ECHO LAKE BOAT RAMP RENOVATIONS AROOSTOOK STATE PARK

STATE PARK ROAD PRESQUE ISLE, ME 04769

CLIENT:

DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY BOATING FACILITIES PROGRAM

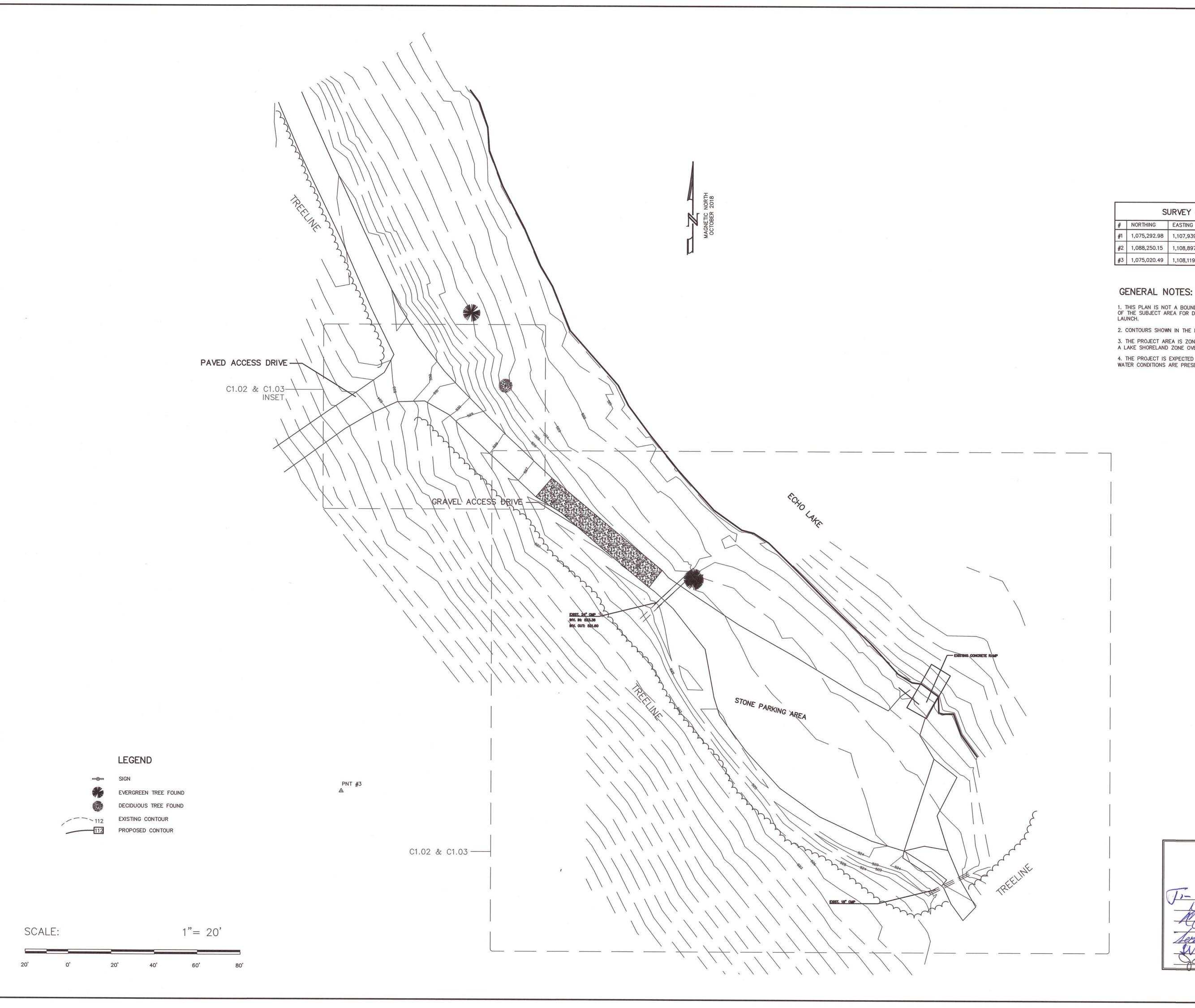
STATE HOUSE STATION #22 AUGUSTA, ME 04333-0022

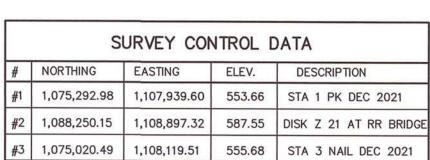
> BRSA PROJECT NO. 2021.118 BGS PROJECT NO. PT3366

