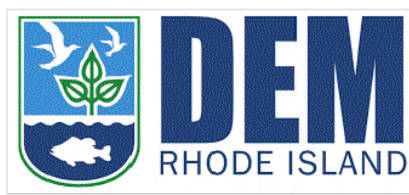


CHASE MARINA

169 RIVERSIDE DRIVE
TIVERTON, RHODE ISLAND

PERMITTING
OCTOBER, 2025

PREPARED FOR:

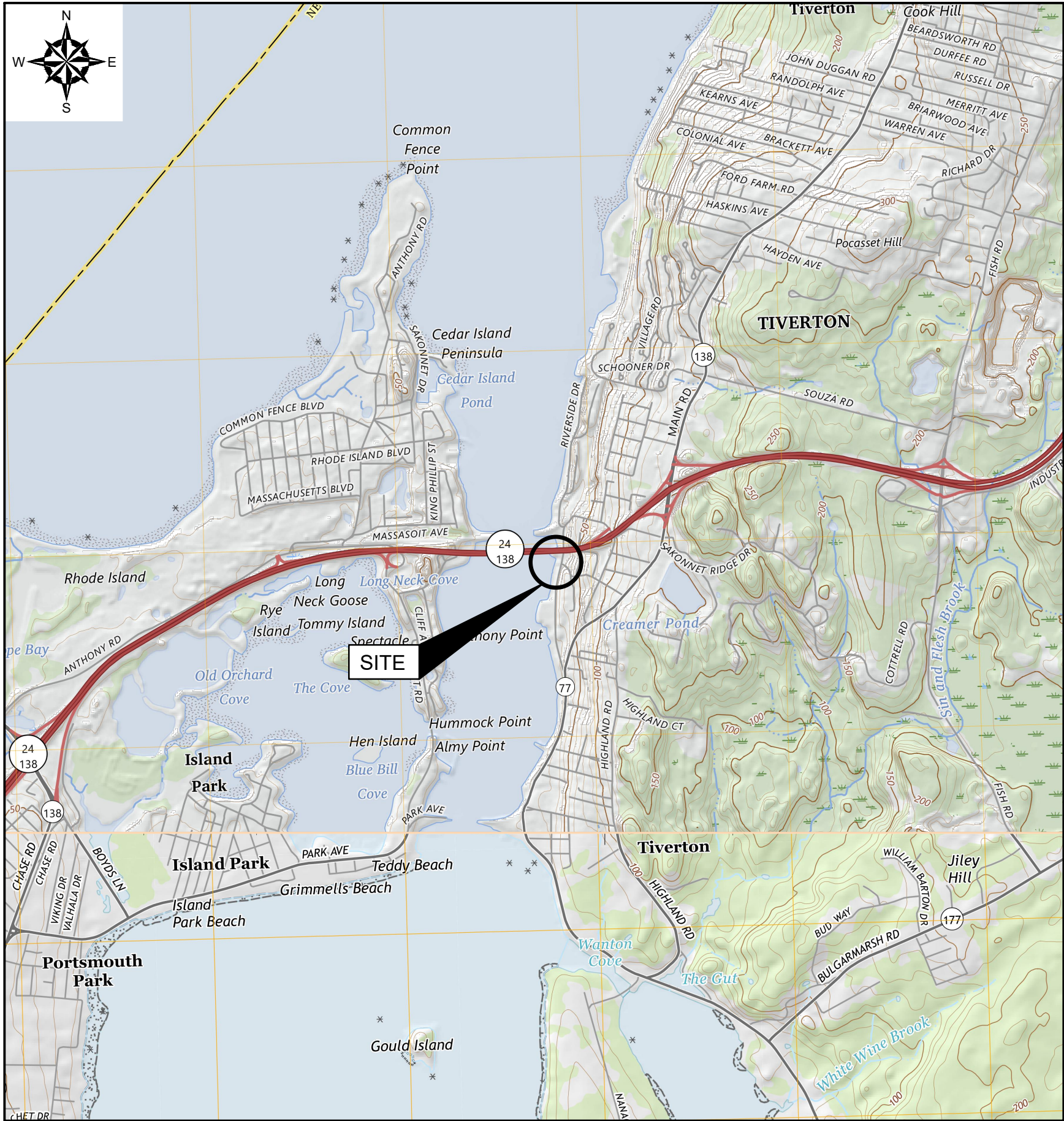


RHODE ISLAND DEPARTMENT
OF ENVIRONMENTAL MANAGEMENT
301 GREAT ISLAND ROAD
NARRAGANSETT, RHODE ISLAND

DESIGNED BY:



GZA GEOENVIRONMENTAL, INC.
188 VALLEY ST. SUITE 300
PROVIDENCE RHODE ISLAND, 02909

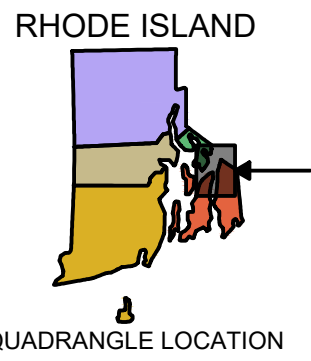


PROJECT LOCUS MAP

0 1000' 2000' 4000' 6000'
SCALE IN FEET 1" = 2000'

SOURCE: USGSSTORE.GOV
BASE MAP FROM THE FOLLOWING USGS QUADRANGLE MAP:
TIVERTON, RHODE ISLAND (2021), FALL RIVER, MASSACHUSETTS (2021)
DIGITAL TOPOGRAPHIC MAPS PROVIDED BY USGSSTORE.GOV.

CONTOUR ELEVATIONS REFERENCE NAVD 88.
CONTOURS ARE SHOWN IN FEET AT 10 FOOT INTERVALS.



PROJECT VICINITY MAP

0 1000' 2000' 4000' 6000'
SCALE IN FEET 1" = 2000'

BASE MAP DEVELOPED FROM RIGIS AERIAL IMAGERY
PUBLISHED IN APRIL 2019.

INDEX OF DRAWINGS	
SHEET No.	SHEET TITLE
1	COVER SHEET AND INDEX OF DRAWINGS
2	GENERAL NOTES
3	EXISTING CONDITIONS PLAN
4	EXISTING CONDITIONS SECTIONS
5	TEMPORARY CONTROLS PLAN - PHASE I
6	TEMPORARY CONTROLS DETAILS
7	DEMOLITION PLAN
8	DEMOLITION SECTIONS
9	PROPOSED CONDITIONS PLAN - PHASE I
10	PROPOSED CONDITIONS SECTIONS - PHASE I
11	PROPOSED TIMBER DETAILS - PHASE I
12	PROPOSED GANGWAY-DOCK DETAILS - PHASE I
13	PROPOSED BULKHEAD-OUTFALL DETAILS - PHASE I
14	PROPOSED CONDITIONS AND FINAL CONDITIONS PLAN - PHASE II
15	PROPOSED CONDITIONS SECTIONS - PHASE II

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OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE
RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

REFERENCE NOTES

EXISTING CONDITIONS PLAN BASE MAP DEVELOPED FROM THE FOLLOWING:

1. BASE MAP DEVELOPED FROM ELECTRONIC DRAWING FILE 8630A TOPO SHIPPED 2024-09-16, PREPARED BY DOUCET SURVEY AND TRANSMITTED TO GZA ON SEPTEMBER 16, 2024..
2. BATHYMETRIC SURVEY PERFORMED BY GZA IN SEPTEMBER, 2024..
3. LOCATION OF OVERHEAD BRIDGE APPROXIMATED USING GOOGLE EARTH IMAGERY.

GENERAL NOTES

1. LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE ONLY, AND ARE NOT WARRANTED TO BE CORRECT. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT INDICATED ON THESE PLANS. ALL EXISTING UTILITIES SHALL BE VERIFIED FOR SERVICE, SIZE, INVERT ELEVATION, LOCATION, ETC. PRIOR TO ANY CONSTRUCTION WORK IN THE VICINITY THEREOF. THE CONTRACTOR MUST NOTIFY DIGSAFE (PHONE NUMBER: 811) AT LEAST 3 FULL WORKING DAYS PRIOR TO ANY CONSTRUCTION. APPROPRIATE MUNICIPAL DEPARTMENTS MUST ALSO BE NOTIFIED. NOTIFY OWNER AND ENGINEER IN WRITING OF ANY AND ALL DISCREPANCIES PRIOR TO COMMENCING WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINDING, VERIFYING, AND RE-SETTING (IF NECESSARY) CONTROL POINTS AND BENCHMARKS FOR THE WORK OF THE CONTRACT OR OTHERWISE ESTABLISHING THEIR OWN.
3. THE RESPONSIBILITY FOR SAFETY IN, ON, OR ABOUT THE JOBSITE SHALL BE THAT OF THE CONSTRUCTION CONTRACTOR. THESE DRAWINGS DO NOT INCLUDE COMPONENTS WHICH MAY BE NECESSARY FOR CONSTRUCTION SAFETY.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION, EXCEPT WHERE SPECIFICALLY DETAILED IN THE PLANS. LIKEWISE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SEQUENCE OF THE WORK, EXCEPT WHERE SPECIFICALLY DETAILED IN THE PLANS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURFACE AND GROUNDWATER CONTROL DURING THE WORK OF THE CONTRACT. TEMPORARY WATER CONTROL MEASURES SHALL BE, AT MINIMUM, AS REQUIRED BY THE PROJECT PLANS, SPECIFICATIONS, AND PERMIT CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADDITIONAL MEASURES NECESSARY FOR WATER CONTROL NECESSARY TO EXECUTE THE WORK OF THE CONTRACT "IN THE DRY". WATER CONTROL MEASURES ARE SUBJECT TO SPECIFIC LIMITS AND CONDITIONS AS MAY BE SHOWN ON THE PLANS.
6. ACCESS TO THE SITE SHALL BE FROM RIVERSIDE DRIVE. THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY CONSTRUCTION AS PER THE PLANS AND SPECIFICATIONS. WHERE NO SPECIFIC INSTRUCTION IS GIVEN, RESTORATION SHALL BE TO THE ORIGINAL CONDITION OR BETTER AND AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR IS SPECIFICALLY INFORMED THAT THE RESTORATION REQUIREMENT APPLIES TO ALL AREAS DISTURBED AS A RESULT OF THE PROJECT, INCLUDING ACCESS ROADS.
7. CONTRACTOR STAGING AREAS SHALL BE WITHIN LIMITS OF WORK AS DELINEATED ON THE PLANS. THE CONTRACTOR SHALL USE THESE AREAS AND THESE AREAS ONLY FOR ON-SITE PARKING, OFFICE TRAILERS (IF NECESSARY), EQUIPMENT AND MATERIAL STORAGE, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY SIGNAGE, FENCING, SAFETY, SEDIMENT/EROSION CONTROL IMPROVEMENTS, RESTORATIONS, ETC. IN THESE AREAS. AREAS WITHIN THE LIMITS OF THE WORK MAY BE USED FOR TEMPORARY STORAGE, HAUL ROADS, PARKING, ETC.; HOWEVER, NO ADDITIONAL CONSIDERATIONS OR PAYMENT WILL BE MADE FOR WORK NECESSARY TO RE-GRADE AND RESTORE SUCH AREAS TO PRE-CONSTRUCTION CONDITIONS OR RELOCATE ANY MATERIALS OR EQUIPMENT TEMPORARILY STORED WITHIN THE LIMITS OF THE WORK. IF THE CONTRACTOR REQUIRES AND IDENTIFIES ADDITIONAL STAGING AREAS ON THE OWNER'S PROPERTY, THE CONTRACTOR SHALL MAKE A WRITTEN REQUEST TO THE OWNER AND ENGINEER DESCRIBING THE NEED AND LOCATION OF THE PROPOSED AREA. NO GUARANTEE IS MADE THAT ADDITIONAL STAGING AREAS WILL BE MADE AVAILABLE.
8. PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL DEVELOP, SUBMIT, AND MAINTAIN AN EMERGENCY CONTACT LIST WITH NAMES AND PHONE NUMBERS (DAY AND NIGHT) OF ALL KEY PERSONNEL INVOLVED WITH THE PROJECT. THE LIST SHALL SPECIFICALLY INCLUDE THE PERSON FROM THE CONTRACTOR WHO SHALL BE RESPONSIBLE FOR ENVIRONMENTAL COMPLIANCE. THE LIST SHALL BE PROVIDED TO THE OWNER, ENGINEER, AND RIDEM AND UPDATED AS NEEDED.
9. THE CONTRACTOR IS RESPONSIBLE FOR ALL PENALTIES AND DELAYS DUE TO NON-COMPLIANCE WITH PERMIT CONDITIONS.
10. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD.

EROSION AND SEDIMENTATION CONTROL

1. TEMPORARY CONTROL OF EROSION AND SEDIMENT DISCHARGE IS REQUIRED THROUGHOUT THE DURATION OF THE PROJECT AND UNTIL PROPOSED STABILIZATION IS ACHIEVED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THE AREAS WITHIN THE LIMITS OF WORK AND BEYOND FROM SEDIMENT AND/OR POLLUTANTS ORIGINATING FROM ANY WORK DONE ON OR IN SUPPORT OF THE PROJECT, INCLUDING SEDIMENT DUE TO EROSION FROM STORMWATER RUNOFF.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES NECESSARY TO EXECUTE AND COMPLETE THE WORK OF THE CONTRACT, IN COMPLIANCE WITH THE TERMS AND CONDITIONS CONTAINED IN THE CONTRACT, PROJECT PERMITS AND ALL STATE AND LOCAL ORDINANCES THAT APPLY. CONTROLS SHOWN ON THE CONTRACT DRAWINGS SHALL BE CONSIDERED MINIMUM REQUIREMENTS. THE CONTRACTOR SHALL EMPLOY WHATEVER SUPPLEMENTARY MEASURES NECESSARY TO PROTECT WATER, AND ADJACENT AREAS FROM DISTURBANCE OR DISCHARGE OF SEDIMENTS.
3. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT MIGRATION INTO WATER BY SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, CONCRETE, OR ANY OTHER POLLUTANTS ASSOCIATED WITH CONSTRUCTION PROCEDURES.
4. ACTUAL LOCATION OF EROSION CONTROLS AND BEST MANAGEMENT PRACTICES (BMP) MAY VARY DUE TO FIELD CHANGES, ONGOING CONSTRUCTION, ACCESS NEEDS, WEATHER, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING THESE CHANGES AND ADJUSTING EROSION CONTROLS AND BMP LOCATIONS ACCORDINGLY. IN PARTICULAR, THE CONTRACTOR SHALL COORDINATE THE INSTALLATION AND RELOCATION OF BMPS WITH PROJECT PHASING, AS NECESSARY.
5. ALL EROSION CONTROLS AND BMPS SHALL REMAIN IN PLACE, EXCEPT AS OTHERWISE NECESSARY, UNTIL CONSTRUCTION IS COMPLETED AND PROPOSED STABILIZATION IS ACHIEVED. ALL CONTROLS AND BMPS SHALL BE SUBJECT TO INSPECTION BY THE OWNER AND THEIR REPRESENTATIVE AT ANYTIME THEREAFTER.
6. ADDITIONAL EROSION CONTROL BARRIERS SHALL BE INSTALLED AT THE DIRECTION OF THE ENGINEER TO MINIMIZE THE THREAT OF ADVERSE IMPACT DURING THE CONSTRUCTION PROCESS. AN ADEQUATE SUPPLY OF REPLACEMENT EROSION CONTROL BARRIERS WILL BE AVAILABLE ON-SITE FOR EMERGENCY PURPOSES.
7. PERIODIC INSPECTION, MAINTENANCE, AND CLEANING OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND BMPS ARE REQUIRED. ALL CONTROLS AND BMPS SHALL BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF RAINFALL EVENTS OF 0.5 INCHES OR GREATER. ROUTINE INSPECTION AND MAINTENANCE WILL REDUCE THE CHANCE OF POLLUTING STORMWATER BY FINDING AND CORRECTING PROBLEMS BEFORE THE NEXT RAIN EVENT. THE CONTRACTOR WILL BE REQUIRED TO KEEP A WRITTEN, UPDATED SITE MAINTENANCE LOG DOCUMENTING INSPECTION AND MAINTENANCE ACTIVITY.
8. CONTRACTOR SHALL PROVIDE AND MAINTAIN TURBIDITY CURTAINS AND IS RESPONSIBLE FOR DETERMINING LAYOUT AND INSTALLATION PROCEDURES IN ACCORDANCE WITH CONTRACT DOCUMENTS.
9. TURBIDITY CURTAINS SHALL BE INSTALLED TO SURROUND THE LIMIT OF WORK, AS NEEDED, INCLUDING BUT NOT LIMITED TO DEMOLITION AND WALL CONSTRUCTION.

WATER CONTROL NOTES

1. TEMPORARY WATER CONTROL BY THE CONTRACTOR SHALL BE PERFORMED AS SPECIFIED IN THE CONTRACT DOCUMENTS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY WATER CONTROL, SURFACE WATER AND GROUNDWATER CONTROL, NECESSARY TO EXECUTE AND COMPLETE THE WORK OF THE CONTRACT SUBJECT TO THE RESTRICTIONS CONTAINED IN THE CONTRACT AND PROJECT PERMITS. CONTROLS SHOWN IN THE CONTRACT DRAWINGS SHALL BE CONSIDERED MINIMUM REQUIREMENTS. THE CONTRACTOR SHALL EMPLOY WHATEVER SUPPLEMENTARY MEASURES NECESSARY TO PROTECT THE SITE AND THE WORK.
3. ALL TEMPORARY WATER CONTROL MEASURES SHALL BE IMPLEMENTED IN CONJUNCTION WITH APPROPRIATE SEDIMENT AND EROSION CONTROL MEASURES SO AS TO MINIMIZE TO THE GREATEST EXTENT POSSIBLE RELEASE OF SEDIMENT INTO WATER BODIES AND POTENTIAL EROSION OF SOIL.
4. ANY TEMPORARY PUMPS USED AT THE SITE MUST BE PROPERLY BAFFLED AGAINST EXCESSIVE NOISE. PUMPS OR GENERATORS WHICH USE LIQUID FUEL MUST BE PLACED WITHIN AN IMPERMEABLE SECONDARY CONTAINMENT AREA WITH SUFFICIENT CAPACITY TO CONTAIN THE FULL VOLUME OF THE FUEL TANK.
5. WATER PUMPED FROM THE EXCAVATIONS MUST BE PASSED THROUGH A PUMPED WATER FILTER BAG OR OTHER SUCH BEST MANAGEMENT PRACTICE FEATURE PRIOR TO BEING DISCHARGED BACK TO A WATER BODY. DISCHARGE WATER SHALL MEET APPROPRIATE WATER QUALITY STANDARDS.
6. PUMPED WATER DISCHARGE AREAS MUST BE PROPERLY PROTECTED TO PREVENT EROSION BY HIGH VELOCITY FLOW.

CONSTRUCTION NOTES:

1. THE CONTRACTOR AND/OR SUBCONTRACTORS MUST SHOW EVIDENCE OF PRIOR EXPERIENCE AND SUCCESSFUL COMPLETION OF THE TYPE OF REPAIR WORK INDICATED.

LAYOUT NOTES:

1. ALL LINES ARE PERPENDICULAR OR PARALLEL TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.
2. WALL LAYOUTS SHALL BE FIELD ADJUSTED TO PROVIDE THE MINIMUM WALKWAY OR GROUND FEATURE DIMENSIONS AS SHOWN ON THE PLANS.

LOAM AND SEED NOTES:

1. CONTRACTOR SHALL APPLY FERTILIZER AND LOAM TO PREPARE TOPSOIL SURFACE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
2. CONTRACTOR SHALL SEED ENTIRE DISTURBED AREA AS INDICATED IN THE PROJECT DOCUMENTS.
3. CONTRACTOR SHALL MULCH ENTIRE SEEDED AREA WITH STRAW MULCH TO HELP DEVELOP AN ACCEPTABLE STAND OF GRASS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE SEEDED AREA THROUGH ONE GROWING SEASON, MAINTENANCE INCLUDES MOWING, WATERING, AND RE-SEEDING AS REQUIRED TO DEVELOP A SATISFACTORY STAND OF HEALTHY GRASS.

DEMOLITION NOTES:

1. EXCAVATED MATERIALS SUSPECTED OF CONTAMINATION SHALL BE SEPARATED, AND WRAPPED IN POLYTHENE SHEETING STOCKPILED ON-SITE FOR EVALUATION BY THE ENGINEER.
2. CONTRACTOR SHALL EXERCISE EXTREME CAUTION TO AVOID DAMAGE TO ANY EXISTING UTILITIES AND STRUCTURES TO REMAIN IN PLACE DURING CONSTRUCTION AND/OR AFTER CONSTRUCTION IS COMPLETE.
3. ALL MATERIALS REMOVED AND NOT SPECIFIED TO BE SALVAGED OR REUSED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND LEGALLY DISPOSED OF OFF-SITE.

MATERIAL NOTES:

1. MATERIAL AND PRODUCT REQUIREMENTS, WHERE REFERENCED AS RIDOT, THE REQUIREMENT REFERS TO THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE DESIGN "BLUE BOOK", LATEST EDITION.

GRAVEL BORROW: M.01.02.1

CRUSHED STONE: M.01.06

COMMON FILL: M.01.01

LOAM: L.01.01.1 / M.18.01

FILTER FABRIC: NON-WOVEN FABRIC, INERT TO UV LIGHT, EQUAL IN PROPERTIES TO MIRAFI 180N OR APPROVED EQUAL

2. REINFORCING SHALL HAVE A MINIMUM OF 2 INCHES OF COVER WHEN CONCRETE IS CAST AGAINST FORMWORK. FOR CONCRETE CAST AGAINST EARTH, THE COVER SHALL BE 3 INCHES MINIMUM.

