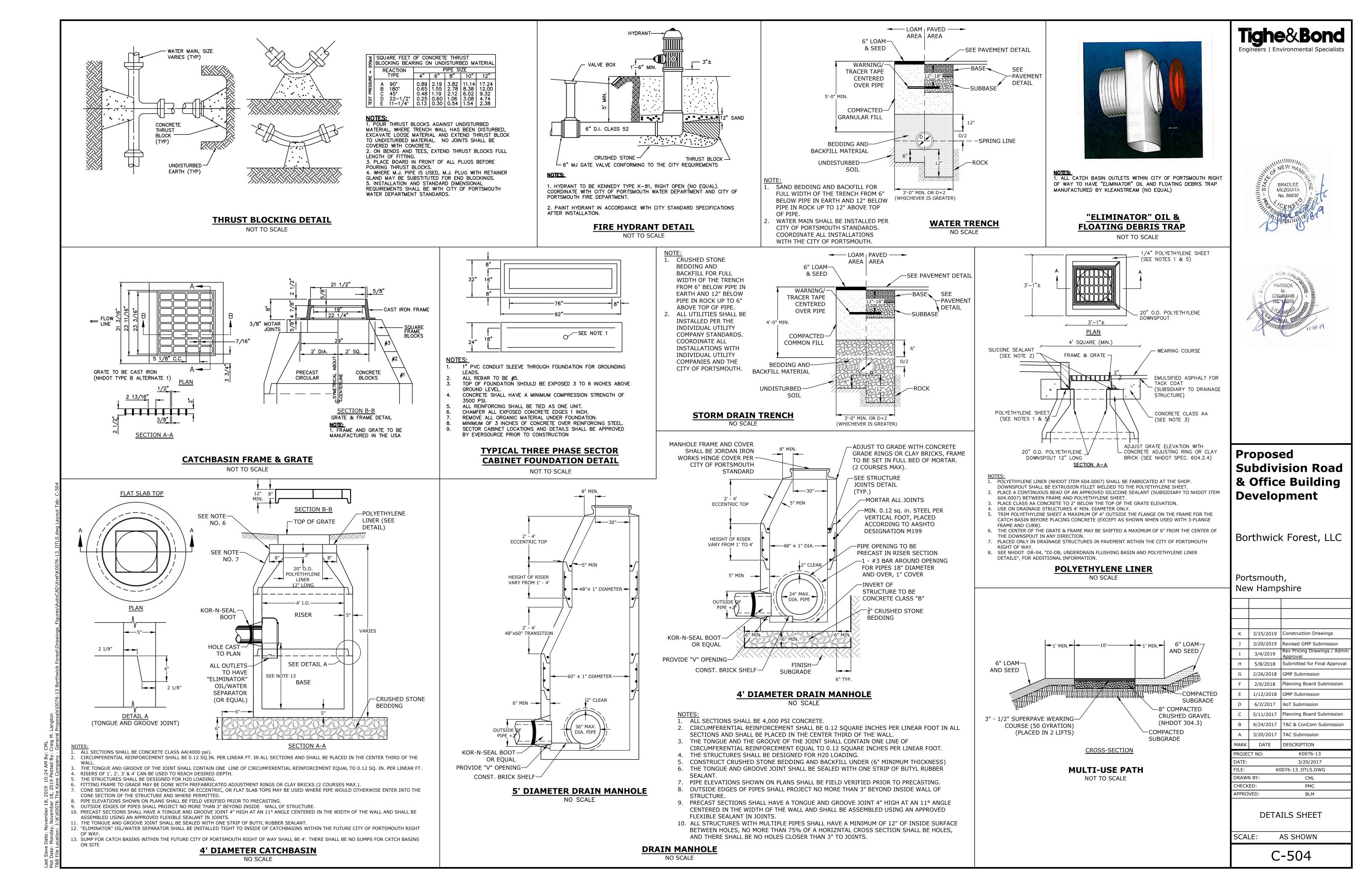
CRUSHED STONE-	
EXISTING GROUND	

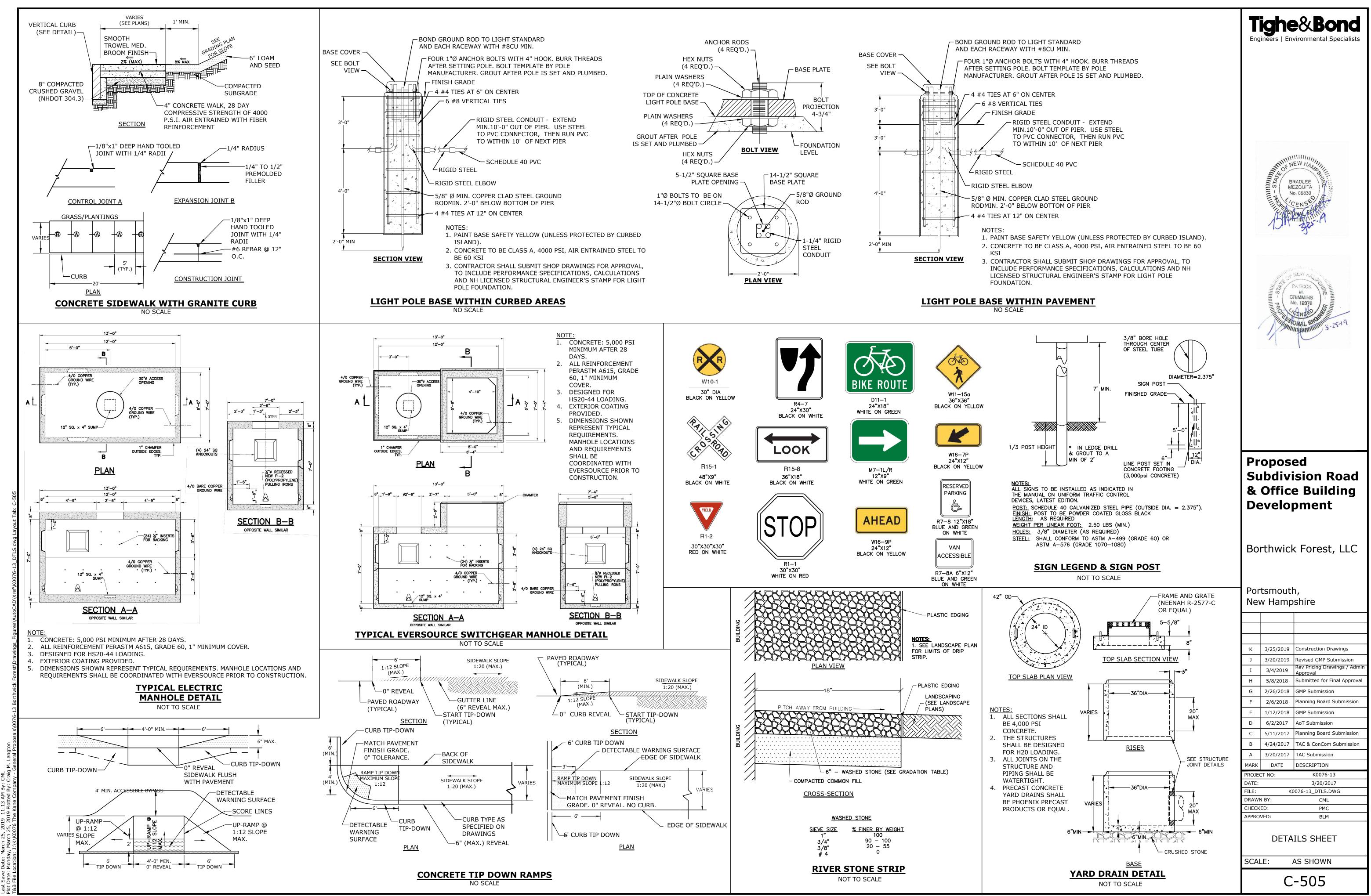
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