PUBLIC NOTICE



Concord, MA 01742-2751

Comment Period Begins: October 13, 2015 Comment Period Ends: November 12, 2015

File Number: NAE-2006-4281

In Reply Refer To: Crystal I. Gardner

Phone: (978) 318-8332

E-mail: crystal.i.gardner@usace.army.mil

The District Engineer has received a permit application to conduct work in waters of the United States from the Provincetown Airport Commission, 176 Race Point Road, Provincetown, Massachusetts. This work is proposed in at 176 Race Point Road, Provincetown, Massachusetts. The site coordinates are: Latitude 42 04 19 N Longitude 70 13 19 W.

The work involves the discharge of dredged or fill material for Capital Improvements at the airport. These improvements consist of a total of five project elements that involve impacts to wetlands and waters of the United States. They include safety improvements consisting of the relocation and reconfiguration of the existing taxiway system, the construction of a vehicle turn around to the approach light system, construction of a service road to access to weather station, installation of a safety/security fence and other safety improvements that will bring the airport into compliance with current safety and security standards. Approximately 1.35 acres of wetlands will be altered for direct fill activities and 0.56 acres will be impacted for vegetation cutting. Table #9 providing a detailed breakdown of the impacts associated with this project is attached.

The purpose of this project is to provide operational safety and security improvements in order to comply with current Federal Aviation Administration (FAA), Massachusetts Department of Transportation (Mass DOT) Aeronautics Division and Transportation Security Administration (TSA) safety and security design standards.

The work is shown on the attached plans entitled "PROVINCETOWN MUNICIPAL AIRPORT CAPITAL IMPROVEMENT PLAN," on fifteen sheets, and dated "MAY 2015."

Mitigation of the impacts to vegetated wetlands will be provided by restoration at a ratio of 2:1 this includes the removal of fill, including pavement, at both ends of the airport (Mitigation Areas A, B, and C). The total area to be restored to Palustrine Scrub Shrub (PSS) will be 85,000 square feet. The remaining areas will be compensated for using the Massachusetts In-Lieu-Fee Program at \$14.26 per square foot.

The preferred development alternatives in the EA/EIR were modified to reduce wetland impacts wherever feasible considering site constraints of the airport infrastructure being surrounded by wetlands.

AUTHORITY

THE THE THE T
Permits are required pursuant to:
Section 10 of the Rivers and Harbors Act of 1899
X Section 404 of the Clean Water Act
Section 103 of the Marine Protection, Research and Sanctuaries Ac

CENAE-R FILE NO. NAE-2006-4281

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Where the activity involves the discharge of dredged or fill material into waters of the United States or the transportation of dredged material for the purpose of disposing it in ocean waters, the evaluation of the impact of the activity in the public interest will also include application of the guidelines promulgated by the Administrator, U.S Environmental Protection Agency, under authority of Section 404(b) of the Clean Water Act, and/or Section 103 of the Marine Protection Research and Sanctuaries Act of 1972, as amended.

NATIONAL HISTORIC PRESERVATION ACT

Based on his initial review, the District Engineer has determined that the proposed work may impact properties listed in, or eligible for listing in, the National Register of Historic Places. Additional review and consultation to fulfil requirements under Section 106 of the National Historic Preservation Act of 1966, as amended, will be ongoing as part of the permit review process.

ENDANGERED SPECIES CONSULTATION

The New England District, Army Corps of Engineers has reviewed the list of species protected under the Endangered Species Act of 1973, as amended, which might occur at the project site. It is our preliminary determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect any federally listed endangered or threatened species or their designated critical habitat. By this Public Notice, we are requesting that the appropriate Federal Agency concur with our determination.

COASTAL ZONE MANAGEMENT

The States of Connecticut, Maine, Massachusetts, New Hampshire and Rhode Island have approved Coastal Zone Management Programs. Where applicable, the applicant states that any proposed activity will comply with and will be conducted in a manner that is consistent with the approved Coastal Zone Management Program. By this Public Notice, we are requesting the State concurrence or objection to the applicant's

CENAE-R FILE NO. NAE-2006-4281

consistency statement.

The following authorizations have been applied for, or have been, or will be obtained:

- (X) Permit, License or Assent from State.
- (X) Permit from Local Wetland Agency or Conservation Commission.
- (X) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. Comments should be submitted in writing by the above date. If you have any questions, please contact Crystal Gardner at (978) 318-8332, (800) 343-4789 or (800) 362-4367, if calling from within Massachusetts.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The Corps holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.

Kevin R. Kotelly
Chief, Permits and Enforcement Branch
Regulatory Division

If you would prefer not to continue receiving Public Notices by email, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil. You may also check here () and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME:	
ADDRESS:	
PHONE:	

Table 9. Direct and indirect wetland impacts by resource area and individual wetland area

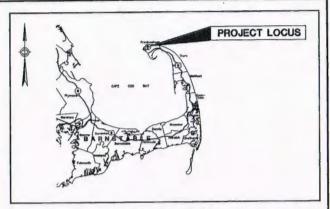
					1					-	Project I	Element										
										i	Fen	ce*						TOTAL WETL	AND IMPACTS			
	West End TW System (Direct Impact)		East End	East End Taxiway		MALSF Access Road		cess Road	Fence Posts		Vegetation Cutting		(No Cutting)		DIRECT IMPACT				TOTAL DIRECT IMPACT		TOTAL INDIE	ECT INADAC
			(Direct Impact)		(Direct Impact)		(Direct Impact)		(Direct Impact)		(Direct Impact)		(Indirect Impact)		Direct	Fill	Vegetation Cutting				TOTAL INDIRECT IMPACT	
Wetland Type	(SF)	(ac)	(SF)	(ac)	(SF)	(ac)	(SF)	(ac)	(SF)	(ac)	(SF)	(ac)	(SF)	(ac)	(SF)	(ac)	(SF)	(ac)	(SF)	(ac)	(SF)	(ac)
BVW																						
Wetland Fill:										ì												
Wetland C/J/FK	274	0.01	-	-	238	0.01	-	-	-	-	-		9,728	0.22	512	0.01	-	-			9,728	0.22
Vegetation cutting (pitch pine removal)									14		1,152						1,152					
Phragmites	-	-	-	-	-	-	-	-	40		5,208	0.12			-	-	5,208	0.12				
NET TOTAL BVW	274	0.01	-	-	238	0.01	-	-	54	0.00	1,152	0.03	9,728	0.22	512	0.01	1,152	0.03	1,664	0.04	9,728	0.22
IVW	1		J						- 1							- 1	1					
Wetland Fill:					1		-								1							
Wetland I	29,191	0.67	-	-	-		-	-	-	-	-	-	-	-	29,191	0.67	-	40	29,191	0.67	-	
Wetland B	-		28,110	0.65		-			_		-		-	88	28,110	0.65	-	-	28,110	0.65	-	-
Wetland H	-	-	-	-	-	-	335	0.01	-	-	-	-	-	-	335	0.01			335	0.01	-	-
Vegetation cutting (dense shrubs)										-												
Wetland B	-	-	-	-	-	-	-	-	10	2E-04	115	3E-03	-	-	10	0.00	115	3E-03	125	0.00	-	-
Wetland C	-	-	-	-	-	-	-	-	191	4E-03	5,241	1E-01	14,360	0.33	191	0.00	5,241	1E-01	5,432	0.12	14,360	0.33
Wetland CC	-	-	-	-	-	-	-	-	4	9E-05	570	1E-02	-	-	4	0.00	570	1E-02	574	0.01	-	-
Vegetation cutting (pitch pine removal)																						
Wetland DM	-	-	ha		-	-	-	-	1	3E-05	36	8E-04	48	0.00	1	0.00	36	8E-04	37	0.00	48	0.00
Wetland BC/F	-	-			-		_	-	6	1E-04	400	9E-03	960	0.02	6	0.00	400	9E-03	406	0.01	960	0.02
Wetland E/DD	-	-	-	-	-	-	-	-	11	3E-04	832	2E-02	872	0.02	11	0.00	832	2E-02	843	0.02	872	0.02
Wetland DB	-	-	-	-	-	-	-	-	29	7E-04	2,340	5E-02	2,344	0.05	29	0.00	2,340	5E-02	2,369	0.05	2,344	0.05
Wetland L	-	-	-	-	-	-	-	-	200	5E-03	12,942	3E-01	12,992	0.30	200	0.00	12,942	3E-01	13,142	0.30	12,992	0.30
Vegetation cutting (pitch pine w/shrubs)																						
Wetland L	-	-	-	-	-	-	-	-	200	5E-03	728	2E-02	(see ab	ove)	(see ab	ove)	728	2E-02	728	0.02	(see ab	bove)
Total IVW	29,191	0.67	28,110	0.65	-	0.00	335	0.01	652	0.01	23,204	0.53	31,576	0.72	58,088	1.33	23,204	0.53	81,292	1.87	31,576	0.72
TOTAL WETLAND ALTERATION	29,465	0.68	28,110	0.65	238	0.01	335	0.01	706	0.02	24,356	0.56	41,304	0.95	58,600	1.35	24,356	0.56	82,956	1.90	41,304	0.95