CONCRETE NOTES:

CONCRETE - 28-DAY COMPRESSIVE STRENGTH OF 5,000 PSI MINIMUM
3/4 INCH MAXIMUM AGGREGATE SIZE
AIR CONTENT OF 5.0% - 7.0%
COLD WEATHER OR HOT WEATHER REQUIREMENTS AS APPLICABLE AND AS DETERMINED BY THE ENGINEER

CEMENT - PORTLAND CEMENT, ASTM C 150, TYPE II

REINFORCING STEEL NOTES:

REINFORCING BAR: ASTM A 615, GRADE 60, GALVANIZED ASTM A 123, ASTM A 153

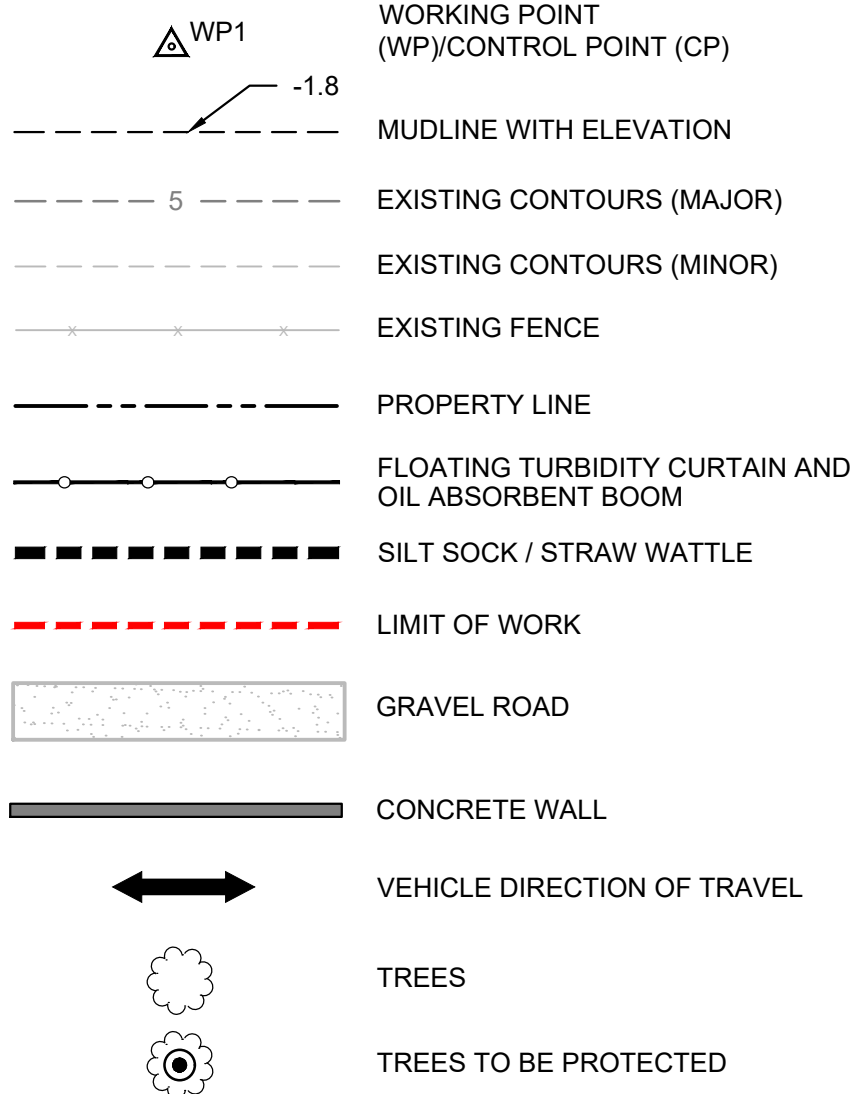
DOWELS: ASTM A 615, GRADE 60, GALVANIZED ASTM A 123, ASTM A 153

GROUT: TWO-COMPONENT TYPE EPOXY ADHESIVE SIKADUR 32, HI MOD OR APPROVED EQUAL

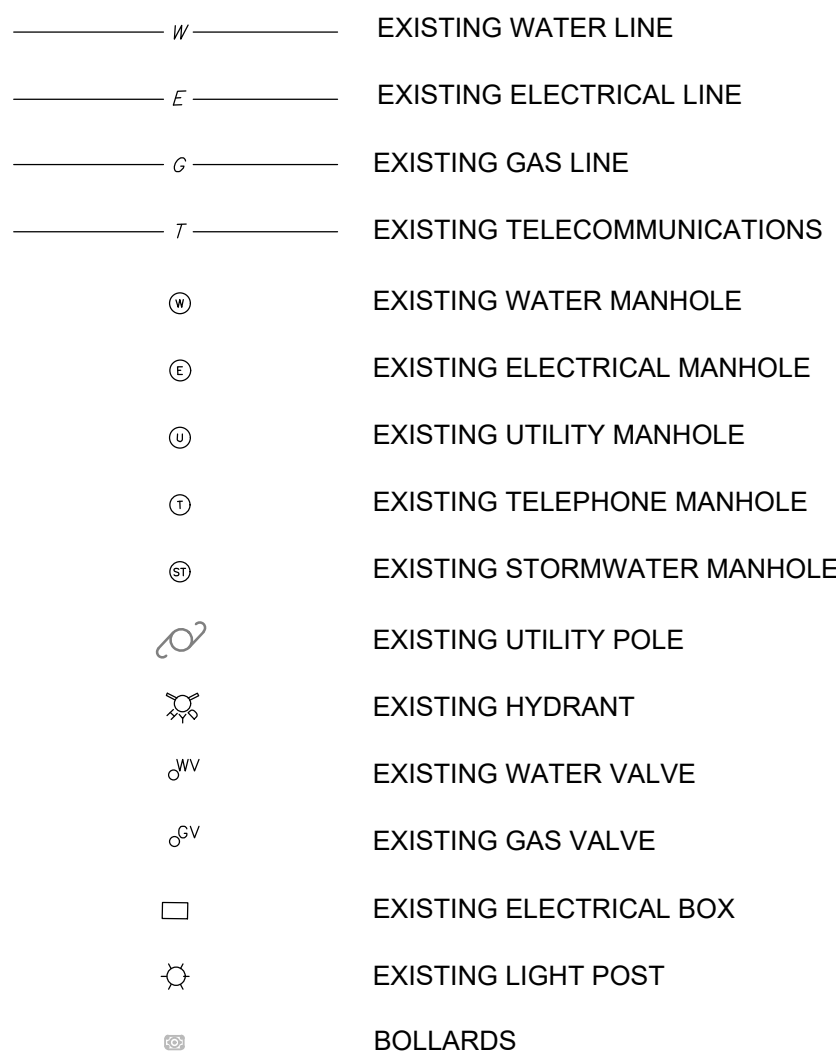
DESIGN CRITERIA:

- A. AMERICAN CONCRETE INSTITUTE, ACI 318, (LATEST EDITION)
- B. STEEL CONSTRUCTION MANUAL, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (LATEST EDITION)
- C. WELDING OF STRUCTURAL AND MISCELLANEOUS STEEL - STRUCTURAL WELDING CODE (LATEST EDITION)
- D. RHODE ISLAND BUILDING CODE

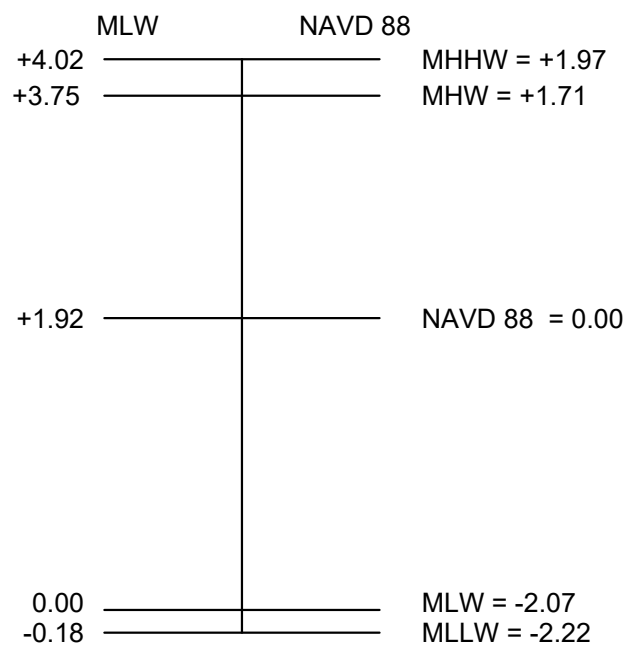
LEGEND



UTILITIES LEGEND:



TIDAL ELEVATIONS



NOTE:
TIDAL ELEVATIONS ARE REFERENCED TO NOAA STATION 8450948, ANTHONY POINT, TIVERTON, RI.

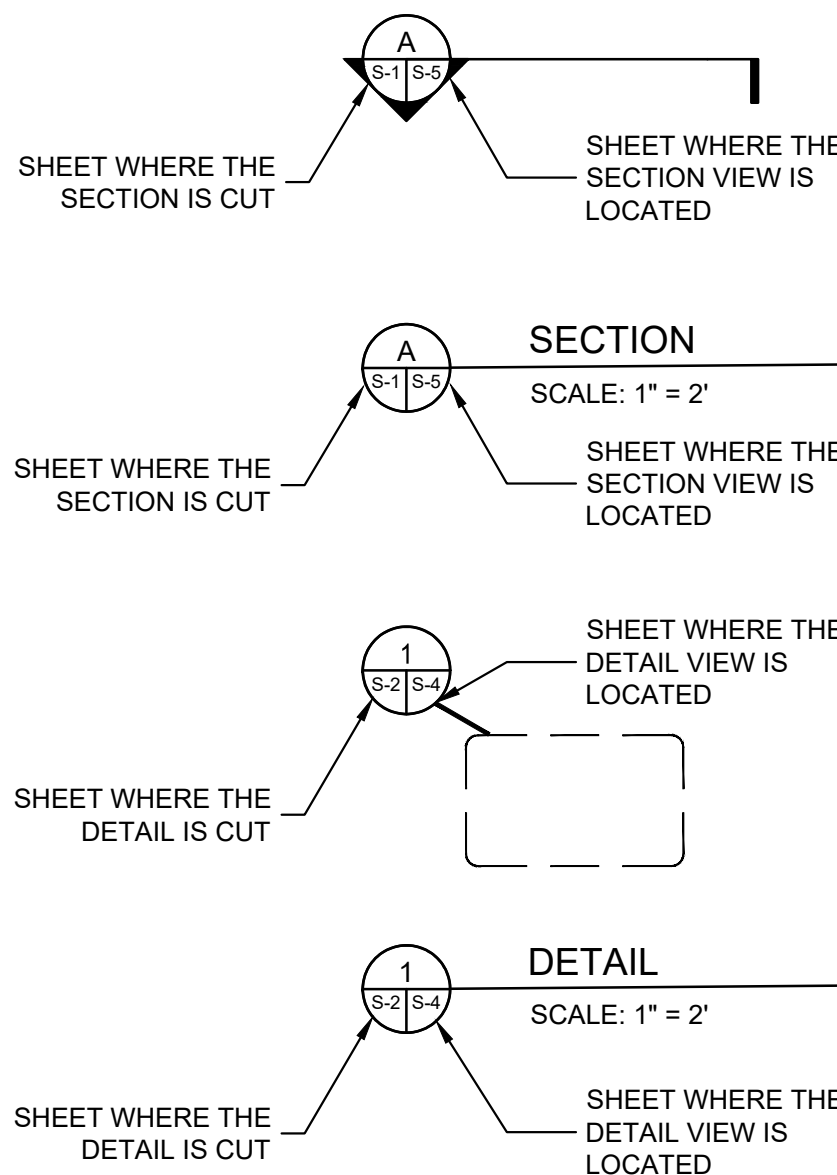
SURVEY AND PROJECT DATUM:

1. ALL ELEVATIONS SHOWN ON PLANS ARE IN U.S. FEET AND REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
2. COORDINATES ARE BASED ON NORTH AMERICAN DATUM OF 1983 (NAD83), RHODE ISLAND STATE PLANE, EASTERN ZONE, U.S. FEET (RI83-EF).
3. CONTRACTOR SHALL MAINTAIN ADEQUATE SURVEY CONTROL AT ALL TIMES TO ESTABLISH AND MAINTAIN ALL LINES AND ELEVATIONS.

ABBREVIATIONS AND ACRONYMS

CON	CITY OF NEWPORT
DIA.	DIAMETER
D.I.	DUCTILE IRON
EL.	ELEVATION
HASP	HEALTH AND SAFETY PLAN
HDPE	HIGH-DENSITY POLYETHYLENE
INV.	INVERT
MHHW	MEAN HIGH, HIGH WATER
MHW	MEAN HIGH WATER
MIN.	MINIMUM
MLLW	MEAN LOW, LOW WATER
MLW	MEAN LOW WATER
NOAA	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
OHW	OVERHEAD WIRES
PCP	PRE-CAST PIPE
STA.	STATION
TYP.	TYPICAL
N / F	NON OR FORMERLY

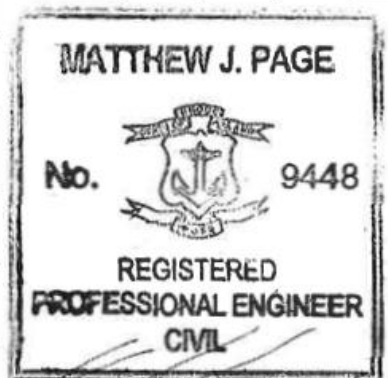
ANNOTATIONS AND LABELS



PREPARED FOR:



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REV	DESCRIPTION	DATE	BY

PROJECT NO:	35429.00
DATE:	OCTOBER, 2025
PROJECT MGR:	TWS
DESIGNED BY:	JTF
DRAWN BY:	GRB
CHECKED BY:	TWS
REVIEWED BY:	MJP
SCALE:	AS NOTED
REVISION NO.	

CHASE MARINA
169 RIVERSIDE DRIVE
TIVERTON, RHODE ISLAND

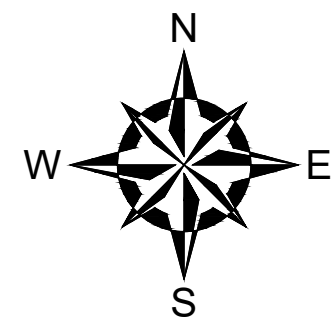
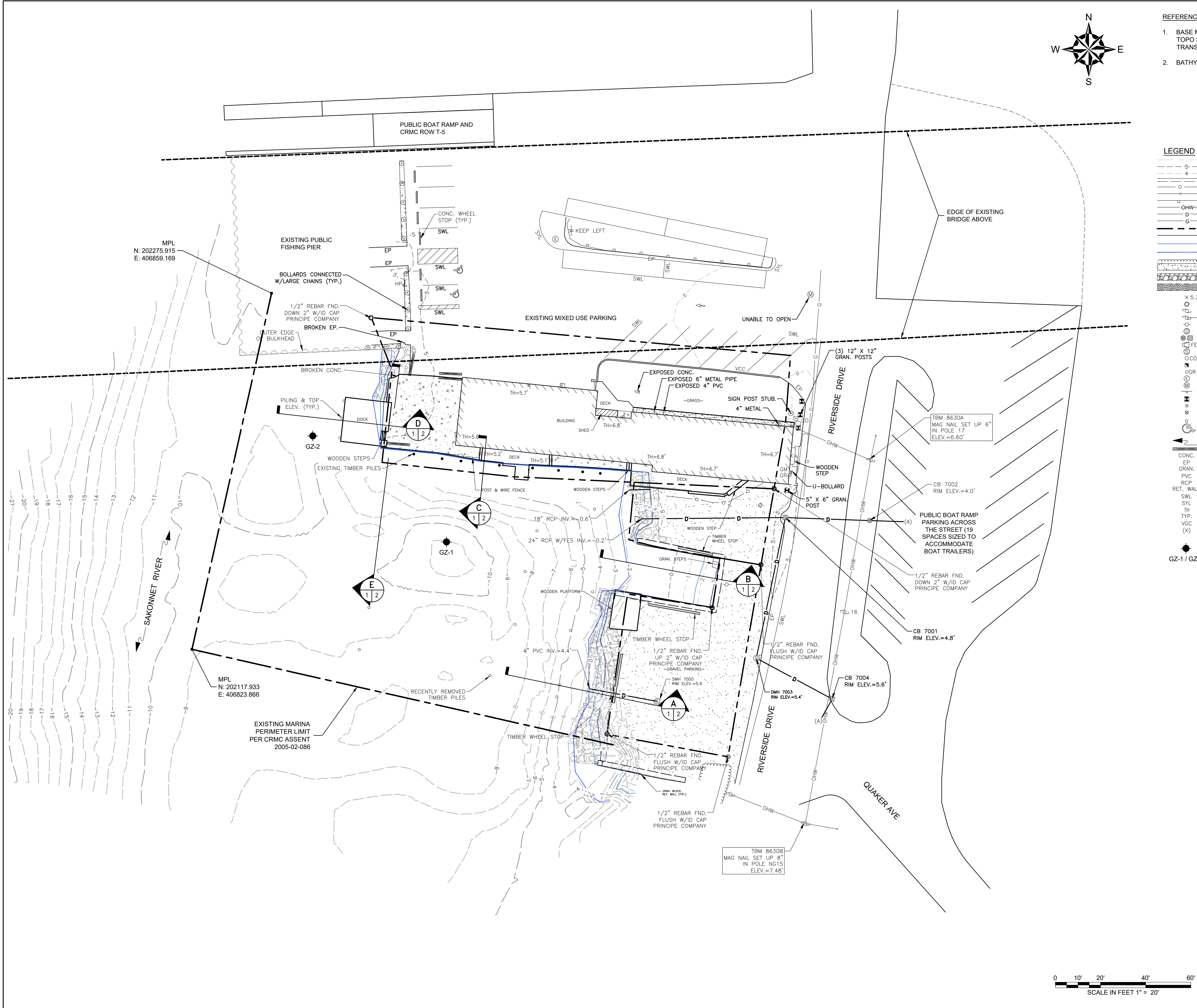
GENERAL NOTES

DRAWING

2

SHEET NO. 2 OF 15

APPROVED:



REFERENCE NOTES:

1. BASE MAP DEVELOPED FROM ELECTRONIC DRAWING FILE 8630A TOPO SHIPPED 2024-09-16 PREPARED BY DOUCET SURVEY TRANSMITTED TO GZA ON SEPTEMBER 16, 2024.
2. BATHYMETRIC SURVEY PERFORMED BY GZA IN SEPTEMBER, 2024.

LEGEND

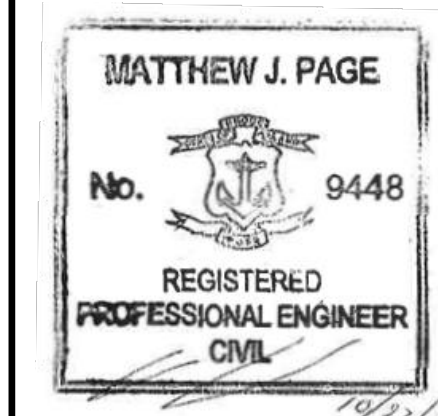
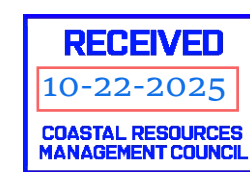
- APPROXIMATE LOT LINE PER REF. PLAN
- MAJOR CONTOUR LINE
- MINOR CONTOUR LINE
- RETAINING WALL
- CHAIN LINK FENCE
- HANDRAIL
- GUARDRAIL
- OVERHEAD WIRE
- DRAIN LINE
- GAS LINE
- PROPERTY BOUNDARY
- HIGH TIDE LINE (HTL) = EL. 3.2'
- MEAN HIGH WATER (MHW) = EL. 1.71'
- MEAN LOW WATER (MLW) = EL. -2.07'
- SHRUB LINE
- CONCRETE
- RIP RAP
- CRUSHED STONE
- SPOT GRADE
- PIPE/ROD FOUND
- UTILITY POLE
- UTILITY POLE & GUY WIRE
- UTILITY POLE STUB
- DRAIN MANHOLE
- CATCH BASIN
- FLARED END SECTION
- SEWER MANHOLE
- CLEANOUT
- GAS METER
- GAS REGULATOR VALVE
- ELECTRIC MANHOLE
- MANHOLE
- SIGN
- SQUARE POST
- POST
- WOODEN PILING & TOP ELEVATION
- ACCESSIBLE PARKING SPACE
- FLOW DIRECTION
- JERSEY BARRIER
- CONCRETE
- EDGE OF PAVEMENT
- GRANITE
- POLYVINYL CHLORIDE PIPE
- REINFORCED CONCRETE PIPE
- RETAINING WALL
- SINGLE WHITE LINE
- SINGLE YELLOW LINE
- THRESHOLD ELEVATION
- TYPICAL
- VERTICAL GRANITE CURB
- INVERT I.D. CONNECTION UNKNOWN
- TEST BORINGS PERFORMED BY REAGAN MARINE CONSTRUCTION ON FEBRUARY 25 AND 26, 2025 AND OBSERVED BY GZA.