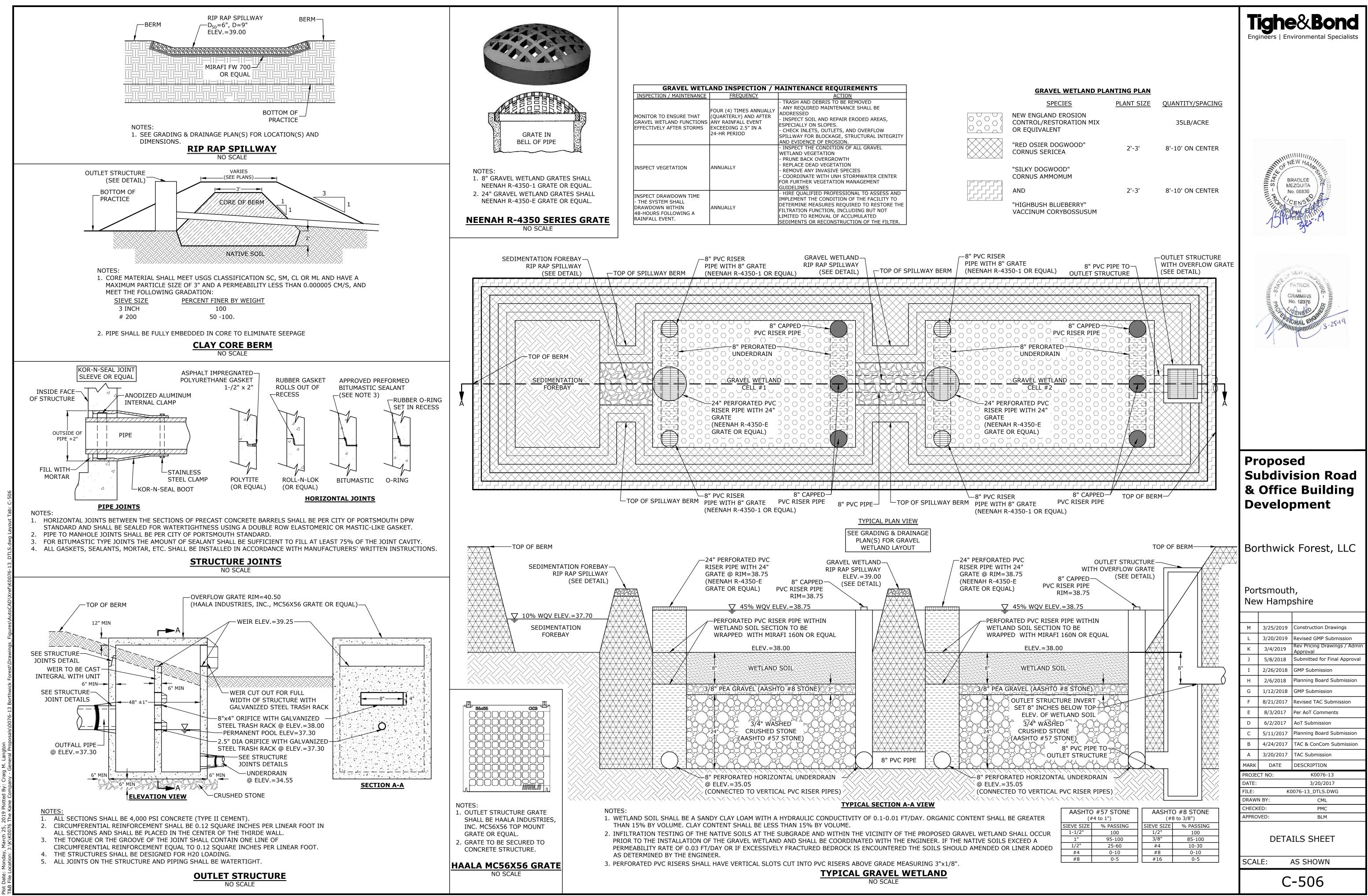
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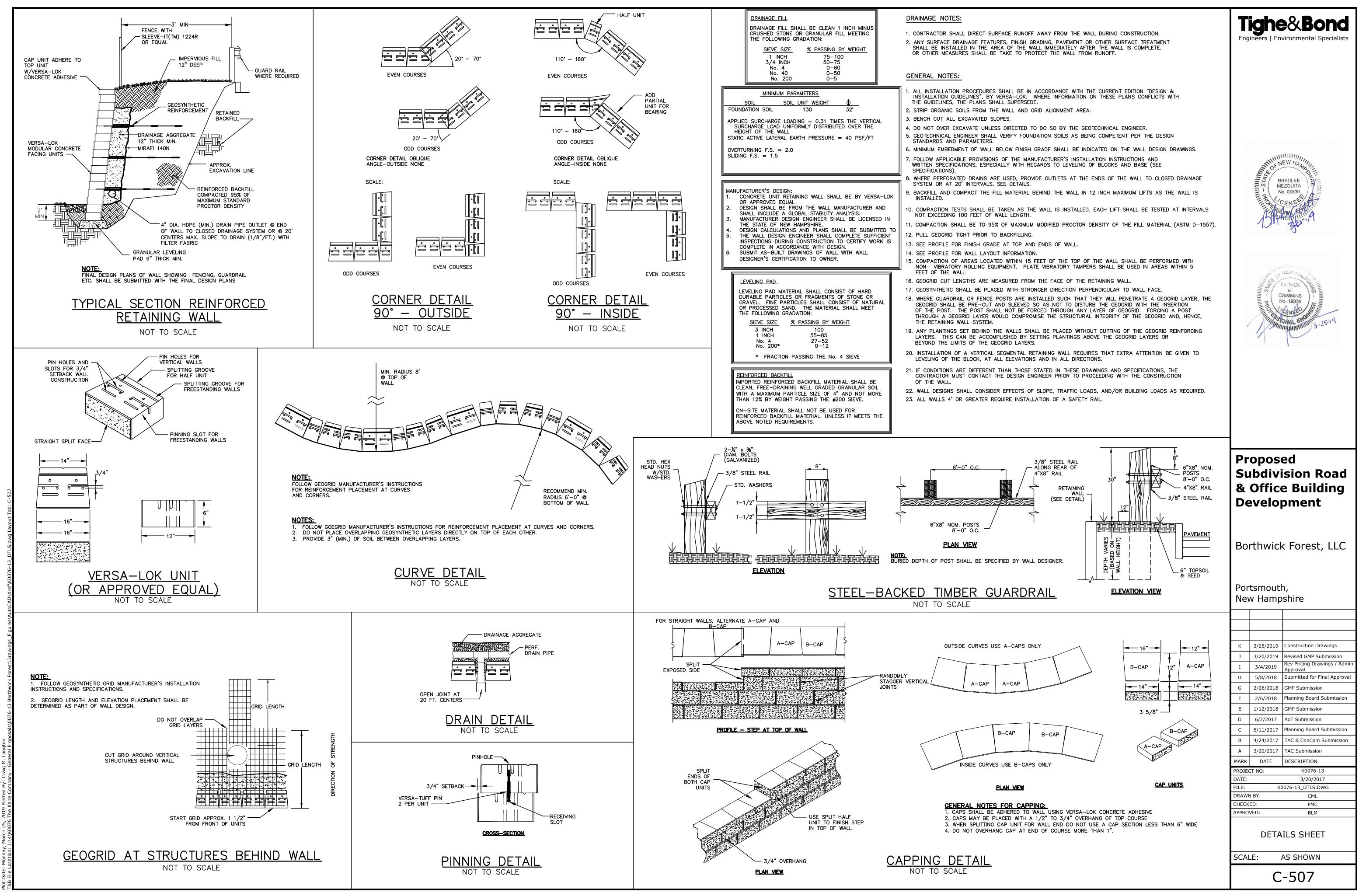