Jayre Farin

ISSUED FOR FOR BID

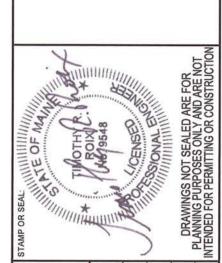
ABBREVIATIONS	GENERAL NOTES	STANDARD SYMBOL LEGEND	SHEET INDEX	
AC AIR CONDITIONING ACT ACOUSTIC CEILING TILE AFF ABOVE FINISH FLOOR AGG AGGREGATE ALT ALTERNATE APROX APPROXIMATE BIT BITUMINOUS BLDG BUILDING BOF BOTTOM OF FOOTING BOT BOTTOM BRG BEARING CATCH BASIN CFM CUBIC FEET PER MINUTE CIP CAST IN PLACE CJ CONTROL JOINT CONCETTE CMU CONCRETE MASONRY UNIT CONC CONCRETE CONC CONCRETE CONT CONTINUOUS CONT CO	1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST ADOPTED BUILDING CODES, RULES, AND REGULATIONS OF THE GOVERNING MUNICIPALITY, STATE, AND LOCAL AUTHORITIES. 2. CONTRACTOR SHALL PROVIDE TWO (2) COPIES OF ALL REQUIRED SUBMITTALS. 3. NO CHANGES SHALL BE MADE TO THE PROJECT WITHOUT WRITTEN NOTICE TO THE CONTRACTOR BY THE OWNER'S REPRESENTATIVE. 4. THESE DOCUMENTS ARE THE PROPERTY OF THE ENGINEER AND SHALL NOT BE USED OR COPIED WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER. 5. CONTRACTOR SHALL NOTIFY ENGINEER OF DRAWING DISCREPANCIES PRIOR TO CONSTRUCTION. CHANGE ORDERS WILL NOT BE ALLOWED FOR WORK THAT WAS IDENTIFIABLE FROM CAREFUL PRE—BID SITE AND DRAWING REVIEW. 6. CONTRACTOR SHALL PROVIDE ONE SET OF RECORD PRINTS MARKED UP IN RED INK TO SHOW AS—BUILT CONDITIONS. CONTRACTOR SHALL NOTE ALL MANUFACTURERS NAMES, NUMBERS, COLORS, AND OTHER PERTINENT INFORMATION FOR FINISHES, EQUIPMENT, FIXTURES, ETC.	BUILDING SECTION WALL SECTION DETAIL DETAIL EXTERIOR ELEVATION A WINDOW TAG TO DOOR TAG RIGID INSULATION LEVEL LINE KEYED NOTE A COLUMN LINE UTILITY POLE LIGHT POLE SANITARY MANHOLE TO TELEPHONE MANHOLE ELECTRICAL MANHOLE CATCH BASIN HYDRANT WATER VALVE	1 C1.01 EXISTING CONDITIONS PLAN 2 C1.02 PROPOSED LAYOUT PLAN 3 C1.03 PROPOSED GRADING PLAN 4 C1.04 EROSION CONTROL & DETAILS PLAN 5 C5.01 DETAILS 6 C5.02 DETAILS	BRSA B.R. Smith Associates, Inc. Surveying Engineering Building Design 11 Hall Street, Presque Isle, Maine 04769
CUH CABINET UNIT HEATER D DIAMETER DBL DOUBLE DL DEAD LOAD DTI. DETAIL DW DISH WASHER DW DRAWING NSD NEW STORM DRAIN LINE NSD NEW SANITARY SEWER LINE NS NEW SANITARY SEWER LINE FF EXHAUST FAN, EACH FACE BJ EXPANSION JOINT CLEC ELECTRICAL COH OF PAVEMENT COH OF PAVEMENT EQ EOUAL EW EACH WAY EXTERIOR PAVE PAVEMENT EXTERIOR PAVE PAVEMENT EXTERIOR PASSING PS POUNDS PER SQUARE FOOT PT PRESSURE TREATED POUNDS PER SQUARE FOOT PT PRESSURE TREATED PT PRESSURE TREATED POP FINE EXTINGUISHER RD ROOF DRAIN FF FIRE EXTINGUISHER RD ROOF DRAIN FR RD ROOF DRAIN REINF REDIFFORCED ROUGH OPENING ROW RIGHT OF WAY RITH W// WITH W// WELDED WITH W// WELDED WITH W// WITH W// WITH W// WELDED WITH W// WELDED WITH W// WITH W// WELDED WITH W// WELDED WITH WAY WE WELDED WITH WAY WITH W// WITH W// WELDED WITH WAY WE WELDED WITH WAY OF WELDED WITH WAY WE WELDED WITH WAY OF WELDED WE WELDED WITH WAY WE WELDED WITH WAY OF WELDED WITH WAY WE WELDED WITH WAY OF WELDED WITH WAY OF WELDED WITH WAY OF WELDED WITH WAY OF WELDED WAY OF WELDED WITH WAY OF WELDED WAY OF WELDED WAY OF WELDED WITH WAY OF WELDED WAY O	RECORD DRAWINGS SHALL BE KEPT CURRENT ON A DAILY BASIS AND SUBMITTED WITH FINAL PAYMENT REQUEST. THEY WILL BE REVISED WITH EACH PAY REQ. 7. CONTRACTOR SHALL PROVIDE OWNER WITH ALL WARRANTIES AND GUARANTEES IN WRITING AT PROJECT CONCLUSION. 8. WHERE A SPECIFIC MANUFACTURER IS NOTED CONTRACTOR SHALL NOT MAKE SUBSTITUTIONS UNLESS PREVIOUSLY APPROVED DURING BIDDING. 9. OWNER SHALL SELECT ALL COLORS, FINISHES, ETC. NOT SPECIFIED ON DRAWINGS. CONTRACTOR SHALL SUBMIT SAMPLES AS REQUIRED TO MAKE REQUESTED DECISIONS. VERIFY SPECIFIED COLORS. 10. CONTRACTOR SHALL KEEP JOB SITE CLEAN AND MAINTAIN ON SITE DISPOSAL CONTAINER. DISPOSE OF DEMOLITION AND RUBBISH PROPERLY. 11. CONTRACTOR SHALL DO A COMPLETE FINAL CLEANING OF WORK AREAS PRIOR TO FINAL PAYMENT REQUEST. 12. CONTRACTOR SHALL HAVE FULL—TIME JOB SUPERINTENDENT WHENEVER ANY WORK IS BEING PERFORMED.	STEEL/METAL STEEL/METAL SURVEY CONTROL STATION TEST PIT TEST BORING SIGN PROPERTY LINE OVERHEAD UTILITY LINE UNDERGROUND UTILITY LINE EXISTING CONTOUR TEST BORING SIGN OVERHEAD UTILITY LINE UNDERGROUND UTILITY LINE EXISTING CONTOUR TELEPHONE AND COMMUNICATIONS WATER LINE SS SANITARY SEWER LINE FM FORCE MAIN STORM DRAIN RD ROOF DRAIN FOD NOT INDICATE THEIR INVOLVEMENT IN THIS PROJECT.	SITE	Tel: 207-764-3661 Fax: 207-764-5918 30 Lower Detroit Rd, Plymouth, Maine 04969 Tel: 207-408-9912 STAMP: STAMP: DRAWINGS NOT SEALED ARE FOR PLANNING PURPOSES ONLY AND ARE NOT INTENDED FOR PERMITTING OR CONSTRUCTION SHEET TITLE: COVER SHEET BRSA PROJECT #: 2021.118 PLAN DATE: 8/9/2023 BRSA CAD FILE #: 2021118 NO PORTION OF THESE PLANS MAY BE IN ANY WAY REPRODUCED OR USED FOR ANY PURPOSE OTHER THAN THE SPECIFIC PROJECT INDICATED HEREON WITHOUT THE WRITTEN PERMISSION OF B.R. SMITH ASSOCIATES, INC.





- 1. THIS PLAN IS NOT A BOUNDARY SURVEY. IT IS AN EXISTING CONDITIONS PLAN OF THE SUBJECT AREA FOR DESIGN PURPOSES FOR PARKING AND A BOAT LAUNCH.
- 2. CONTOURS SHOWN IN THE LAKE ARE THE LAKE BOTTOM.
- 3. THE PROJECT AREA IS ZONED AGRICULTURAL FARMING AND FORESTRY WITH A LAKE SHORELAND ZONE OVERLAY.
- 4. THE PROJECT IS EXPECTED TO BEGIN IN SEPTEMBER WHEN LOW WATER WATER CONDITIONS ARE PRESENT.