*Impact Area Calculations and Assumptions for Fence 1. BVW = Wetland C/J/FK

- Direct Impacts for the Fence area calculated in terms of 1 SF per fence post. Fence post spacing = 1 post every 10 linear feet
 Number of fence posts are rounded to the next integer to calculate direct impacts.
- . Direct impacts for the Fence area also include cutting of vegetation communities as indicated (PSS or PFO)
- Indirect Impacts associated with Fence calculated based upon an 8-foot wide swath no initial vegetation management required
 Of the total amount of cutting within BVW, 1,152 SF are of forested wetlands, while 5,208 SF are of a *Phragmites* monoculture

TOWN OF PROVINCETOWN MASSACHUSETTS

PERMITTING PLANS
NOT FOR CONSTRUCTION



VICINITY PLAN

PROVINCETOWN MUNICIPAL AIRPORT AIP NO. 3-25-0043-36-2013

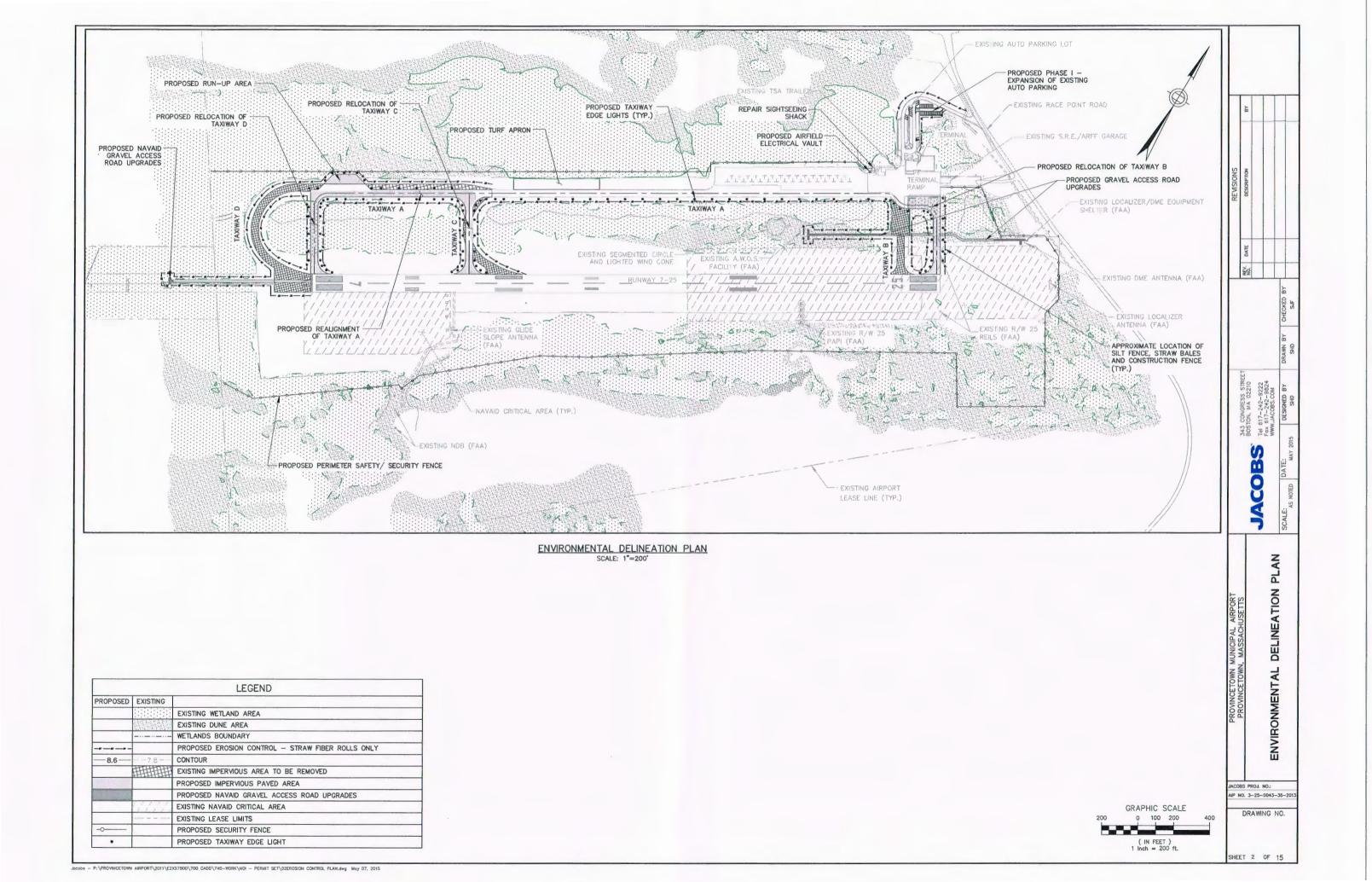
	INDEX OF DRAWINGS
SHEET NUMBER	TITLE
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	TITLE SHEET ENVIRONMENTAL DELINEATION PLAN PROPOSED AIRFIELD IMPROVEMENT PLAN PROPOSED AIRFIELD IMPROVEMENT PLAN, SHEET 1 OF 4 PROPOSED AIRFIELD IMPROVEMENT PLAN, SHEET 2 OF 4 PROPOSED AIRFIELD IMPROVEMENT PLAN, SHEET 3 OF 4 PROPOSED AIRFIELD IMPROVEMENT PLAN, SHEET 3 OF 4 PROPOSED AIRFIELD IMPROVEMENT PLAN, SHEET 4 OF 4 PROPOSED FENCE PLAN PROPOSED PHASE 1 PARKING LOT GRADING AND DRAINAGE PROPOSED PHASE 1 GRADING AND DRAINAGE DETAILS 1 PROPOSED PHASE 1 GRADING AND DRAINAGE DETAILS 1 PROPOSED PHASE 1 GRADING AND DRAINAGE DETAILS 2 WETLAND MITIGATION — WEST END TAXIWAY WETLAND MITIGATION — EAST END TAXIWAY MITIGATION AREA DETAILS EROSION CONTROL AND SEDIMENTATION DETAILS