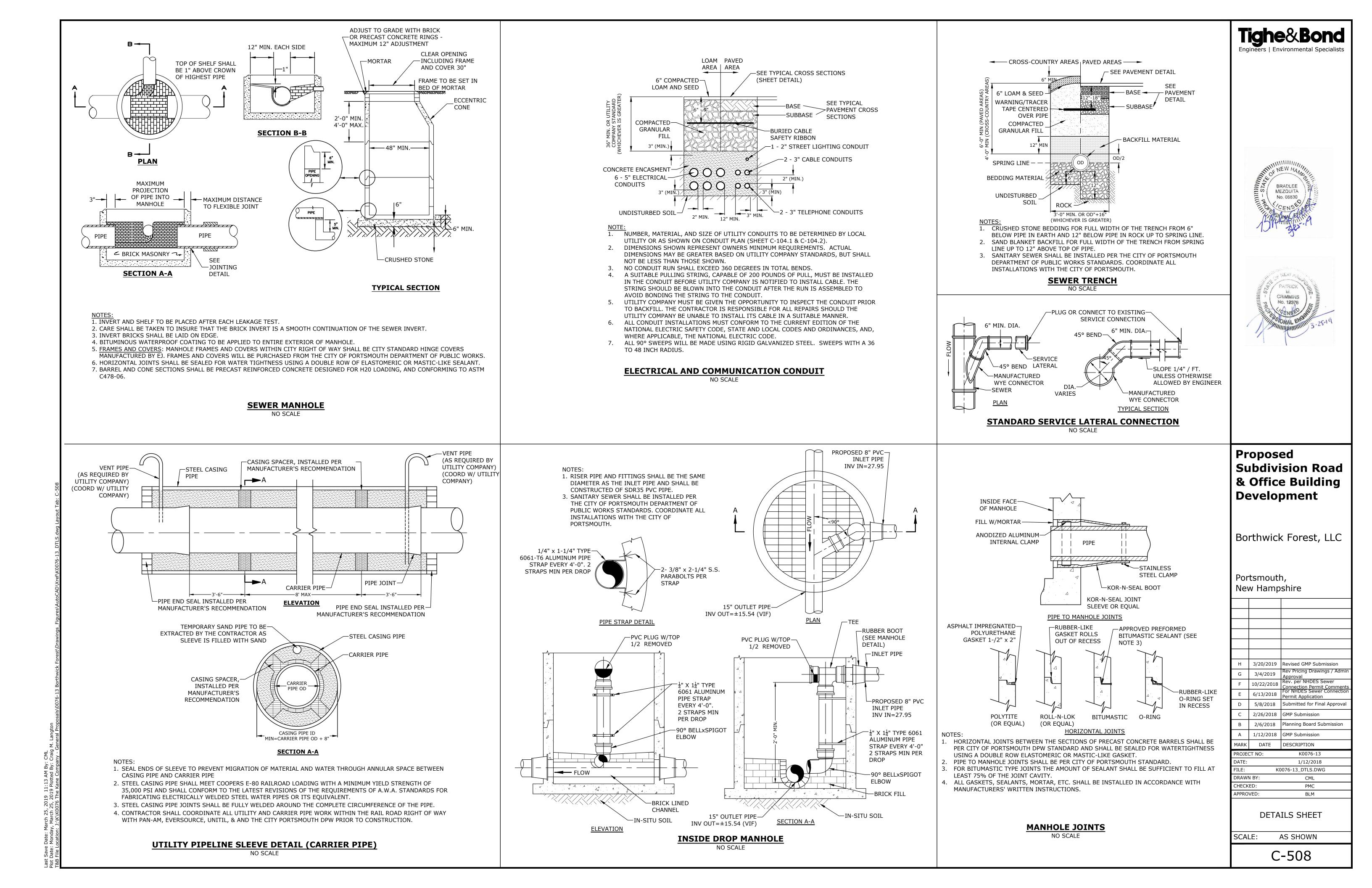






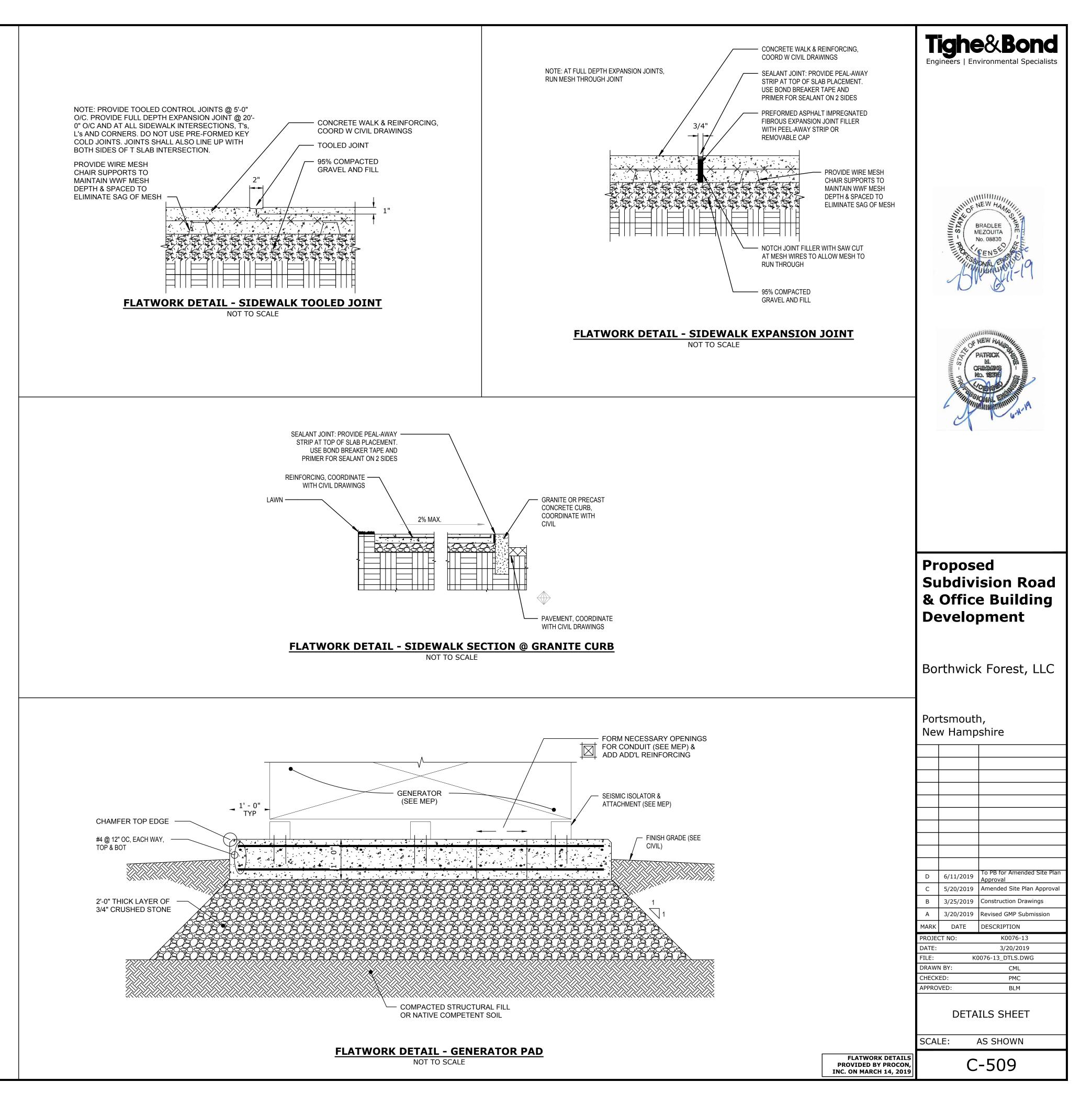






	E SHALL BE 3" RIVER STONE NON-WOVEN GEOTEXTILE FABRIC
	WITH APPROVED PLANTINGS (MIRAFI 140-N OR EQUAL)
(JEL KA	WIDTH VARIES
ELEV.=51.50	3:1 SLOPE(MAX) 3:1 SLOPE(MAX) 3:1 SLOPE(MAX) 3:1 SLOPE(MAX)
	$= 3.1 \text{ SLOPE}(M_{4\chi})$
ELEV.=50.00	
	FILTER MEDIA
ELEV.=48.50	
	A CONTRACTOR PLA GRAVEL (AASITO #6 STONE) OF
	24" AASHTO NO. 57 STONE
ELEV.=46.25	
	/_NON-WOVEN GEOTEXTILE FABRIC (MIRAFI 140-N OR EQUAL)
	SECTION VIEW
	FILTER MEDIA COMPOSITION:
	COMPONENT MATERIAL PERCENT OF MIXTURE GRADATION OF MATERIAL
	BY VOLUMESIEVE NO.PERCENT PASSINGASTM C-33 CONCRETE SAND50-55SEE NOTE #5
	LOAMY SAND TOPSOIL 20-30 200 15-25
	MODERATELY FINE SHREDDED 20-30 200 5 MAX BARK OR WOOD FIBER MULCH
	BARK OK WOOD FIBER HOLET
	NOTES:
	 RAIN GARDENS SHALL NOT BE PLACED INTO SERVICE UNTIL THE PRACTICE HAS BEEN PLANTED AND ITS CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
	2. DO NOT TRAFFIC EXPOSED SOIL SURFACES WITH CONSTRUCTION EQUIPMENT. CONTRACTOR SHALL
	KEEP ALL EXCAVATION EQUIPMENT OUTSIDE OF THE LIMIT OF THE RAIN GARDEN. 3. SEE GRADING, DRAINAGE & EROSION CONTROL PLAN FOR LOCATIONS, LAYOUTS, AND ELEVATIONS.
	4. THE SAND PORTION OF THE FILTER MEDIA SHALL MEET THE FOLLOWING GRADATION (ASTM C-33):
	SIEVE SIZE PERCENT PASSING
	3/8" 100 #4 95-100
	#8 80-100
	#16 50-85 #30 25-60
	#50 5-30
	#100 0-10