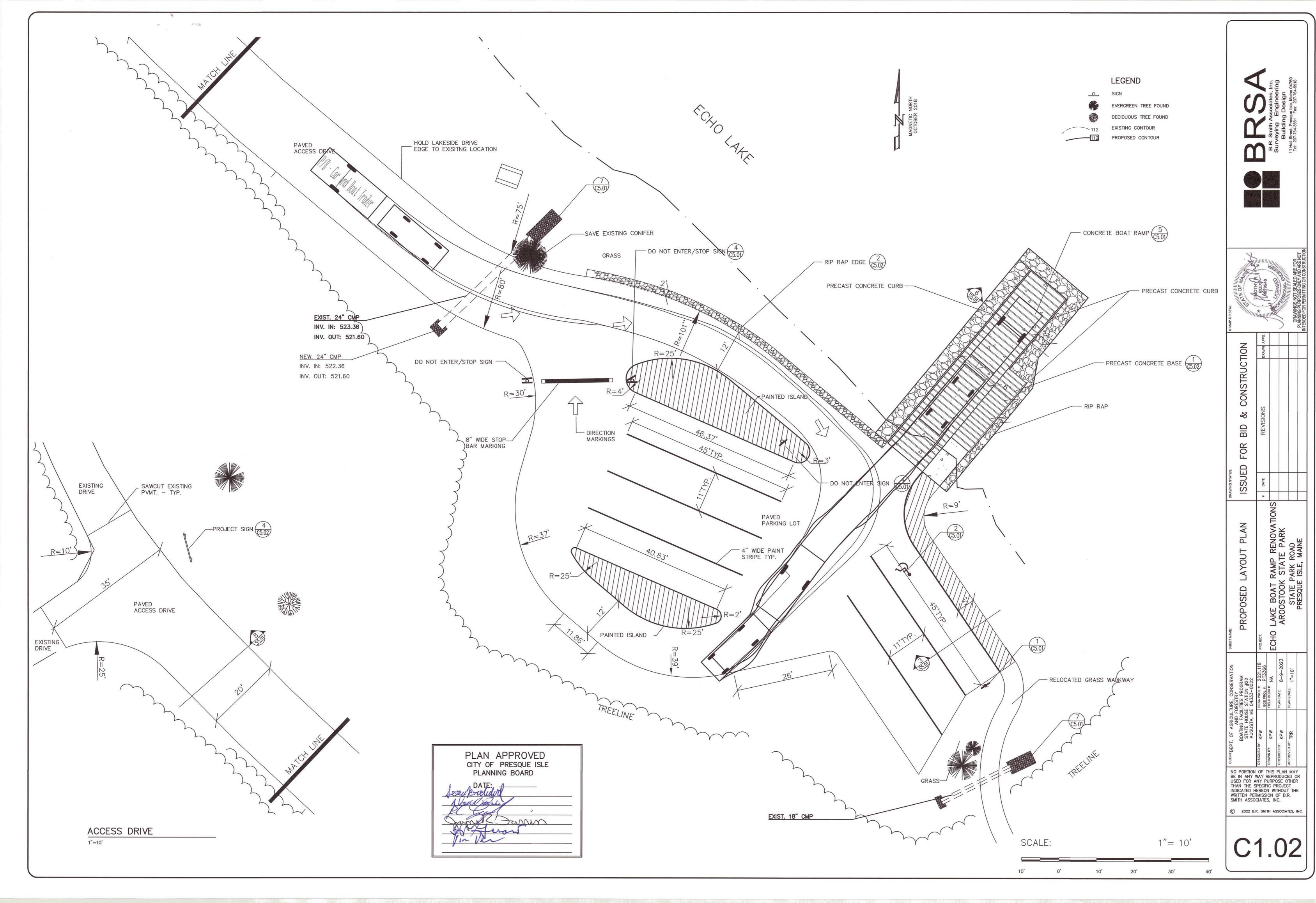
PLAN APPROVED CITY OF PRESQUE ISLE PLANNING BOARD