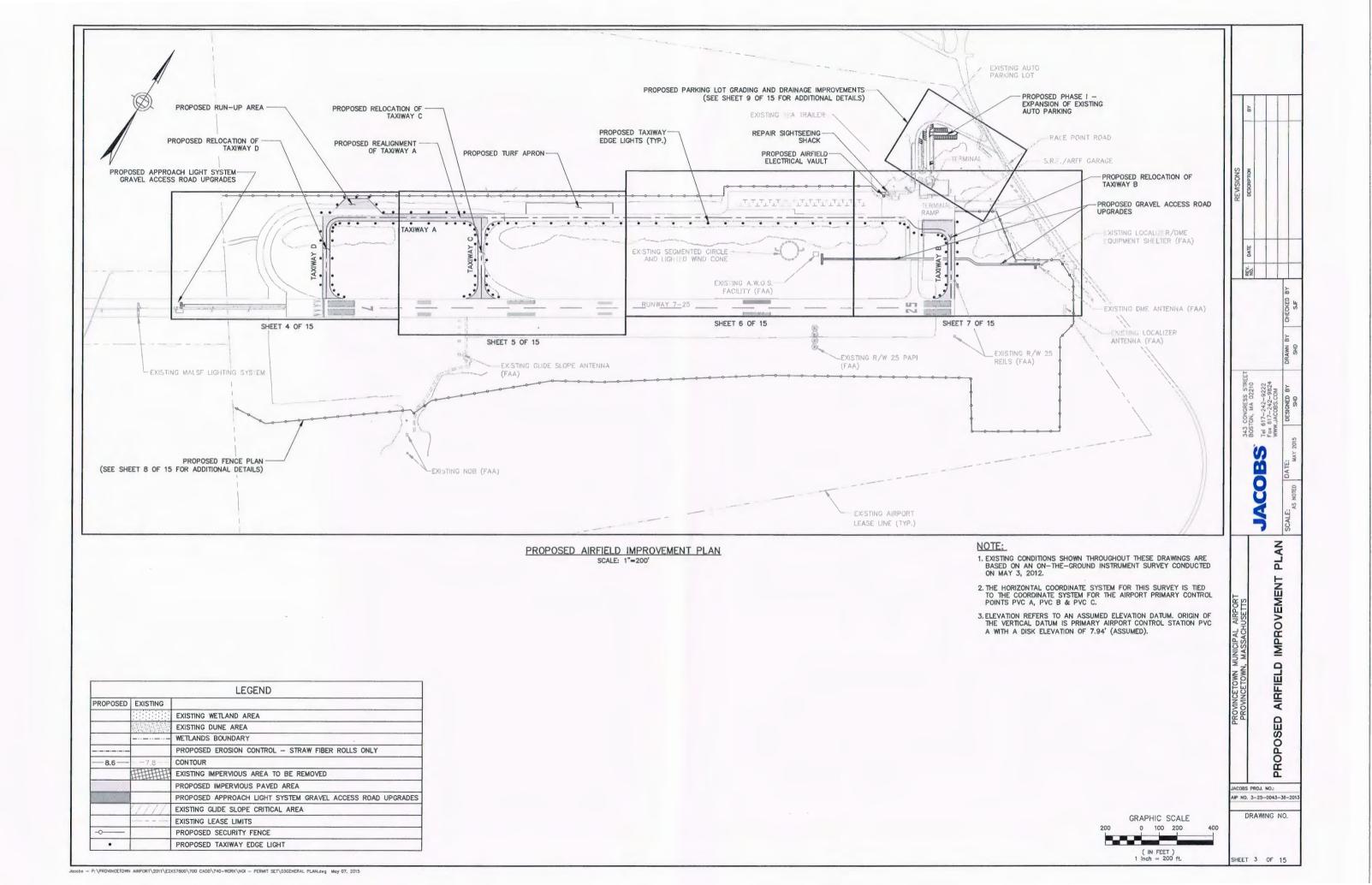
PROVINCETOWN MUNICIPAL AIRPORT CAPITAL IMPROVEMENT PLAN

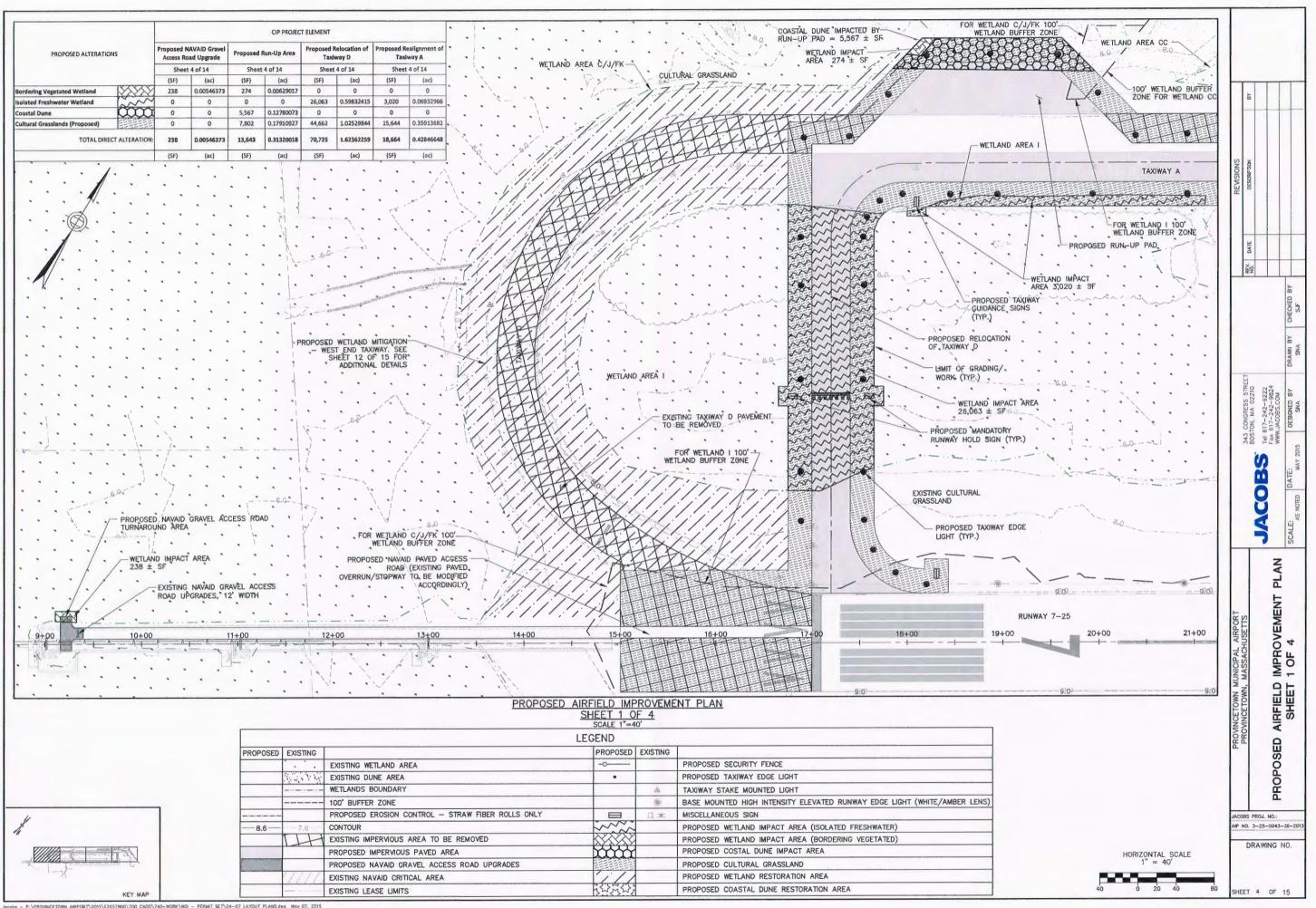


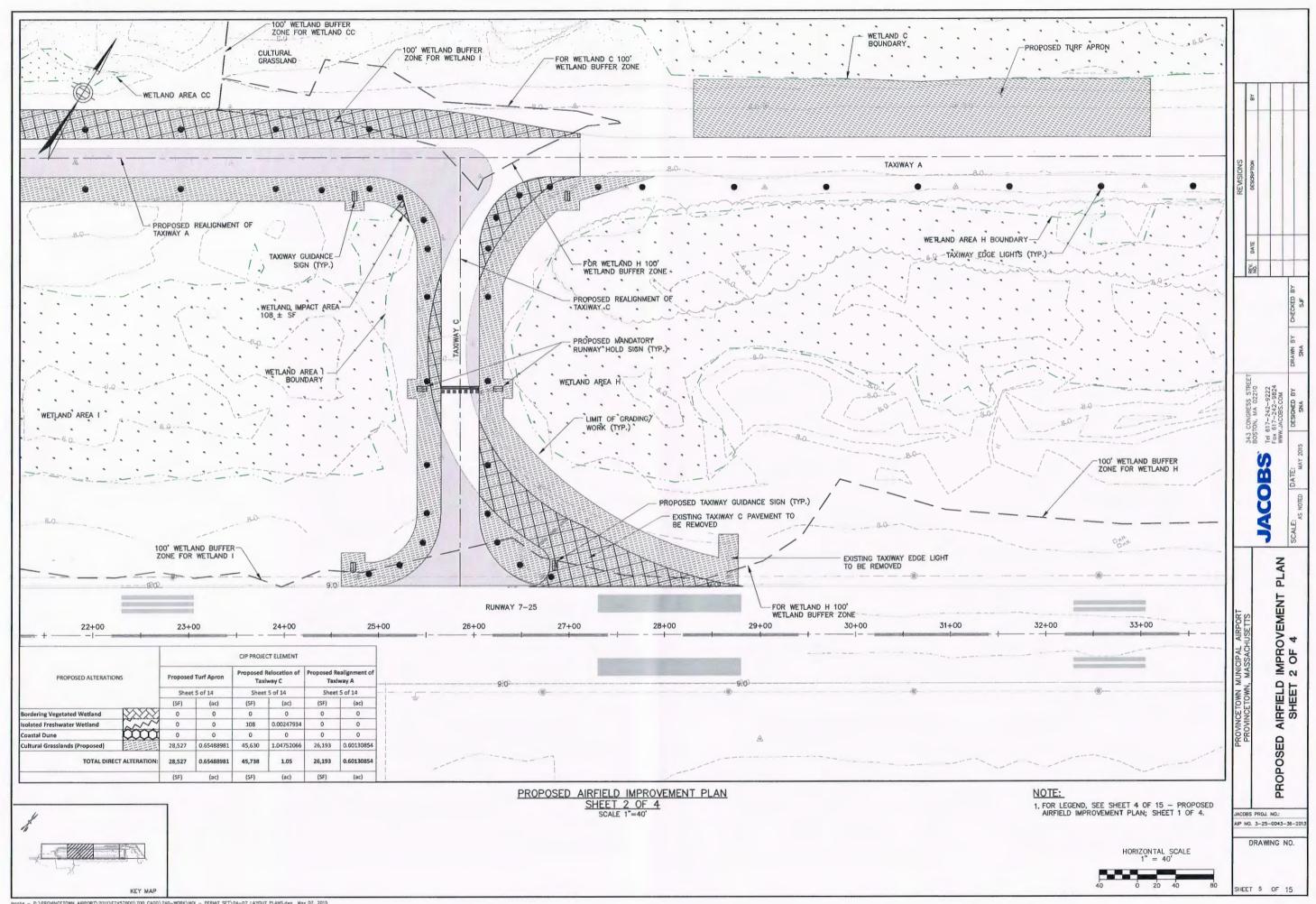
THESE DRAWINGS ARE SIGNED AND SEALED FOR PERMITTING PURPOSES ONLY AND SHALL NOT BE ISSUED OR USED FOR CONSTRUCTION.

