



State of Rhode Island
Coastal Resources Management Council
Oliver H. Stedman Government Center
4808 Tower Hill Road, Suite 3
Wakefield, RI 02879-1900

(401) 783-3370
Fax (401) 783-2069

PUBLIC NOTICE

File Number: 2022-01-010

Date: February 21, 2022

This office has under consideration the application of:

**Department of Environmental Management
Division of Planning and Development
235 Promenade Street
Providence, RI 02908**

for a State of Rhode Island Assent to construct and maintain: RIDEM proposes to construct a new boardwalk comprised of precast piles, beams, and deck panels to be installed along the north side of the existing bulkhead over the existing impervious bituminous parking lot. A cast-in-place concrete wall will be constructed along the existing steel sheet pile wall alignment to support the south side of the boardwalk. Ancillary "bump-outs" along the southern side of the board walk include two shade structures, two patios, and two foot-wash stations. In addition to these bump-outs, numerous stairs and ramps will be located throughout the length of the boardwalk to provide ADA accessible access to boardwalk and shoreline. A 50-foot construction setback is required (per RICRMP 1.1.9.B), a variance from this requirement per section 1.1.7(A) of the RICRMP is requested. Additionally, the work proposed includes work on the beach bordering Type 1 waters, which is prohibited per RICRMP section 1.2.2 (A)(b). RIDEM requests a Special Exception to allow the work to proceed.

Project Location:	100 Sand Hill Cove Road
City/Town:	Narragansett
Plat/Lot:	J/N / 35 175
Waterway:	Block Island Sound

Plans of the proposed work may be seen at the CRMC office in Wakefield.

In accordance with the Administrative Procedures Act (Chapter 42-35 of the Rhode Island General Laws) you may request a hearing on this matter.

You are advised that if you have good reason to enter protests against the proposed work it is your privilege to do so. It is expected that objectors will review the application and plans thoroughly, visit site of proposed work if necessary, to familiarize themselves with the conditions and cite what law or laws, if any, would in their opinion be violated by the work proposed.

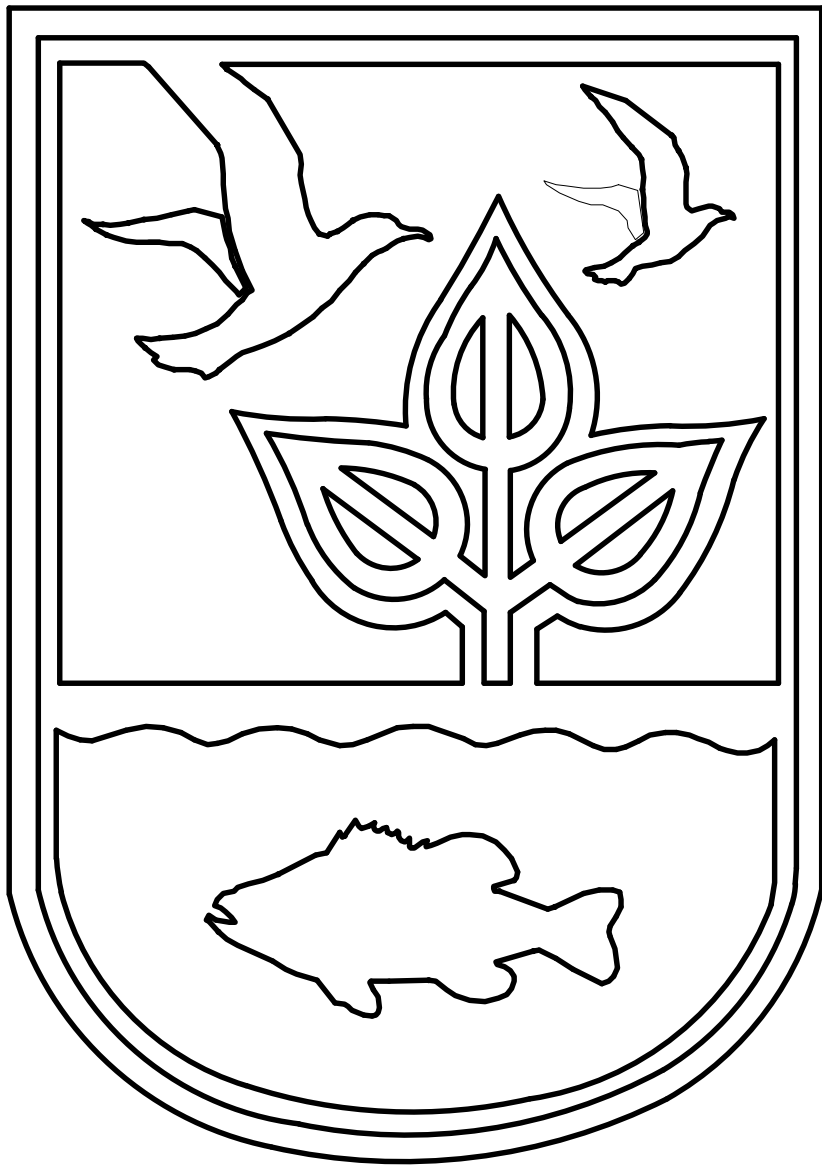
If you desire to protest, you must attend the scheduled hearing and give sworn testimony. A notice of the time and place of such hearing will be furnished you as soon as possible after receipt of your request for hearing. If you desire to request a hearing, to receive consideration, it should be in writing (**with your correct mailing address, e-mail address and valid contact number**) and be received at this office on or before March 21, 2022.

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STATE OF RHODE ISLAND

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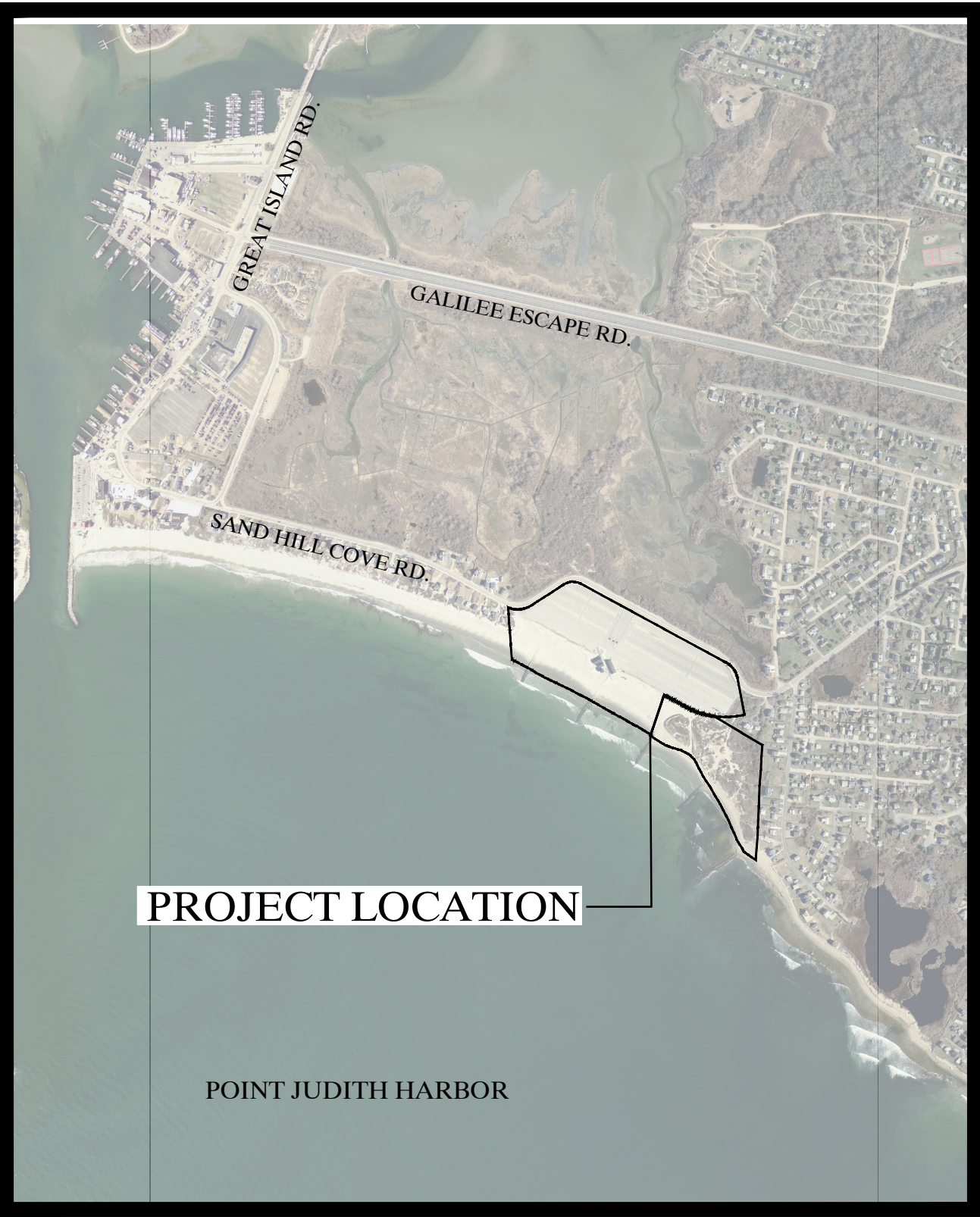
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
DIVISION OF PLANNING AND DEVELOPMENT
ROGER WHEELER STATE BEACH
BOARDWALK

NARRAGANSETT, RHODE ISLAND
Pare Project No. 19131.00

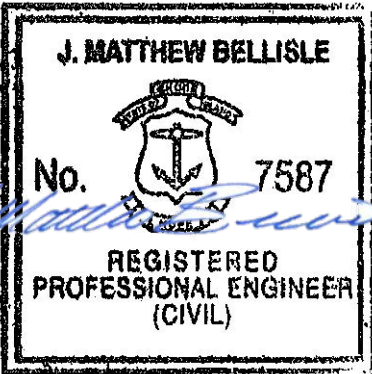


PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
10 LINCOLN ROAD, SUITE 210
FOXBORO, MA 02035
508-543-1755

DECEMBER 2021



Locus Map
Scale: 1"=1000'



90% DESIGN SUBMISSION
NOT FOR CONSTRUCTION



GENERAL NOTES:

1. FOR THE PURPOSE OF THIS PROJECT
- OWNER – DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
235 PROMENADE STREET, FL 3
PROVIDENCE, RI 02908
- ENGINEER – PARE CORPORATION
10 LINCOLN ROAD, SUITE 210
FOXBORO, MA 02035
- CONTACT – J. MATTHEW BELLISLE, P.E., SENIOR VICE PRESIDENT
BRIAN DUTRA, P.E., PROJECT ENGINEER
2. ALL CONSTRUCTION INDICATED ON THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE RHODE ISLAND STATE BUILDING CODE, ALL FEDERAL AND MUNICIPAL BUILDING CODES, AND THE SPECIFICATIONS INCLUDED IN THIS CONTRACT. THESE PLANS ARE INCOMPLETE UNLESS ACCOMPANIED BY THE SPECIFICATIONS INCLUDED IN THE CONTRACT DOCUMENTS.
3. THE BASE PLAN WAS DEVELOPED BASED UPON PLAN ENTITLED "EXISTING CONDITIONS AND TOPOGRAPHY PLAN ROGER WHEELER STATE BEACH" PREPARED BY NARRAGANSETT ENGINEERING INC. OF PORTSMOUTH, RI DATED MARCH 2021. ANY DISCREPANCIES ON THESE PLANS WITH REGARD TO DIMENSIONS OR CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PORTION OF WORK.
4. HORIZONTAL DATUM: RHODE ISLAND STATE PLANE – NAD83
VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVDB88) AS ESTABLISHED BY NOS TIDAL BENCH MARK
5. INFORMATION REGARDING THE LOCATION OF SURROUNDING STRUCTURES AND UTILITIES IS FURNISHED SOLELY FOR THE CONVENIENCE OF THE CONTRACTOR AND SHALL BE FIELD VERIFIED. THE CONTRACTOR SHALL CONDUCT ITS OWN INDEPENDENT EXAMINATION OF SITE CONDITIONS FOR THE PURPOSE OF BIDDING, FABRICATION, AND CONSTRUCTION ASSOCIATED WITH THE PROJECT. ANY RELIANCE UPON INFORMATION MADE AVAILABLE BY THE OWNER OR THE ENGINEER SHALL BE AT THE CONTRACTOR'S RISK.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS. PLANS SHALL NOT BE SCALED FOR DIMENSIONS.
7. CONSTRUCTION SHALL BE MADE FROM APPROVED SHOP DRAWINGS ONLY.
8. NOTES, TYPICAL DETAILS, AND SCHEDULES APPLY TO ALL WORK UNLESS OTHERWISE NOTED. FOR CONDITIONS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS OF SIMILAR NATURE. VERIFY APPLICABILITY BY SUBMITTING SHOP DRAWINGS FOR REVIEW.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL PROJECT DEMOLITION AND EXCESS MATERIAL IN ACCORDANCE WITH RHODE ISLAND, LOCAL, AND FEDERAL LAWS.
10. THE CONTRACTOR SHALL PROTECT ALL ADJACENT STRUCTURES AND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ALL DAMAGE TO ADJACENT STRUCTURES AND UTILITIES AT NO ADDITIONAL COST TO THE OWNER.
11. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL VISIT THE SITE AND SHALL NOTIFY THE ENGINEER OF ANY ADDITIONAL UTILITIES, STRUCTURES, OR ANY OTHER ELEMENTS WHICH MAY IMPEDE WORK. UTILITY AND/OR STRUCTURE RELOCATIONS, IF NECESSARY, SHALL BE COORDINATED THROUGH THE OWNER'S ENGINEER.
12. THE LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE LATEST AVAILABLE INFORMATION. THE UTILITY LOCATIONS ARE APPROXIMATE AND MAY NOT BE ALL INCLUSIVE. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-DIG-SAFE TO ACCURATELY LOCATE ALL EXISTING UTILITIES, BOTH OVERHEAD AND UNDERGROUND, 72 HOURS PRIOR TO COMMENCING WORK. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. COSTS OF SUCH DAMAGE SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO EXCAVATION SHALL COMMENCE UNTIL ALL INVOLVED UTILITY COMPANIES AND/OR TOWN WHOSE FACILITIES MIGHT BE AFFECTED BY ANY WORK TO BE PERFORMED BY THE CONTRACTOR ARE PROPERLY NOTIFIED.
13. THE CONTRACTOR SHALL FOLLOW ALL OSHA, FEDERAL, STATE, AND LOCAL STANDARDS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL SITE SAFETY PROCEDURES AND PRACTICES REGARDLESS OF THE PRESENCE OF THE OWNER OR ENGINEER.
14. ALL CONSTRUCTION ACTIVITIES SHALL BE CONFINED TO THE LIMITS OF WORK AND TEMPORARY EASEMENTS DEFINED HEREIN.
15. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A CONSTRUCTION SCHEDULE TO THE OWNER WITHIN 5 DAYS OF THE NOTICE OF AWARD. THE CONTRACTOR SHALL UPDATE SCHEDULE AS NEEDED THROUGHOUT THE COURSE OF WORK.
16. THE CONTRACTOR SHALL STAGE ALL EQUIPMENT IN THE DESIGNATED STAGING AREA. ALL GREASING AND REFUELING ACTIVITIES SHALL OCCUR IN THE STAGING AREA. ALL NECESSARY MEASURES SHALL BE TAKEN TO PREVENT BY ANY METHOD, OIL, CONSTRUCTION DEBRIS, STOCKPILED MATERIALS, AND OTHER MATERIALS ON THE SITE, FROM ENTERING THE WATERWAY. STAGING/LAYDOWN AREAS, AS APPROVED BY THE ENGINEER, SHALL BE RESTORED BY THE CONTRACTOR TO THE EXISTING CONDITION. IN ADDITION, THE CONTRACTOR SHALL REPLACE ALL DAMAGED MATERIALS AS A RESULT OF HIS OPERATIONS, TO THE SATISFACTION OF THE ENGINEER.
17. THE CONTRACTOR SHALL MAINTAIN A SECURE SITE AND PROVIDE APPROPRIATE SAFETY MEASURES TO PREVENT ACCIDENTS. THE SAFETY MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO SIGNAGE, BARRICADES, FENCES, FLASHING WARNING LIGHTS, AND POLICING IF NECESSARY.
18. IN CASE OF CONFLICT BETWEEN THE DRAWINGS, THE SPECIFICATIONS, AND THE CODES, OR IF ANY CHANGE IS REQUIRED, THE CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY. NO CHANGE SHALL BE MADE WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
19. UPON COMPLETION OF THE PROJECT, CONTRACTOR IS TO PROVIDE A POST CONSTRUCTION SURVEY AND TWO AS-BUILT PLAN SETS TO THE OWNER DEPICTING ANY FIELD CHANGES OF DIMENSION OR DETAIL, LOCATION OF UNDERGROUND STRUCTURES AND/OR UTILITIES, CONSTRUCTION DEVIATIONS, CHANGES DUE TO FIELD OR CHANGE ORDER, AND DETAILS NOT ON THE ORIGINAL DRAWINGS.
20. NO WORK SHALL BE COMPLETED UNTIL EACH OF THE FOLLOWING CONDITIONS ARE MET:
- * RIDGES PERMIT IS RECEIVED FROM RIDEM
 - * NOTICE OF ASSENT IS RECEIVED FROM CRMC
 - * THE OWNER DIRECTS THE WORK TO BE COMPLETED
21. CONTRACTOR SHALL PROVIDE A TRAFFIC MANAGEMENT PLAN FOR THE PROPOSED WORK.

DEMOLITION NOTES:

1. ALL DEMOLITION SHALL BE COORDINATED WITH THE OWNER PRIOR TO START OF WORK.
2. THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION OF STRUCTURES, PAVEMENT AND CONCRETE MATERIALS, AND UTILITIES WITH APPROPRIATE PROPOSED SITE GENERAL, GRADING, UTILITY, AND LANDSCAPE DRAWINGS.
3. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO ANY DEMOLITION OR CONSTRUCTION. ANY DISCREPANCIES RELATING TO THE DRAWINGS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
4. ALL NOTED UTILITIES TO BE REMOVED AND DISPOSED OF, RELOCATED OR CAPPED REPRESENT ALL KNOWN SITE CONDITIONS TO BE DEMOLISHED. CONTRACTOR TO COORDINATE ALL UNFORESEEN CONDITIONS WITH THE OWNER, ENGINEER, AND/OR RESPECTIVE UTILITY COMPANIES PRIOR TO PROCEEDING WITH WORK.
5. CONTRACTOR TO BE AWARE OF SELECTIVE DEMOLITION AT ALL SECTIONS OF WORK. CONTRACTOR WILL BE RESPONSIBLE FOR REPLACEMENT IN-KIND OF ALL WORK INADVERTENTLY REMOVED AT NO ADDITIONAL COST TO THE OWNER.
6. THE CONTRACTOR SHALL REMOVE ITEMS TO BE DEMOLISHED AS INDICATED ON THE DRAWINGS WITH CARE AND NOT TO DAMAGE ADJACENT STRUCTURES. THE WORK AREA WILL BE LEFT READY TO RECEIVE NEW WORK.
7. WATER, SEWER, DRAINAGE, GAS, AND OTHER SITE UTILITIES SERVICING THE EXISTING FACILITIES ARE TO REMAIN ACTIVE THROUGHOUT CONSTRUCTION. THERE SHALL BE NO INTERRUPTION OF UTILITY SERVICE DURING CONSTRUCTION OPERATIONS WITHOUT APPROVAL FROM THE OWNER.
8. ALL UTILITIES REMOVED FROM THE SITE SHALL BE CUT AND CAPPED AT THE LIMIT OF DISTURBANCE UNLESS OTHERWISE NOTED.
9. PAVEMENT DEMOLITION SHALL BE SAWCUT AND DISPOSED OF PROPERLY.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OFFSITE DISPOSAL OF ALL PROJECT DEMOLITION MATERIAL, TRASH, AND DEBRIS IN ACCORDANCE WITH LOCAL AND STATE LAWS.
11. REFER TO SPECIFICATION SECTION 02100-"DEMOLITION AND REMOVAL" FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

EROSION CONTROL NOTES:

1. THE CONTRACTOR AND RELEVANT SUBCONTRACTORS SHALL READ AND UNDERSTAND THE RICRMC ASSENT PERMIT AND THE SITE SPECIFIC SOIL EROSION AND SEDIMENT CONTROL PLAN (SESC) PREPARED FOR THE PROJECT. ALL EROSION CONTROL SHALL BE IN ACCORDANCE WITH THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST REVISION.
2. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE CONDITIONS ISSUED FOR THE PROJECT BY RICRMC AND BE RESPONSIBLE FOR CONFORMANCE WITH ALL PERMIT REQUIREMENTS AND CONSTRUCTION DOCUMENTS.
3. SOIL EROSION AND SEDIMENTATION CONTROLS SHALL BE PROVIDED IN ACCORDANCE WITH THE "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK", AND THE NOTES AND DETAILS SHOWN IN THIS PLAN SET.
4. THE CONTRACTOR SHALL SCHEDULE HIS/HER WORK TO ALLOW THE FINISHED SUBGRADE ELEVATIONS TO DRAIN PROPERLY WITHOUT PONDING. SPECIFICALLY, ALLOW WATER TO ESCAPE WHERE PROPOSED CURB MAY RETAIN RUNOFF PRIOR TO APPLICATION OF SURFACE PAVING. PROVIDE TEMPORARY POSITIVE DRAINAGE, AS REQUIRED, TO STABILIZED DISCHARGE POINTS. CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY UTILITY CONNECTIONS.
5. CONTRACTOR SHALL INSTALL AND MAINTAIN ALL EROSION CONTROL DEVICES FOR THE DURATION OF THE PROJECT.
6. CONTRACTOR SHALL PREVENT SEDIMENT FROM ENTERING ANY WATERWAY VIA DISCHARGES THROUGH ANY DRAINAGE STRUCTURES OR RUNOFF FROM WITHIN THE LIMITS OF WORK.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, RESTORING AND REPAIRING ALL DAMAGE AS A RESULT OF UNAUTHORIZED WORK OR DISCHARGES AT NO ADDITIONAL COST TO THE OWNER.
8. THE LIMITS OF EROSION CONTROL BARRIERS SHALL BE MODIFIED OR EXPANDED AS FIELD CONDITIONS WARRANT.
9. ALL EROSION CONTROL BARRIERS SHALL BE INSPECTED AT LEAST ONCE PER WEEK AND AFTER EACH STORM EVENT OF 0.25 INCH OR GREATER. ANY DAMAGED AREAS OF THE EROSION CONTROL BARRIER SHALL BE REPAIRED WITHIN 24 HOURS OF DISCOVERY.
10. DISCHARGE OF TURBID WATER TO ANY WATERWAY IS PROHIBITED.
11. CONSTRUCTION SITE WASTE MATERIALS SHALL BE PROPERLY CONTAINED ONSITE AND DISPOSED OFF SITE IN ACCORDANCE WITH ALL APPLICABLE LOCAL AND STATE REGULATIONS.
12. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS OF COMPLETION OF WORK IN THAT AREA. THE CONTRACTOR SHALL NOT REMOVE ANY STRAW BALES, SILT FENCE OR OTHER EROSION CONTROLS UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED.
13. ALL ON-SITE AND OFF-SITE DRAINAGE STRUCTURES AND PIPING SHALL BE JETTED AND CLEANED UPON COMPLETION OF THE SITE WORK.