PREPARED FOR:



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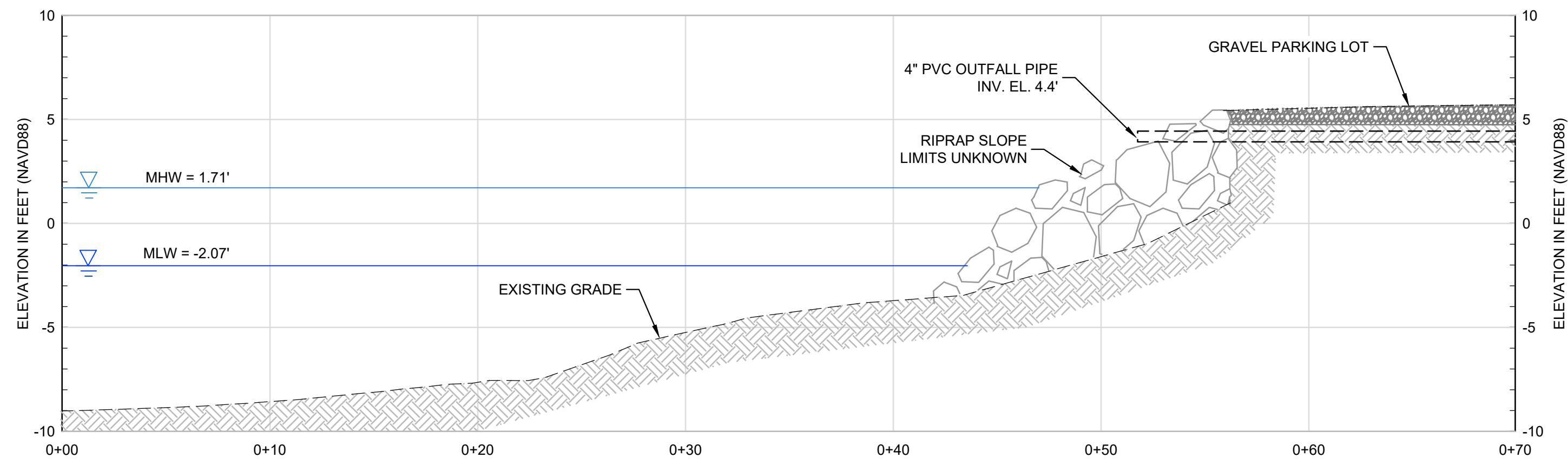
PROJECT NO:	35429.00
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CHASE MARINA
169 RIVERSIDE DRIVE
TIVERTON, RHODE ISLAND

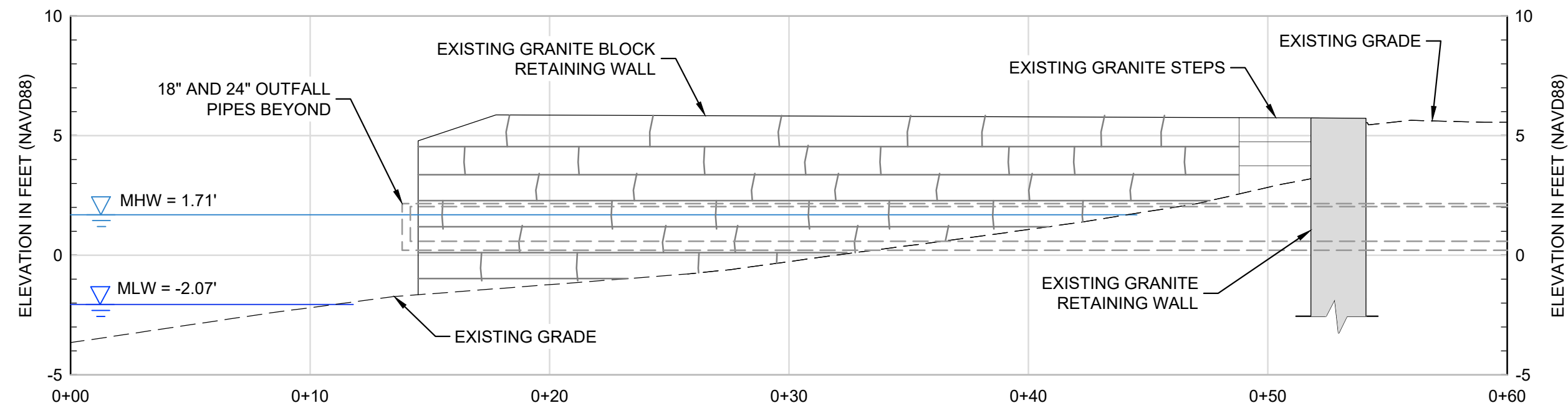
EXISTING CONDITIONS PLAN

DRAWING
3
SHEET NO. 3 OF 15

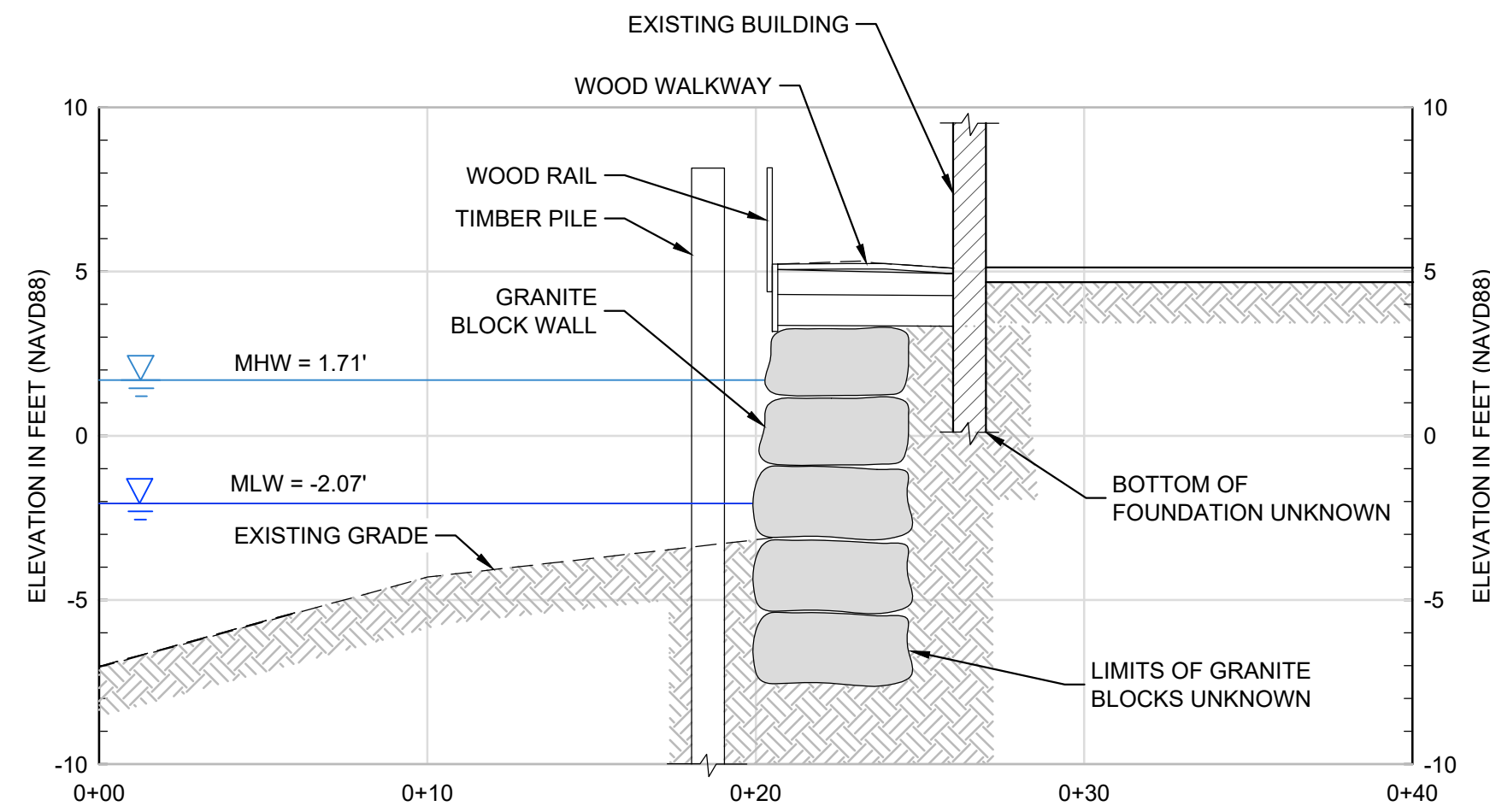
© 2025 - GZA GeoEnvironmental, Inc. GZA-J\GEO\35429.TWS\FIGURES\CAD\DWGS\CURRENT\PLANS\PERMITTING SET_10-23-25\35429.00_4_EXISTING COND SECTIONS.DWG 4 October 23, 2025 GARY BASTIEN



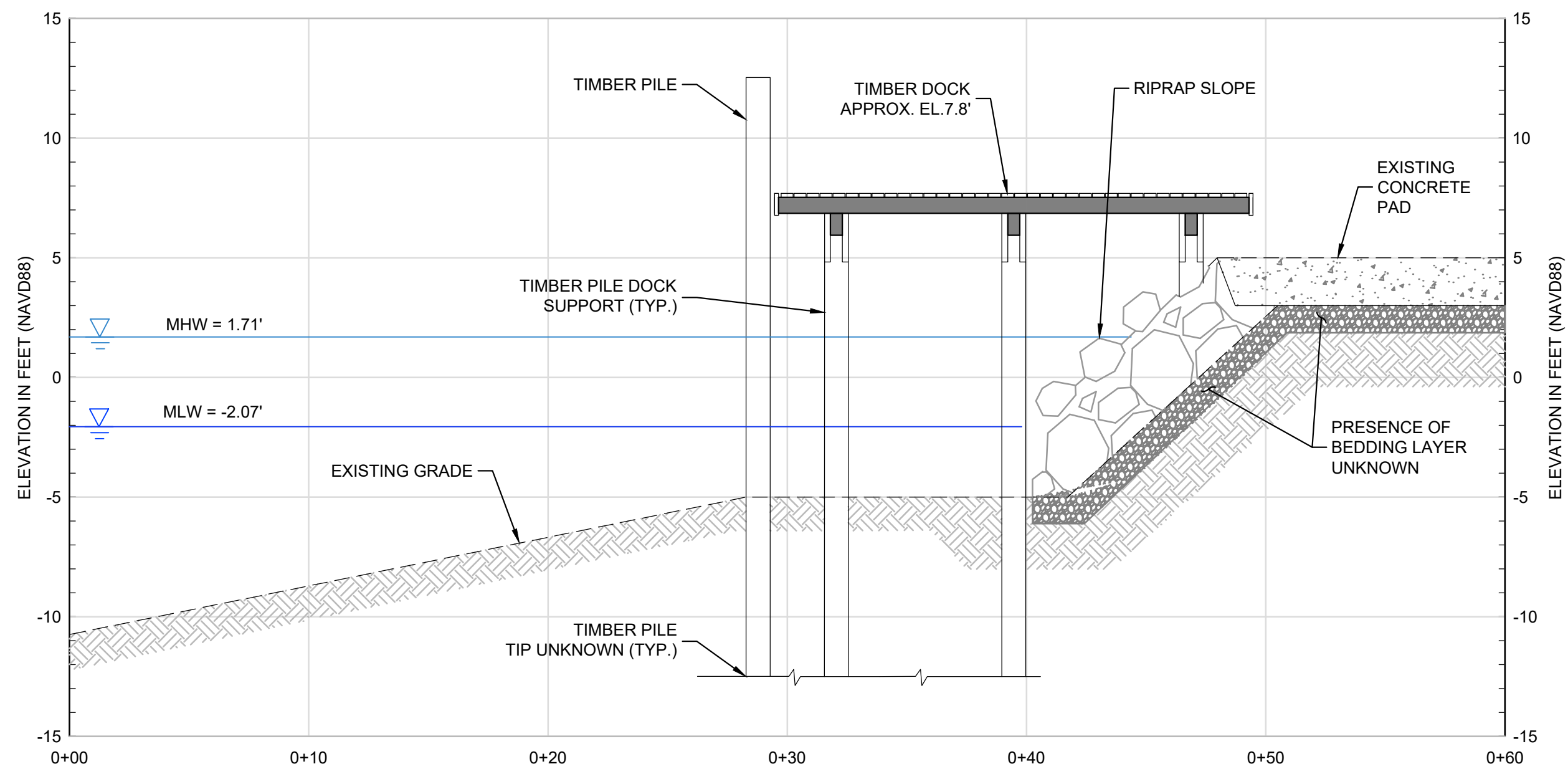
A RIPRAP SLOPE / PARKING LOT - SECTION
SCALE: 1"=5'



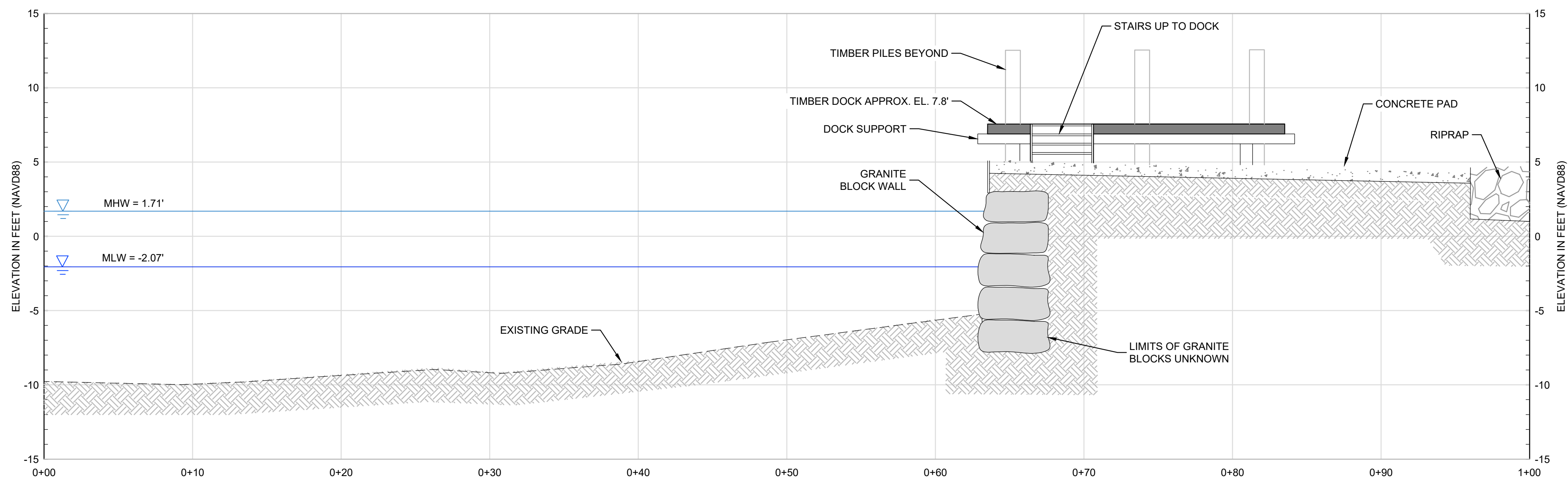
B GRANITE BLOCK WALL - SECTION
SCALE: 1"=5'



C GRANITE BLOCK WALL - SECTION
SCALE: 1"=5'



D DOCK PLATFORM - SECTION
SCALE: 1"=5'



E DOCK PLATFORM - SECTION
SCALE: 1"=5'



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REV	DESCRIPTION	DATE	BY

PROJECT NO: 35429.00
DATE: OCTOBER, 2025
PROJECT MGR: TWS
DESIGNED BY: JTF
DRAWN BY: GRB
CHECKED BY: TWS
REVIEWED BY: MJP
SCALE: AS NOTED
REVISION NO.

CHASE MARINA
169 RIVERSIDE DRIVE
TIVERTON, RHODE ISLAND

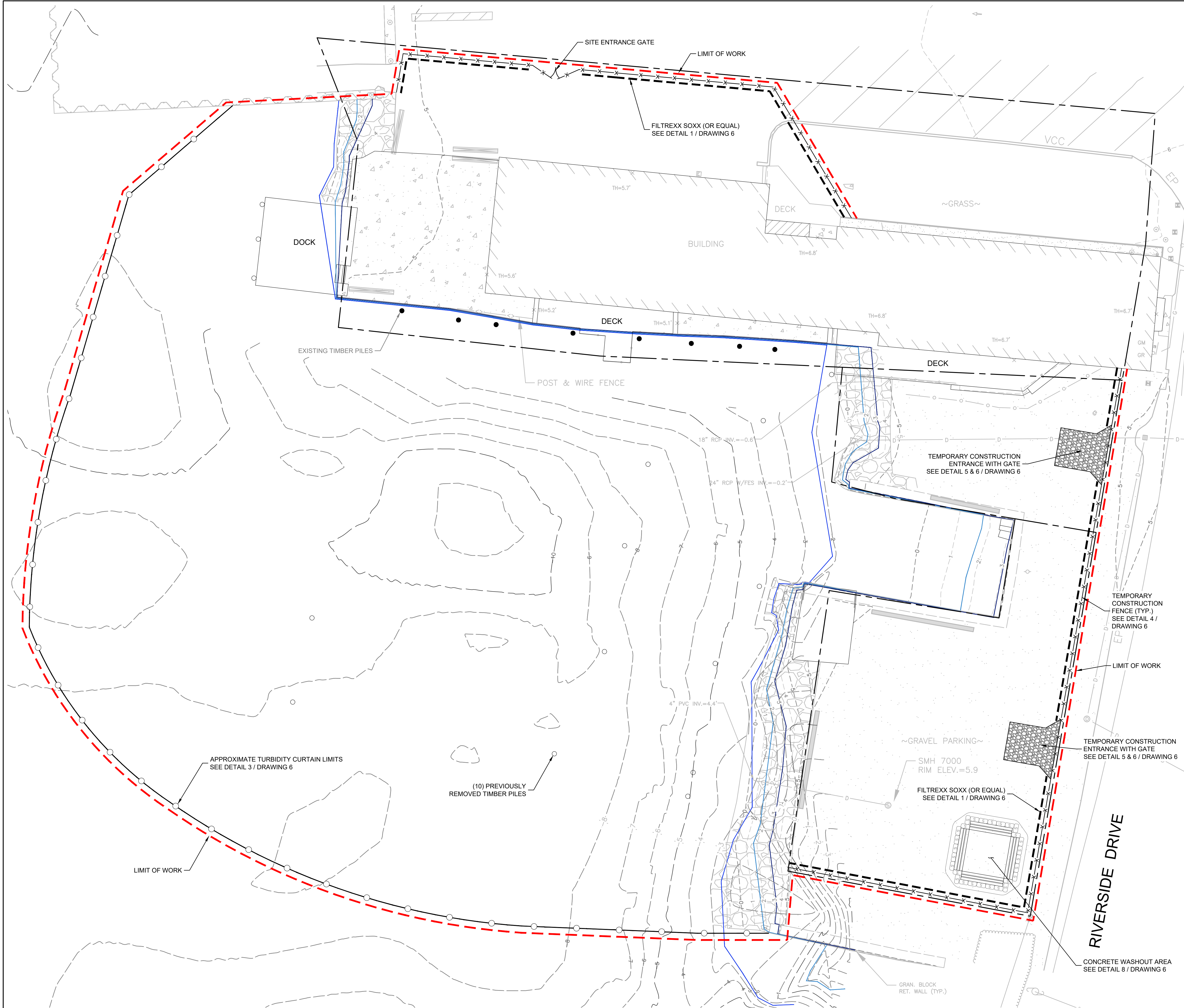
EXISTING CONDITIONS SECTIONS

DRAWING

4

SHEET NO. 4 OF 15

© 2025 - GZA GeoEnvironmental, Inc. GZA-j:\GEO\35429.TWS\FIGURES\CAD\DWGS\CURRENT\PLANS\PERMITTING SET_10-23-25\35429.00_5_TEMPORARY CONTROLS PLAN_PHASE 1.DWG 5 September 3, 2025 GARY BASTIEN



REFERENCE NOTES:

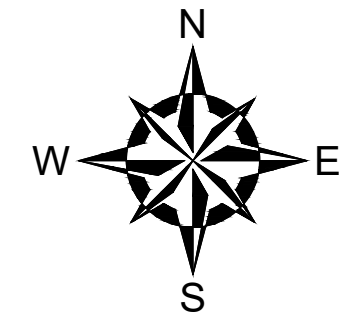
1. BASE MAP DEVELOPED FROM ELECTRONIC DRAWING FILE 8630A TOPO SHIPPED 2024-09-16 PREPARED BY DORCET SURVEY TRANSMITTED TO GZA ON SEPTEMBER 16, 2024.
2. BATHYMETRIC SURVEY PERFORMED BY GZA IN SEPTEMBER, 2024.

TEMPORARY CONTROL NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY EROSION AND SEDIMENT CONTROLS IN ACCORDANCE WITH PERMITS AND CONTRACT DOCUMENTS.
2. INSTALL EROSION AND SEDIMENT CONTROLS BEFORE DISTURBING ANY SOILS, SEDIMENT OR VEGETATION AT THE SITE.
3. ADJUST, RELOCATE OR PROVIDE ADDITIONAL EROSION AND SEDIMENT CONTROLS AS WORK PROGRESSES INTO PREVIOUSLY UNDISTURBED AREAS OF THE SITE.
4. MAINTAIN EROSION AND SEDIMENT CONTROLS UNTIL THE SITE IS RESTORED AND SITE IMPROVEMENTS INCLUDING LANDSCAPING, IF ANY, ARE COMPLETE WITH UNDERLYING SOILS PERMANENTLY STABILIZED.
5. CARE SHALL BE TAKEN NOT TO PLACE REMOVED SEDIMENTS WITHIN THE PATH OF EXISTING, NEWLY CREATED OR PROPOSED AREAS THAT ARE SUBJECT TO STORMWATER FLOW.
6. LIMITS OF TURBIDITY CURTAIN ARE SHOW FOR ILLUSTRATION PURPOSES ONLY. CONTRACTOR SHALL PROVIDE AND MAINTAIN TURBIDITY CURTAINS AND IS RESPONSIBLE FOR DETERMINING LAYOUT AND INSTALLATION PROCEDURES IN ACCORDANCE WITH CONTRACT DOCUMENTS.
7. TURBIDITY CURTAINS SHALL BE INSTALLED TO SURROUND THE LIMIT OF WORK, AS NEEDED, INCLUDING BUT NOT LIMITED TO DEMOLITION AND WALL CONSTRUCTION.
8. DEWATER LANDWARD OF BULKHEAD USING A PUMP WITH A FILTER BAG. PUMP WATER INTO SAKONNET RIVER.
9. PROTECTING DEVICES SHALL BE USED AROUND TREES AND TRANSFORMERS ON SITE.

