



PUBLIC NOTICE

Comment Period Begins: October 22, 2024

Comment Period Ends: November 22, 2024

File Number: NAE-2021-0584

In Reply Refer to: Paul Sneeringer, Regulatory Division

Phone: (978) 318-8491

Email: paul.j.sneeringer@usace.army.mil

The District Engineer, U.S. Army Corps of Engineers, New England District (USACE), has received a permit application, file number **NAE-2021-0584**, to conduct work in waters of the United States from Brad Washburn, Massachusetts Port Authority (Massport), One Harborside Drive, Suite 200S, East Boston, Massachusetts 02128. This work is proposed in Boston Harbor at Logan International Airport, One Harborside Drive, East Boston, Massachusetts. The site coordinates are: Latitude [42.360392 N](#) Longitude [-70.986861 E](#).

Massport proposes to work and to install structures, as well as to discharge dredged and/or fill material into approximately **3.5** acres of Waters of the United States, associated with Boston Harbor as part of the Logan International Airport – Runway 9/27 – Runway Safety Area Project. The purpose for this project is to meet the Federal Aviation Administration (FAA) current airport safety design requirements. This project includes installing a 450-foot long by 306-foot wide pile-supported runway extension with an Engineered Materials Arresting System (EMAS) bed installed on the deck, constructing a nearshore retaining wall and two emergency access ramps, and replacing one stormwater drainage outfall. Approximately 326 twenty-inch concrete piles will be installed to support the runway extension deck. The maximum extent of this project is approximately **450** feet channelward of the proposed nearshore retaining wall. The total proposed Section 404 discharges for this project include approximately **21,970** square feet (**0.50** acres) of waters of the United States.

The work is shown on the enclosed plans titled “MASSACHUSETTS PORT AUTHORITY, RUNWAY 9-27 SAFETY AREA IMPROVEMENTS, LOGAN INTERNATIONAL AIRPORT, EAST BOSTON, MASSACHUSETTS,” on twelve sheets, and dated “JUNE 2024.”

The Logan International Airport – Runway 9/27 – Runway Safety Area Project has been designed to avoid and minimize adverse effects to waters of the United States. Massport has attempted to limit the scope of the proposed jurisdictional impacts to the minimum necessary to meet the project goals. This project includes the permanent loss of waters of the United States. The Corps is considering various options to compensate for these unavoidable permanent impacts to waters of the United States.

AUTHORITY

Permits are required pursuant to:

XX Section 10 of the Rivers and Harbors Act of 1899

XX Section 404 of the Clean Water Act

Section 103 of the Marine Protection, Research and Sanctuaries Act.

Section 14 of the Rivers and Harbors Act of 1899 (33 USC 408)

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 USACE 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. The USACE will consider all comments received 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.

The activities proposed herein may also require permission from the USACE pursuant to 33 U.S.C. 408 if it will alter or temporarily or permanently occupy or use a USACE federally authorized Civil Works project known as Wintrop Harbor Federal Navigation Project (FNP). **The proposed Runway 9/27 – Runway Safety Areas is be proposed near the mouth of the Winthrop Harbor FNP.** A permit pursuant to Section 10/404/103 shall not be granted until the Section 408 permission is issued. Through this public notice, we are soliciting information necessary to inform the USACE evaluation and review.

ESSENTIAL FISH HABITAT

The Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), requires all federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency, that may adversely affect Essential Fish Habitat (EFH). Essential Fish Habitat describes waters and substrate necessary for fish for spawning, breeding, feeding or growth to maturity.

This project will impact 3 to 4 acres of EFH. This habitat consists of intertidal shoreline (including mudflats) and subtidal shoreline areas. Loss of this habitat may adversely affect species that use these waters and substrate. However, the District Engineer has made a preliminary determination that the site-specific adverse effect will not be substantial. Further consultation with the National Marine Fisheries Service regarding EFH conservation recommendations is being conducted and will be concluded prior to the final decision.

NATIONAL HISTORIC PRESERVATION ACT

Based on our initial review, the proposed project would affect historic properties. 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 USACE has reviewed the application for the potential impact on federally-listed threatened or endangered species and their designated critical habitat pursuant to section 7 of the Endangered Species Act (ESA) as amended. 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 a listed species or their critical habitat. We are coordinating with the National Marine Fisheries Service and/or U.S. Fish and Wildlife Service on listed species under their jurisdiction and the ESA consultation will be concluded prior to the final decision.

OTHER GOVERNMENT AUTHORIZATIONS

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 consistency statement.

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

- (XX) Permit, license, or assent from State.
- (XX) Permit from local wetland agency or conservation commission.
- (XX) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

COMMENTS

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

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interest of the proposed activity. People submitting comments are advised that all comments received will be available for public review in their entirety and will be considered a matter of public record.

Comments should be submitted in writing by the above date. If you have any questions, please contact **Paul Sneeringer**, Regulatory Division, at paul.j.sneeringer@usae.army.mil, (978) 318-8491, (800) 343-4789 or (800) 362-4367.

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 USACE 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 considering facts submitted in response to this notice. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly to reach an understanding.

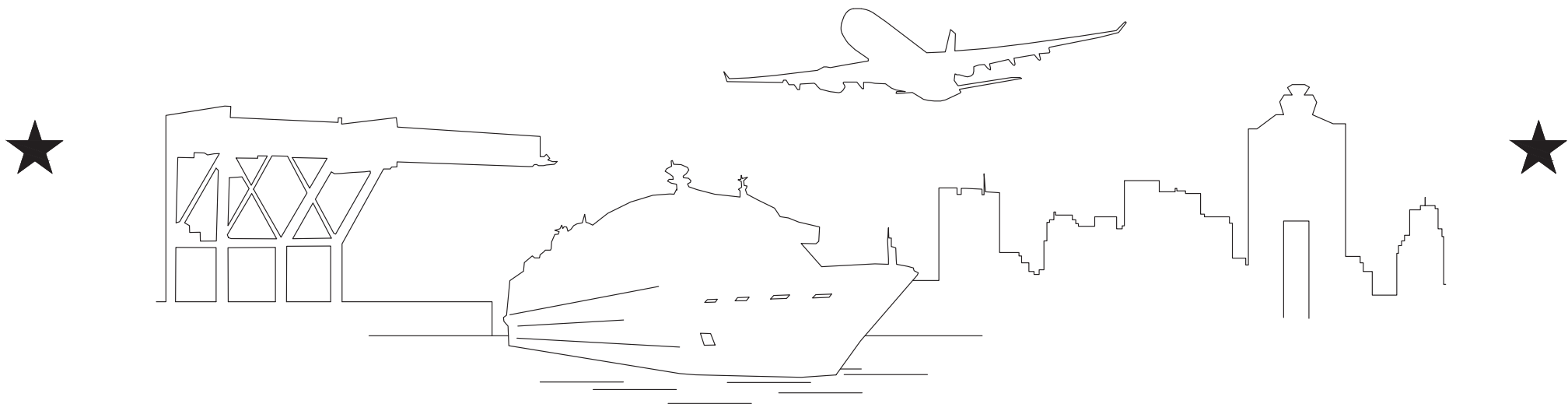
THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.

Paul Maniccia

Paul Maniccia
Chief, Massachusetts Section
Regulatory Division

Please contact Ms. Tina Chaisson at bettina.m.chaisson@usace.army.mil or (978) 318-8058 if you would like to be removed from our public notice mailing list.

MASSACHUSETTS PORT AUTHORITY



MASSACHUSETTS PORT AUTHORITY
APPROVAL

CAPITAL PROGRAMS DEPARTMENT
ONE HARBORSIDE DRIVE, SUITE 209S
EAST BOSTON, MASSACHUSETTS 02128



WSP USA
100 SUMMER STREET
13TH FLOOR
BOSTON, MA 02110
617.426.7330
www.WSP.com

RUNWAY 9-27 SAFETY AREA IMPROVEMENTS LOGAN INTERNATIONAL AIRPORT EAST BOSTON, MASSACHUSETTS MPA PROJECT No. L1633 JUNE 2024 401/404 DRAWINGS

