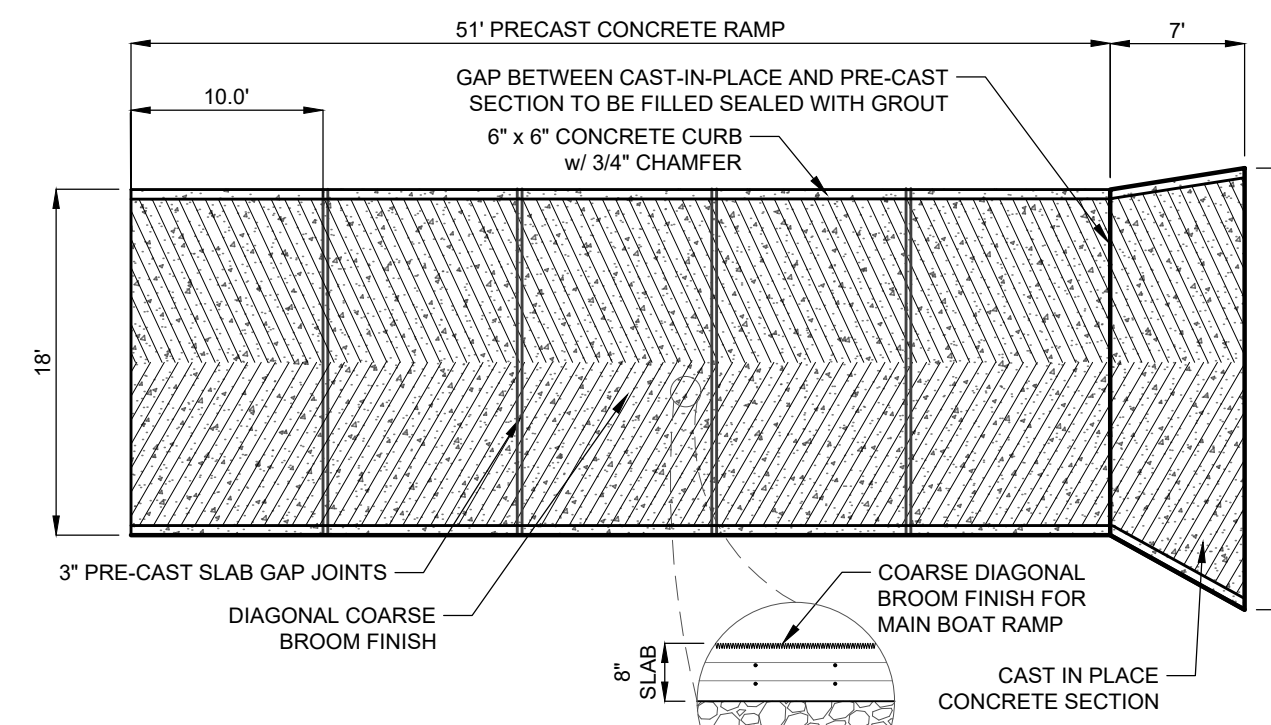
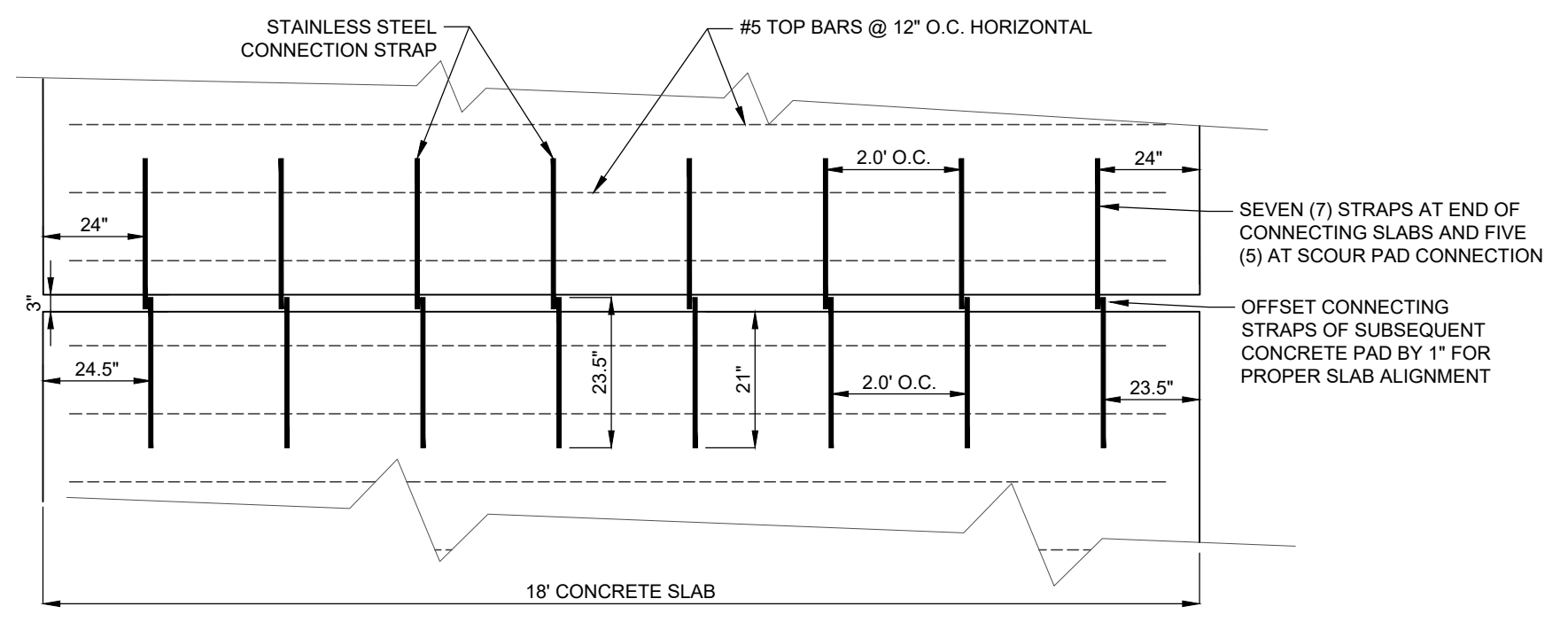