LEGEND - EROSION CONTROL

- APPROXIMATE PROPERTY BOUNDARY
- LIMIT OF WORK
- FILTREXX (R) SILT SOXX (OR EQUAL)
- TEMPORARY FENCE LINE
- FLOATING TURBIDITY CURTAIN



0 5' 10' 20' 30'
SCALE IN FEET 1" = 10'



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CHECKED BY:	TWS
REVIEWED BY:	MJP
SCALE:	AS NOTED
REVISION NO.	

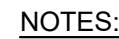
CHASE MARINA
169 RIVERSIDE DRIVE
TIVERTON, RHODE ISLAND

TEMPORARY CONTROLS PLAN

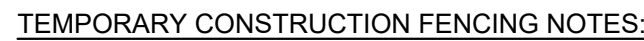
DRAWING

5

SHEET NO. 5 OF 15



- # 1 5 6 **FILTREXX® SOXX SEDIMENT CONTROL DETAIL** NOT TO SCALE



- TYPICAL FENCE STABILIZER/STAND
NOT TO SCALE

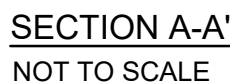


SOIL STOCKPILE NOTES:

-
- A cross-sectional diagram of a catch basin. At the top, a horizontal line represents the 'CATCH BASIN GRATE'. Below the grate, a 'SILT BAG' is shown as a triangular mesh structure. The catch basin itself is a rectangular structure with vertical walls. A label 'CATCH BASIN' points to the right wall. The bottom of the basin is a sloped surface. A label 'CLEAN SEDIMENT WHEN DEPTH EQUALS 8 INCHES' points to a small, shaded area at the bottom of the basin. A vertical dimension line on the left side of the basin indicates a height of '2'-0" from the bottom of the basin to the grate.

NOTES:

1. SEDIMENT BAG INLET PROTECTION TO BE SILT SACK MANUFACTURED BY ATLANTIC CONSTRUCTION FABRICS INC. RICHMOND, VA OR APPROVED EQUAL.
2. STORM WATER CATCH BASINS OR DRAINS SHALL BE PROTECTED FROM MATERIALS RUN-OFF. CONTRACTOR SHALL INSTALL SILT SACKS WITHIN EACH CATCH BASIN IN THE VICINITY OF ANY WORK AREAS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR SHALL USE ALL BMP'S NECESSARY TO PROTECT THESE INLETS FROM SEDIMENT AND DEBRIS.



NOTES:

1. SUMPS TO BE CLEANED AND WASTE CONCRETE AND WATER REMOVED AND PROPERLY DISPOSED OF UPON COMPLETION OF WORK.



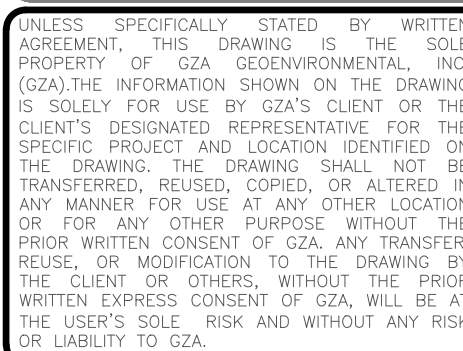
NOTES:

1. REFER TO SECTION 01 57 00 - TEMPORARY CONTROLS FOR MINIMUM REQUIREMENTS OF TURBIDITY CURTAINS.
2. END OF CURTAIN SHALL BE ANCHORED SECURELY AT THE SHORELINE ABOVE MEAN HIGH WATER ELEVATION IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
3. TURBIDITY CURTAINS SHALL BE INSPECTED REGULARLY TO DETERMINE IF ALL COMPONENTS ARE FUNCTIONING PROPERLY.



NOTES:

1. STONE SIZE - USE 2" STONE (MINIMUM) TO 6" STONE (MAXIMUM).
2. LENGTH - GREATER THAN OR EQUAL TO 50 FEET WITH THICKNESS OF 4".
3. WIDTH - FIFTEEN (15) FOOT TYP., BUT NOT LESS THAN FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
4. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS ENTRANCE. IF PIPING IS IMPRACTICAL, MOUNTABLE BERM SHALL BE PERMITTED.
5. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING AND ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
6. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED.
7. THE CLEAN STONE SHOULD BE INSTALLED OVER A GEOTEXTILE FABRIC. GEOTEXTILE FABRIC MAY BE OMITTED FOR PERMANENT CONSTRUCTION ENTRANCES-EXITS ON A CASE-BY-CASE BASIS WITH THE APPROVAL OF THE NATIONAL GRID ENVIRONMENTAL.
8. FOLLOWING CONSTRUCTION, THE CONSTRUCTION ENTRANCE / EXIT SHALL BE REMOVED AND THE AREA GRADED, SEEDED, AND MULCHED AS NEEDED. ENTRANCE / EXITS MAY REMAIN DEPENDING UPON FUTURE ACCESS NEEDS AND / OR PROJECT-SPECIFIC APPROVALS BUT REQUIRES APPROVALS FROM THE NATIONAL GRID ENVIRONMENTAL AND PROPERTY LEGAL.



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REV	DESCRIPTION	DATE	B

PROJECT NO:

DATE:

PROJECT MGR:	TWS
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DESIGNED BY:	JTF
DRAWN BY:	CRD

CHECKED BY:	TWS
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SCALE: AS NOTED

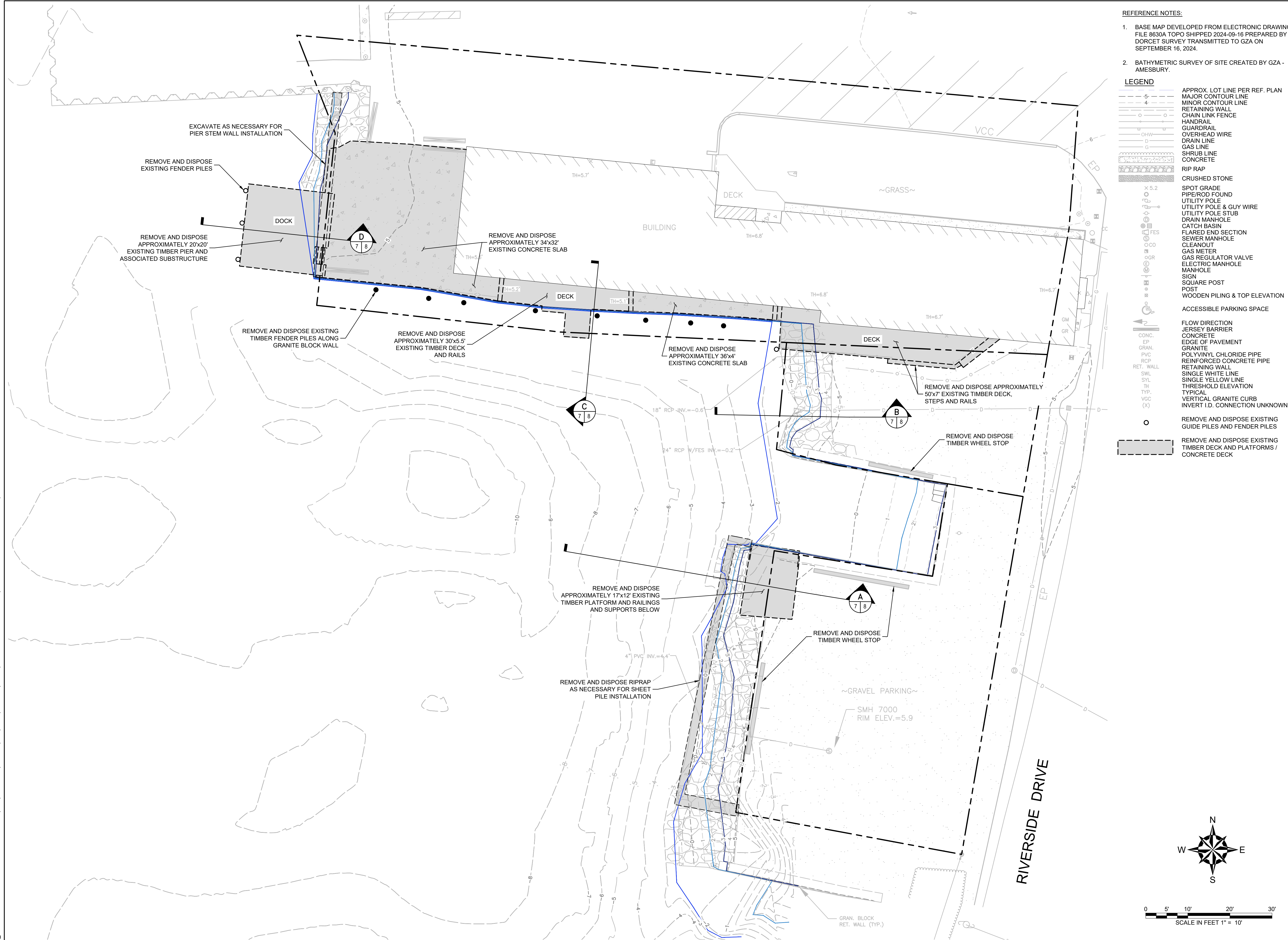
CHASE MARINA
169 RIVERSIDE DRIVE
WERTON, RHODE ISLAND

TEMPORARY CONTROLS DETAILS

DRAWING

6
NO. 6 OF 1

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10-22-2025
COASTAL RESOURCES
MANAGEMENT COUNCIL

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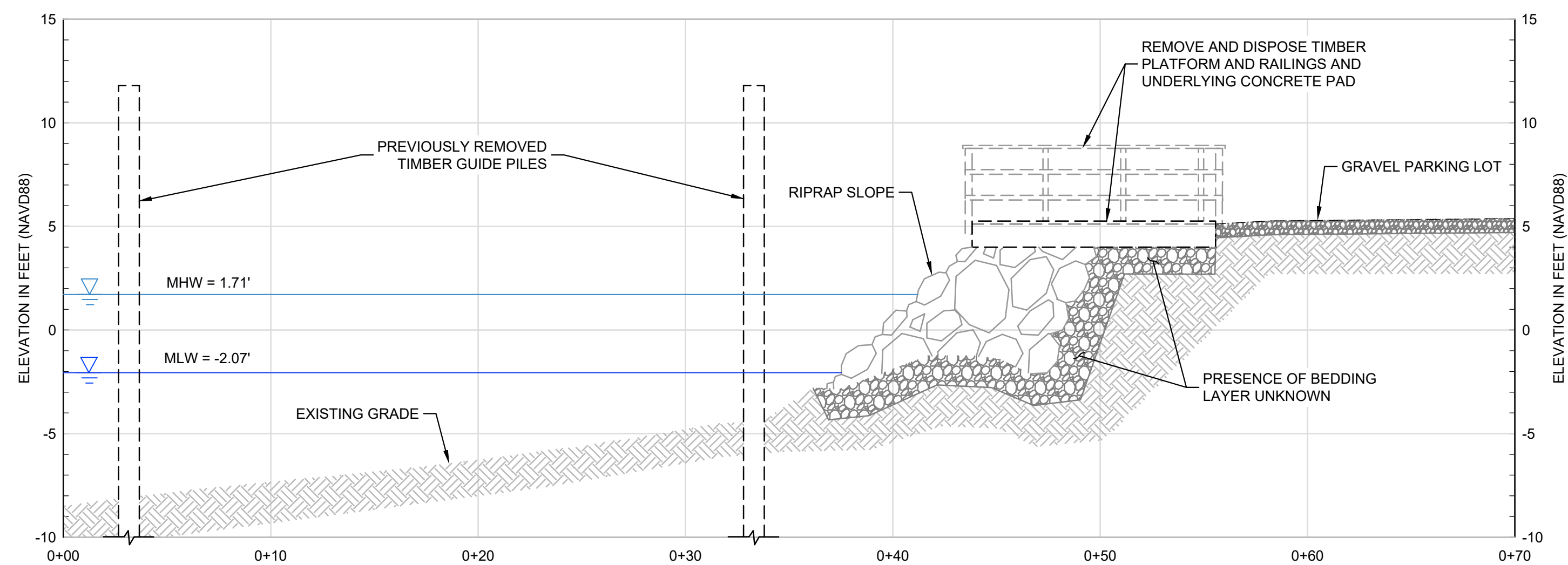
REV	DESCRIPTION	DATE	BY

PROJECT NO: 35429.00
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PROJECT MGR: TWS
DESIGNED BY: JTF
DRAWN BY: GRB
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REVIEWED BY: MJP
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REVISION NO.

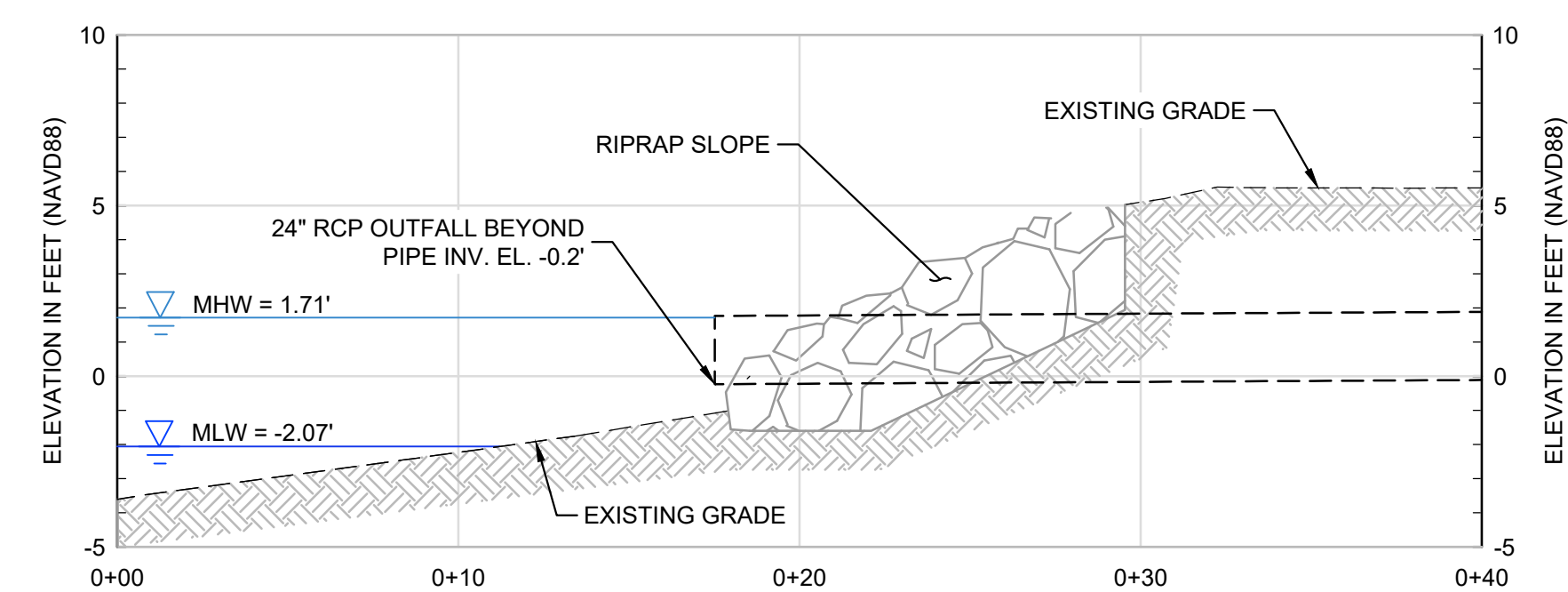
CHASE MARINA
169 RIVERSIDE DRIVE
TIVERTON, RHODE ISLAND

DEMOLITION PLAN

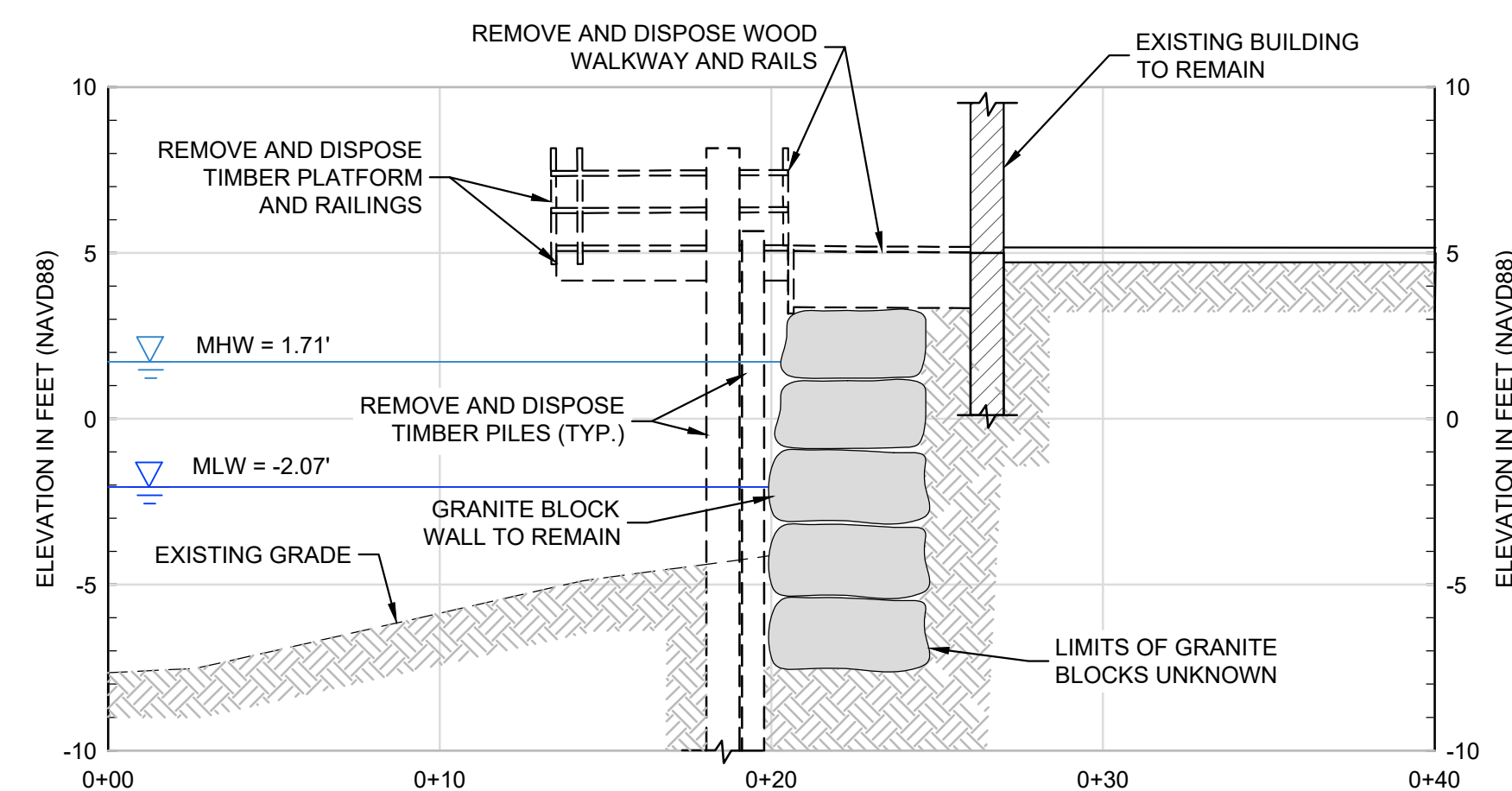
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SHEET NO. 7 OF 15



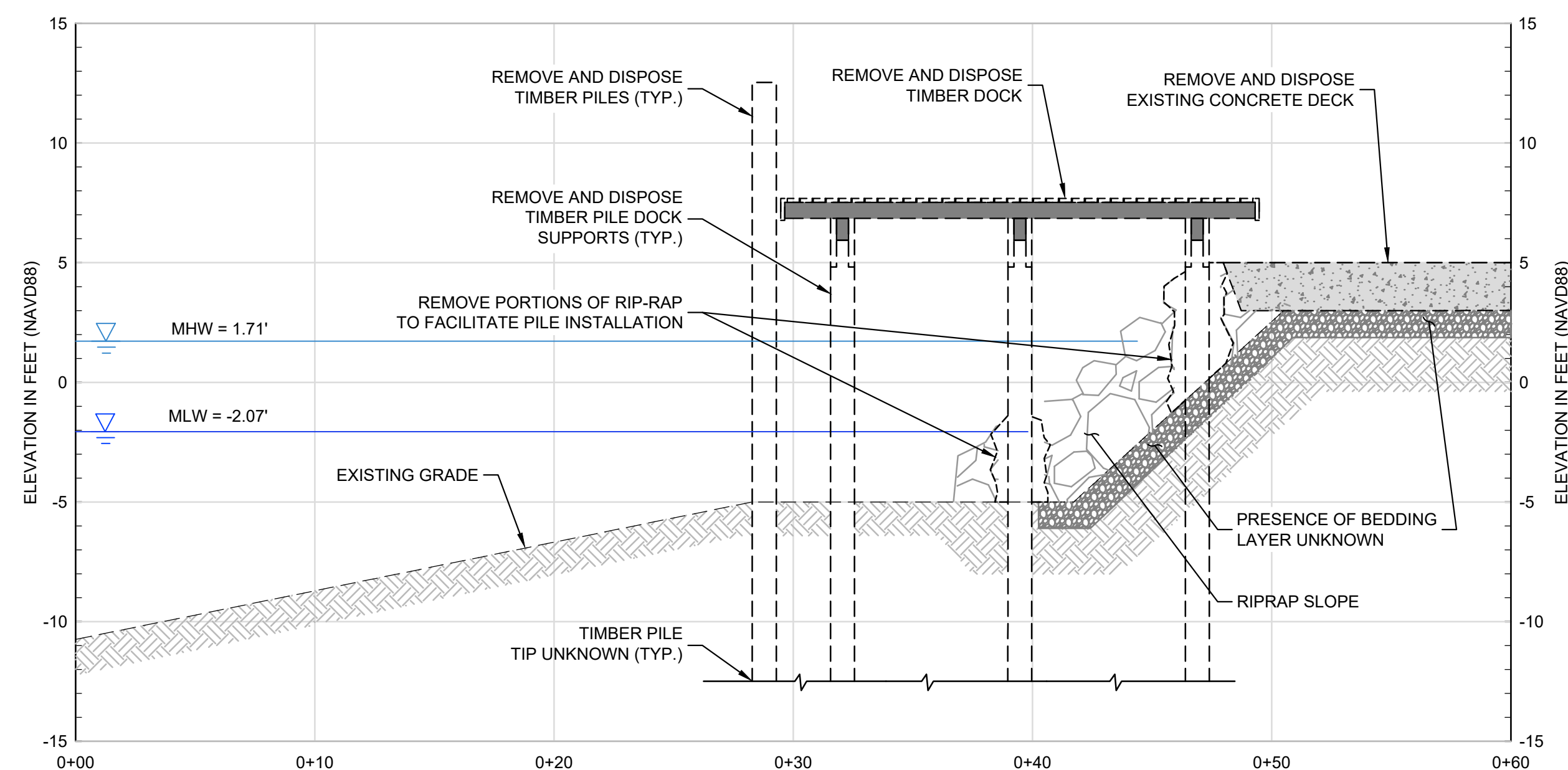
A RIPRAP SLOPE / PARKING LOT - SECTION
7 8
SCALE: 1"=5'