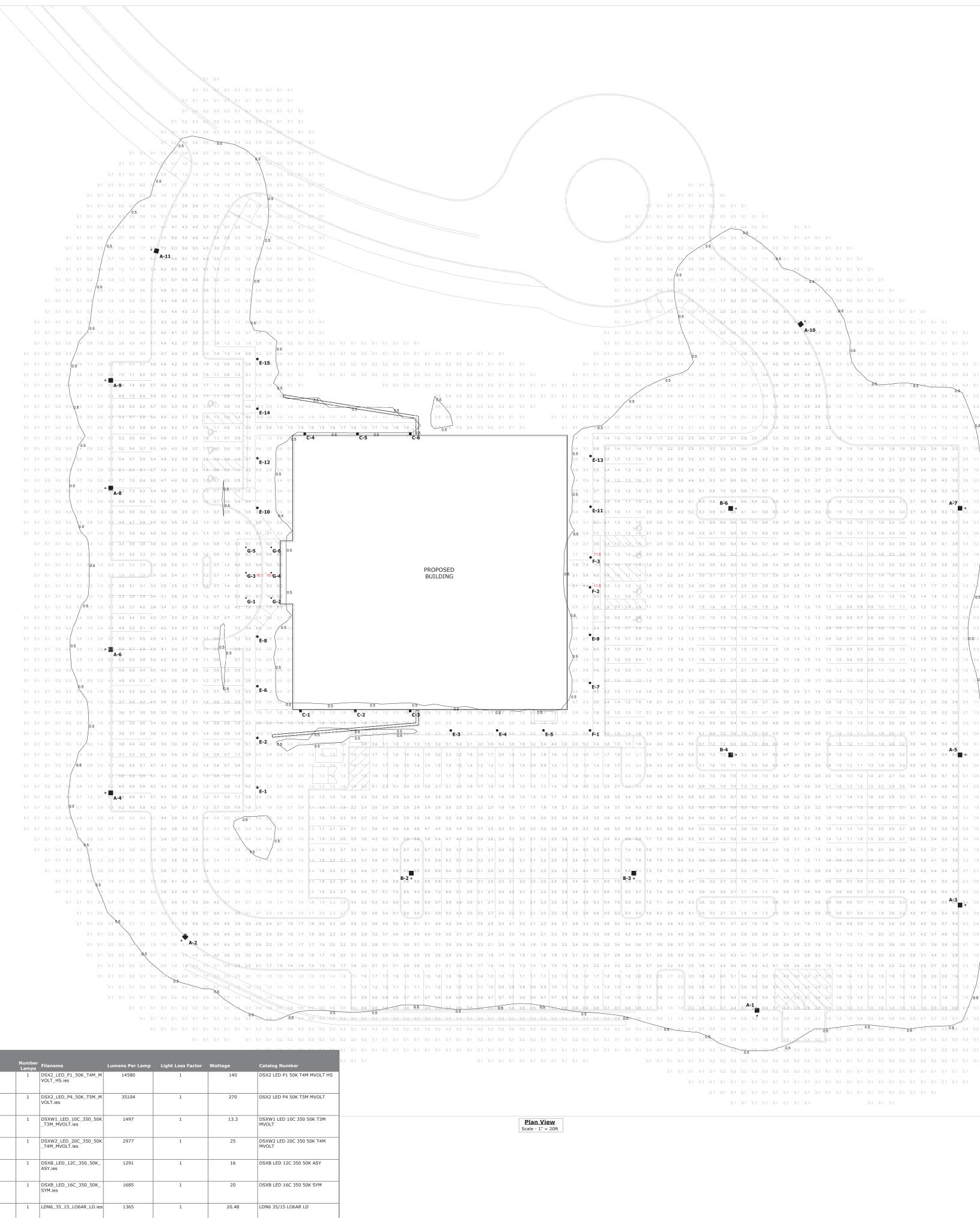
FUTURE RAIN GARDENS NO SCALE



Symbol	Label	Quantit	y Manufacturer	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage	Ca
	Α	11	Lithonia Lighting	DSX2 LED P1 50K T4M MVOLT with houseside shield	LED	1	DSX2_LED_P1_50K_T4M_M VOLT_HS.ies	14580	1	140	DS
	В	4	Lithonia Lighting	DSX2 LED P4 50K T5M MVOLT	LED	1	DSX2_LED_P4_50K_T5M_M VOLT.ies	35104	1	270	DS
	С	6	Lithonia Lighting	DSXW1 LED WITH (1) 10 LED LIGHT ENGINES, TYPE T3M OPTIC, 5000K, @ 350mA.	LED	1	DSXW1_LED_10C_350_50K _T3M_MVOLT.ies	1497	1	13.3	DS M\
	D	0	Lithonia Lighting	DSXW2 LED WITH 2 LIGHT ENGINES, 20 LED's, 350mA DRIVER, 5000K LED, TYPE 4 MEDIUM OPTIC	LED	1	DSXW2_LED_20C_350_50K _T4M_MVOLT.ies	2977	1	25	DS M\
	Е	15	Lithonia Lighting	D-SERIES BOLLARD WITH 12 5000K LEDS OPERATED AT 350mA AND ASYMMETRIC DISTRIBUTION	LED	1	DSXB_LED_12C_350_50K_ ASY.ies	1291	1	16	DS
	F	3	Lithonia Lighting	D-SERIES BOLLARD WITH 16 5000K LEDS OPERATED AT 350MA AND SYMMETRIC DISTRIBUTION	LED	1	DSXB_LED_16C_350_50K_ SYM.ies	1685	1	20	DS
C	G	6	Lithonia Lighting	6IN LDN, 3500K, 1500LM, 80CRI, CLEAR, MATTE DIFFUSE REFLECTOR	LED	1	LDN6_35_15_LO6AR_LD.ies	1365	1	20.48	LC

Lun	ninair	e Loca	tions						Aim	
Na	Lebel			-	MII	0	T :14			-
No.	Label	Х	Y	Z	мн	Orientation		х	Y	2
1	A	115.01	-181.45	19.50	19.50	360.00	0.00	115.01	-180.20	0.0
2	A	-157.73	-145.89	19.50	19.50	44.07	0.00	-156.86	-145.00	0.0
3	A	213.68	-129.07	19.50	19.50	270.00	0.00	212.43	-129.07	0.0
4	A	-193.79 213.68	-75.92 -57.91	19.50 19.50	19.50 19.50	90.00	0.00	-192.54 212.43	-75.92 -57.91	0.0
6	A	-193.79	-37.91	19.50	19.50	270.00 90.00	0.00	-192.54	-7.91	0.0
7	A	213.68	58.93	19.50	19.50	270.00	0.00	212.43	58.93	0.0
8	A			19.50	19.50				68.49	-
。 9	A	-193.79 -193.79	68.49 119.55	19.50	19.50	90.00 90.00	0.00	-192.54 -192.54	119.55	0.0
10	A	137.74	147.56	19.50	19.50	235.58	0.00	136.71	146.85	
10	A	-172.07	147.56	19.50	19.50	103.83	0.00	-170.86	140.05	0.0
										-
2	B	-48.84	-116.49	19.50	19.50	360.00	0.00	-48.84	-115.24	0.0
3	B	56.60	-116.49	19.50	19.50	360.00	0.00	56.60	-115.24	0.0
4	B	105.00	-57.91	19.50	19.50	270.00	0.00	103.75	-57.91	0.0
6	B	104.99	58.83	19.50	19.50	270.00	0.00	103.74	58.83	0.0
1	C	-101.39	-37.11	12.00	12.00	180.00	0.00	-101.39	-37.11	0.0
2	C	-75.39	-37.11	12.00	12.00	180.00	0.00	-75.39	-37.11	0.0
3	C	-49.39	-37.11	12.00	12.00	180.00	0.00	-49.39	-37.11	0.0
4	C	-99.36	94.22	12.00	12.00	0.00	0.00	-99.36	94.22	0.0
5	C	-74.36	94.22	12.00	12.00	0.00	0.00	-74.36	94.22	0.0
6	C	-49.36	94.22	12.00	12.00	0.00	0.00	-49.36	94.22	0.0
1	E	-121.79	-73.37	3.50	3.50	270.00	0.00	-121.79	-73.37	0.0
2	E	-121.79	-49.87	3.50	3.50	270.00	0.00	-121.79	-49.87	0.0
3	E	-30.14	-46.34	3.50	3.50	180.00	0.00	-30.14	-46.34	0.0
4	E	-8.16	-46.31	3.50	3.50	180.00	0.00	-8.16	-46.31	0.0
5	E	13.82	-46.31	3.50	3.50	180.00	0.00	13.82	-46.31	0.0
6	E	-121.79	-25.37	3.50	3.50	270.00	0.00	-121.79	-25.37	0.0
7	E	35.82	-23.83	3.50	3.50	90.00	0.00	35.82	-23.83	0.0
8	E	-121.79	-1.87	3.50	3.50	270.00	0.00	-121.79	-1.87	0.0
9	E	35.83	-1.03	3.50	3.50	90.00	0.00	35.83	-1.03	0.0
10	E	-121.79	59.14	3.50	3.50	270.00	0.00	-121.79	59.14	0.0
11	E	36.10	59.66	3.50	3.50	90.00	0.00	36.10	59.66	0.0
12	E	-121.79	82.64	3.50	3.50	270.00	0.00	-121.79	82.64	0.0
13	E	36.10	83.66	3.50	3.50	90.00	0.00	36.10	83.66	0.0
14	E	-121.79	106.14	3.50	3.50	270.00	0.00	-121.79	106.14	0.0
15	E	-121.79	129.64	3.50	3.50	270.00	0.00	-121.79	129.64	0.0
1	F	35.84	-46.32	3.50	3.50	0.00	0.00	35.84	-46.32	0.0
2	F	35.84	21.48	3.50	3.50	0.00	0.00	35.84	21.48	0.0
3	F	36.10	35.66	3.50	3.50	90.00	0.00	36.10	35.66	0.0
1	G	-127.20	16.41	13.00	13.00	0.00	0.00	-127.20	16.41	0.0
2	G	-115.20	16.41	13.00	13.00	0.00	0.00	-115.20	16.41	0.0
3	G	-127.20	28.41	13.00	13.00	0.00	0.00	-127.20	28.41	0.0
4	G	-115.20	28.41	13.00	13.00	0.00	0.00	-115.20	28.41	0.0
5	G	-127.20	40.41	13.00	13.00	0.00	0.00	-127.20	40.41	0.0

