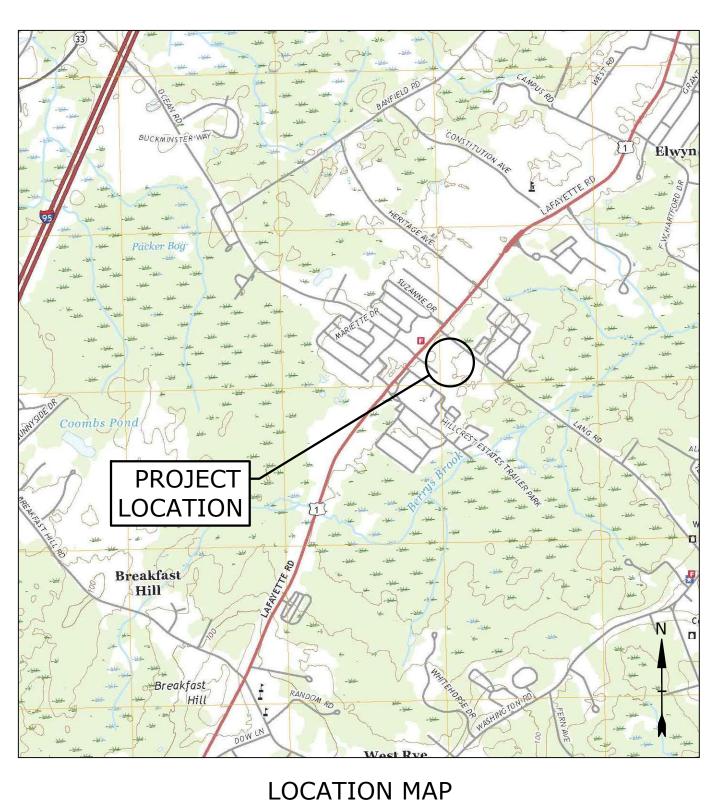
LONGMEADOW ROAD EXTENSION LONGMEADOW ROAD AND LANG ROAD AT US ROUTE 1 PORTSMOUTH, NEW HAMPSHIRE PROJECT NO: P-0714-005 PORTSMOUTH #42350, X-A004(818) JANUARY 11, 2019 LAST REVISED: OCTOBER 21, 2021

	LIST OF DRAWINGS						
^	SHEET NO.	SHEET TITLE	LAST REVISED				
K		COVER SHEET	10/21/2021				
	1 OF 3	SUBDIVISION PLAN	2/11/2021				
	2 OF 3	SUBDIVISION PLAN	2/11/2021				
	3 OF 3	SUBDIVISION PLAN	2/11/2021				
	C-100	GENERAL NOTES, LEGEND & ABBREVIATIONS	10/21/2021				
	C-101	EXISTING CONDITIONS PLAN	1/29/2021				
	C-102	DEMOLITION PLAN	1/29/2021				
\wedge	C-103	OVERALL ROADWAY PLAN	10/04/2021				
$\left\langle \begin{array}{c} 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 $	C-103.1	PROPOSED ROADWAY PLAN	10/04/2021				
K	C-104	GRADING, DRAINAGE, & EROSION CONTROL PLAN	10/21/2021				
	C-105	UTILITIES PLAN	7/21/2021				
<u>^</u> (C-106	LONGMEADOW ROAD PLAN & PROFILE	10/04/2021				
	C-107	LANG ROAD EXTENSION PLAN & PROFILE	10/04/2021				
<u> </u>	C-108	LANG ROAD EXTENSION PLAN & PROFILE	10/04/2021				
	C-109	LANG ROAD PLAN & PROFILE	1/29/2021				
•	C-110	LANG ROAD SIGHT DISTANCE PLAN & PROFILE	1/29/2021				
	C-201	SIGN LOCATION PLAN	10/04/2021				
	C-501	EROSION CONTROL NOTES & DETAILS SHEET	4/21/2021				
<u>,</u> (C-502	DETAILS SHEET	10/04/2021				
	C-503	DETAILS SHEET	10/04/2021				
	C-504	DETAILS SHEET	10/04/2021				
\wedge	C-505	DETAILS SHEET	10/21/2021				
$\langle \kappa \rangle$	C-506	DETAILS SHEET	10/21/2021				
	C-507	DETAILS SHEET	8/11/2021				
	1	STATE OF NH - ROUTE MARKER POST ASSEMBLY DETAIL (2 GROUP)	8/11/2021				
	1	STATE OF NH - ROUTE MARKER POST ASSEMBLY DETAIL (3 GROUP)	8/11/2021				



SCALE: 1" = 2,000'

PREPARED BY:

APPLICANT: City Of Portsmouth 1 Junkins Ave, Portsmouth, NH 03801

OWNER: Service Credit Union 3003 Lafayette Road, Portsmouth, NH 03801

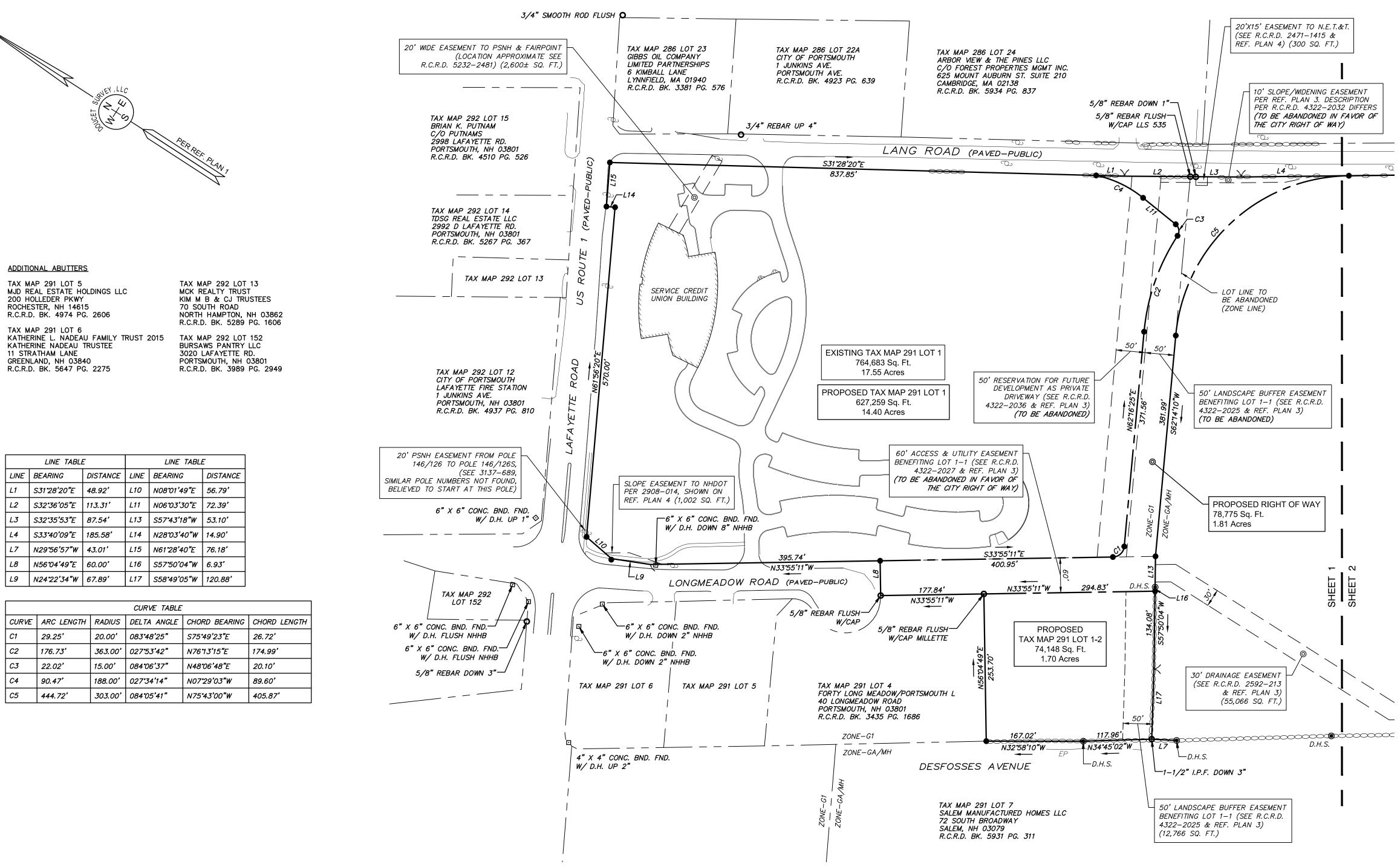






SURVEYOR: Doucet Survey, Inc. 102 Kent Place Newmarket, NH 03857

FINAL DESIGN PLANS - ADDENDUM 2 COMPLETE SET 26 SHEETS



_					
	LINE TABLE			LINE TABL	E
LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
L1	S31*28'20"E	48.92'	L10	N08°01'49"E	56.79'
L2	S32*36'05"E	113.31'	L11	N06°03'30"E	72.39'
L3	S32*35'53"E	87.54'	L13	S57 * 43'18"W	53.10 '
L4	S33*40'09"E	185.58'	L14	N28°03'40"W	14.90'
L7	N29 ° 56'57"W	43.01'	L15	N61°28'40"E	76.18'
L8	N56°04'49"E	60.00'	L16	S57 * 50'04"W	6.93'
L9	N24°22'34"W	67.89'	L17	S58 * 49'05"W	120.88'

ADDITIONAL ABUTTERS

200 HOLLEDER PKWY

TAX MAP 291 LOT 6

11 STRATHAM LANE GREENLAND, NH 03840

ROCHESTER, NH 14615

R.C.R.D. BK. 4974 PG. 2606

KATHERINE NADEAU TRUSTEE

R.C.R.D. BK. 5647 PG. 2275

	CURVE TABLE						
CURVE	ARC LENGTH	RADIUS	DELTA ANGLE	CHORD BEARING	CHORD LENGTH		
C1	29.25 '	20.00'	083*48'25"	S75°49'23"E	26.72'		
C2	176.73 '	363.00'	027 * 53'42"	N76″13'15"E	174.99'		
C3	22.02'	15.00'	084°06'37"	N48°06'48"E	20.10'		
C4	90.47'	188.00'	027•34'14"	N07*29'03"W	89.60'		
C5	444.72'	303.00'	084°05'41"	N75°43'00"W	405.87'		

NO	TES:	
1.	REFERENCE:	TAX MAP 291, LOT 1 & LOT 1–1 LAFAYETTE ROAD PORTSMOUTH, NH
2.	TOTAL PARCEL AREA	PRIOR TO SUBDIVISION: TAX MAP 291 LOT 1 = 764,798 SQ. FT. OR 17.56 AC. TAX MAP 291 LOT 1–1 = 1,179,324 SQ. FT. OR 27.07 AC.
	PROPOSED PARCEL AF	REAS:TAX MAP 291 LOT 1= 626,374SQ. FT. OR 14.40AC.TAX MAP 291 LOT 1-1= 1,163,825SQ. FT. OR 26.72AC.TAX MAP 291 LOT 1-2= 74,148SQ. FT. OR 1.70AC.RIGHT OF WAY= 78,775SQ. FT. OR 1.81AC.
3.	OWNER OF RECORD:	SERVICE CREDIT UNION 3003 LAFAYETTE ROAD PORTSMOUTH, NH 03801 R.C.R.D. BK. 4932 PG. 2469 (LOT 1) R.C.R.D. BK. 5258 PG. 349 (LOT 1) R.C.R.D. BK. 5423 PG. 1976 (LOT 1–1)
4.		MED BY S.N.F. & L.P.S. DURING JUNE & JULY 2018 USING A DATA COLLECTOR AND A SOKKIA B21 AUTO LEVEL. TRAVERS SIS.
5.		AL JURISDICTIONAL BOUNDARIES WERE DELINEATED BY MARC 90. IN NOVEMBER 2015 ACCORDING TO THE STANDARD OF TH

TRIMBLE S6 TOTAL STATION RSE ADJUSTMENT BASED ON

JACOBS, CERTIFIED WETLAND THE US ARMY CORPS OF ENGINEERS - WETLAND DELINEATION MANUAL, TECHNICAL REPORT T-87-1, JANUARY 1987; THE REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, VERSION 2.0, JANUARY 2012; NH RSA 482-A:; THE CODE OF ADMINISTRATIVE RULES, NH DEPARTMENT OF ENVIRONMENTAL SERVICES-WETLANDS BUREAU - CHAPTER ENV-WT 100-900; AND ARTICLE 10, SECTION 10.1010 OF THE PORTSMOUTH ZONING ORDINANCE. PREDOMINANT HYDRIC SOILS WERE IDENTIFIED UTILIZING THE FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND, VERSION 3, APRIL 2004 AND THE FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, VERSION 7, 2010. THE INDICATOR STATUS OF HYDROPHYTIC VEGETATION WAS DETERMINED ACCORDING TO THE U.S. ARMY CORPS OF ENIGINEERS - NORTHCENTRAL AND NORTHEAST 2014 REGIONAL WETLAND PLANT LIST. COPIES OF SITE PLANS DEPICTING THE WETLAND DELINEATION WHICH HAVE BEEN REVIEWED BY THE WETLAND SCIENTIST ARE INDIVIDUALLY STAMPED, SIGNED AND DATED.

- 6. HORIZONTAL DATUM BASED ON PLAN REFERENCE 1

- BY CONNECTING THROUGH LONGMEADOW ROAD.
- DEEDS.
- PRODUCED AT THE DISCRETION OF DOUCET SURVEY, LLC).
- 1-888-DIG-SAFE.
- FALLING WITHIN THE SPECIFIED TOPOGRAPHIC SURVEY LIMITS.
- 1977. R.C.R.D. BOOK 2307, PAGE 1852.

7. VERTICAL DATUM IS BASED ON NGVD 29 (SURVEY DISK "GPS ROBE, 379-0870").

8. FLOOD HAZARD ZONE: "X" & "A", PER FIRM MAP 33015C0270E, DATED 5/17/05.

9. THE INTENT OF THIS PLAN IS TO CREATE A NEW RIGHT OF WAY TO CONNECT U.S. ROUTE 1 TO LANG ROAD

10. DUE TO THE COMPLEXITY OF RESEARCHING ROAD RECORDS AS A RESULT OF INCOMPLETE, UNORGANIZED, INCONCLUSIVE, OBLITERATED, OR LOST DOCUMENTS, THERE IS AN INHERENT UNCERTAINTY INVOLVED WHEN ATTEMPTING TO DETERMINE THE LOCATION AND WIDTH OF A ROADWAY RIGHT OF WAY. THE EXTENT OF (THE ROAD(S)) AS DEPICTED HEREON IS/ARE BASED ON RESEARCH CONDUCTED AT THE ROCKINGHAM REGISTRY OF

11. FINAL MONUMENTATION MAY BE DIFFERENT THAN THE PROPOSED MONUMENTATION SHOWN HEREON, DUE TO THE FACT THAT SITE CONDITIONS WILL DICTATE THE ACTUAL LOCATION AND TYPE OF MONUMENTS INSTALLED IN THE FIELD. PLEASE REFER TO EITHER THE "MONUMENTATION LOCATION PLAN" TO BE RECORDED OR CONTACT DOUCET SURVEY, INC. FOR CLARIFICATION OF MONUMENTS SET. (A RECORDED PLAN WILL BE

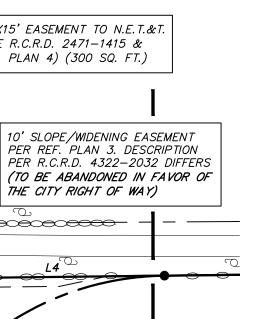
12. ALL ELECTRIC, GAS, TEL. WATER, SEWER AND DRAIN SERVICES ARE SHOWN IN SCHEMATIC FASHION, THEIR LOCATIONS ARE NOT PRECISE OR NECESSARILY ACCURATE. NO WORK WHATSOEVER SHALL BE UNDERTAKEN ON THIS SITE USING THIS PLAN TO LOCATE THE ABOVE SERVICES. CONSULT WITH THE PROPER AUTHORITIES CONCERNED WITH THE SUBJECT SERVICE LOCATIONS FOR INFORMATION REGARDING SUCH. CALL DIG-SAFE AT

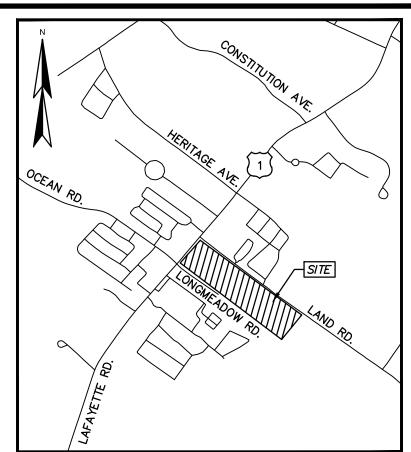
13. BUILDING LOCATION, PARKING LOT AND SIDEWALKS ON SERVICE CREDIT UNION SITE ARE BASED ON DATA PROVIDED BY TIGHE & BOND. THE LOCATIONS THEREOF WERE NOT FIELD VERIFIED BY DOUCET SURVEY UNLESS

14. RIGHTS MAY EXIST FOR CONSTRUCTION OF A DAM PER NHDES ORDER "DAM #119.06" DATED FEBRUARY 15,

REFERENCE PLANS:

- 1. "TOPOGRAPHIC PLAN FOR SERVICE CREDIT UNION OF 2995 LAYAFAYETTE ROAD/US ROUTE 1, PORTSMOUTH, NEW HAMPSHIRE" DATED JANUARY 8, 2010 BY DOUCET SURVEY, INC.
- 2. "LOT LINE RELOCATION PLAN FOR RALPH'S TRUCK SALES, INC., ET AL" DATED AUGUST 26, 1999 BY MILLETTE, SPRAGUE & COLWELL, INC. R.C.R.D. PLAN D-27623.
- 3. "EASEMENT PLAN FOR RALPH'S TRUCK SALES INC., SIEGEL LIMITED PARTNERSHIP OCEAN CASTLE LIMITED PARTNERSHIP, AND LANG + LONG MEADOW DEVELOPMENT LLC, LANG ROAD AND LONG MEADOW ROAD, COUNTY OF ROCKINGHAM, PORTSMOUTH, NH" DATED AUGUST 26, 2003 AND REVISED THROUGH 7/08/04 BY MILLETTE, SPRAGUE & COLWELL, INC. . R.C.R.D. PLAN D-31845.
- 4. "PLAN OF PORTSMOUTH FG-F-001(5) P-3844" DATED 4-13-84. R.C.R.D. PLAN D-17184. TAKINGS ALONG THE SUBJECT PREMISES ARE PER R.C.R.D. BK. 2592 PG. 213 & BK. 2908 PG. 014.
- 5. "SUBDIVISION PLAN FOR RALPH'S TRUCK SALES, INC. 2995 LAFAYETTE ROAD, COUNTY OF ROCKINGHAM, PORTSMOUTH, NH" DATED JANUARY 14, 1987 WITH A REVISION OF 4/7/97 BY RICHARD P. MILLETTE AND ASSOCIATES. R.C.R.D. PLAN D-25389.
- 6. "SUBDIVISION OF LAND PORTSMOUTH, NH FOR LONGMEADOW, INC." DATED DECEMBER 1976 BY JOHN W. DURGIN. R.C.R.D. PLAN D-7743.
- 7. "BOUNDARY PLAN FOR THE CITY OF PORTSMOUTH OF TAX MAP 291 LOT 1 & LOT 1-1 LAFAYETTE ROAD (US ROUTE 1), LONGMEADOW ROAD & LANG ROAD PORTSMOUTH, NEW HAMPSHIRE" DATED SEPTEMBER 6, 2018 BY DOUCET SURVEY, INC.

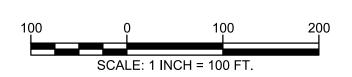




LOCATION MAP (n.t.s.)