B RIPRAP SLOPE / PARKING LOT - SECTION
7 8
SCALE: 1"=5'



 **GRANITE BLOCK WALL - SECTION**
SCALE: 1"=5'



 **DOCK PLATFORM - SECTION**
SCALE: 1"=5'

NOTES:

1. LIMITS AND EXTENT OF BELOW GRADE RIPRAP, BEDDING LAYERS, BUILDING FOUNDATIONS, AND STONE WALLS ARE UNKNOWN.



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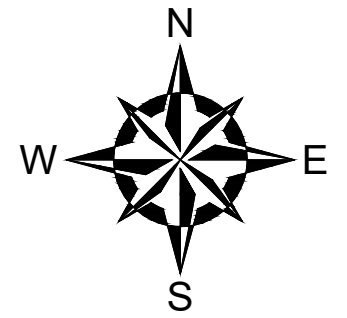
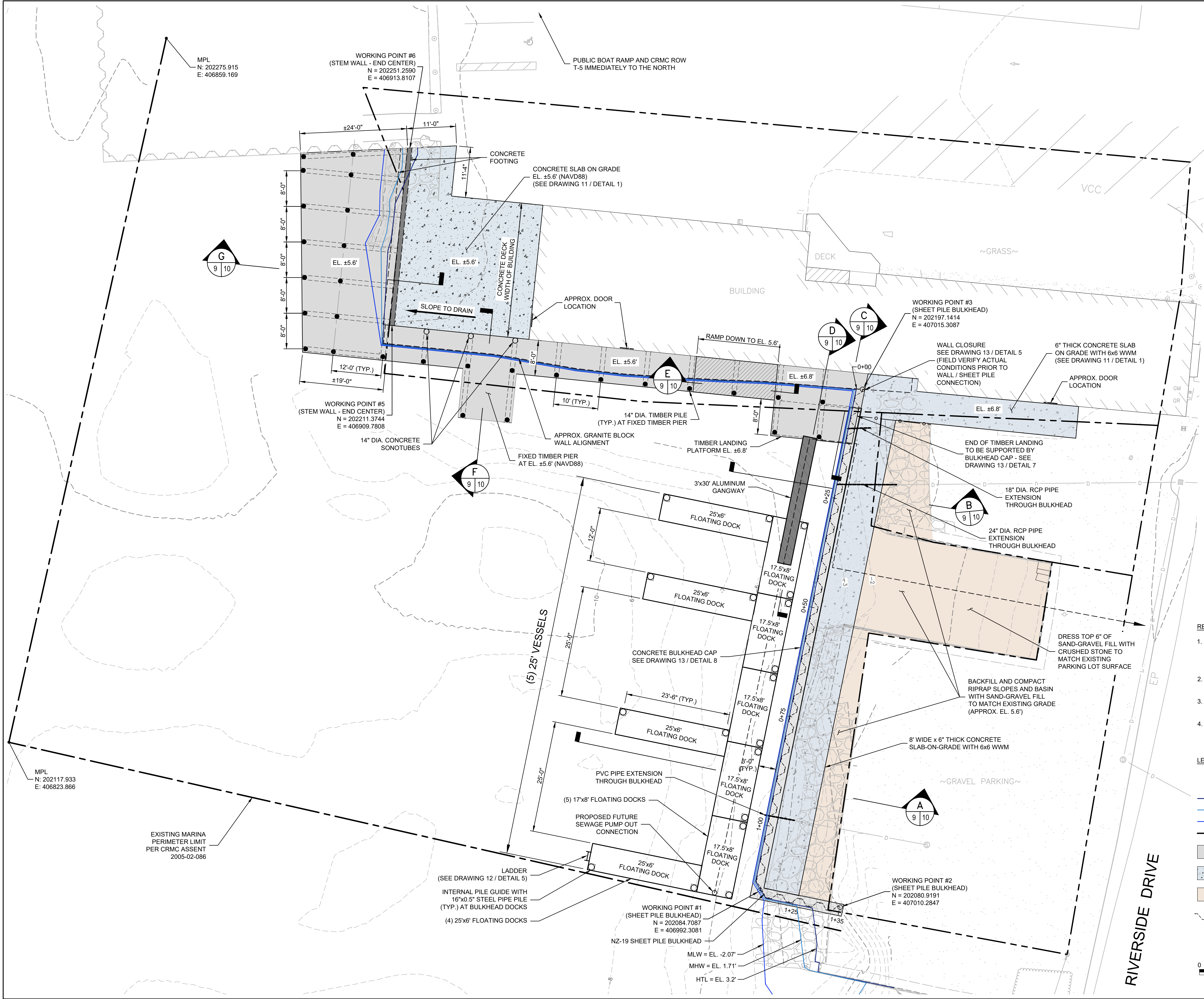
CHASE MARINA
169 RIVERSIDE DRIVE
VERTON, RHODE ISLAND

DEMOLITION SECTIONS

DRAWING

8

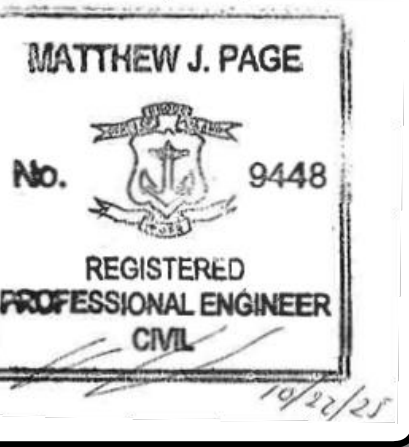
SHEET NO. 8 OF 15



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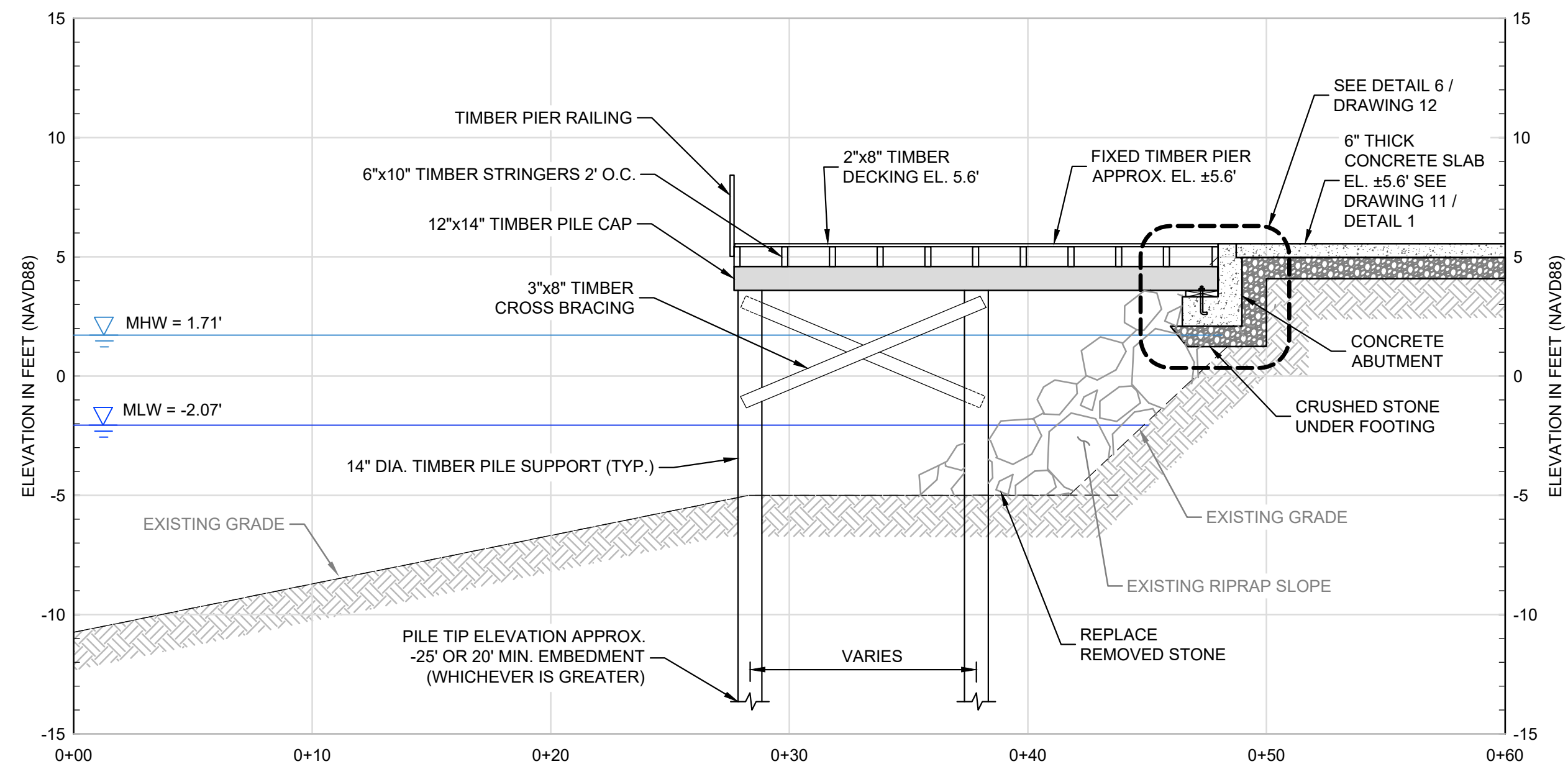
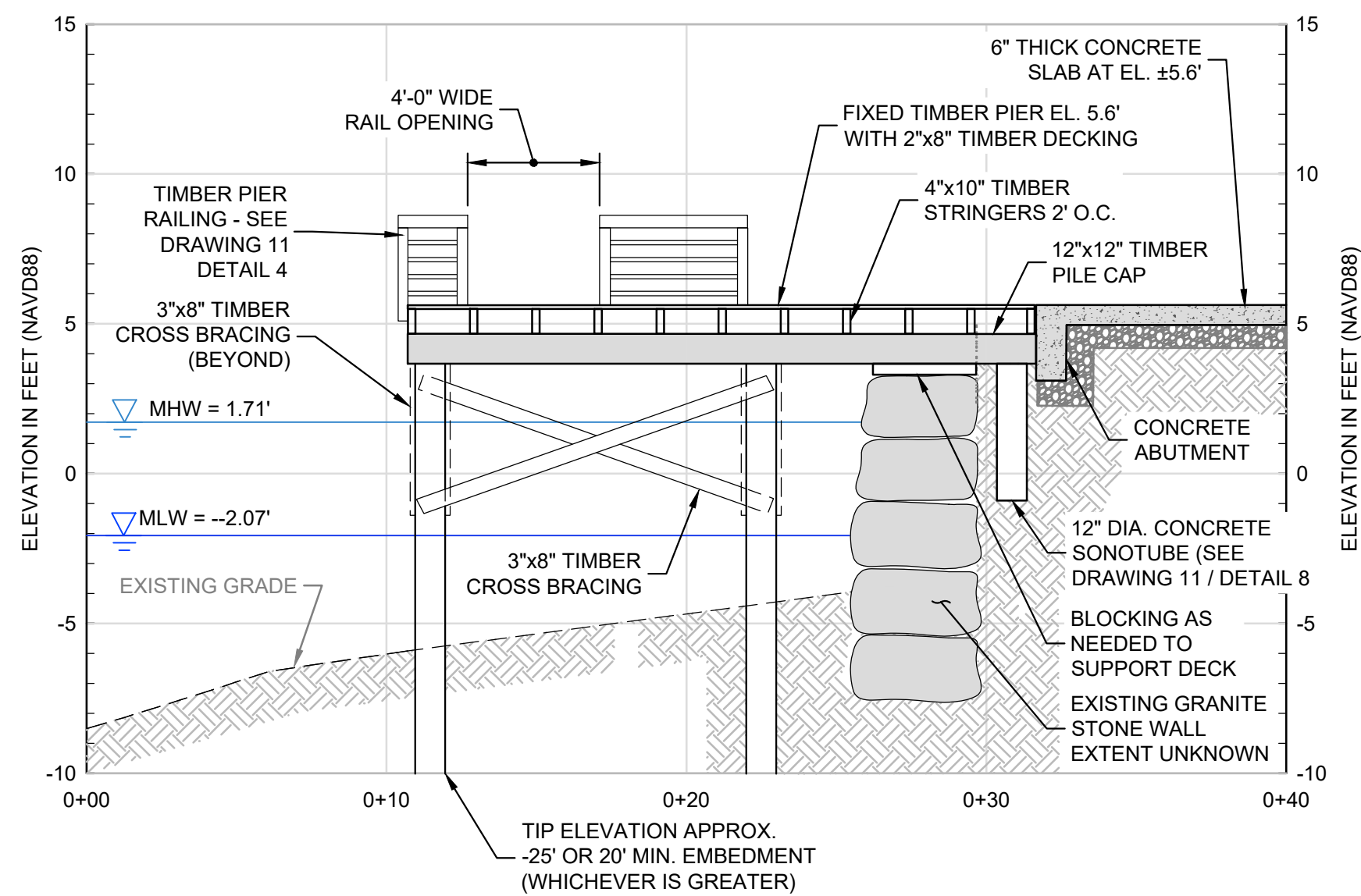
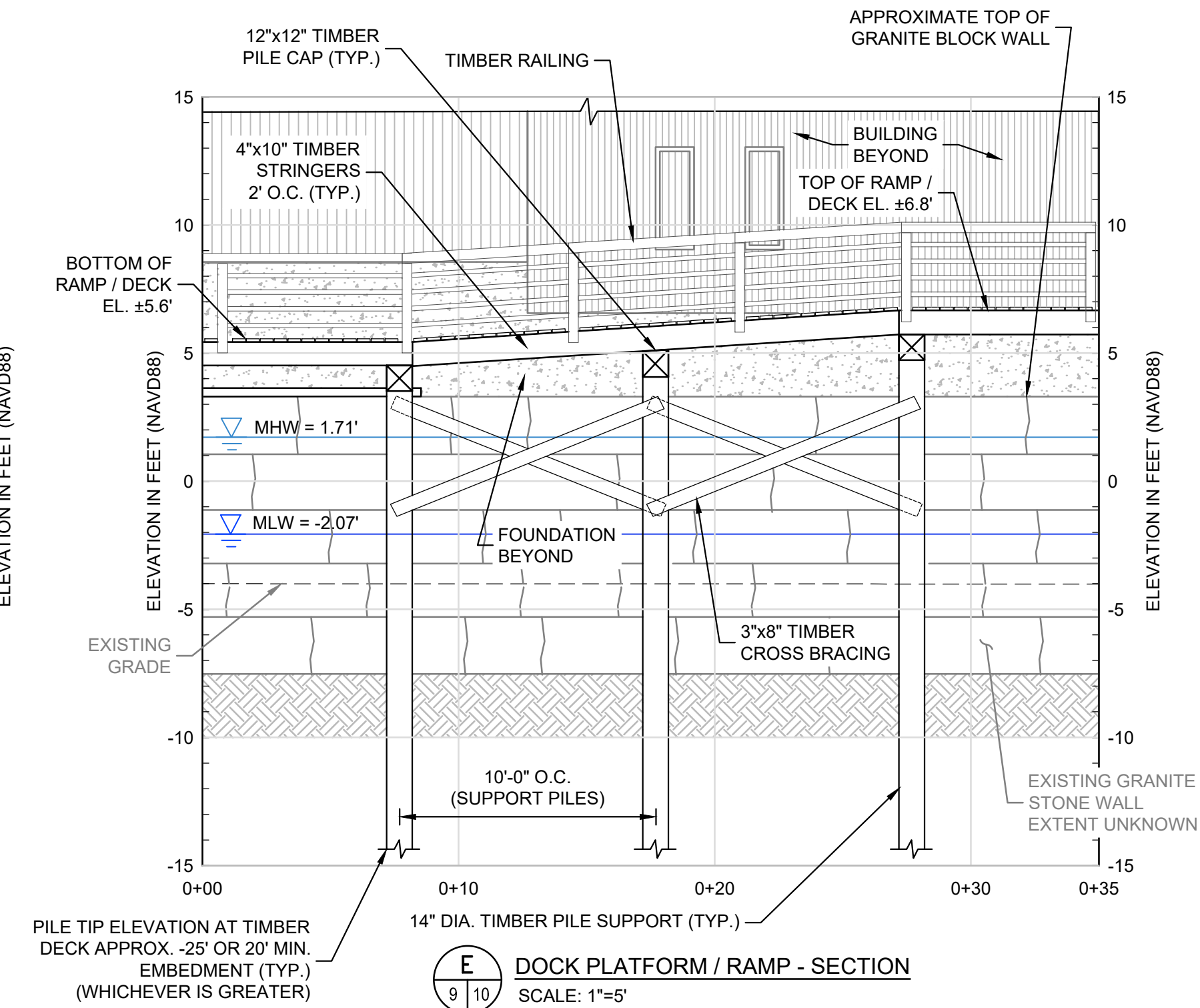
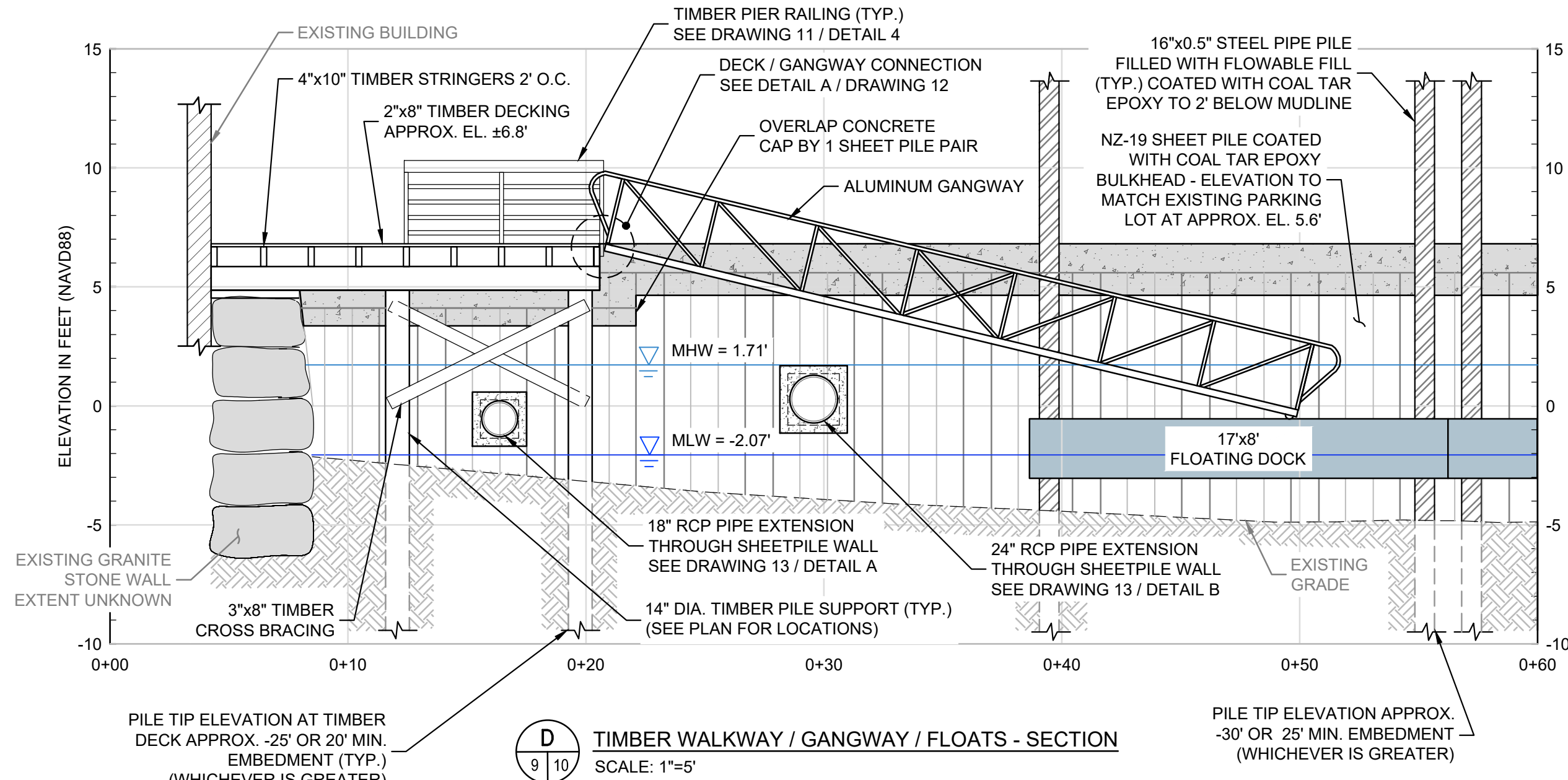
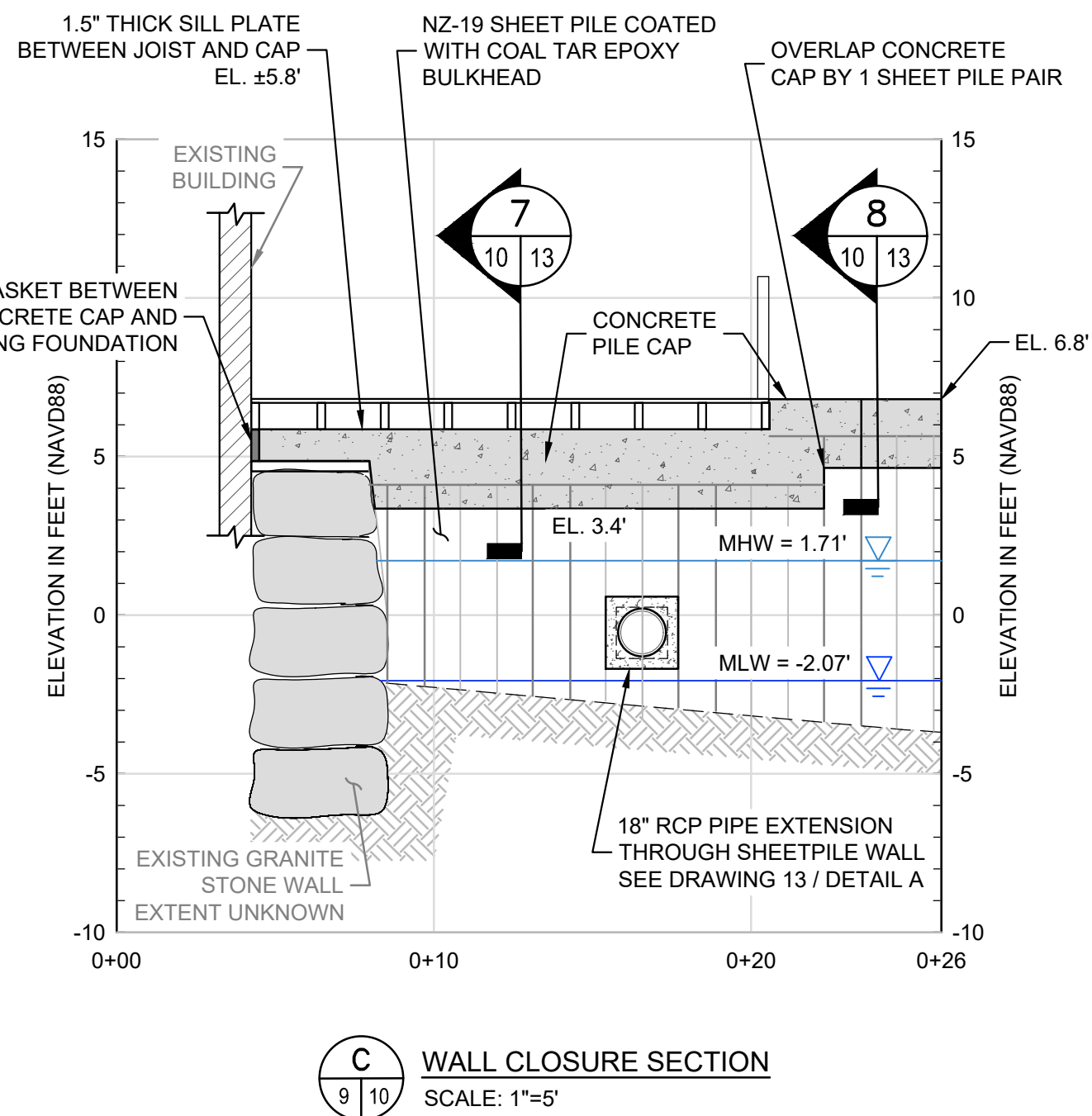
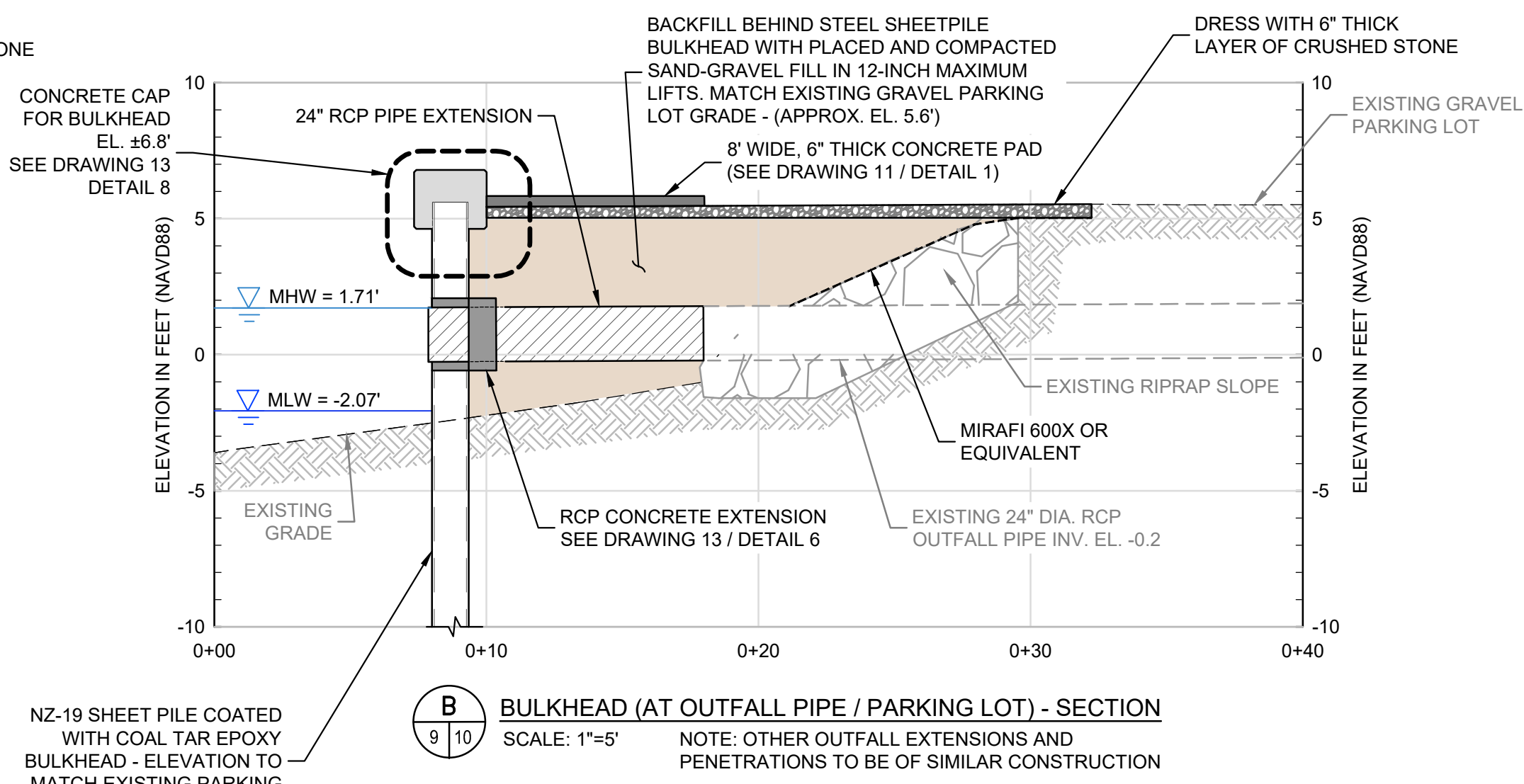
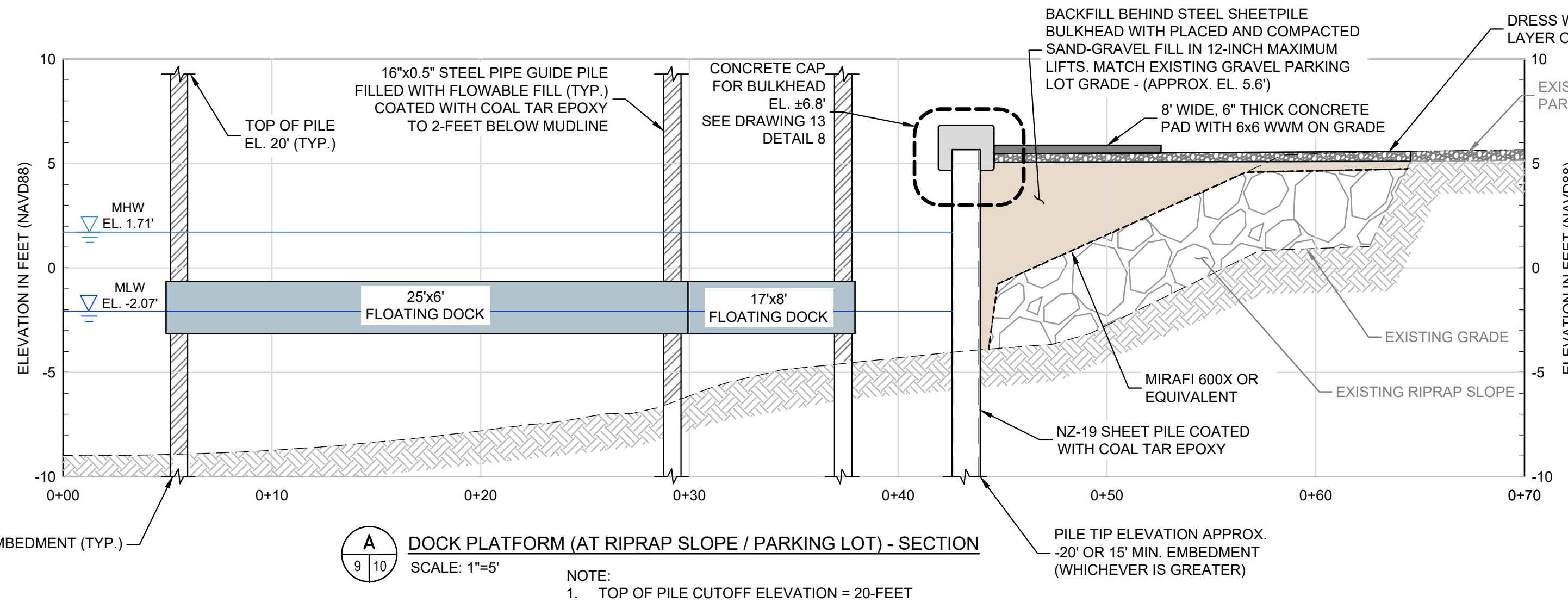
PROJECT NO:	35429.00
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REVIEWED BY:	MJP
SCALE:	AS NOTED
REVISION NO.	