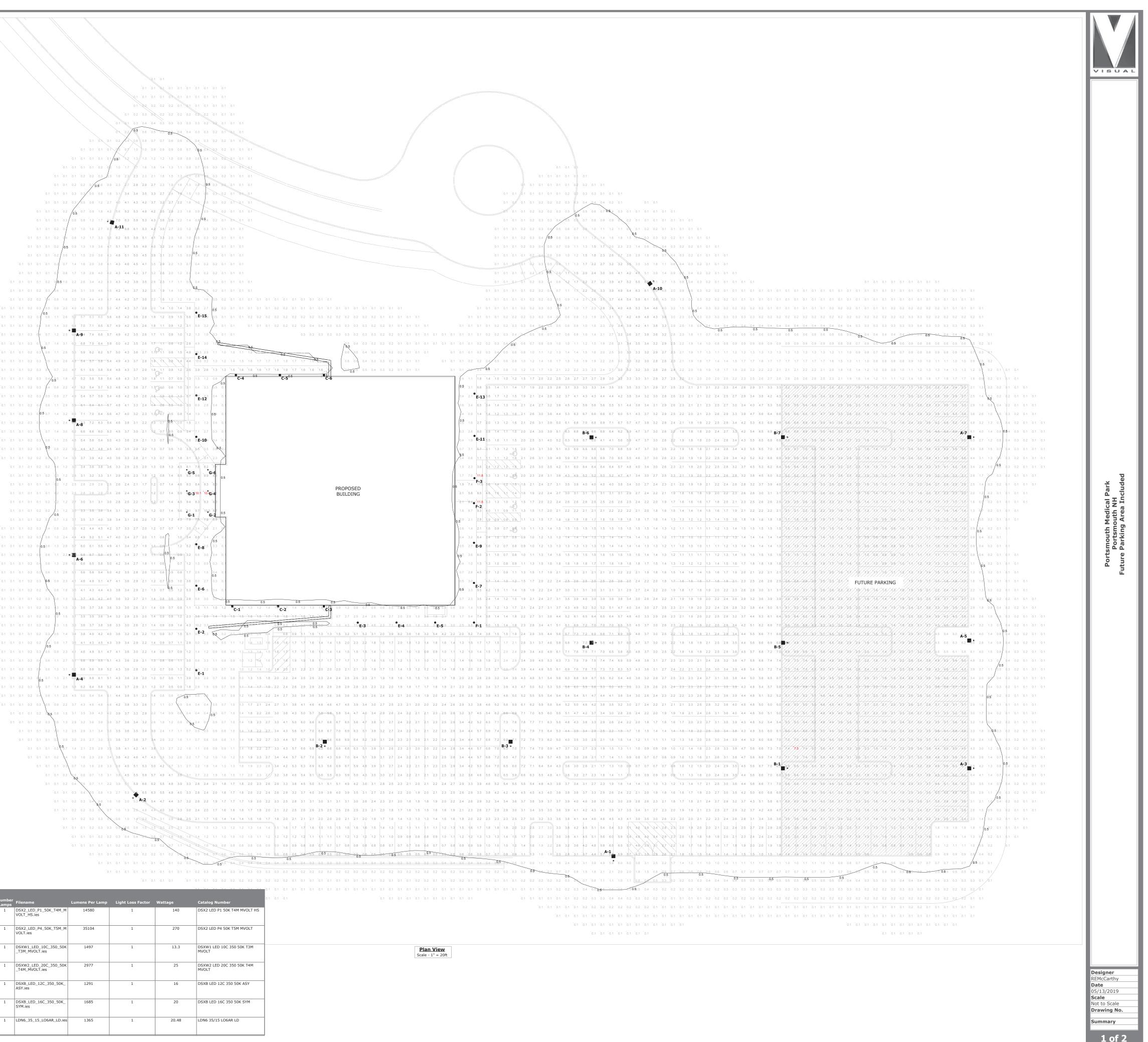
Symbol	Avg	Max	Min
\diamond	3.2 fc	10.4 fc	0.4 fc
+	3.0 fc	10.1 fc	0.4 fc
	3.6 fc	11.8 fc	0.7 fc
	Symbol	◇ 3.2 fc + 3.0 fc	◇ 3.2 fc 10.4 fc + 3.0 fc 10.1 fc

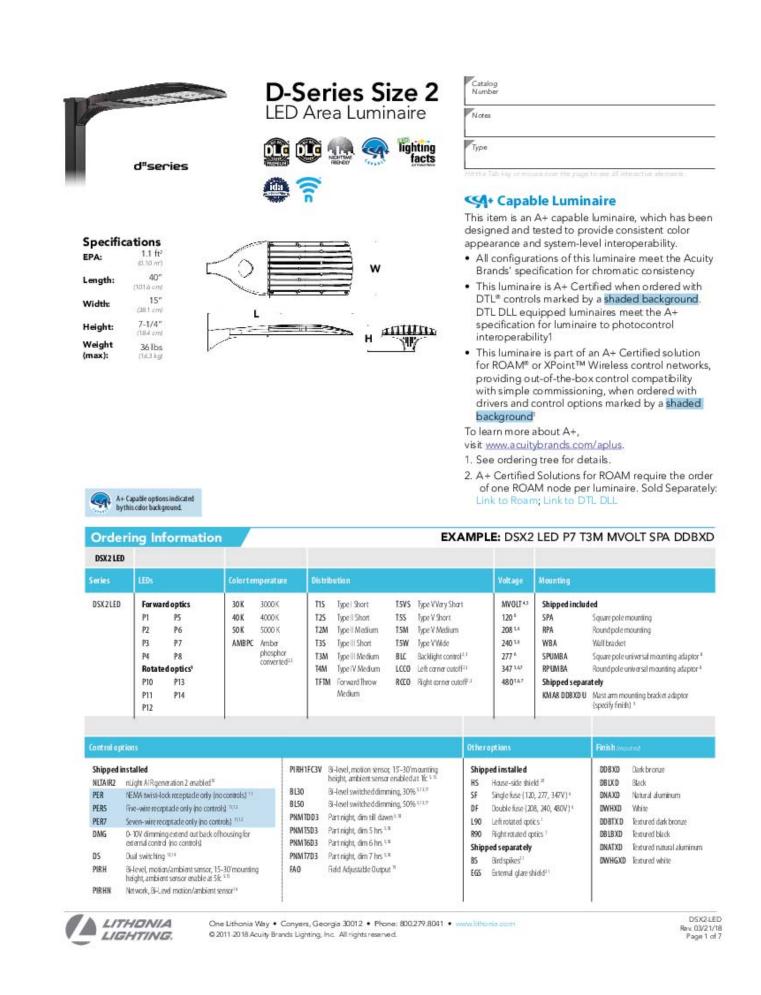


0.1 0.1 0.1 0.1 0.2 0.3 0.4 0.4 0.1 0.4 0.1 0.4 0.1 0.4 0.1 0.4 0.1 0.4 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.2 0.3 0.4 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.6 0.7 0			Portsmouth Medical Park Portsmouth NH Primary Parking Area
0.3 0.1 0.1 0.5 0.3 0.1 0.1 0.4 0.2 0.1 0.1 0.4 0.2 0.1 0.1 0.4 0.2 0.1 0.1 0.4 0.2 0.1 0.1 0.4 0.2 0.1 0.1 0.4 0.2 0.1 0.1 0.4 0.2 0.1 0.1 0.1 0.4 0.2 0.1 0.1 0.1 1.0 0.1 0.1 0.1 0.1 1.1 0.2 0.2 0.1 0.1 0.1 1.1 0.2 0.2 0.1 0.1 0.1 1.3 0.3 0.2 0.1 0.1 0.1 1.3 0.3 0.2 0.1 0.1 0.1 1.4 1.3 0.7 0.4 0.2 0.1 0.1 2.6 1.1 0.8 0.3 0.1 0.1 0.1 2.5 0.9 0.5 0.3 0.2			Portsmou Ports Primary
2.5 1.0 0.5 0.3 0.2 0.1 0.1 0.1 1.8 0.1 0.4 0.2 0.2 0.1 0.1 0.1 1.12 0.65 0.3 0.2 0.1 0.1 0.1 1.1 0.2 0.2 0.1 0.1 0.1 1.1 0.2 0.2 0.1 0.1 0.1 1.1 0.2 0.2 0.1 0.1 0.1 1.1 0.2 0.2 0.1 0.1 0.1 1.1 0.2 0.1 0.1 0.1 0.1 1.0 0.1 0.1 0.1 0.1 0.1 1.0 0.2 0.1 0.1 0.1 0.1 1.0 0.1 0.1 0.1 0.1 0.1 1.0 0.1 0.1 0.1 0.1 0.1 1.0.1 0.1 0.1 0.1 0.1 0.1 1.0.1 0.1 0.1 0.1 0.1 0.1 1.0.1 0.1 0.1		RI D OS Se No	esigner McCarthy ate S/13/2019 cale ot to Scale rawing No. ummary 1 of 2

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Cale Col Col

0.1 0.1 0.1 0.1 0.2







D

(106.7 cm)

27 lbs (12.25 kg)

Weight (max):

Notes	

Introduction

The D-Series LED Bollard is a stylish, energysaving, long-life solution designed to perform the way a bollard should-with zero uplight. An optical leap forward, this full cut-off luminaire will meet the most stringent of lighting codes. The D-Series LED Bollard's rugged construction, durable finish and long-lasting LEDs will provide years of maintenance-free service.

D SXB LED								
Series	LEDs	Drive current	Colortemperature	Distribution	Voltage	Control options	Other options	Finish impaired
DSX8 LED	Asymmetric 12C 12 LEDs1	350 350 mA 450 450 mA ¹⁴ 530 530 mA	30K 3000 K 40 K 4000 K 50 K 5000 K	ASY Asymmetric ¹ SYM Symmetric ¹	MV0LT ¹ 120 ¹ 208 ¹	Shipped installed PE Photodectric cell, button	Shipped installed SF Single fuse (120, 277, 347V1 V	DWHXD White DNAXD Natural aluminum
	Symmetric 16C 16 LEDs ²	700 700 mA	AMBPC Amber phosphor converted AMBLW Amber Imited wavdength ¹⁴		240 ³ 277 ¹ 347 ⁴	type DMG 0-10V dim- ming driver (no controls) ELCW Emergency battery backup ⁴	DF Double fuse (208, 240V) ⁴⁷ H24 24" overall height H30 30" overall height H36 36" overall height FG Ground-fault festoon outlet	DDBXD Dark bronze DBLXD Black DDBTXD Textured dari bronze DBLBXD Textured black DNATXD Textured
							L/AB Without anchor bolts L/AB4 4-boltretrofit base without anchor bolts ¹	natural aluminum DWHGXD Textured white