<u>LEGEND</u>

	LOT LINE PROPOSED LOT LINE LOT LINE TO BE ABANDONED EXISTING EASEMENT LINE PROPOSED EASEMENT LINE APPROXIMATE ABUTTERS LOT LINE STONE WALL REMNANT STONE WALL EDGE OF WETLAND EDGE OF WATER STREAM
	WETLAND AREA
	UTILITY POLE
—	BOUND FOUND
۲	DRILL HOLE
0	IRON PIPE/ROD FOUND
GRAN.	GRANITE
	CONCRETE
	BOUND FOUND
D.H.F. D.H.S.	DRILL HOLE FOUND DRILL HOLE SET
D.H.S. I.P.F.	IRON PIPE FOUND
ı. г .г.	5/8" REBAR W/ ID CAP OR OTHER
•	SUITABLE MONUMENT TO BE SET



SUBDIVISION PLAN OF SERVICE FEDERAL CREDIT UNION (TAX MAP 291 LOT 1 & LOT 1-1)

FOR THE CITY OF PORTSMOUTH LAFAYETTE ROAD (US ROUTE 1), LONGMEADOW ROAD & LANG ROAD PORTSMOUTH, NEW HAMPSHIRE

3	02/11/21	ISS	SUE MYLAR	M.T.L.		
2	11/04/20	ADD ADDI	TIONAL EASEMENTS	M.T.L.		
1	03/15/19	ADD PROPOSED	DRAINAGE EASEMENT B	M.T.L.		
NO.	DATE	DE	ESCRIPTION	BY		
	WN BY:	M.T.L.	JANUARY 10, 20	019		
CHE	CKED BY:	J.F.K.	5539B DRAWING NO.:			
JOB	5539 1 3 JOB NO.: 5539 5HEET OF					
	DOUCET BURVEY Serving Your Professional Surveying & Mapping Needs					
2 Co	102 Kent Place, Newmarket, NH 03857 (603) 659-6560 2 Commerce Drive (Suite 202) Bedford, NH 03110 (603) 614-4060					

10 Storer Street (Riverview Suite) Kennebunk, ME (207) 502-7005

http://www.doucetsurvey.com

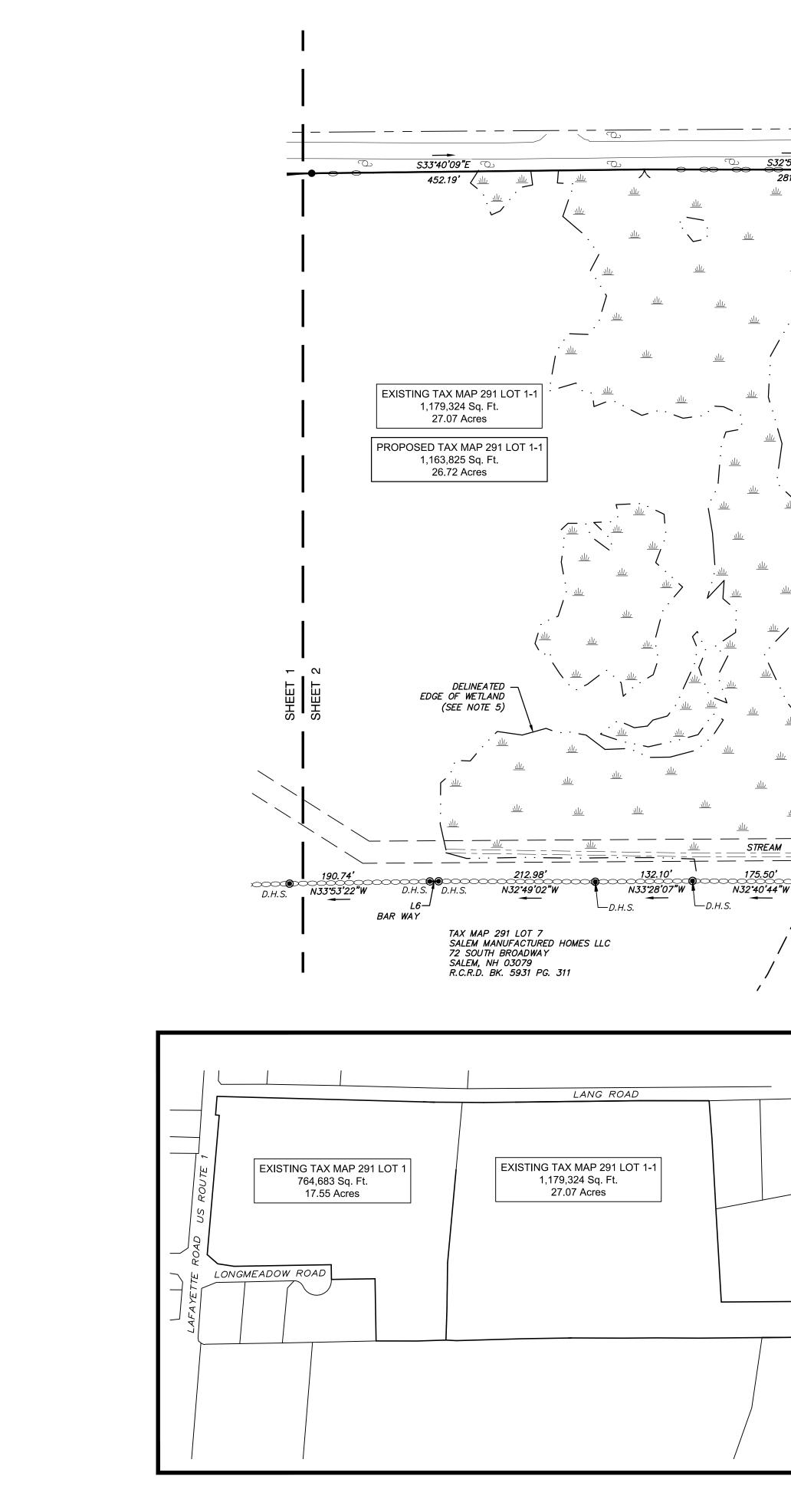


I CERTIFY THAT THIS SURVEY AND PLAN WERE PREPARED BY ME OR BY THOSE UNDER MY DIRECT SUPERVISION AND FALLS UNDER THE URBAN SURVEY CLASSIFICATION OF THE NH CODE OF ADMINISTRATIVE RULES OF THE BOARD OF LICENSURE FOR LAND SURVEYORS. I CERTIFY THAT THIS SURVEY WAS MADE ON THE GROUND AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. RANDOM TRAVERSE SURVEY BY TOTAL STATION, WITH A PRECISION GREATER THAN 1:15,000.

> ohn Kaiser ___L.L.S. #937

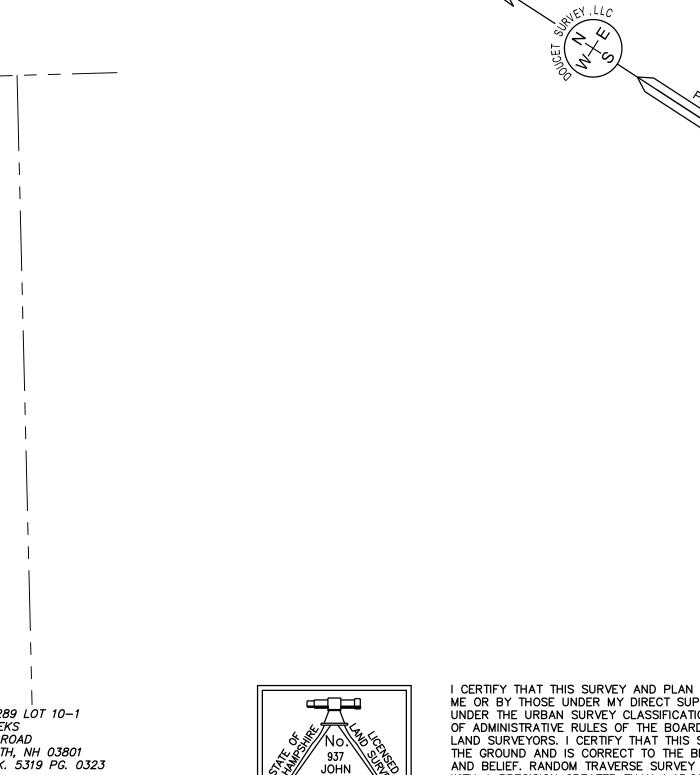
> > __DATE

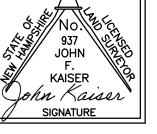
THE CERTIFICATIONS SHOWN HEREON ARE INTENDED TO MEET REGISTRY OF DEED REQUIREMENTS AND ARE NOT A CERTIFICATION TO TITLE OR OWNERSHIP OF PROPERTY SHOWN. OWNERS OF ADJOINING PROPERTIES ARE ACCORDING TO CURRENT TOWN ASSESSORS RECORDS.



						LINE BEARING	
		LANG	ROAD				
<u>S32'56'11"E</u> 281.16' <u>ш</u>	1" I.P.F. UP 4" 552'41'5'9"W	EANG ⇒⊂●	5/8" REBAR UP 6" W/CAP BERRY SURVEY	\ \ \ \			
	D.H.F. 286.51 TAX MAP 287 LOT 4-4 JEFFERY E. FOYE JOCELYM L. FOYE						
	D.H.F.			/			
			TAX MAP 287 LOT 4– RICHARD E. CLARK ES KASIA L. CLARK	50		DFBRA	 289 LOT 10–1 WEEKS IG ROAD
	D.H.F. S3	00.58'		301 2. 1066 531°45'23"E 325.85'		28'23"E	IG ROAD ОИТН, NH 03801 ВК. 5319 PG. 032
<u>₩</u> REAM = <u>₩</u> = / 50' 0'44"W / D.H	$ \begin{array}{c} \\ $		DGE OF WATER 	TAX MAP 290 LOT 2 GREENVILLE INVESTME GLENN N. GIDLEY TRU	-	130.97 S61'130	
, /				GLENN N. GIDLEY IRU PO BOX 54 SALEM, NH 03079 R.C.R.D. BK. 5617 PC	557EE 5. 1039		
		LONGMEADO	DPOSED TAX MAP 291 LOT 1 627,259 Sq. Ft. 14.40 Acres		LANG ROAD ED TAX MAP 291 LOT 1-1 1,163,825 Sq. Ft. 26.72 Acres		
		LAFAYE		PROPOSED TAX MAP 291 LOT 1-2 78,148 Sq. Ft. 1.70 Acres ED RIGHT OF WAY . Ft.			
	KFY	PLAN					

KEY PLAN SCALE: 1" = 300'

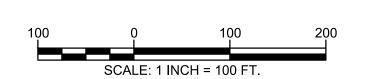




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John Kaiser	L.L.S. # 937
	DATE
CERTIFICATIONS SHOWN HEREON	

THE CERTIFICATIONS SHOWN HEREON ARE INTENDED TO MEET REGISTRY OF DEED REQUIREMENTS AND ARE NOT A CERTIFICATION TO TITLE OR OWNERSHIP OF PROPERTY SHOWN. OWNERS OF ADJOINING PROPERTIES ARE ACCORDING TO CURRENT TOWN ASSESSORS RECORDS.



SUBDIVISION PLAN OF SERVICE FEDERAL CREDIT UNION

(TAX MAP 291 LOT 1 & LOT 1-1) FOR THE CITY OF PORTSMOUTH

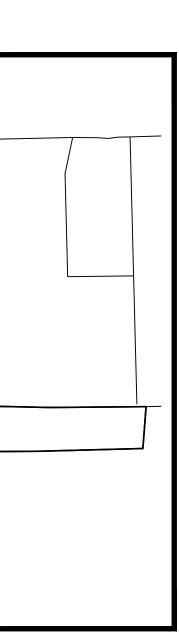
LAFAYETTE ROAD (US ROUTE 1), LONGMEADOW ROAD & LANG ROAD PORTSMOUTH, NEW HAMPSHIRE

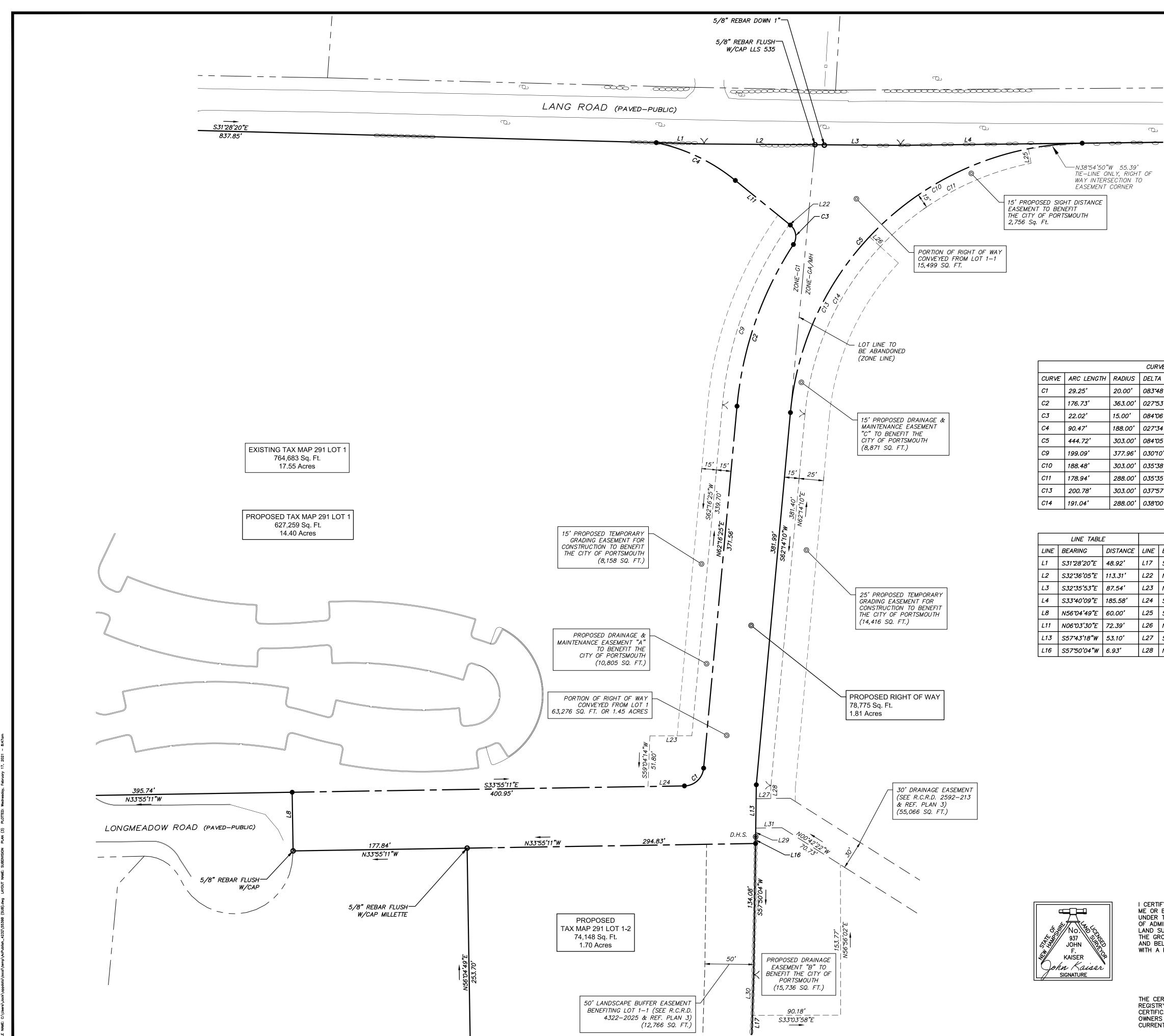
3	02/11/21	ISS	SUE MYLAR	M.T.L			
2	11/04/20	ADD ADDI	TIONAL EASEMENTS	M.T.L			
1	03/15/19	ADD PROPOSED	DRAINAGE EASEMENT B	M.T.L			
NO.	DATE	DE	ESCRIPTION	BY			
DRA	DRAWN BY: M.T.L. JANUARY 10, 2019						
J.F.K. CHECKED BY:			5539E DRAWING NO.:	3			
JOB I	5539 2 3 JOB NO.: 5539 DF						
	SURVEY						
	Servina Ya	•	Surveying & Mapping Need	s			
			t, NH 03857 (603) 659-656				
200			adfard NILL 02110 (602) 61	1 1000			

2 Commerce Drive (Suite 202) Bedford, NH 03110 (603) 614-4060 10 Storer Street (Riverview Suite) Kennebunk, ME (207) 502-7005 http://www.doucetsurvey.com



LINE TABLE





VE TABLE	Æ TABLE					
A ANGLE	CHORD BEARING	CHORD LENGTH				
8'25"	S75 ° 49'23"E	26.72'				
3'42"	N76¶3'15"E	174.99'				
6'37"	N48°06'48"E	20.10'				
4'14"	N07*29'03"W	89.60'				
5'41"	N75*43'00"W	405.87'				
0'48"	S77°21'43"W	196.79'				
8'23"	N61*58'42"W	185.45'				
5'54"	S61*57'28"E	176.07'				
7'56"	S81¶3'08"W	197.12'				
0'25"	S81"14'22"W	187.56'				

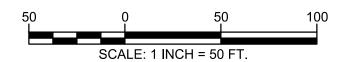
LINE TABLI	Ξ	LINE TABLE			
BEARING	DISTANCE	LINE	BEARING	DISTANCE	
S58 * 49'05"W	120.88'	L29	S57 ° 43'18"W	8.81'	
N06°03'30"E	1.25'	L30	S58 ° 49'05"W	41.48'	
N33°07'59"W	42.91'	L31	N33 ° 50'11"W	26.74'	
S33*55'11"E	37.20'				
S45 ° 50'29"W	15.00'				
N09 ° 24'20"E	15.00'				
S33*50'11"E	15.01'				
N57 ° 43'18"E	13.28'				

I CERTIFY THAT THIS SURVEY AND PLAN WERE PREPARED BY ME OR BY THOSE UNDER MY DIRECT SUPERVISION AND FALLS UNDER THE URBAN SURVEY CLASSIFICATION OF THE NH CODE OF ADMINISTRATIVE RULES OF THE BOARD OF THE NH CODE OF ADMINISTRATIVE RULES OF THE BOARD OF LICENSURE FOR LAND SURVEYORS. I CERTIFY THAT THIS SURVEY WAS MADE ON THE GROUND AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. RANDOM TRAVERSE SURVEY BY TOTAL STATION, WITH A PRECISION GREATER THAN 1:15,000.

John Kaiser __L.L.S. **#**937

THE CERTIFICATIONS SHOWN HEREON ARE INTENDED TO MEET REGISTRY OF DEED REQUIREMENTS AND ARE NOT A CERTIFICATION TO TITLE OR OWNERSHIP OF PROPERTY SHOWN. OWNERS OF ADJOINING PROPERTIES ARE ACCORDING TO CURRENT TOWN ASSESSORS RECORDS.

DATE



SUBDIVISION PLAN OF

SERVICE FEDERAL CREDIT UNION (TAX MAP 291 LOT 1 & LOT 1-1) FOR THE

CITY OF PORTSMOUTH LAFAYETTE ROAD (US ROUTE 1), LONGMEADOW ROAD & LANG ROAD PORTSMOUTH, NEW HAMPSHIRE

3	02/11/21	IS	SUE MYLAR	M.T.L.		
2	11/04/20	ADD ADDI	TIONAL EASEMENTS	M.T.L.		
1	03/15/19	ADD PROPOSED	DRAINAGE EASEMENT B	M.T.L.		
NO.	DATE	DE	ESCRIPTION	BY		
DRAV	DRAWN BY: M.T.L. JANUARY 10, 20					
J.F.K. DRAWING NO.: 5			5539E DRAWING NO.:	3		
JOB 1	5539 3 3 JOB NO.: 3 3					
	DOUCET DOUCET SURVEY Serving Your Professional Surveying & Mapping Needs					

102 Kent Place, Newmarket, NH 03857 (603) 659-6560 2 Commerce Drive (Suite 202) Bedford, NH 03110 (603) 614-4060 10 Storer Street (Riverview Suite) Kennebunk, ME (207) 502-7005 http://www.doucetsurvey.com