169 RIVERSIDE DRIVE
VERTON, RHODE ISLAND

PHASE 1

DRAWING
9
SHEET NO. 9 OF 15

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NOTES:

- ALL PILE SUPPORTED CROSS BRACING TO BE 3x8 TIMBER AND ATTACHED TO PILES WITH 1" DIA. HDG. THRU BOLTS.
 - TOP OF BRACING THRU BOLTS EL. 3.0' (NAVD88)
 - BOTTOM OF BRACING THRU BOLTS EL. -0.9' (NAVD88)
- NZ-19 SHEET PILES WILL BE COATED WITH COAL TAR EPOXY.
- ALL STEEL PIPE GUIDE PILES TO BE CAPPED WITH A PVC PILE CAP.



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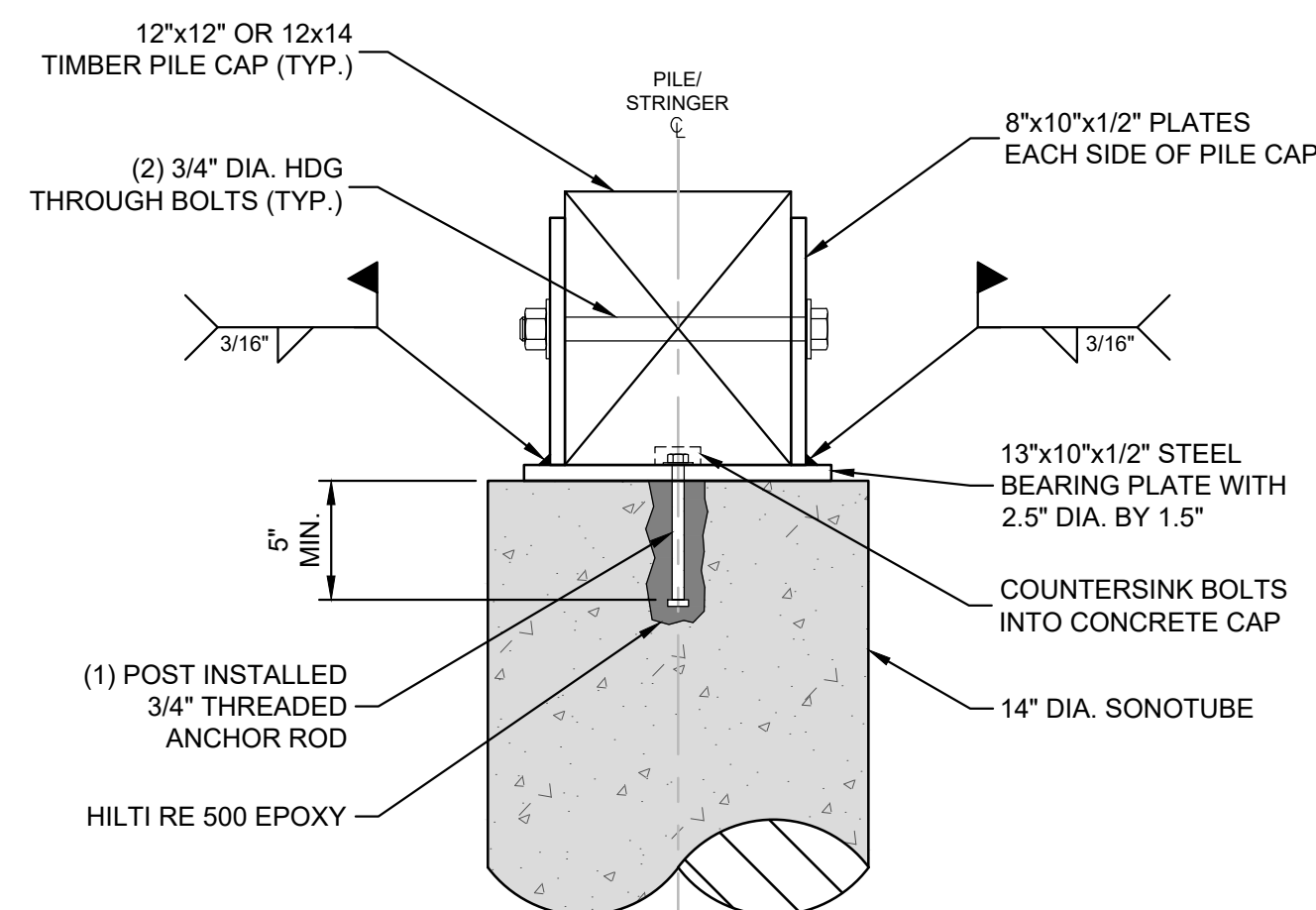
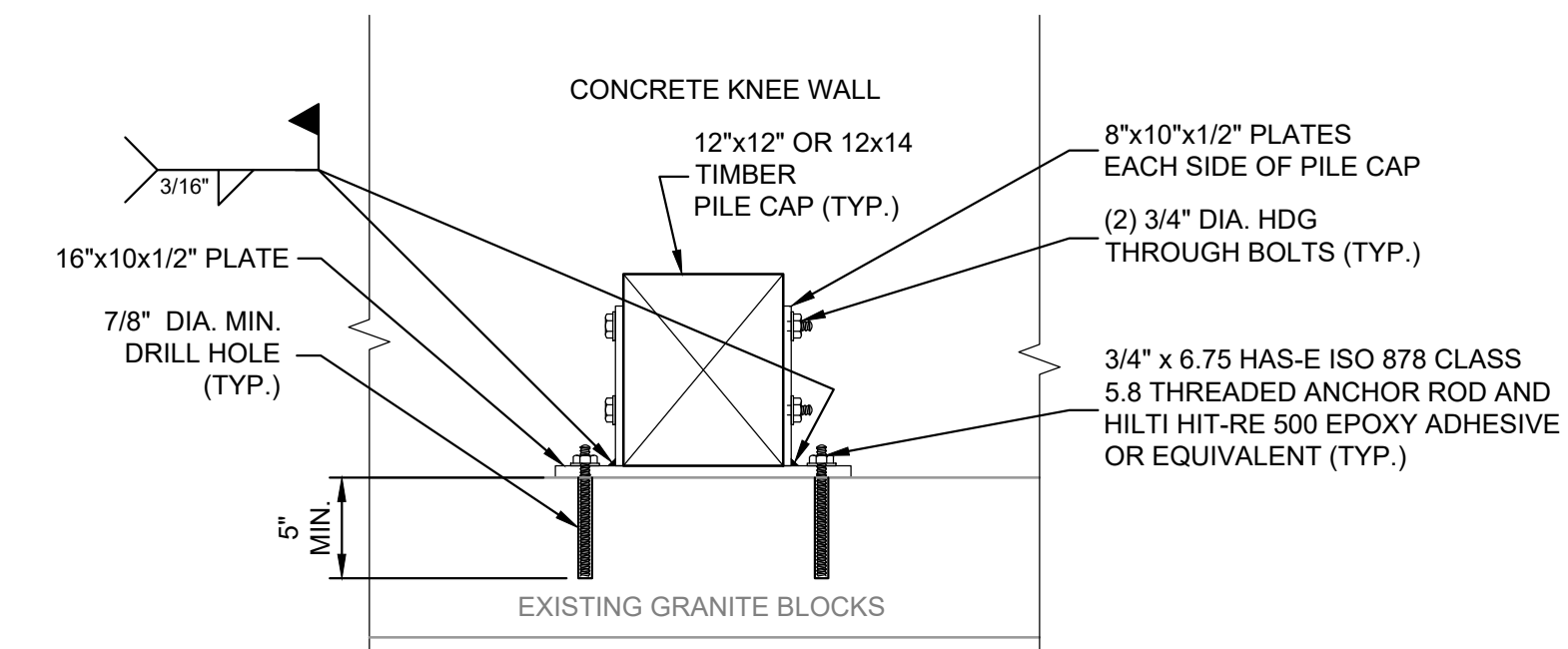
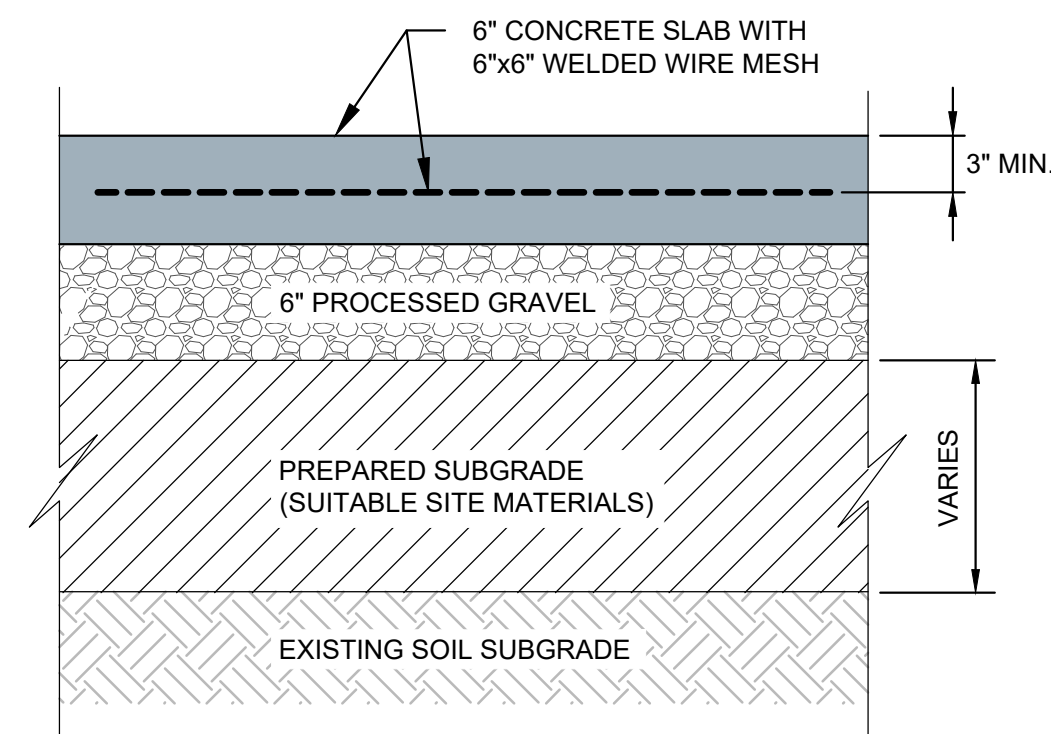
CHASE MARINA
169 RIVERSIDE DRIVE
TIVERTON, RHODE ISLAND