SPILL PREVENTION AND CONTROL NOTES:

1. SPILLS AND LEAKS SHALL BE AVOIDED THROUGH FREQUENT INSPECTION OF EQUIPMENT AND MATERIAL STORAGE AREAS, AND SHALL BE REMEDIATED AND REPAIRED AS NECESSARY.
2. HAZARDOUS MATERIAL STORAGE TO BE PLACED ONLY IN DESIGNATED AREAS. MATERIAL STORAGE AREAS SHALL BE ROUTINELY INSPECTED FOR LEAKY CONTAINERS, OPEN CONTAINERS, OR IMPROPER STORAGE TECHNIQUES THAT MAY LEAD TO SPILLS OR LEAKS.
3. APPROPRIATE SPILL REMEDIATION PROCEDURES AND SUPPLIES SHALL BE READILY AVAILABLE ON-SITE. TOOLS AND SUPPLIES SHALL BE CLEARLY MARKED SO THAT ALL PERSONNEL CAN LOCATE AND ACCESS THESE SUPPLIES.
4. SPILL REMEDIATION SHALL BE PERFORMED IMMEDIATELY. CONTRACTOR SHALL FOLLOW PROPER RESPONSE PROCEDURES IN ACCORDANCE WITH ANY APPLICABLE REGULATORY REQUIREMENTS.
5. AT NO TIME SHALL SPILLS BE DIVERTED TOWARD STORM DRAINS OR TO ANY WATERWAY.
6. EQUIPMENT/VEHICLE FUELING AND REPAIR/MAINTENANCE OPERATIONS SHALL TAKE PLACE ONLY WITHIN DESIGNATED STAGING AREAS.
7. THE EQUIPMENT OPERATOR SHALL FULLY MONITOR FUELING OPERATIONS TO EQUIPMENT AND VEHICLES AT ALL TIMES.
8. ANY SPILLAGE SHALL BE IMMEDIATELY CLEANED WITH SPILL KITS KEPT ON SITE.
9. IN THE CASE OF SMALL AMOUNTS OF SOIL CONTAMINATION, SUCH SOIL SHALL BE PLACED IN 55 GALLON DRUMS FOR DISPOSAL BY A LICENSED HAZARDOUS WASTE HAULER.
10. IN THE CASE OF A LARGE AMOUNT OF SOIL CONTAMINATION OR DISCHARGE TO THE WATERWAY, RHODE ISLAND DEM AND APPLICABLE AGENCIES SHALL BE NOTIFIED AS REQUIRED. A HAZARDOUS WASTE REMEDIATION FIRM SHALL BE CONTRACTED TO REMOVE AND DISPOSE OF THE CONTAMINATED MATERIAL OR CONTAIN THE SPILL AT NO ADDITIONAL COST.

GRADING AND UTILITY NOTES

1. ALL EXISTING CONDITIONS SHOWN SHALL BE CONSIDERED APPROXIMATE AND ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED. NO FIELD ADJUSTMENTS IN THE LOCATION OF SITE ELEMENTS SHALL BE MADE WITHOUT THE ENGINEERS APPROVAL.
2. ALL WORK PERFORMED AND ALL MATERIALS FURNISHED SHALL CONFORM WITH THE LINES AND GRADES ON THE PLANS AND SITE WORK SPECIFICATIONS, UNLESS OTHERWISE DIRECTED.
3. AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT AND CURBS SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS.
4. ALL EXISTING AND PROPOSED UTILITY COVERS, GRATES, ETC. SHALL BE ADJUSTED TO BE FLUSH WITH THE SURROUNDING SURFACE OR PAVEMENT FINISH GRADE OF THIS CONTRACT. RIM ELEVATIONS OF STRUCTURES AND MANHOLES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH THE PROPOSED FINAL GRADES.
5. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION OF PRIVATE UTILITIES BY THE UTILITY COMPANIES, AS REQUIRED, INCLUDING OBTAINING ALL PERMITS. ALL COSTS AND FEES BY PRIVATE UTILITY COMPANIES TO BRING SERVICE TO THE SITE SHALL BE PAID FOR BY THE CONTRACTOR.
6. THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND DRAINAGE, SEWER AND UTILITY FACILITIES FROM EXCESSIVE VEHICULAR LOADS DURING CONSTRUCTION. ANY DAMAGE TO THESE FACILITIES RESULTING FROM CONSTRUCTION LOADS WILL BE RESTORED TO ORIGINAL CONDITION AT NO COST TO THE OWNER.
7. DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES BY PROVIDING TEMPORARY SUPPORTS OR SHEETING AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
8. SITE GRADES SHALL CONFORM WITH ADA REQUIREMENTS.
9. CONTRACTOR IS REQUIRED TO APPLY FOR, OBTAIN, AND PAY ALL FEES ASSOCIATED WITH CONSTRUCTION PHASE PERMITS. PERMITS MAY INCLUDE, BUT NOT LIMITED TO:
- RHODE ISLAND STATE BUILDING OFFICIAL
 - TOWN OF NARRAGANSETT DEPARTMENT OF PUBLIC WORKS PERMITS

TIMBER NOTES

1. ALL NEW LUMBER SHALL BE SOUTHERN YELLOW PINE, VISUALLY GRADED NO. 1 (F_e=1,350 PSI), UNLESS SPECIFIED OTHERWISE.
2. NEW LUMBER SHALL BE PRESSURE TREATED IN ACCORDANCE WITH AWPFA STANDARD U1-11, UC3B WHEN NOT IN CONTACT WITH GROUND, UC4B FOR GROUND CONTACT, PERMANENT, OR INCIDENTAL.
3. ALL FIELD CUTS AND BOLT HOLES SHALL BE PROTECTED IN ACCORDANCE WITH AWPFA STANDARD M4.
4. LUMBER DIMENSIONS PROVIDED IN THE PLANS ARE DRESSED SIZES UNLESS SPECIFIED OTHERWISE.

CONCRETE NOTES

1. CONCRETE WORK SHALL CONFORM TO THE LATEST EDITION OF ACI 318 – "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND THE RHODE ISLAND STATE BUILDING CODE.

2. CONCRETE SHALL BE PLACED UNDER THE SUPERVISION OF THE APPROVED TESTING AGENCY.
3. CONCRETE SHALL BE NORMAL WEIGHT, WITH TYPE II CEMENT, AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 5,000 PSI-TYPICAL. ALL CONCRETE DESIGN MIXES SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.
4. ALL CONCRETE SHALL BE AIR-ENTRAINED WITH AN AIR CONTENT OF 6% +/- 1%.
5. ALL EXPOSED EDGES SHALL BE CHAMFERED 3" x 45 DEGREES UNLESS NOTED OTHERWISE.
6. WHEN CONCRETE IS PLACED AGAINST PREVIOUSLY HARDENED CONCRETE, THE INTERFACE SHALL BE CLEAN, FREE OF LAITANCE AND INTENTIONALLY ROUGHENED OR RAKED TO FULL AMPLITUDE OF APPROXIMATELY 1/4 INCH.
7. CONCRETE WASHOUT OPERATIONS TO OR WITHIN THE WATERWAY MUST NOT TAKE PLACE AT ANY TIME.

REINFORCING STEEL NOTES

1. REINFORCING BARS SHALL BE DETAILED IN ACCORDANCE WITH ACI 315 – "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" AND THE RHODE ISLAND STATE BUILDING CODE.
2. COMPLETE SHOP DRAWINGS AND SCHEDULES OF ALL REINFORCING STEEL SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF THAT PORTION OF THE WORK. ALL ACCESSORIES MUST BE SHOWN ON THE SHOP DRAWINGS.
3. REINFORCING BARS SHALL BE EPOXY COATED AND CONFORM TO ASTM A615 OR A706 (WELDABLE) GRADE 60.
4. ALL SUPPORTS SUCH AS CHAIRS, BOLSTERS, SPACERS, BLOCKS AND HANGERS SHALL BE OF NON-CORROSIVE MATERIAL. BLOCKS SHALL BE MADE OF 4,000 PSI (UN-REINFORCED) CONCRETE.
5. UNLESS NOTED ON THE DRAWINGS, THE MINIMUM CONCRETE PROTECTION (CLEAR COVER) FOR CAST-IN-PLACE CONCRETE COVER SHALL BE AS FOLLOWS:
- A. FORMED CONCRETE EXPOSED TO EARTH OR WATER: 3"
- B. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 4"
6. MINIMUM REINFORCEMENT DEVELOPMENT LENGTH SHALL BE IN ACCORDANCE WITH ACI 318 FOR CLASS B LAPS UNLESS NOTED OTHERWISE.
7. ALL REINFORCEMENT SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS, AROUND CORNERS, AND LAPPED AT NECESSARY SPLICES OR HOOKED AT DISCONTINUOUS ENDS.

PRESTRESSED CONCRETE PILES

1. ALL REINFORCEMENT SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS, AROUND CORNERS, AND LAPPED AT NECESSARY SPLICES OR HOOKED AT DISCONTINUOUS ENDS.
- STRUCTURAL DEEP FOUNDATION (PILING) DESIGN IS BASED UPON THE USE OF PILES WITH THE FOLLOWING CAPACITIES;
- PRESTRESSED CONCRETE:
VERTICAL COMPRESSIVE = 27 KIPS
LATERAL = 55PSF (US), ACTING CONCURRENTLY WITH EITHER LOAD ABOVE
ALL LOADS ARE APPLIED AT THE TOP OF THE PILE, UNLESS NOTED OTHERWISE.
- THIS WILL REQUIRE PRESTRESSED CONCRETE PILES WITH THE FOLLOWING PROPERTIES;
12" PRESTRESSED CONCRETE PILE = (76) 35'-0"
16" PRESTRESSED CONCRETE PILE = (88) 35'-0"
2. ALL PRESTRESSED PILES WILL BE SUBMITTED FOR REVIEW AND APPROVAL BY THE ENGINEER OF RECORD, TO INCLUDE CALCULATIONS EXECUTED BY A LICENSED PROFESSIONAL ENGINEER, IN ACCORDANCE WITH THE LOAD REQUIREMENTS LISTED IN THIS NOTE. REFER TO THE SUBSURFACE INVESTIGATION BORING LONGS BY PARE CORPORATION, PROJECT NUMBER 19131.00, DATED BETWEEN JANUARY 15 2020 AND JANUARY 16 2020 FOR ADDITIONAL INFORMATION.
3. PILING IS TO BE HANDLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, SUCH THAT NO DAMAGE IS INCURRED.
4. PILING DESIGN IS TO INCLUDE LONGITUDINAL STRANDS WHICH WILL DEVELOP THE SPECIFIED CAPACITIES. SPIRAL WIRE REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A82, BE A MINIMUM OF 5 GAGE, AND SHALL HAVE A MINIMUM YIELD STRENGTH OF 70 KSI
5. PILES SHALL BE DRIVEN BY A SINGLE OR DOUBLE ACTING STEAM, DIESEL, OR AIR HAMMER WITH A MINIMUM OF 15,000 FT-LBS OF ENERGY. LEADS SHALL BE FIXED TO THE BOOM AT THE TOP, AND TO THE CRANE AT THE BOTTOM; NO SWINGING LEADS ARE PERMITTED.
6. ONCE PILE DRIVING HAS STARTED, DRIVE ALL PILES CONTINUOUSLY UNTIL THEY ARE AT THE REQUIRED TIP ELEVATION.
7. FINAL PILE LOCATION SHALL BE WITHIN 3" OF THE DESIGN LOCATION.

DESIGN CRITERIA

SNOW LOADS (IBC SECT 1608)
SNOW LOAD: P = 30 P/SF

WIND LOADS ASCE 7-16
MEAN ROOF HEIGHT = 16.5 FEET
BASIC WIND SPEED = 121 MPH

FLOOD LOADS (FEMA COASTAL CONSTRUCTION MANUAL FIRMETTE FLOOD ZONE VE
TOTAL BREAKING WAVE LOAD = 7530 PLF

EARTHQUAKE LOADS (IBC SECT. 1614)
MAPPED ACCELERATIONS: S_S = 0.164g s
S_{L1} = 0.058g 1

SITE CLASS D, F_a = 1.0 S_{MS} = 0.262g
F_v = 2.4 S_{M1} = 0.140g

DESIGN SPECTRAL RESPONSE ACCELERATIONS AT 5% DAMPENING, S_{DS} = 0.175g
S_{D1} = 0.093g

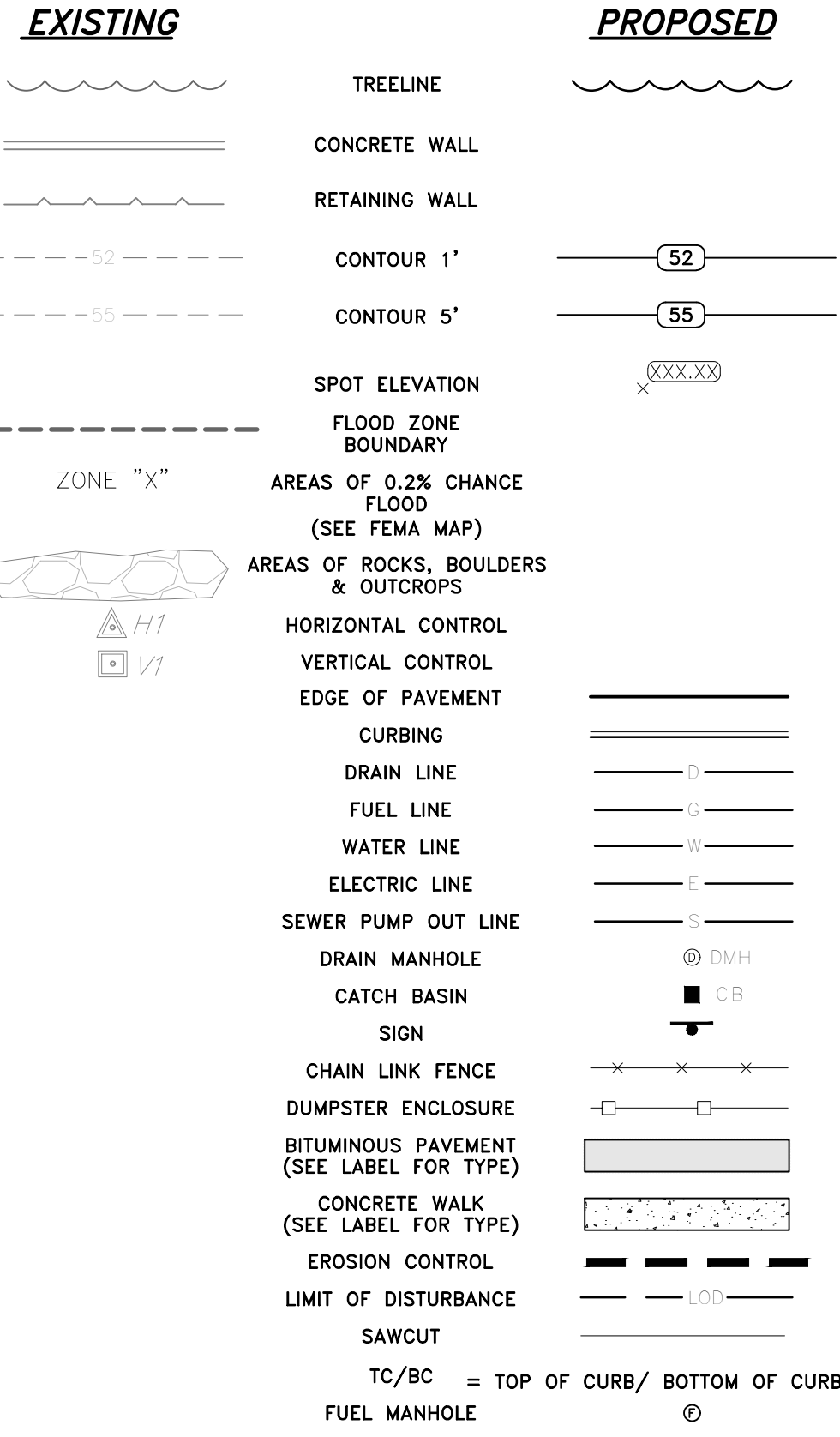
D1 GENERAL DESIGN RESPONSE SPECTRAL ACCELERATION, PGA = 0.158g
8. SEISMIC DESIGN CATEGORY B

ABBREVIATIONS

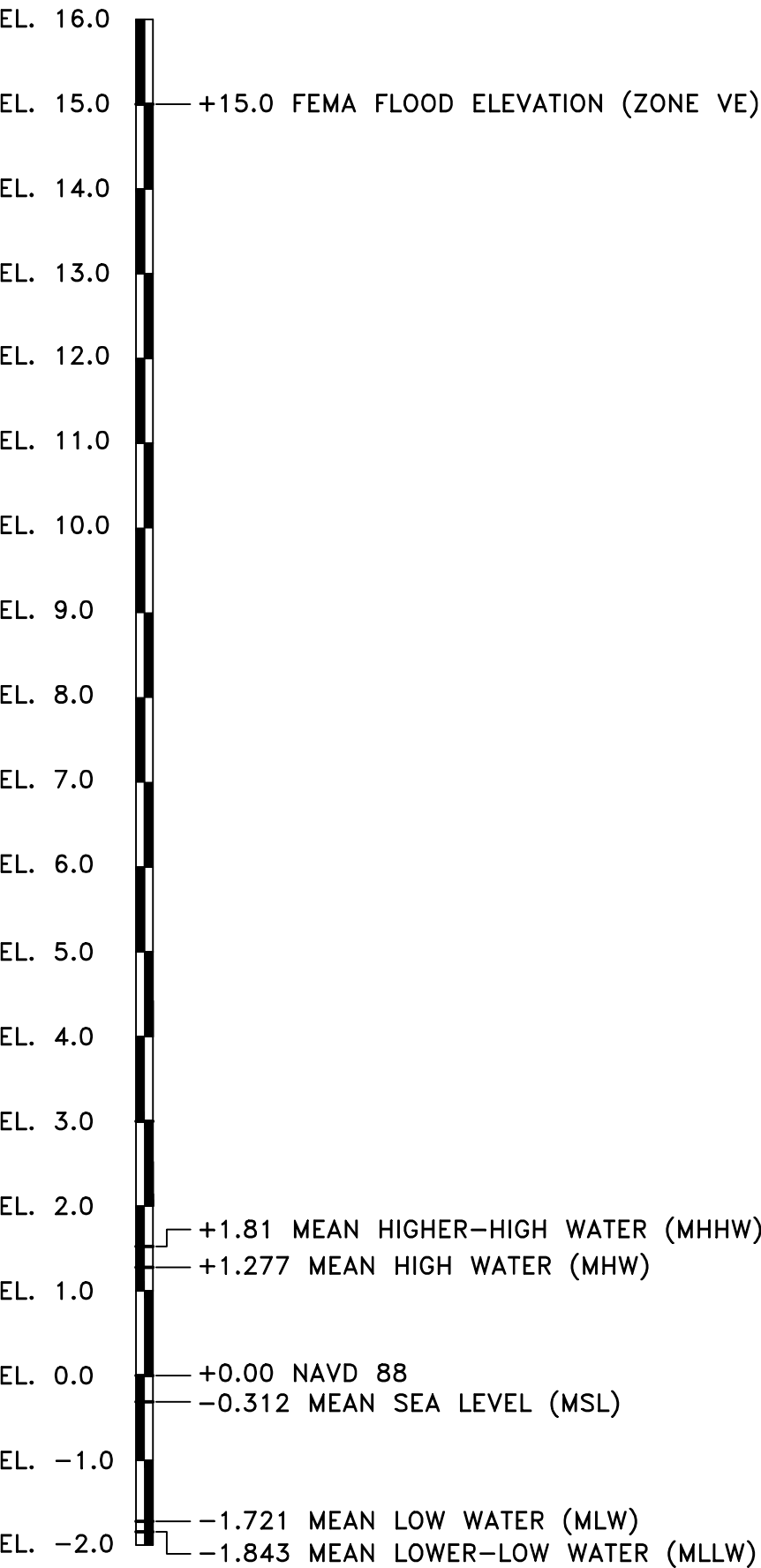
- BCP = BITUMINOUS CONCRETE PAVEMENT
- CM = SAWCUT AND MATCH EXISTING GRADES
- CW = CEMENT CONCRETE SIDEWALK (STANDARD)
- GV = GATE VALVE (SEE DETAIL)
- JB = SPEAKER JUNCTION BOX
- R&D = REMOVE AND DISPOSE
- SCW = STRIPED CROSS WALK (SEE DETAIL)
- SHP = HANDICAP EPOXY RESIN PAVEMENT MARKING
- SW = 4" SOLID WHITE EPOXY RESIN PAVEMENT MARKING
- SW12 = 12" SOLID WHITE EPOXY RESIN PAVEMENT MARKING
- TIP = TEMPORARY INLET PROTECTION
- 7.1.0 = R.I. STD. CONCRETE CURB DETAIL
- 9.9.0 = R.I. STD. CONSTRUCTION ACCESS DETAIL
- 43.1.0 = R.I. STD. CEMENT CONCRETE SIDEWALK DETAIL
- 43.3.0 = R.I. STD. WHEELCHAIR RAMP DETAIL

RIDOT STANDARD DETAILS CAN BE FOUND AT THE FOLLOWING WEBSITE:
HTTP://WWW.DOT.RI.GOV/DOCUMENTS/DOINGBUSINESS/BLUEBOOK.PDF

LEGEND



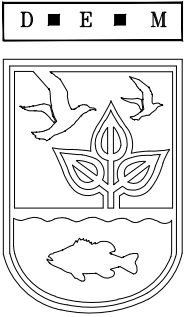
TIDAL REFERENCE



DATUM INFORMATION

NOAA VERTICAL DATUM

90% DESIGN SUBMISSION
NOT FOR CONSTRUCTION



SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

ROGER WHEELER STATE BEACH

BOARDWALK

NARRAGANSETT, RHODE ISLAND

RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT



REVISIONS:

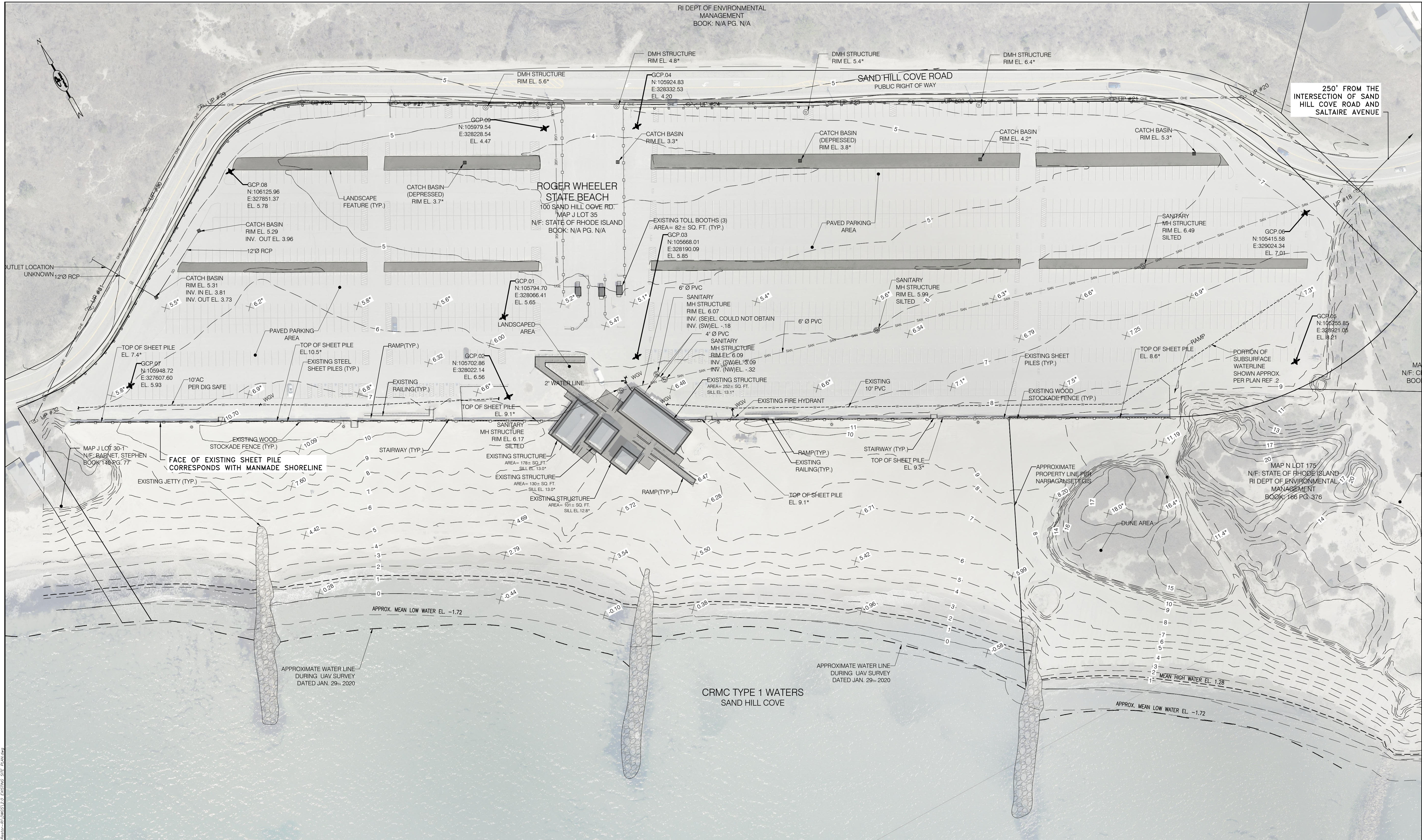
PROJECT NO.: 19131.00
DATE: DECEMBER 2021
SCALE: AS NOTED
DESIGNED BY: KAD
CHECKED BY: BMD
DRAWN BY: LMC
APPROVED BY: JMB

GENERAL NOTES
AND LEGEND

SHEET NO.:

1.0





EXISTING SITE PLAN

SCALE: 1"=60'±

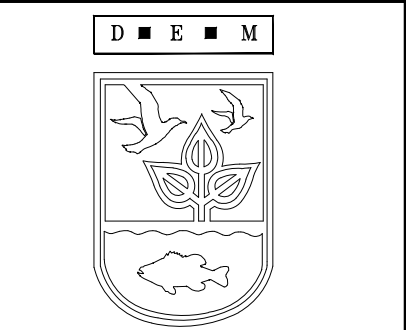
NOTES:

1. EXISTING CONDITIONS BASED UPON PLAN ENTITLED "EXISTING CONDITIONS AND TOPOGRAPHY PLAN ROGER WHEELER STATE BEACH" PREPARED BY NARRAGANSETT ENGINEERING INC. OF PORTSMOUTH, RI DATED MAY 2020.