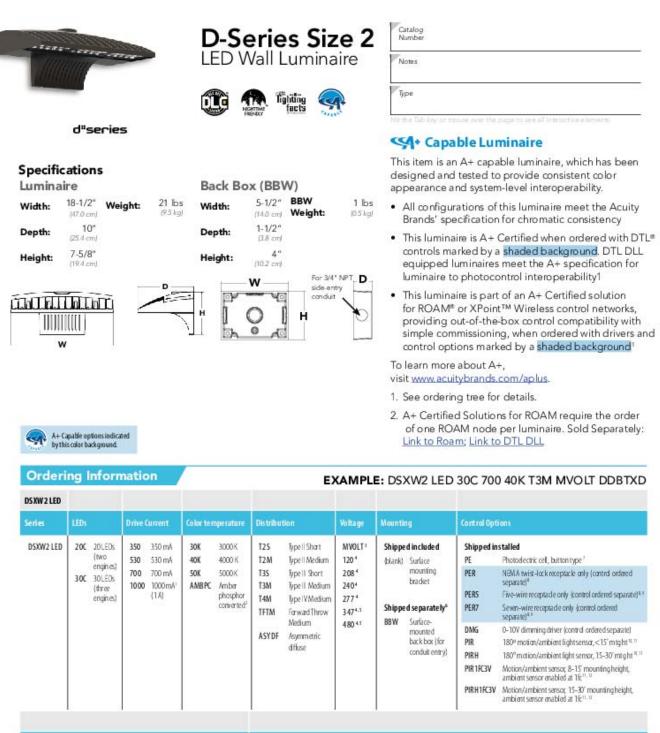
Accessories

MRABU Andror bolts for DS/B¹

NOTES 1 Only available in the 12C, ASY version. 2 Only available in the 16C, SYM version. Conty analactic in the Tox, Shiriveston,
 Conty analactic in the Tox, Shiriveston,
 Conty analactic with ELCW.
 MVOLT driver operates on any line voltage from 120.277V (50/60
 Hz). Specify 120, 206, 240 or 277 options only when ordering
 with facing (SF, DF options) or photocontrol (JPE option). Not available with 347V. Not available with fusing. Not available with 450 AMBLW.

Single fuse (SP) requires 120, 277, or 347 voltage option. Double fuse (DP) requires 208 or 240 voltage option.
 MRAB U not available with L/AB4 option.

LITHONIA LIGHTING.



ither O	ptions			Finishareq					
Shippe	ed installe d	Shipped separately 11		DDBX.D Dark bronze DSSXD Sandsto			Sandstone	DWHGXD	Textured white
SF	Single fuse (120, 277, 347V) 1	BSW	Bird-deterrent spikes	DBLXD	Black	DDBTXD	Textured dark bronze	DSSTXD	Textured sandstone
DF	Double fuse (208, 240, 480V) 1	WG	Wire guard	DNAXD	Natural aluminum	D BL EXD	Textured black		
HS	House-side shield ⁴	VG	Vandal guard	DWHXD	White	DNATXD	Textured natural aluminum		
SPD	Separate surge protection 14								

DSXW21ED Rev. 10/25/17 Page 1 of 4

LDN6

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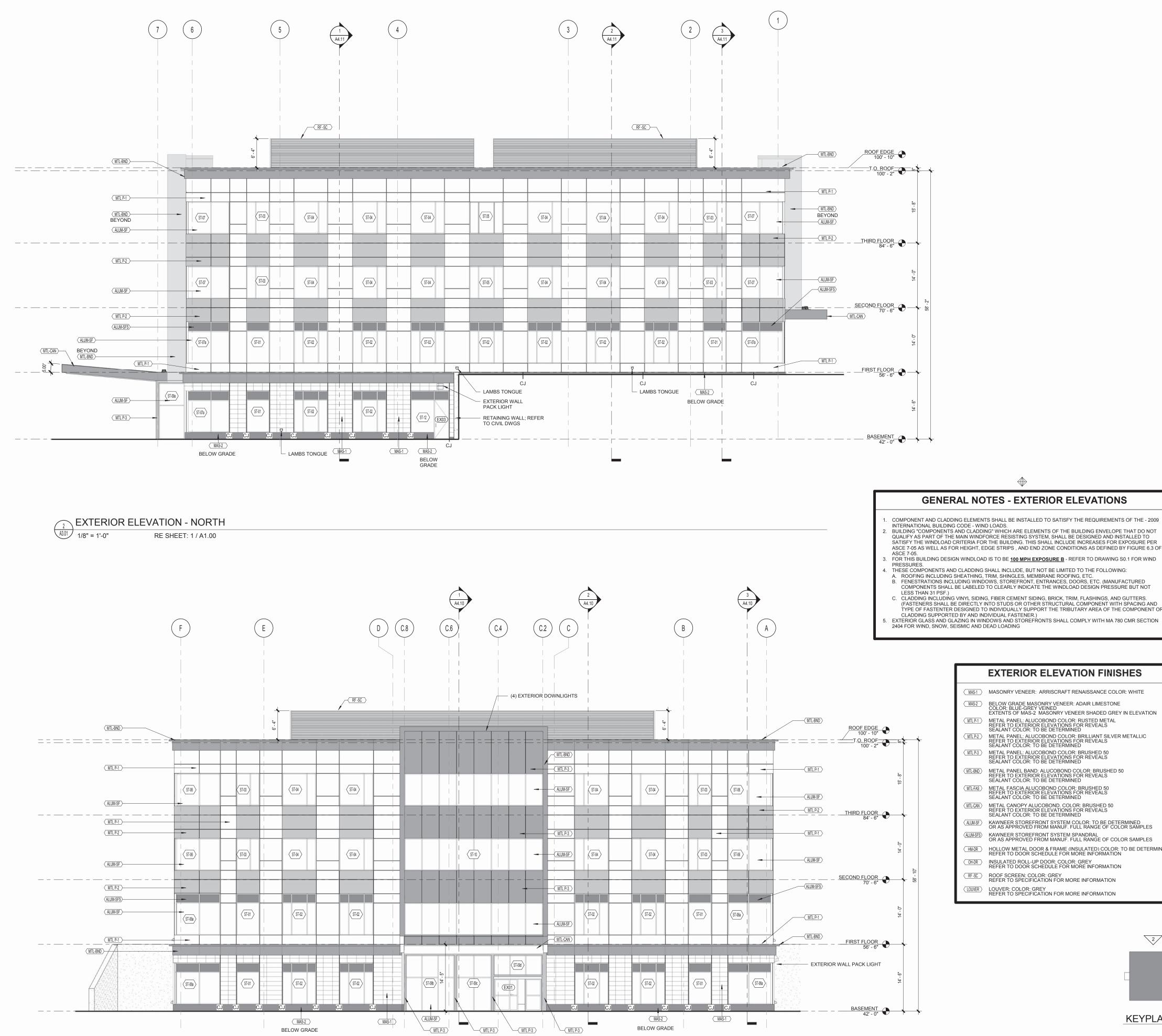


Specific Luminai Width: Depth: Height:	atio re 13-3/4 (49°c 10 (254°c 6-3/6 (162°c	4" We m) 0" m) 8" m)	ight: _ D _	12 b 54k	os Wi gl De	ack Bo Idth: ight:	13-3/4" (34.9 cm) 4" (10.2 cm) 6-3/8" (16.2 cm)	BBW Weigh ELCW Weigh W	nt: 4 nt: 4 a entry	5 lbs 13 kgl 15 kgl 15 kgl	integral applica and is c energy- and cor With ar nighttir over co the D-S lighting excepti	Series ted LE tions. areful efficientrol of me use mpar series solut onally	Wall lum ED solution It feature options for exted serve able 2500 Wall is a r tion that p y illuminat	on for s a sl ered g wit r cus vice li to 74 V me reliab produ red.	building eek, moo to provid h a variet tomized fe of ove % in ener tal halide le, low-m icces sites	-mount dern des de long- ty of op perform 20 yea gy savin e lumina aintena that are	t -la: tic nar ng aire and e
DSXW1 LED Series	LEDs	2	Drive	Current	Colorten	nperature	Distribu	tion	Voltage	Mountin	g	Control	Options	0 the r	Options	Finish (req	ute
DSXW1LED	100	10 LEDs (one engine) 20 LEDs (two engines)	350 530. 700 1000	350 mA 530 mA 700 mA 1000 mA {1A)	30K 40 K 50 K AMB PC	3000 K 4000 K 5000 K Amber phosphor converted	T2S T2M T3S T3M T4M TFTM ASYDF	Type I Short Type I Medium Type II Short Type II Medium Forward Throw Medium Asym- metric diffuse	MVOLI 1 1201 2081 2401 2771 3472 4802	(blank)	fincluded Surface mounting bracket Surface- mounted back box (for conduit entry) ¹	Shippe PE	ed installed Photoelectric cel, button type ⁴ 0-10V dim- ming driver (no controls) 180° motion/ ambient light sensor, < 15' mig ht ³ 180° motion/ ambient light sensor, 15-30' mig ht ³ Emergency battery backup (includes exter- nal component enclosure) ⁴		lied Single fuse (120, 277 or 347V)? Double fuse (208, 240 or 480V)? House-side shield? Separate sarge protection ?	DDBXD DBLXD DNAXD DWHXD DSSXD DBLBXD DBLBXD DNATXD DWHGXD DSSTXD	Da br Bl NJ Alk W Sa Te da br Te bl Te nati
photocontro 2 Only availab	ol (PE op ole with 2 ips insta ol (PE) re	ation). 20C, 700m/ alled on fait equires 120 asor Switch	Aor 100 ire. Can , 208, 24 SBGR-1	0mA. Not av not be field i 40, 277 or 34 0-CDP contr	ailablewith installed. Ca 7 voltage op ol; PIRH spo	PIR or PIRH. nnot be order ption. Not ava	ed as an acc ilable with m sor Switch SB	essory. Iotion/ambie IGR & ODP	ent light sense control; see (rs (PIR or PI Action Sens ie with 2011	ar Guide far d D/1000 mA a	letails. Ind	udes on	DSX WHS U DSX WBSW DSX WTVG I DSX WTVG I	Circleved and an House-side U Bird-deter U Wreguad	shield (on e per l rent spikes	