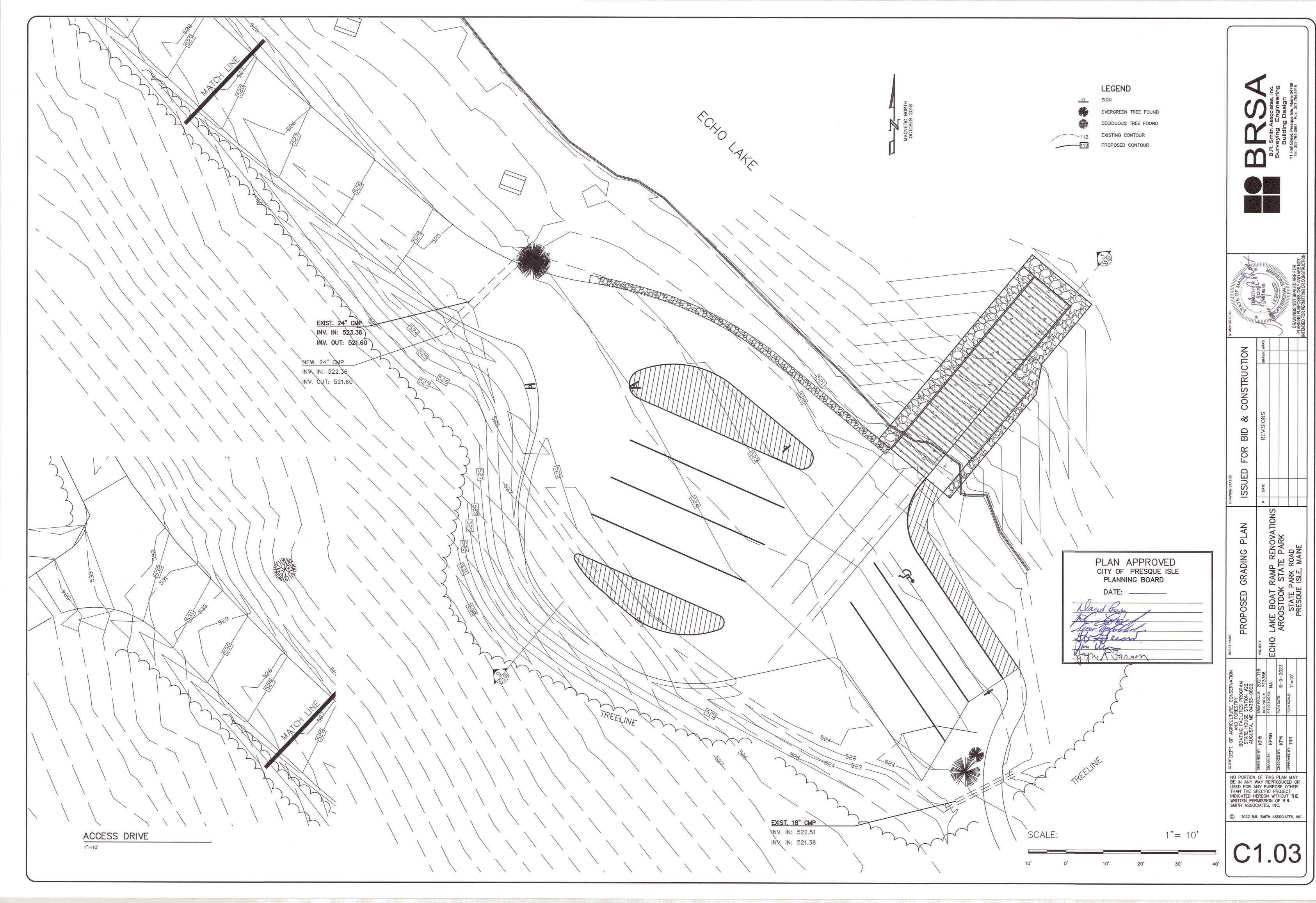


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7	APPD.				
2	DRAWN APPD.				
ISSUED FOR BID & CONSTRUCTION	REVISIONS				
SSU	DATE				
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EXISTING CONDITIONS PLAN	PROJECT:	ECHO LAKE BOAT RAMP RENOVATIONS	ш	-	PRESQUE ISLE, MAINE
AND FORESTRY BOATING FACILITES PROGRAM STATE HOUSE STATION #22 AUGUSTA, ME 04333-0022	BRSA PROJ. #: 2021.118 BGS PROJ. #: PT3366	FIELD BOOK# NA	PLAN DATE: 8-9-2023	PLAN SCALE: 1" = 20'	
BOATING STATE AUGUS	DESIGNED BY: KPW	SHE DRAWN BY: KPW	снескер ву: КРW	APPROVED BY: TRR	

BE IN ANY WAY REPRODUCED OR USED FOR ANY PURPOSE OTHER THAN THE SPECIFIC PROJECT INDICATED HEREON WITHOUT THE WRITTEN PERMISSION OF B.R. SMITH ASSOCIATES, INC.

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Introduction

This Erosion and Sedimentation Control Plan has been prepared to aid in the prevention of erosion and subsequent sedimentation of the downstream stormwater structures during and after construction of the proposed project. Actual prevention is the responsibility of all those involved in the project especially those involved in site construction. Construction personnel and the developer must be observant and prepared to take immediate action to prevent erosion at all times. This plan should be used as a guide, however unforeseen site conditions and storm events may require additional or alternative preventative measures. This plan has been prepared in accordance with the Maine Erosion and Sediment Control Handbook for Construction: Best Management Practices and MDOT BMP.

Administration

This Plan has been prepared by B.R. Smith Associates, Inc. for use by all those involved in the development of the site and lot improvements. The Plan shall be administered by the Construction Manager until completion of construction. Upon completion of construction the administration of the Plan for the site shall pass to the Owner.

During basis fo	the devel	lopment of t	his site the	reas of preve	as shall be wa ntative measur			Measures
Man Mo Existing Man Mo Roadwa	ide Slop Drainag ide Swale y Drainag	e Swales	Mulch Check [Checl Haybale Ir	Temp. Me Grass Cover, , Grass Cover Dams (as req < Dams, Mulch let Protection Inlet Protection	Silt Barrier r, Silt Barrier l.) , Grass		Grass Cover Grass Cover Natural Cove Rip Rap,Grass Rip Rap	
All peop	ole shoul	d have a co ravel. Within	ncern for the	e environment oment the fo	t and keep a	watch for should be	erosion of soils of special concerr	1
Detenti	Slopes on Struct e Swales	ture & Basin	Mul	Temp. Me Mulch, Grass ch, Grass Co Mulch, Grass	Cover ver	See I Se	Grass Cover Design if Part of e Design if Part	Project of Project
Tempor -Purpo vegetat extreme -Produ -Requii exposui -Execu -Mainte erosion -Remo regradii -Wintel mature 99% co	ary Mulci se: To p ion by c e heat a ct: Organ red Usag re. tion: App enance: . Remul val: Ter ng is to r Mulch L vegetati overage o	revent erosiconserving avent cold. nic Mulches: e: Apply to plication shall be ching shall be mporary Mulches done. ayer: A windon after Sepuration after Sepurations and disturbes Cover	on by protectial able moists Hay or straction exposed soil I be at a resistant be inside required in the shall be referented in the stember 30. The stember	w mulch, free surfaces prior te of 2 bala pected weekly fless than 9 emoved once ayer shall be	e of weed seed or to any storr es (70 - 90 II y and after evolution of soil surfivegetative covapplied to all	providing particles. In event and particles. In even and particles. In event and particles.	event, to check	of for t have
which h	ation of nave not ade.	reduce erosi disturbed are been brough	eas it to					
-Produ		ccordance wi TE) Lb./Ac.	MPORARY SE	EDING RATES Seeding	Recommended	5.7.7.7.7	narks	
Wir	nter Rye	112 (2.0)	2.6	Depth 1–1.5 in.			Good for fall seed	ing. Select
Oa	ts	80 (2.5 bu)	1.8	1-1.5 in 8/1	. 4/1 - 7, 5-9/15	roostook Ry /1 Early fo	Best for spring all seedings will die weather moves in,	seeding.
An	nual Ryeg	rass 40	0.9	.25 in.	4/1 - 7/1	duration. Us s important	Grows quickly but is se where appearanc With mulch, seed e throughout growin	e ing
Su	dangrass	40(1.0 bu)	0.9	0.5 – 1in.	5/15-8/15 F	periods.	Good growth during	hot summer
	rennial mporary n	40(1.0 bu)	0.9	0.25		Annual Ryeg allow seeding season.	Good cover, longer I rass, mulching will g through growing	asting than
-Required response of the condition of t	enance: for erosic for erosic for erosic for other fores: for sedin for sedin for dual fores: for sedin for the fores: for sedin for sedin for the fores: for sedin	ge: Provide to the tention measures on topsoil at rate of the control on the tention measures on the tention on the tention of	retain small be retain small described in accordance barriers show or failure. The control of the control of the control of sufficient curtain small be retain small be retain small described in accordance barriers show or failure. The control of the control of the control of sufficient curtain small be retain small be retain small be retain small be retained in all newly control of sufficient curtain small be retained in all newly control of sufficient curtain small be retained ams when reta	eriod of more of 2". Appl 1,000 sq. ft. all be inspected if les in the interior of 30 lb/in in les with enclosed be inspected and reseed and researched and rese	e than 90 days by 13.8 lb. of 1 Apply seed of 1 Apply seed of the weekly and a set than 95% of m. It sediment from the sed weekly and affected of sediment from the sediment from the sed detail and the sed weekly and arriers shall be ved once the instantial sed weekly and arriers shall be set of sediment from the sed once the instantial seekly and after shall be removed that to facilitate the disturbed ditails.	s. 0-10-10 uniformly of uniformly of after ever et after ever maintaine et ever maintaine et every stoed after ever every stoed after every stoed af	y storm event, to ach storm event. e barrier. mentation of the erwater disturbed red. diment from rer's instructions. by storm event, to ach storm	or or
	Seed M	lixture	50 No.	NT SEED MIX Acre	TURE Lbs/1000 sf			
1.	Roadsides horizonta Creeping Tall Fesc Redtop Total	s, ditches, wet I to 1 vertical, Red Fescue ue	land banks, ex etc. (Mowing 20 20 2 42	desired) 0.4 0.6 0.6 0.6	posed swales, and 46 46 55 57		less steep than 3	
Note:	Inoculate	all legume se	eds, and use	four times the	recommended re	ate of inocu	llant when	