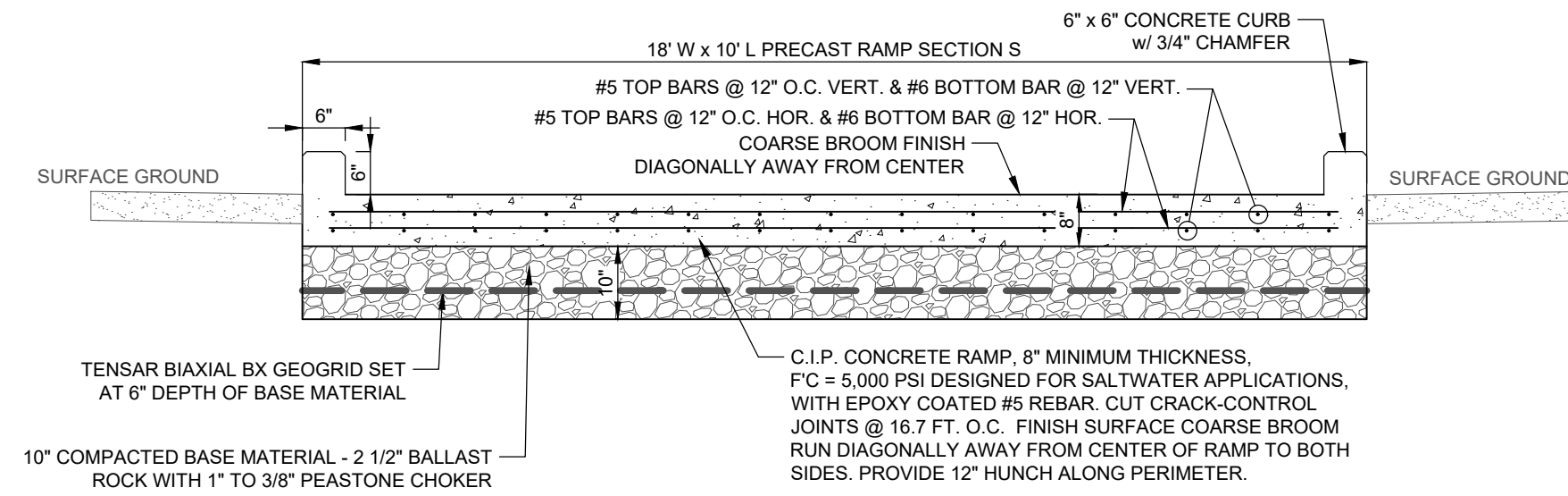
TYPICAL BOAT RAMP SECTION DETAIL (CAST IN PLACE)
NOT TO SCALE



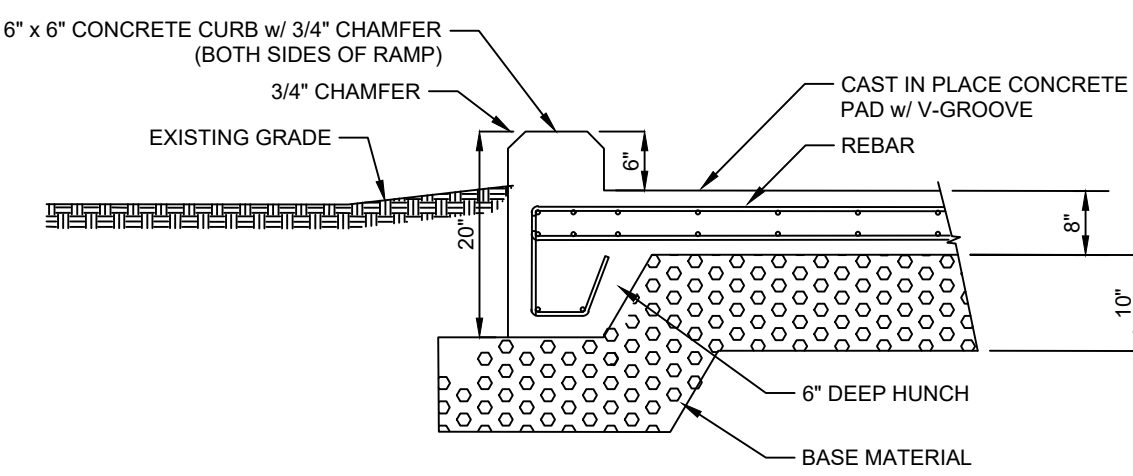
BOAT RAMP PLAN DETAIL
SCALE: 1" = 10'