CAPITAL PROGRAMS AND ENVIRONMENTAL AFFAIRS
PROJECT MANAGER SIGNATURE

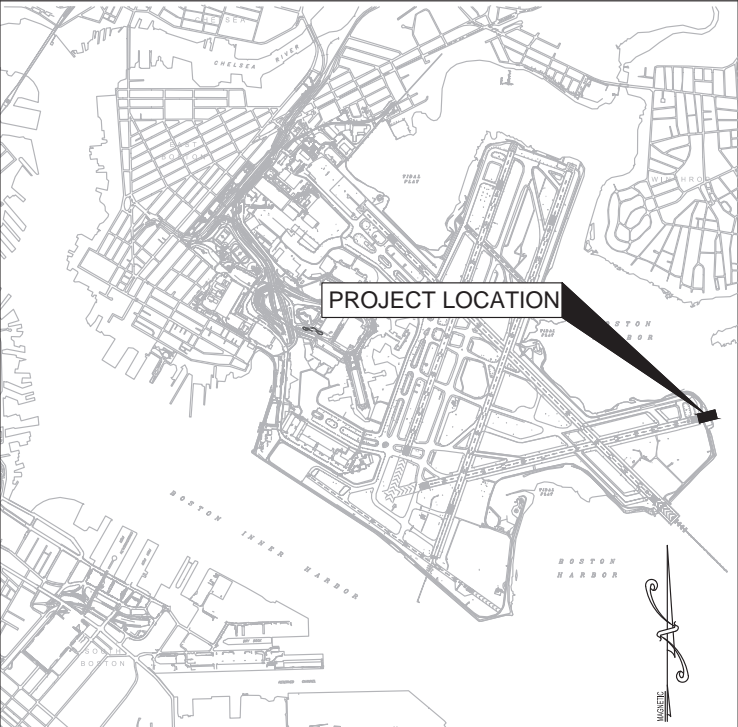
DATE

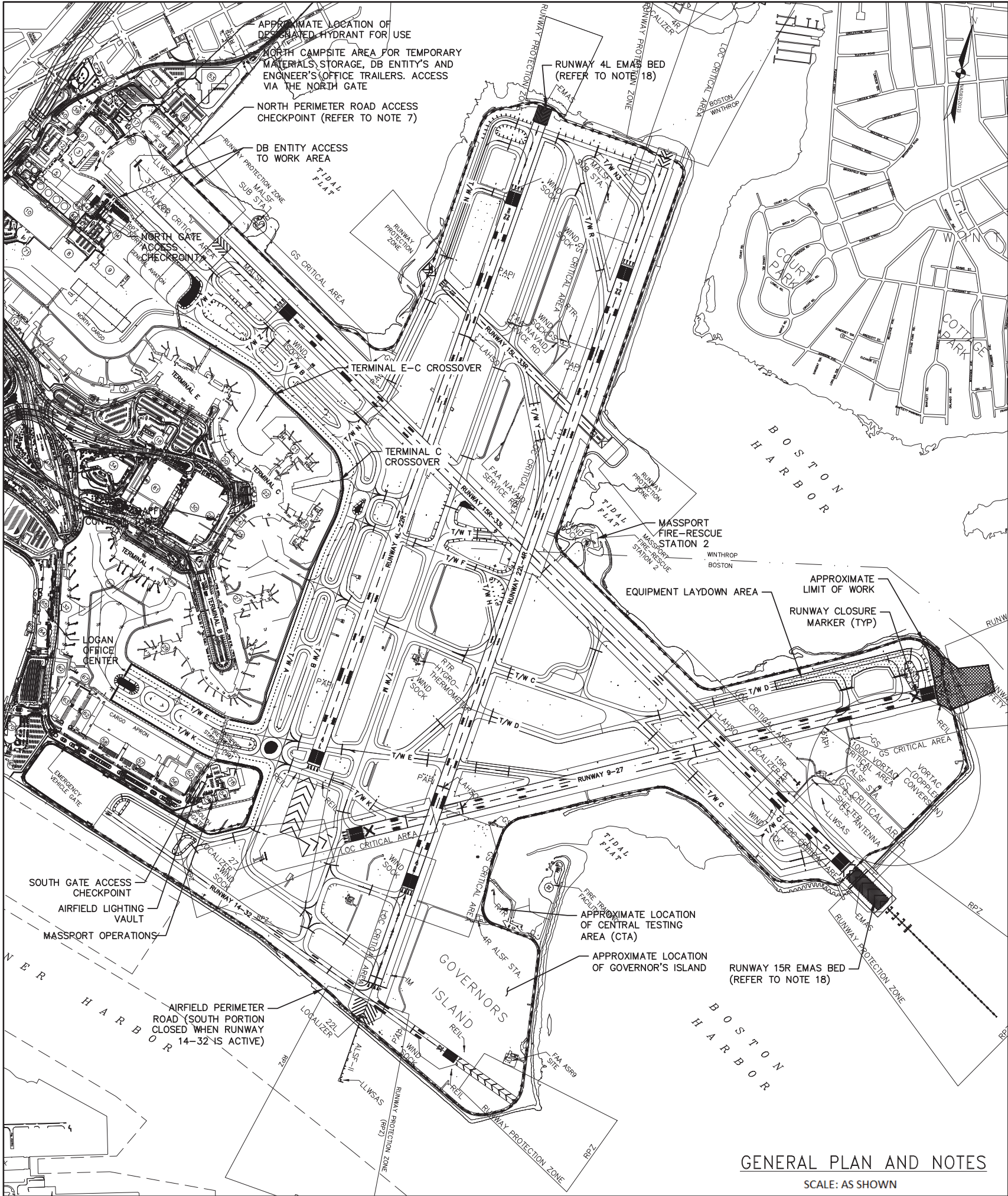


STAMPS

LIST OF DRAWINGS:

SHEET:	1	OF	14	-	T001	-	TITLE SHEET
SHEET:	2	OF	14	-	G100	-	GENERAL PLAN AND NOTES
SHEET:	3	OF	14	-	G110	-	OVERALL SITE PLAN
SHEET:	4	OF	14	-	E100	-	EXISTING CONDITIONS PLAN WITH FEDERAL RESOURCE AREAS/BOUNDARIES
SHEET:	5	OF	14	-	E101	-	EXISTING CONDITIONS PLAN WITH STATE RESOURCE AREAS
SHEET:	6	OF	14	-	E102	-	PROPOSED CONDITIONS WITH FEDERAL RESOURCE AREAS/BOUNDARIES
SHEET:	7	OF	14	-	E103	-	PROPOSED CONDITIONS WITH STATE RESOURCE AREAS
SHEET:	8	OF	14	-	C100	-	EXISTING CONDITIONS PLAN
SHEET:	9	OF	14	-	C101	-	CONCEPTUAL GRADING, DRAINAGE AND UTILITIES PLAN
SHEET:	10	OF	14	-	C330	-	TYPICAL EGRESS/ACCESS RAMP SECTIONS
SHEET:	11	OF	14	-	S100	-	GENERAL PLAN AND ELEVATION
SHEET:	12	OF	14	-	S110	-	PILE AND PILE CAP LAYOUT
SHEET:	13	OF	14	-	S310	-	TYPICAL SECTION
SHEET:	14	OF	14	-	S400	-	BULKHEAD PLAN AND SECTION





GENERAL NOTES:

- SUMMARY OF MAJOR WORK ITEMS:
 - RUNWAY SAFETY AREA IMPROVEMENTS
 - CONCRETE SUPERSTRUCTURE FOR EMAS INSTALLATION
 - EMAS INSTALLATION
 - HOT MIX ASPHALT PAVING
 - DRAINAGE INSTALLATION
 - UTILITY STRUCTURE ADJUSTMENTS
 - PAVEMENT MARKINGS AND PAVEMENT MARKING REMOVAL
 - EMERGENCY EGRESS RAMP INSTALLATION
- STORMWATER POLLUTION PREVENTION (SWPPP) AND EROSION CONTROLS ARE TO BE INSTALLED IN ALL AREAS WITHIN THE LIMIT OF WORK, STAGING AREA, CENTRAL TESTING AREA, GOVERNOR'S ISLAND, AND NORTH CAMPSITE AREA AS APPLICABLE, IN ACCORDANCE WITH THE PROJECT SPECIFIC SWPPP PLAN AND AS DIRECTED BY THE ENGINEER. REFER TO DRAWING C101 FOR ADDITIONAL INFORMATION RELATING TO EROSION CONTROL.
- THE DESIGN BUILD (DB) ENTITY IS SPECIFICALLY CAUTIONED THAT LOCATIONS AND/OR ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON RECORD DRAWINGS AND WERE FIELD SURVEYED FOR CONFIRMATION WHERE POSSIBLE. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING COMPLETE OR EXACT AND THE DB ENTITY SHALL FIELD VERIFY ALL INFORMATION PRIOR TO COMMENCEMENT OF THE WORK. THE DB ENTITY SHALL IMMEDIATELY NOTIFY MASSPORT (MPA) IN WRITING OF ANY DISCREPANCY DISCOVERED DURING FIELD VERIFICATION, AND SURVEYED LOCATIONS OF THESE DISCOVERIES SHALL BE REPRESENTED IN AN AUTOCAD FILE TO BE DELIVERED TO MASSPORT SURVEY AND INCLUDED IN AS-BUILT DRAWINGS.
- THE DB ENTITY IS ADVISED THAT HIS/HER VEHICLES, SUBCONTRACTOR'S VEHICLES AND SUPPLIER'S VEHICLES ARE RESTRICTED FROM USING ANY CITY OF BOSTON STREETS (INCLUDING BUT NOT LIMITED TO NEPTUNE ROAD, MAVERICK STREET AND PORTER STREET) FOR LOCAL TRAVEL TO AND FROM THE AIRPORT. THIS REGULATION WILL BE STRICTLY ENFORCED AND THE DB ENTITY SHALL NOTIFY ALL PERSONNEL AND SUBCONTRACTORS.
- MATERIAL DELIVERIES AND DB ENTITY'S ACCESS TO THE PROJECT AREA SHALL BE AS FOLLOWS:
 - ALL PHASES SHALL BE ACCESSED THROUGH THE NORTH GATE ACCESS CHECKPOINT. ALL PERSONNEL, EQUIPMENT AND MATERIALS REQUIRED TO COMPLETE THESE PHASES WILL ACCESS THE AIRFIELD THROUGH THIS GATE. THE SOUTH GATE SHALL BE CONSIDERED AS AN ALTERNATE ACCESS ONLY WITH PRIOR MASSPORT APPROVAL.
 - ACCESS ROUTES ARE SUBJECT TO CHANGE AT ANY TIME BASED ON PREVAILING WINDS AND RUNWAY CONFIGURATION IN USE. ACCESS ROUTES ARE DESIGNATED BY MASSPORT OPERATIONS TO AVOID CROSSING OF ACTIVE RUNWAYS AND TO MINIMIZE CROSSING OF ACTIVE TAXIWAYS. USE OF ALTERNATE ACCESS ROUTE(S) SHALL NOT BE CONSIDERED A VALID REASON FOR ANY CLAIM FOR EXTRA TIME OR COMPENSATION.
 - DB ENTITY SHALL TAKE PRECAUTIONS TO PROTECT EXISTING AIRFIELD LIGHTING & SIGNAGE SYSTEMS FROM DAMAGE WHEN PERSONNEL AND EQUIPMENT ACCESS (TO/FROM) THE WORK AREAS. ANY DAMAGE TO ANY EXISTING LIGHTING OR SIGNAGE CAUSED BY THE DB ENTITY'S PERSONNEL AND EQUIPMENT SHALL BE IMMEDIATELY REPAIRED BY THE DB ENTITY AT NO COST TO THE AUTHORITY.
- NO TRENCH SHALL BE BACKFILLED UNTIL ALL EXPOSED UTILITIES ARE RECORDED BY ELECTRONIC SURVEY EQUIPMENT AND INSPECTED AND VERIFIED BY MASSPORT CAPITAL PROGRAMS.
- CLASS II (RED/YELLOW BADGE) OR CLASS III (RED BADGE) ESCORT REQUIRED BEYOND THE NORTH PERIMETER ROAD ACCESS PORTAL AND BEYOND THE AMELIA EARHART TERMINAL ONLY ALLOWED WITH PRIOR PERMISSION OBTAINED FROM MPA OPERATIONS.
- THE SOUTH PERIMETER ROAD IS CLOSED WHEN RUNWAY 14-32 IS OPEN AND ACTIVE. NO VEHICLE ACCESS WILL BE PERMITTED BETWEEN THE AMELIA EARHART TERMINAL AND GOVERNOR'S ISLAND. WHEN RUNWAY 14-32 IS IN USE THE ALTERNATE ACCESS ROUTE SHALL BE UTILIZED. USE OF ALTERNATE ACCESS ROUTE(S) SHALL NOT BE CONSIDERED A VALID REASON FOR ANY CLAIM FOR EXTRA TIME OR COMPENSATION.
- CONSTRUCTION SIGNS THAT DIRECT CONSTRUCTION TRAFFIC SHALL BE LOCATED AT THE WORK AREA ACCESS/EGRESS POINTS. THERE SHALL BE NO SEPARATE PAYMENT FOR PROVIDING, MAINTAINING, RELOCATING AND REMOVING THESE SIGNS. REFER TO G100 SERIES FOR ANTICIPATED SIGN PLACEMENT LOCATION AND DETAILS.
- THE DB ENTITY'S ACCESS/EGRESS HAUL ROUTES, WORK AREAS, INCLUDING BUT NOT LIMITED TO THE AIRPORT PERIMETER ROAD, DESIGNATED HAUL ROUTES BY MPA, PUBLIC ROADWAYS, VEHICLE ACCESS ROADS, PARKING LOTS, AIRCRAFT APRONS, TAXIWAYS AND SHOULDERS, RUNWAYS AND OTHER AREAS DETERMINED BY MPA AND/OR THE RPR, SHALL BE MAINTAINED FREE OF FOREIGN OBJECTS AND DEBRIS (FOD) AT ALL TIMES.
- ALL WORK WHICH IS WITHIN 250 FEET OF A RUNWAY CENTERLINE SHALL REQUIRE A RUNWAY CLOSURE. ALL WORK WHICH IS WITHIN 125' FEET OF A TAXIWAY CENTERLINE SHALL REQUIRE A TAXIWAY CLOSURE. ALL WORK WITHIN 160' OF A TAXIWAY CENTERLINE SHALL REQUIRE A TAXIWAY "WORK IN PROGRESS". ALL RUNWAY AND TAXIWAY CLOSURES SHALL BE COORDINATED IN WRITING WITH THE MASSACHUSETTS PORT AUTHORITY (MPA) OPERATIONS CONSTRUCTION COORDINATOR THROUGH THE RPR A MINIMUM OF 48 HOURS IN ADVANCE.
- ALL REQUIRED "WORK IN PROGRESS" OR CLOSURES SHALL BE SUBJECT TO WIND/WEATHER AVAILABILITY AND A RECALL TIME AS APPROVED BY MPA OPERATIONS. AND THE RPR. SCHEDULING OF ALL WORK WITHIN THE AIRFIELD OPERATIONS AREA (AOA) SHALL BE COORDINATED IN WRITING WITH MPA OPERATIONS CONSTRUCTION COORDINATOR THROUGH THE RPR A MINIMUM OF 48 HOURS IN ADVANCE.
- WHEN WORKING UNDER A "WORK IN PROGRESS", ALL ADJACENT PAVEMENTS SHALL REMAIN AVAILABLE FOR AIRCRAFT OPERATIONS. THE DB ENTITY SHALL CONDUCT ALL CONSTRUCTION ACTIVITIES IN A MANNER SUCH THAT NO INTERFERENCE WITH AIRCRAFT OPERATION OCCURS. THE DB ENTITY SHALL BE PREPARED AND IS REQUIRED TO RELOCATE PERSONNEL AND EQUIPMENT TO THE LIMIT OF THE TAXIWAY OBJECT FREE AREA (160' FROM THE TAXIWAY CENTERLINE) TO ALLOW SAFE AND UNIMPEDED MOVEMENT OF ALL TAXIING AIRCRAFT.
- DB ENTITY IS ADVISED THAT OTHER AIRFIELD PROJECTS MAY BE CONSTRUCTED CONCURRENTLY WITH THIS PROJECT. REFER TO CONTRACT SPECIFICATION DIVISION I, ARTICLE 31 REGARDING COOPERATION BETWEEN ADJACENT AND/OR CONCURRENT CONTRACTS. COORDINATION BETWEEN CONTRACTS FOR SCHEDULING, CONSTRUCTION PHASING, AND CONSTRUCTION ACCESS SHALL BE DONE THROUGH MASSPORT OPERATIONS AND THE RPR.
- ALL SURVEY LAYOUT REQUIRED SHALL BE PERFORMED BY THE DB ENTITY'S PROFESSIONAL LAND SURVEYOR (PLS) REGISTERED IN THE COMMONWEALTH OF MASSACHUSETTS. ALL COSTS ASSOCIATED WITH SURVEY LAYOUT AND AS-BUILT DOCUMENTATION SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS CONTRACT ITEMS.
- REFER TO DRAWING G-110 FOR ADDITIONAL NOTES PERTAINING TO CONSTRUCTION SAFETY AND PHASING.
- AIRFIELD PAVEMENTS (INCLUDING HAUL ROUTES) NOT CONSIDERED FOR REHABILITATION UNDER THIS PROJECT SHALL BE PROTECTED FROM CONSTRUCTION EQUIPMENT BY THE DB ENTITY. ANY DAMAGE TO SUCH PAVEMENT SURFACES SHALL BE REPAIRED BY THE DB ENTITY AT NO ADDITIONAL EXPENSE TO THE OWNER. THE DB ENTITY SHALL VIDEO THE EXISTING ON-AIRPORT PCC AND BITUMINOUS PAVEMENT PRIOR TO COMMENCEMENT OF WORK. A COPY OF THE VIDEO SHALL BE PROVIDED TO MASSPORT CAPITAL PROGRAMS.
- THE DB ENTITY TO USE CAUTION WHILE TRAVELING AROUND BOTH RUNWAY 4L AND RUNWAY 15R EMAS BEDS. ANY DAMAGE DONE TO ANY COMPONENT TO THE EMAS BED IS TO BE REPAIRED BY THE DB ENTITY AT NO EXPENSE TO THE PROJECT OR MASSPORT.