1.	GENERAL NOTES: THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE AND THE LOCATIONS ARE NOT	9.	CONTRACTOR TO
Τ.	GUARANTEED BY THE OWNER OR THE ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO		ALL LIGHT POLE
	LOCATE ALL UTILITIES, ANTICIPATE CONFLICTS, REPAIR EXISTING UTILITIES AND RELOCATE EXISTING UTILITIES REQUIRED TO COMPLETE THE WORK.	11.	ALL DIMENSION
2	COORDINATE ALL WORK WITHIN PUBLIC BIGHT OF WAYS WITH THE CITY OF PORTSMOUTH.		
$\binom{3}{3}$	THE CONTRACTOR SHALL EMPLOY A NEW HAMPSHIRE LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER TO DETERMINE ALL LINES AND GRADES.	1.	COMPACTION RE
$\underbrace{\checkmark}_{4.}$	THE CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES. CALL DIG SAFE AT LEAST		BELOW PAVED O
5.	72 HOURS PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION/CONSTRUCTION ACTIVITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES AND COMPLY WITH THE		SAND BLANKET
	CONDITIONS OF ALL OF THE PERMIT APPROVALS.	*	BELOW LOAM AN ALL PERCENTAG
6.	THE CONTRACTOR SHALL OBTAIN AND PAY FOR AND COMPLY WITH ADDITIONAL PERMITS, NOTICES AND FEES NECESSARY TO COMPLETE THE WORK AND ARRANGE FOR AND PAY FOR		MOISTURE CONT
7.	NECESSARY INSPECTIONS AND APPROVALS FROM THE AUTHORITIES HAVING JURISDICTION. THE CONTRACTOR SHALL PHASE DEMOLITION AND CONSTRUCTION AS REQUIRED TO PROVIDE		METHOD C FIELD ASTM-2922.
/.	CONTINUOUS SERVICE TO EXISTING BUSINESSES AND HOMES THROUGHOUT THE CONSTRUCTION	2.	ALL STORM DRA OR EQUAL) OR R
	PERIOD. EXISTING BUSINESS AND HOME SERVICES INCLUDE, BUT ARE NOT LIMITED TO ELECTRICAL, COMMUNICATION, FIRE PROTECTION, DOMESTIC WATER AND SEWER SERVICES.	3.	ADJUST ALL MAN
	TEMPORARY SERVICES, IF REQUIRED, SHALL COMPLY WITH ALL FEDERAL, STATE, LOCAL AND UTILITY COMPANY STANDARDS. CONTRACTOR SHALL PROVIDE DETAILED CONSTRUCTION	Л	GRADE. CONTRACTOR SH
	SCHEDULE TO OWNER PRIOR TO ANY DEMOLITION/CONSTRUCTION ACTIVITIES AND SHALL	т.	SPOTS AND PON
	COORDINATE TEMPORARY SERVICES TO ABUTTERS WITH THE UTILITY COMPANY AND AFFECTED ABUTTER.	5.	AND LOADING D
8.	ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE CITY OF PORTSMOUTH		FERTILIZER AND
	HAMPSHIRE DEPARTMENT OF TRANSPORTATION, "STANDARD SPECIFICATIONS OF ROAD AND	6.	ALL STORM DRA
9.	BRIDGE CONSTRUCTION", CURRENT EDITION. CONTRACTOR TO SUBMIT AS-BUILT PLANS IN DIGITAL FORMAT (.DWG AND .PDF FILES) ON DISK	7.	ALL PROPOSED (SUMPS.
	TO THE OWNER AND ENGINEER UPON COMPLETION OF THE PROJECT. AS-BUILTS SHALL BE IN STATE PLANE COORDINATES AND PREPARED AND CERTIFIED BY A NEW HAMPSHIRE LICENSED		30MF3.
	LAND SURVEYOR.	_	
10.	CONTRACTOR SHALL THOROUGHLY CLEAN ALL CATCH BASINS AND DRAIN LINES, WITHIN THE LIMIT OF WORK, OF SEDIMENT IMMEDIATELY UPON COMPLETION OF CONSTRUCTION.	1.	SEE SHEET C-50
11.	SEE EXISTING CONDITIONS PLAN FOR BENCH MARK INFORMATION.		
		1.	• WATER - CITY
1.	DEMOLITION NOTES: EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF ANY CLEARING OR		• ELECTRIC - EVE
	DEMOLITION ACTIVITIES.	2	
2.	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	2. 3.	ALL WATER MAIN
3.	IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS, ORDINANCES AND CODES COORDINATE REMOVAL, RELOCATION, DISPOSAL OR SALVAGE OF UTILITIES WITH THE OWNER	•	CONSTRUCTION CHLORINATION
э.	, , ,	4.	CONNECTION TO
4.	ANY EXISTING WORK OR PROPERTY DAMAGED OR DISRUPTED BY CONSTRUCTION/ DEMOLITION ACTIVITIES SHALL BE REPLACED OR REPAIRED TO MATCH ORIGINAL EXISTING CONDITIONS BY	5	STANDARDS. EXISTING UTILIT
	THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.		OF PUBLIC WOR
5.	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	6.	ALL ELECTRICAL LATEST EDITION
~	CONCRETE TO REMAIN.	7.	THE CONTRACTO
6.	THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND OFF-SITE DISPOSAL OF MATERIALS REQUIRED TO COMPLETE THE WORK, EXCEPT FOR WORK NOTED TO BE COMPLETED BY		COVER PLATES, DRAWINGS TO R
7.	OTHERS. UTILITIES SHALL BE TERMINATED AT THE MAIN LINE PER UTILITY COMPANY AND CITY OF	8.	A 10-FOOT MINI
/.	PORTSMOUTH STANDARDS. THE CONTRACTOR SHALL REMOVE ALL ABANDONED UTILITIES		WATER AND SAN SEPARATION SH
8.	LOCATED WITHIN THE LIMITS OF WORK UNLESS OTHERWISE NOTED. CONTRACTOR SHALL VERIFY ORIGIN OF ALL DRAINS AND UTILITIES PRIOR TO	9.	SAW CUT AND R UTILITIES LOCAT
0.	REMOVAL/TERMINATION TO DETERMINE IF DRAINS OR UTILITY IS ACTIVE, AND SERVICES ANY ON	10.	HYDRANTS, GAT
	OR OFF-SITE STRUCTURE TO REMAIN. THE CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY SUCH UTILITY FOUND AND SHALL MAINTAIN THESE UTILITIES UNTIL PERMANENT	11	PORTSMOUTH. CONTRACTOR SH
9.	SOLUTION IS IN PLACE. PAVEMENT REMOVAL LIMITS ARE SHOWN FOR CONTRACTOR'S CONVENIENCE. ADDITIONAL	11.	CONDUIT CONST
9.	PAVEMENT REMOVAL MAY BE REQUIRED DEPENDING ON THE CONTRACTOR'S OPERATION.	12.	WIRE RELOCATIO
10.	CONTRACTOR TO VERIFY FULL LIMITS OF PAVEMENT REMOVAL PRIOR TO BID. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING STRUCTURES, CONCRETE PADS,		LIGHT HEAD. LEI
10.	UTILITIES AND PAVEMENT WITHIN THE WORK LIMITS SHOWN UNLESS SPECIFICALLY IDENTIFIED		
		1.	THE CONTRACTO
11	FENCES, RAMPS, WALLS, BOLLARDS, BUILDING SLABS, FOUNDATION, TREES AND LANDSCAPING. REMOVE TREES AND BRUSH AS REQUIRED FOR COMPLETION OF WORK. CONTRACTOR SHALL GRUB		PLAN. NO SUBST BE NURSERY GR
11.	AND REMOVE ALL STUMPS WITHIN LIMITS OF WORK AND DISPOSE OF OFF SITE IN ACCORDANCE	2.	ALL PLANTS SHA
12.	WITH FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS. CONTRACTOR SHALL PROTECT ALL PROPERTY MONUMENTATION THROUGHOUT DEMOLITION AND		THE AMERICAN A SIZE, HEALTH, S
	CONSTRUCTION OPERATIONS. SHOULD ANY MONUMENTATION BE DISTURBED BY BY THE	3.	ARCHITECT PRIC
	CONTRACTOR, THE CONTRACTOR SHALL EMPLOY A NEW HAMPSHIRE LICENSED SURVEYOR TO REPLACE DISTURBED MONUMENTS.	J.	PLANT HARDINES
13.	PROVIDE INLET PROTECTION BARRIERS AT ALL CATCH BASINS/CURB INLETS WITHIN CONSTRUCTION LIMITS AS WELL AS CATCH BASINS/CURB INLETS THAT MAY RECEIVE RUNOFF	4.	RESEARCH SERV PLANT MATERIAL
	FROM CONSTRUCTION ACTIVITIES. INLET PROTECTION BARRIERS SHALL BE MAINTAINED FOR THE		PLANTING GRAD
	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	5.	THE NUMBER 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		THE NUMBER OF DRAWINGS, THE
	OR MORE OFTEN IF THE FABRIC BECOMES CLOGGED OR SEDIMENT HAS ACCUMULATED TO 1/3 THE	6.	NO SUBSTITUTIO
14.	DESIGN DEPTH OF THE BARRIER. THE CONTRACTOR SHALL PAY ALL COSTS NECESSARY FOR TEMPORARY PARTITIONING,	7.	APPROVAL OF THE CONTRACTO
	BARRICADING, FENCING, SECURITY AND SAFETY DEVICES REQUIRED FOR THE MAINTENANCE OF A CLEAN AND SAFE CONSTRUCTION SITE.	/.	UNDERGROUND
15.	SAW CUT AND REMOVE PAVEMENT AND CONSTRUCT PAVEMENT TRENCH PATCH FOR ALL UTILITIES		MIGHT OCCUR B OWNER SO THAT
16	TO BE REMOVED AND PROPOSED UTILITIES LOCATED IN EXISTING PAVEMENT AREAS TO REMAIN. THE CONTRACTOR SHALL REMOVE AND SALVAGE EXISTING GRANITE CURB FOR REUSE.	8.	ALL DISTURBED
10.	THE CONTRACTOR SHALL REMOVE AND SALVAGE EXISTING GRANITE CORD FOR REUSE.	9.	AND SEED. NO F THREE INCHES (
	SITE NOTES:		SPECIFIED IN TH
1.	PAVEMENT MARKINGS SHALL BE INSTALLED AS SHOWN, INCLUDING PARKING SPACES, STOP BARS, ADA SYMBOLS, PAINTED ISLANDS, FIRE LANES, CROSS WALKS, ARROWS, LEGENDS AND		JHGHESOFLOAD
	CENTERLINES. ALL MARKINGS EXCEPT CENTERLINE AND MEDIAN ISLANDS TO BE CONSTRUCTED USING WHITE PAVEMENT MARKINGS. ALL THERMOPLASTIC PAVEMENT MARKINGS INCLUDING	./ 10	SEE PLANTING
	LEGENDS, ARROWS, CROSSWALKS AND STOP BARS SHALL MEET THE REQUIREMENTS OF AASHTO		REE STAKES SH
	M249. ALL PAINTED PAVEMENT MARKINGS INCLUDING CENTERLINES, LANE LINES AND PAINTED MEDIANS SHALL MEET THE REQUIREMENTS OF AASHTO M248 TYPE "F".	12.	PLANTING SHALL
2.	ALL PAVEMENT MARKINGS AND SIGNS TO CONFORM TO "MANUAL ON UNIFORM TRAFFIC CONTROL	13.	PARKING AREA P
	DEVICES", "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS", AND THE AMERICANS WITH DISABILITIES ACT REQUIREMENTS, LATEST EDITIONS.		INCHES OF THE
3.		14.	TREES SHALL BE
		15	SHRUBS AND OT
	SEE DETAILS FOR PAVEMENT MARKINGS, ADA SYMBOLS, SIGNS AND SIGN POSTS.		PLANTING. ALL F
	CENTERLINES SHALL BE FOUR (4) INCH WIDE YELLOW LINES. PAINTED ISLANDS SHALL BE FOUR (4) INCH WIDE DIAGONAL LINES AT 3'-0" O.C. BORDERED BY	-	VITH OWNER DU
	FOUR (4) INCH WIDE LINES.		XISTING TREES
	STOP BARS SHALL BE EIGHTEEN (18) INCHES WIDE, WHITE THERMOPLASTIC AND CONFORM TO CURRENT MUTCD STANDARDS.	\smile	PLACED AT THE
8.	CLEAN AND COAT VERTICAL FACE OF EXISTING PAVEMENT AT SAW CUT LINE WITH RS-1 EMULSION IMMEDIATELY PRIOR TO PLACING NEW BITUMINOUS CONCRETE.		EXISTING TREE
	INTERIOR TO LEADING NEW DITOPINOUS CONCRETE.		 .

- AND PADS HAVE BEEN STRIPPED.
- IS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.

GRADING AND DRAINAGE NOTES:

- EQUIREMENTS: OR CONCRETE AREAS NG MATERIAL AND BACKFILL
- ND SEED AREAS
- RCP CLASS IV, UNLESS OTHERWISE SPECIFIED. NHOLES, CATCH BASINS, CURB BOXES, ETC. WITHIN LIMITS OF WORK TO FINISH.
- DOCK AREAS ADJACENT TO THE BUILDING.
- MULCH.
- IS FOR HIGHWAYS AND BRIDGES, LATEST EDITION.

- OF PORTSMOUTH
- ERSOURCE

ONS - FAIRPOINT & COMCAST IN INSTALLATIONS SHALL BE CLASS 52, CEMENT LINED DUCTILE IRON PIPE. IN INSTALLATIONS SHALL BE PRESSURE TESTED AND CHLORINATED AFTER PRIOR TO ACTIVATING THE SYSTEM. CONTRACTOR SHALL COORDINATE AND TESTING WITH THE CITY OF PORTSMOUTH WATER DEPARTMENT. O EXISTING WATER MAIN SHALL BE CONSTRUCTED TO THE CITY OF PORTSMOUTH

TIES TO BE REMOVED SHALL BE CAPPED AT THE MAIN AND MEET THE DEPARTMENT RKS STANDARDS FOR CAPPING OF WATER AND SEWER SERVICES. MATERIAL WORKMANSHIP SHALL CONFORM TO THE NATIONAL ELECTRIC CODE, , AND ALL APPLICABLE STATE AND LOCAL CODES. OR SHALL PROVIDE AND INSTALL ALL MANHOLES, BOXES, FITTINGS, CONNECTORS, AND OTHER MISCELLANEOUS ITEMS NOT NECESSARILY DETAILED ON THESE RENDER INSTALLATION OF UTILITIES COMPLETE AND OPERATIONAL.

- TED IN EXISTING PAVEMENT AREAS TO REMAIN

OR SHALL FURNISH AND PLANT ALL PLANTS IN QUANTITIES AS SHOWN ON THIS TITUTIONS WILL BE PERMITTED UNLESS APPROVED BY OWNER. ALL PLANTS SHALL OWN.

- OR TO ARRIVAL ON-SITE AND AFTER PLANTING.
- DE PRIOR TO DIGGING.

EACH INDIVIDUAL PLANT TYPE AND SIZE PROVIDED IN THE PLANT LIST OR ON DR THE CONTRACTOR'S CONVENIENCE ONLY. IF A DISCREPANCY EXISTS BETWEEN PLANTS ON THE LABEL AND THE NUMBER OF SYMBOLS SHOWN ON THE GREATER NUMBER SHALL APPLY. ON OF PLANT MATERIALS WILL BE ALLOWED WITHOUT THE PRIOR WRITTEN HE OWNER'S REPRESENTATIVE. OR SHALL LOCATE, VERIFY AND MARK ALL EXISTING AND NEWLY INSTALLED UTILITIES PRIOR TO ANY LAWN WORK OR PLANTING. ANY CONFLICTS WHICH BETWEEN PLANTING AND UTILITIES SHALL IMMEDIATELY BE REPORTED TO THE FALTERNATE PLANTING LOCATIONS CAN BE DETERMINED. AREAS NOT TO BE PAVED OR OTHERWISE TREATED, SHALL RECEIVE 6" OF LOAM FILL SHALL BE PLACED IN ANY WETLAND AREA. (3") OF BARK MULCH IS TO BE USED AROUND THE TREE AND SHRUB PLANTING AS HE DETAILS. WHERE BARK MULCH IS TO BE USED IN A CURBED ISLAND THE BARK MEET THE TOP INSIDE EDGE OF THE CURB. ALL OTHER AREAS SHALL RECEIVE 6"

DETAILS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. BE COMPLETED FROM APRIL 15TH THROUGH OCTOBER 1ST. NO PLANTING ND AUGUST UNLESS SPECIAL PROVISIONS ARE MADE FOR DROUGHT. PLANTED ISLANDS TO HAVE MINIMUM OF 1'-0" TOPSOIL PLACED TO WITHIN 3 TOP OF CURB ELEVATION. REMOVE ALL CONSTRUCTION DEBRIS BEFORE PLACING

PRUNED IN ACCORDANCE WITH THE LATEST EDITION OF ANSI A300 'TREES, THER WOOD PLANT MAINTENANCE STANDARD PRACTICES. ALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24 HOUR PERIOD AFTER PLANTS SHALL BE WATERED WEEKLY, OR MORE OFTEN, IF NECESSARY DURING THE SEASON. LANDSCAPE CONTRACTOR SHALL COORDINATE WATERING SCHEDULE URING THE ONE (1) YEAR GUARANTEE PERIOD. AND SHRUBS SHOWN ON THE PLAN ARE TO REMAIN UNDISTURBED. ALL EXISTING UBS SHOWN TO REMAIN ARE TO BE PROTECTED WITH A 4-FOOT SNOW FENCE DRIP LINE OF THE BRANCHES OR AT 8 FEET MINIMUM FROM THE TREE TRUNK. ANY OR SHRUB SHOWN TO REMAIN, WHICH IS REMOVED DURING CONSTRUCTION, ACED BY A TREE OF COMPARABLE SIZE AND SPECIES TREE OR SHRUB.

BASES NOT PROTECTED BY A RAISED CURB SHALL BE PAINTED YELLOW.

- 95%
- 95%
- 90%

GES OF COMPACTION SHALL BE OF THE MAXIMUM DRY DENSITY AT THE OPTIMUM TENT AS DETERMINED AND CONTROLLED IN ACCORDANCE WITH ASTM D-1557, D DENSITY TESTS SHALL BE MADE IN ACCORDANCE WITH ASTM D-1556 OR

HALL PROVIDE A FINISH PAVEMENT SURFACE AND LAWN AREAS FREE OF LOW NDING AREAS. CRITICAL AREAS INCLUDE BUILDING ENTRANCES, EXITS, RAMPS AREAS NOT TO BE PAVED OR OTHERWISE TREATED SHALL RECEIVE 6" LOAM, SEED

AIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NHOOT STANDARD

CATCH BASINS SHALL BE EQUIPPED WITH OIL/GAS SEPARATOR HOODS AND 4'

EROSION CONTROL NOTES:

01 FOR GENERAL EROSION CONTROL NOTES AND DETAILS.

UTILITY NOTES: LL UTILITY WORK WITH APPROPRIATE UTILITY COMPANY.

IMUM EDGE TO EDGE HORIZONTAL SEPARATION SHALL BE PROVIDED BETWEEN ALL NITARY SEWER LINES. AN 18-INCH MINIMUM OUTSIDE TO OUTSIDE VERTICAL HALL BE PROVIDED AT ALL WATER/SANITARY SEWER CROSSINGS.

REMOVE PAVEMENT AND CONSTRUCT PAVEMENT TRENCH PATCH FOR ALL PROPOSED

TE VALVES, FITTINGS, ETC. SHALL MEET THE REQUIREMENTS OF THE CITY OF

HALL COORDINATE ALL ELECTRIC WORK INCLUDING BUT NOT LIMITED TO: TRUCTION, MANHOLE CONSTRUCTION, UTILITY POLE CONSTRUCTION, OVERHEAD ION, AND TRANSFORMER CONSTRUCTION WITH POWER COMPANY. O INSTALL AND FURNISH LIGHT POLE BASE, 24' LIGHT POLE, 8' ARM AND LED ED LIGHT HEAD TO BE PROVIDED BY THE CITY OF PORTSMOUTH.

LANDSCAPE NOTES:

ALL BE NURSERY GROWN AND PLANTS AND WORKMANSHIP SHALL CONFORM TO ASSOCIATION OF NURSERYMEN STANDARDS, INCLUDING BUT NOT LIMITED TO SHAPE, ETC., AND SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE

HALL BE GROWN WITHIN THE HARDINESS ZONES 4 THRU 7 ESTABLISHED BY THE ESS ZONE MAP, MISCELLANEOUS PUBLICATIONS NO. 814, AGRICULTURAL VICE, UNITED STATES DEPARTMENT AGRICULTURE, LATEST REVISION. SHALL BARE THE SAME RELATIONSHIP TO FINISHED GRADE AS TO THE ORIGINAL

9. CONTRACTOR TO PROVIDE BACKFILL AND COMPACTION AT CURB LINE AFTER CONCRETE FORMS 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.

REFERENCE PLANS:

AINAGE PIPES SHALL BE HIGH DENSITY POLYETHYLENE (HANCOR HI-Q, ADS N-12 1. "TOPOGRAPHIC WORKSHEET" PREPARED BY DOUCET SURVEY, INC., DATED JULY 20, 2018.

	LEGEND
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ABBREVIATIONS

TBR	TO BE REMOVED
TYP	TYPICAL
COORD	COORDINATE
VIF	VERIFY IN FIELD
CONST	CONSTRUCT
30'R	PROPOSED CURB RADIUS
VGC	PROPOSED VERTICAL GRANITE CURB
SGC	PROPOSED SLOPED GRANITE CURB
DSYL	DOUBLE SOLID YELLOW LINE
SSWL	SINGLE SOLID WHITE LINE

IMATE LIMIT OF PROPOSED WORK IG STORM DRAIN IG PROPERTY LINE IG DRAINAGE EASEMENT IG SANITARY SEWER IG OVERHEAD UTILITY ED STORM DRAIN ED WATER ED SEWER FORCE MAIN SLEEVE TY LINE ED R.O.W. ED EDGE OF PAVEMENT ED CURB ED GRAVEL DRIVE ED STONEWALL SED UNDERDRAIN SED FUTURE CONDUIT ED MAJOR CONTOUR LINE ED MINOR CONTOUR LINE

ED SILT SOCK IG EDGE OF WETLAND IMATE LIMIT OF PAVEMENT EMOVED

IMATE LIMIT OF CLEARING UBBING

ED PAVEMENT SECTION

ED PAVEMENT TO BE ACED

ED GRAVEL SECTION

ED RIPRAP

G CATCHBASIN G DRAIN MANHOLE IG SEWER MANHOLE G HYDRANT G WATER VALVE ED CATCHBASIN ED DRAIN MANHOLE ROTECTION SILT SACK ED WATER VALVE ED HYDRANT PROPOSED LIGHT POLE BASE

PROPOSED SPOT GRADE

Longmeadow Road Extension

Tighe&Bond

Engineers | Environmental Specialists

BRADLEF MEZQUITA

No. 08830

OF NEW HAM

/ PATRICK `

CRIMMINS

No. 12378

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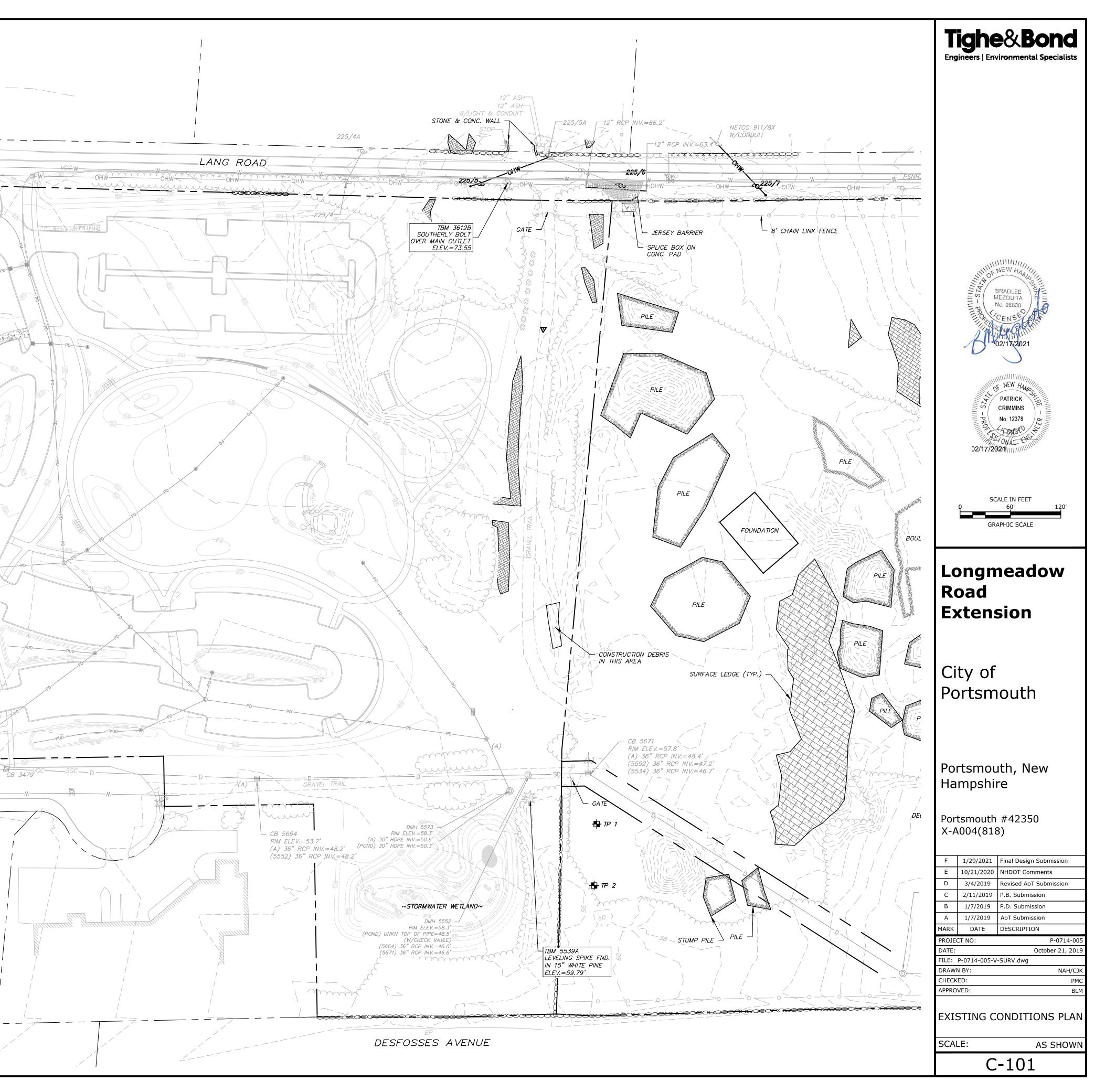
City of Portsmouth