D-Series Size 1	Catalog Number
LED Wall Luminaire	Notes
Nighting Heats	Туре
	Wit the Tab key or mouse over the page to see all interactive elum



2 of 2



EXTERIOR ELEVATION - EAST

A3.01 1/8" = 1'-0" RE SHEET: 1 / A1.00



GENERAL NOTES - EXTERIOR ELEVATIONS

1. COMPONENT AND CLADDING ELEMENTS SHALL BE INSTALLED TO SATISFY THE REQUIREMENTS OF THE - 2009 INTERNATIONAL BUILDING CODE - WIND LOADS. BUILDING "COMPONENTS AND CLADDING" WHICH ARE ELEMENTS OF THE BUILDING ENVELOPE THAT DO NOT QUALIFY AS PART OF THE MAIN WINDFORCE RESISTING SYSTEM, SHALL BE DESIGNED AND INSTALLED TO SATISFY THE WINDLOAD CRITERIA FOR THE BUILDING. THIS SHALL INCLUDE INCREASES FOR EXPOSURE PER ASCE 7-05 AS WELL AS FOR HEIGHT, EDGE STRIPS , AND END ZONE CONDITIONS AS DEFINED BY FIGURE 6.3 OF

4. THESE COMPONENTS AND CLADDING SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING: A. ROOFING INCLUDING SHEATHING, TRIM, SHINGLES, MEMBRANE ROOFING, ETC. B. FENESTRATIONS INCLUDING WINDOWS, STOREFRONT, ENTRANCES, DOORS, ETC. (MANUFACTURED

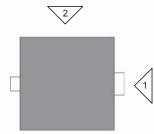
C. CLADDING INCLUDING VINYL SIDING, FIBER CEMENT SIDING, BRICK, TRIM, FLASHINGS, AND GUTTERS. (FASTENERS SHALL BE DIRECTLY INTO STUDS OR OTHER STRUCTURAL COMPONENT WITH SPACING AND TYPE OF FASTENTER DESIGNED TO INDIVIDUALLY SUPPORT THE TRIBUTARY AREA OF THE COMPONENT OR

EXTERIOR ELEVATION FINISHES

- (MAS-1) MASONRY VENEER: ARRISCRAFT RENAISSANCE COLOR: WHITE
- MAS2 BELOW GRADE MASONRY VENEER: ADAIR LIMESTONE COLOR: BLUE-GREY VEINED EXTENTS OF MAS-2 MASONRY VENEER SHADED GREY IN ELEVATION
- MTLP-1 METAL PANEL: ALUCOBOND COLOR: RUSTED METAL REFER TO EXTERIOR ELEVATIONS FOR REVEALS SEALANT COLOR: TO BE DETERMINED
- MTLP2
 METAL PANEL: ALUCOBOND COLOR: BRILLIANT SILVER METALLIC REFER TO EXTERIOR ELEVATIONS FOR REVEALS SEALANT COLOR: TO BE DETERMINED

 (MTLP3)
 METAL PANEL: ALUCOBOND COLOR: BRUSHED 50 REFER TO EXTERIOR ELEVATIONS FOR REVEALS SEALANT COLOR: TO BE DETERMINED
- (MTL-BND) METAL PANEL BAND: ALUCOBOND COLOR: BRUSHED 50 REFER TO EXTERIOR ELEVATIONS FOR REVEALS SEALANT COLOR: TO BE DETERMINED
- (MTLFAS) METAL FASCIA ALUCOBOND COLOR: BRUSHED 50 REFER TO EXTERIOR ELEVATIONS FOR REVEALS SEALANT COLOR: TO BE DETERMINED
- (MTLCAN) METAL CANOPY ALUCOBOND, COLOR: BRUSHED 50 REFER TO EXTERIOR ELEVATIONS FOR REVEALS SEALANT COLOR: TO BE DETERMINED
- (ALUM-SF) KAWNEER STOREFRONT SYSTEM COLOR: TO BE DETERMINED OR AS APPROVED FROM MANUF. FULL RANGE OF COLOR SAMPLES
- (ALUMISFS) KAWNEER STOREFRONT SYSTEM SPANDRAL OR AS APPROVED FROM MANUF. FULL RANGE OF COLOR SAMPLES
- HMDR HOLLOW METAL DOOR & FRAME (INSULATED) COLOR: TO BE DETERMINE REFER TO DOOR SCHEDULE FOR MORE INFORMATION
- (OH DR) INSULATED ROLL-UP DOOR: COLOR: GREY REFER TO DOOR SCHEDULE FOR MORE INFORMATION
- ROOF SCREEN: COLOR: GREY

 REFER TO SPECIFICATION FOR MORE INFORMATION
- LOWER: COLOR: GREY REFER TO SPECIFICATION FOR MORE INFORMATION



KEYPLAN A3.01

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NORTH NORTH



ELEVATIONS

Drawing Sheet Number:

A3.01

EXTERIOR

Drawing Sheet Title:

PROFESSIONAL SEAL

PORTSMOUTH

BUILDING A

BORTHWICK AVE

Date Issue Description

 3/20/2019
 ISSUED FOR GMP

 ASI 005
 5/15/2019
 ASI005

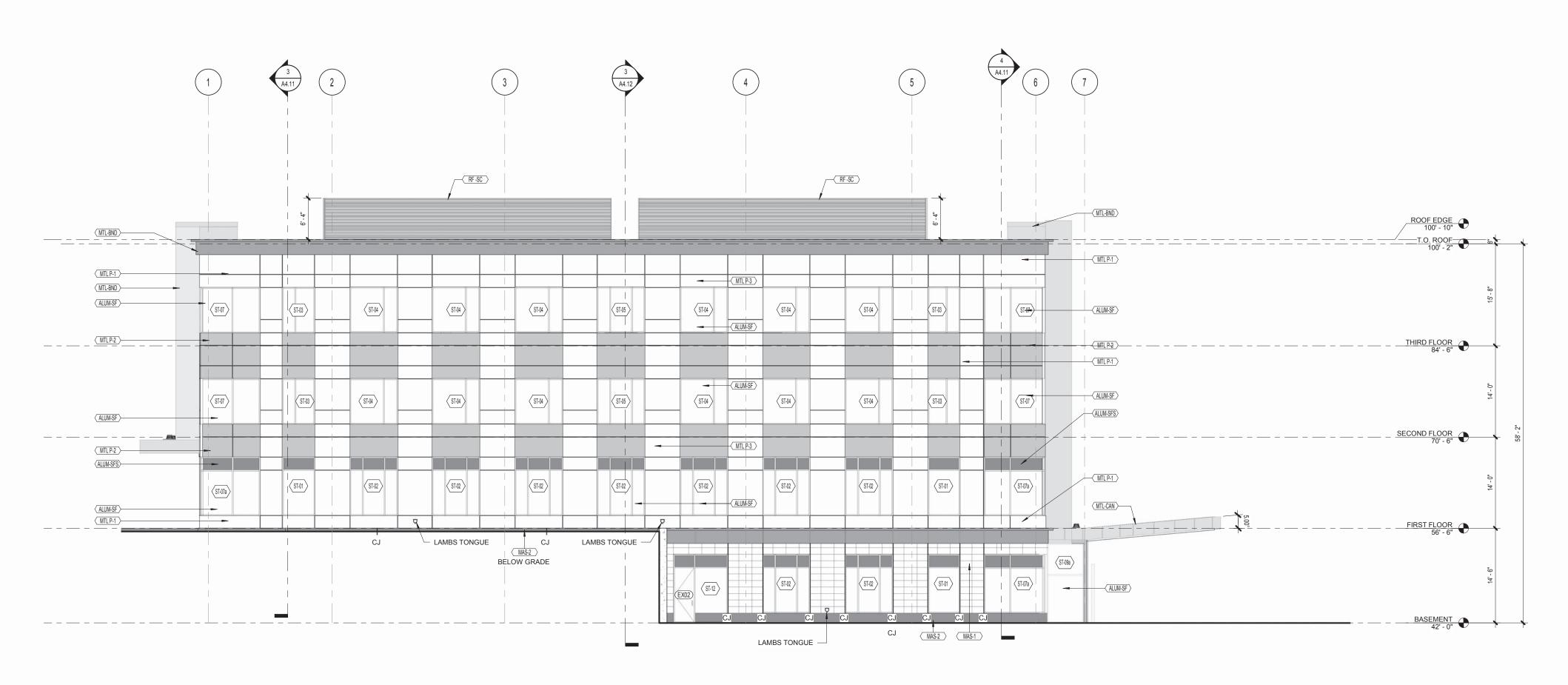
MEDICAL PARK,

PORTSMOUTH, NEW HAMPSHIRE

Project No.: 301701 Copyright: 2019 PROCON, LLC.