PROPOSED CONDITIONS SECTIONS
PHASE 1

DRAWING

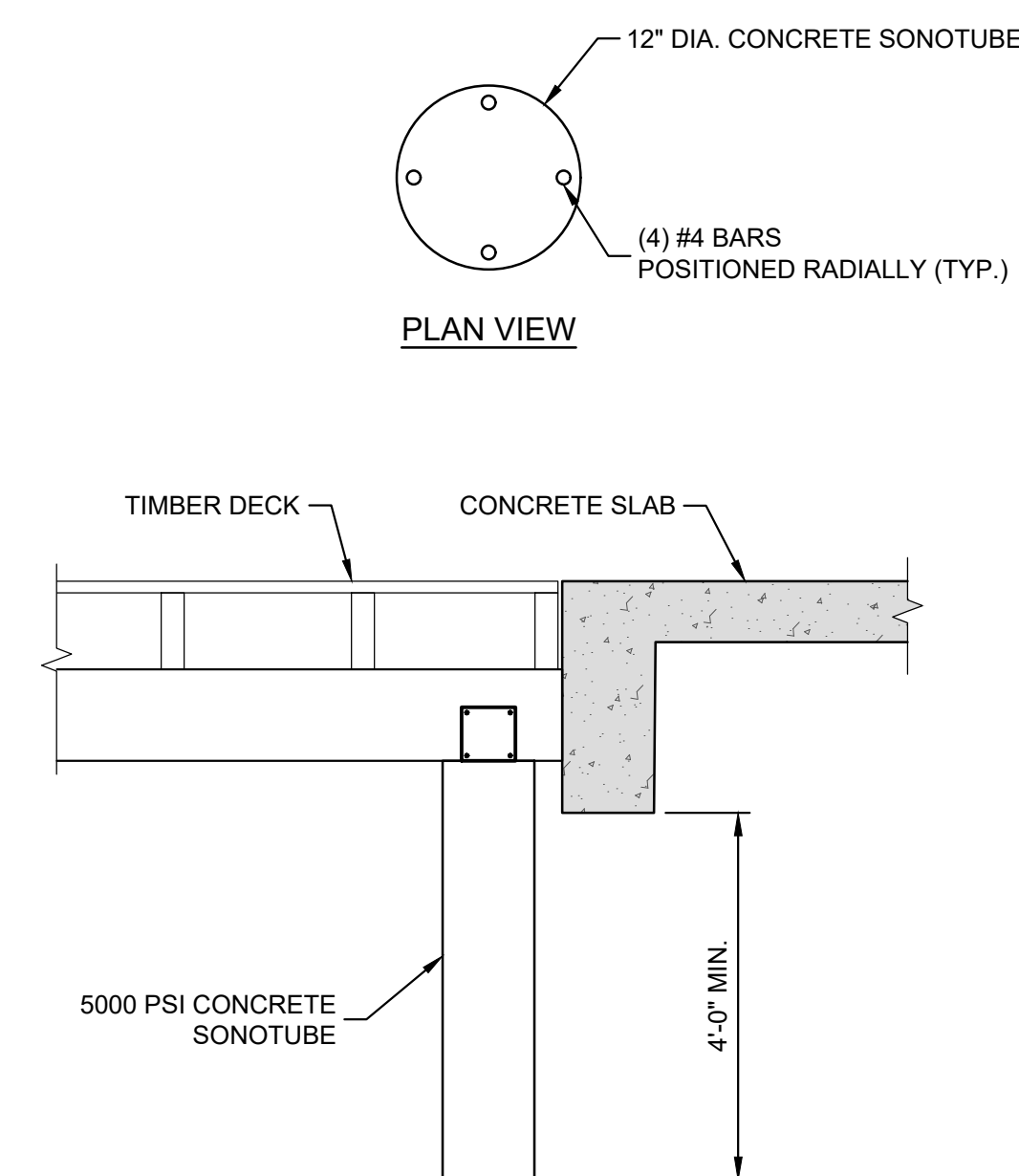
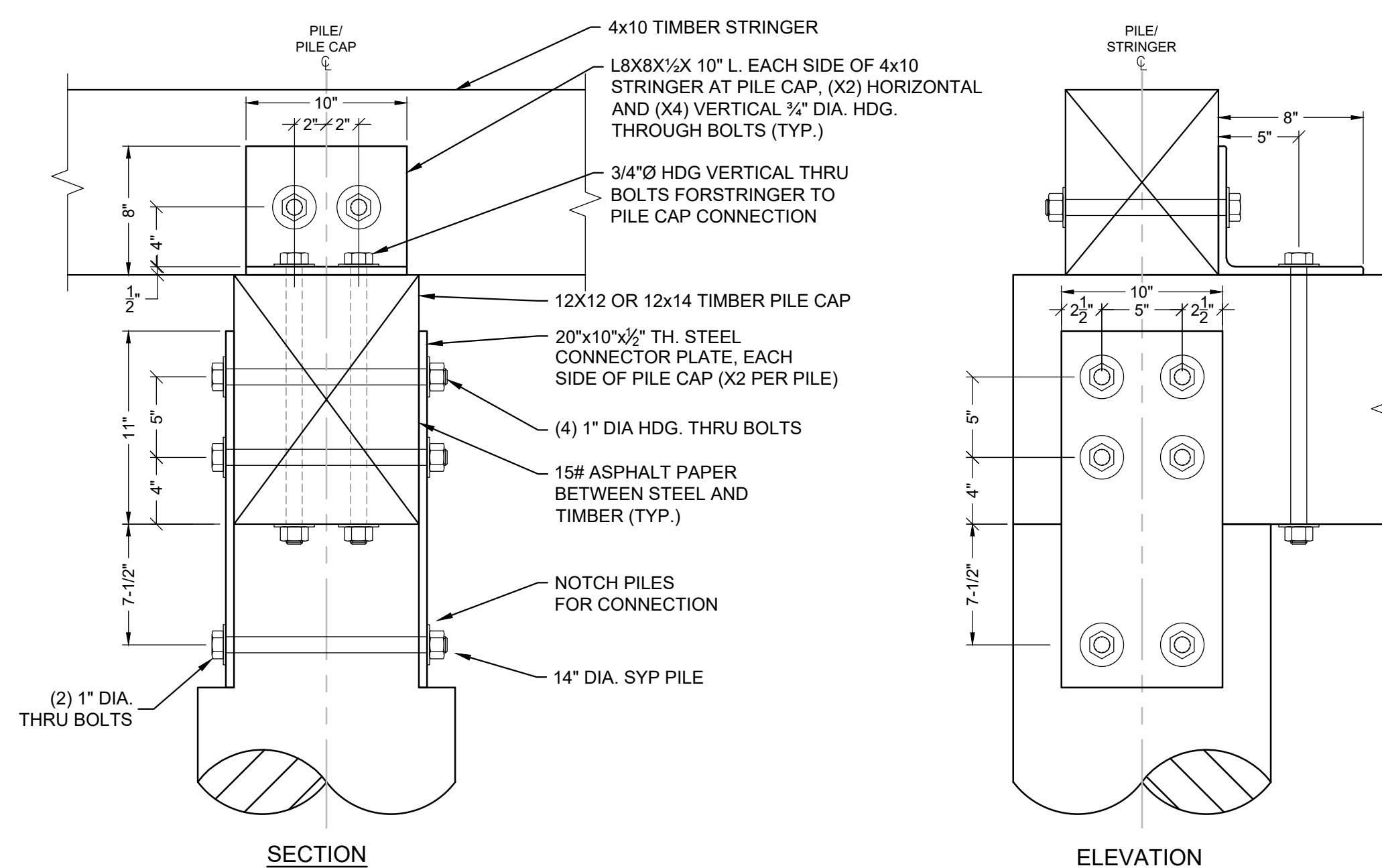
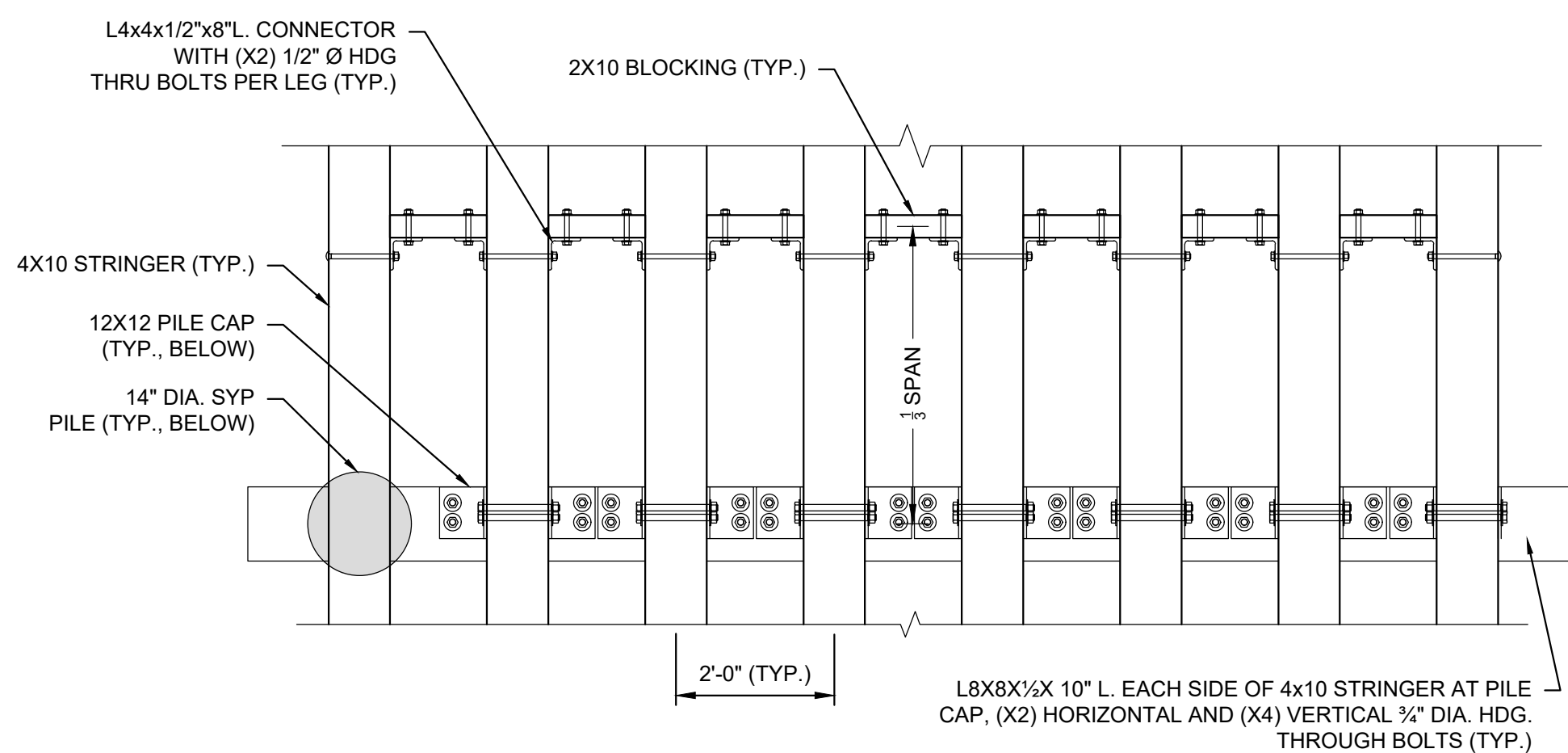
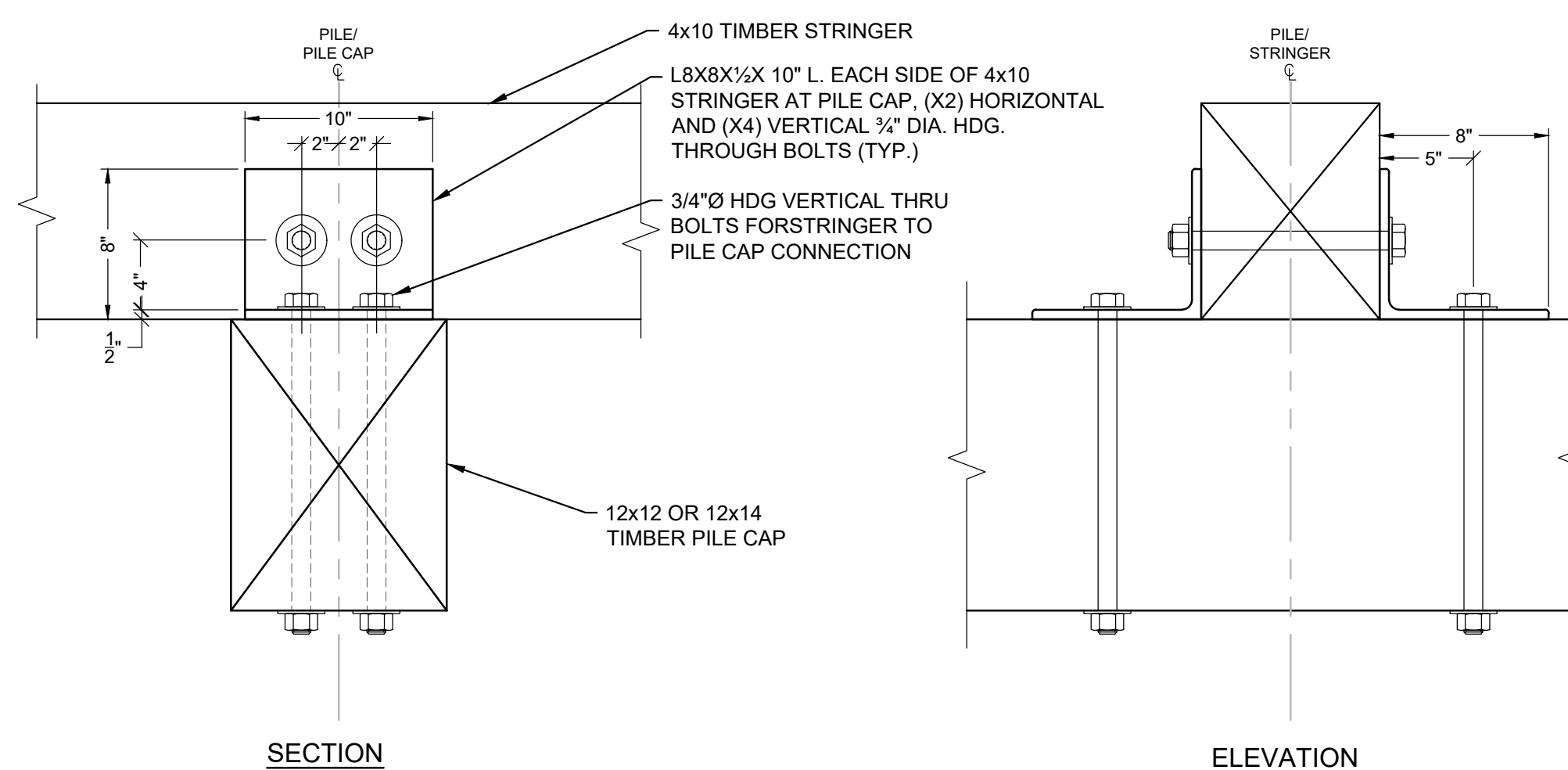
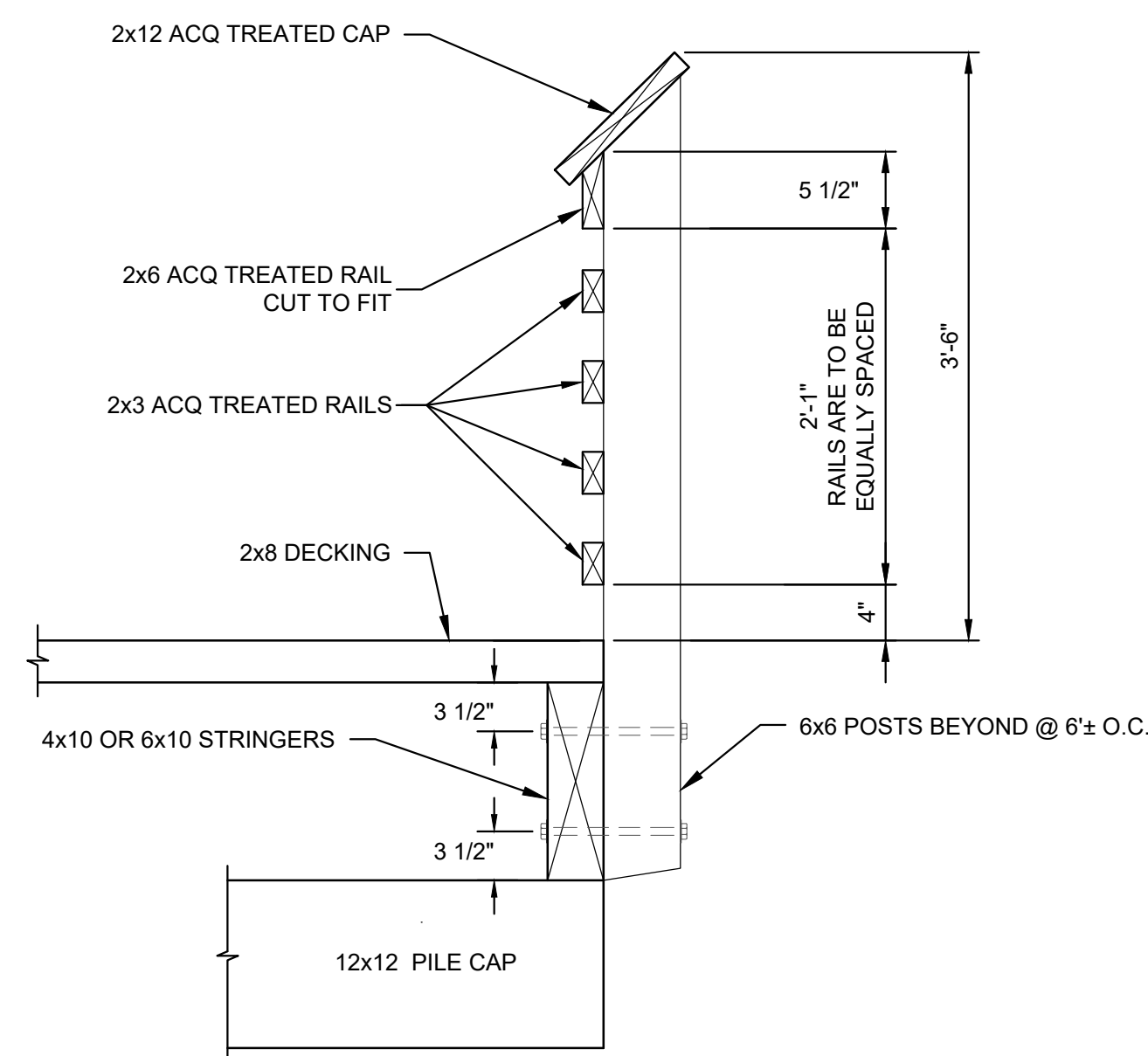
10

SHEET NO. 10 OF 15



- NOTES:

1. TIMBER MEMBERS LOCATED BELOW THE DECKING SHALL BE SOUTHERN YELLOW PINE (SYP) GRADE NO. 2, TREATED WITH 2.5# CCA, UNLESS NOTED OTHERWISE.
2. TIMBER PILE CAPS IN THE ALIGNED IN THE EAST-WEST DIRECTION SHALL BE SYP GRADE NO. 1, TREATED WITH 2.5# CCA.
3. TIMBER MEMBERS LOCATED ON OR ABOVE THE PIER DECKING SHALL BE SYP GRADE NO. 2, TREATED WITH 0.0# ACQ, UNLESS OTHERWISE NOTED.
4. ALL BOLTS, PLATES, AND MISCELLANEOUS METALS IN CONTACT WITH TIMBER TREATED WITH ACQ SHALL BE TYPE 316 STAINLESS STEEL OR HAVE PVC SLEEVES & PVC FLAT STOCK TO PREVENT HDG STEEL CONTACT WITH ACQ-PRESERVED TIMBER.
5. TIMBER DECKING SHALL BE FASTENED TO THE STRINGERS WITH #8 - 2 1/2" LONG, WOOD SCREWS. MINIMUM 2 SCREWS EACH LOCATION PER STRINGER PER PLANK.
6. ALL PILE SUPPORTED CROSS BRACING TO BE 3x8 AND ATTACHED TO PILES WITH 1" DIA. HDG. THRU BOLTS.
7. CONTRACTOR SHALL PLACE 15# ASPHALT ROOFING FELT (TAR PAPER) BETWEEN HORIZONTAL TIMBER TO TIMBER OR CONCRETE INTERFACES AND ALL TIMBER TO STEEL INTERFACES.
8. EPOXY ADHESIVE FOR ANCHORS DRILLED AND SET IN CONCRETE SHALL BE HILTI HIT-RE 500 V3, OR APPROVED EQUIVALENT.



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SCALE:	AS NOTED
REVISION NO.	