Scale: 1"=60'



90% DESIGN SUBMISSION
NOT FOR CONSTRUCTION

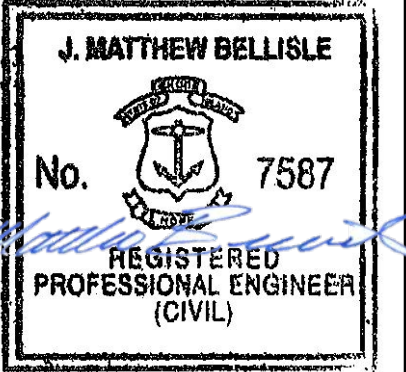


SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

ROGER WHEELER STATE BEACH
BOARDWALK

NARRAGANSETT, RHODE ISLAND

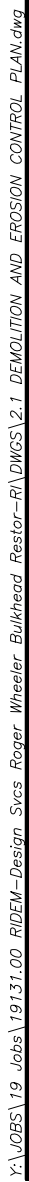
RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT



REVISIONS:	
PROJECT NO.:	19131.00
DATE:	DECEMBER 2021
SCALE:	AS NOTED
DESIGNED BY:	KAD
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APPROVED BY:	JMB



EXISTING SITE PLAN
SHEET NO.:

2.0

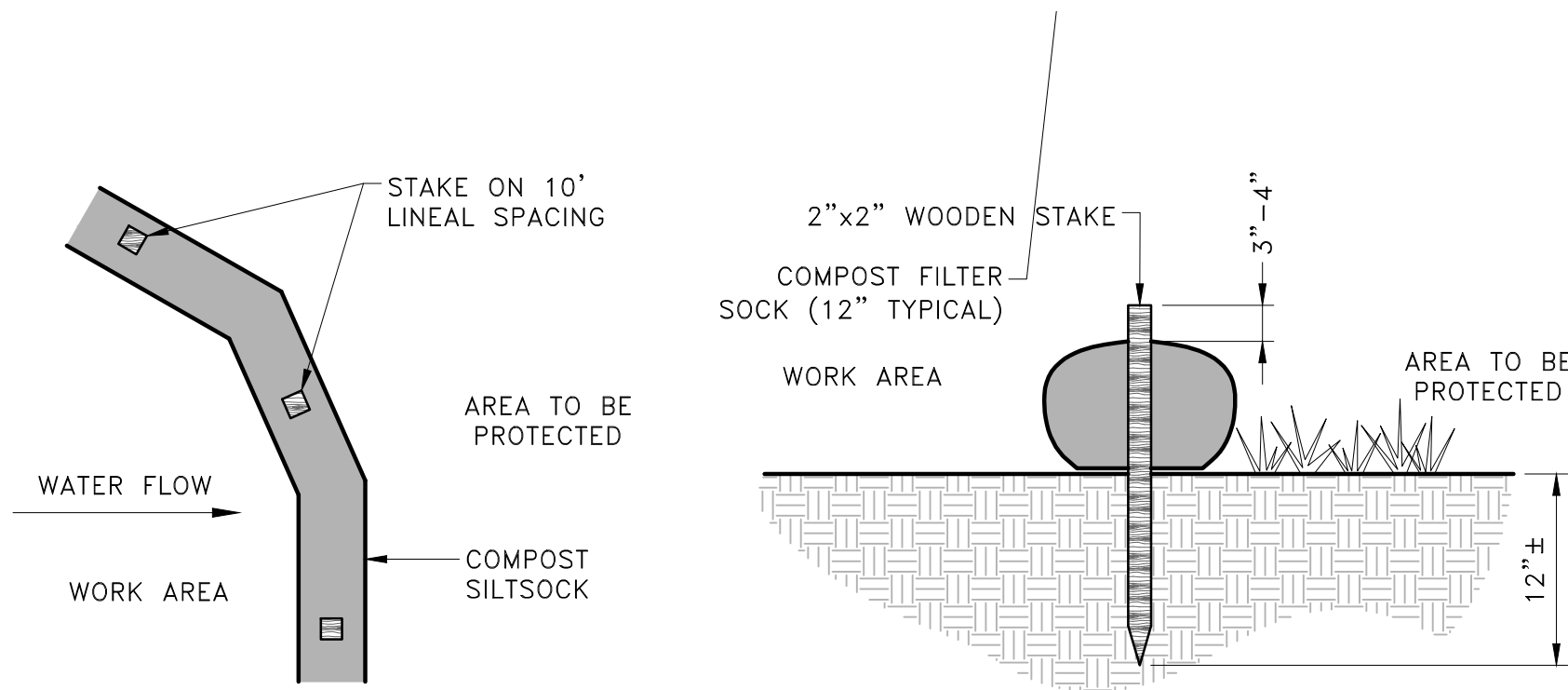


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COASTAL RESOURCES
MANAGEMENT COUNCIL

SCALE: 1"=60'±

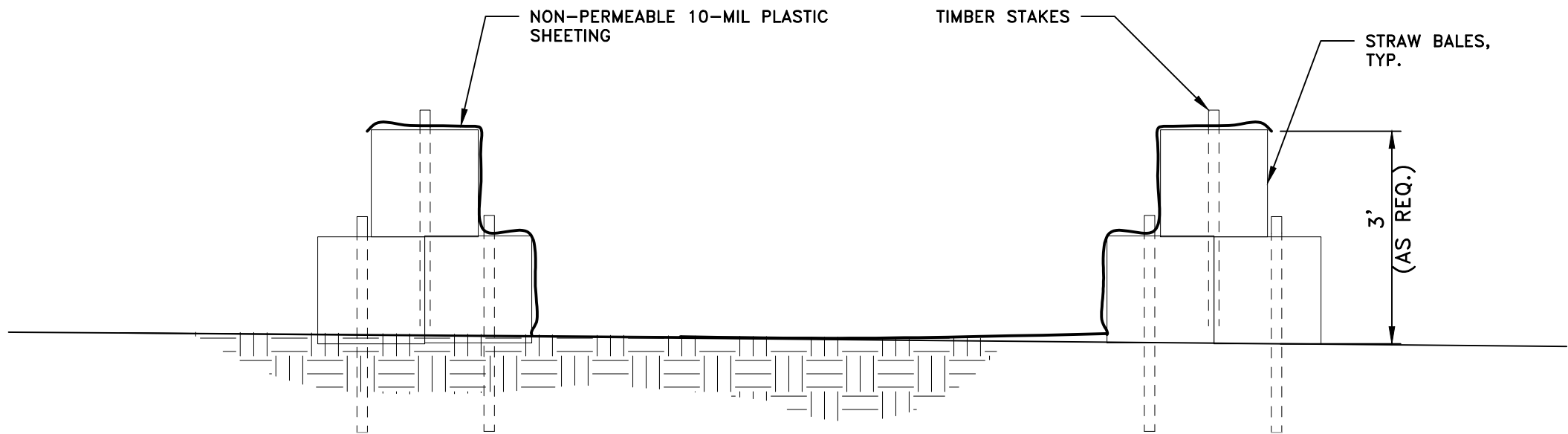
 PARE PARE CORPORATION ENGINEERS - SCIENTISTS - PLANNERS 10 LINCOLN ROAD, SUITE 210 FOXBORO, MA 02035 508-943-1755		
		
SCALE ADJUSTMENT GUIDE 0" 1" BAR IS ONE INCH ON ORIGINAL DRAWING		
<div>ROGER WHEELER STATE BEACH</div> <div>BOARDWALK</div> <div>NARRAGANSETT, RHODE ISLAND</div> <div>RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT</div>		
<div>J. MATTHEW BELLISLE No. 7587 REGISTERED PROFESSIONAL ENGINEER (CIVIL)</div>		
REVISIONS:		
PROJECT NO.:		19131.00
DATE:		DECEMBER 2021
SCALE:		AS NOTED
DESIGNED BY:		KAD
CHECKED BY:		BMD
DRAWN BY:		LMC
APPROVED BY:		JMB
DEMOLITION AND EROSION CONTROL PLAN		
SHEET NO.:		2.1

90% DESIGN SUBMISSION
NOT FOR CONSTRUCTION

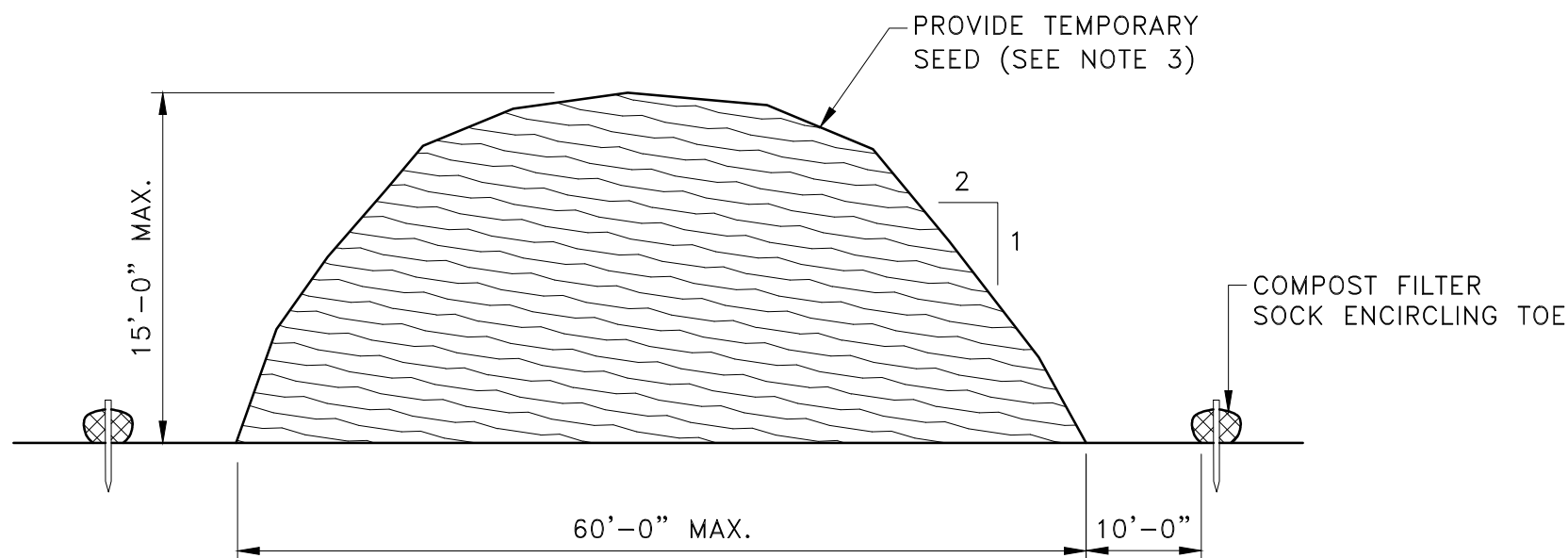


- NOTES:
1. COMPOST/ SOIL/ ROCK/ SEED FILL TO MEET APPLICATION REQUIREMENTS.
 2. COMPOST MATERIAL TO BE REMOVED OR DISPERSED ON SITE AS DETERMINED BY ENGINEER.

COMPOST FILTER SOCK DETAIL
NOT TO SCALE

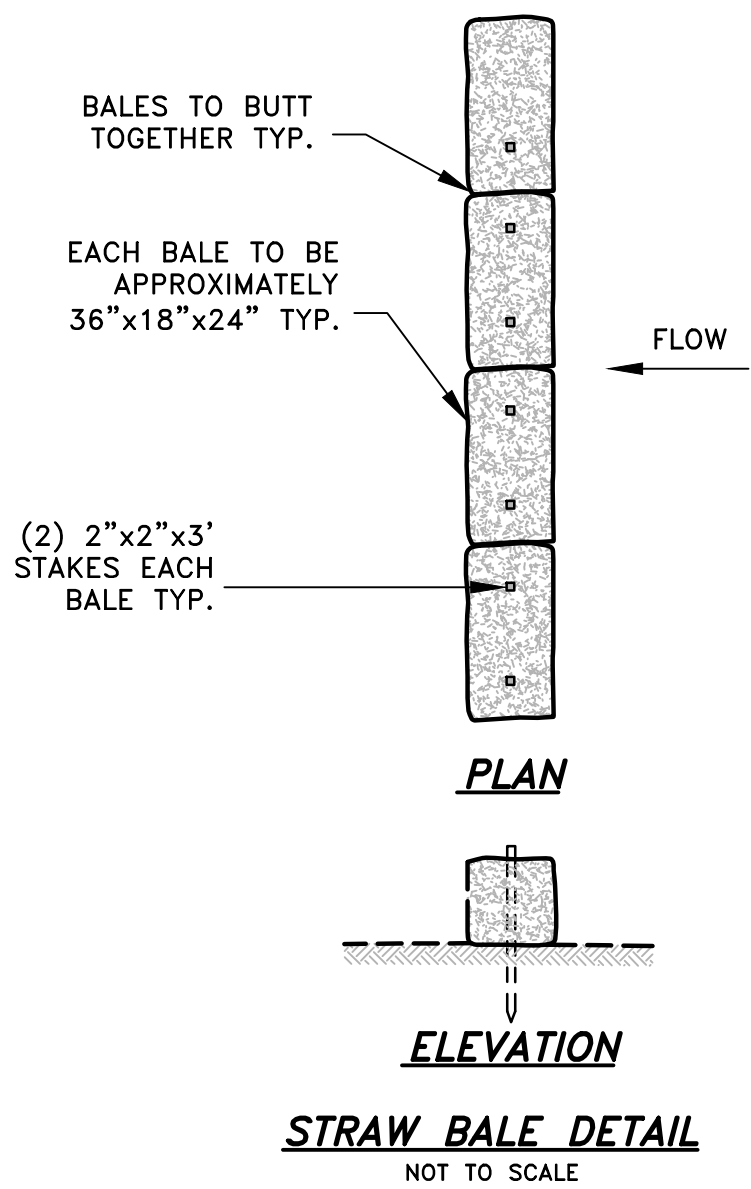


CONCRETE WASHOUT
NOT TO SCALE

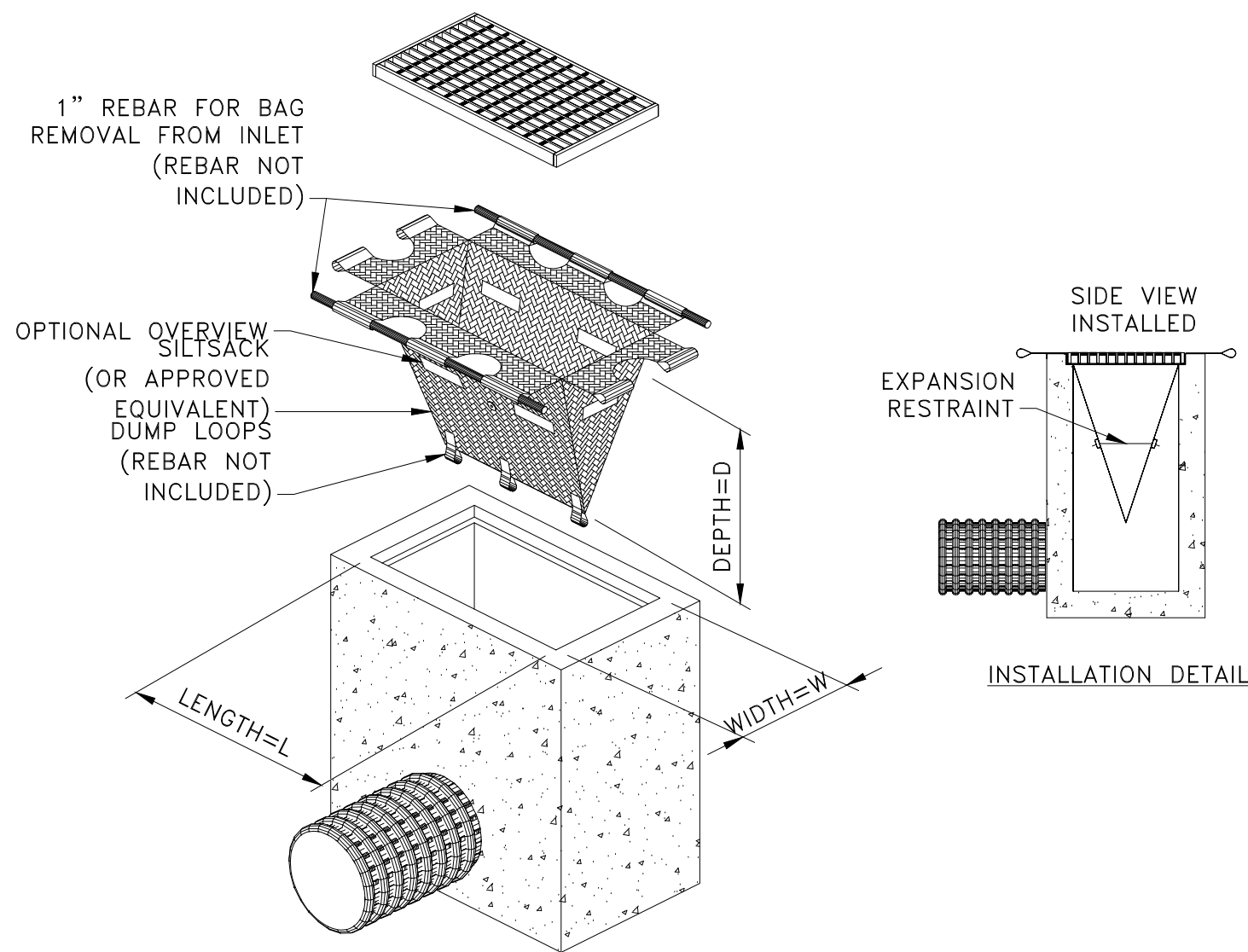


- NOTES:
1. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL PREPARE A PLAN SHOWING THE PROPOSED LOCATION OF ALL STOCKPILE AREAS.
 2. STOCKPILE AREA SHALL NOT EXCEED SPECIFIED DIMENSIONS WITHOUT APPROVAL FROM ENGINEER.
 3. STOCKPILED ERODIBLE MATERIAL THAT WILL NOT BE USED FOR GREATER THAN 14 DAYS SHALL BE STABILIZED WITH TEMPORARY SEED IMMEDIATELY FOLLOWING PLACEMENT. USE RIDOT STD. M.18.10.5 SEED MIX. USE MADOT STD. M.6.03.1 EROSION SEED.

ERODIBLE MATERIAL STOCKPILE
NOT TO SCALE




STRAW BALE DETAIL
NOT TO SCALE

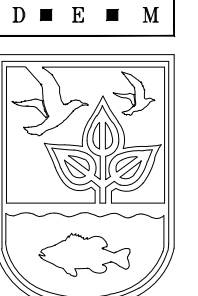


- NOTES:
1. INLET PROTECTION SHALL BE CLEANED OF SILT AND DEBRIS ON A REGULAR BASIS AS REQUIRED BY PROJECT SPECIFIC SWPPP.
 2. INSPECTIONS SHALL BE DONE AFTER EACH RAIN EVENT AND AT A MINIMUM EVERY TWO WEEKS AND AS REQUIRED BY PROJECT SPECIFIC SWPPP.

TIP **TEMPORARY INLET PROTECTION**
NOT TO SCALE



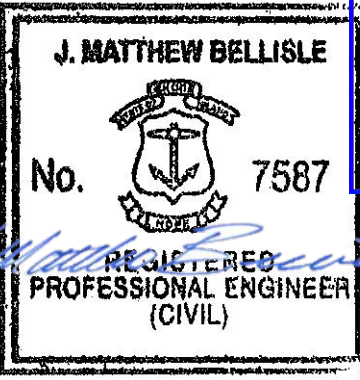
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D E M

SCALE ADJUSTMENT GUIDE
0" 1"
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ROGER WHEELER STATE BEACH
BOARDWALK
NARRAGANSETT, RHODE ISLAND
RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT



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REVISIONS:

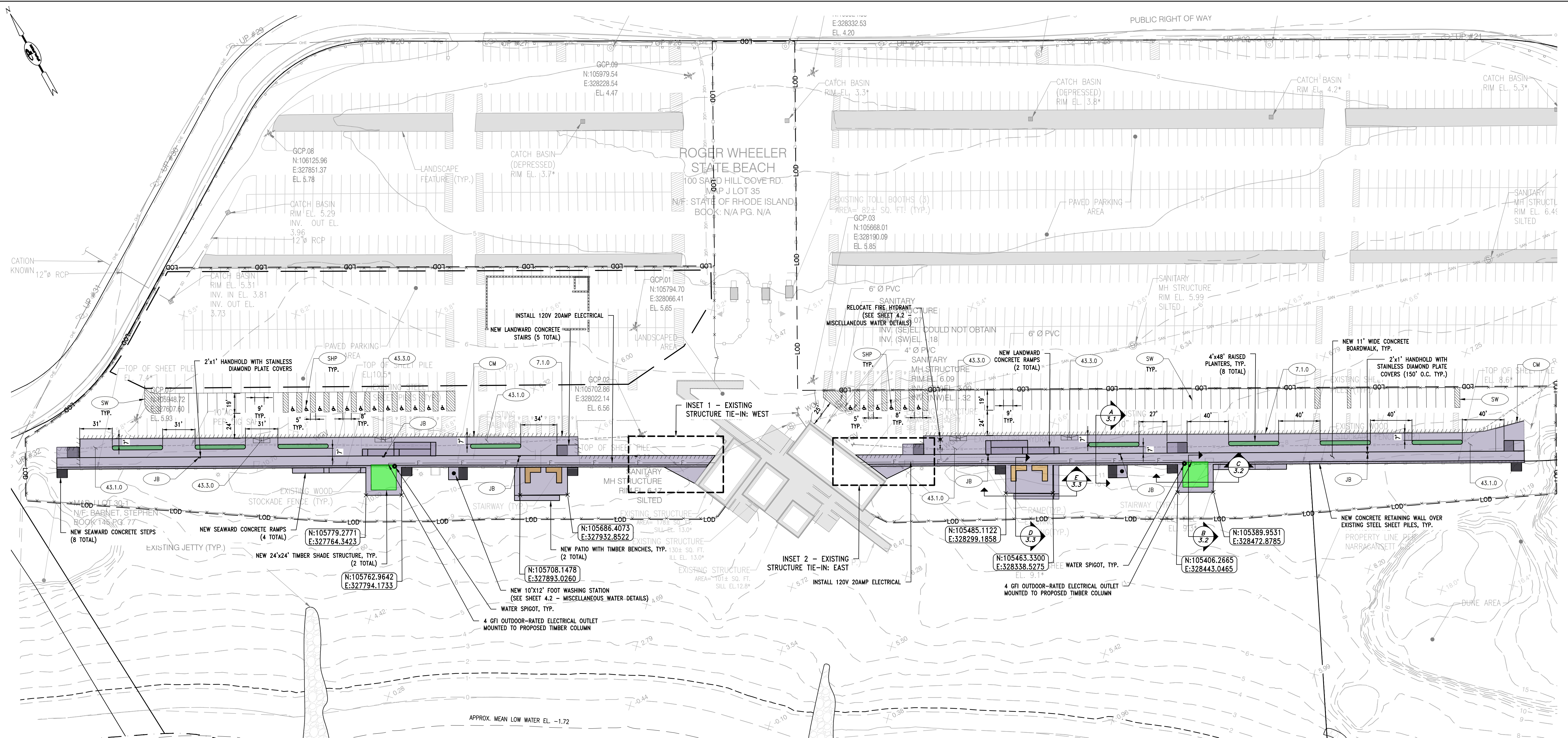
NO.	DESCRIPTION	DATE

PROJECT NO.: 19131.00
DATE: DECEMBER 2021
SCALE: AS NOTED
DESIGNED BY: KAD
CHECKED BY: BMD
DRAWN BY: LMC
APPROVED BY: JMB