GENERAL PLAN AND NOTES

SCALE: AS SHOWN



MASSACHUSETTS PORT AUTHORITY
EAST BOSTON, MASSACHUSETTS 02128

PROJECT LOCATION:
**RUNWAY 27 RSA IMPROVEMENTS
LOGAN INTERNATIONAL AIRPORT
BOSTON, MASSACHUSETTS**

MPA CONTRACT NO.: **L1633** LOCATION CODE: **2640**

PROJECT SUBMISSION PHASE:
401/404 DRAWINGS

REGISTRATION STAMP:



KEY PLAN:



REVISIONS:

REV NO.	DATE	DESCRIPTION	BY

PRIMARY:

wsp
100 SUMMER STREET
BOSTON, MA 02110
617.426.7330
www.WSP.com
CONSULTANT:

PROJECT NUMBER AND TITLE:

L1633
**RUNWAY 9-27 RUNWAY SAFETY
AREA IMPROVEMENTS**

SHEET TITLE:

GENERAL PLAN AND NOTES

DISCIPLINE:

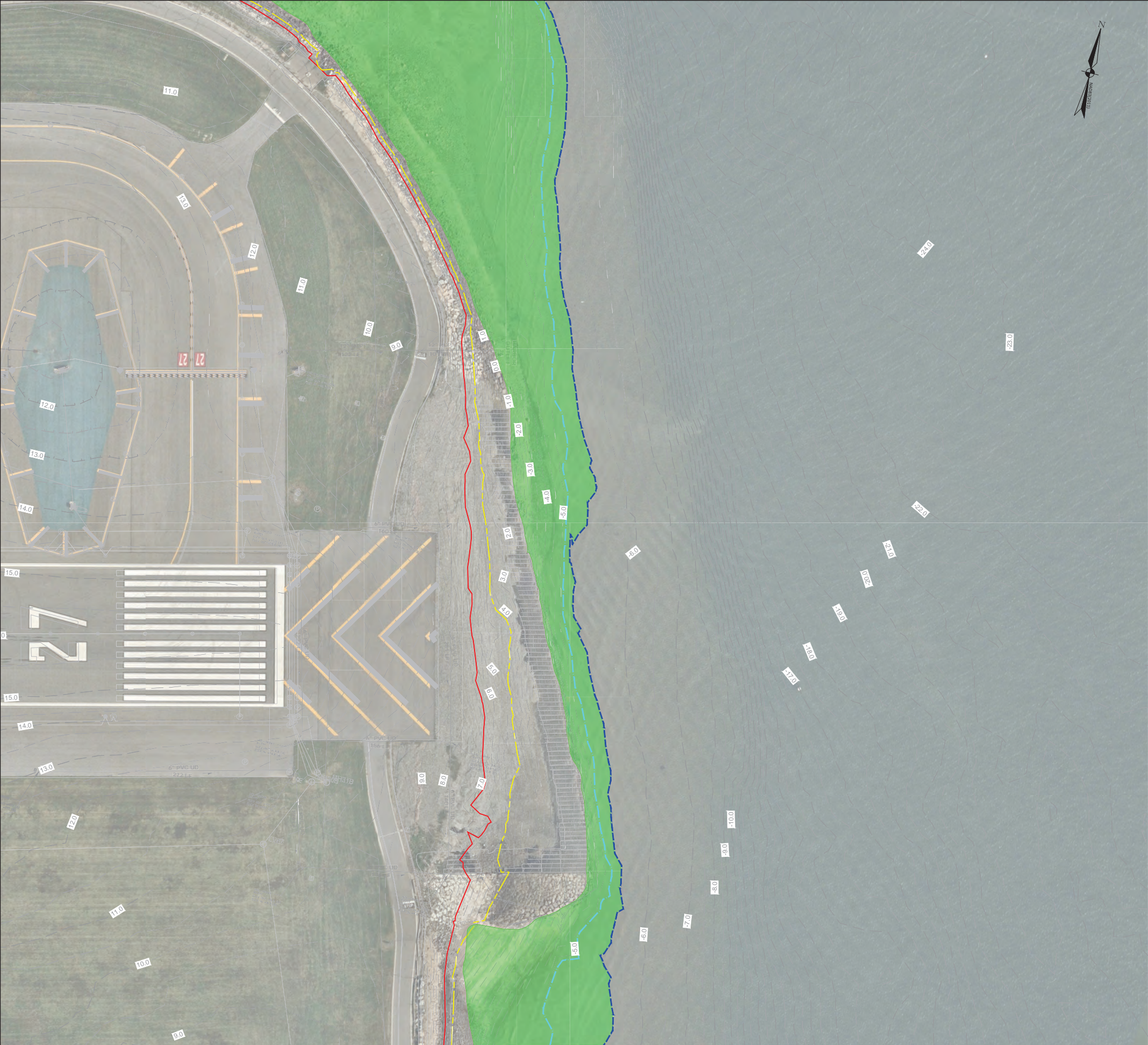
GENERAL

DRAWN BY:	CHECKED BY:	APPROVED BY:
GFR	CBC	CBC

SCALE:	DATE:
AS NOTED	JUNE 2024

DRAWING NUMBER: SHEET NO. 2 OF 14

G100



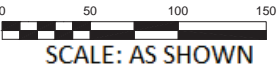
EXISTING CONDITIONS PLAN
SCALE: AS SHOWN

NOTES:

- ELEVATIONS SHOWN HEREON REFER TO THE NATIONAL VERTICAL DATUM 1988 (NAVD88).
- EXISTING CONTOURS ARE APPROXIMATE AND BASED ON INFORMATION OBTAINED FROM MASSPORT INCLUDING 'AS-BUILT' INFORMATION FROM PROJECT L1399C1 RUNWAY 9-27 AND TAXIWAY D EAST REHABILITATION, DATED 02/26/2021.
- EXISTING PLANIMETRIC FEATURES ARE APPROXIMATE AND BASED ON MASSPORT LOGAN BASE PLAN.
- EXISTING UTILITY INFORMATION IS APPROXIMATE AND BASED ON MASSPORT PROVIDED COMPILED UTILITY BASE PLANS.

LEGEND

- HIGH TIDE LINE, EL. 6.7'
- MEAN HIGH WATER, EL. 4.33'
- MEAN LOW WATER, EL. -5.16'
- MEAN LOWER LOW WATER, EL. -5.51'
- MUDFLAT



MASSACHUSETTS PORT AUTHORITY
EAST BOSTON, MASSACHUSETTS 02128

PROJECT LOCATION:
**RUNWAY 27 RSA IMPROVEMENTS
LOGAN INTERNATIONAL AIRPORT
BOSTON, MASSACHUSETTS**

MPA CONTRACT NO.: **L1633** LOCATION CODE: **2640**

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401/404 DRAWINGS

REGISTRATION STAMP:



KEY PLAN:



REVISIONS:

REV NO.	DATE	DESCRIPTION	BY

PRIMARY:

wsp
100 SUMMER STREET
BOSTON, MA 02110
617.426.7330
www.WSP.com

CONSULTANT:

PROJECT NUMBER AND TITLE:

L1633
**RUNWAY 9-27 RUNWAY SAFETY
AREA IMPROVEMENTS**

SHEET TITLE:

**EXISTING CONDITIONS PLAN WITH
FEDERAL RESOURCE
AREAS/BOUNDARIES**

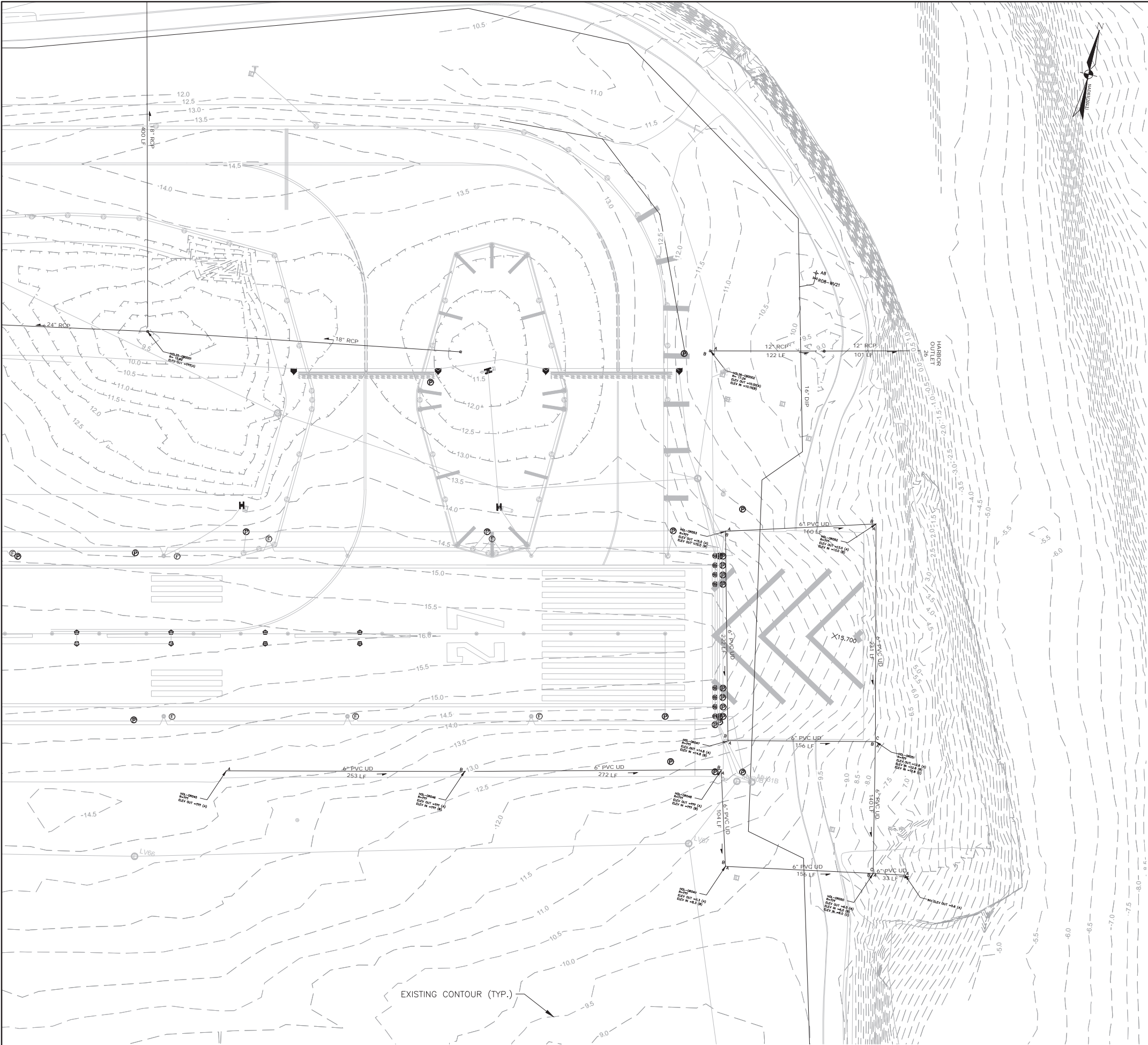
DISCIPLINE:
ENVIRONMENTAL

DRAWN BY:	CHECKED BY:	APPROVED BY:
SHP	KMM	KMM

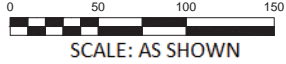
SCALE:	DATE:
AS NOTED	JUNE 2024

DRAWING NUMBER: SHEET NO. 4 OF 14

E100



EXISTING CONDITIONS PLAN
SCALE: AS SHOWN



- NOTES:
- ELEVATIONS SHOWN HEREON REFER TO THE NATIONAL VERTICAL DATUM 1988 (NAVD88).
 - EXISTING CONTOURS ARE APPROXIMATE AND BASED ON INFORMATION OBTAINED FROM MASSPORT INCLUDING 'AS-BUILT' INFORMATION FROM PROJECT L1399C1 RUNWAY 9-27 AND TAXIWAY D EAST REHABILITATION, DATED 02/26/2021.
 - EXISTING PLANIMETRIC FEATURES ARE APPROXIMATE AND BASED ON MASSPORT LOGAN BASE PLAN.
 - EXISTING UTILITY INFORMATION IS APPROXIMATE AND BASED ON MASSPORT PROVIDED COMPILED UTILITY BASE PLANS.



MASSACHUSETTS PORT AUTHORITY
EAST BOSTON, MASSACHUSETTS 02128

PROJECT LOCATION:
**RUNWAY 27 RSA IMPROVEMENTS
LOGAN INTERNATIONAL AIRPORT
BOSTON, MASSACHUSETTS**

MPA CONTRACT NO.: **L1633** LOCATION CODE: **2640**

PROJECT SUBMISSION PHASE:
401/404 DRAWINGS

REGISTRATION STAMP:



KEY PLAN:



REVISIONS:

REV NO.	DATE	DESCRIPTION	BY

PRIMARY:
wsp
100 SUMMER STREET
BOSTON, MA 02110
617.426.7330
www.WSP.com
CONSULTANT:

PROJECT NUMBER AND TITLE:

L1633
**RUNWAY 9-27 RUNWAY SAFETY
AREA IMPROVEMENTS**

SHEET TITLE:

EXISTING CONDITIONS PLAN

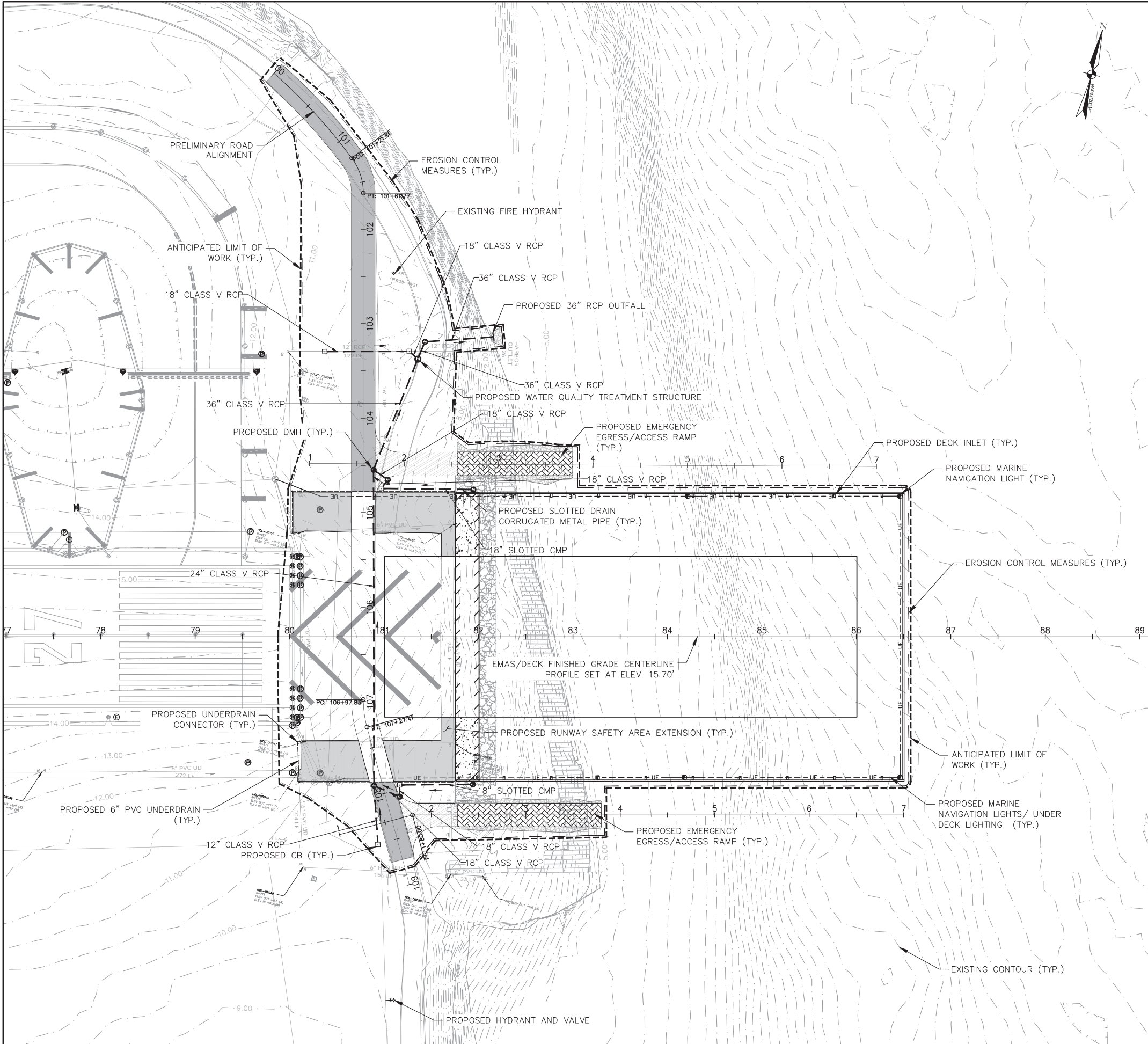
DISCIPLINE:
CIVIL

DRAWN BY:	CHECKED BY:	APPROVED BY:
JTR	CBC	CBC

SCALE:	DATE:
AS NOTED	JUNE 2024

DRAWING NUMBER: SHEET NO. 8 OF 14

C100



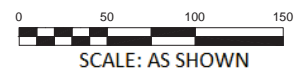
NOTES:

- ELEVATIONS SHOWN HEREON REFER TO THE NATIONAL GEODETIC VERTICAL DATUM (NGVD 1929 - MEAN SEA LEVEL).
- EXISTING CONTOURS ARE APPROXIMATE.
- FOR EXISTING CONDITIONS, SEE DRAWING C-100.
- FOR TYPICAL SECTIONS, SEE DRAWINGS C-310.
- ANY EXISTING PAVEMENT MARKINGS THAT ARE DAMAGED, AS DEEMED BY THE ENGINEER, DUE TO THE DB ENTITY'S CONSTRUCTION ACTIVITIES SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE DB ENTITY'S COST.
- ALL EROSION CONTROLS SHALL BE APPROVED BY THE ENGINEER PRIOR TO BEGINNING WORK IN THE SUBJECT AREA.
- SURVEY INFORMATION PROVIDED BY MASSPORT SURVEY AND MASSGIS.
- FOR PERMITTING PURPOSES, DRAINAGE DESIGN WAS ADVANCED TO GAIN AGENCY CONCURRENCE AND APPROVAL.