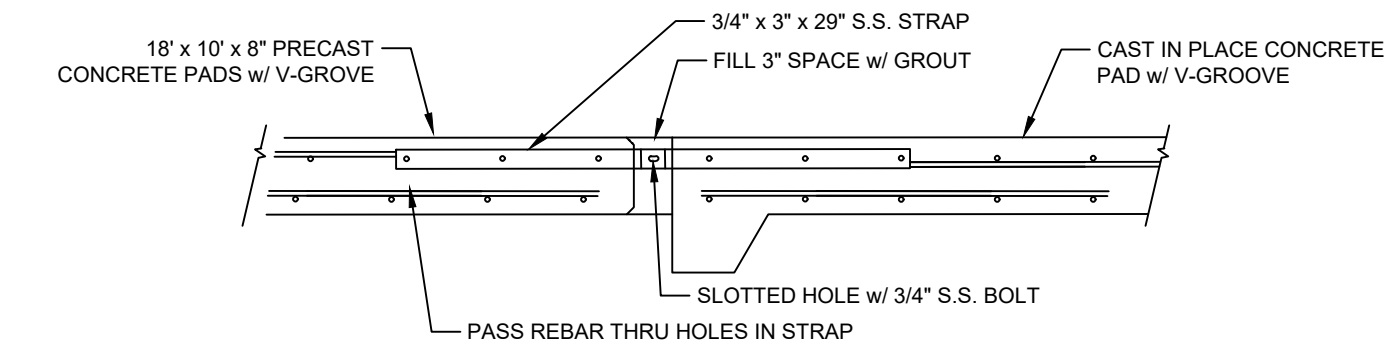
ALTERNATIVE SLAB STRAP CONNECTION ALIGNMENT DETAIL
NOT TO SCALE



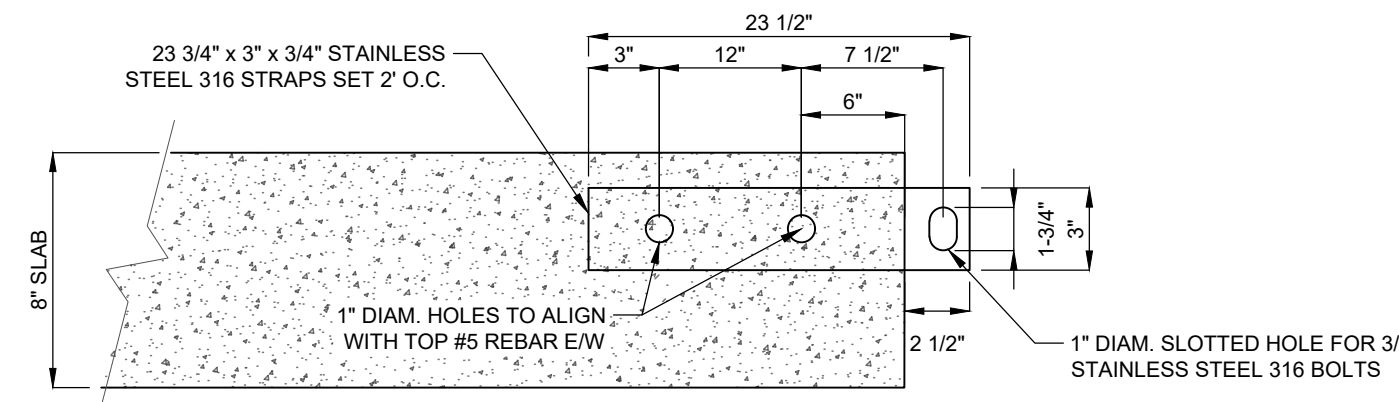
TYPICAL BOAT RAMP SECTION DETAIL (PRECAST)