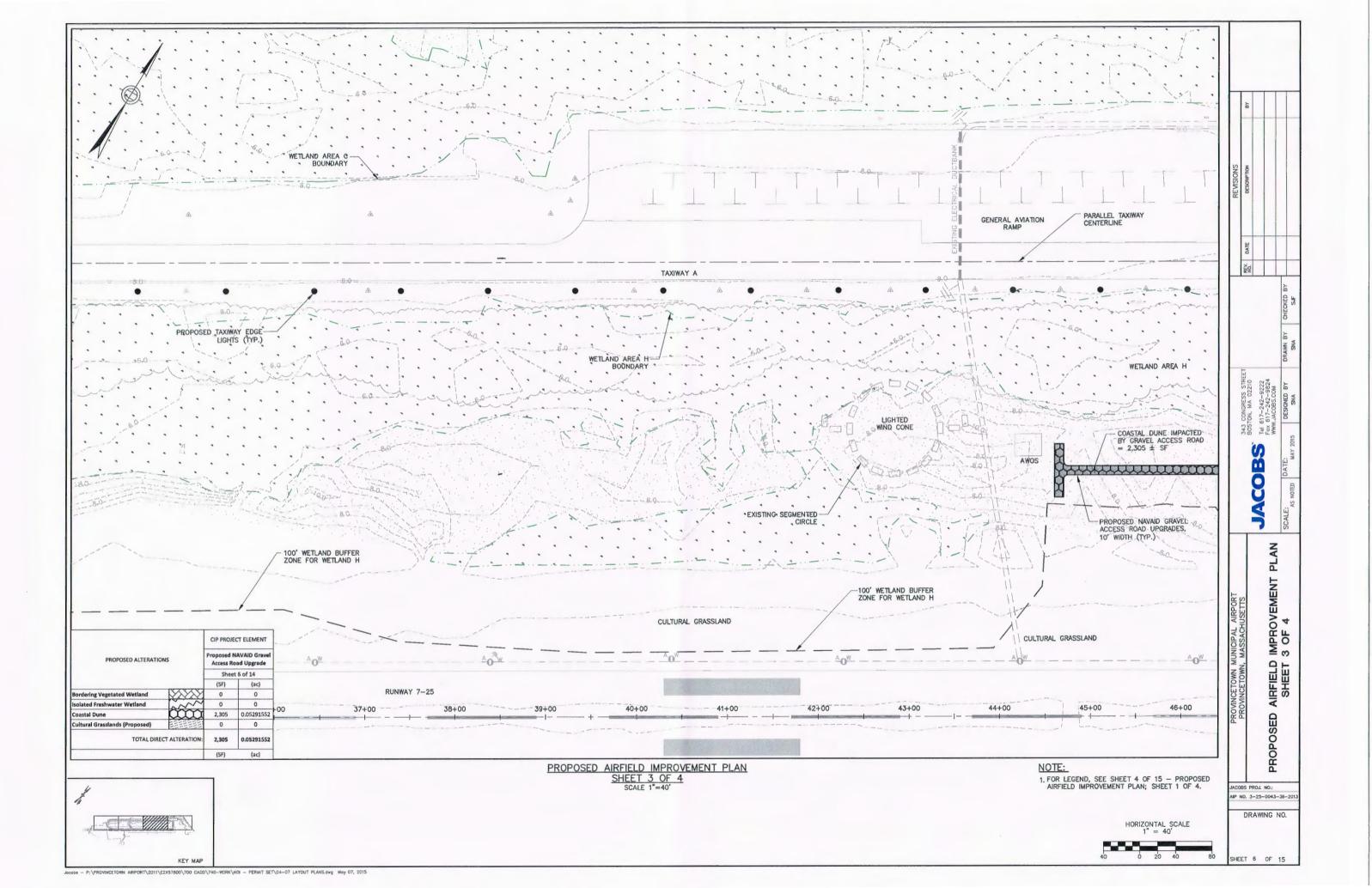
MAY, 2015

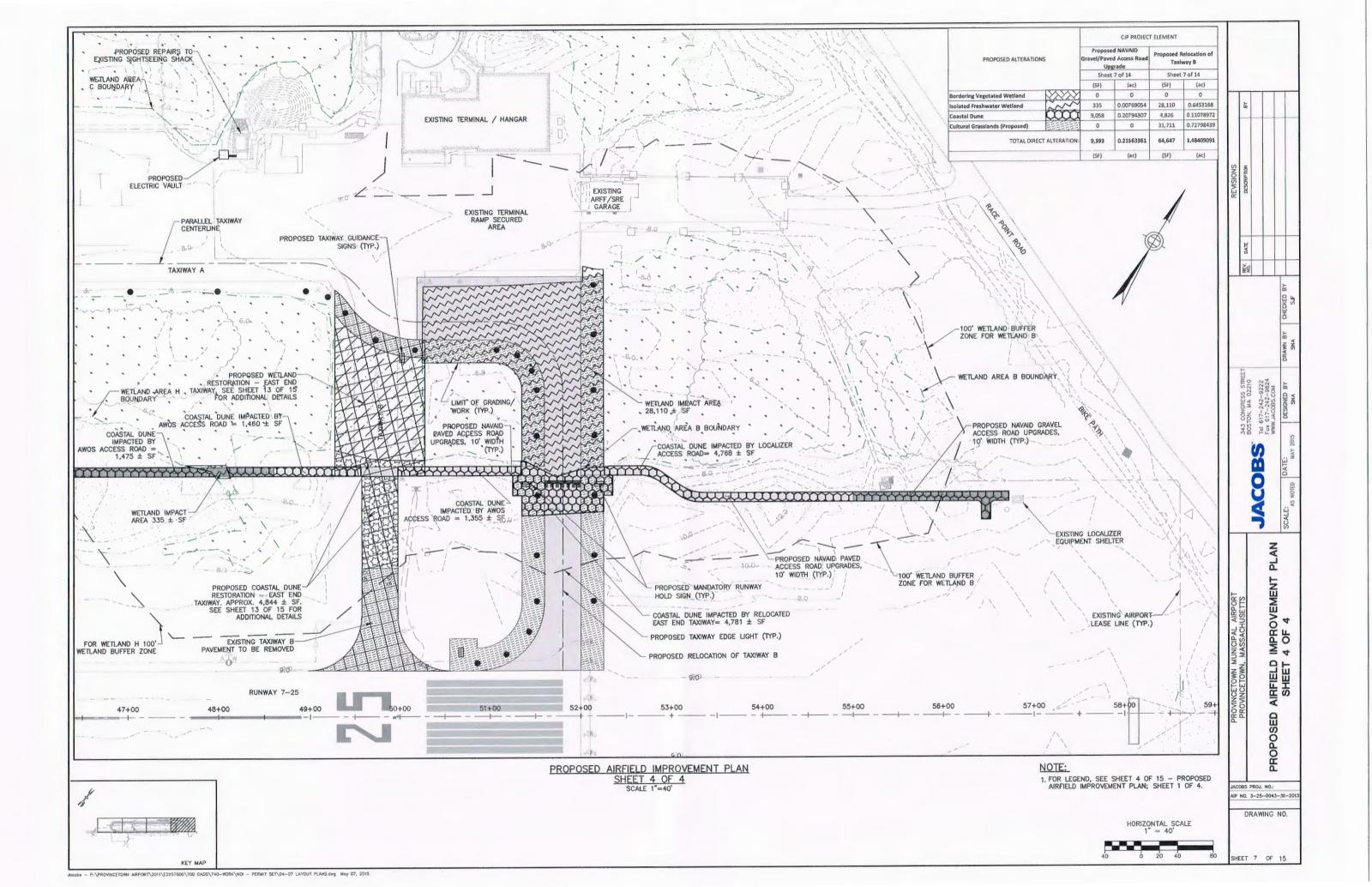


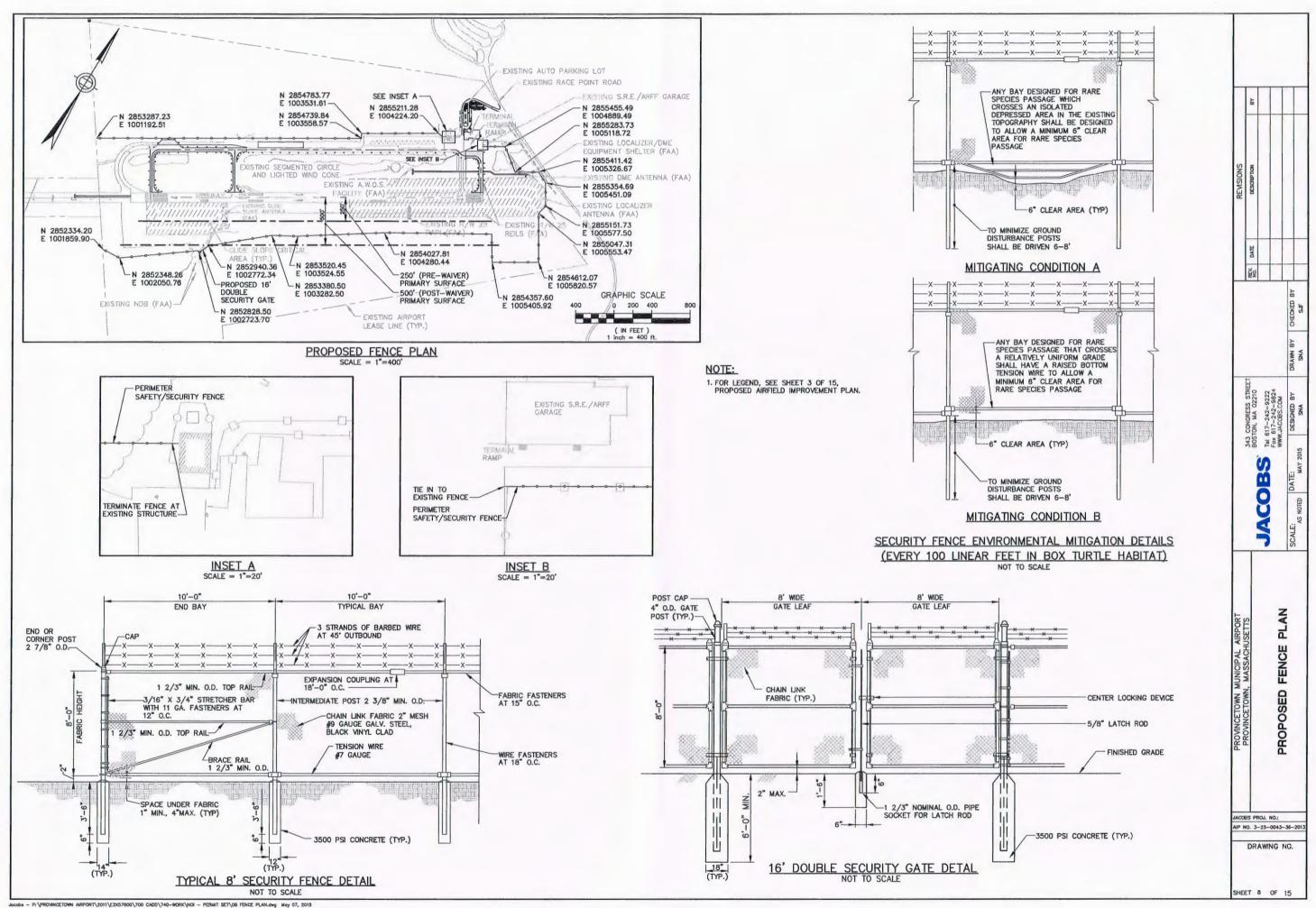




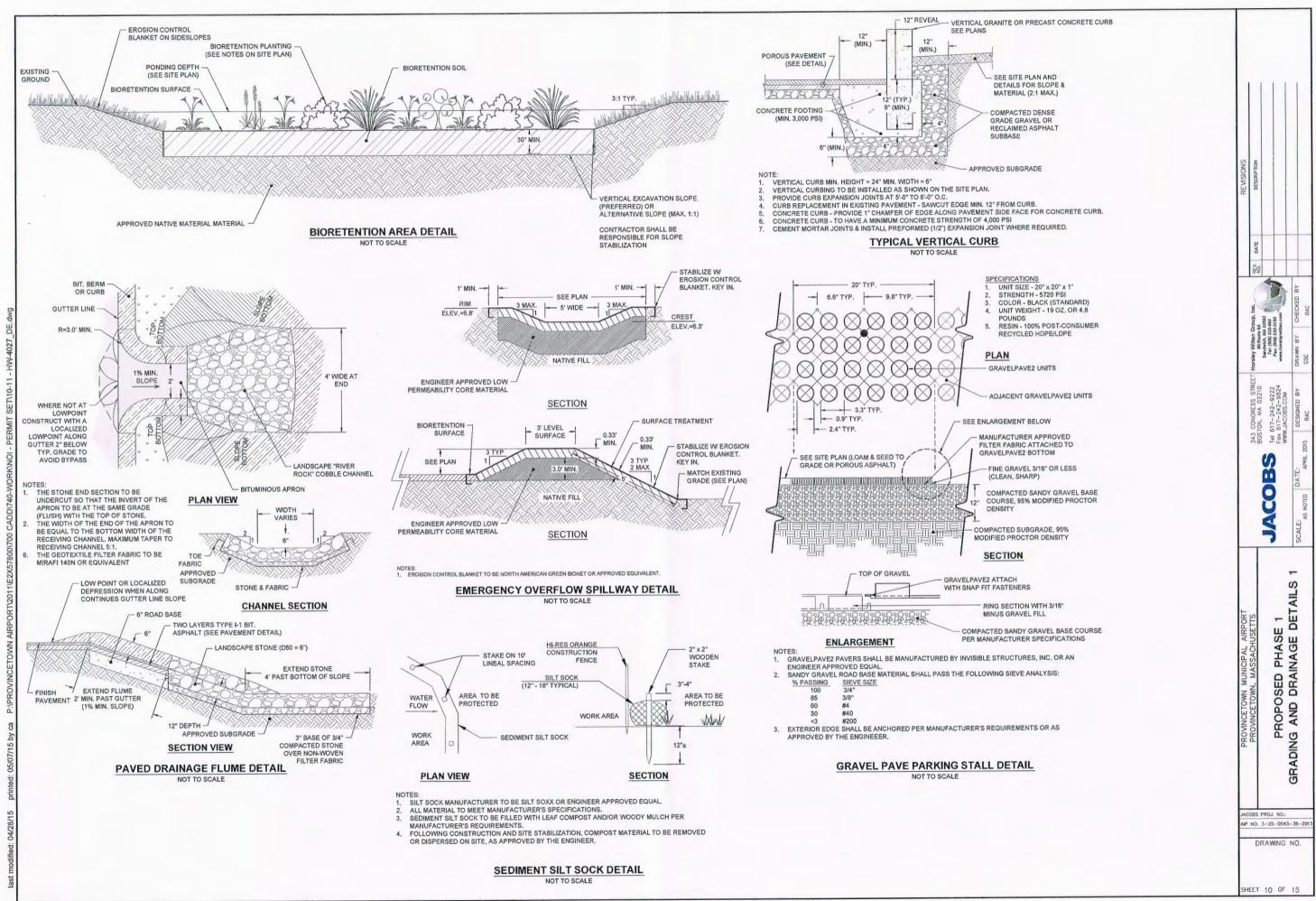


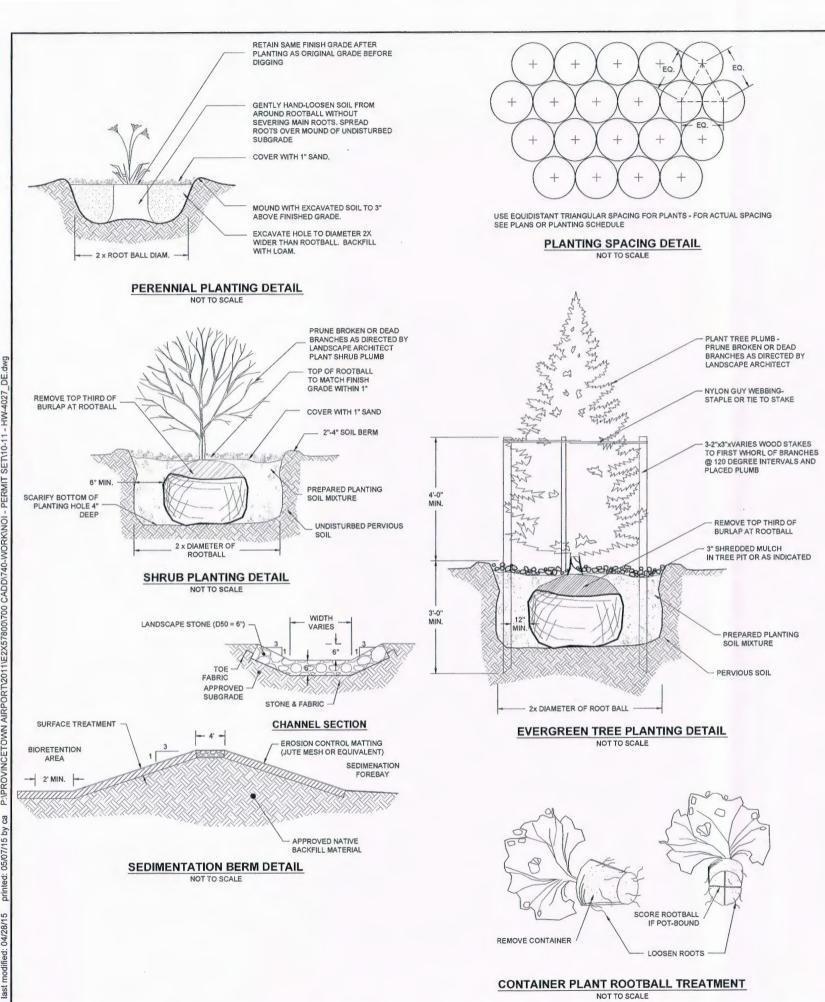


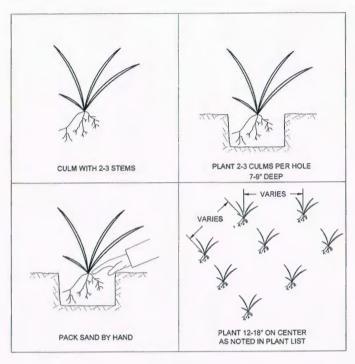






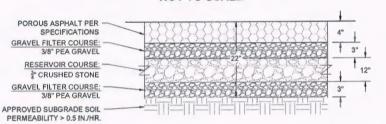






- 1. ONLY PLANT FROM OCTOBER 1 TO APRIL 30 WHICH BEACH GRASS IS DORMANT
 2. STORE CULMS IN MOIST SHADE

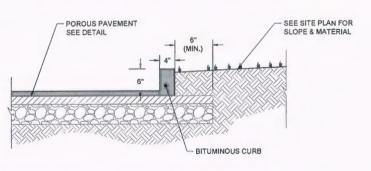
BEACH GRASS PLANTING DETAIL **NOT TO SCALE**



- GENERAL NOTES:

 1. SANDY-LOAM AND/OR LOAMY-SAND TOPSOIL MATERIAL SHALL BE EXCAVATED FROM ALL PAVED AREAS PRIOR TO SUB-BASE INSTALLATION.