LEGEND

- IN-WATER RAMP
- RIPRAP
- RAMP PAVEMENT
- ACCESS ROAD PAVEMENT
- UNDERDRAIN
- ELECTRIC CONDUIT
- LIMIT OF WORK
- EROSION CONTROL

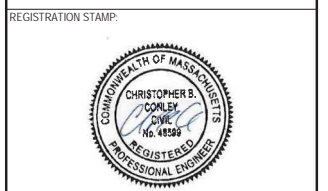
GRADING, DRAINAGE AND UTILITIES PLAN - RSA IMPROVEMENTS
SCALE: AS SHOWN



PROJECT LOCATION:
**RUNWAY 27 RSA IMPROVEMENTS
LOGAN INTERNATIONAL AIRPORT
BOSTON, MASSACHUSETTS**

MPA CONTRACT NO.: **L1633** LOCATION CODE: **2640**

PROJECT SUBMISSION PHASE:
401/404 DRAWINGS



REGISTRATION STAMP:



REVISIONS:		
REV NO.	DATE	DESCRIPTION

PRIMARY:
wsp
100 SUMMER STREET
BOSTON, MA 02110
617.426.7330
www.WSP.com

CONSULTANT:

PROJECT NUMBER AND TITLE:
**L1633
RUNWAY 9-27 RUNWAY SAFETY
AREA IMPROVEMENTS**

SHEET TITLE:
**CONCEPTUAL GRADING, DRAINAGE
AND UTILITIES PLAN**

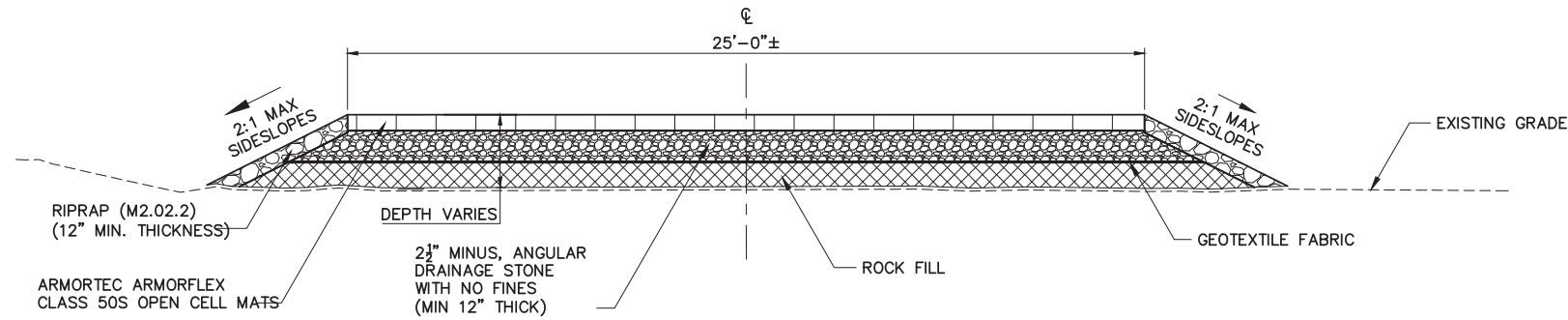
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CIVIL

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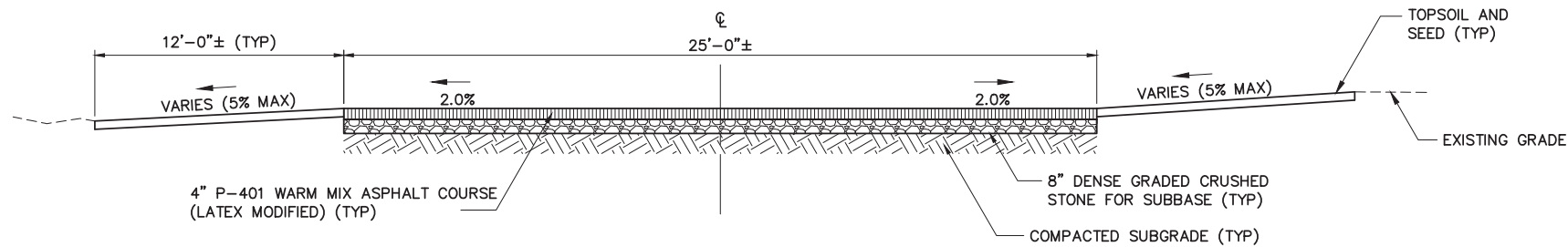
SCALE:	DATE:
AS NOTED	JUNE 2024

DRAWING NUMBER: SHEET NO. 9 OF 14

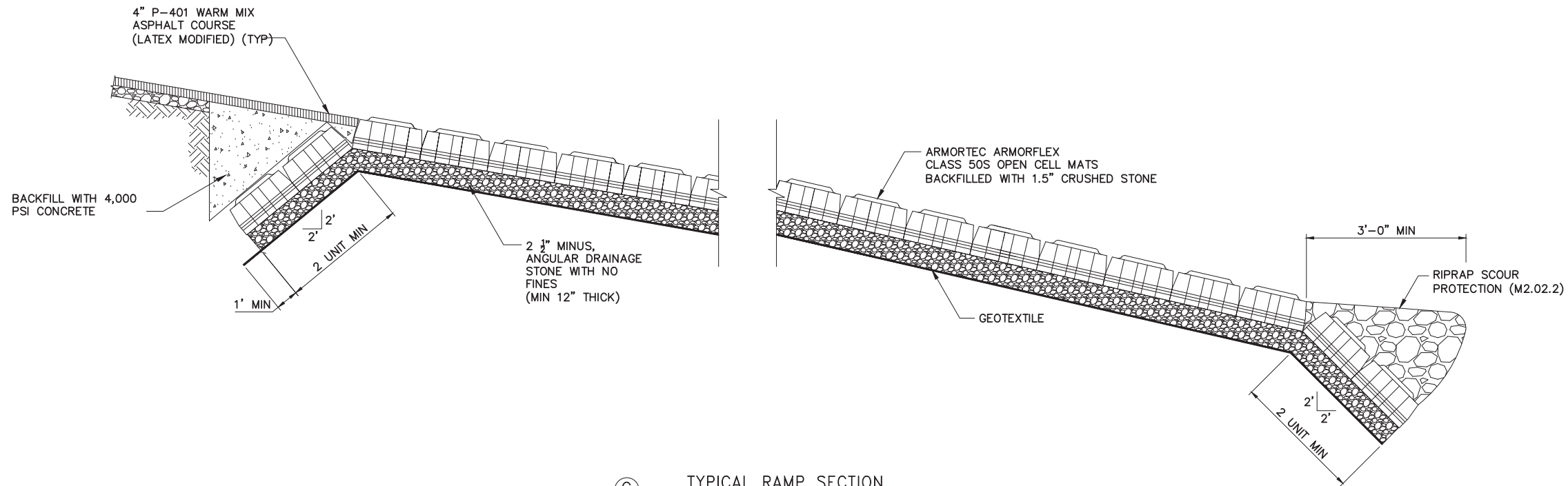
C101



A TYPICAL SECTION THROUGH EGRESS/ACCESS RAMP (CONCRETE MAT SURFACE)
NOT TO SCALE



B TYPICAL SECTION THROUGH EGRESS/ACCESS RAMP (PAVED SURFACE)
NOT TO SCALE



C TYPICAL RAMP SECTION
NOT TO SCALE



MASSACHUSETTS PORT AUTHORITY
EAST BOSTON, MASSACHUSETTS 02128

PROJECT LOCATION:
RUNWAY 27 RSA IMPROVEMENTS
LOGAN INTERNATIONAL AIRPORT
BOSTON, MASSACHUSETTS

MPA CONTRACT NO.: L1633 LOCATION CODE: 2640

PROJECT SUBMISSION PHASE:
401/404 DRAWINGS

REGISTRATION STAMP:



KEY PLAN:



REVISIONS:

REV NO.	DATE	DESCRIPTION	BY

PRIMARY:

wsp
100 SUMMER STREET
BOSTON, MA 02110
617.426.7330
www.WSP.com

CONSULTANT:

PROJECT NUMBER AND TITLE:

L1633
RUNWAY 9-27 RUNWAY SAFETY
AREA IMPROVEMENTS

SHEET TITLE:

TYPICAL EGRESS/ACCESS RAMP
SECTIONS
PROPOSED

DISCIPLINE:

CIVIL

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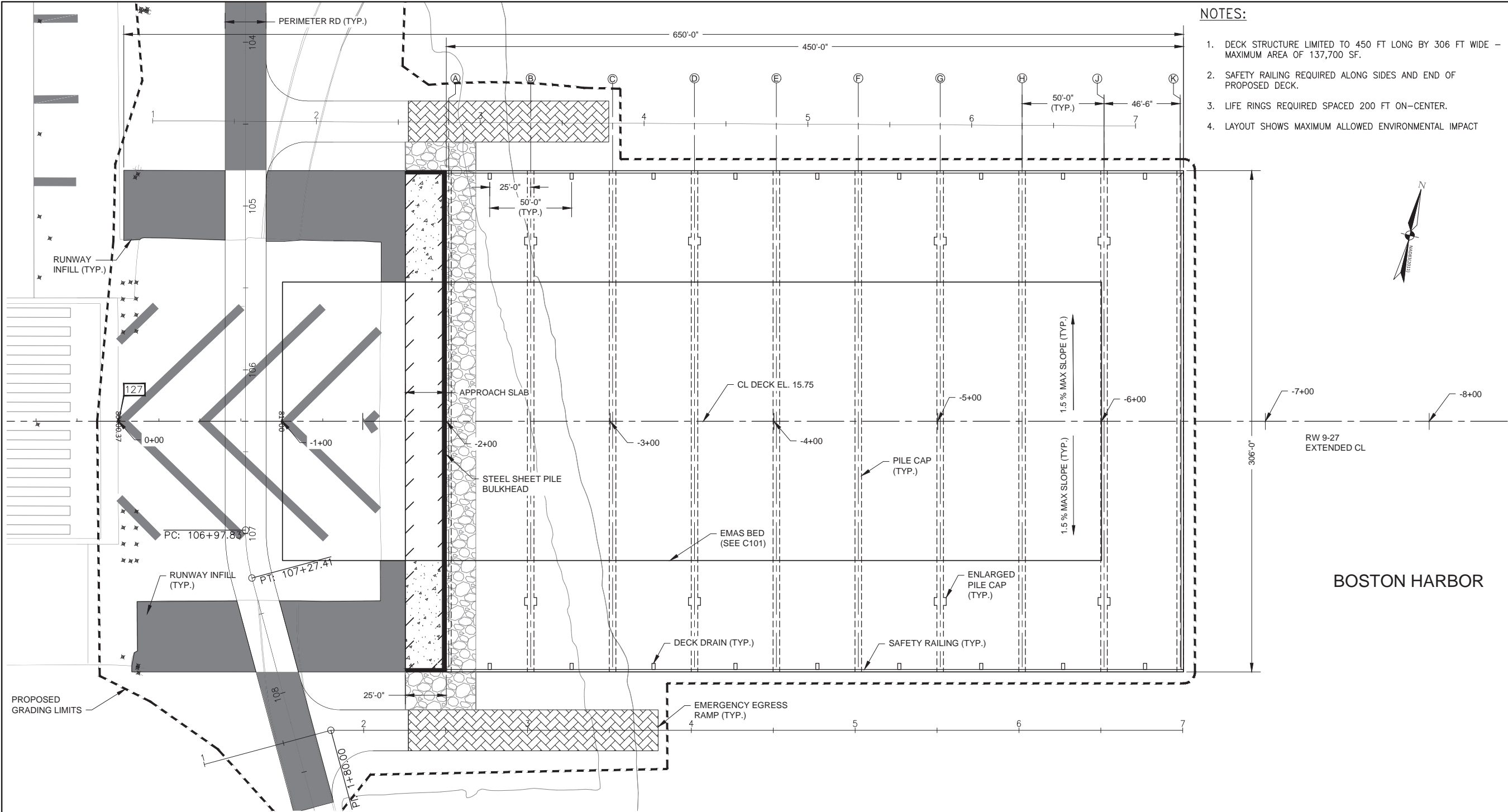
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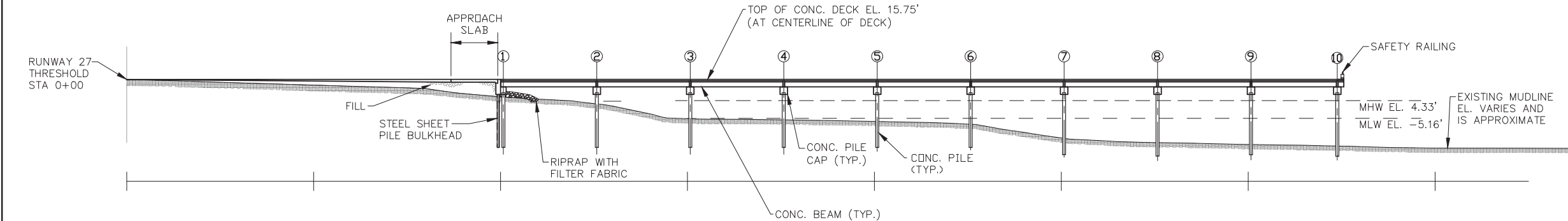
AS NOTED JUNE 2024

DRAWING NUMBER: SHEET NO. 10 OF 14

C330



GENERAL PLAN
SCALE: AS SHOWN



ELEVATION AT CENTERLINE OF DECK
SCALE: AS SHOWN



- NOTES:
1. DECK STRUCTURE LIMITED TO 450 FT LONG BY 306 FT WIDE - MAXIMUM AREA OF 137,700 SF.
 2. SAFETY RAILING REQUIRED ALONG SIDES AND END OF PROPOSED DECK.
 3. LIFE RINGS REQUIRED SPACED 200 FT ON-CENTER.
 4. LAYOUT SHOWS MAXIMUM ALLOWED ENVIRONMENTAL IMPACT

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LOCATION CODE: 2640

PROJECT SUBMISSION PHASE:
401/404 DRAWINGS

REGISTRATION STAMP:

KEY PLAN:

REVISIONS:

REV NO.	DATE	DESCRIPTION	BY

PRIMARY:

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617.426.7330
www.WSP.com
CONSULTANT:

PROJECT NUMBER AND TITLE:
L1633
RUNWAY 9-27 RUNWAY SAFETY
AREA IMPROVEMENTS

SHEET TITLE:
GENERAL PLAN AND ELEVATION

DISCIPLINE:
STRUCTURAL

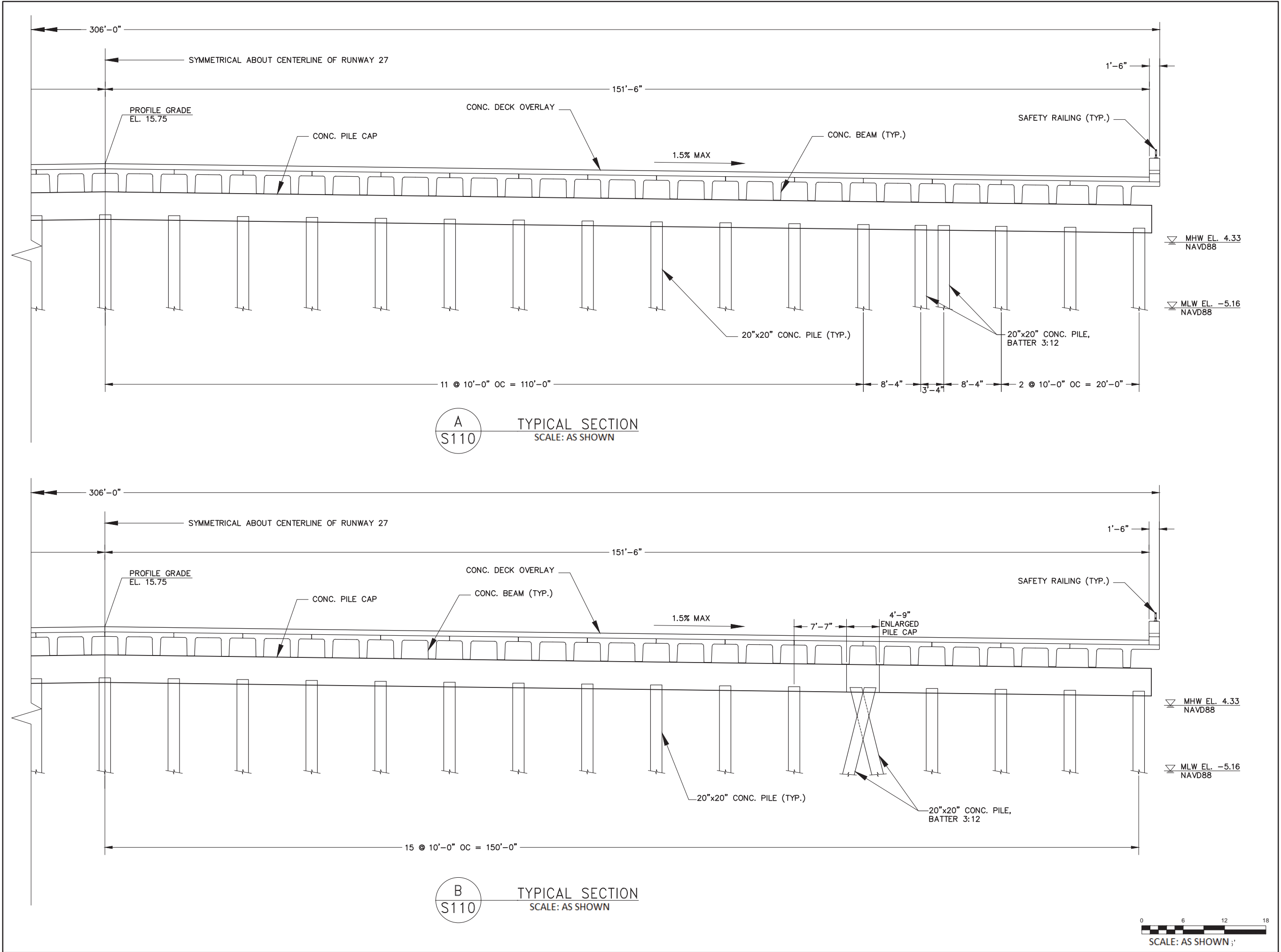
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SCALE: AS NOTED	DATE: JUNE 2024
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DRAWING NUMBER: SHEET NO. 11 OF 14