NOT TO SCALE



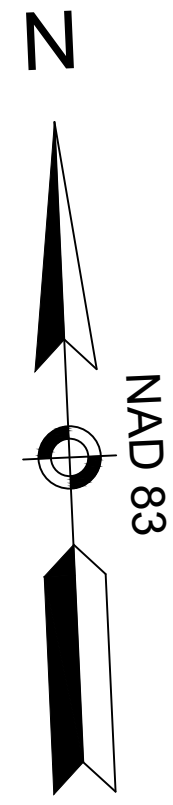
CONCRETE SLAB HUNCH & SIDE CURBING DETAIL
NOT TO SCALE



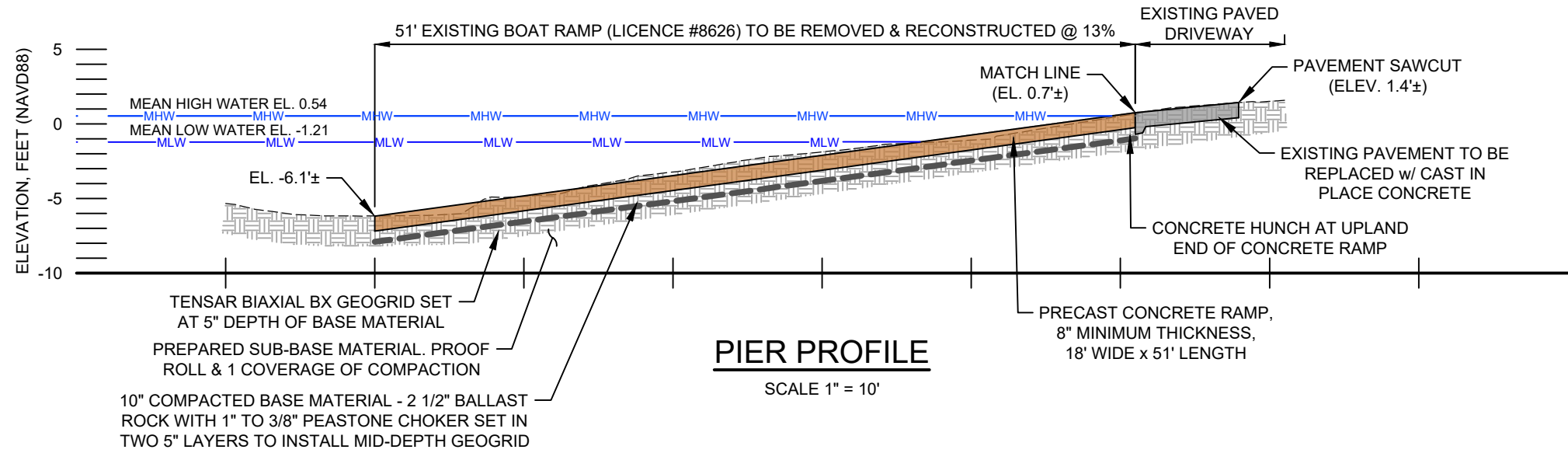