EROSION CONTROL DETAILS

SHEET NO.: 2.2

Y:\J065\19 Jobs\19131.00 RDEM-Design Svcs Roger Wheeler Bulkhead Restor-R\DWGS\2.2 Erosion Control Details.dwg

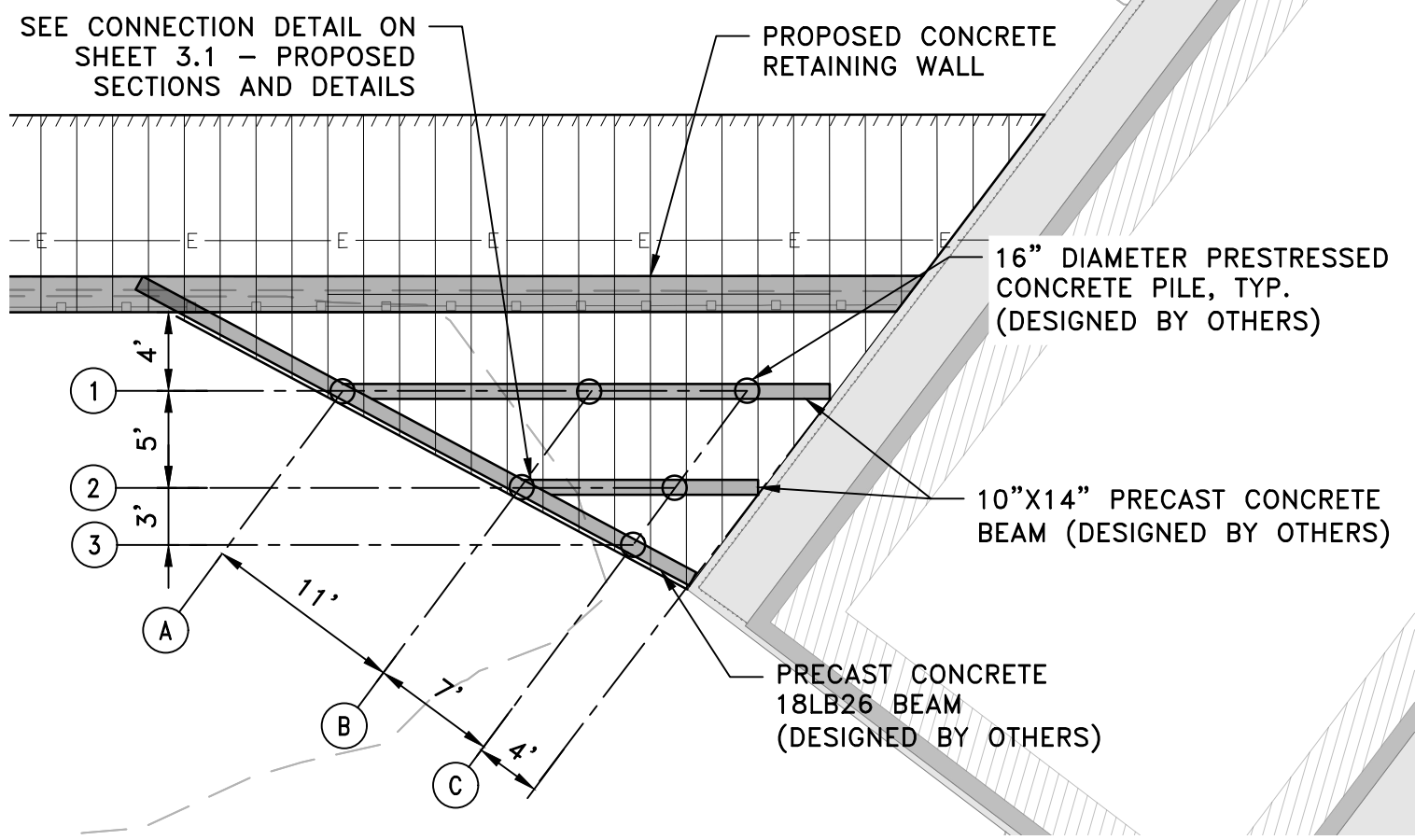


PROPOSED SITE PLAN
SCALE: 1"=50'±

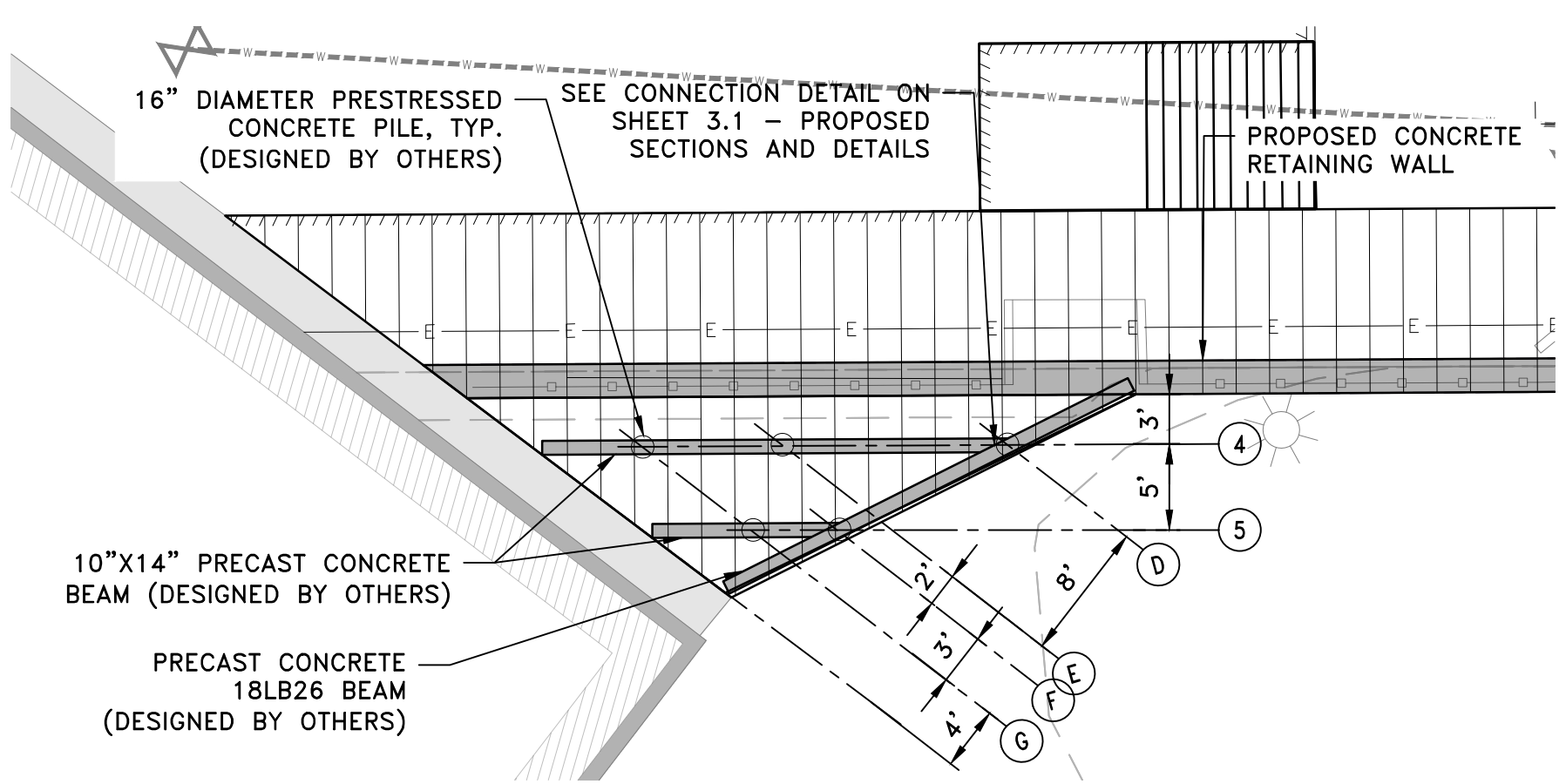
GENERAL SCOPE OF WORK

1. PRIOR TO PROJECT COMMENCEMENT, NOTIFY AND COORDINATE WITH ALL STATE LOCAL AND FEDERAL AUTHORITIES AS REQUIRED.
2. MOBILIZE CONSTRUCTION EQUIPMENT AND PERSONNEL TO THE SITE. INSTALL EROSION CONTROL AND TEMPORARY SECURITY FENCING. UTILIZATION OF A STAGING AREA WILL BE COORDINATED WITH THE OWNER OR ENGINEER AS APPROPRIATE AND NECESSARY. LOCATE/VERIFY EXISTING UTILITIES WITHIN THE PROPOSED AREAS OF WORK. MARK UTILITIES AND MAINTAIN UTILITY MARKS FOR THE DURATION OF THE PROJECT.
3. MOVE EXISTING HYDRANT TO PROPOSED LOCATION.
4. REMOVE AND DISPOSE EXISTING RAMPS AND STAIRS ALONG THE EXISTING STEEL SHEET PILE WALL. SAWCUT AND REMOVE PAVEMENT WITHIN THE AREA OF THE PROPOSED SIDEWALK.
5. CONSTRUCT NEW CONCRETE PIER INCLUDING THE INSTALLATION OF NEW PILES, CONCRETE RETAINING WALL, STRINGERS, DECKING, RAMPS, STAIRS, ALUMINUM FENCING/RAILS, CONCRETE RETAINING WALLS, AND APPURTENANCES.
6. REGRADE AND PLACE CONCRETE SIDEWALK, PLANTINGS, AND CURB ALONG THE PARKING LOT. PAINT OVER EXISTING STRIPING AND PAINT NEW STRIPING/MARKS AS INDICATED ON THE DRAWINGS.
7. PERFORM SITE CLEANUP, RESTORATION, OF STAGING AREAS AS NECESSARY PERFORM FINAL WALK THROUGH WITH KEY PROJECT PERSONNEL UPON COMPLETION.
8. COMPLETE DEMOBILIZATION AND PROJECT CLOSEOUT INCLUDING NEW SITE SURVEY AND AS-BUILT DRAWINGS.

Scale: 1"=50'
0 25' 50' 100'



INSET 1 - EXISTING STRUCTURE TIE-IN: WEST
SCALE: 1"=10'±



INSET 2 - EXISTING STRUCTURE TIE-IN: EAST
SCALE: 1"=10'±

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DEEM

SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

ROGER WHEELER STATE BEACH
BOARDWALK
NARRAGANSETT, RHODE ISLAND
RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

J. MATTHEW BELLISLE
No. 7587
REGISTERED
PROFESSIONAL ENGINEER
(CIVIL)

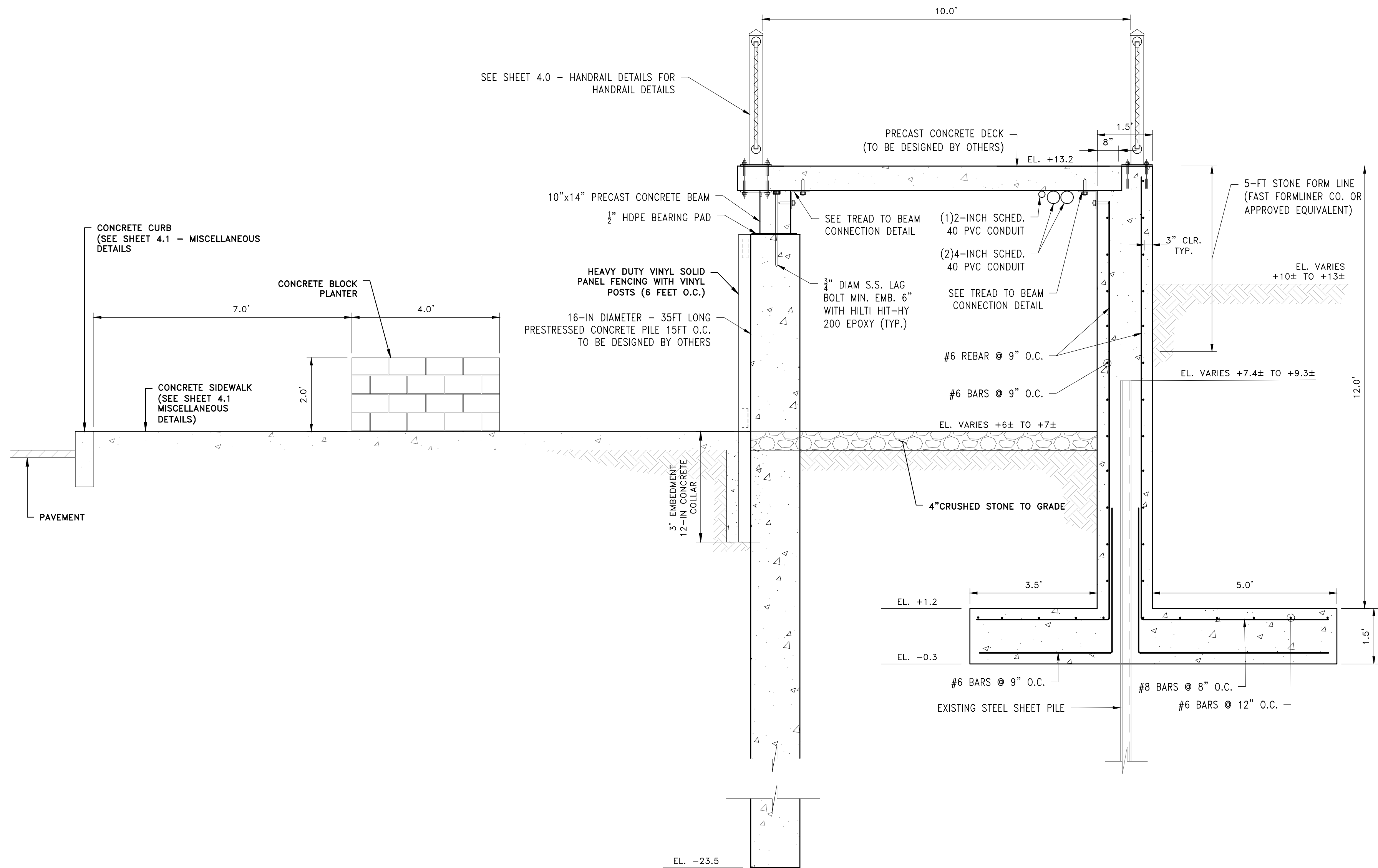
REVISIONS:

NO.	DESCRIPTION	DATE

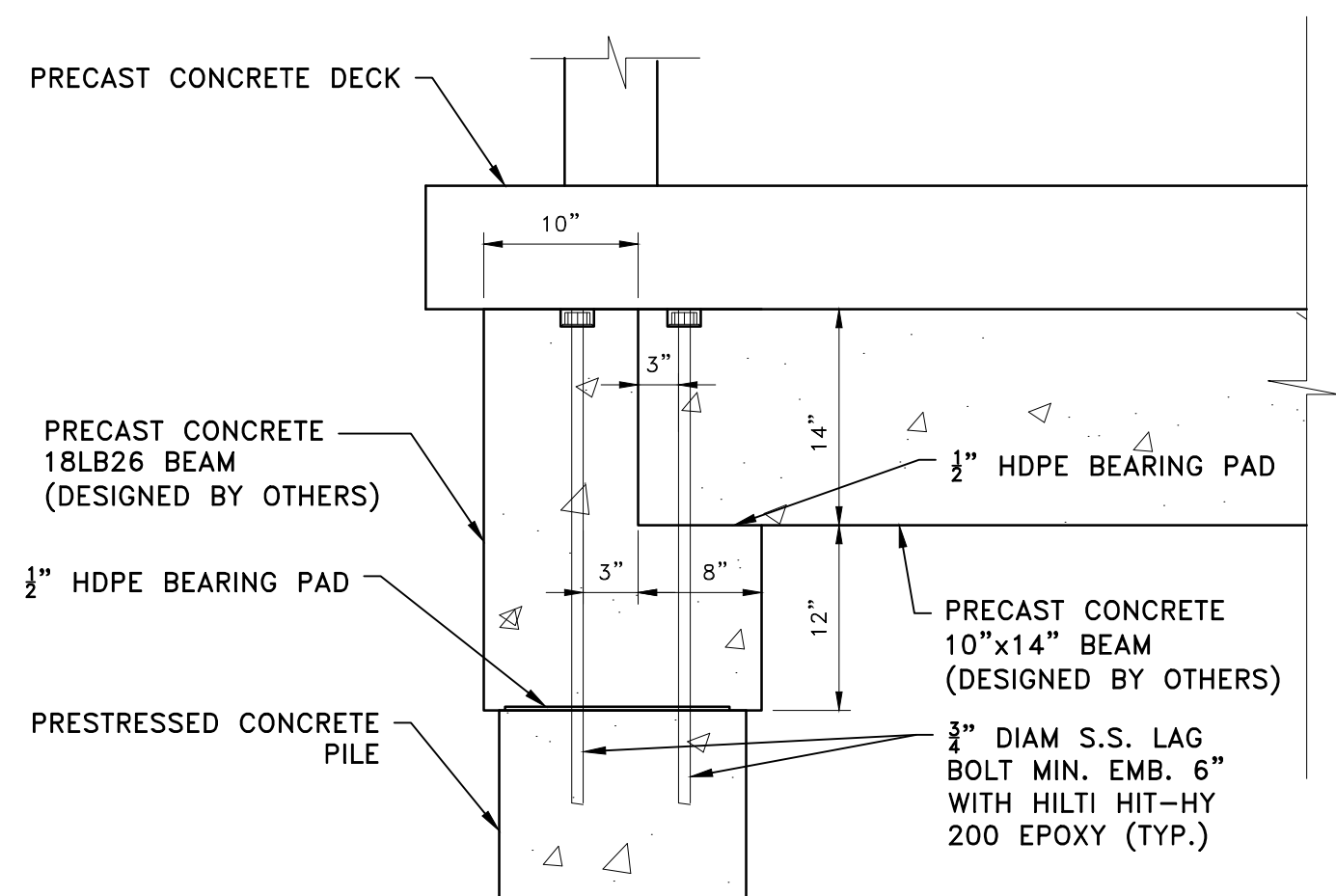
PROJECT NO.: 19131.00
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PROPOSED
SITE PLAN

SHEET NO.: 3.0

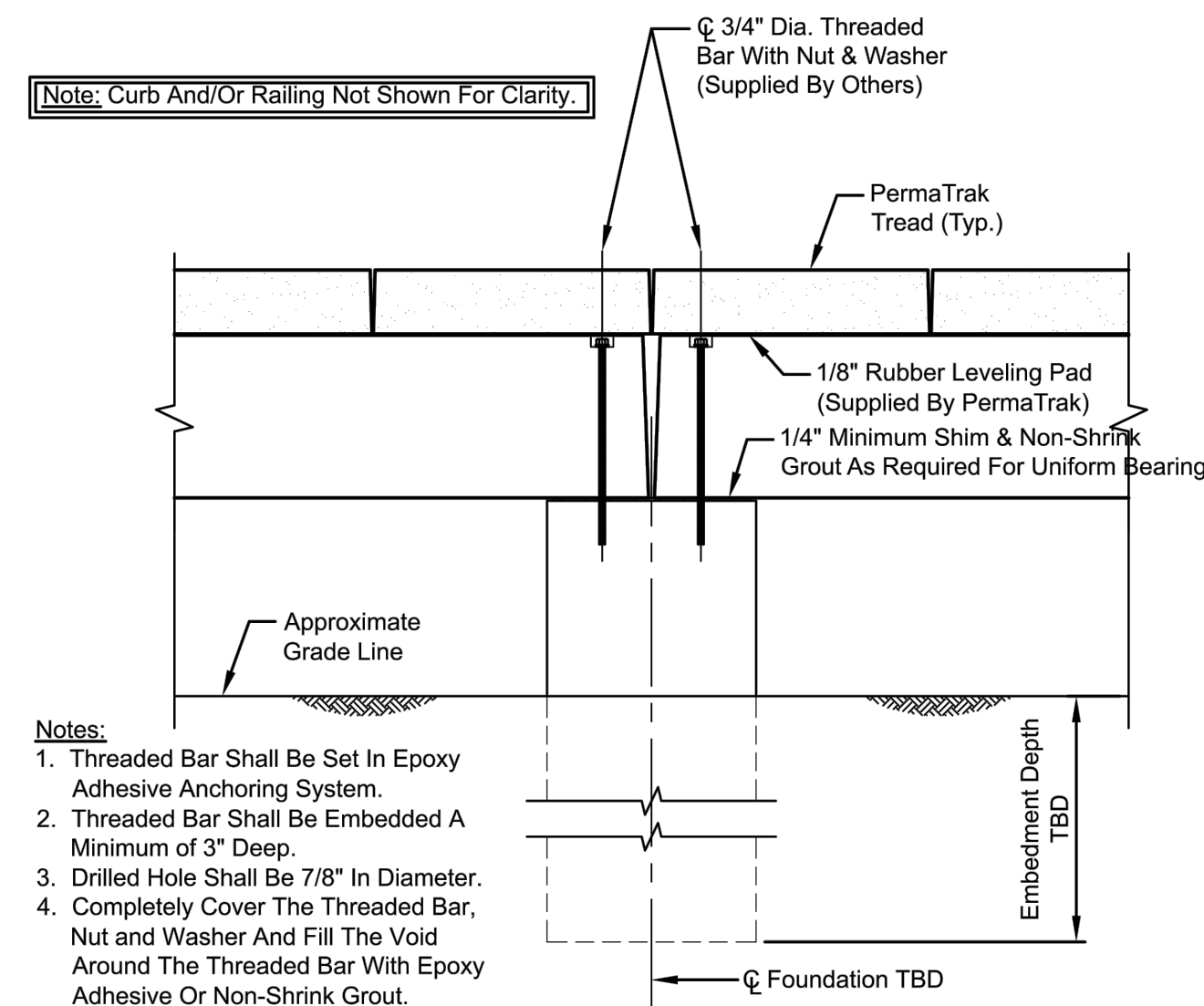


SECTION A
SCALE: 1"=2'-0"

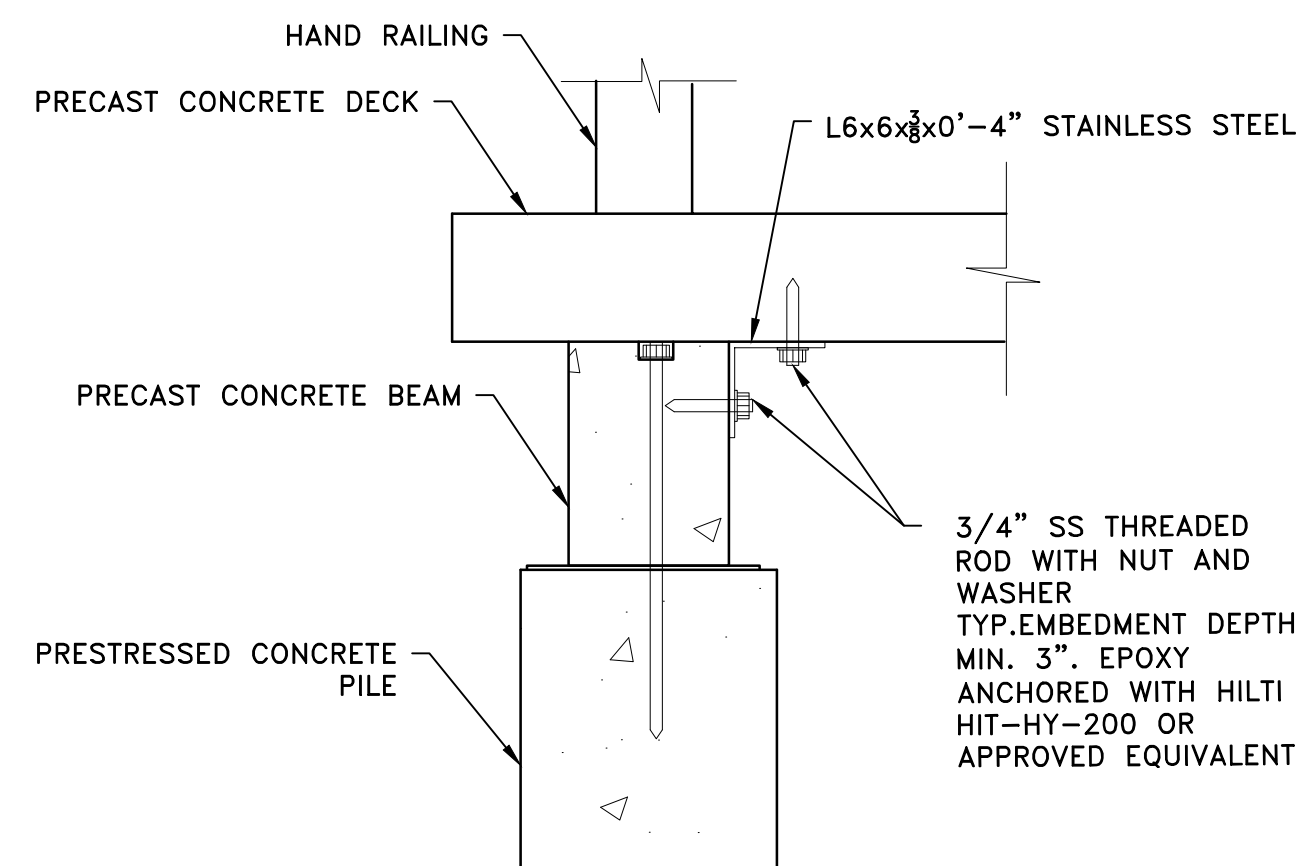


EXISTING STRUCTURE TIE-IN PLATFORM CONNECTION DETAIL
SCALE: 1"=1'

- NOTES**
1. PRECAST ELEMENTS INCLUDING CONCRETE DECK, CONCRETE BEAMS, AND PILES TO BE DESIGNED BY OTHERS.
 2. CONCRETE DECK SHALL BE STAMPED WITH TIMBER GRAIN ALONG EXPOSED FACES (EXCLUDING BOTTOM).