- SUB-GRADE (EXISTING MATERIAL) SHALL CONSIST OF INERT MATERIAL THAT IS HARD, DURABLE STONE AND/OR COARSE SAND, FREE FROM LOAM AND CLAY TO A DEPTH NOT LESS THAN 4-FT BELOW THE FINISH
- SUBGRADE FILL SHALL BE COMPACTED TO 95% COMPACTION UNLESS OTHERWISE DIRECTED BY THE
- SEE SITE LAYOUT PLAN FOR PAVEMENT WIDTH AND LOCATION, SEE GRADING PLANS FOR PAVEMENT SLOPE AND CROSS SLOPE.

TYPICAL POROUS ASPHALT CROSS-SECTION



- BERM TO BE CONSTRUCTED OF BITUMINOUS WEARING SURFACE COURSE.
 BERM TO BE CONSTRUCTED INTEGRAL WITH BITUMINOUS WEARING SURFACE
- WHEN BERM IS TO BE CONSTRUCTED ON A FRESH LAID BITUMINOUS SURFACE, THAT SURFACE
- MUST FIRST BE CLEANED. BERM TO BE FOUNDED ENTIRELY ON THE BASE COURSE.
 FINISH GRADE AT THE BACK OF THE BERM IS TO BE BROUGHT TO THE TOP OF THE BACK EDGE OF