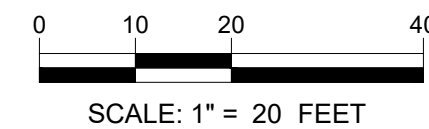
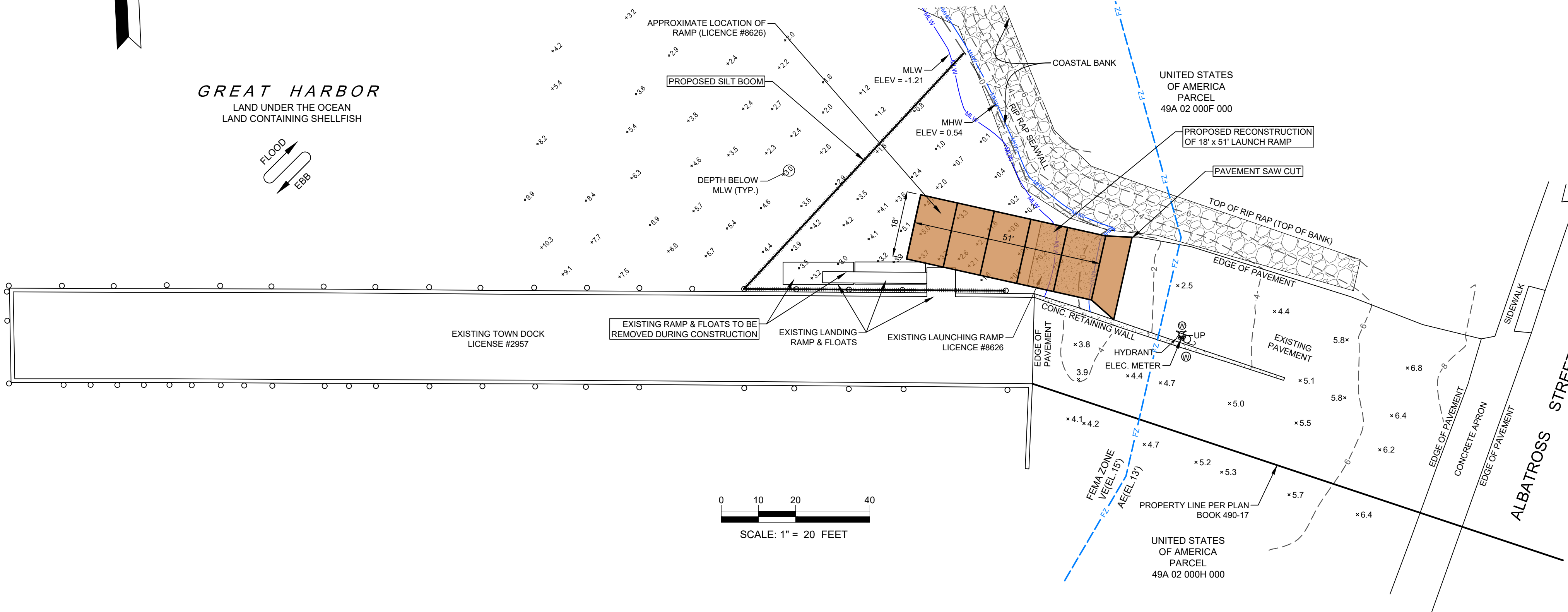
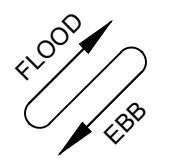
CAST-IN-PLACE TO PRE-CAST SECTION CONNECTION DETAIL
NOT TO SCALE