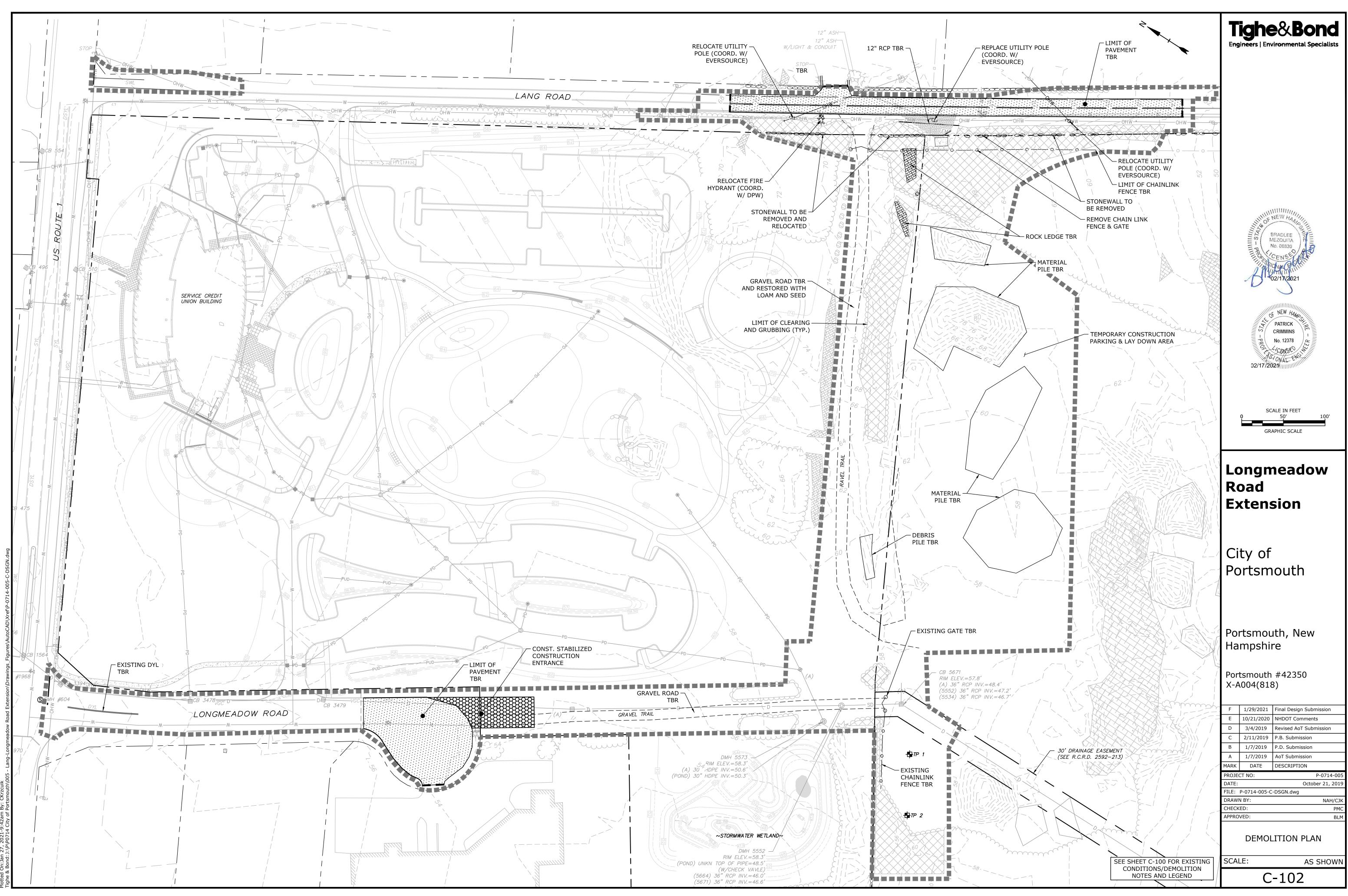
Portsmouth, New Hampshire

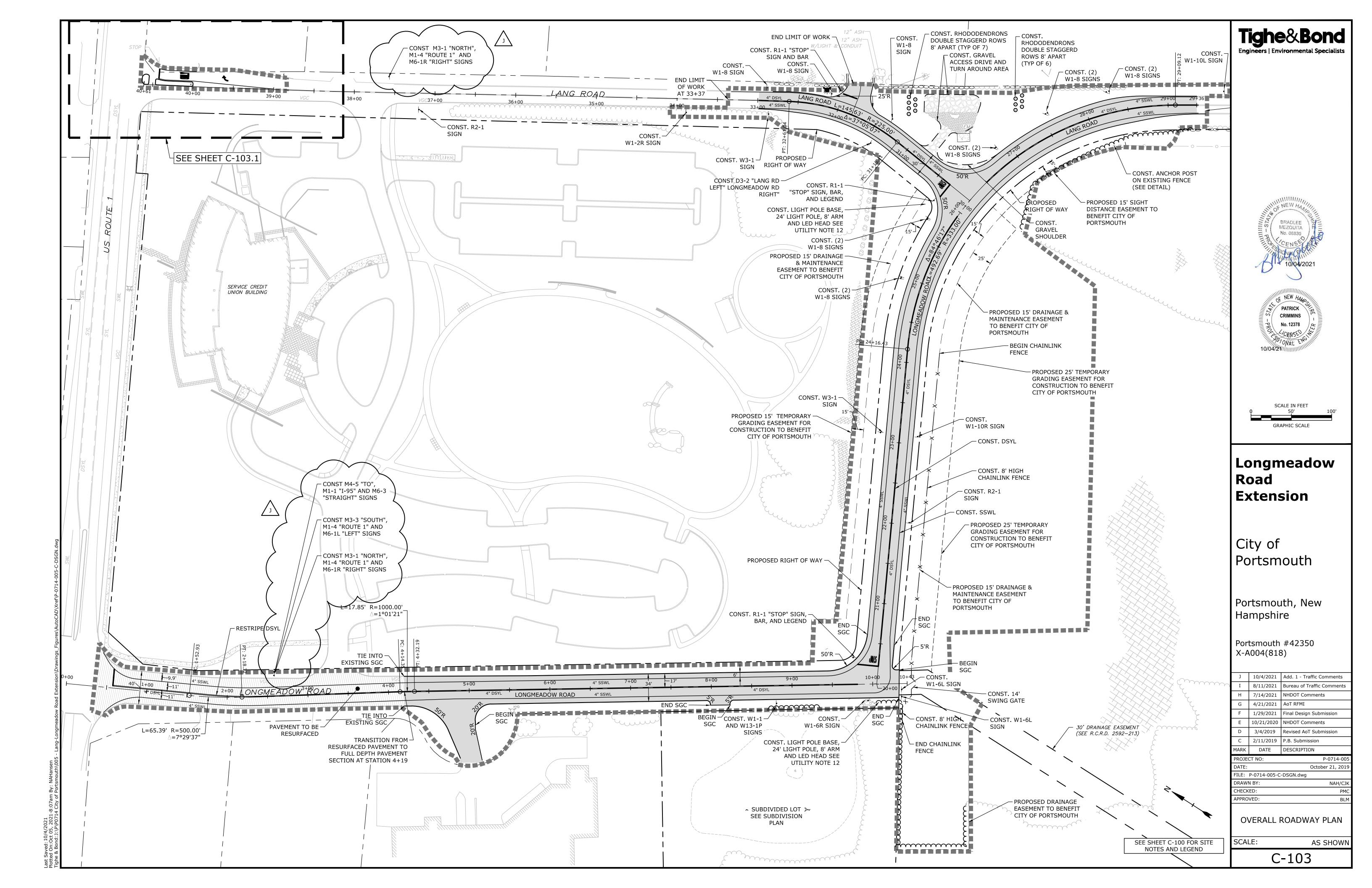
Portsmouth #42350 X-A004(818)

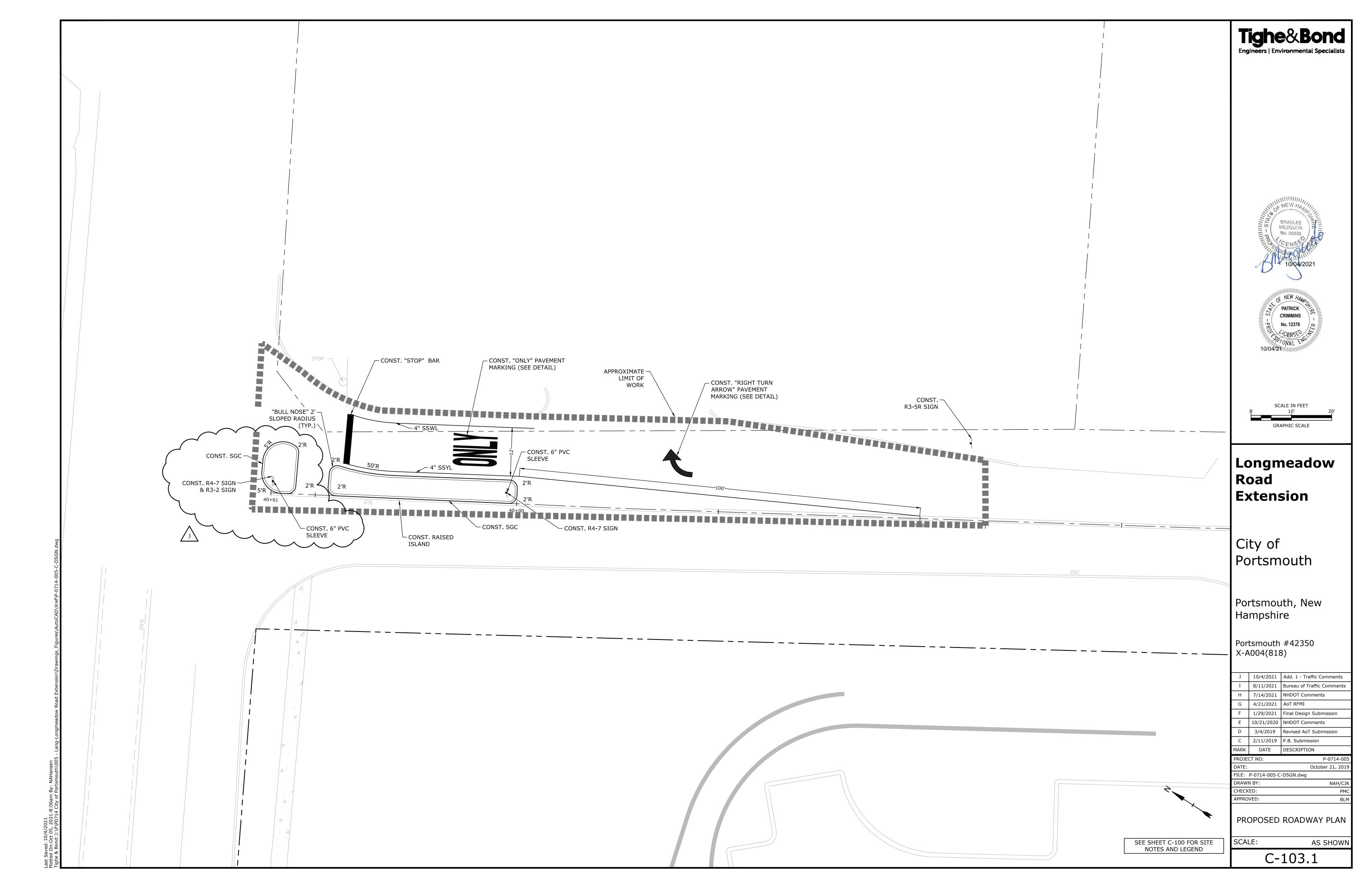
К	10/21/2021	Addendum 2						
J	10/4/2021	Add. 1 - Traffic Comments						
Ι	8/11/2021	Bureau of Traffic Comments						
Н	7/14/2021	NHDOT Comments						
G	4/21/2021	AoT RFMI						
F	1/29/2021	Final Design Submission						
Е	10/21/2020 NHDOT Comments							
D	3/4/2019 Revised AoT Submission							
С	2/11/2019	P.B. Submission						
MARK	DATE	DESCRIPTION						
PROJE	CT NO:	P-0714-005						
DATE:		October 21, 2019						
FILE:	P-0714-005-C	-DSGN.dwg						
DRAWI	N BY:	NAH/CJK						
CHECK	ED:	PMC						
APPRO	VED:	BLM						
GENERAL NOTES, LEGEND & ABBREVIATIONS								
SCAI	LE:	AS SHOWN						
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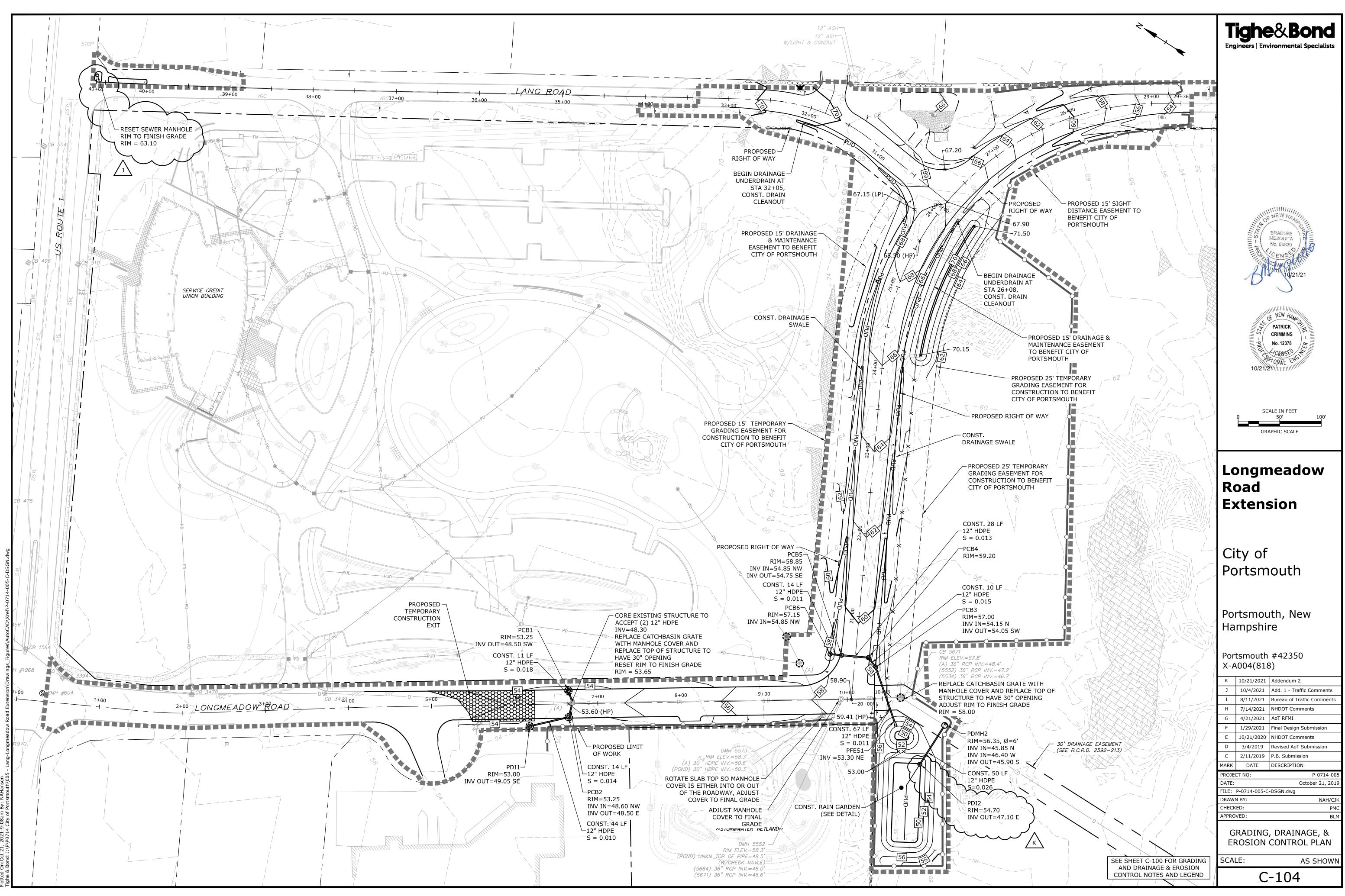
LEGEND ————————————————————————————————————	
APPROXIMATE ABUTTERS LOT LINE CONCENTRY STONE WALL CONCENTRY STONE WALL	
)HW
	PSNH/225/1 OFTIM VGC
	OHW-
— · · — EDGE OF WETLAND — – — – STREAM	60
CONCRETE	FM-FM-FM-FM-FM-FM-FM-FM-FM-FM-FM-FM-FM-F
CRUSHED STONE	
UTILITY POLE & GUY WIRE	
POST	X
WATER GATE VALVE	
CATCH BASIN C DRAIN MANHOLE FLARED END SECTION	
WETLAND AREA	
CONIFEROUS TREE	
CONC.CONCRETEEPEDGE OF PAVEMENT	
	SERVICE CREDIT UNION BUILDING
NOTES:	
2. FIELD SURVEY PERFORMED BY DOUCET SURVEY DURING DECEMBER 2015 USING A TRIMBLE 5603 TOTAL STATION AND A TRIMBLE R8 SURVEY GRADE GPS UNIT WITH A	
TRIMBLE TSC3 DATA COLLECTOR AND A SOKKIA B21 AUTO LEVEL AND DURING JUNE & JULY 2018 USING A TRIMBLE S6 TOTAL STATION WITH A TRIMBLE TSC3 DATA COLLECTOR	
AND A SOKKIA B21 AUTO LEVEL. TRAVERSE ADJUSTMENT BASED ON LEAST SQUARE ANALYSIS. ADDITIONAL SURVEY PERFORMED ON SEPT. 14, 2020.	
3. HORIZONTAL DATUM BASED ON PLAN REFERENCE 1.	A A A A A A A A A A A A A A A A A A A
4. VERTICAL DATUM IS BASED ON NGVD 29 (SURVEY DISK "GPS ROBE, 379-0870").	P EO T
5. PROPER FIELD PROCEDURES WERE FOLLOWED IN ORDER TO GENERATE CONTOURS AT 2'	
INTERVALS. ANY MODIFICATION OF THIS INTERVAL WILL DIMINISH THE INTEGRITY OF THE DATA, AND DOUCET SURVEY, INC. WILL NOT BE RESPONSIBLE FOR ANY SUCH	
ALTERATION PERFORMED BY THE USER.	
6. THE ACCURACY OF MEASURED UTILITY INVERTS AND PIPE SIZES/TYPES IS SUBJECT TO	
NUMEROUS FIELD CONDITIONS, INCLUDING; THE ABILITY TO MAKE VISUAL OBSERVATIONS, DIRECT ACCESS TO THE VARIOUS ELEMENTS, MANHOLE	
CONFIGURATION, ETC.	
7. ALL ELECTRIC, GAS, TEL. WATER, SEWER AND DRAIN SERVICES ARE SHOWN IN SCHEMATIC FASHION, THEIR LOCATIONS ARE NOT PRECISE OR NECESSARILY ACCURATE.	
NO WORK WHATSOEVER SHALL BE UNDERTAKEN ON THIS SITE USING THIS PLAN TO LOCATE THE ABOVE SERVICES. CONSULT WITH THE PROPER AUTHORITIES CONCERNED	
WITH THE SUBJECT SERVICE LOCATIONS FOR INFORMATION REGARDING SUCH. CALL DIG-SAFE AT 1-888-DIG-SAFE.	PD.
	ATION LONGMEADOW ROAD
TEST PIT LOGS:	M
TEST PIT #1 EXISTING SURFACE ELEVATION: 57.40	
SHWT: 51.40' BEDROCK: N/A	
BOTTOM OF TEST PIT: 47.40'	$1 \sim -1$
TEST PIT #2 EXISTING SURFACE ELEVATION: 56.40'	
SHWT: 51.23' BEDROCK: N/A	
BOTTOM OF TEST PIT: 48.74'	
REFERENCE PLANS:	/
1. "TOPOGRAPHIC PLAN FOR SERVICE CREDIT UNION OF 2995 LAYAFAYETTE ROAD/US	
ROUTE 1, PORTSMOUTH, NEW HAMPSHIRE" DATED JANUARY 8, 2010 BY DOUCET SURVEY, INC.	
2. "LOT LINE RELOCATION PLAN FOR RALPH'S TRUCK SALES, INC., ET AL" DATED AUGUST	
26, 1999 BY MILLETTE, SPRAGUE & COLWELL, INC. R.C.R.D. PLAN D-27623.	
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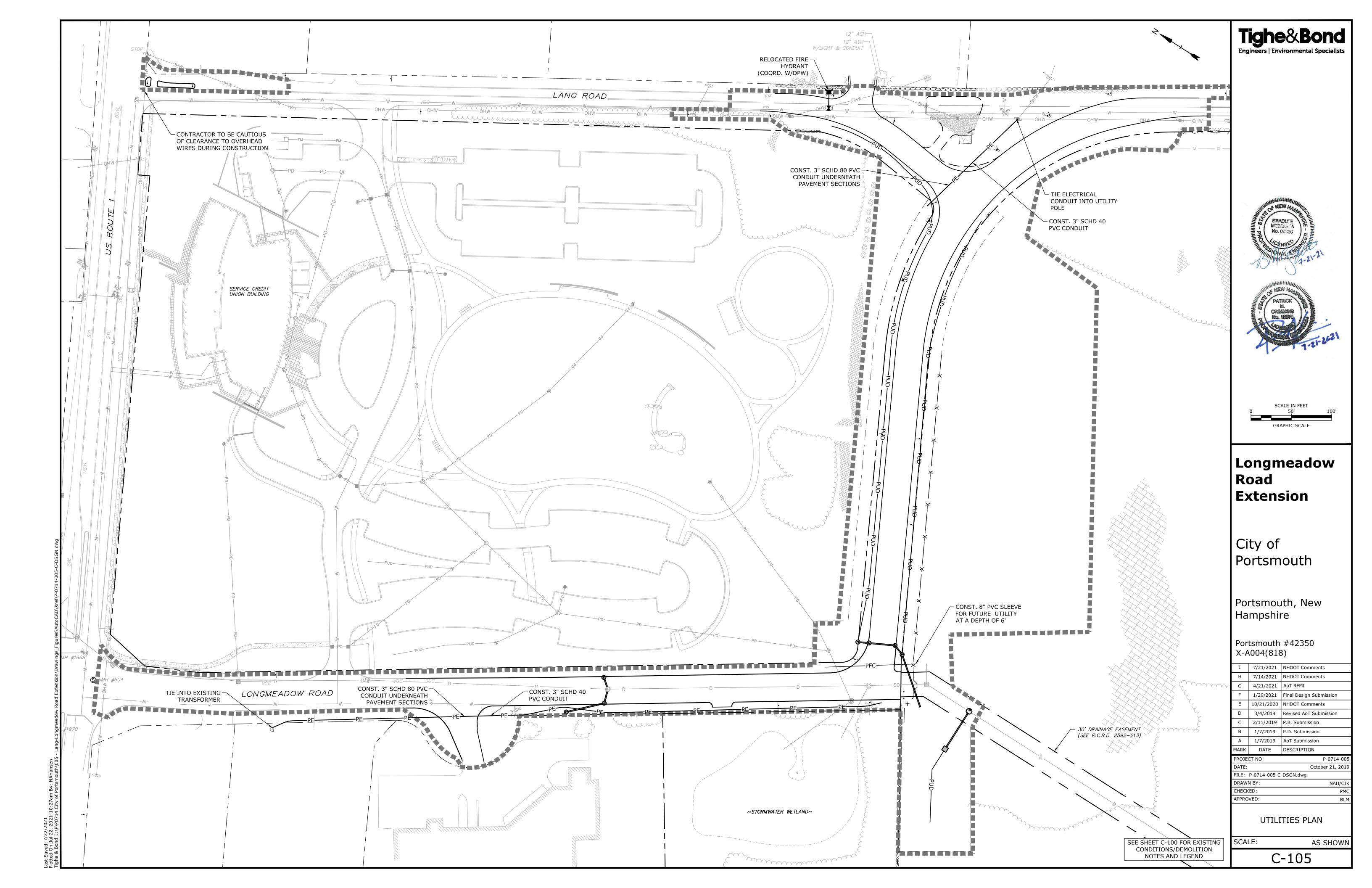