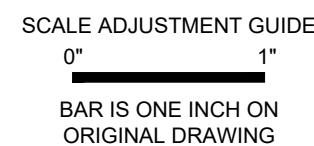


TYPICAL PIER CONNECTION DETAIL
Scale: Not To Scale

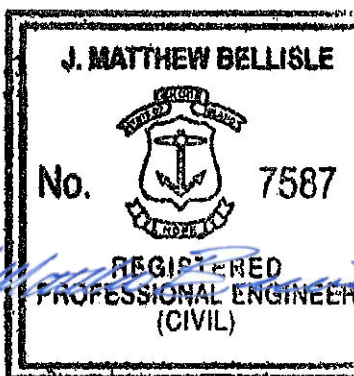


TREAD TO BEAM/CONCRETE WALL CONNECTION
SCALE: 1"=1'

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ROGER WHEELER STATE BEACH
BOARDWALK
NARRAGANSETT, RHODE ISLAND
RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

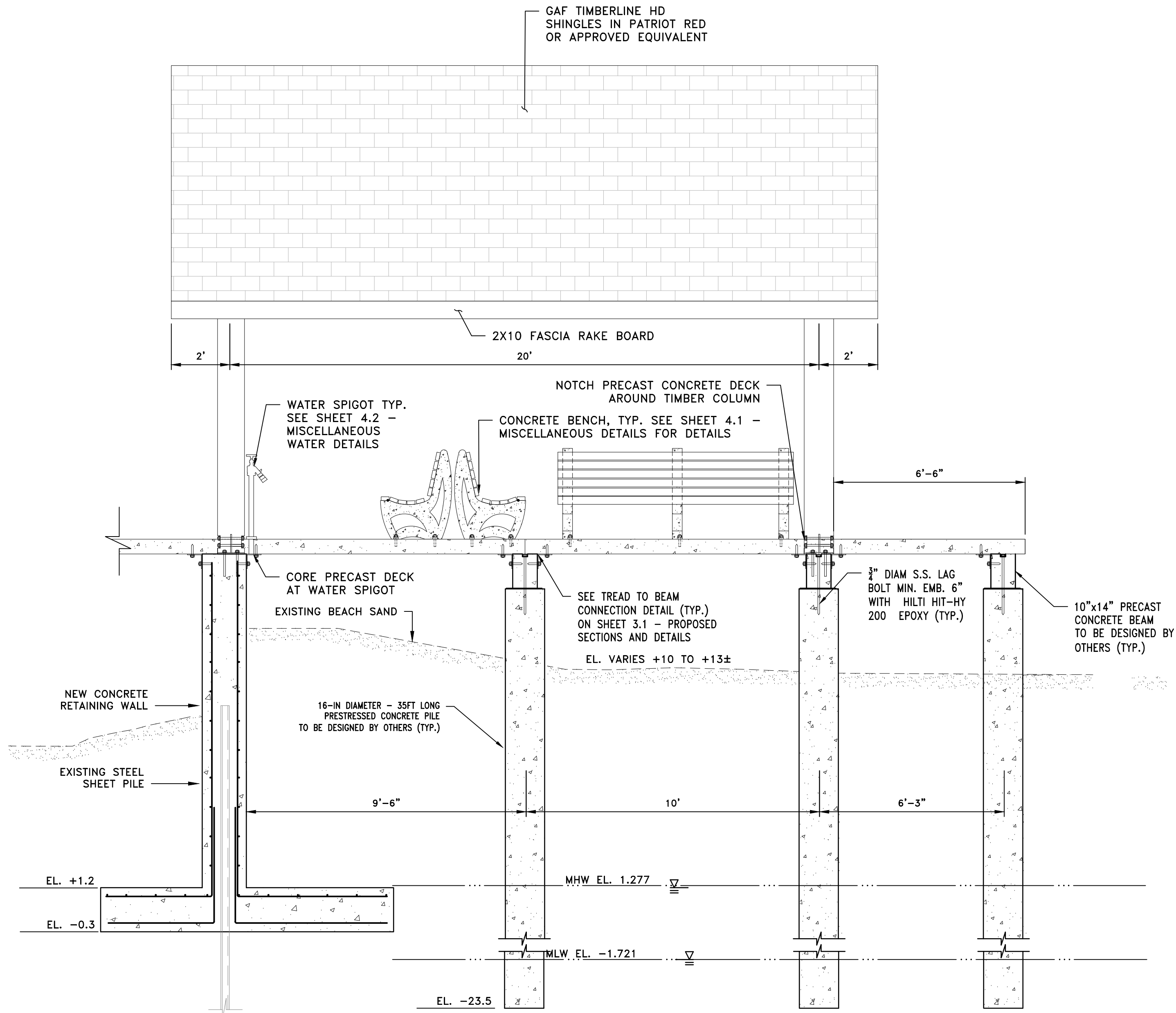


REVISIONS:	
PROJECT NO.:	19131.00
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DESIGNED BY:	KAD
CHECKED BY:	BMD
DRAWN BY:	LMC
APPROVED BY:	JMB

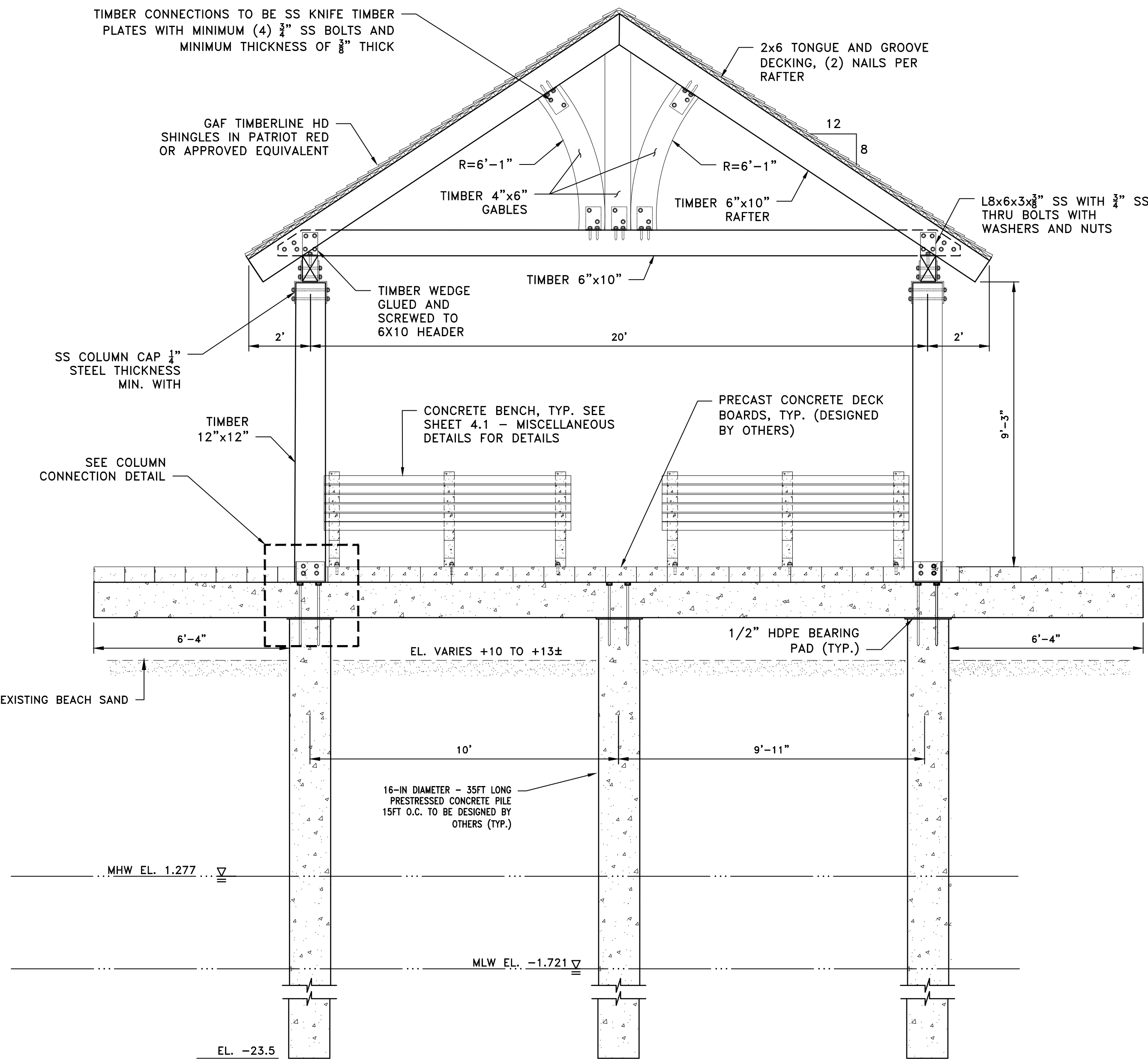
PROPOSED
SECTIONS AND DETAILS

SHEET NO.:
3.1

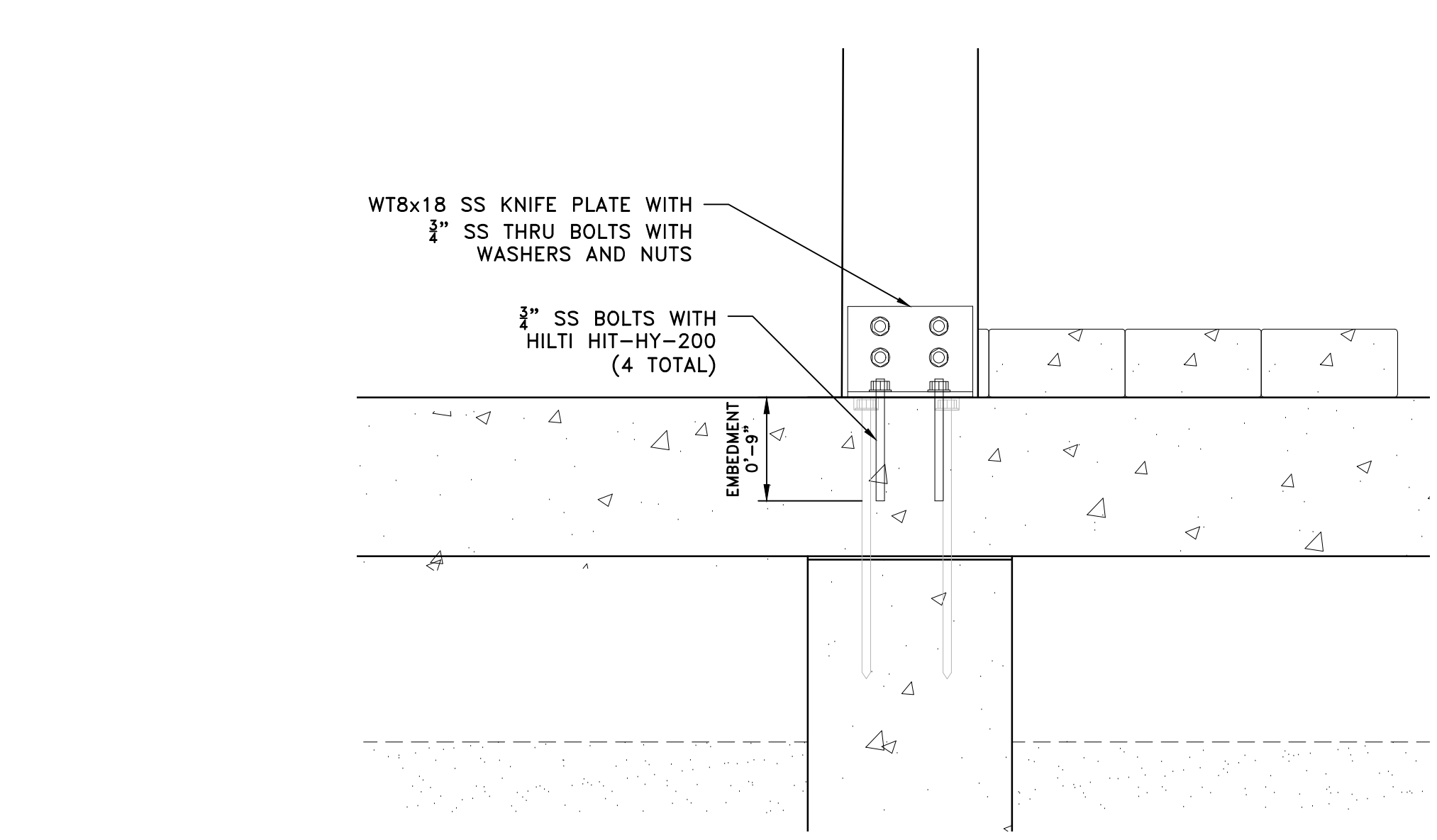




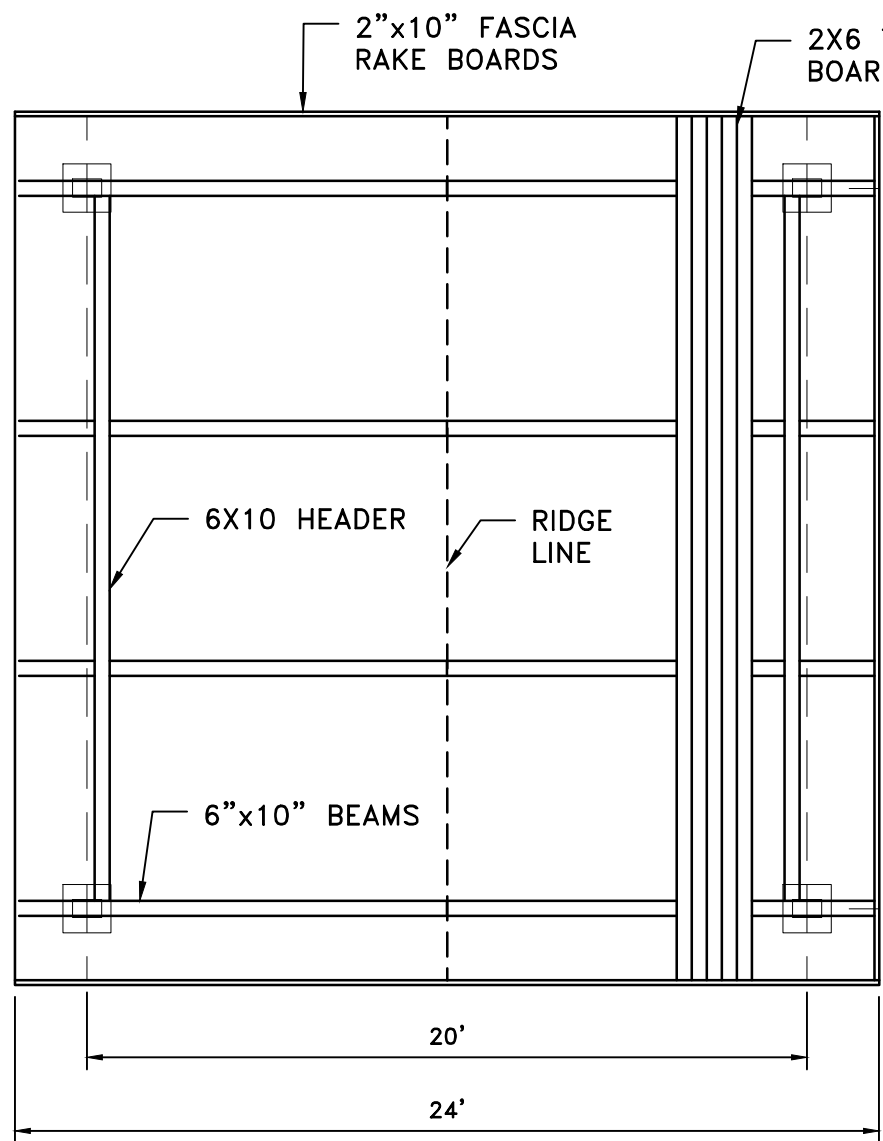
SECTION B
SCALE: 3/8"=1'-0"



SECTION C
SCALE: 3/8"=1'-0"



COLUMN CONNECTION DETAIL
SCALE: 1" = 1'-0"



ROOF FRAMING PLAN
SCALE: 3/16" = 1'-0"

- NOTES:**
- PROPOSED RAIL AND LATTICE NOT SHOWN FOR CLARITY.
 - TIMBER MEMBERS SHALL BE STRUCTURAL NO. 1 SOUTHERN YELLOW PINE DESIGNED FOR 30 PSF LIVE LOAD AND A NET UPLIFT OF 57 PSF (ULTIMATE WIND PRESSURE). UNLESS NOTED AS "SERVICE LOAD" ON THESE PLANS, DESIGN WIND LOADS ARE IN ACCORDANCE WITH ASCE 7-16 AND SHALL BE FACTORED AS REQUIRED FOR ASD OR STRENGTH DESIGN METHODS.

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SCALE ADJUSTMENT GUIDE
0" 1"
BAR IS ONE INCH ON ORIGINAL DRAWING

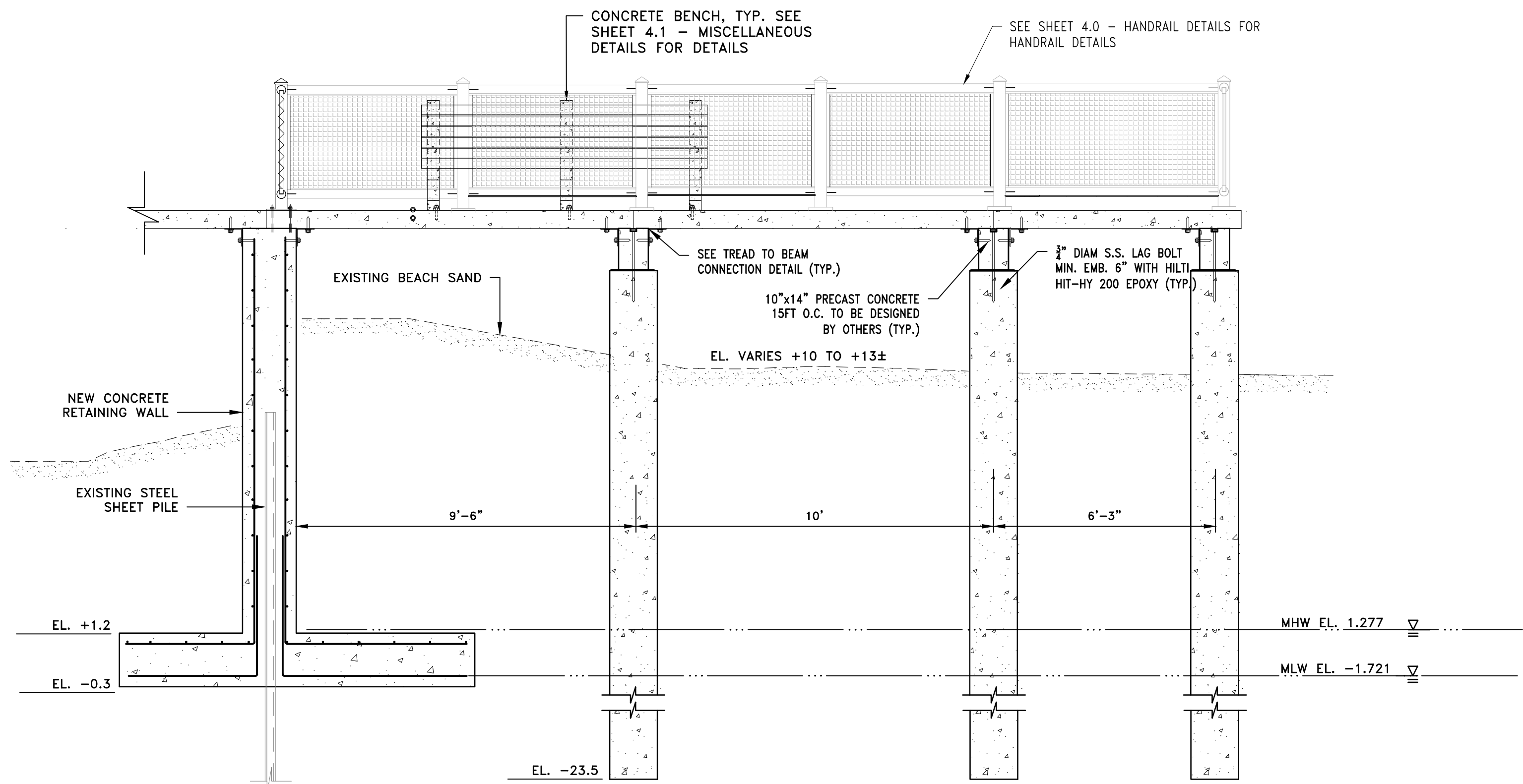
ROGER WHEELER STATE BEACH BOARDWALK
NARRAGANSETT, RHODE ISLAND
RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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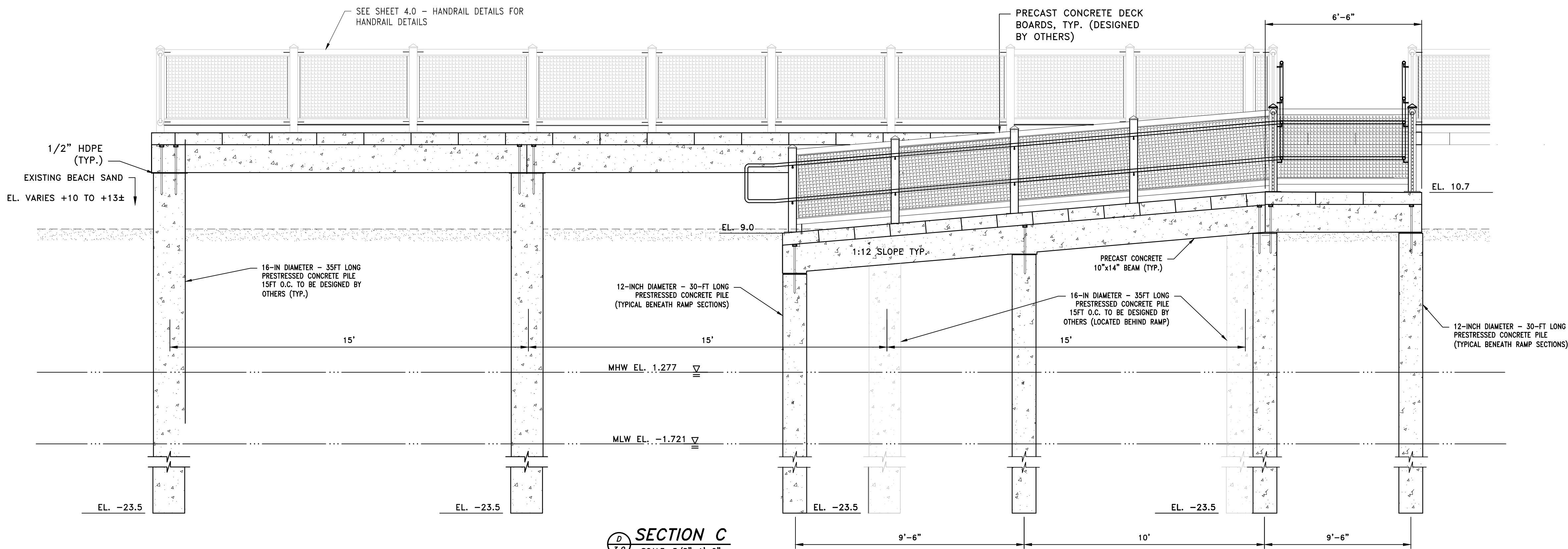
PROJECT NO.: 19131.00
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TIMBER SHADE STRUCTURE DETAILS