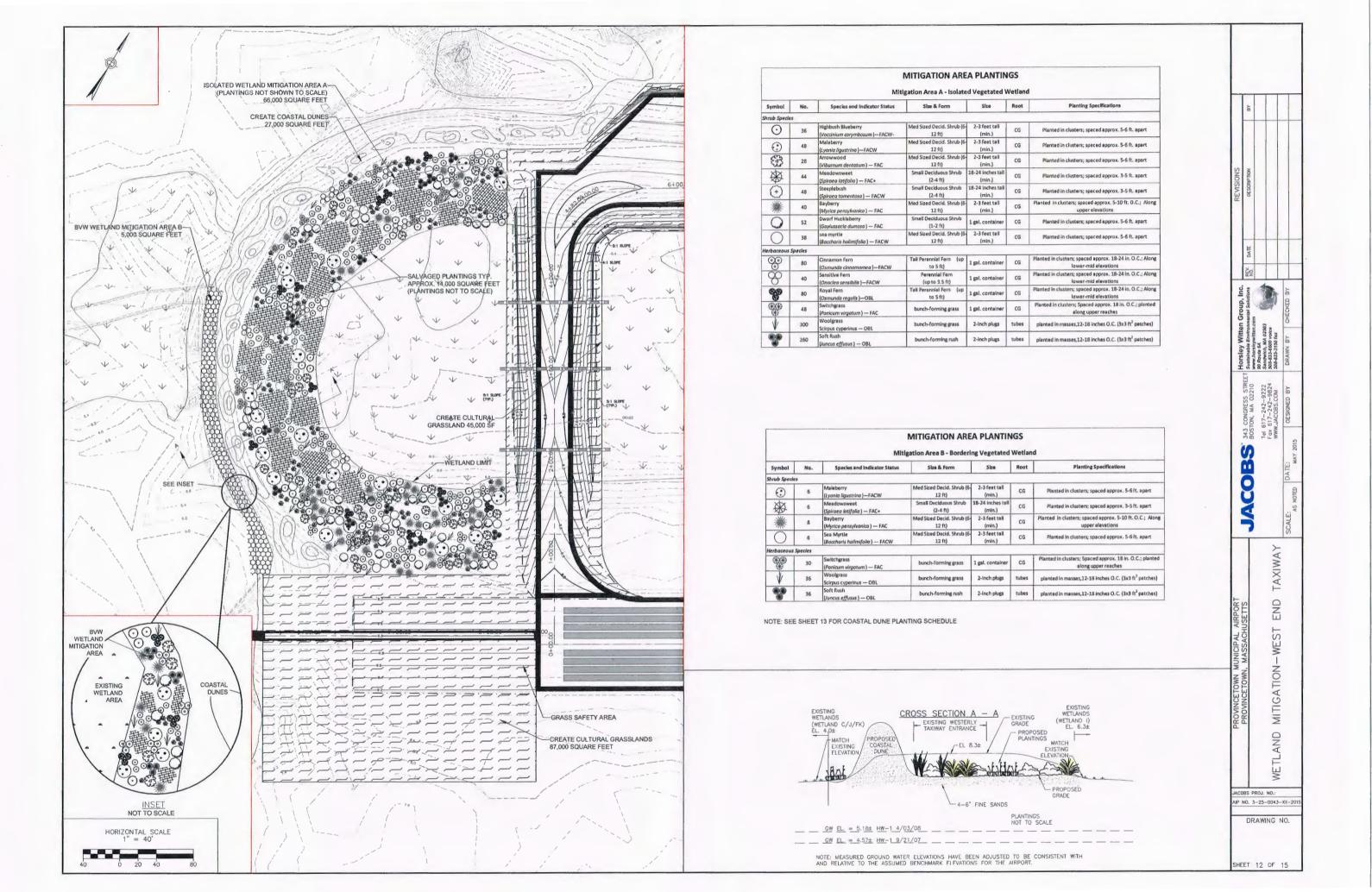
TYPICAL BITUMINOUS CURB DETAIL

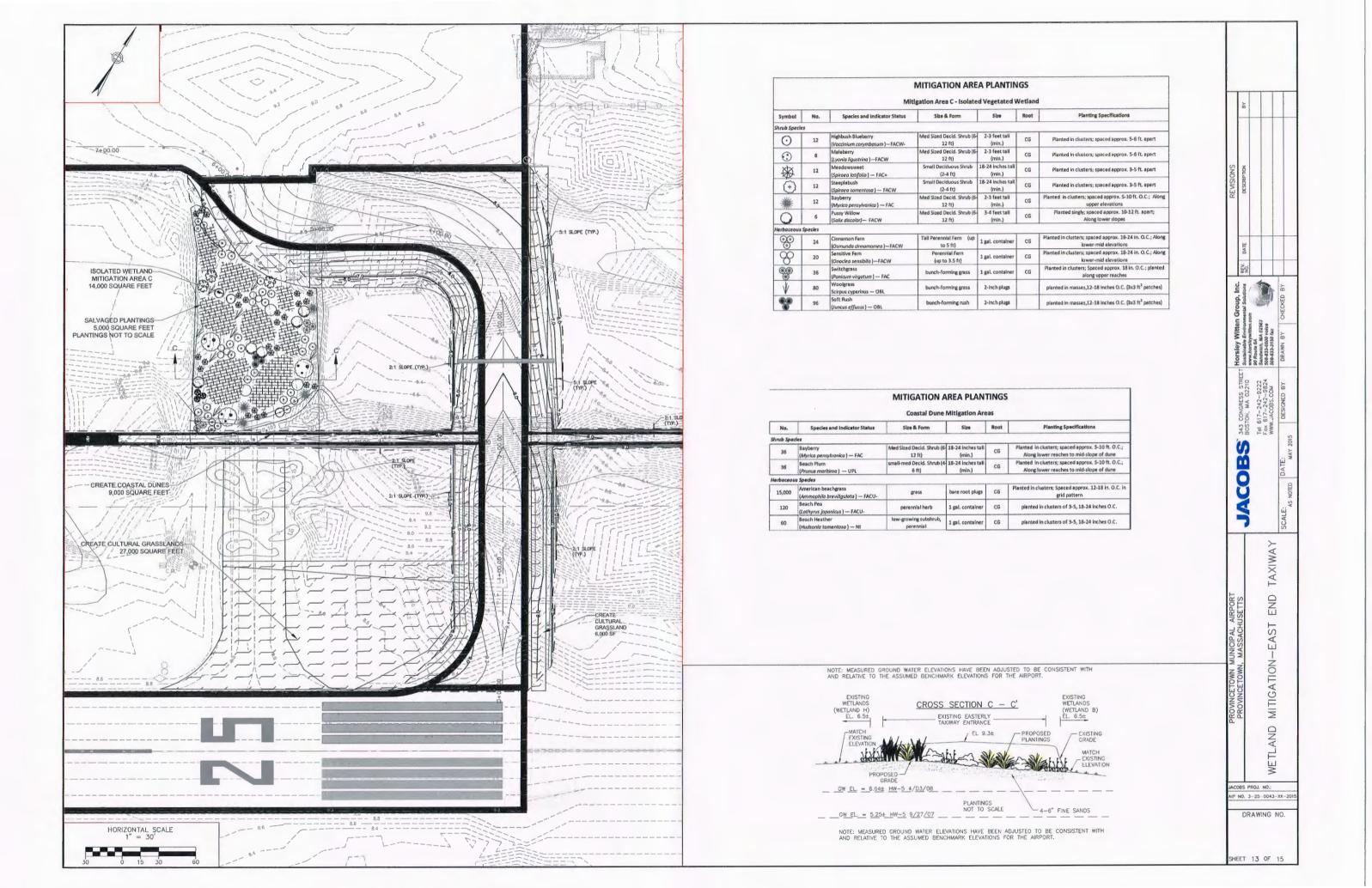
343 CON BOSTON, Tel 617-Fox 617-WWW.JAC 2

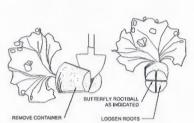
PROPOSED PHASE 1 3 AND DRAINAGE DETAIL GRADING

AIP NO. 3-25-0043-36-DRAWING NO.

SHEET 11 OF 15







CONTAINER PLANT ROOTBALL TREATMENT

LOAM AND SEED DETAIL

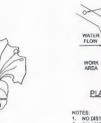
CULM WITH 2-3 STEMS

PACK SAND BY HAND

PLANT 2-3 CULMS PER HOLE

PLANT 12-18" ON CENTER AS NOTED IN PLANT LIST

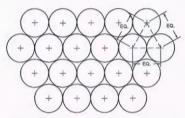
7-9" DEEP - VARIES -

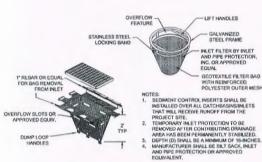


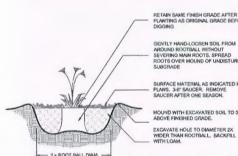
PLAN VIEW

AREA TO BE

TYPICAL SEDIMENT SILT SOCK DETAIL

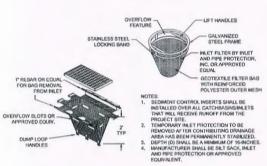




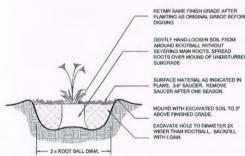


PERENNIAL PLANTING DETAIL

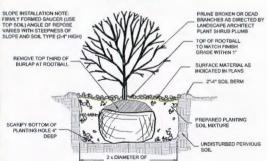
PLANTING SPACING DETAIL



TEMPORARY CATCHBASIN INSERT



NOTES: 1. ONLY PLANT FROM OCTOBER 1 TO APRIL 30 WHICH BEACH GRASS IS DORMANT 2. STORE CULMS IN MOIST SHADE



SHRUB PLANTING DETAIL

GENERAL PLANTING NOTES:

AREA TO SE

SECTION

- 1. THE FOLLOWING NOTES ARE PROVIDED AS GENERAL PLANTING GUIDELINES THE FOLLOWING NOTES ARE PROVIDED AS GENERAL PLANTING GOIDELINES ONLY. THOROUGHLY REVIEW THE PROJECT SPECIFICATIONS FOR ALL LANDSCAPE REQUIREMENTS PRIOR TO THE COMMENCEMENT OF ANY LANDSCAPE WORK. SUBMIT IN WRITING TO THE LANDSCAPE ARCHITECT ANY QUESTIONS OR CLARIFICATIONS REQUIRED AT A MINIMUM OF 30 DAYS PRIOR TO ORDERING ANY MATERIALS OR BEGINNING ANY LANDSCAPE CONSTRUCTION.