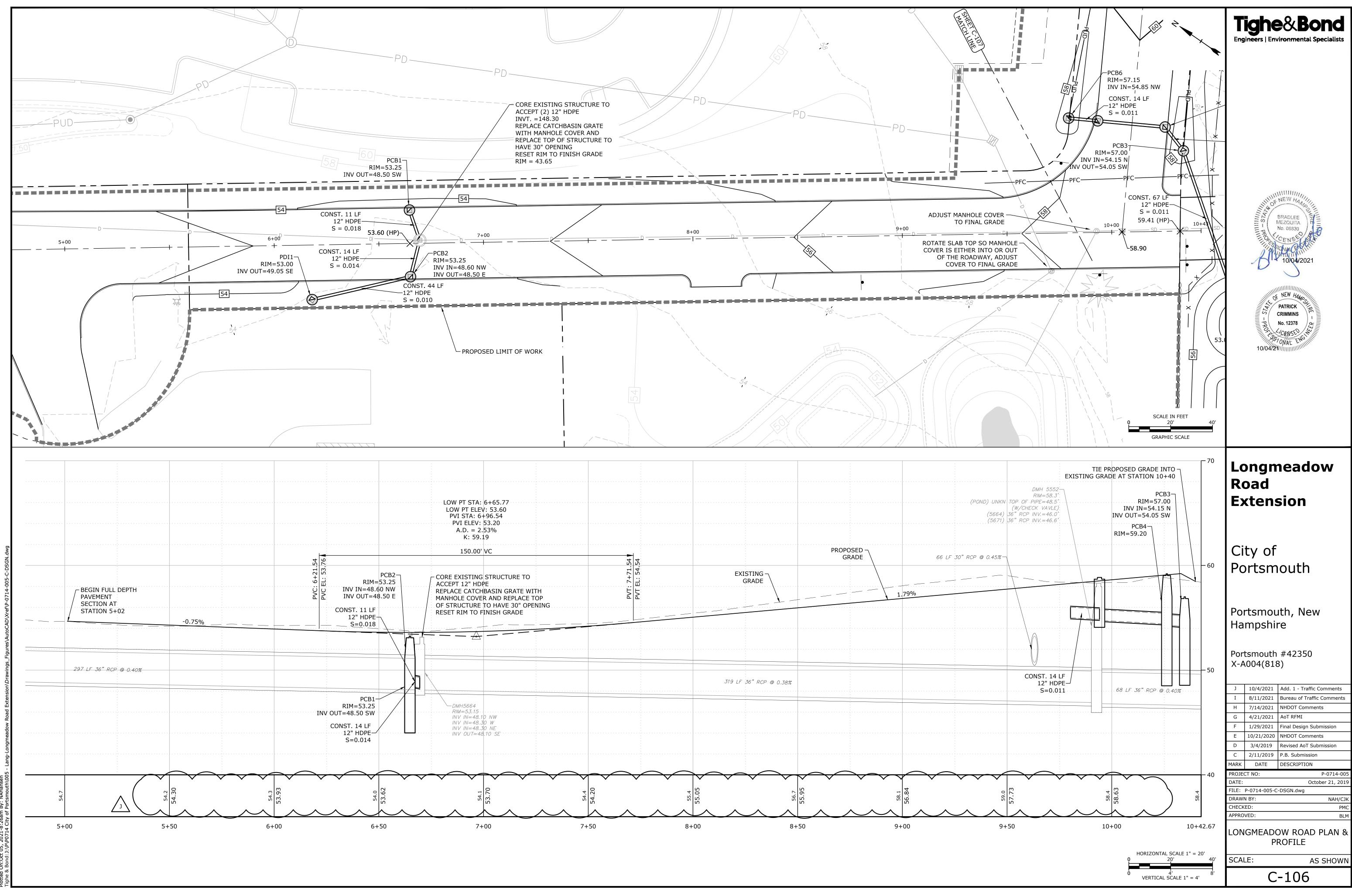


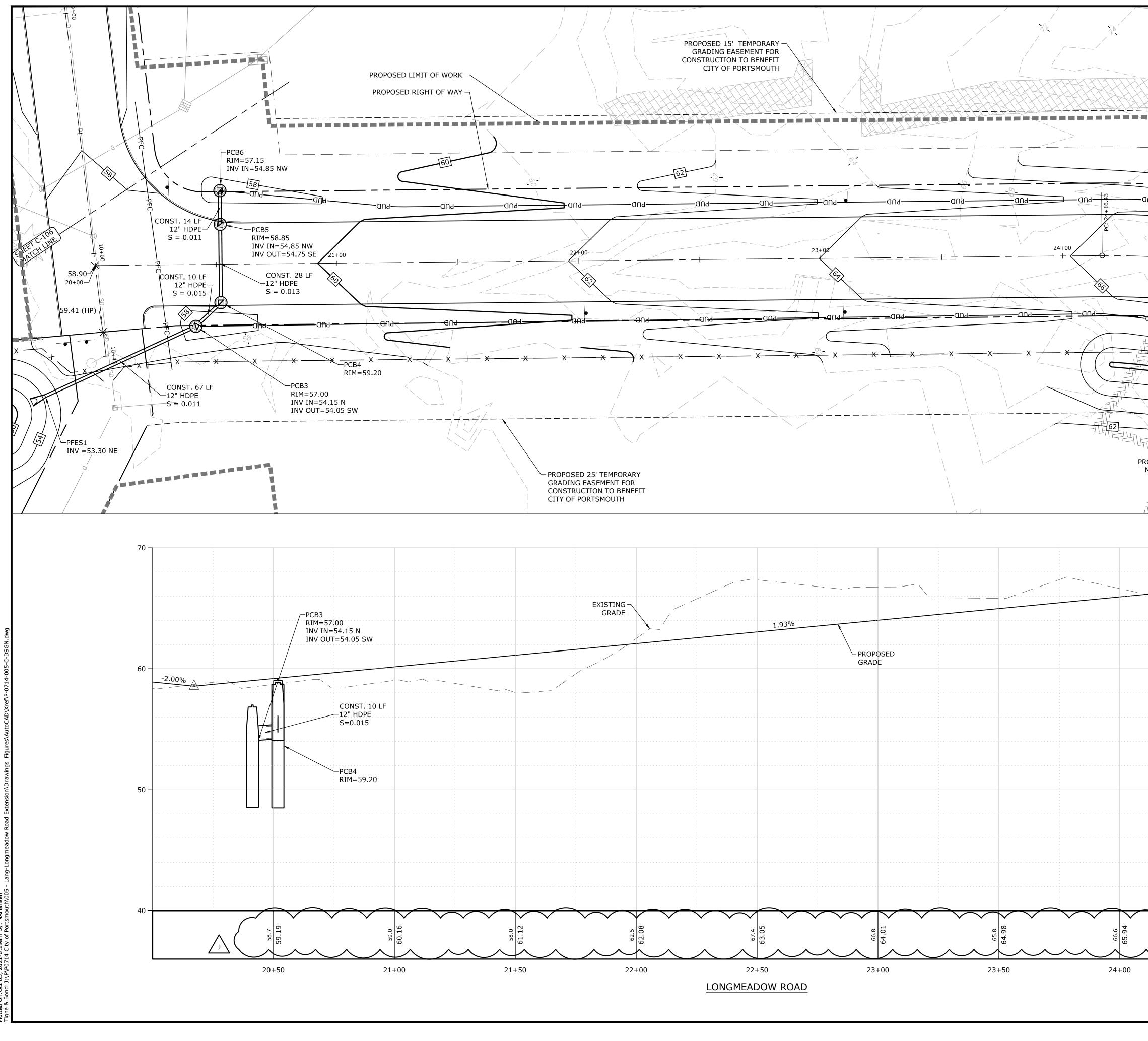




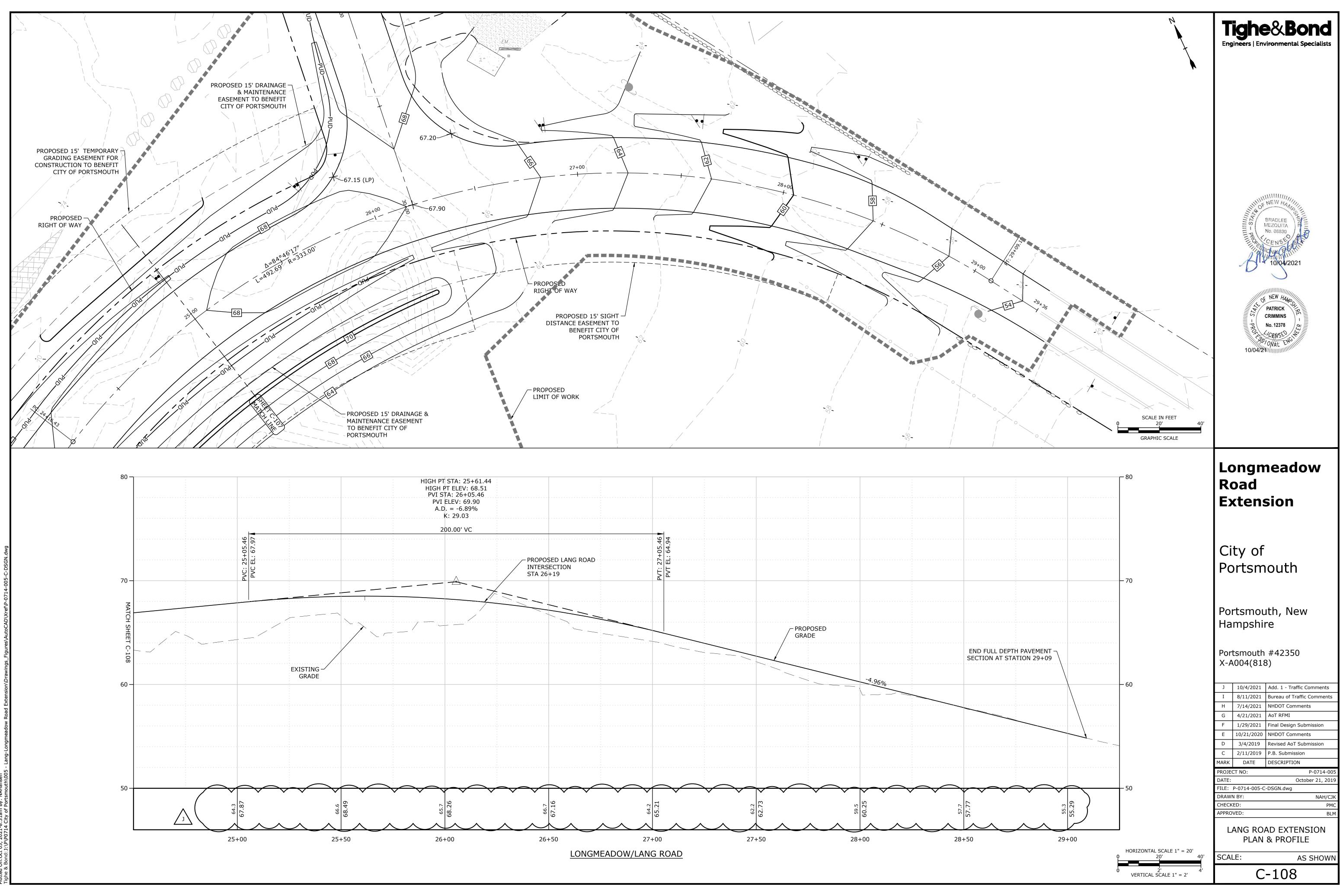


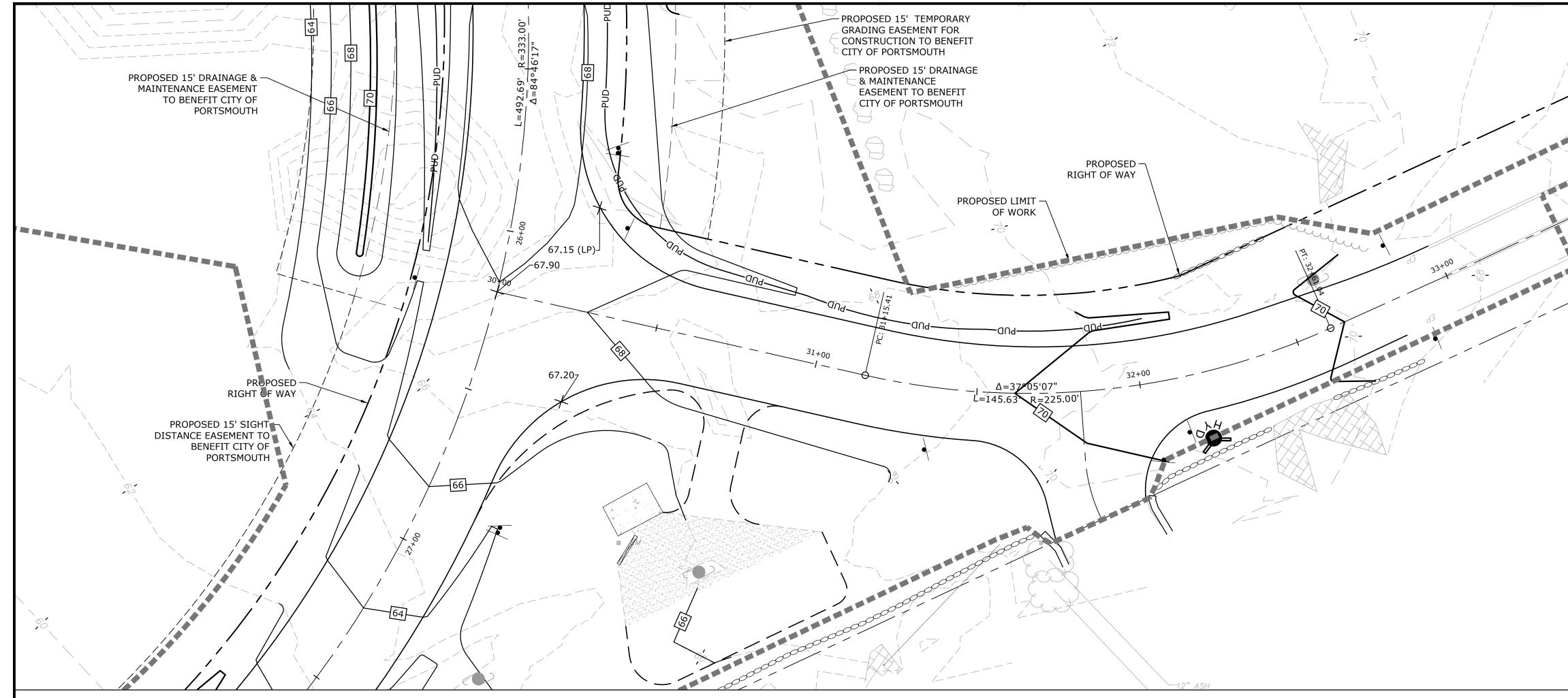




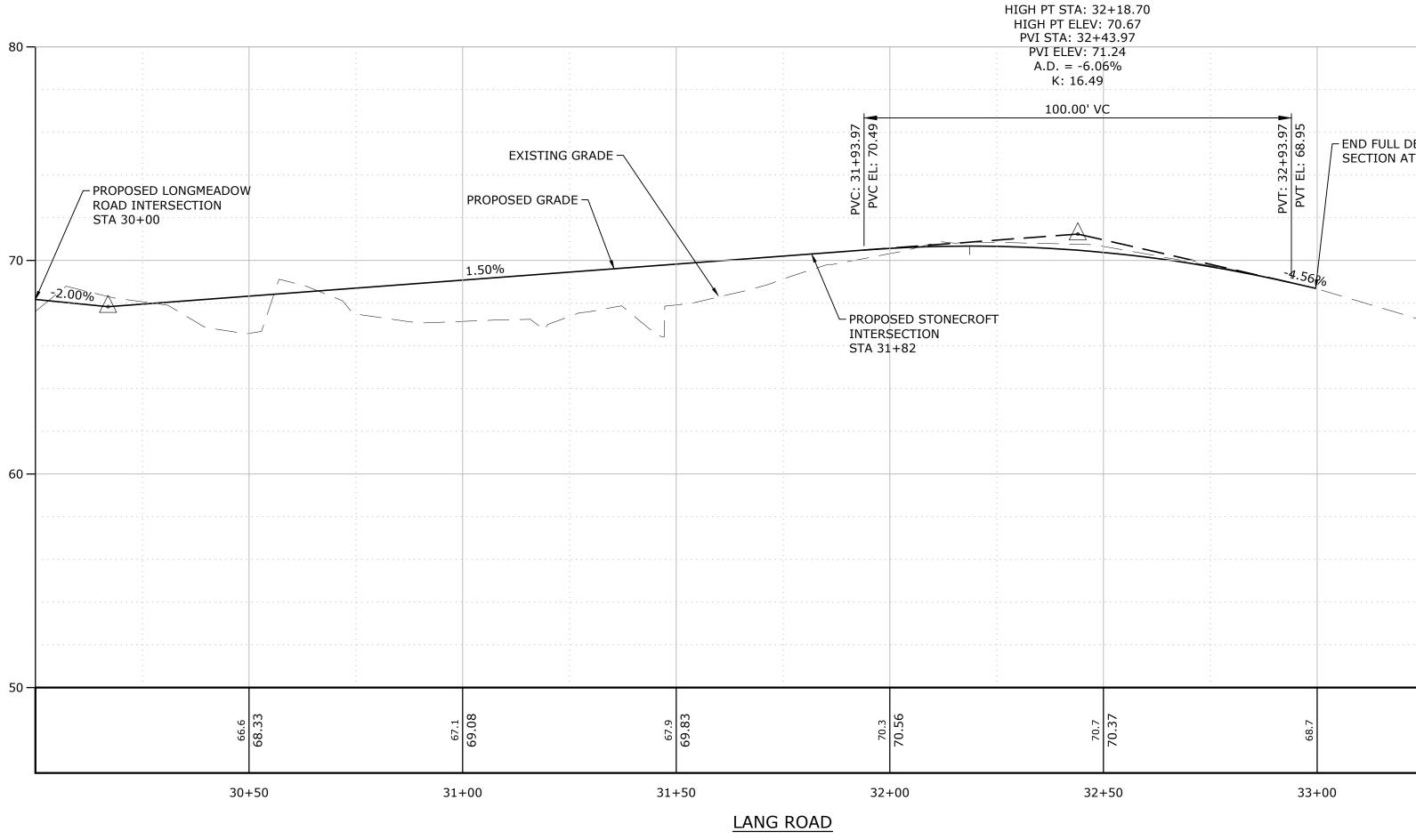


Tighe& Bond Engineers | Environmental Specialists PROPOSED 15' DRAINAGE & MAINTENANCE EASEMENT TO BENEFIT CITY OF PORTSMOUTH DD BRADLEE MEZQUITA No. 08830 4922 OF NEW HALL CRIMMINS No. 12378 No. 12378 CENSED 10/04/24 No. 12378 \sim 型1.6 PROPOSED 15' DRAINAGE & -MAINTENANCE EASEMENT TO BENEFIT CITY OF PORTSMOUTH SCALE IN FEET 20' 1-2-1 GRAPHIC SCALE Longmeadow Road Extension City of \checkmark +-Portsmouth - 60 Portsmouth, New MATCH Hampshire SHEET C-108 Portsmouth #42350 X-A004(818) - 50 J 10/4/2021 Add. 1 - Traffic Comments I 8/11/2021 Bureau of Traffic Comments H 7/14/2021 NHDOT Comments G 4/21/2021 AoT RFMI F 1/29/2021 Final Design Submission E 10/21/2020 NHDOT Comments D 3/4/2019 Revised AoT Submission C 2/11/2019 P.B. Submission MARK DATE DESCRIPTION PROJECT NO: P-0714-005 October 21, 2019 DATE: FILE: P-0714-005-C-DSGN.dwg 40 DRAWN BY: NAH/CJł CHECKED: PM(APPROVED: BLM LANG ROAD EXTENSION PLAN & PROFILE 24+50 HORIZONTAL SCALE 1" = 20' SCALE: AS SHOWN 40 C-107 VERTICAL SCALE 1" = 4'