SHEET NO.: 3.2



SECTION D
SCALE: 3/8"=1'-0"



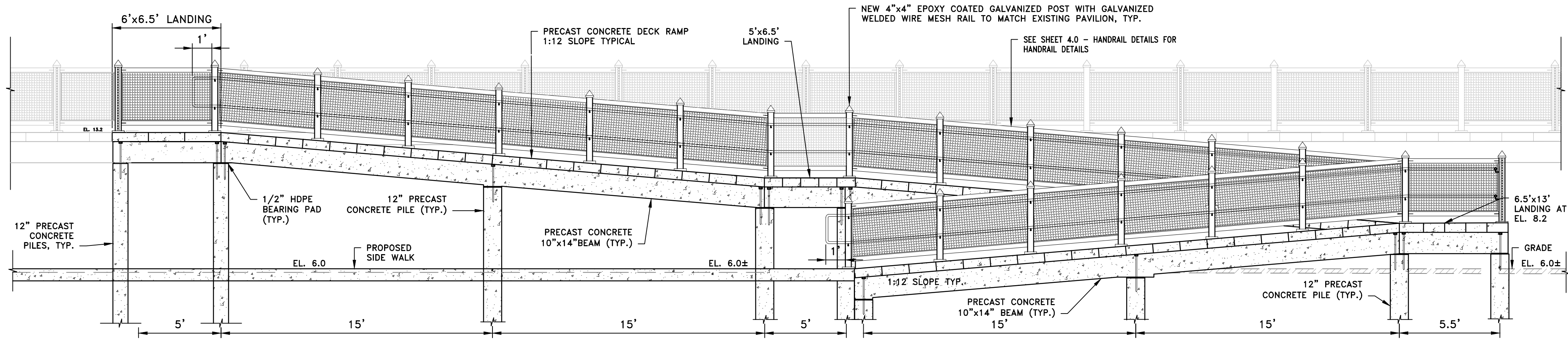
SECTION C
SCALE: 3/8"=1'-0"

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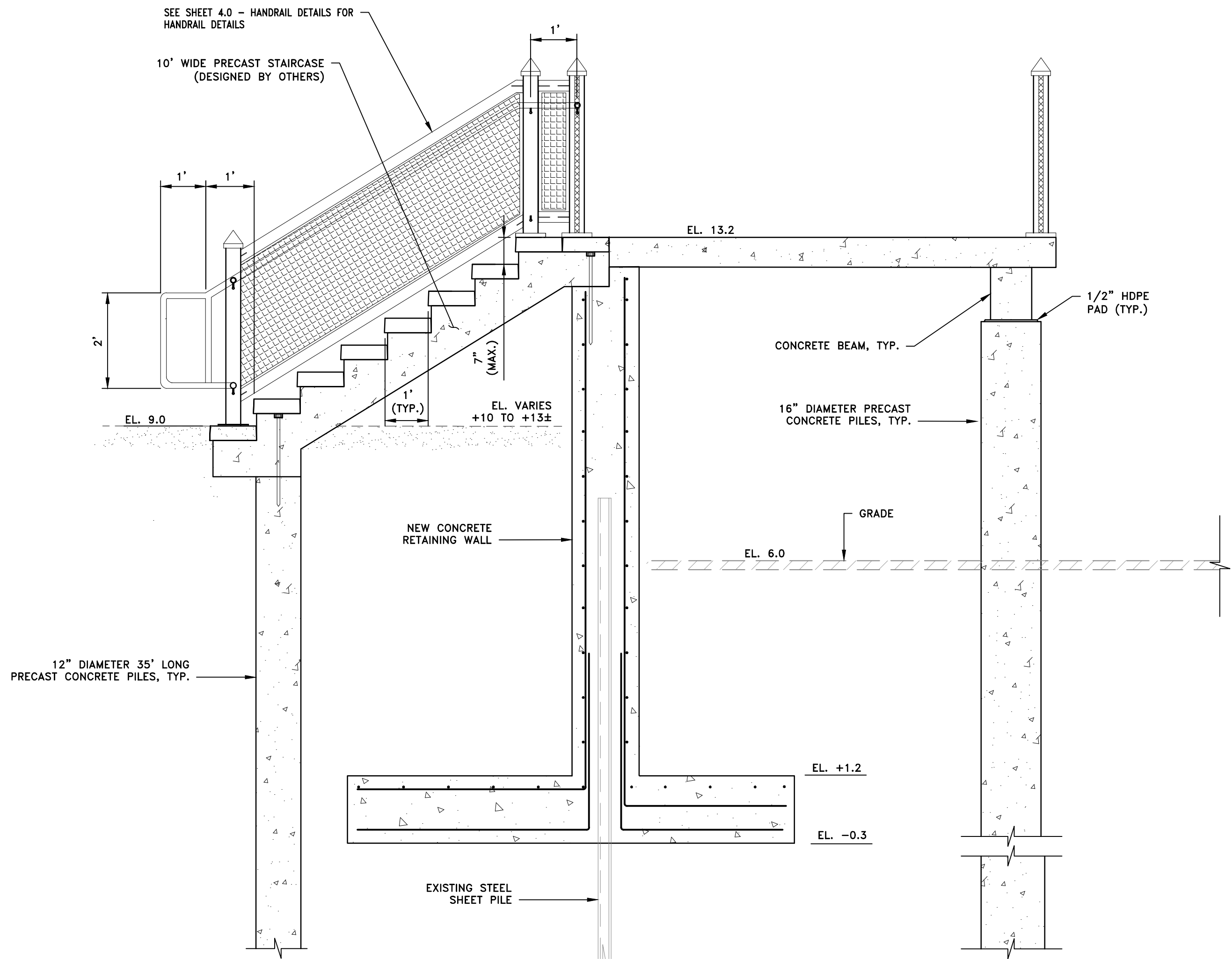
VIEWING PLATFORM
SECTIONS

SHEET NO.: **3.3**

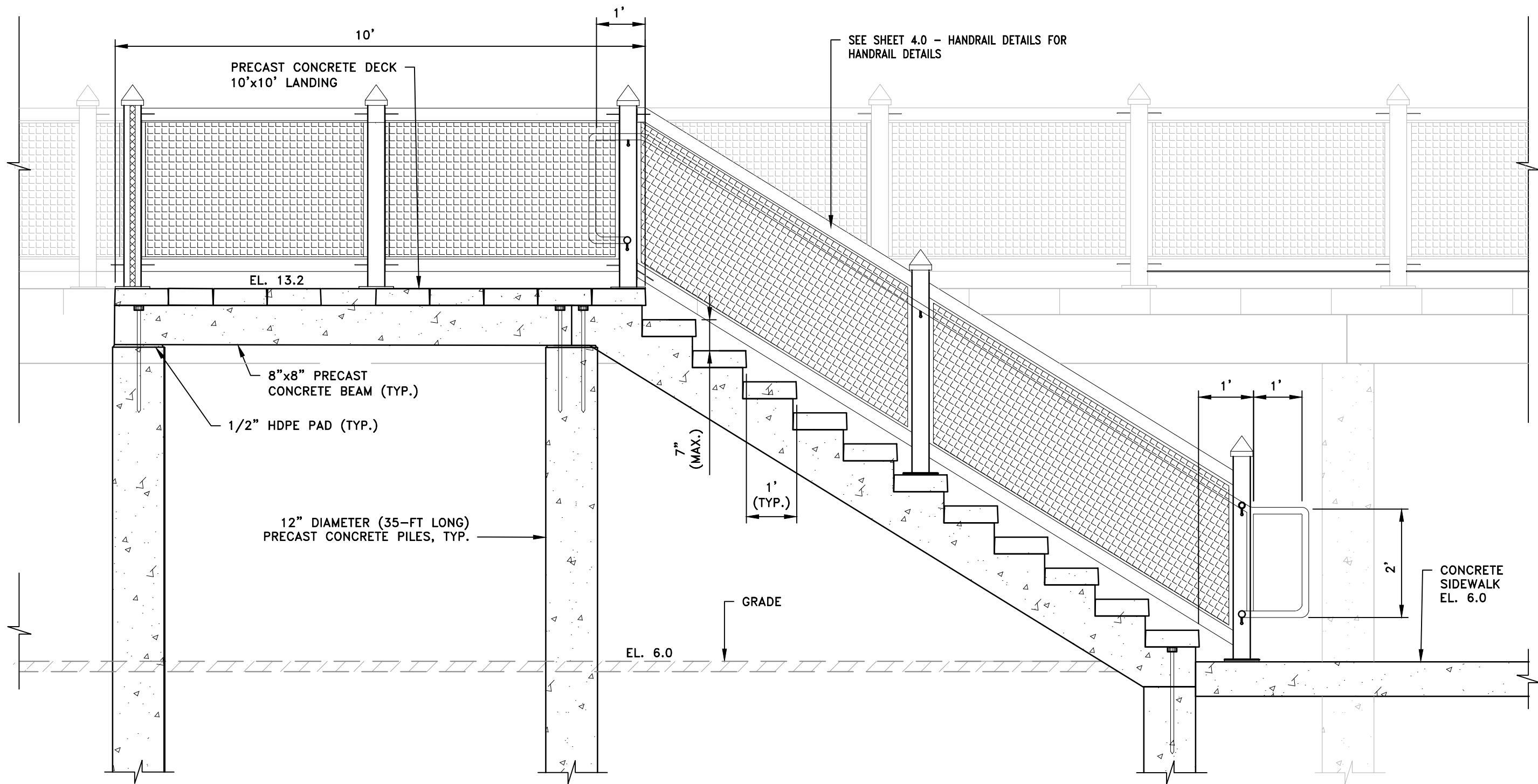
90% DESIGN SUBMISSION
NOT FOR CONSTRUCTION



SECTION VIEW RAMPS (TYP. 2 PLACES)
SCALE: 1"=4'



SEAWARD STAIR SECTION (TYP 6 PLACES)
SCALE: 1"=2'



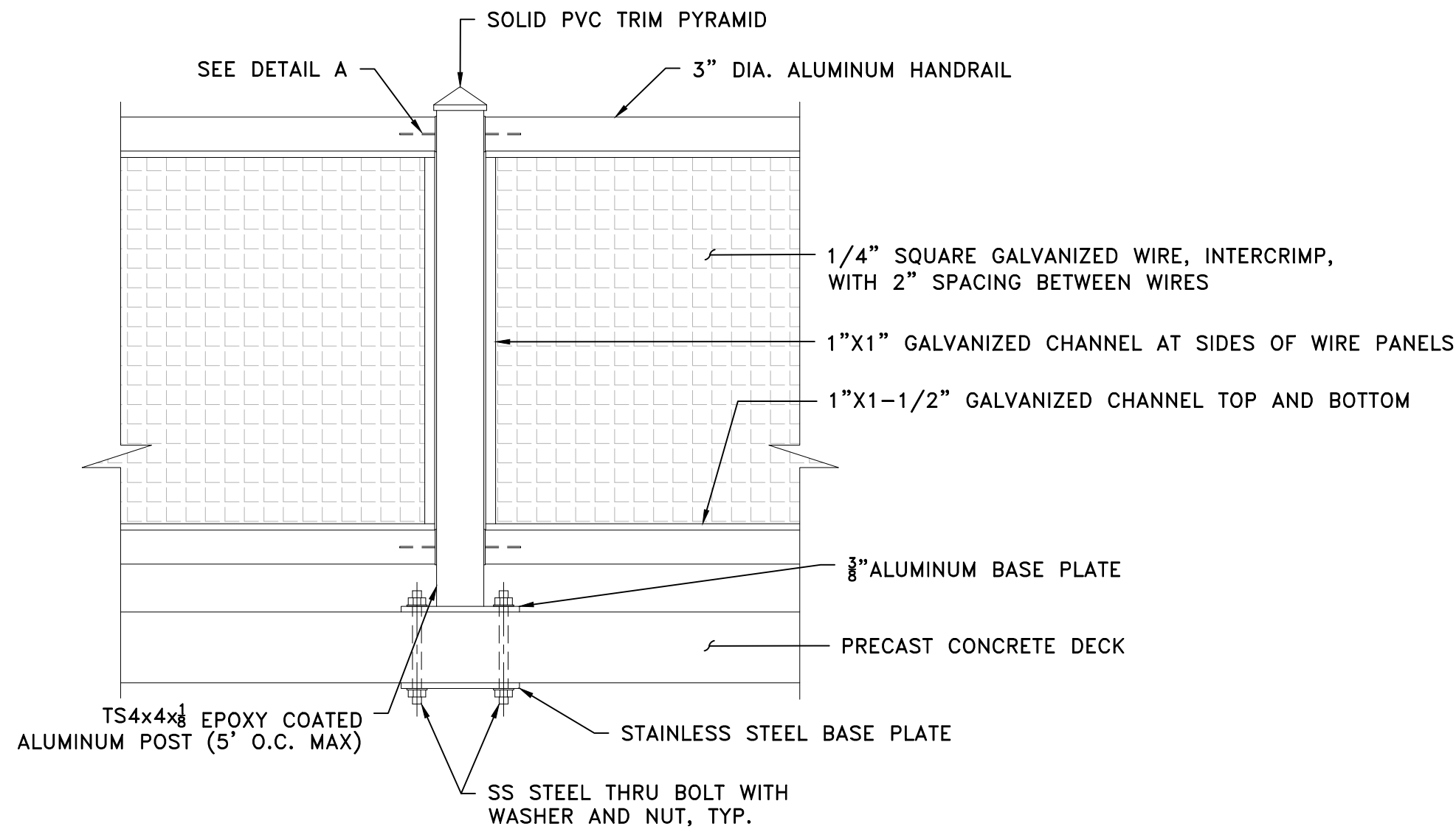
LANDWARD STAIR SECTION (TYP 6 PLACES)
SCALE: 1"=2'

REVISIONS:	
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DATE:	DECEMBER 2021
SCALE:	AS NOTED
DESIGNED BY:	KAD
CHECKED BY:	BMD
DRAWN BY:	LMC
APPROVED BY:	JMB

STAIRS AND RAMP
DETAILS

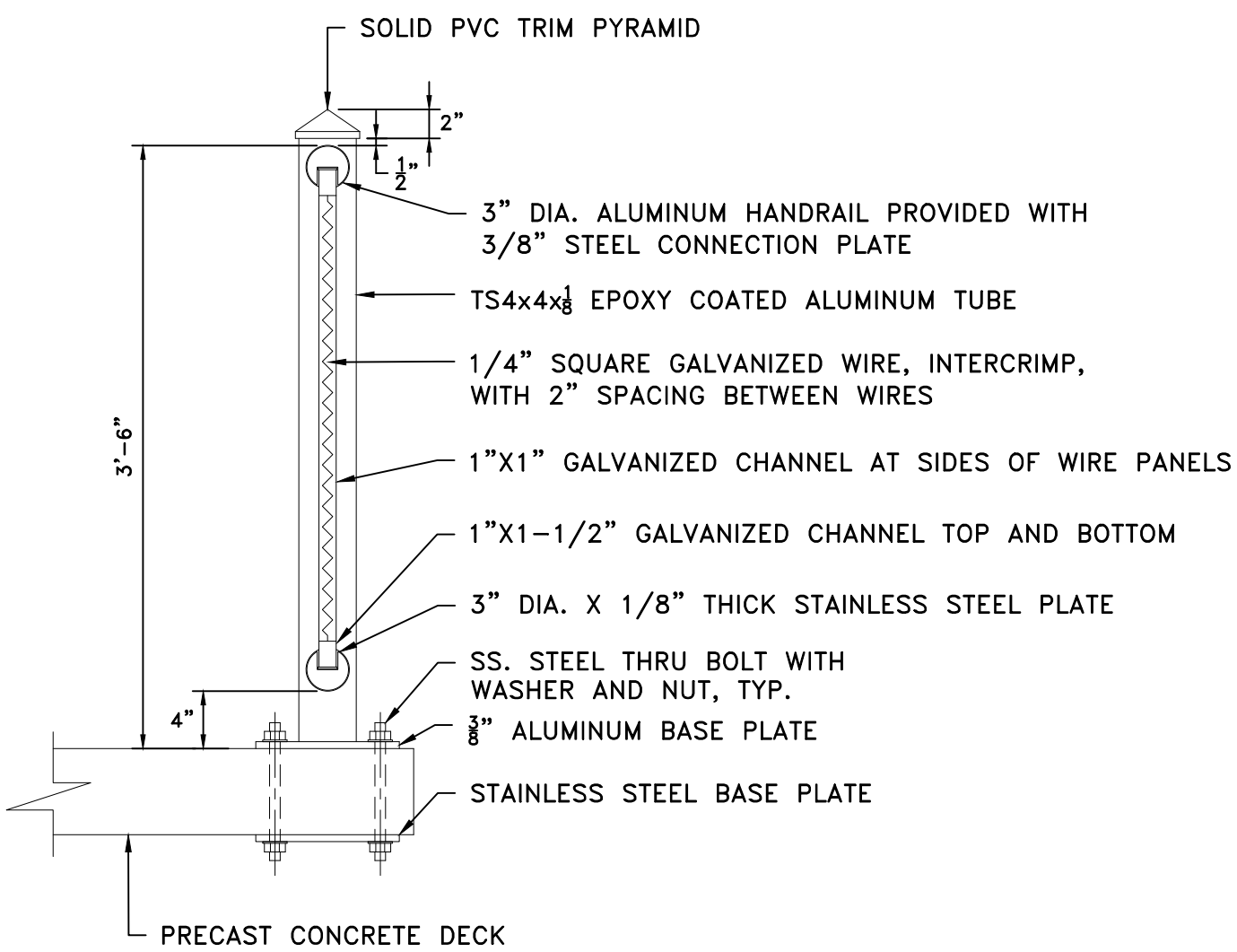
SHEET NO.:
3.4

90% DESIGN SUBMISSION
NOT FOR CONSTRUCTION

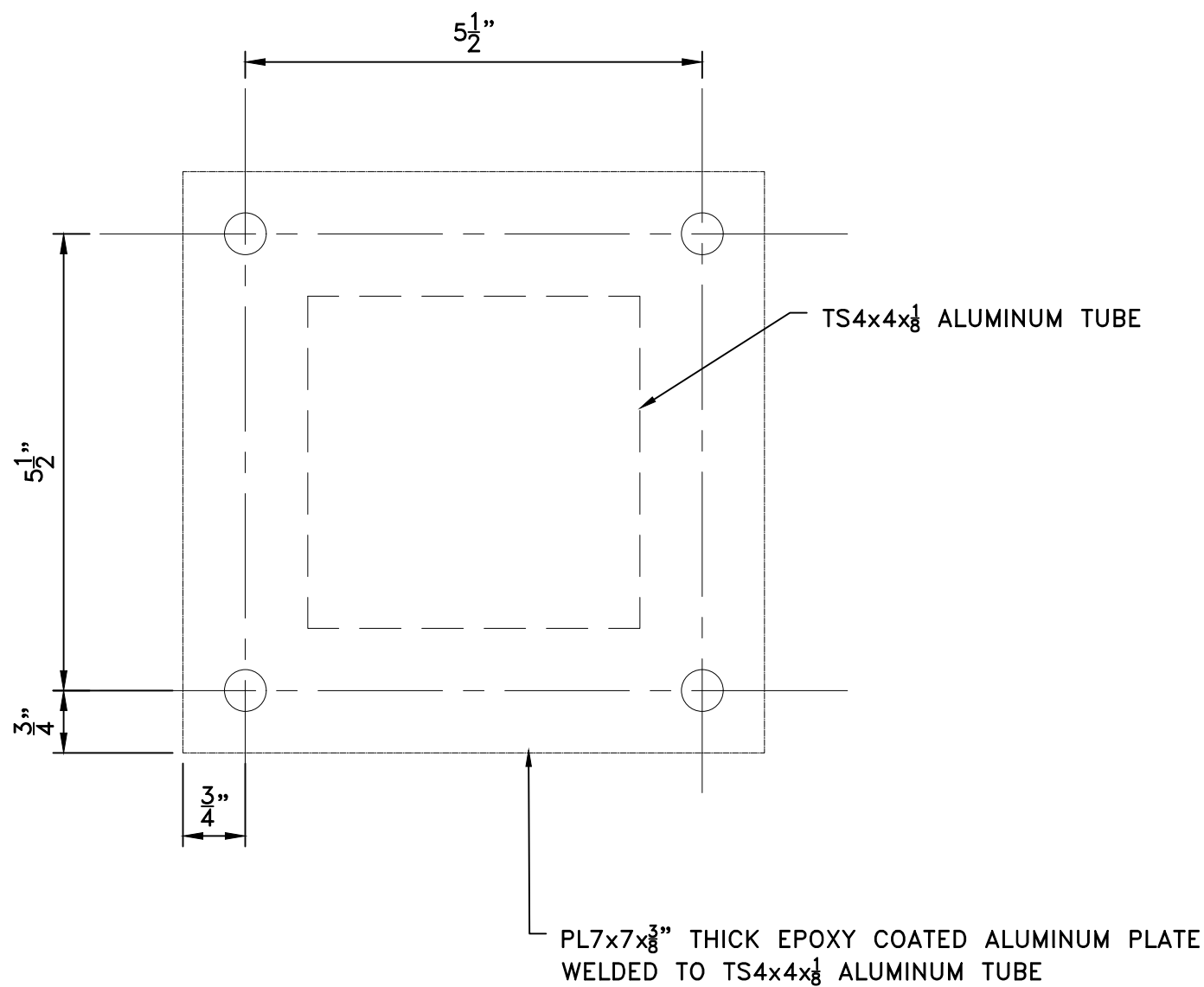


NOTE:
RAIL COLUMNS SHALL BE SPACED 5' O.C., MAX.