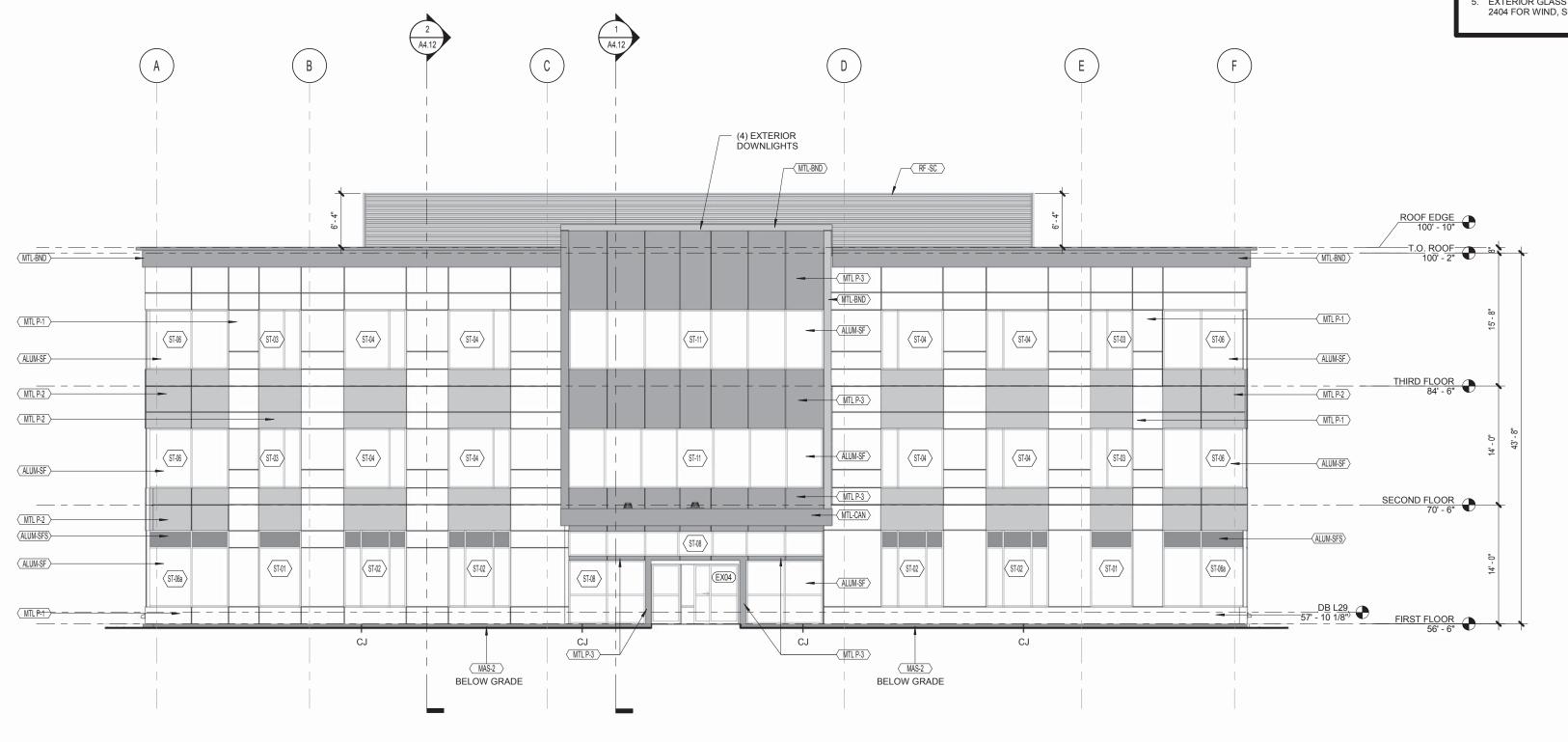
Architect: JAL

Drawn By: JW





EXTERIOR ELEVATION - SOUTH RE SHEET: 1 / A1.00



EXTERIOR ELEVATION - WEST

A3.02 1/8" = 1'-0"

RE SHEET: 1 / A1.00

ASCE 7-05. 3. FOR THIS BUILDING DESIGN WINDLOAD IS TO BE 100 MPH EXPOSURE B - REFER TO DRAWING S0.1 FOR WIND PRESSURES. 4. THESE COMPONENTS AND CLADDING SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:

- COMPONENTS SHALL BE LABELED TO CLEARLY INDICATE THE WINDLOAD DESIGN PRESSURE BUT NOT LESS THAN 31 PSF.) C. CLADDING INCLUDING VINYL SIDING, FIBER CEMENT SIDING, BRICK, TRIM, FLASHINGS, AND GUTTERS.
- EXTERIOR GLASS AND GLAZING IN WINDOWS AND STOREFRONTS SHALL COMPLY WITH MA 780 CMR SECTION 2404 FOR WIND, SNOW, SEISMIC AND DEAD LOADING

	EXTER
(MAS-1)	MASONRY
MAS-2	BELOW GR/ COLOR: BLU EXTENTS O
(MTLP-1)	METAL PAN REFER TO E SEALANT C
(MTLP-2)	METAL PAN REFER TO E SEALANT C
(MTLP-3)	METAL PAN REFER TO E SEALANT C
(MTL-BND)	METAL PAN REFER TO E SEALANT C
(MTL-FAS)	METAL FAS REFER TO E SEALANT C
(MTL-CAN)	METAL CAN REFER TO E SEALANT C
(ALUM-SF)	KAWNEER S OR AS APPF
(ALUM-SFS)	KAWNEER S OR AS APPF
(HM-DR)	HOLLOW ME REFER TO D
(OH-DR)	INSULATED REFER TO D
(RF-SC)	ROOF SCRE



GENERAL NOTES - EXTERIOR ELEVATIONS

COMPONENT AND CLADDING ELEMENTS SHALL BE INSTALLED TO SATISFY THE REQUIREMENTS OF THE - 2009 INTERNATIONAL BUILDING CODE - WIND LOADS. 2. BUILDING "COMPONENTS AND CLADDING" WHICH ARE ELEMENTS OF THE BUILDING ENVELOPE THAT DO NOT QUALIFY AS PART OF THE MAIN WINDFORCE RESISTING SYSTEM, SHALL BE DESIGNED AND INSTALLED TO SATISFY THE WINDLOAD CRITERIA FOR THE BUILDING. THIS SHALL INCLUDE INCREASES FOR EXPOSURE PER ASCE 7-05 AS WELL AS FOR HEIGHT, EDGE STRIPS , AND END ZONE CONDITIONS AS DEFINED BY FIGURE 6.3 OF

A. ROOFING INCLUDING SHEATHING, TRIN, SHINGLES, MEMBRANE ROOFING, ETC.
 B. FENESTRATIONS INCLUDING WINDOWS, STOREFRONT, ENTRANCES, DOORS, ETC. (MANUFACTURED)

(FASTENERS SHALL BE DIRECTLY INTO STUDS OR OTHER STRUCTURAL COMPONENT WITH SPACING ANI TYPE OF FASTENTER DESIGNED TO INDIVIDUALLY SUPPORT THE TRIBUTARY AREA OF THE COMPONENT OR CLADDING SUPPORTED BY AND INDIVIDUAL FASTENER.)

RIOR ELEVATION FINISHES

VENEER: ARRISCRAFT RENAISSANCE COLOR: WHITE

SRADE MASONRY VENEER: ADAIR LIMESTONE 3LUE-GREY VEINED 5 OF MAS-2 MASONRY VENEER SHADED GREY IN ELEVATION

NEL: ALUCOBOND COLOR: RUSTED METAL DEXTERIOR ELEVATIONS FOR REVEALS COLOR: TO BE DETERMINED

NEL: ALUCOBOND COLOR: BRILLIANT SILVER METALLIC EXTERIOR ELEVATIONS FOR REVEALS COLOR: TO BE DETERMINED

NEL: ALUCOBOND COLOR: BRUSHED 50 DEXTERIOR ELEVATIONS FOR REVEALS COLOR: TO BE DETERMINED

NEL BAND: ALUCOBOND COLOR: BRUSHED 50 DEXTERIOR ELEVATIONS FOR REVEALS COLOR: TO BE DETERMINED

SCIA ALUCOBOND COLOR: BRUSHED 50 DEXTERIOR ELEVATIONS FOR REVEALS COLOR: TO BE DETERMINED

NOPY ALUCOBOND. COLOR: BRUSHED 50) EXTERIOR ELEVATIONS FOR REVEALS COLOR: TO BE DETERMINED

R STOREFRONT SYSTEM COLOR: TO BE DETERMINED PROVED FROM MANUF. FULL RANGE OF COLOR SAMPLES R STOREFRONT SYSTEM SPANDRAL PROVED FROM MANUF. FULL RANGE OF COLOR SAMPLES

METAL DOOR & FRAME (INSULATED) COLOR: TO BE DETERMINE DOOR SCHEDULE FOR MORE INFORMATION

D ROLL-UP DOOR: COLOR: GREY) DOOR SCHEDULE FOR MORE INFORMATION

CREEN: COLOR: GREY TO SPECIFICATION FOR MORE INFORMATION

(LOWER) LOUVER: COLOR: GREY REFER TO SPECIFICATION FOR MORE INFORMATION

PROFESSIONAL SEAL

PORTSMOUTH MEDICAL PARK, **BUILDING A**

BORTHWICK AVE PORTSMOUTH, NEW HAMPSHIRE

0		sue Description
	3/20/2019	ISSUED FOR GMP
ASI 005	5/15/2019	ASI005

Architect: JAL

Drawn By: JW

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Project No.: 301701

Drawing Sheet Title:

EXTERIOR **ELEVATIONS**

Drawing Sheet Number:

2

02

KEYPLAN A3.02

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PROJECT

N

NORTH NORTH

2

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