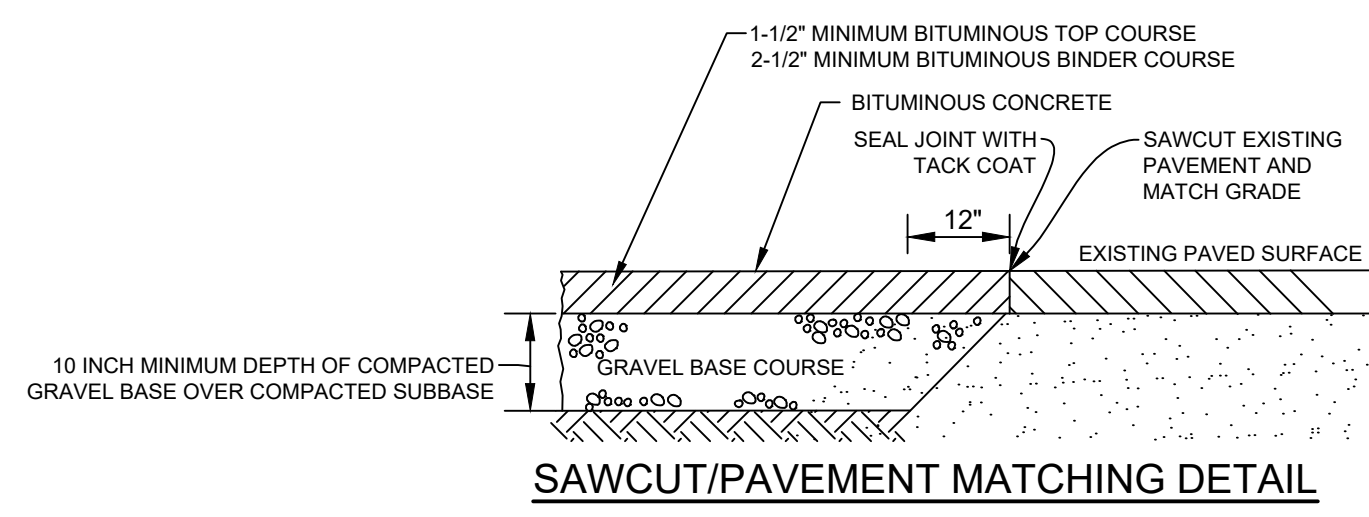
SLAB STRAP CONNECTION DETAIL
NOT TO SCALE



GREAT HARBOR
LAND UNDER THE OCEAN
LAND CONTAINING SHELLFISH



PIER PROFILE
SCALE 1" = 10'



NOTE:
BITUMINOUS PAVEMENT INSTALLATION ONLY IF A LARGER AREA OR ADDITIONAL PAVEMENT NEEDS TO BE REMOVED AND REPLACED IN-KIND FOR COMPLETION OF THIS WORK.