S100

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EAST BOSTON, MASSACHUSETTS 02128

PROJECT LOCATION:
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MPA CONTRACT NO.: L1633
LOCATION CODE: 2640

PROJECT SUBMISSION PHASE:
401/404 DRAWINGS

REGISTRATION STAMP:


KEY PLAN:


REVISIONS:		
REV NO.	DATE	DESCRIPTION

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PROJECT NUMBER AND TITLE:
L1633
RUNWAY 9-27 RUNWAY SAFETY
AREA IMPROVEMENTS

SHEET TITLE:
TYPICAL SECTION

DISCIPLINE:
STRUCTURAL

DRAWN BY:	CHECKED BY:	APPROVED BY:
JTR	JC	JC

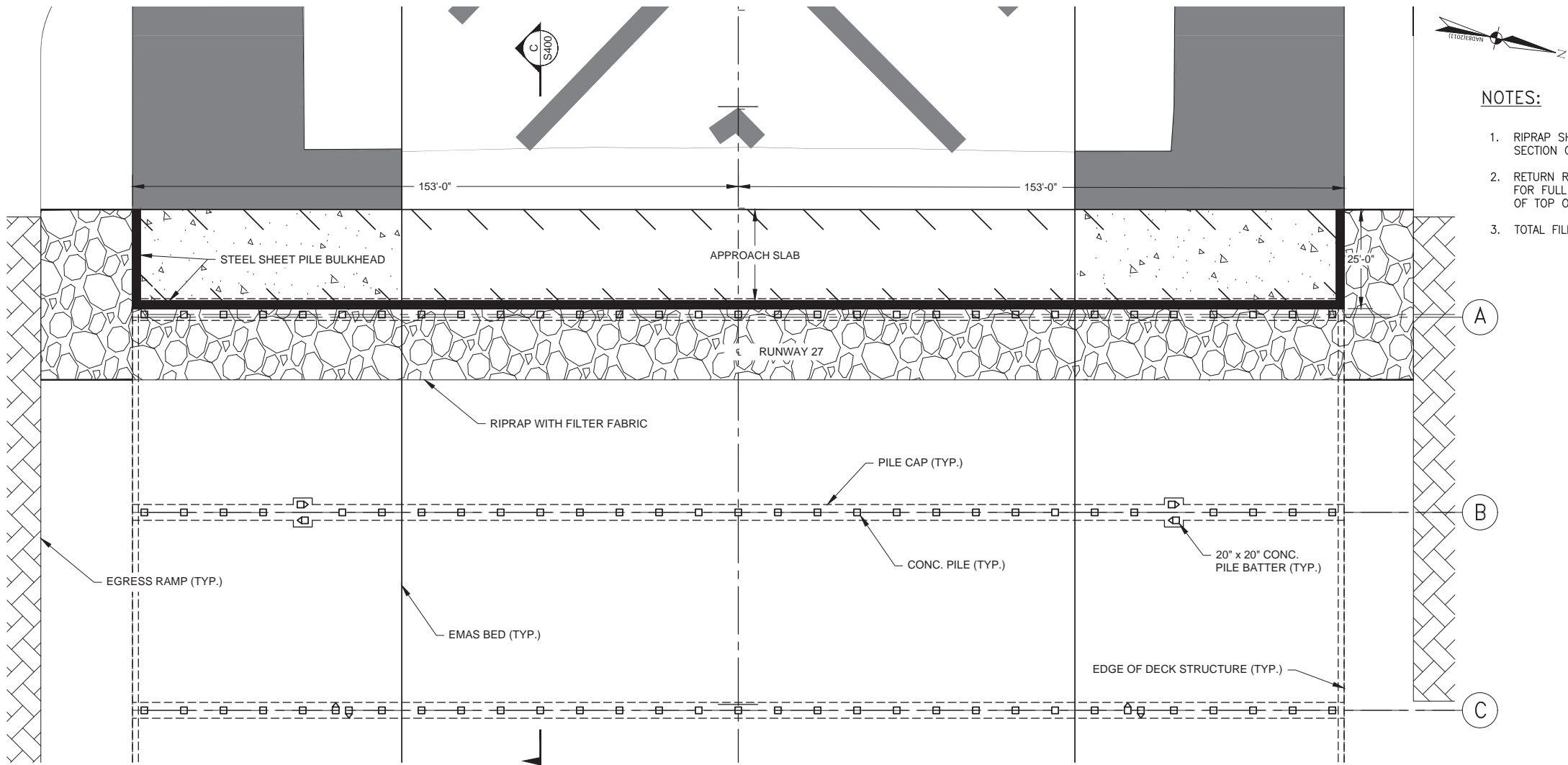
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AS NOTED	JUNE 2024

DRAWING NUMBER: SHEET NO. 13 OF 14

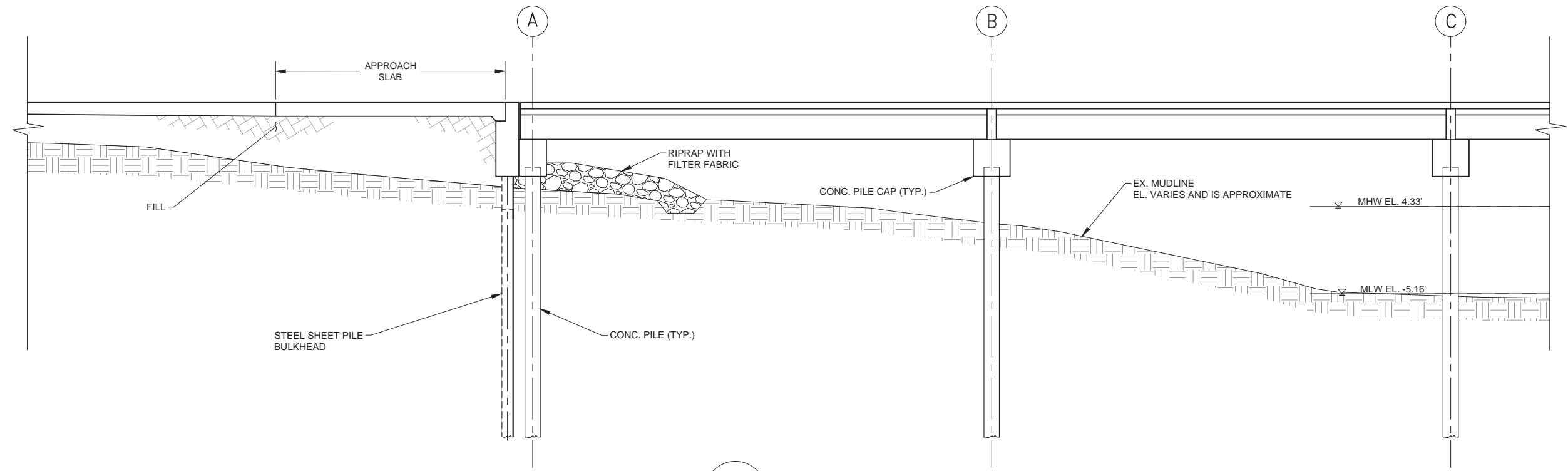
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BULKHEAD PLAN
SCALE: AS SHOWN



C
S400
TYPICAL SECTION
SCALE: AS SHOWN



- NOTES:
1. RIPRAP SHALL BE 3-FT THICK BY 18-FT WIDE WITH A CROSS SECTION OF APPROXIMATELY 54 SF.
 2. RETURN RIPRAP ALONG NORTH AND SOUTH BULKHEAD FACES FOR FULL 25-FT LENGTH AND SLOPE TO MEET THE ELEVATION OF TOP OF EGRESS RAMPS.
 3. TOTAL FILL QUANTITY OF RIPRAP APPROXIMATELY 900 CY.



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MPA CONTRACT NO.: L1633
LOCATION CODE: 2640

PROJECT SUBMISSION PHASE:
401/404 DRAWINGS

REGISTRATION STAMP:



KEY PLAN:



REVISIONS:

REV NO.	DATE	DESCRIPTION	BY

PRIMARY:

wsp
100 SUMMER STREET
BOSTON, MA 02110
617.426.7330
www.WSP.com

CONSULTANT:

PROJECT NUMBER AND TITLE:

L1633
RUNWAY 9-27 RUNWAY SAFETY
AREA IMPROVEMENTS

SHEET TITLE:

BULKHEAD PLAN AND SECTION

DISCIPLINE:

STRUCTURAL

DRAWN BY:	CHECKED BY:	APPROVED BY:
AS	JC	JC

SCALE:	DATE:
AS NOTED	JUNE 2024

DRAWING NUMBER: SHEET NO. 14 OF 14

S400