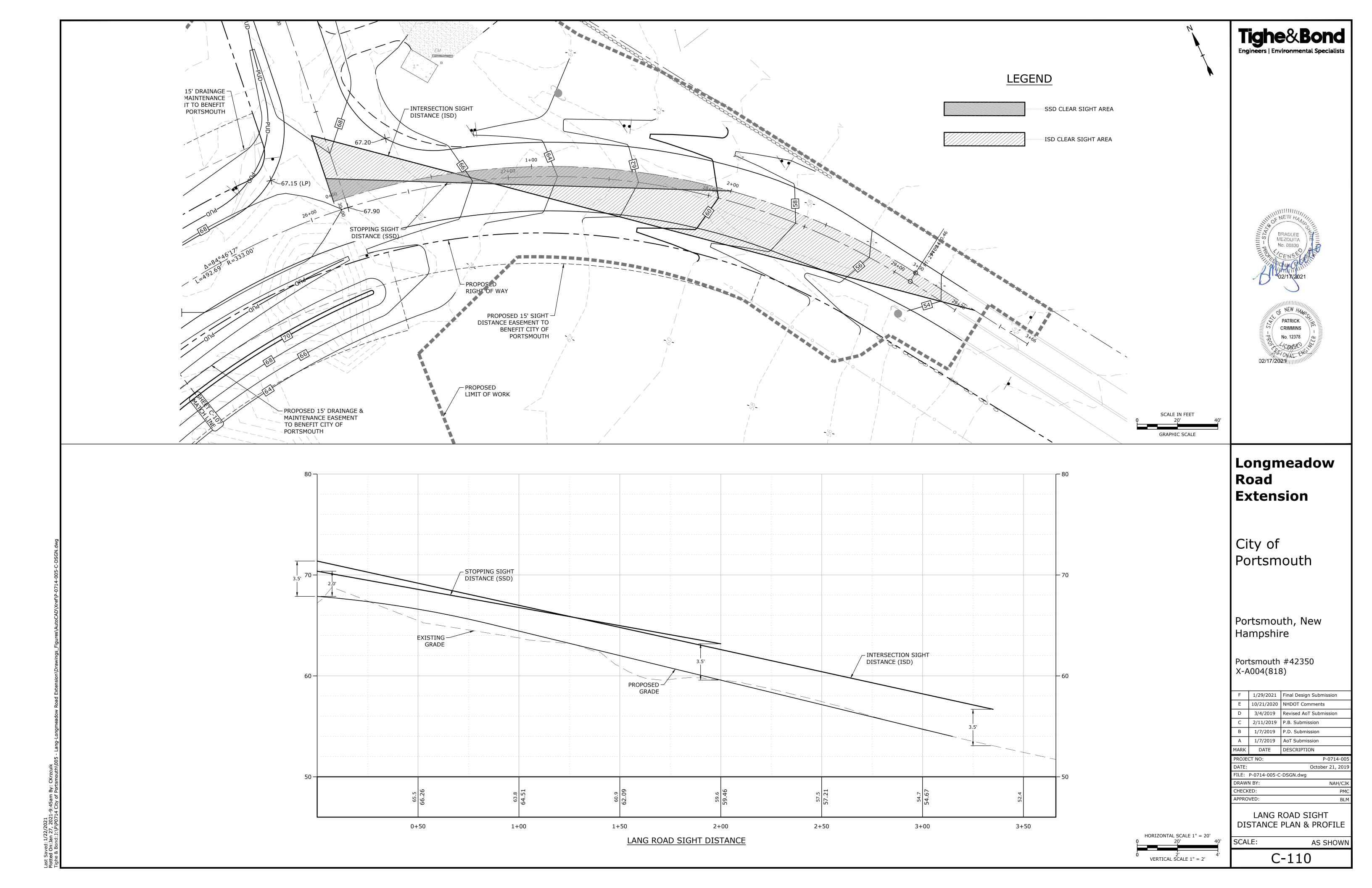


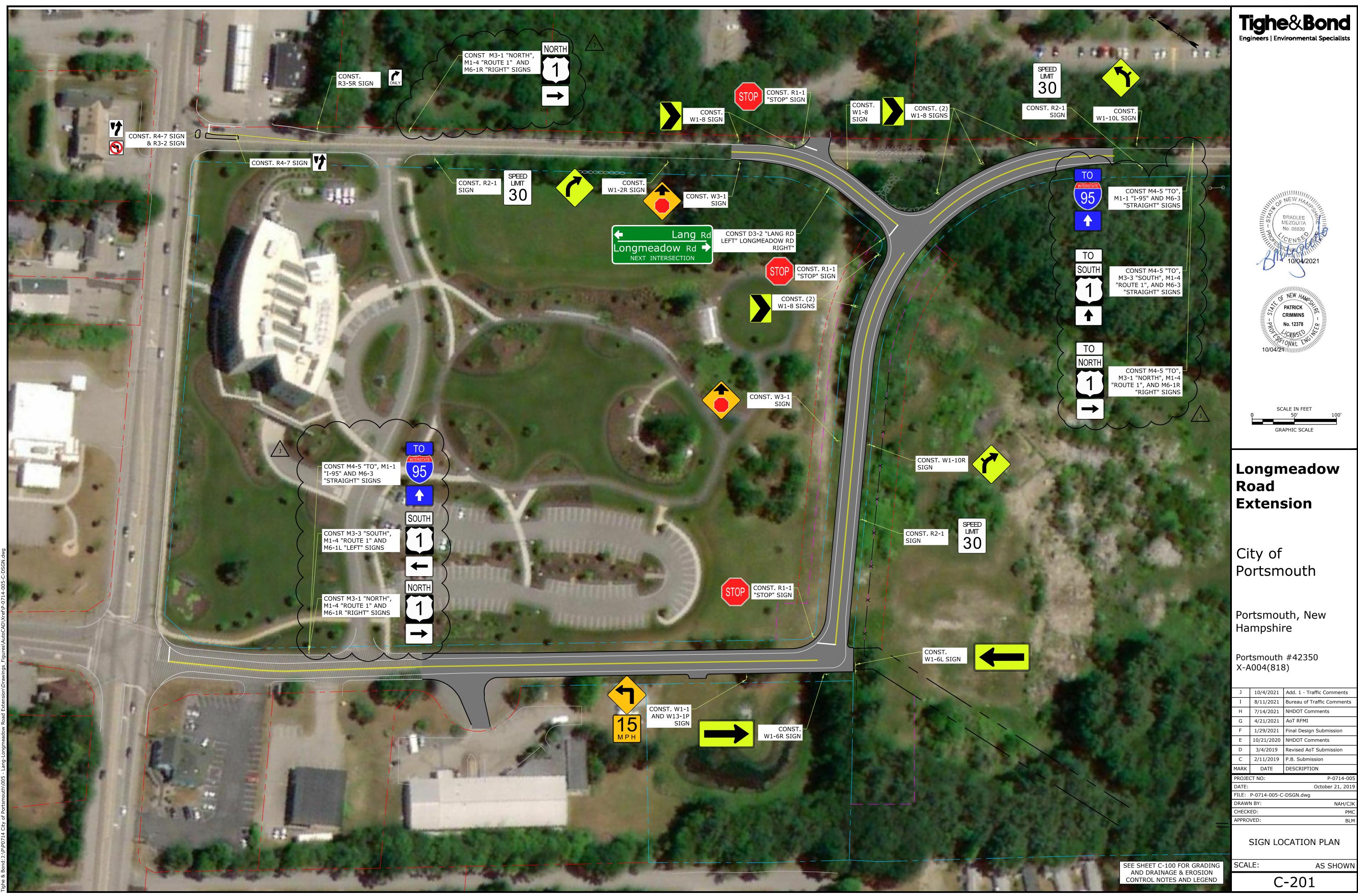






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	GRAPHIC SCALE	
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APPRO	VED:	BLM						

GENERAL PROJECT INFORMATION PROJECT OWNER: CITY OF PORTSMOUTH

PROJECT LONGITUDE: 70°-47'-24.9"W

PROJECT NAME: **PROJECT ADDRESS:** PROJECT LATITUDE: 43°-01'-27.5"N

1 JUNKINS AVENUE PORTSMOUTH, NH 03801 LONGMEADOW ROAD EXTENSION LONGMEADOW ROAD PORTSMOUTH, NH 03801

PROJECT DESCRIPTION

THE PROJECT CONSISTS OF THE CLEARING AND GRUBBING OF FOREST, REGRADING OF LAND, AND CONSTRUCTION OF A ROAD CONNECTING LONGMEADOW ROAD TO LANG ROAD. THE WORK IS ANTICIPATED TO START IN SPRING 2021, AND BE COMPLETED BY FALL 2021.

DISTURBED AREA

THE TOTAL AREA TO BE DISTURBED IS APPROXIMATELY 4.73 ACRES

SOIL CHARACTERISTICS

BASED ON THE USCS SITE SPECIFIC SOIL SURVEY CONDUCTED BY MERIDIAN LAND SERVICES, INC., ON AUGUST 26, 2010 THE SOILS ON SITE CONSIST OF WELL DRAINED SOILS WITH HYDROLOGIC SOIL GROUP RATINGS OF B.

NAME OF RECEIVING WATERS

THE STORMWATER RUNOFF FROM THE SITE WILL BE DISCHARGED VIA OVERLAND FLOW TO AN UNNAMED WETLAND AND ULTIMATELY FLOWS TO BERRY'S BROOK.

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
 - CONTROL OF DUST
 - CONSTRUCTION DURING LATE WINTER AND EARLY SPRING
- 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
- CLEAR AND DISPOSE OF DEBRIS.
- CONSTRUCT TEMPORARY CULVERTS AND DIVERSION CHANNELS AS REQUIRED. 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. SEDIMENT TRAPS AND/OR BASINS SHALL BE USED AS NECESSARY TO CONTAIN RUNOFF
- UNTIL SOILS ARE STABILIZED.
- 10. FINISH PAVING ALL ROADWAYS AND PARKING LOTS.
- 11. INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES. COMPLETE PERMANENT SEEDING AND LANDSCAPING
- 13. 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.

EROSION CONTROL NOTES:

- 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.
- 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.;
- IN AREAS TO BE PAVED, "STABLE" MEANS THAT BASE COURSE GRAVELS MEETING THE REQUIREMENTS OF NHOOT 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; 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;
- 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.
- ALL AREAS SHALL BE STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE. 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.

6. 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 OCTOBER 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.

- 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.
- 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. CONTROL MEASURES SUCH AS BERMS, SILT SOCK, OR OTHER APPROVED PRACTICE TO
- 3. PERIMETER BARRIERS SHOULD BE MAINTAINED AT ALL TIMES, AND ADJUSTED AS NEEDED 4. PROTECT ALL STOCKPILES FROM STORMWATER RUN-OFF USING TEMPORARY EROSION 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;
- 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	APPLI
CREEPING RED FESCUE	20 LBS
TALL FESCUE	20 LBS
REDTOP	2 LBS

IN NO CASE SHALL THE WEED CONTENT EXCEED ONE (1) PERCENT BY WEIGHT. ALL

- 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:

- 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;
- WHEN MATERIALS NEED TO BE REMOVED.

ALLOWABLE NON-STORMWATER DISCHARGES: FIRE-FIGHTING ACTIVITIES

FIRE HYDRANT FLUSHING

12. LANDSCAPE IRRIGATION.

- WATERS USED TO WASH VEHICLES WHERE DETERGENTS ARE NOT USED; 4. WATER USED TO CONTROL DUST;
- . POTABLE WATER INCLUDING UNCONTAMINATED WATER LINE FLUSHING; 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;

- ICATION RATE
- S/ACRE 3S/ACRE
- S/ACRE
- SEED SHALL COMPLY WITH STATE AND FEDERAL SEED LAWS. SEEDING SHALL BE DONE

- D. INSPECT WASHOUT FACILITIES DAILY TO DETECT LEAKS OR TEARS AND TO IDENTIFY
- 11. UNCONTAMINATED EXCAVATION DEWATERING;

WASTE DISPOSAL: 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.
- 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. 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.
- 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;** i. 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 USE;
- 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

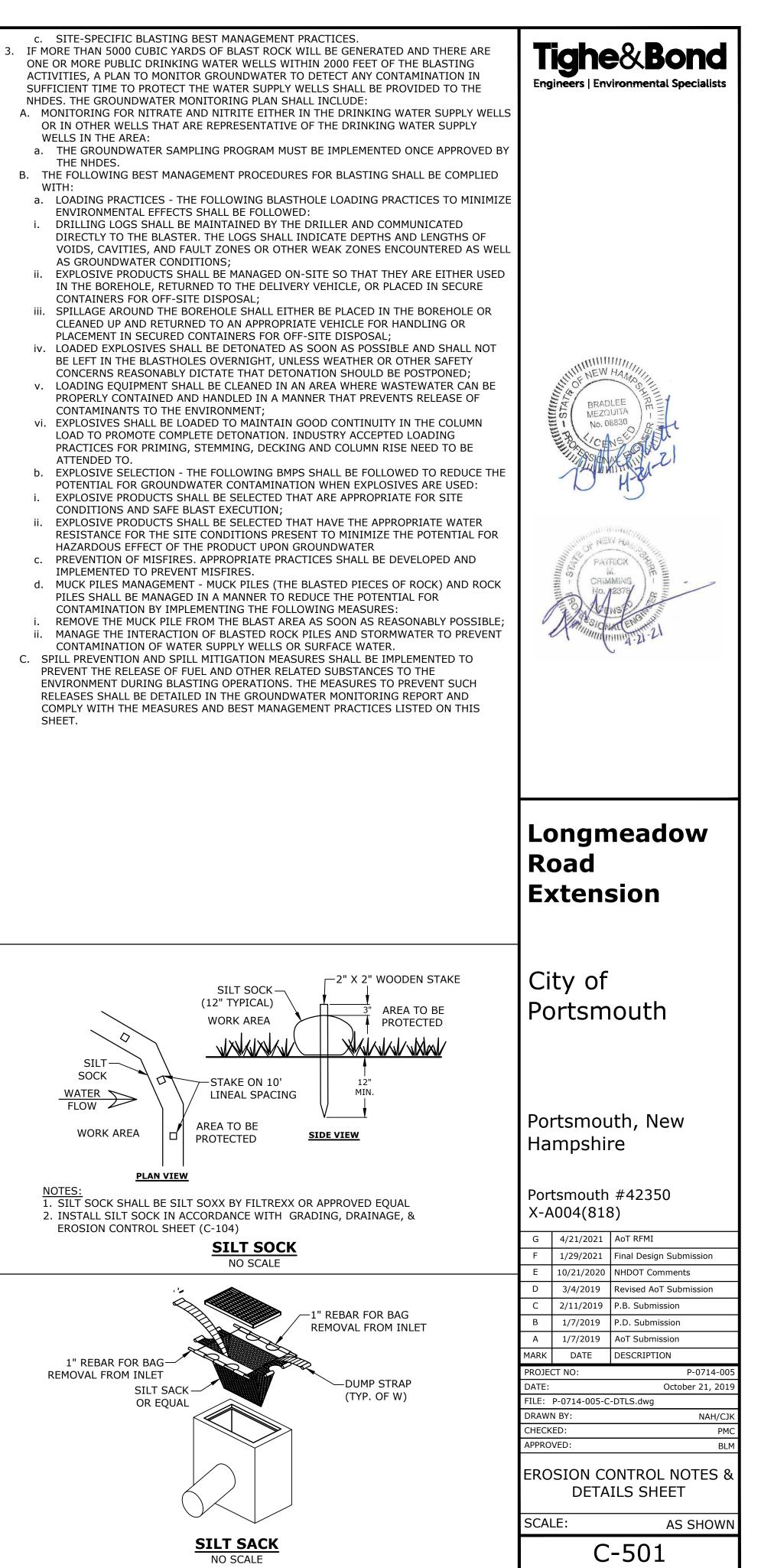
THIS PROJECT EXCEEDS ONE (1) ACRE OF DISTURBANCE AND THUS REQUIRES A SWPPP. THE SWPPP SHALL BE PREPARED BY THE ENGINEER. THE CONTRACTOR SHALL BE FAMILIAR WITH THE SWPPP AND KEEP AN UPDATED COPY OF THE SWPPP ONSITE AT ALL TIMES.

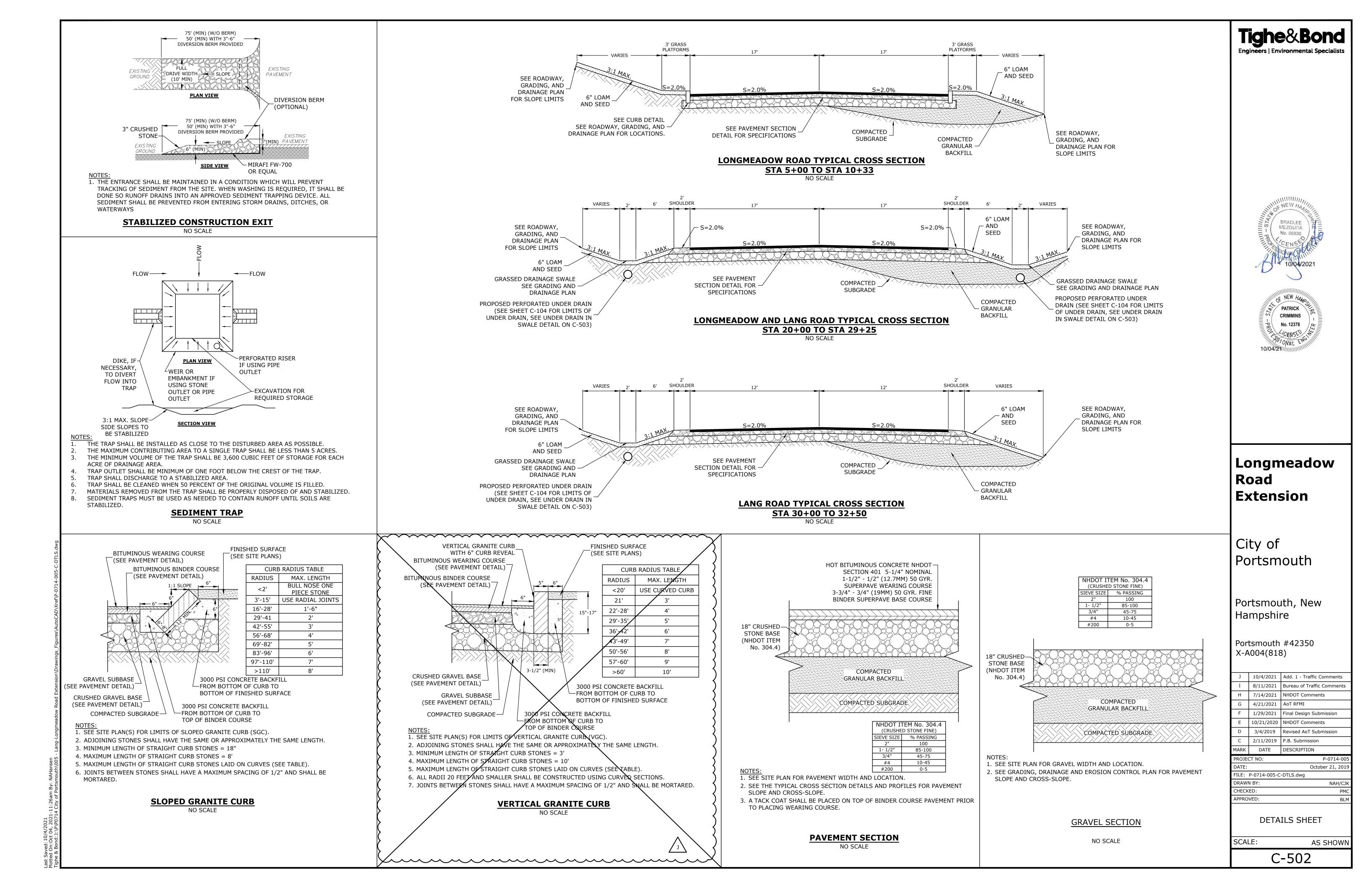
THE FOLLOWING REPRESENTS THE GENERAL OBSERVATION AND REPORTING PRACTICES THAT SHALL BE FOLLOWED AS PART OF THIS PROJECT:

- 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 GREATER;
- 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
- HTTPS://WWW.DES.NH.GOV/ORGANIZATION/COMMISSIONER/PIP/FACTSHEETS/DWGB/DOCUMENTS/DWGB-22-6.PDF
- **BLASTING NOTES** 1. CONTRACTOR SHALL CONTACT THE NHDES PRIOR TO COMMENCING ANY BLASTING
- ACTIVITIES
- 2. FOR ANY PROJECT FOR WHICH BLASTING OF BEDROCK IS ANTICIPATED, THE APPLICANT SHALL SUBMIT: A. A BLASTING PLAN THAT IDENTIFIES:
 - a. WHERE THE BLASTING ACTIVITIES ARE ANTICIPATED TO OCCUR; b. THE ESTIMATED QUANTITY OF BLAST ROCK IN CUBIC YARDS; AND

- ATTENDED TO.