- 2. SUBMIT TO THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL ALL REQUIRED LANDSCAPE SUBMITTALS AS DESCRIBED IN THE SPECIFICATIONS. INCLUDING A PLANT LIST WITH PLANT SIZE AND QUANTITIES TO BE ORDERED PRIOR TO DELIVERY TO THE PROJECT SITE.
- FURNISH AND INSTALL ALL PLANTS AS SHOWN ON THE DRAWINGS AND IN THE SIZE AND QUANTITIES SPECIFIED ON THE PLANTING SCHEDULE. PLANT SUBSTITUTION SELECTION MUST BE APPROVED BY BIOLOGIST OR LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- 4. ALL PLANTS TO COMPLY WITH APPLICABLE REQUIREMENTS OF ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK." LATEST EDITION, PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION INC.
- 5. PLANTS TO BE GROWN UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR AT LEAST TWO (2) YEARS, USE HEALTHY NURSERY GROWN PLANTS, FREE OF DISEASE, INSECTS, AND PESTS, EGGS OR LARVAE, AND HAVE A WELL DEVELOPED ROOT SYSTEM.
- INSTALL PLANTS WITHIN ONE (1) WEEK OF PURCHASE. IF PLANTS ARE TO BE STORED AT THE SITE PRIOR TO PLANTING, IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THEY ARE PROPERLY MAINTAINED, WATERED, AND REMAIN HEALTHY.
- PROCEED WITH PLANTING ONLY WHEN EXISTING AND FORECASTED WEATHER CONDITIONS PERMIT, SUBMIT TO THE LANDSCAPE ARCHITECT IN WRITING THE PROPOSED PLANTING SCHEDULE. OBTAIN APPROVAL OF PLANTING SCHEDULE FROM THE LANDSCAPE ARCHITECT PRIOR TO PERFORMING ANY WORK