ALUMINUM RAIL ELEVATION DETAIL
SCALE: 1"=1'-0"

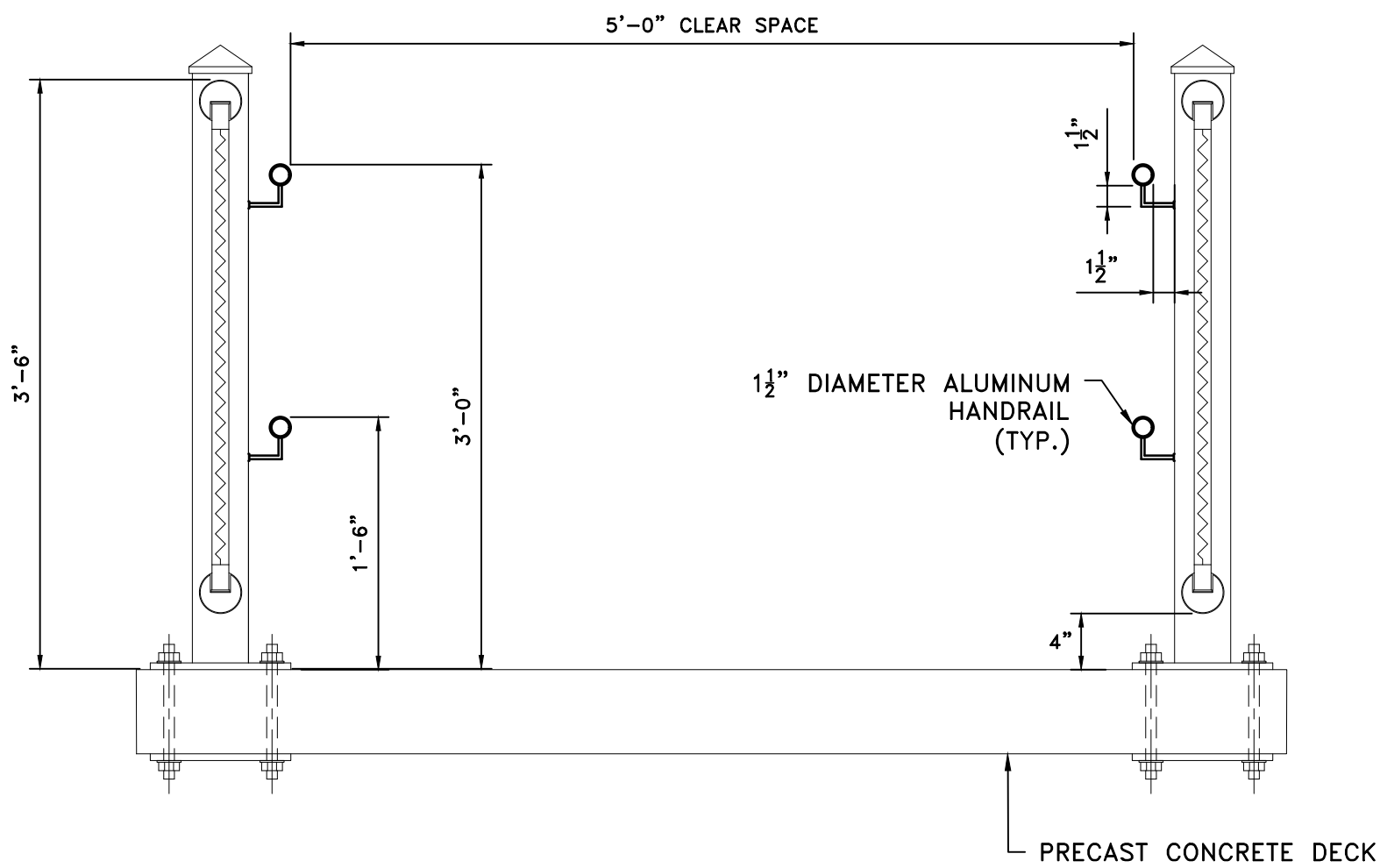


RAIL SECTION DETAIL
SCALE: 1"=1'-0"



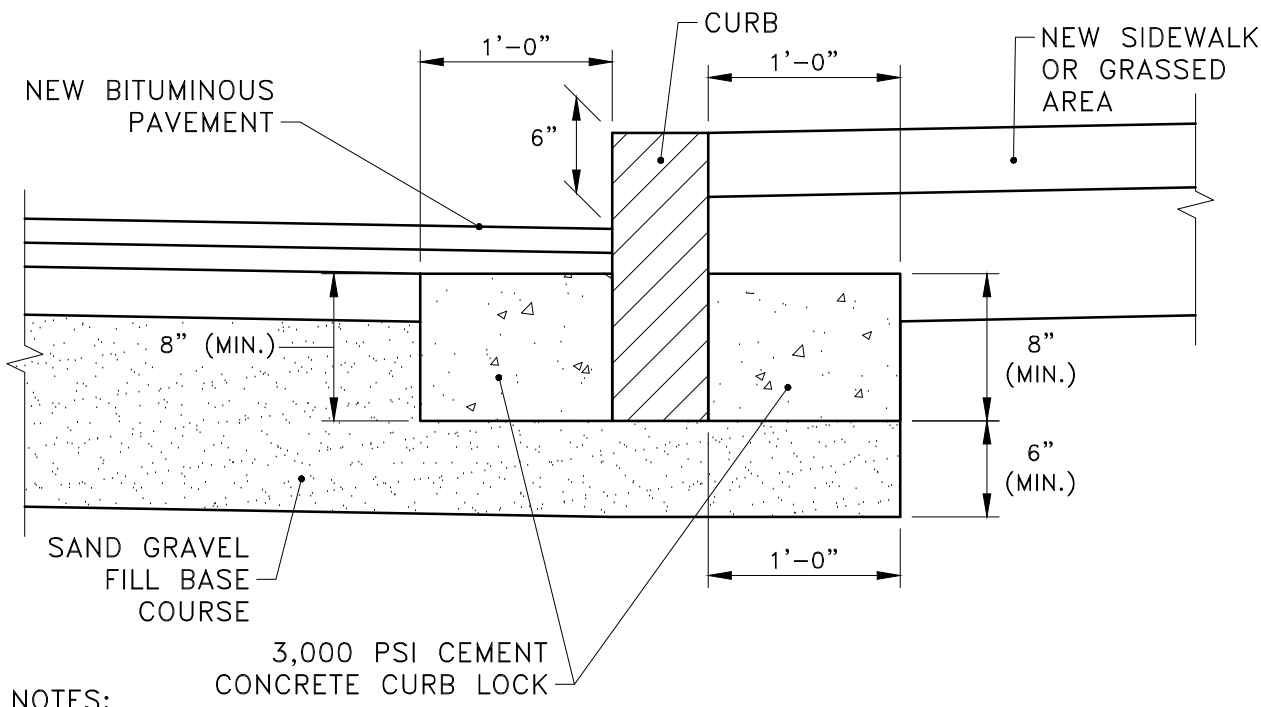
NOTE:
ANGLE OF PLATE TO CONFORM TO ANGLE OF RAILS.

DETAIL A
SCALE: 6"=1'



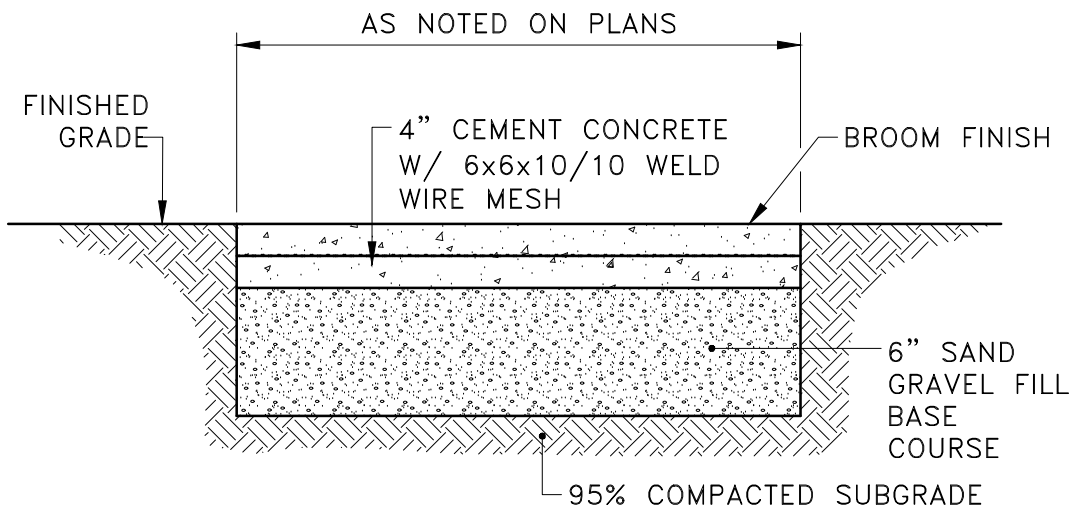
TYPICAL HANDRAIL DETAIL
SCALE: 1"=1'-0"

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SCALE:	AS NOTED
DESIGNED BY:	KAD
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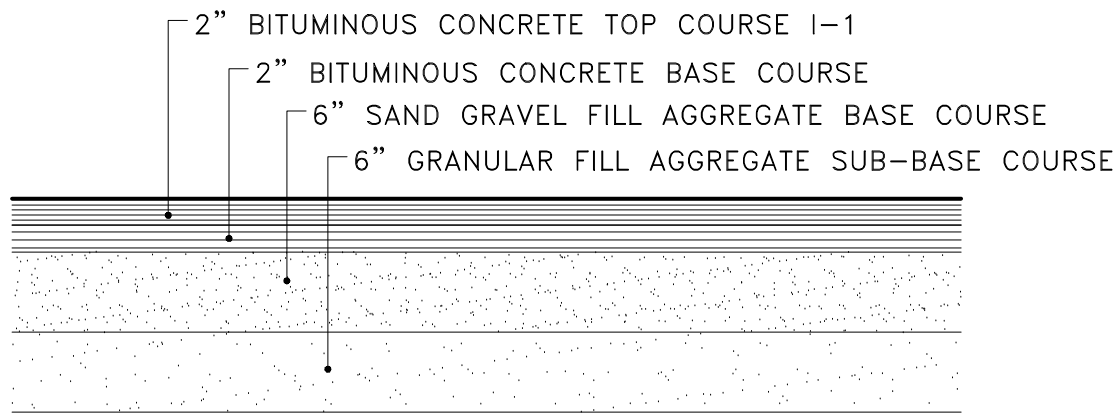
- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
 2. PROVIDE CEMENT CONCRETE CURB LOCK ON ALL CURBS

CURB SETTING DETAIL
NOT TO SCALE



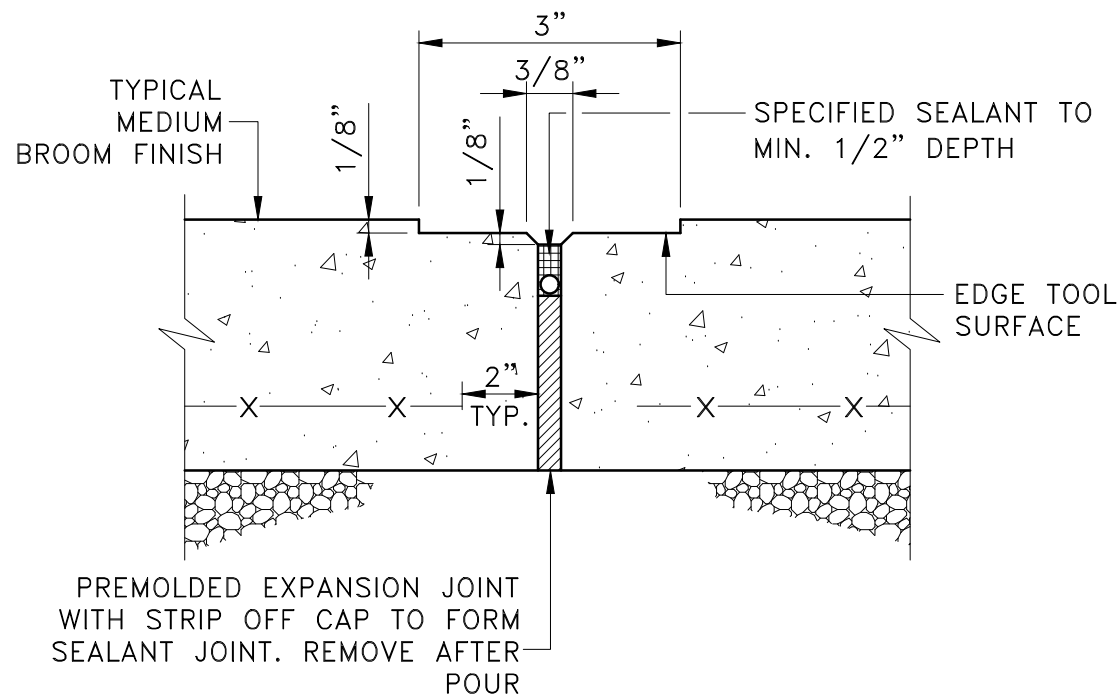
- NOTES:
1. CONCRETE SIDEWALK SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 905 OF THE RI STANDARD SPECIFICATIONS.
 2. WIRE MESH SHALL BE IN ACCORDANCE WITH SECTION M.05.02 OF THE RI STANDARD SPECIFICATIONS.

TYPICAL CEMENT CONCRETE SIDEWALK
NOT TO SCALE



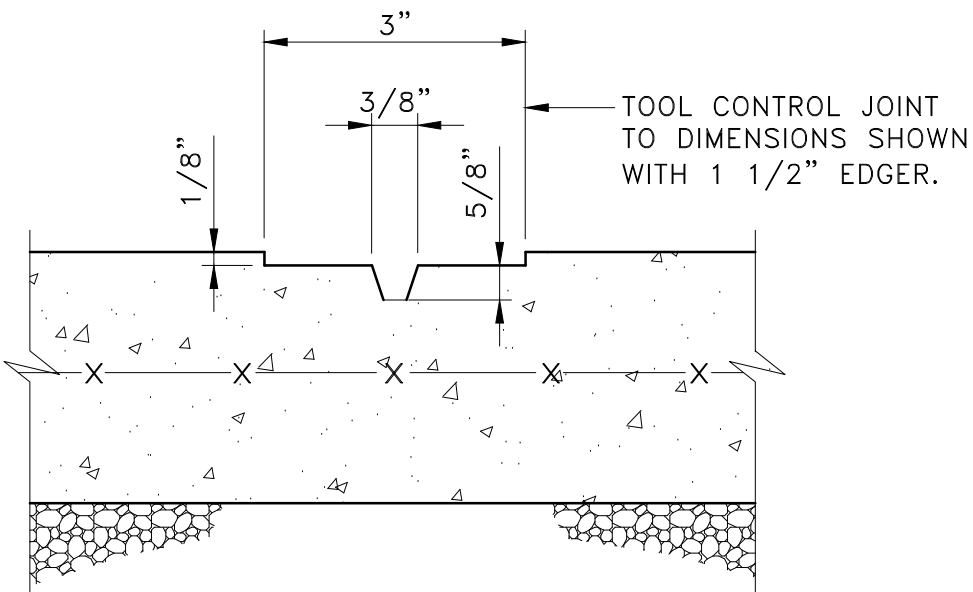
- NOTES:
1. ASPHALT EMULSION TACK COAT IS TO BE APPLIED BETWEEN BITUMINOUS LAYERS

PAVEMENT DETAIL
NOT TO SCALE

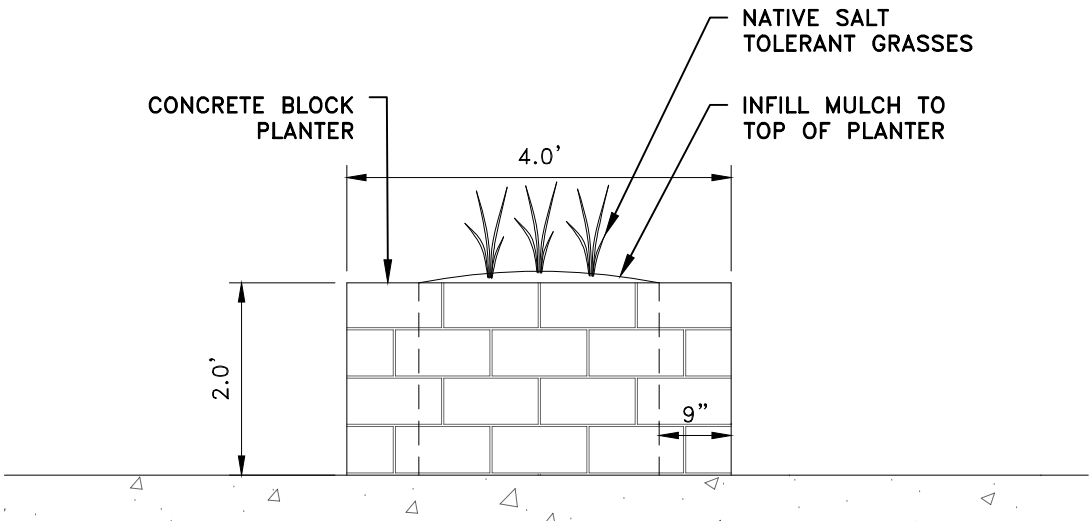


EXPANSION JOINT AT 20' O.C. (TYP)

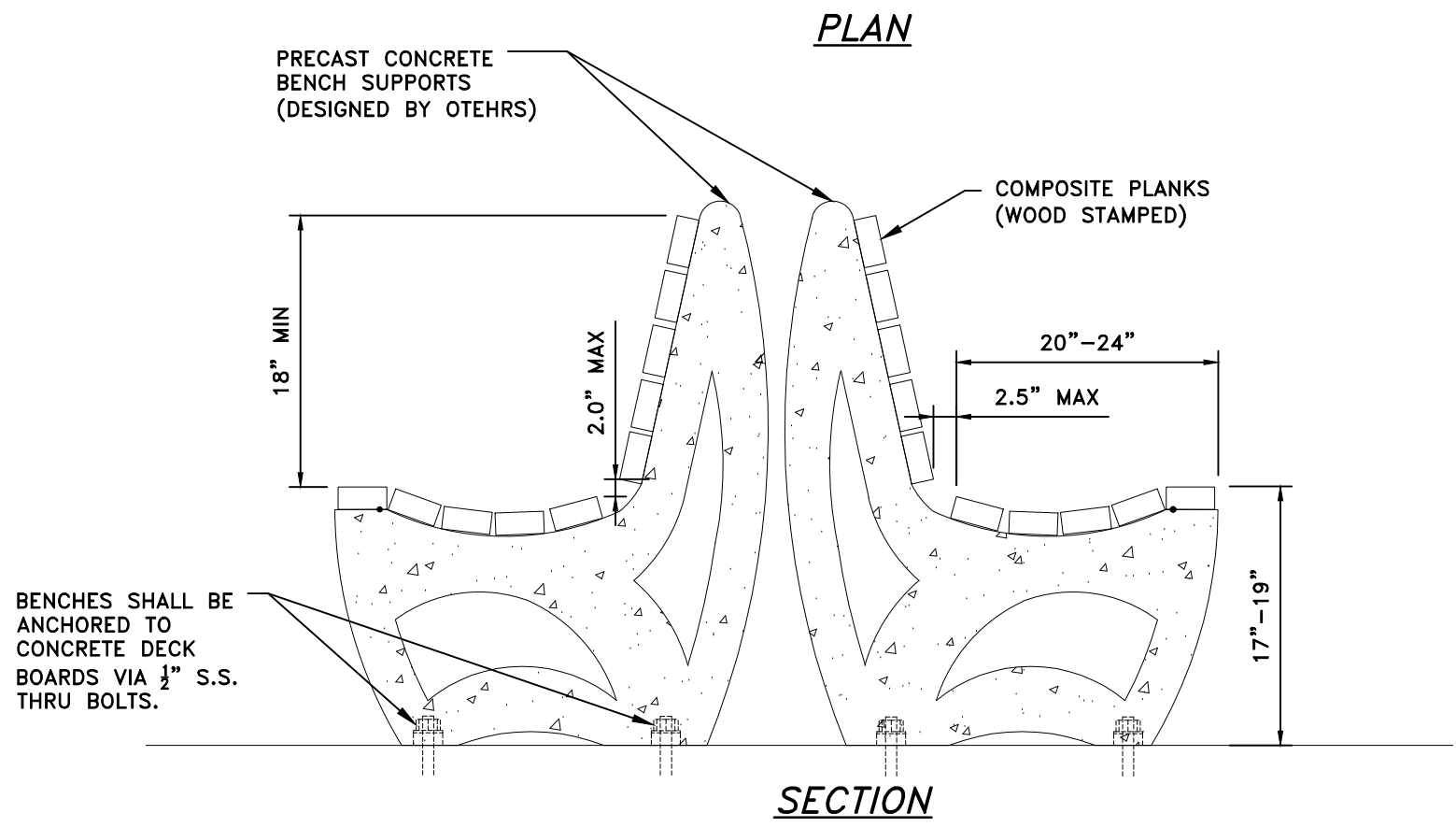
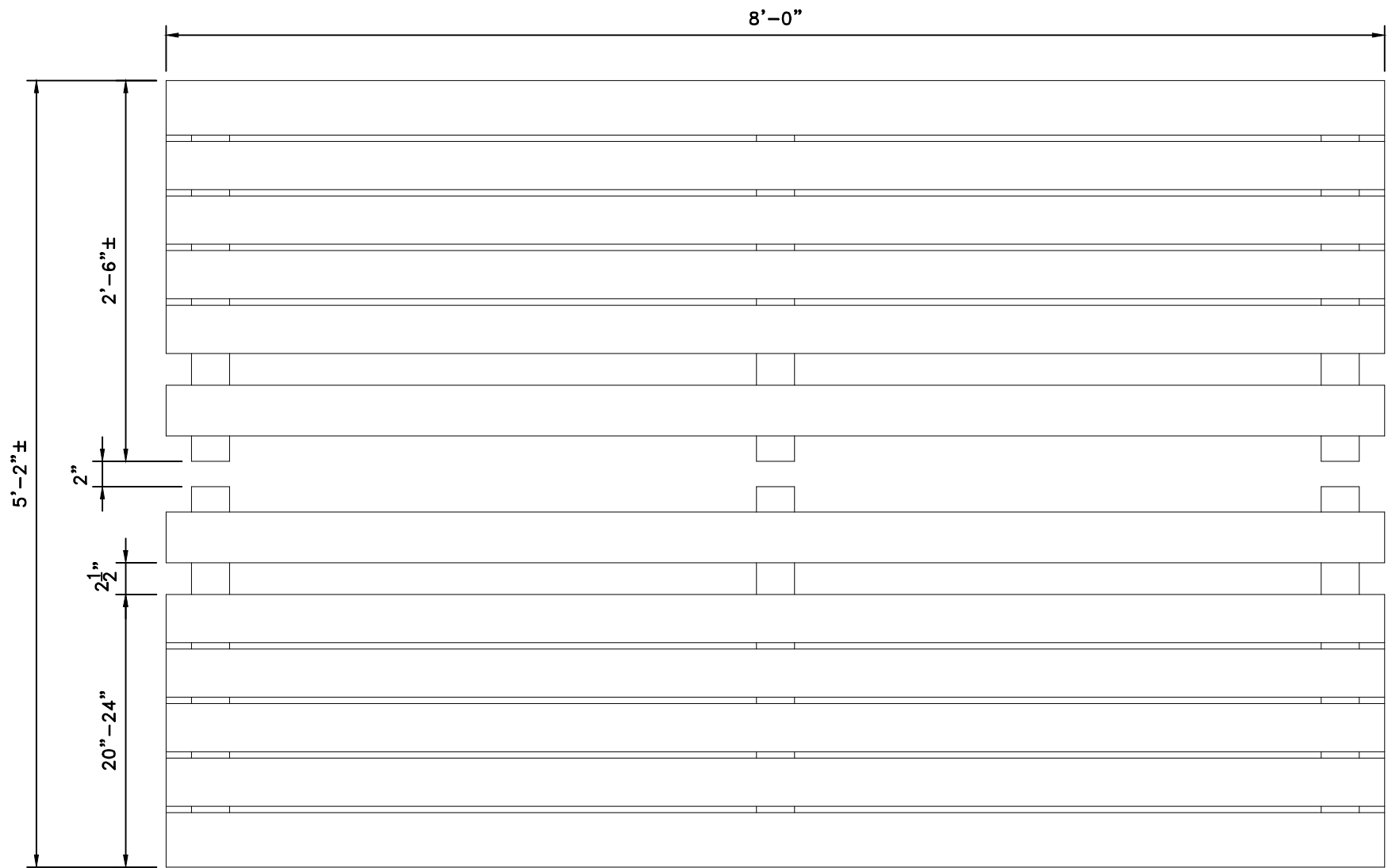
- NOTES:
1. EXPANSION JOINTS (E.J.) 20 FEET O.C. UNLESS OTHERWISE NOTED.
 2. CONTROL JOINTS (C.J.) 5 FEET O.C. UNLESS OTHERWISE NOTED.
 3. WHERE EXISTING AND NEW CONCRETE SIDEWALKS MEET, SAWCUT EXISTING WALK AND INSTALL EXPANSION JOINT AND DOWELS AS SHOWN. DRILL EXISTING CONCRETE WALK EDGE TO RECEIVE STEEL DOWELS AT EXPANSION JOINT.
 4. REFER TO LANDSCAPE PLANS FOR LOCATIONS.