SHEET.

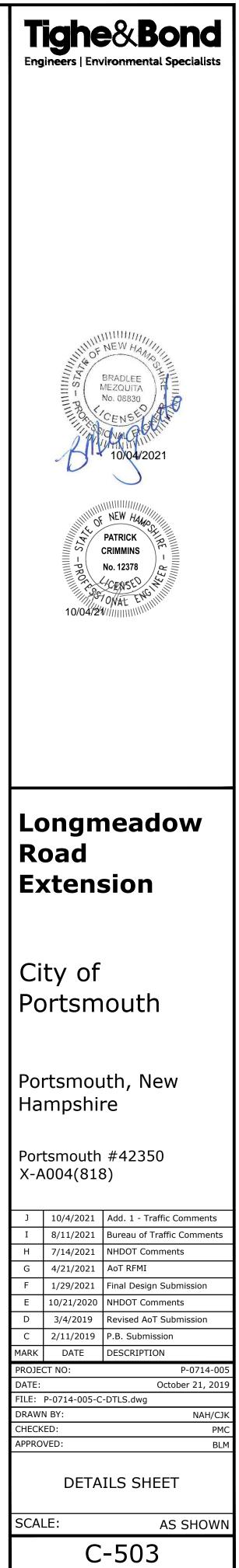


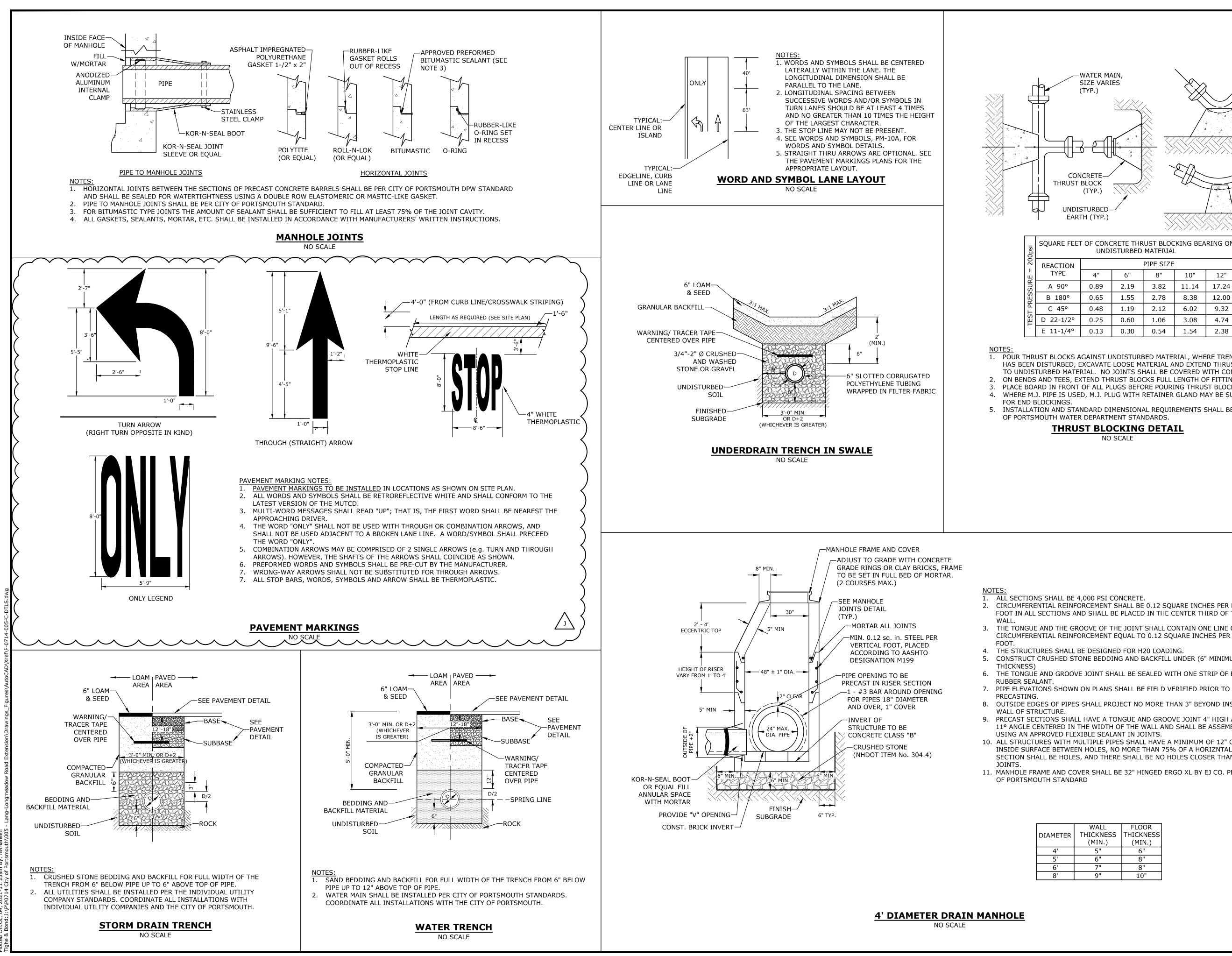


		S	IGN SIZE			TEXT	DIMENSIONS							POSTS PER S	SIGN				SIGI	N SIZE		TE	XT DIMENSI	ONS						PC	OSTS PER S	SIGN	
ITEM	INDENT	# WID (incl	TH HEIGH n) (inch		TEXT		TER HEIGHT (inch)	SHIELD SIZE (inch)	ARROW (inch)	NUMERAL (inch)	# SIGNS REQ'D	SIGN (SC	N AREA). FT.)	BREAKAWAY STEEL 9-BEAM 4" OD ALUMINUM	U-CHANNEL GALV	REMARKS	ITEM #	INDENT	# WIDTH (inch)	H HEIGHT (inch)	TEXT	LE	ETTER HE (inch)		SHIELD ARROW SIZE (inch) (inch)	NUMERAL (inch)	# SIGNS REQ'D		GN AREA SQ. FT.)	BREAKAWAY	STEEL 9-BEAM 4" OD ALUMINUM	CHA	REMARKS
						UC	LC CAPS	5				NOM AREA	TOTAL AREA		+ (UC	C LC	CAPS				NOM AREA					
1 615.030	M6-3	24	24								2	4	8			WHITE ON BLUE	15.0301	/1-10R	36	36							1	9	9			1	BLACK ON FLUORESCENT YELLOW
615.030	M4-5	21	15		ТО						2	2.2	4.4		}	WHITE ON BLUE	X ^{°°}	\$															
615.0601	M1-1	24	24		95						2	4	8	2		WHITE ON RED AND BLUE, 2 POSTS WITH 3 WIDE CONFIGURATION		-10L	36	36							1	9	9				BLACK ON FLUORESCENT
615.0601	M6-1R	21	15								3	2.2	6.6			BLACK ON WHITE	615	W1															YELLOW
615.0301	M1-4	24	24		1			24		12D	5	4	20	2/:	1	BLACK ON WHITE, 2 POSTS WITH 3 WIDE CONFIGURATION 1 POST WITH SINGLE CONFIGURATION	5.0301	1-2R	36	36							1	9	9			1	BLACK ON FLUORESCENT
615.0601	M3-1	24	12	11	ORTH		7C/60	с			3	2	6			BLACK ON WHITE	61	Ň															YELLOW
615.0601	M6-1L	21	15		←						1	2.2	2.2			BLACK ON WHITE	615.0301	R3-5R	30	36	ONLY						1	7.50	7.50			1	BLACK ON WHITE
515.0601	M3-3	24	12		SOUTH		7C/60	с			2	2	4			BLACK ON WHITE																	
615.0601	M6-3	21	15								1	2.2	2.2			BLACK ON WHITE	615.0301	R4-7	24	30							2	5	10			1	BLACK ON WHITE, MOUNT ABOVE R3-2
615.0601	M4-5	24	12		ТО		7C/60	с			2	2	4			BLACK ON WHITE)1				SPEED												
615.0301	W1-1	36	36		h						1	9	9	1		BLACK ON YELLOW, MOUNT ABOVE W13-1F	615.030	R2-1	24	30	цмп 30						3	5	15			1	BLACK ON WHITE
615.0601	W13-1P	18	18		5 Р Н						1	2.25	2.25			BLACK ON YELLOW, MOUNT BELOW W1-1	615.0301	W3-1	30	30							2	6.25	12.50			1	BLACK AND RED ON YELLOW
615.0301	W1-6R	24	48								1	8	8		1	BLACK ON FLUORESCENT YELLOW	615.0301	W1-8	18	24							12	3	36			1	BLACK ON FLUORESCENT YELLOW
615.0301	W1-6L	24	48								1	8	8		1	BLACK ON FLUORESCENT YELLOW	615.0201	D3-2	96	48	Lang Longmeadow Rd NEXT INTERSECTION	Rd 6D	9 6D					32		x	2F		WHITE ON GREEN, PLANK
515.0301	R1-1	36	36	S	ТОР		12D				3	9	27		1	WHITE ON RED	1	I, REFER	TO THE 2	2016 STAND	DARD SPECIFICATIONS I	FOR ROAD .	AND BRIE	OGE CO	GENERAL I		THE NHDO	Г.					
615.0301	R3-2	24	24								1	4	4			RED AND BLACK ON WHITE, MOUNT BELOW R4-7	- 2 3 5 4	2. NOTE N 3. REFER SIGNS. 4. REFER 5. THE AJ	NEW REFL TO THE 2 TO THE I LUMINUM	LECTIVITY 2010 STAND LATEST ED 14 OR U-CHA	REQUIREMENTS IN THE ARD PLANS FOR ROAD ITION OF THE STANDAF ANNEL POST SHALL BE R POST ASSEMBLY DET.	2016 STAN CONSTRUC RD HIGHWA FLUSH WIT	IDARD SP TION AS AY SIGNS H THE TC	ECIFICA PUBLIS MANUA DP OF T.	ATIONS FOR ROAD HED BY THE NHD AL AS PUBLISHED HE SIGN ON ALL S	O AND BRIDO OT FOR EXA BY THE USI SINGLE POST	JE CONSTR CT DETAIL DOT-FHWA ASSEMBLI	UCTION S OF PER FOR EXA ES.	RMANENT ACT DETAI	SIGNII ILS OF	NG STAN	NDARDS	AND NHDOT SPECIFIC
																	7	7, DIGITA	ALLY PRI	NTED SIGN	S SHALL NOT BE PERMI	TTED,	г										
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	WATER MA SIZE VARI (TYP.)							
€	3 e			.0~7				
RUST	ICRETE BLOCK (TYP.) STURBED-					Ho		
	TH (TYP.)							
E FEE	T OF CONC UND	CRETE THR			RING ON			
ION			PIPE SIZE					
E	4"	6"	8"	10"	12"			
Jo	0.89	2.19	3.82	11.14	17.24			
0°	0.65	1.55	2.78	8.38	12.00			
5°	0.48	1.19	2.12 6.02 9.32					
1/2°	0.25	0.60	1.06	3.08	4.74			

1. POUR THRUST BLOCKS AGAINST UNDISTURBED MATERIAL, WHERE TRENCH WALL HAS BEEN DISTURBED, EXCAVATE LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL. NO JOINTS SHALL BE COVERED WITH CONCRETE. 2. ON BENDS AND TEES, EXTEND THRUST BLOCKS FULL LENGTH OF FITTING. PLACE BOARD IN FRONT OF ALL PLUGS BEFORE POURING THRUST BLOCKS. 4. WHERE M.J. PIPE IS USED, M.J. PLUG WITH RETAINER GLAND MAY BE SUBSTITUTED 5. INSTALLATION AND STANDARD DIMENSIONAL REQUIREMENTS SHALL BE WITH CITY

OF PORTSMOUTH WATER DEPARTMENT STANDARDS.

THRUST BLOCKING DETAIL NO SCALE

ALL SECTIONS SHALL BE 4,000 PSI CONCRETE. 2. CIRCUMFERENTIAL REINFORCEMENT SHALL BE 0.12 SQUARE INCHES PER LINEAR FOOT IN ALL SECTIONS AND SHALL BE PLACED IN THE CENTER THIRD OF THE

3. THE TONGUE AND THE GROOVE OF THE JOINT SHALL CONTAIN ONE LINE OF CIRCUMFERENTIAL REINFORCEMENT EQUAL TO 0.12 SQUARE INCHES PER LINEAR

4. THE STRUCTURES SHALL BE DESIGNED FOR H20 LOADING. 5. CONSTRUCT CRUSHED STONE BEDDING AND BACKFILL UNDER (6" MINIMUM

6. THE TONGUE AND GROOVE JOINT SHALL BE SEALED WITH ONE STRIP OF BUTYL

7. PIPE ELEVATIONS SHOWN ON PLANS SHALL BE FIELD VERIFIED PRIOR TO

8. OUTSIDE EDGES OF PIPES SHALL PROJECT NO MORE THAN 3" BEYOND INSIDE

9. PRECAST SECTIONS SHALL HAVE A TONGUE AND GROOVE JOINT 4" HIGH AT AN

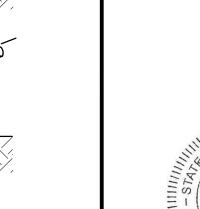
11° ANGLE CENTERED IN THE WIDTH OF THE WALL AND SHALL BE ASSEMBLED

USING AN APPROVED FLEXIBLE SEALANT IN JOINTS. 10. ALL STRUCTURES WITH MULTIPLE PIPES SHALL HAVE A MINIMUM OF 12" OF

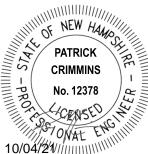
INSIDE SURFACE BETWEEN HOLES, NO MORE THAN 75% OF A HORIZNTAL CROSS SECTION SHALL BE HOLES, AND THERE SHALL BE NO HOLES CLOSER THAN 3" TO

11. MANHOLE FRAME AND COVER SHALL BE 32" HINGED ERGO XL BY EJ CO. PER CITY

	WALL	FLOOR
ΓER	THICKNESS	THICKNESS
	(MIN.)	(MIN.)
	5"	6"
	6"	8"
	7"	8"
	9"	10"







Longmeadow Road **Extension**

City of Portsmouth

Portsmouth, New Hampshire

Portsmouth #42350 X-A004(818)

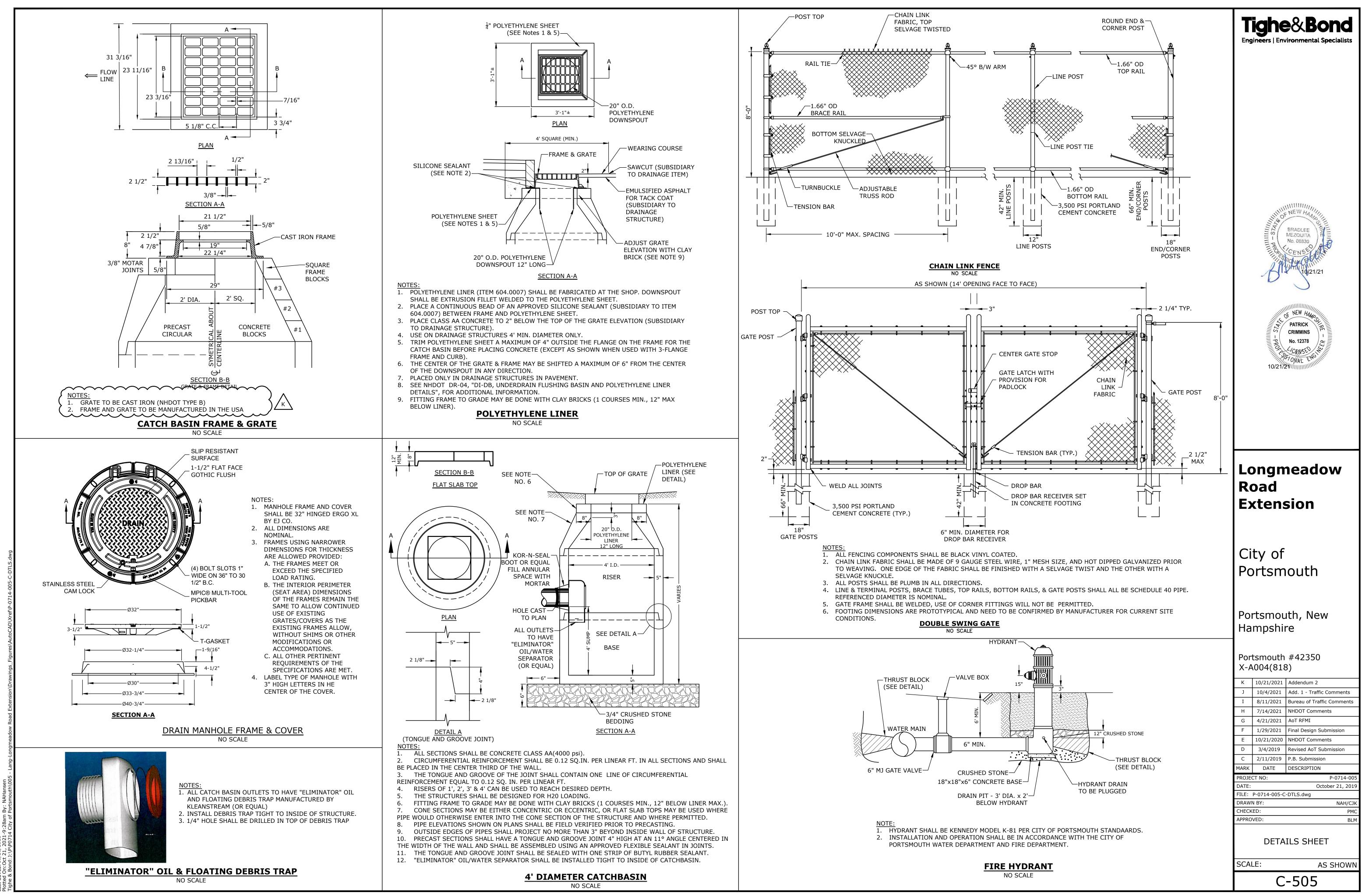
J	10/4/2021	Add. 1 - Traffic Comments			
Ι	8/11/2021	Bureau of Traffic Comments			
Н	7/14/2021	NHDOT Comments			
G	4/21/2021	AoT RFMI			
F	1/29/2021	Final Design Submission			
E	10/21/2020	NHDOT Comments			
D	3/4/2019	Revised AoT Submission			
С	2/11/2019	P.B. Submission			
MARK	DATE	DESCRIPTION			
PROJECT NO: P-0714-005					
DATE: October 21, 2019					
FILE: P-0714-005-C-DTLS.dwg					
DRAWN BY: NAH/CJK					
CHECKED: PMC					
APPROVED: BLM					
DETAILS SHEET					