8. SEASONS FOR PLANTING:

DECIDUOUS: EVERGREEN: PERENNIALS: APRIL 1 TO JUNE 15 APRIL 1 TO JUNE 15 APRIL 15 TO JUNE 1 APRIL 15 TO JUNE 1

FALL:

SEPTEMBER 15 TO NOVEMBER 15 EVERGREEN PERENNIALS: GROUNDCOVERS:

BEACH GRASS CULMS: PLANTS WHILE DORMANT FROM OCTOBER 1ST THROUGH APRIL 30TH

- 9, PLANTING UNDER FROZEN CONDITIONS IN EITHER THE SPRING OR FALL WILL NOT BE PERMITTED. PLANTING BEFORE OR AFTER THE ABOVE REFERENCED PLANTING DATES WILL INCREASE THE LIKELIHOOD OF PLANT OR GRASS SEED ESTABLISHMENT FAILURE. ANY DEVIATION FROM THE ABOVE REFERENCED PLANTING DATES IS UNDERTAKEN AT SOLE RISK OF THE CONTRACTOR AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ANY ADDITIONAL MAINTENANCE AND WATERDISK WINCH MAY BE PET UNDER TO RESIDE. MAINTENANCE AND WATERING WHICH MAY BE REQUIRED TO ENSURE SATISFACTORY PLANT AND SEED ESTABLISHMENT.
- 10. FURNISH ONE YEAR MANUFACTURER WARRANTY FOR TREES, PLANTS, AND FURNISH ONE YEAR MANUFACTURER WARRANTY FOR TREES, PLANTS, AND GROUND COVER AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH, EXCEPT FOR DEFECTS RESULTING FROM LACK OF ADEQUATE MAINTENANCE, NEGLECT, OR ABUSE BY OWNER, OR ABNORMAL WEATHER CONDITIONS UNUSUAL FOR WARRANTY PERIOD. THE DATE OF FINAL ACCEPTANCE OF ALL COMPLETED PLANTING WORK ESTABLISHES THE END OF INSTALLATION AND INITIAL MAINTENANCE PERIOD AND THE COMMENCEMENT OF THE GUARANTEE PERIOD.
- 11. INSPECT ALL AREAS TO BE PLANTED OR SEEDED PRIOR TO STARTING ANY LANDSCAPE WORK, REPORT ANY DEFECTS SUCH AS INCORRECT GRADING, INCORRECT SUBGRADE ELEVATIONS OR DRAINAGE PROBLEMS, ETC., TO THE LANDSCAPE ARCHITECT AND ENGINEER PRIOR TO BEGINNING WORK. COMMENCEMENT OF WORK INDICATES ACCEPTANCE OF SUBGRADE AREAS TO BE PLANTED, AND THE LANDSCAPE CONTRACTOR ASSUMES RESPONSIBILITY FOR
- 12. PROVIDE PROPER PREPARATION OF ALL PROPOSED PLANTED AREAS PER THE NOTES AND SPECIFICATIONS.
- 13. ALL PLANT LAYOUT AND ACTUAL PLANTING LOCATIONS ARE TO BE FIELD VERIFIED BY LANDSCAPE ARCHITECT PRIOR TO PLANTING, NOTIFY THE LANDSCAPE ARCHITECT AT A MINIMUM OF 48 HOURS IN ADVANCE PRIOR TO SCHEDULING ANY FIELD INSPECTIONS.
- 14. POTTED PLANTS: REMOVE THE PLANT FROM THE POT AND LOOSEN OR SCORE THE ROOTS BEFORE PLANTING TO PROMOTE OUTWARDS ROOT GROWTH INTO THE SOIL.
- 15. PLUGS: PLANT UPRIGHT AND NOT AT AN ANGLE. DIG PLANTING HOLES LARGE ENOUGH AND DEEP ENOUGH TO ACCOMMODATE THE ENTIRE ROOT MASS. PLANT PLUGS WITH NO TWISTED OR BALLED ROOTS AND WITH NO ROOTS EXPOSED ABOVE THE GRADE LINE. HAND PACK THE SOIL AROUND THE ENTIRE PLUG ROOT
- 16. DIG THE THE PLANTING HOLE TO THE SAME DEPTH AS THE ROOT BALL AND TWO DIG THE THE PLANTING HOLE TO THE SAME DEPTH AS THE ROOT BALL AND TWO TO THREE THIMES WIDER. SCORE ALL SIDES OF THE HOLE, PLACE THE PLANT IN THE HOLE SO THE TOP OF ROOT BALL IS EVEN WITH SOIL SURFACE. FILL THE HOLE HALFWAY AND THEN ADD WATER ALLOWING IT TO SEEP INTO BACK FILLED MATERIAL. BE SURE TO REMOVE ALL AIR POCKETS FROM BACK FILLED SOIL. DO NOT SPREAD SOIL ON TOP THE ROOTBALL IF SOIL IS EXTREMELY POOR, REPLACE BACK FILL WITH GOOD QUALITY TOP SOIL. AMEND THE SOIL, AS NECESSARY.
- 17. CREATE A 2" TO 4" BERM AROUND THE EDGE OF PLANTING HOLE WITH REMAINING
- 18. REMOVE ALL PLANT TAGS AND FLAGS. FROM THE PLANTS.

GENERAL SEEDING NOTES:

- SEND A REPRESENTATIVE SAMPLE OF THE TOPSOIL TO A TESTING LABORATORY FOR STANDARD SOIL AWALYSIS AS DESCRIBED IN THE SPECIFICATIONS, SUBMIT TO THE LANDSCAPE ARCHITECT AND ENGINEER TEST RESULTS WITH RECOMMENDED SOIL TREATMENTS TO PROMOTE PLANT AND GRASS GROWTH. CORRECT DEFICIENCIES IN THE LOAM AND STOCKPILED TOPSOIL AS DIRECTED BY THE TESTING AGENCY.
- ALL AREAS THAT ARE DISTURBED AND/OR GRADED DURING CONSTRUCTION ARE
 TO BE BROUGHT TO FINISHED GRADE WITH AT LEAST 6" MINIMUM DEPTH OF GOOD
 QUALITY, LOAM AND SECEDED WITH A QUICK GERMINATING GRASS SEED SUCH AS
 NEW ENGLAND EROSION CONTROL RESTORATION MIX OR AS SPECIFIED ON THE
- PRIOR TO THE PLACEMENT OF TOP SOIL, LOOSEN THE SUBGRADE OF ALL PROPOSED SEEDED AREAS TO A DEPTH OF 6" AND RAKE TO REMOVE STONES LARGER THAN 1 INCH, STICKS, ROOTS, RUBBISH AND OTHER EXTRANEOUS MATTER AND LEGALLY DISPOSE TO AN OFF SITE LOCATION.
- 4. DO NOT SPREAD TOPSOIL IF THE SUBGRADE IS FROZEN, EXCESSIVELY WET. COMPACTED OR NOT PROPERLY PREPARED PER THE NOTES AND SPECIFICATIONS.

WATERING NOTES:

- 1 PROVIDE PROPER PLANT CARE, MAINTENANCE AND WATERING ON SITE UNTIL PROVIDE PROPER POINT CARE, MUNITERINATE AND WASHING OF THE DIVIDE SUCH TIME AS THE LANDSCAPING IS ACCEPTED BY THE PROPERTY OWNER AS SATISFACTORY PER THE SPECIFICATIONS OR AS DETERMINED BY ANY WRITTEN AGREEMENTS BETWEEN THE CONTRACTOR AND PROPERTY OWNER.
- ESTABLISH AN APPROPRIATE WATERING SCHEDULE FOR ALL PLANT MATERIAL BASED UPON PLANT SPECIES REQUIREMENTS AND PROVIDE IN WRITING TO THE LANDSCAPE ARCHITECT AND OWNER FOR REVIEW AND APPROVAL, ADHERE TO THE APPROVED SCHEDULE UNTIL PLANTS ARE FULLY ESTABLISHED.

Hor Susta 90 Rc Sand 508-8

GRESS STRE MA 02210 9222 9824 DM 343 CONG BOSTON, Tel 617—; Fox 617— WWW.JACC

ō ŭ

DE V ARE, NOIL TIGAT

COBS PROJ. NO.: IP NO. 3-25-0043-X

DRAWING NO.

SHEET 14 OF 15