Note: Inoculate all legume seeds, and use four times the recommended rate of inoculant when

Mulch after seeding.

-Execution: Permanent grass cover shall be installed within 7 days of final grading. Apply fertilizer, lime in accordance with Temporary Cover and seed rates of the above BMP table.

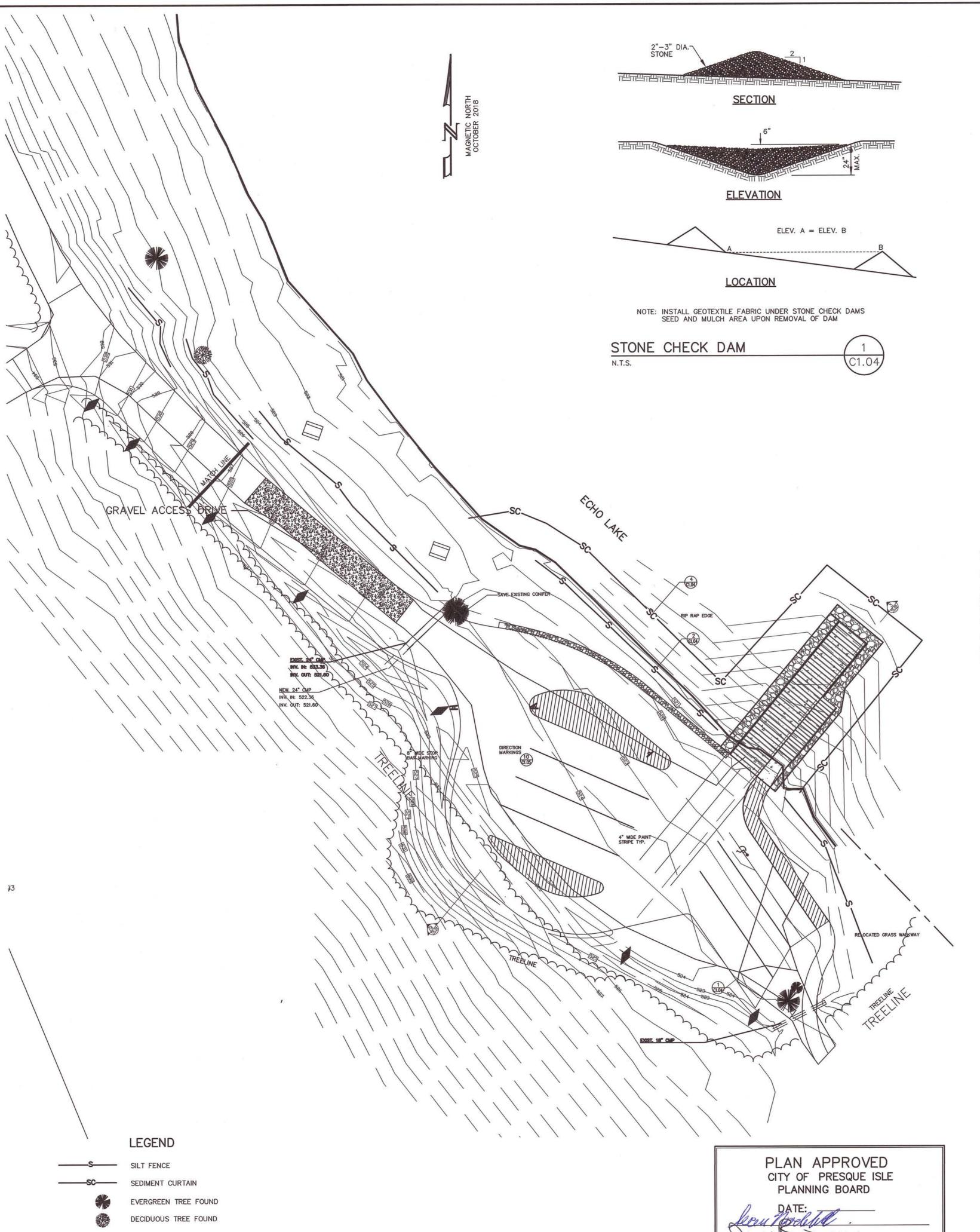
-Maintenance: Establish a grass cover and remove mulch. Reseed areas not attaining a cover of 90%.

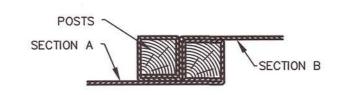
EXISTING CONTOUR

PROPOSED CONTOUR

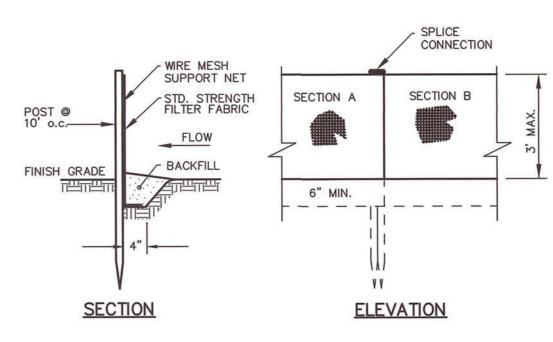
STONE CHECK DAM

EROSION CONTROL BERM



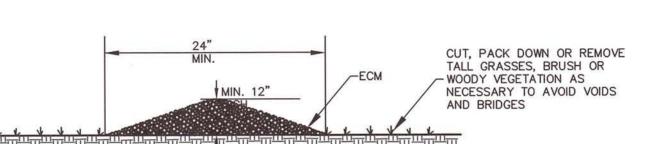


FENCE SPLICE CONNECTION



NOTE: IF EXTRA STRENGTH FABRIC IS USED WIRE MESH MAY BE OMITTED, PROVIDING POST SPACING DOES NOT EXCEED 6' o.c.