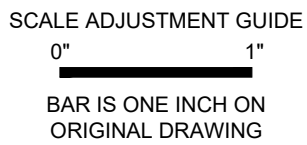
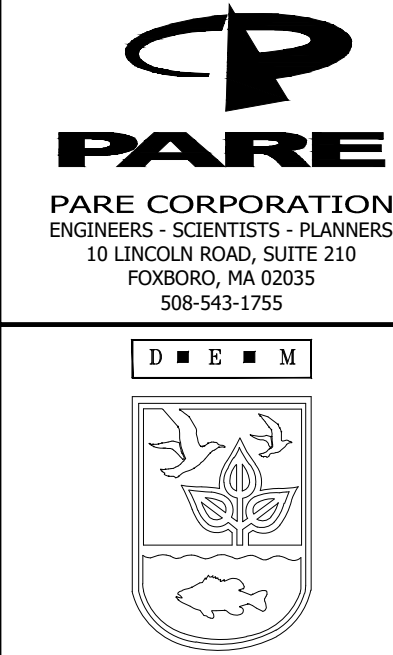
CONTROL JOINT AT 5' O.C. (TYP)



PLANTER DETAIL
SCALE: 1"=2'



CONCRETE BENCH DETAIL
SCALE: 1"=1'

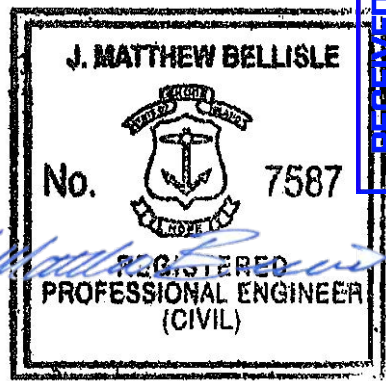


ROGER WHEELER STATE BEACH

BOARDWALK

NARRAGANSETT, RHODE ISLAND

RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

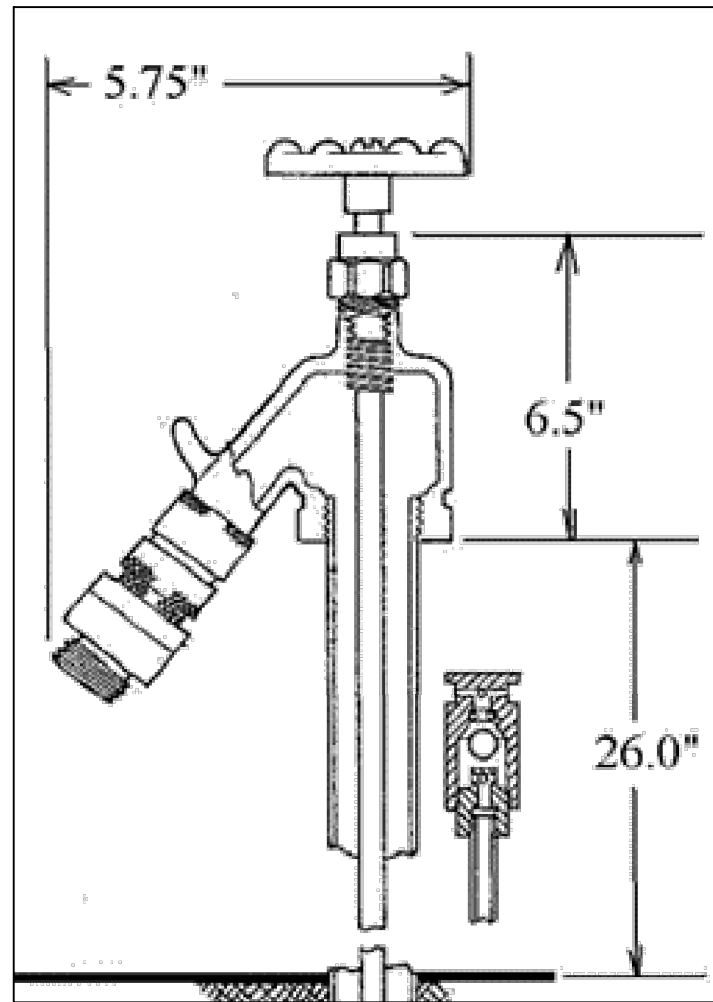


REVISIONS:	
PROJECT NO.:	19131.00
DATE:	DECEMBER 2021
SCALE:	AS NOTED
DESIGNED BY:	KAD
CHECKED BY:	BMD
DRAWN BY:	LMC
APPROVED BY:	JMB

MISCELLANEOUS
DETAILS

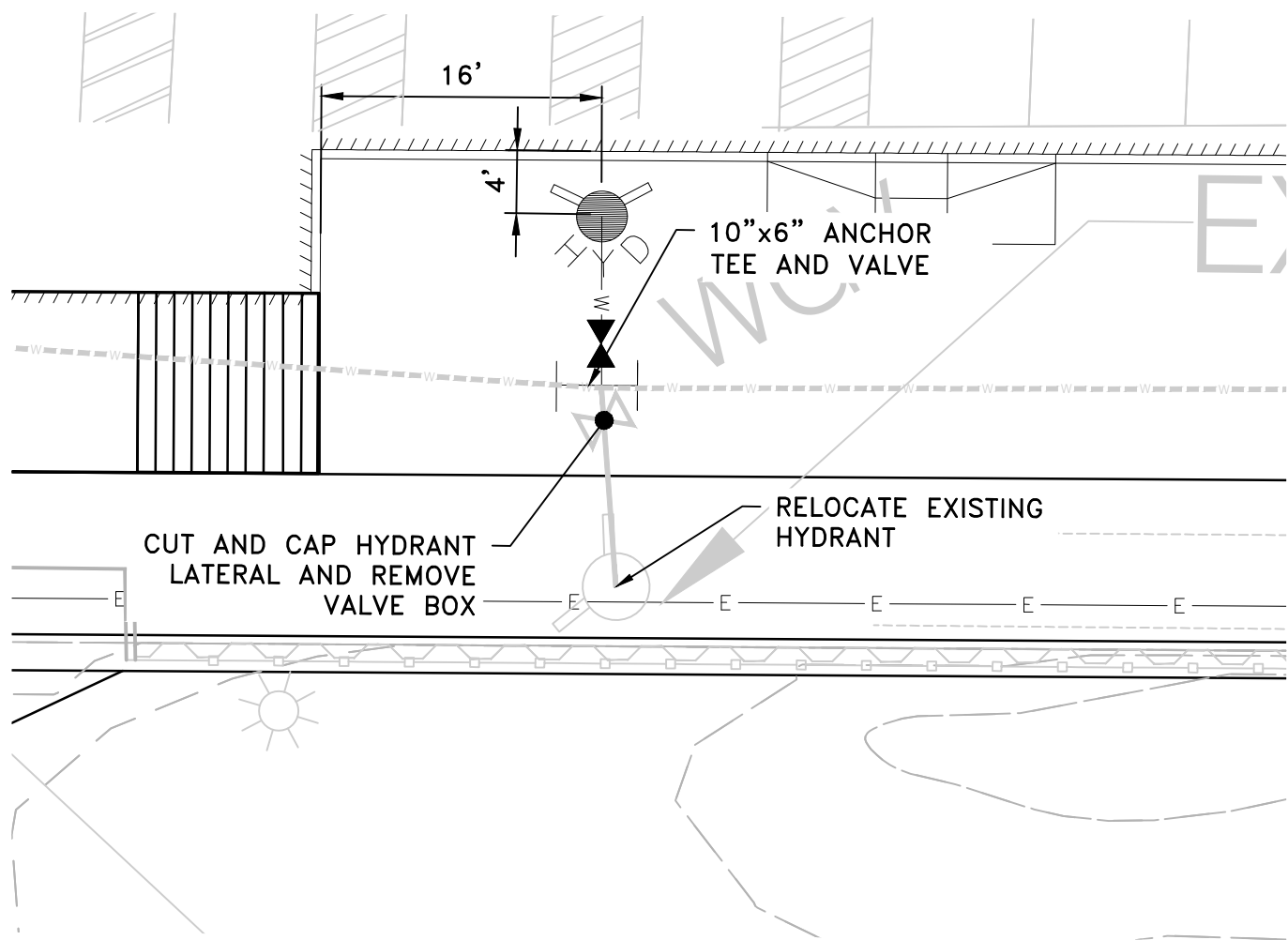
SHEET NO.:
4.1

90% DESIGN SUBMISSION
NOT FOR CONSTRUCTION

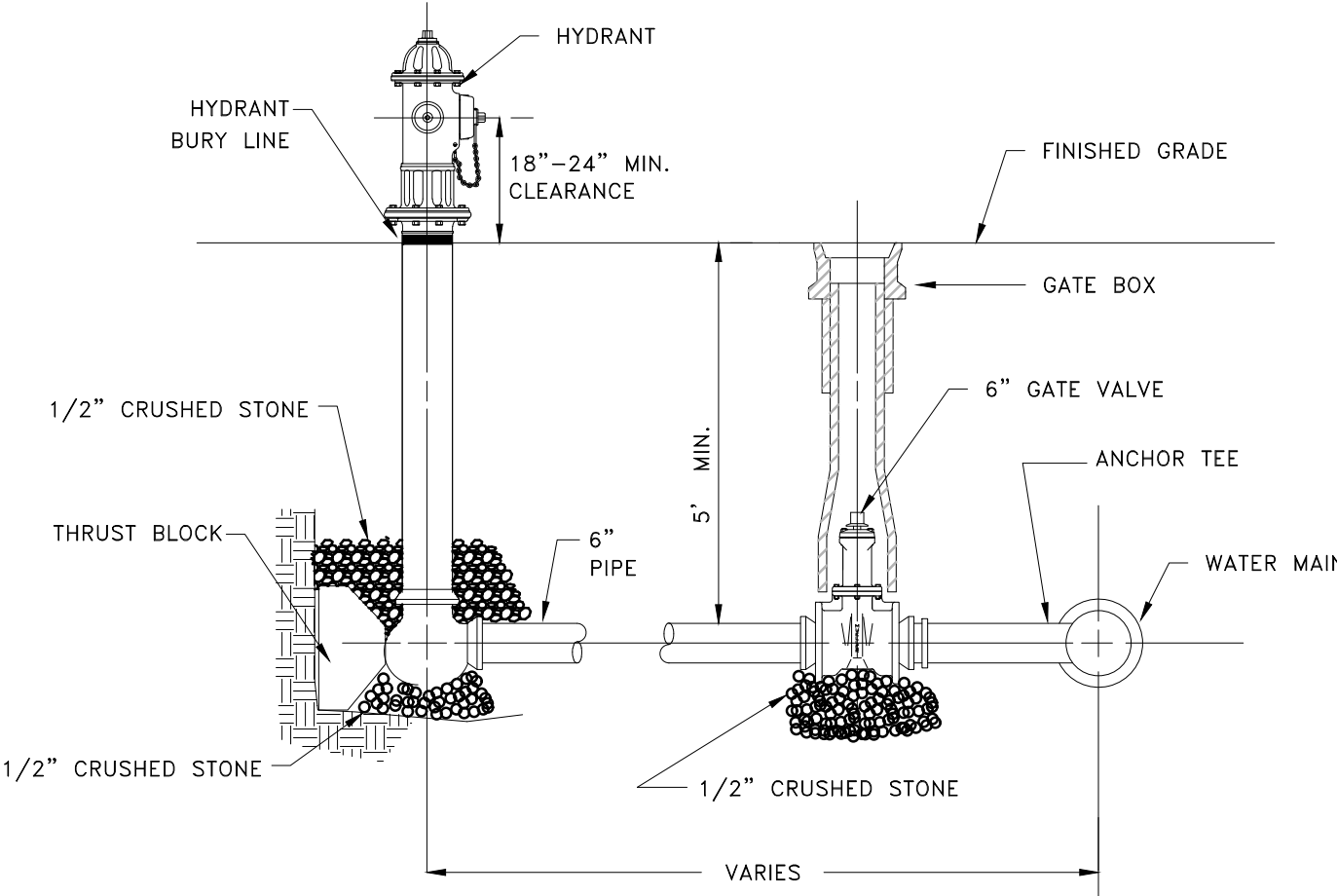


WATER SPIGOT DETAIL
NOT TO SCALE

NOTE:
HOSE BIB SHALL BE EQUIPPED WITH WATER FAUCET LOCK.

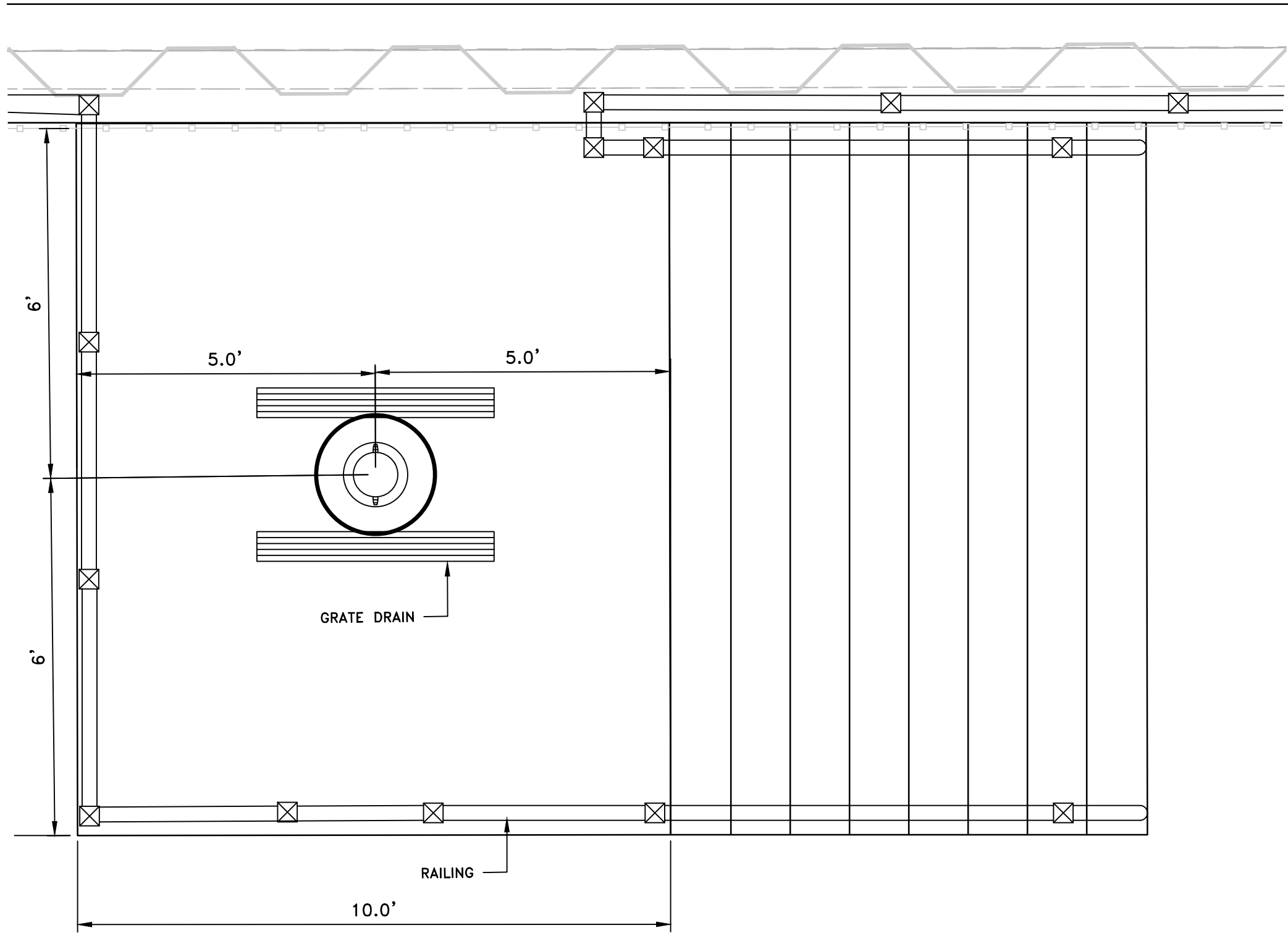


HYDRANT RELOCATION PLAN
SCALE: 1"=10'

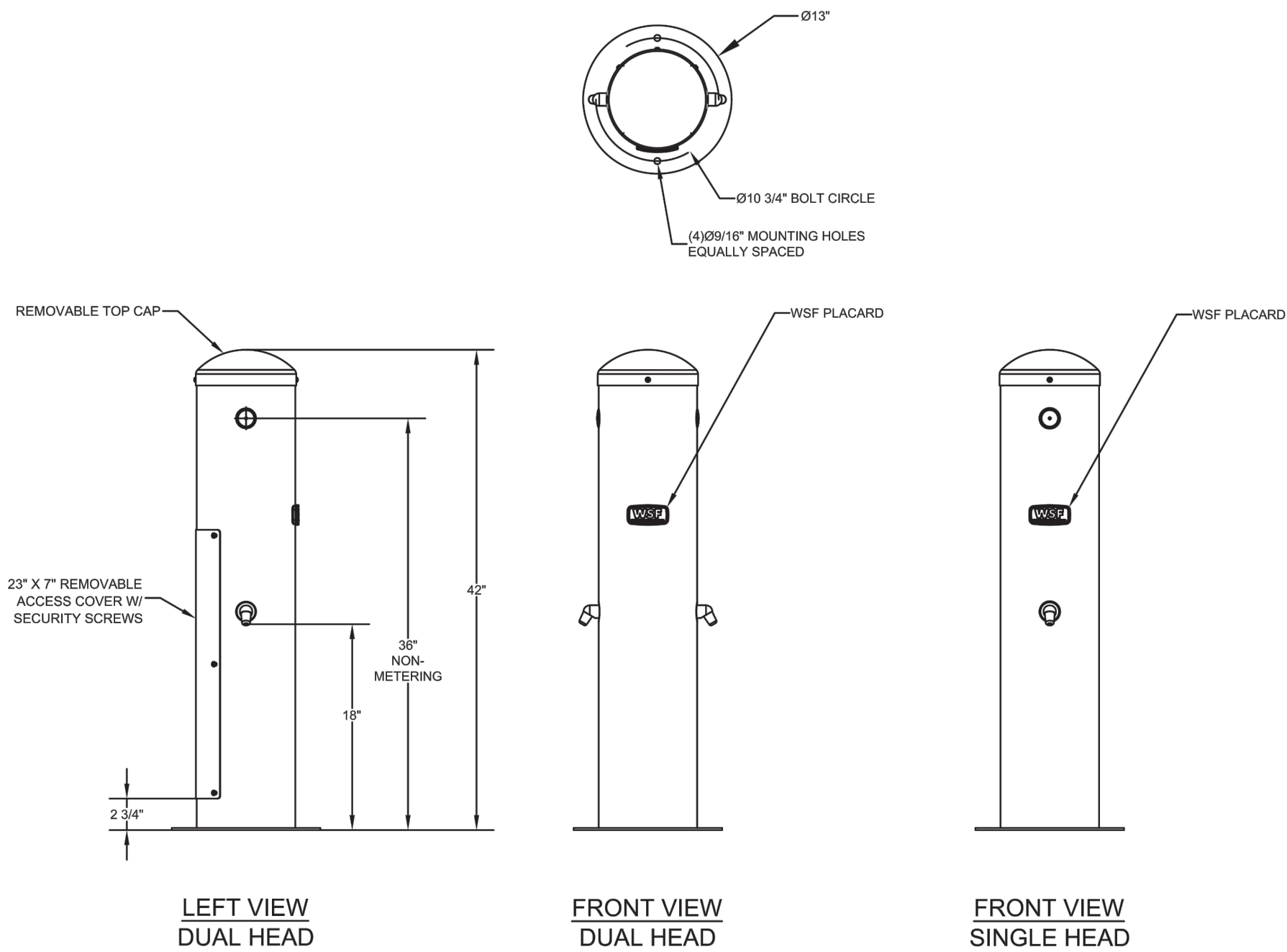


NOTES:
1. ALL HYDRANT, VALVE, AND TEE JOINTS TO BE RESTRAINED MECHANICAL JOINTS.
2. DEPTH OF HYDRANT BURY SHALL SUIT INSTALLED DEPTH OF COVER OVER WATER MAIN. INSTALL RISERS AS NECESSARY AT NO ADDITIONAL COST TO THE OWNER.
3. 6" PIPE MATERIAL TO MATCH WATER MAIN MATERIAL.

HYDRANT ASSEMBLY DETAIL
NOT TO SCALE

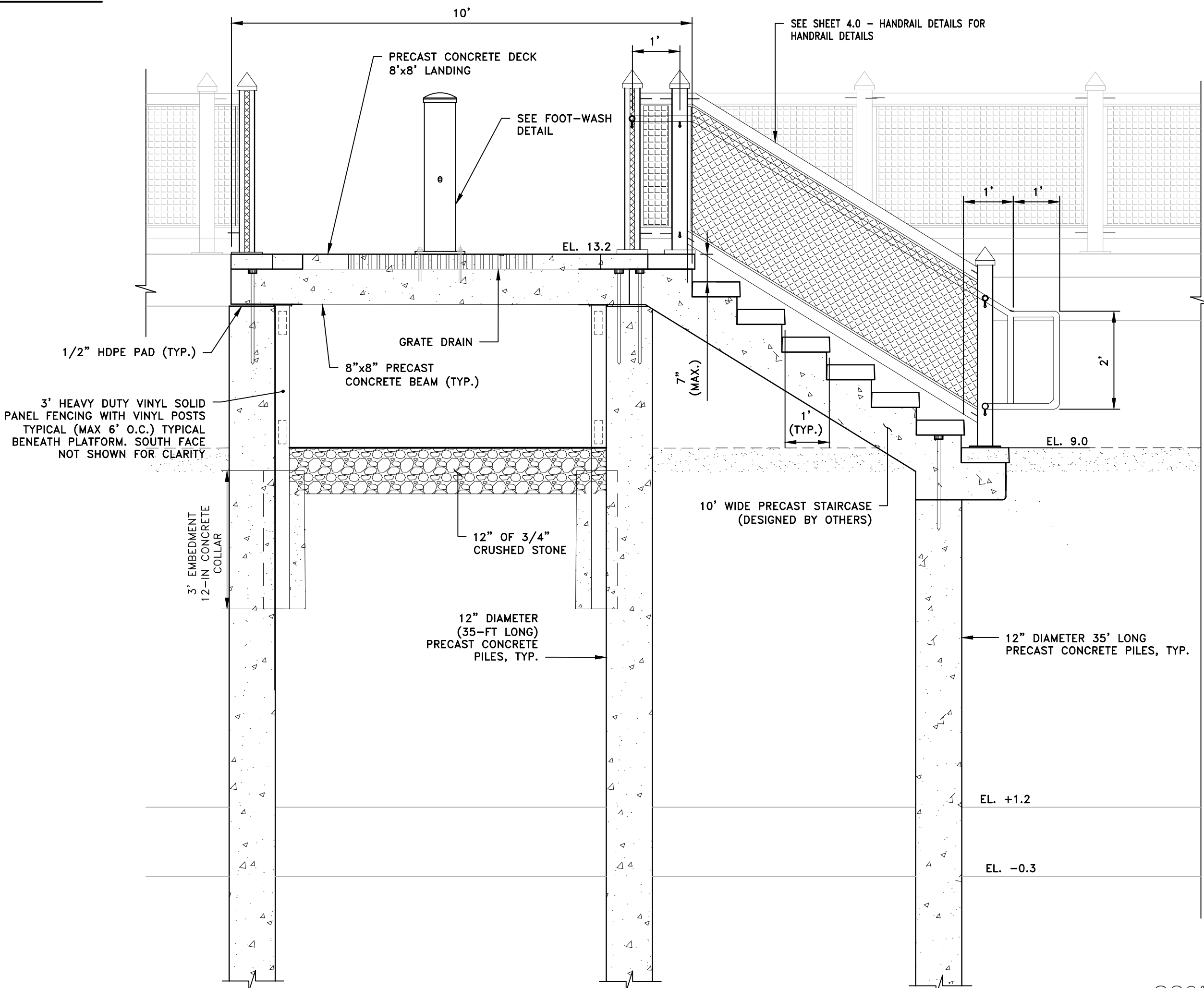


FOOT WASHING STATION PLAN
SCALE: 1"=10'



FOOT WASHING CONNECTION DETAIL
NOT TO SCALE

NOTE:
1. FOOT WASH STATION SHALL BE WILLOUGHBY WODFS SERIES STAINLESS STEEL OUTDOOR FOOT SHOWER OR PRE-APPROVED EQUIVALENT.



FOOT WASHING STATION DETAIL
SCALE: 1"=2'-0"

90% DESIGN SUBMISSION
NOT FOR CONSTRUCTION



SCALE ADJUSTMENT GUIDE
0' 1'
BAR IS ONE INCH ON ORIGINAL DRAWING

**ROGER WHEELER STATE BEACH
BOARDWALK**
NARRAGANSETT, RHODE ISLAND
RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT



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MISCELLANEOUS
WATER DETAILS

SHEET NO.:
4.2