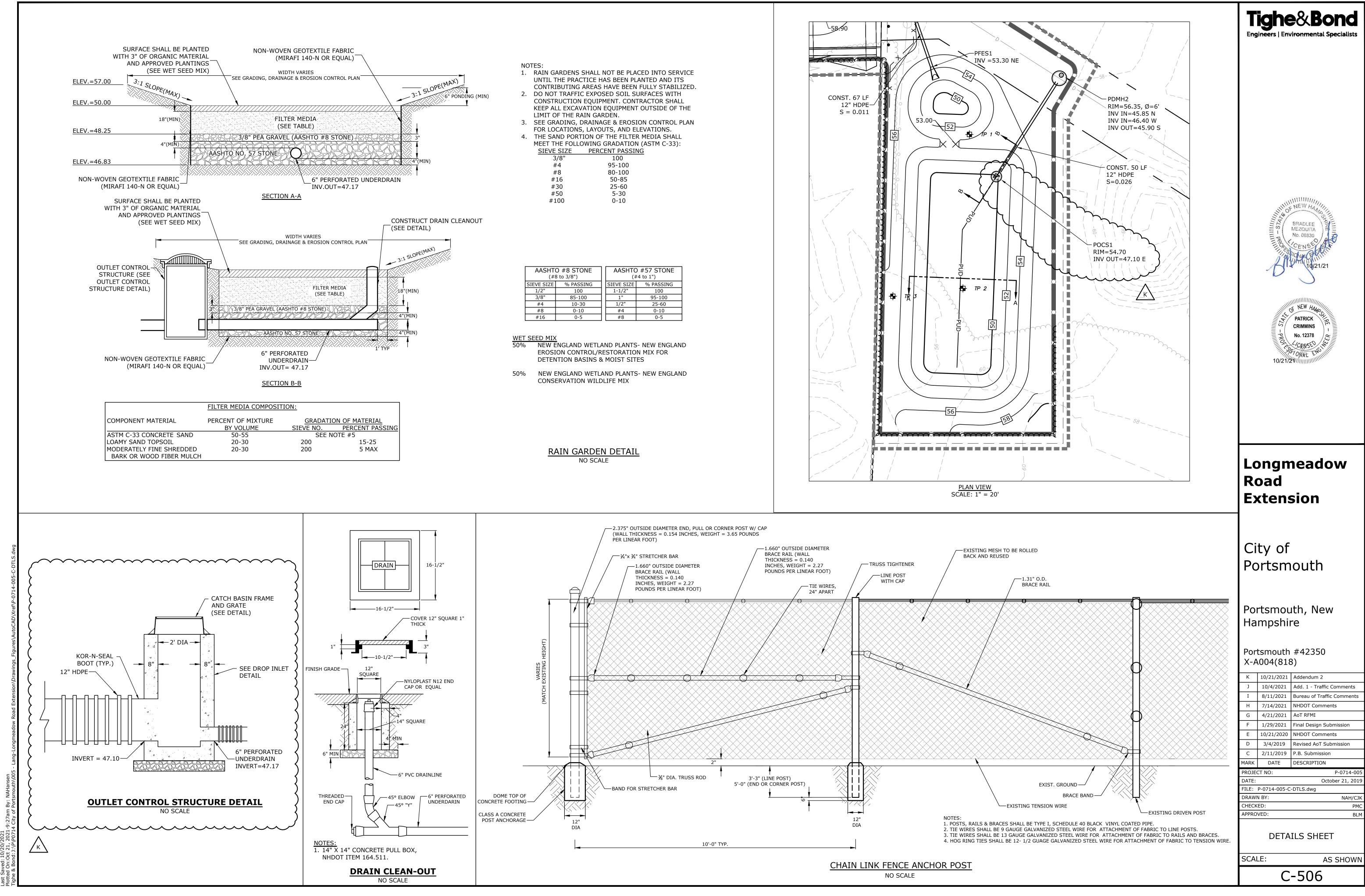
SCALE:

C-504

AS SHOWN

Tighe&Bond Engineers | Environmental



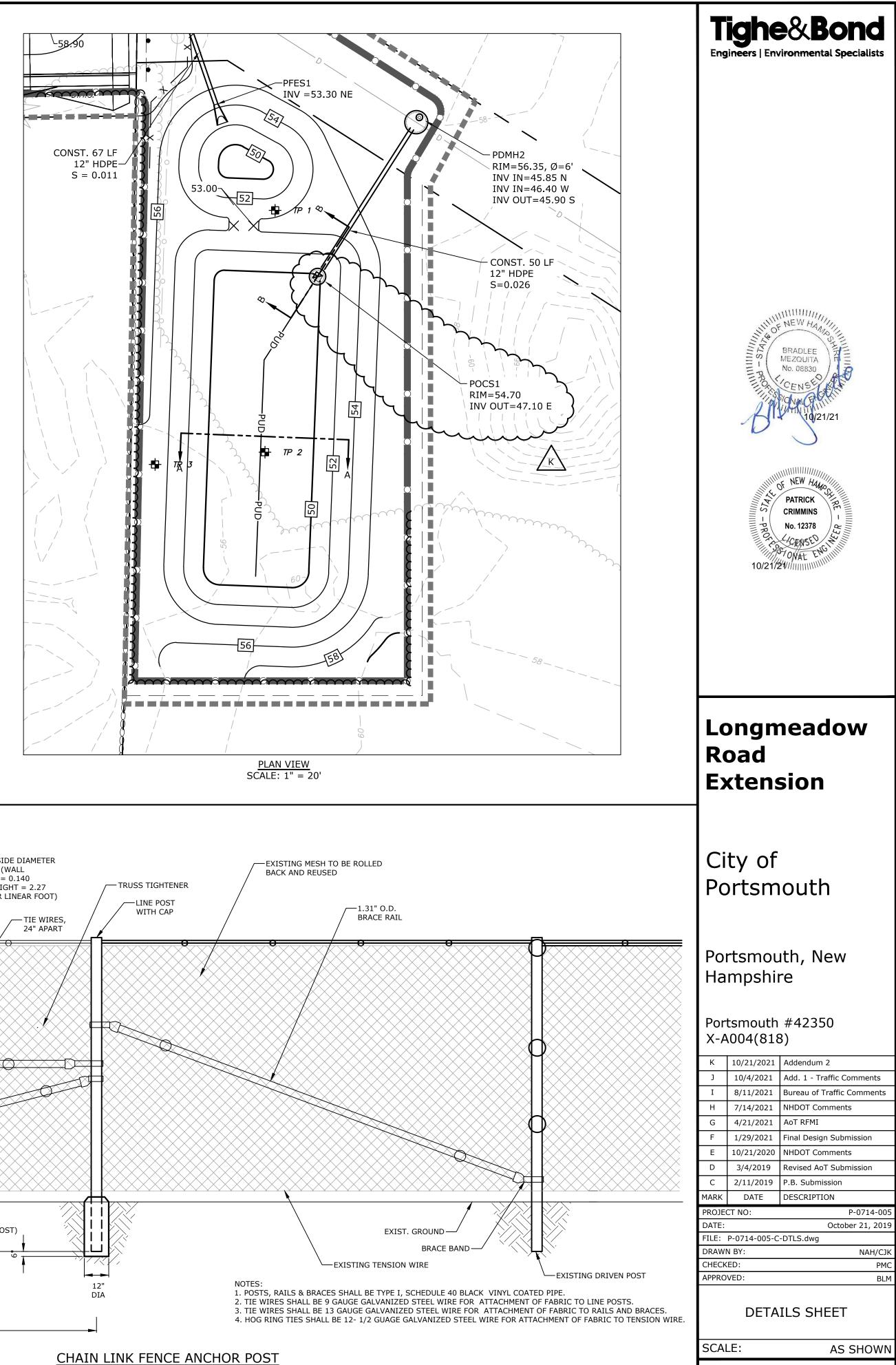


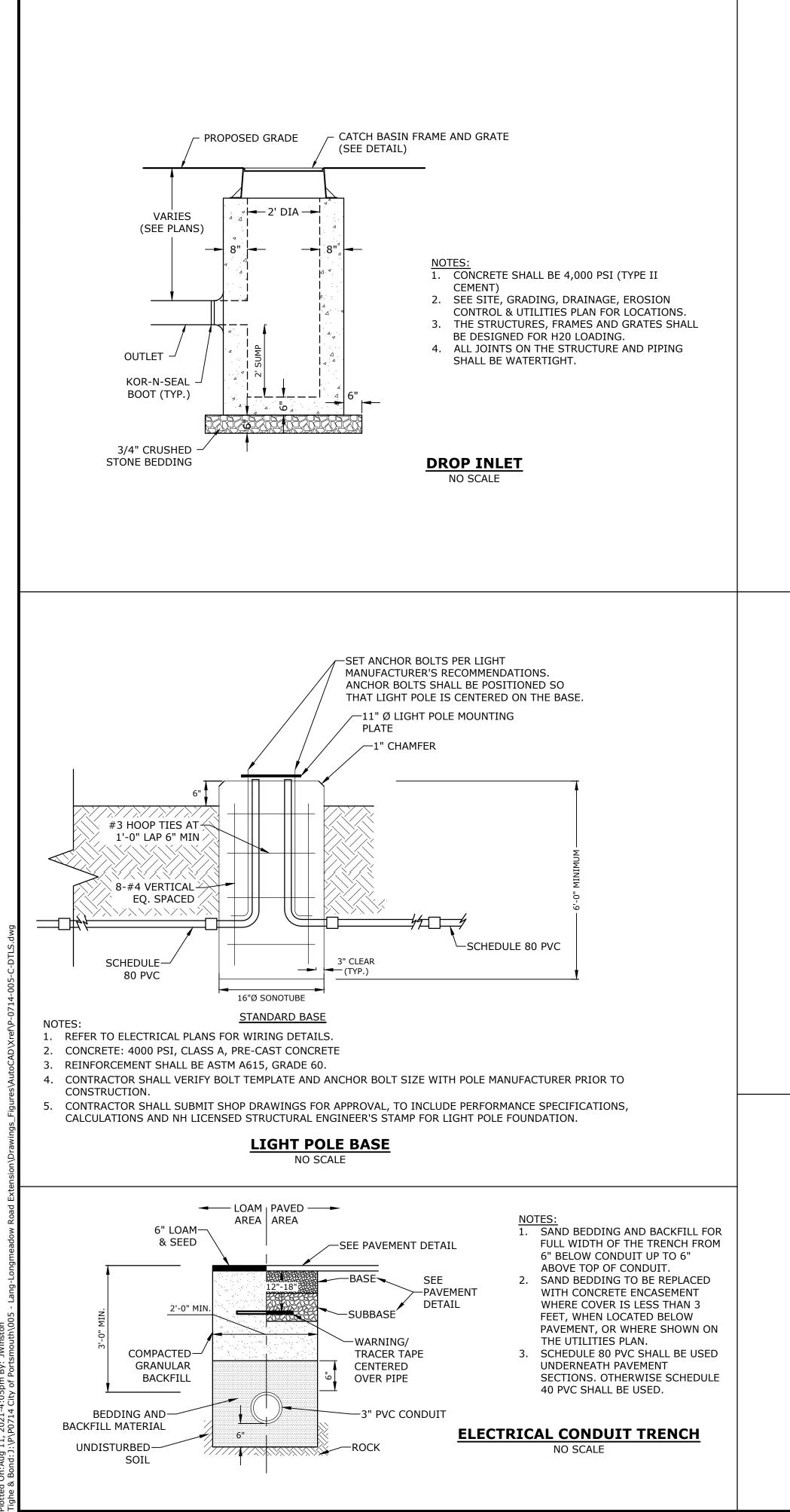


EVE SIZE	PERCENT PASS
3/8"	100
#4	95-100
#8	80-100
#16	50-85
#30	25-60
#50	5-30

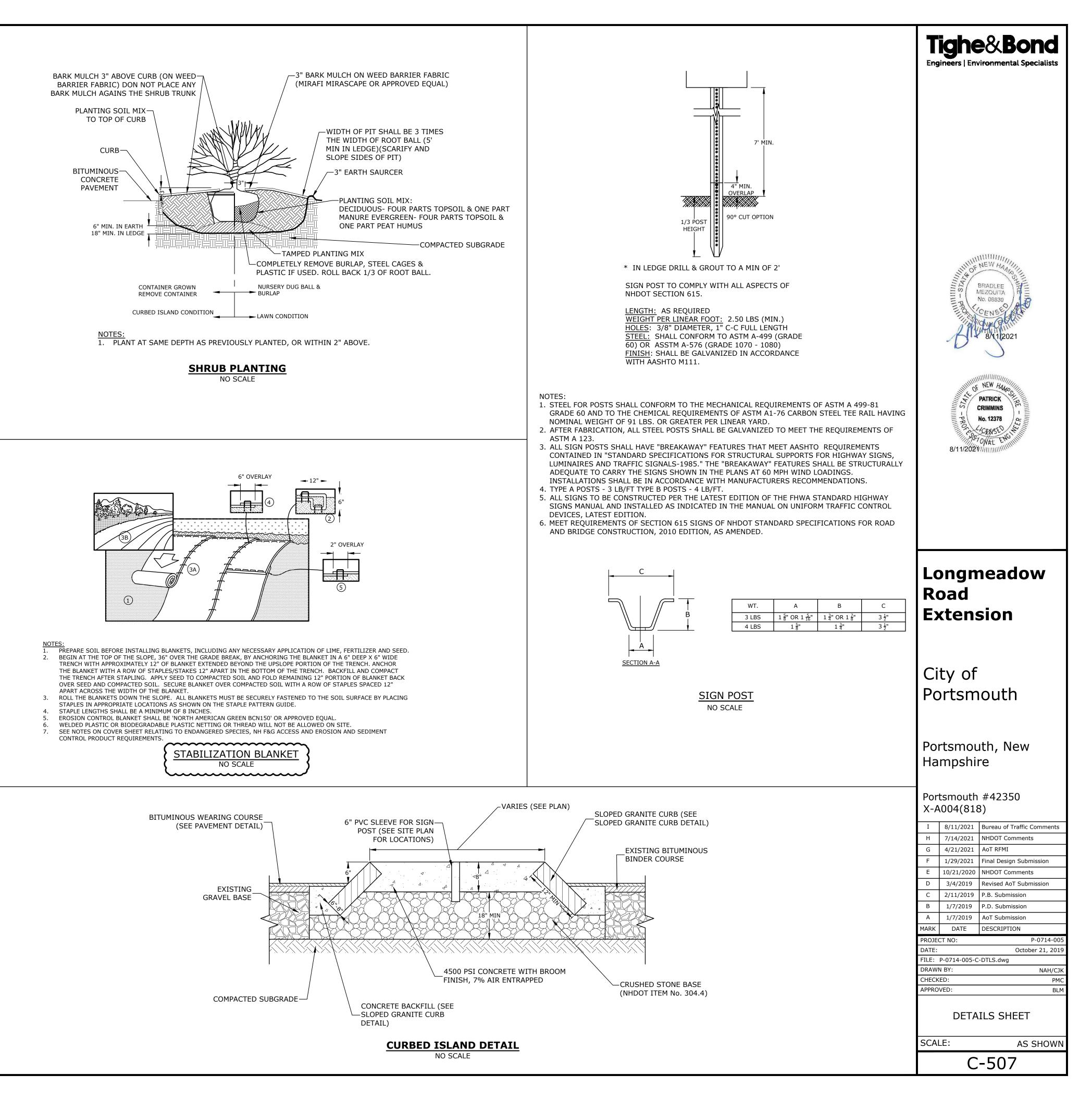
	O #8 STONE 8 to 3/8")	AASHTO #57 STONE (#4 to 1")		
SIEVE SIZE	% PASSING	SIEVE SIZE	% PASSING	
1/2"	100	1-1/2"	100	
3/8"	85-100	1"	95-100	
#4	10-30	1/2"	25-60	
#8	0-10	#4	0-10	
#16	0-5	#8	0-5	

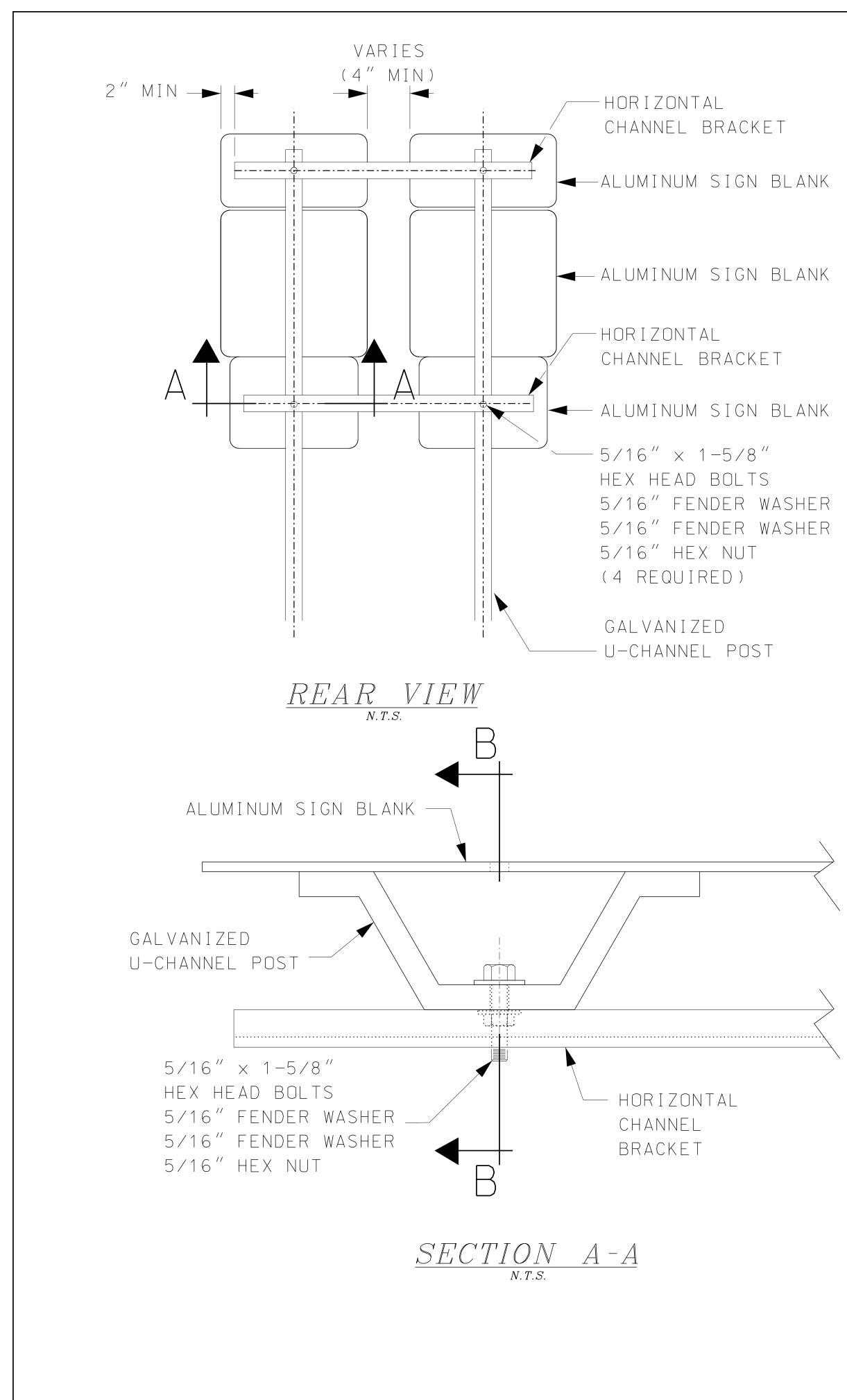


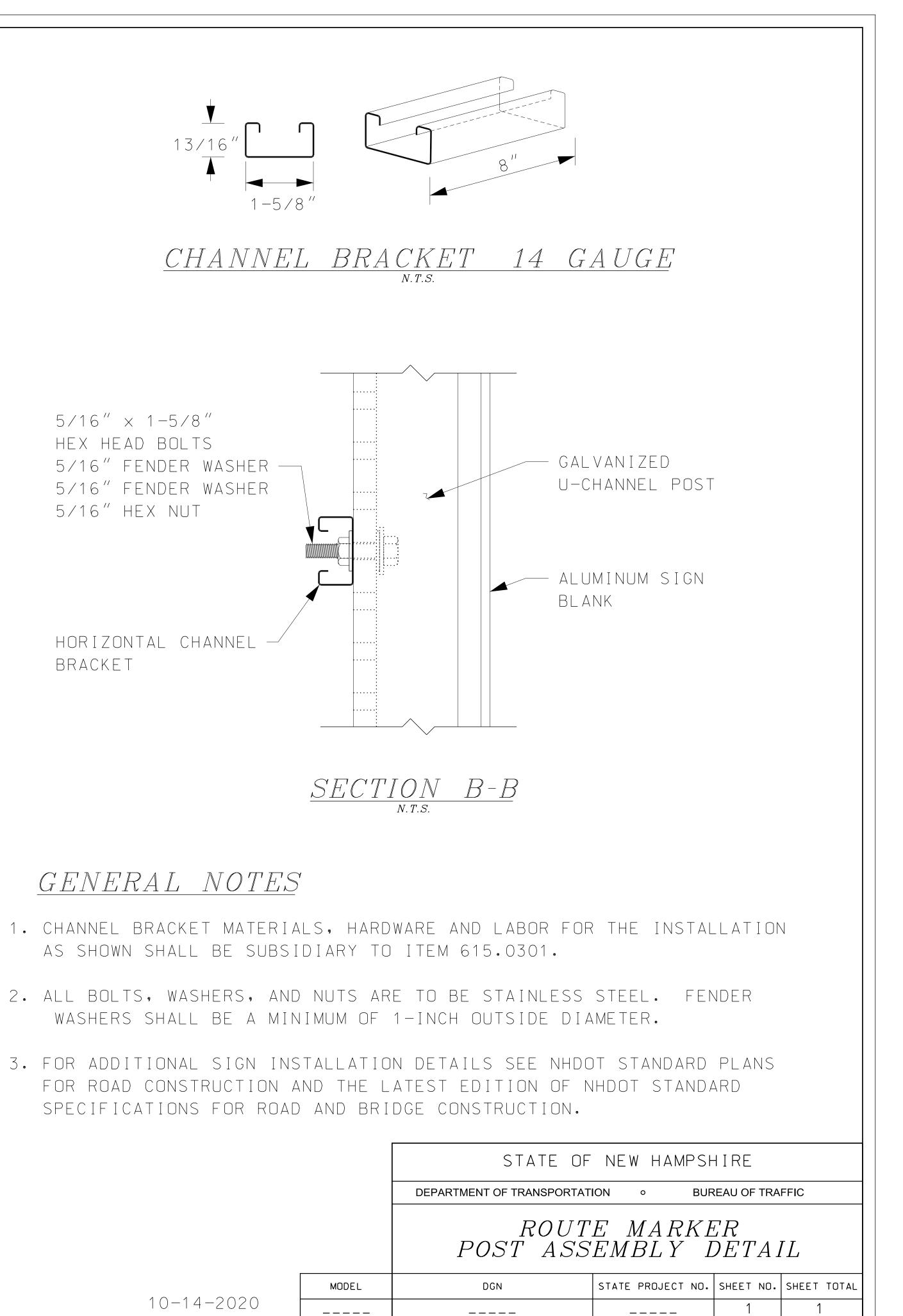




1: 8/11/2021 :Aug 11, 2021-4:05pm By: JWinston







GENERAL NOTES

		DEPARTMENT O
		POS
	MODEL	DGN
10-14-2020		