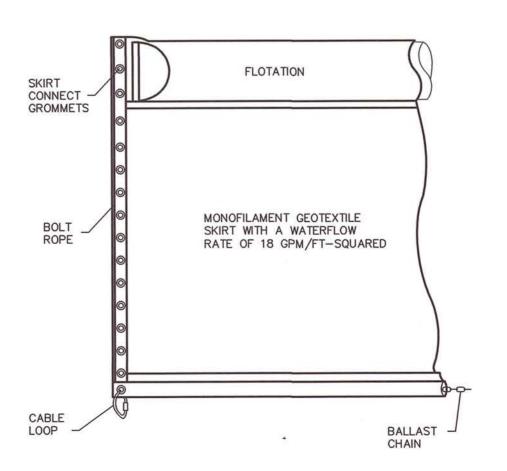


NOTES:

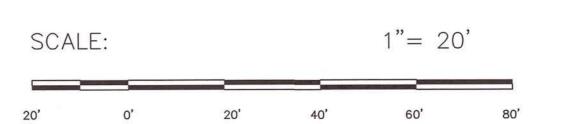
1. EROSION CONTROL MIX SHALL BE A DENSE, PROCESSED MIXTURE OF INTERTWINING SHREDDED WOOD FRAGMENTS AND GRIT, i.e. SHREDDED BARK, STUMP GRINDINGS, OR PARTIALLY COMPOSTED WOOD PRODUCTS. THE MIX MUST BE WELL-GRADED WITH AN ORGANIC COMPONENT THAT IS BETWEEN 50 AND 100% OF DRY WEIGHT AND THAT IS COMPOSED OF FIBROUS AND ELONGATED FRAGMENTS.

2. EROSION CONTROL MIX SHALL NOT INCLUDE ANY ROCKS LARGER THAN 4" OR LARGE AMOUNTS OF FINES (SILTS AND CLAYS). THE MIX SHALL BE FREE OF ANY REFUSE, MATERIAL TOXIC TO PLANT GROWTH OR UNSUITABLE MATERIAL, i.e. BARK CHIPS, GROUND CONSTRUCTION DEBRIS, OR REPROCESSED WOOD PRODUCTS.





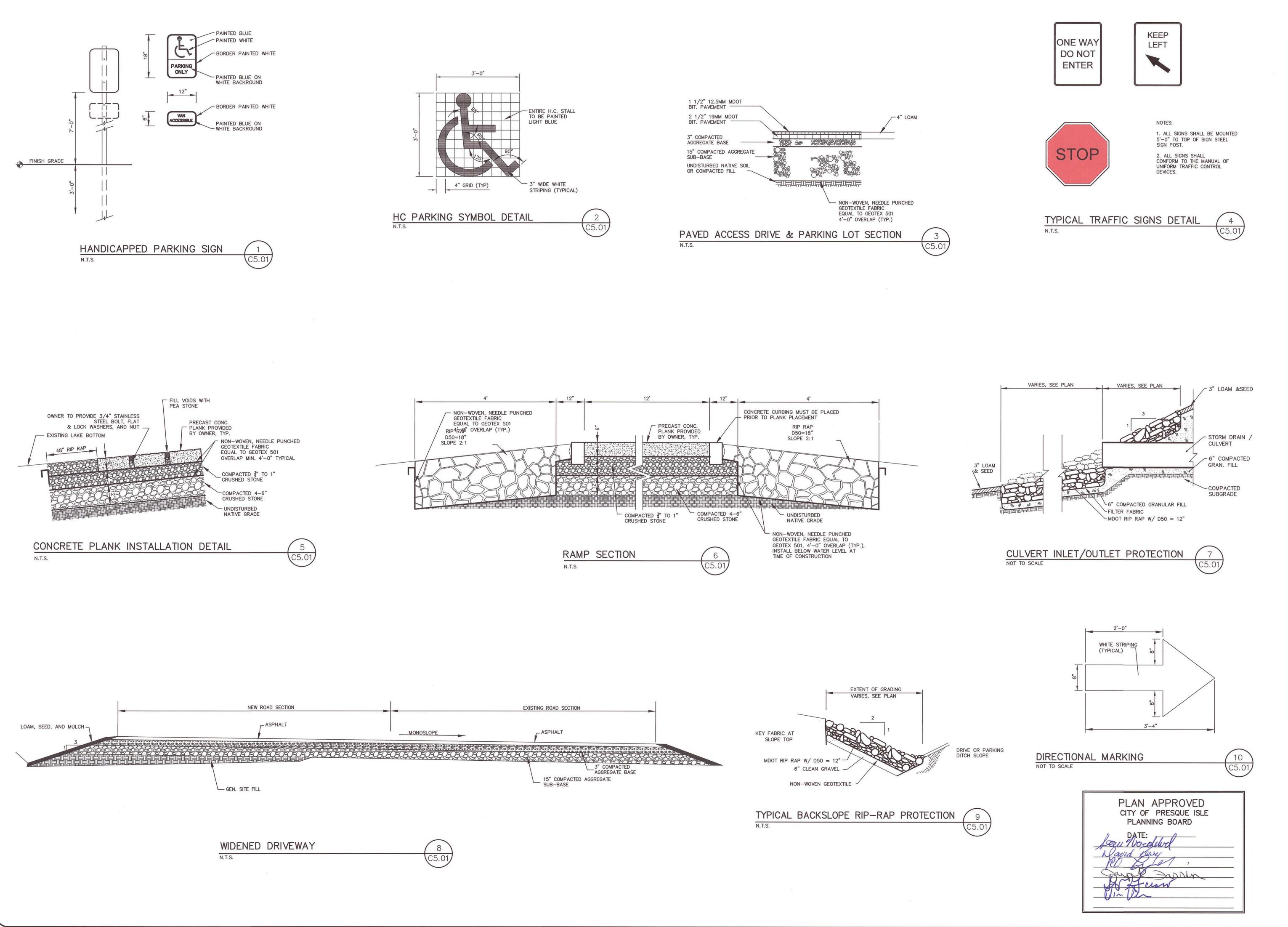






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	REVISIONS				
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- 1	DATE				
_	#				
EROSION CONTROL & DETAILS PLAN			AROOSTOOK STATE PARM	STATE PARK ROAD	PRESQUE ISLE, MAINE
	PROJE	습			
E 04333-0022	BRSA PROJ. #. 2021.118 BGS PROJ. #. PT3366	FIELD BOOK#: NA	PLAN DATE: 8-9-2023	PLAN SCALE: AS SHOWN	
AUGUSTA, M	DESIGNED BY:	DRAWN BY: KAH	снескер ву: КРW	APPROVED BY: TRR	
	1 0 H 3 X X X X X X X X X X X X X X X X X X	UE All C All C	UE I AIL S FL/	UE I AIL S FL UE SIGNED BY:	DE I AILCO FOL BESIGNED BY:

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B.R. Smith Associates, Inc. Surveying Engineering Building Design 11 Hall Street, Presque Isle, Maine 04769 Tel: 207-764-3661 Fax: 207-764-5618

DRAWING NOT SEALED ARE FOR PLANNING PURPOSES ONLY AND ARE NOT

ISSUED FOR BID & CONSTRUCTION

DATE REVISIONS DRAWN APP

DETAILS

ROJECT:

CHO I AKE BOAT RAMP RENOV

ATE HOUSE STATION #22
GUSTA, ME 04333-0022

W BRSA PROJ.#: 2021.118
RGS PROJ.#: PT3366

N FIELD BOOK#: NA

PLAN DATE: 11-15-2022

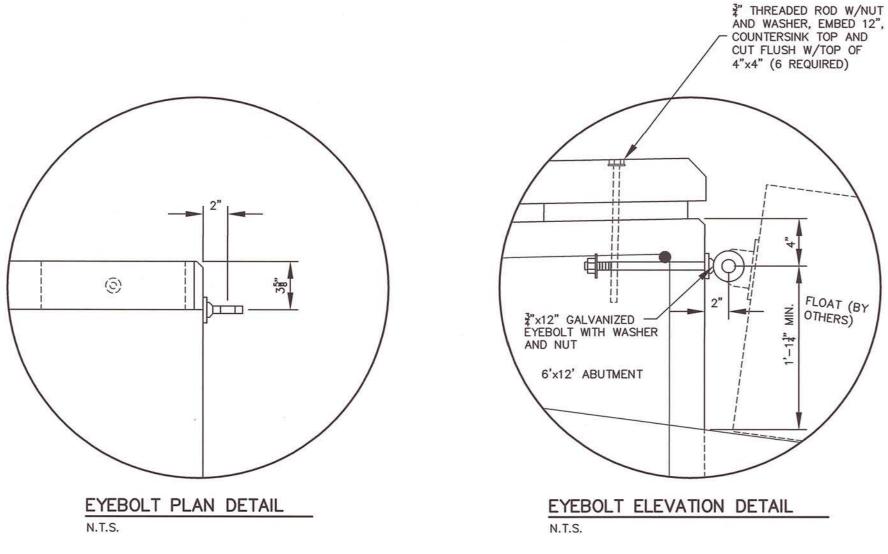
DESIGNED BY: KPW

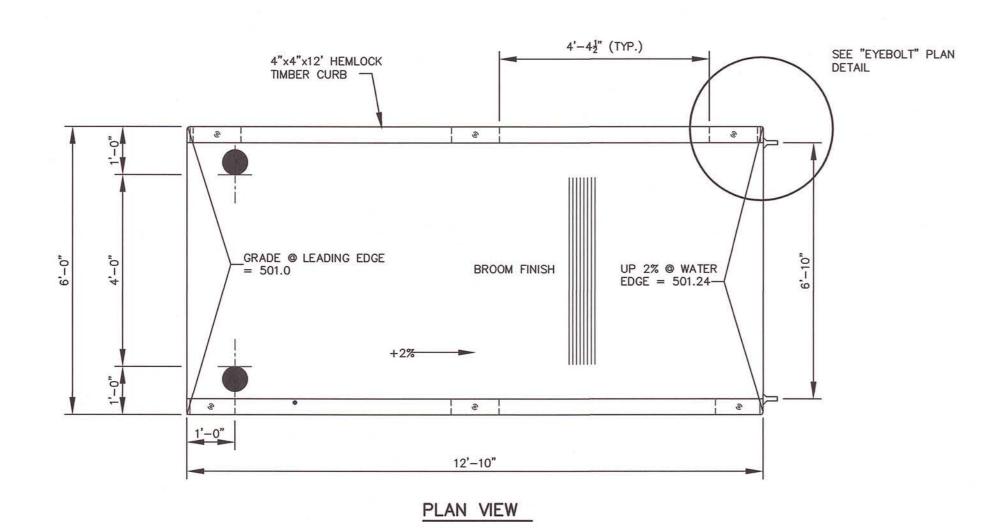
DESIGNED BY:

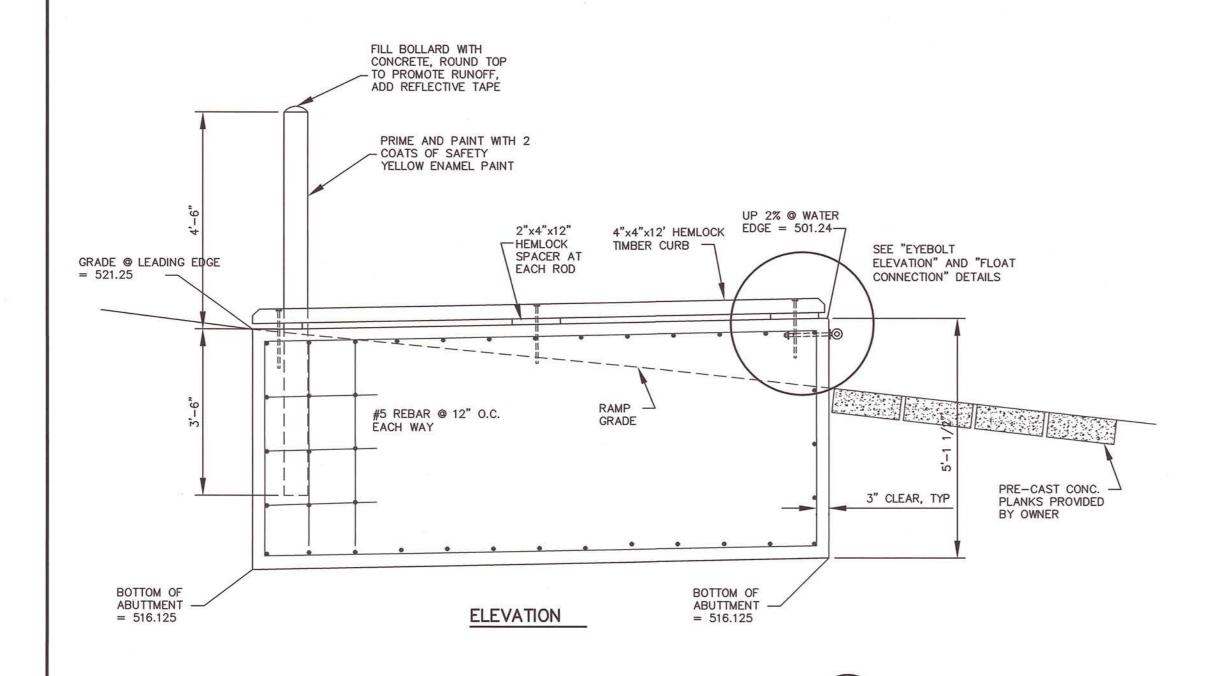
NO PORTION OF THIS PLAN MAY
BE IN ANY WAY REPRODUCED OR
USED FOR ANY PURPOSE OTHER
THAN THE SPECIFIC PROJECT
INDICATED HEREON WITHOUT THE
WRITTEN PERMISSION OF B.R.
SMITH ASSOCIATES, INC.