GENERAL NOTES

- LOCATIONS ARE BASED ON AN "ON THE GROUND" INSTRUMENT SURVEY AND ELEVATIONS BASED ON THE NAVD 1988 DATUM. COORDINATE SYSTEM USED IS THE MA-MAINLAND COORDINATE SYSTEM, DATUM: NAD 83, UNITS: U.S. SURVEY FEET.
- ZONING DISTRICT: PU
- PROPERTY IS LOCATED WITHIN AN AREA HAVING A ZONE DESIGNATION OF AE (ELEV 12) & VE (ELEV 15) BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), ON FLOOD INSURANCE RATE MAP NO. 25001C0718J, WITH A MAP EFFECTIVE DATE OF JULY 16, 2014.
- THIS LOT IS NOT LOCATED WITHIN A DEP APPROVED ZONE II WELLHEAD PROTECTION AREA. THIS LOT IS NOT MAPPED WITHIN A MESA NATURAL HERITAGE AND ENDANGERED SPECIES AREA.
- OWNER: TOWN OF FALMOUTH, 59 TOWN HALL SQUARE, FALMOUTH, MA 02540

CONSERVATION NOTES

- PRIOR TO ANY WORK COMMENCING, THE DEP FILE NUMBER SHALL BE POSTED ON A SIGN ON THE STREET SIDE OF THE LOT AND MAINTAINED IN A VISIBLE LOCATION THROUGHOUT THE PROJECT.
- PRIOR TO ANY WORK COMMENCING, ADVANCE WRITTEN NOTIFICATION WILL BE PROVIDED TO THE LOCAL CONSERVATION COMMISSION.
- THE CONSTRUCTION SITE WILL BE CLEANED DAILY TO REMOVE ANY LOOSE DEBRIS.
- ALL PROPOSED WORK IS LOCATED WITHIN PREVIOUSLY LEGALLY DISTURBED AREAS.

PROJECT STATISTICS

1. EXISTING AREA OF CONCRETE BOAT RAMP:	901 S.F.
2. PROPOSED AREA OF CONCRETE BOAT RAMP:	901 S.F.
3. TOTAL AREA OF CONCRETE BOAT RAMP BETWEEN MHW & MLW:	207 S.F.
4. TOTAL AREA OF CONCRETE BOAT RAMP BELOW MLW:	680 S.F.
5. AREA OF WORK IN LAND UNDER OCEAN:	2,708 S.F.
6. AREA OF WORK IN LAND CONTAINING SHELLFISH:	2,028 S.F.

PRECAST CONCRETE RAMP NOTES

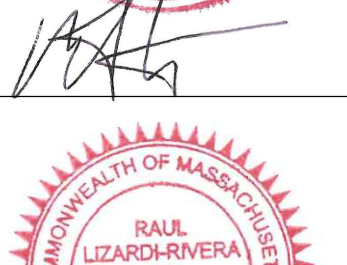
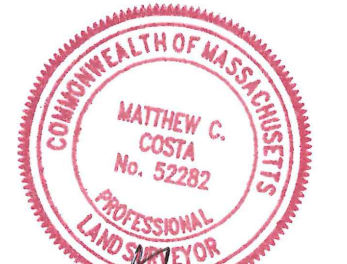
- PRECAST CONCRETE RAMPS SHALL BE 18' WIDE x 10' LENGTH x 8" MINIMUM THICKNESS. FC = 5,000 PSI DESIGNED FOR SALTWATER APPLICATIONS, WITH EPOXY COATED #5 REBAR. FINISH SURFACE COARSE BROOM RUN DIAGONALLY AWAY FROM CENTER OF RAMP TO BOTH SIDES. CONCRETE SLABS AS MANUFACTURED BY ACME SHOREY PRECAST OR APPROVED EQUAL.
- CONCRETE SLABS SHALL BE INTERCONNECTED TO EACH OTHER WITH STRAP CONNECTIONS. SEE STRAP CONNECTION DETAIL.
- SLAB JOINTS SHALL BE COMPLETELY FILLED WITH EPOXY GROUT.

EROSION AND SEDIMENTATION CONTROL PLAN

- THE CONTRACTOR SHALL EXAMINE THE WORK AREA AND SITE CONDITIONS UNDER WHICH THIS WORK IS TO BE PERFORMED PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL SELECT AN AREA WITHIN THE PARKING LOT FOR STAGING OF MATERIALS AND EQUIPMENT THROUGHOUT THE DURATION OF THE WORK.
- THE CONTRACTOR SHALL INSTALL A SILT CURTAIN BOOM WITHIN OCKWAY BAY TO CONTROL AND PROVIDE SEDIMENTS FILTRATION.
- THE SILT CURTAIN SHALL BE KEPT IN PLACE UNTIL ALL SILT PLUME AND SUSPENDED SEDIMENTS HAVE SETTLED TO THE SEABED.
- IF THE INSTALLATION OF A COFFERDAM IS EMPLOYED THE CONTRACTOR SHALL ENSURE THAT THE SILT CURTAIN IS IN PLACE PRIOR TO INSTALLATION OF THE SHEET PILES.
- AT NO POINT DURING CONSTRUCTION SHALL SILT, SEDIMENT, EROSION, DEBRIS AND SOIL FROM THE CONSTRUCTION AREA BE ALLOWED TO BE TRACKED OUT OF THE PREMISES.
- UNUSABLE AND EXCESS MATERIAL, NOT INTENDED FOR REUSE OR RE-PURPOSE WITHIN THE SITE SHALL BE STRIPPED FROM AREAS IMPACTED BY CONSTRUCTION AND DISPOSED OFF-SITE.
- EXCAVATED MATERIAL OR IMPORTED MATERIAL SHALL NOT BE PILED IN AREAS WHERE SEDIMENTS MAY DAMAGE DRAINAGE SYSTEM ON THE SITE OR ON ADJACENT PROPERTIES OR MAY POSE A THREAT TO ADJUTING PROPERTIES AND TO THE WETLAND RESOURCES.
- THE CONTRACTOR SHALL MAINTAIN ON SITE 200 LINEAR FEET OF EXTRA SILT FENCE IN THE EVENT EROSION OCCURS AND IMMEDIATE ACTION IS NECESSARY. IF EROSION OCCURS DURING CONSTRUCTION THE CONTRACTOR SHALL TAKE IMMEDIATE STEPS TO CONTAIN MATERIAL ON SITE AND PREVENT FUTURE EROSION.
- EXCAVATED MATERIAL SHALL NOT BE STOCKPILED FOR PROLONG PERIODS OF TIME. IF RAIN IS FORECASTED DURING CONSTRUCTION THE CONTRACTOR SHALL PROVIDE SILTATION CONTROL DOWN-GRADEMENT FROM STOCKPILE MATERIAL TO AVOID MATERIAL WASHOUT.
- THE CONTRACTOR SHALL IMPLEMENT MEASURES TO CONTROL DUST LEVELS BY MEANS SUCH AS WATER TRUCKS DURING CONSTRUCTION UNTIL ALL DISTURBED AREAS ARE STABILIZED.
- THE CONTRACTOR SHALL SUBMIT A DEWATERING PLAN TO BE APPROVED BY THE ENGINEER IF DEWATERING ACTIVITIES WILL BE IMPLEMENTED DURING CONSTRUCTION.

CAPE & ISLANDS ENGINEERING
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Prepared For: TOWN OF FALMOUTH, 180 SCRANTON AVENUE, FALMOUTH, MA 02540

Project: 0 ALBATROSS STREET, FALMOUTH, MASSACHUSETTS, ASSESSOR'S ID: MAP 49A-02-000G-000

Drawing Title: LAUNCHING RAMP RECONSTRUCTION PLAN

Date: MARCH 8, 2023

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