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C5.01







6' x 12' CONCRETE ABUTMENT 1500 H-20 38Y
N.T.S.

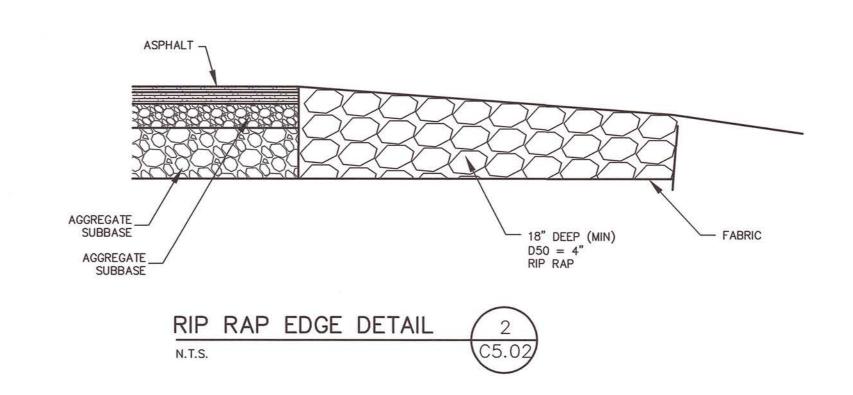
3. USE HEMLOCK TIMBER FOR CURB AND BLOCKS. 4. PROVIDE DEFORMED REINFORCING STEEL CONFORMING TO THE REQUIREMENTS OF AASHTO M31. 5. CONCRETE SHALL BE 4,000 PSI. 6. HAND RAILS ARE NOT REQUIRED SINCE THE ABUTMENT IS NORMALLY LESS THAT 30" ABOVE GRADE AND OTHERWISE CONSIDERED PART OF A "LOADING DOCK".

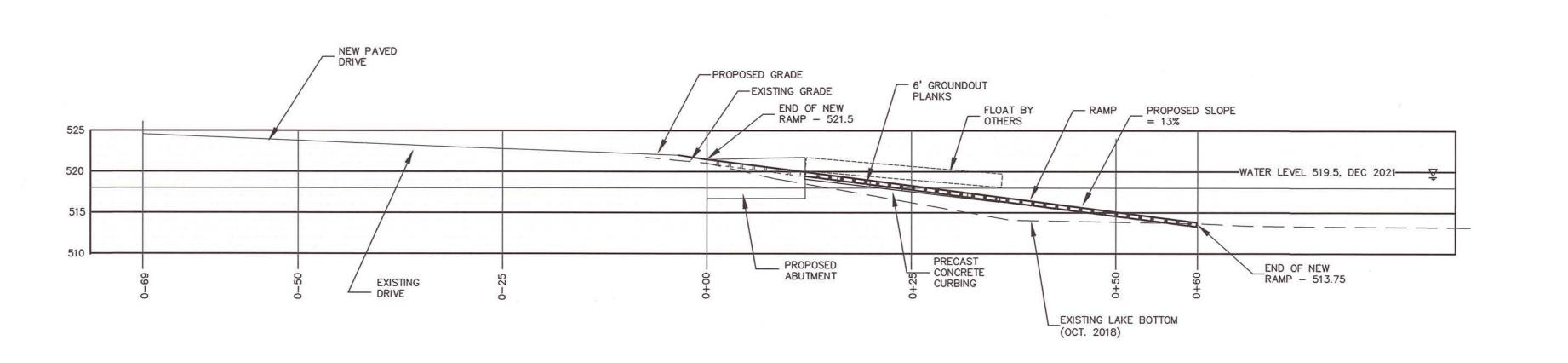
EDGING TOOL.

CAST IN PLACE CONCRETE NOTES:

1. CHAMFER VERTICAL CORNERS OF CONCRETE ABUTMENT 1.".

2. FINISH TOP EDGES (HORIZONTAL CORNERS) OF CONCRETE WITH



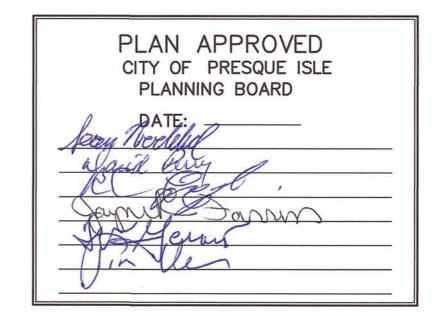




RAMP SECTION

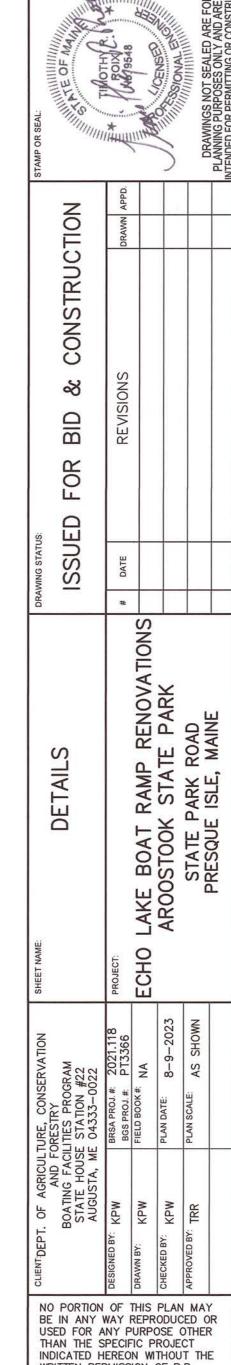
H: 1"=10' V: 1"=1'

CONSTRUCTION SIGN DETAIL









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