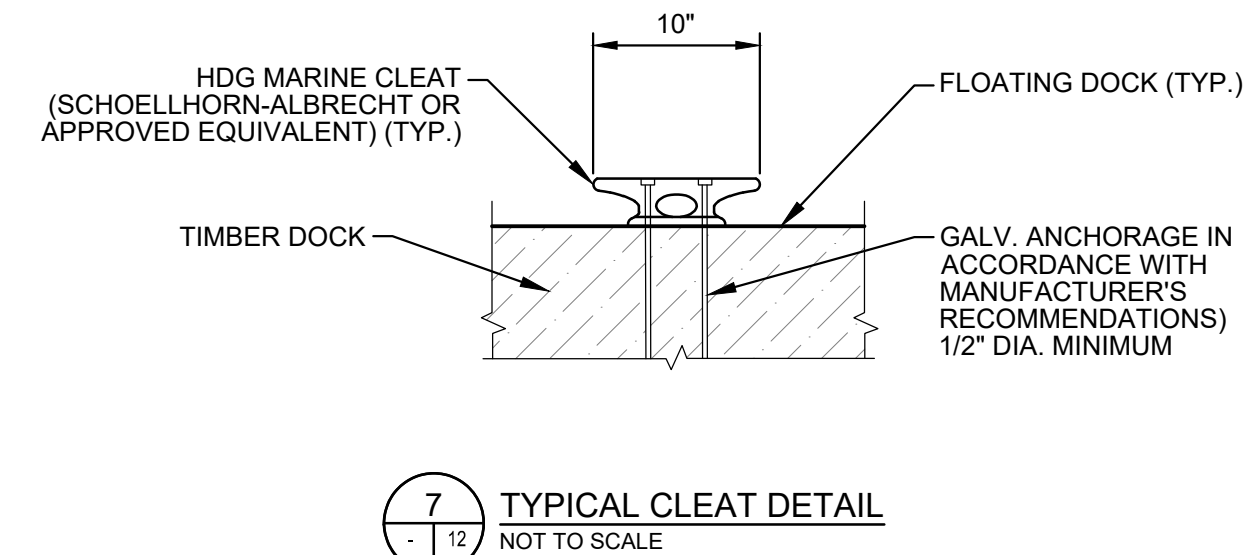
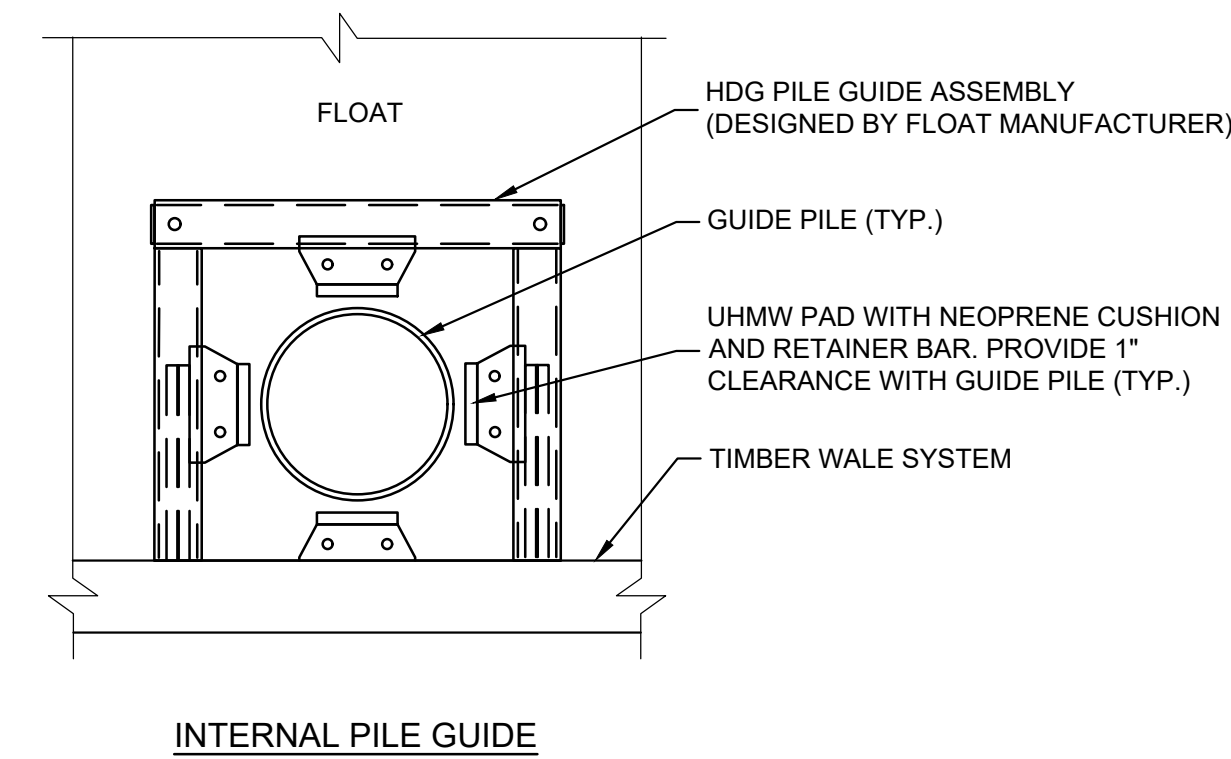
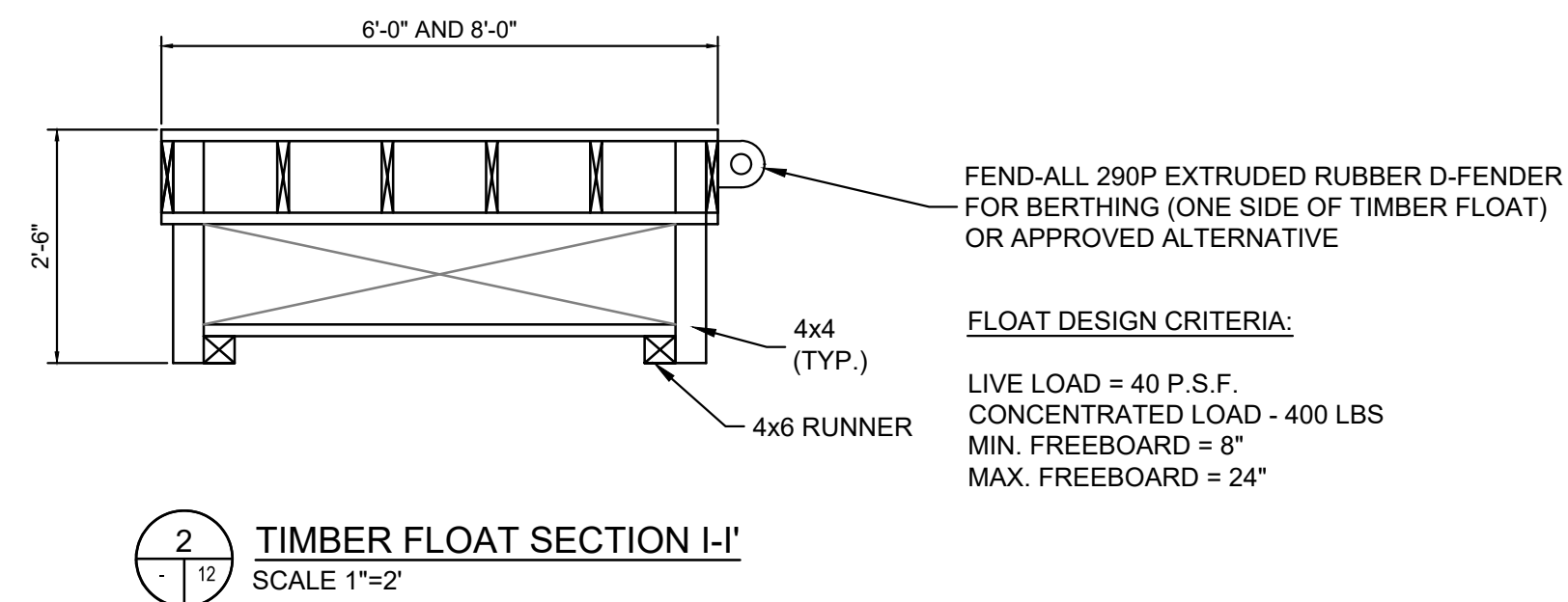
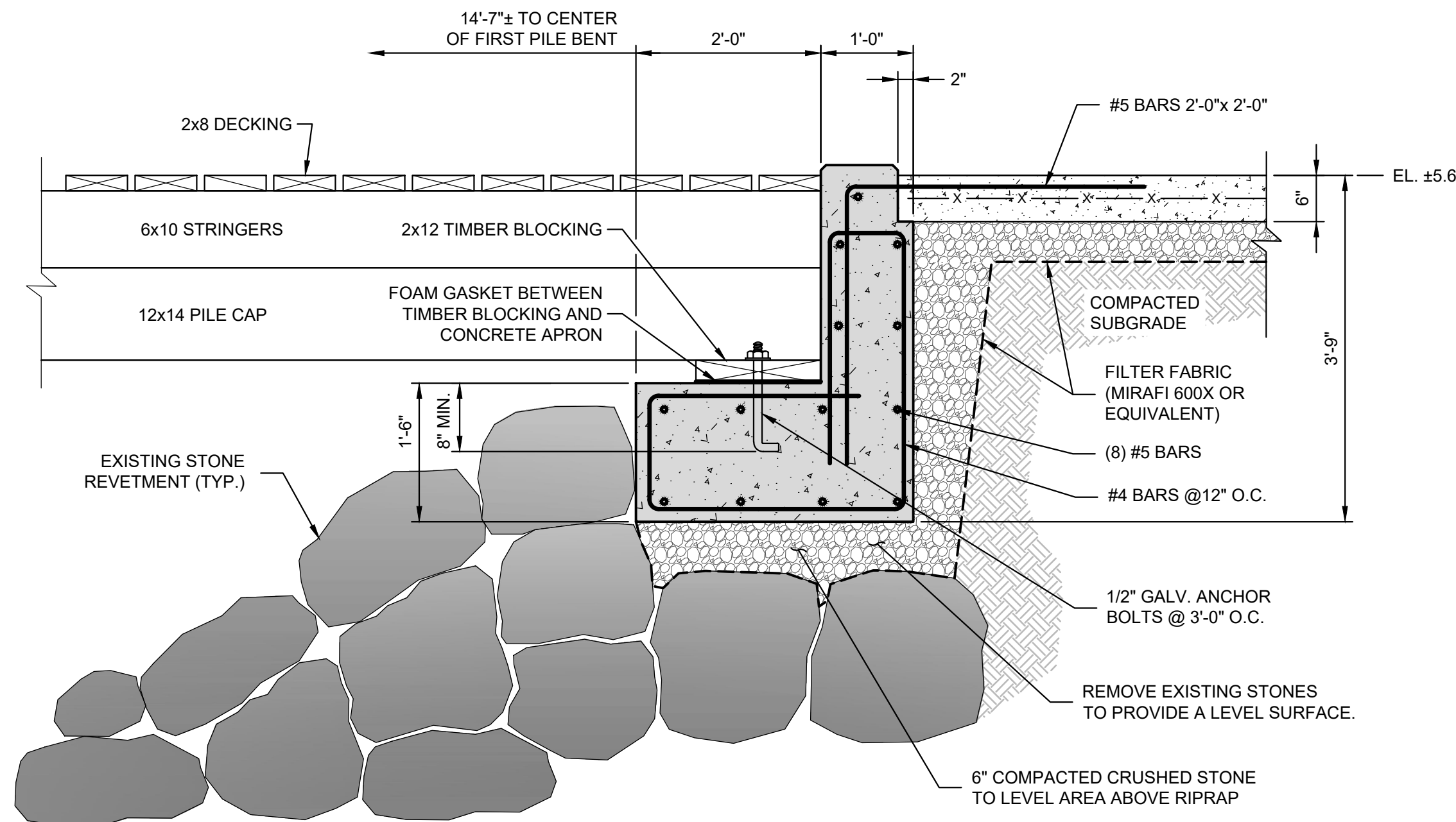
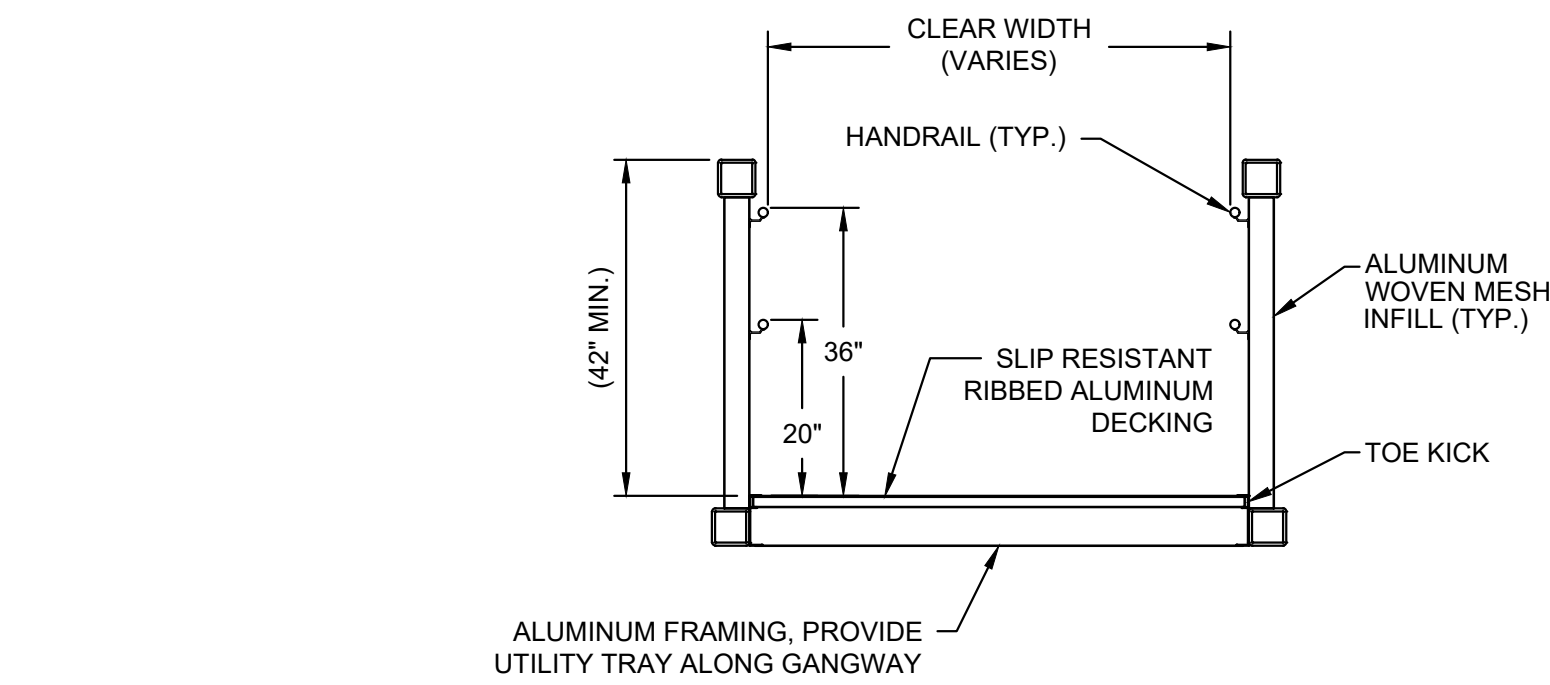
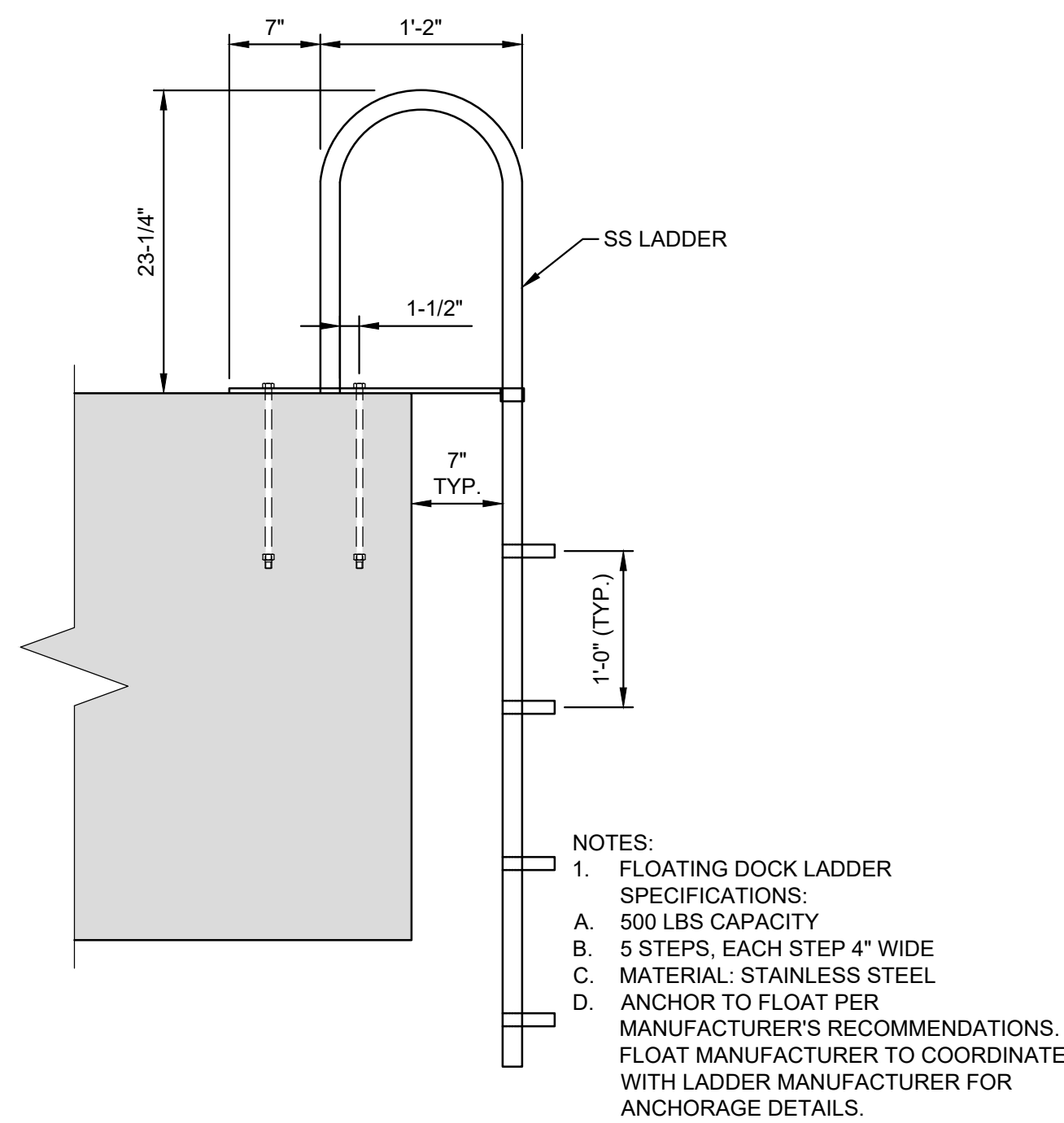
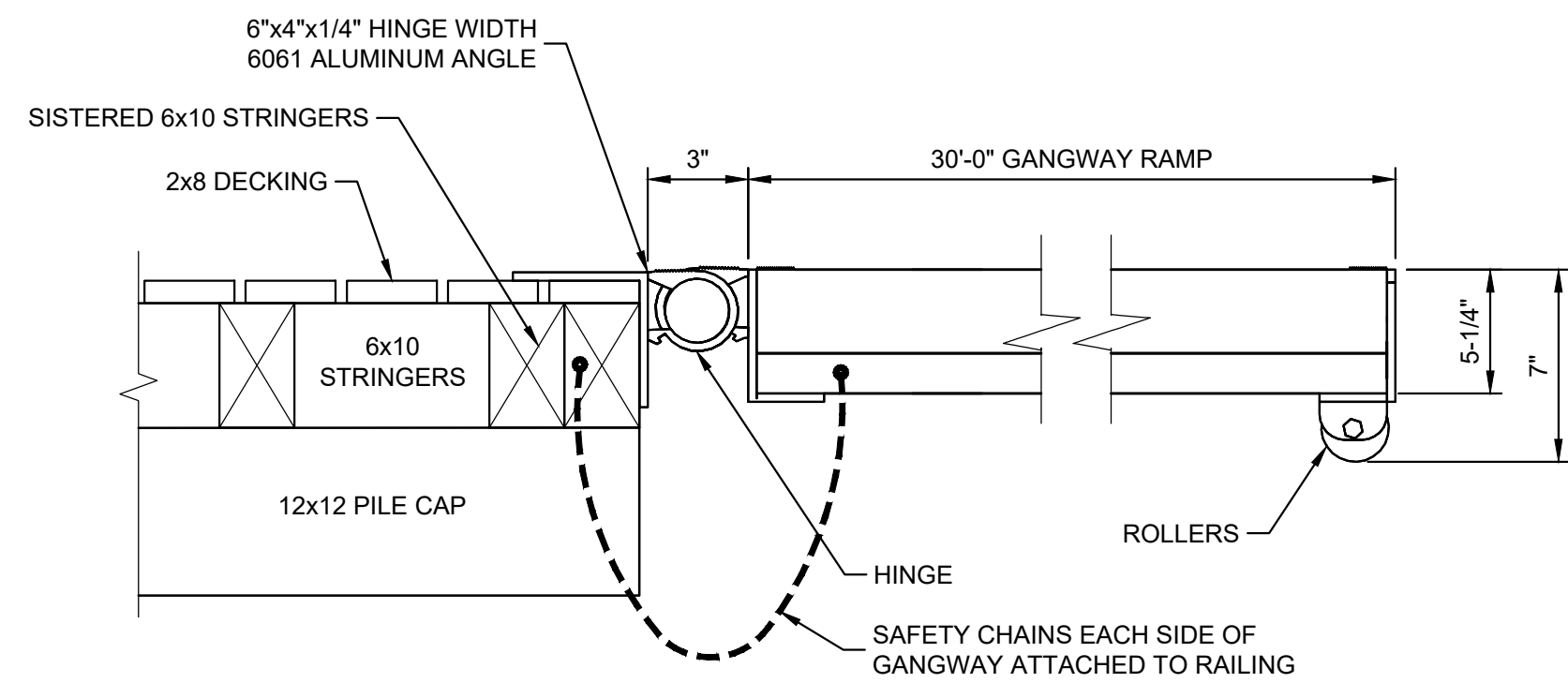
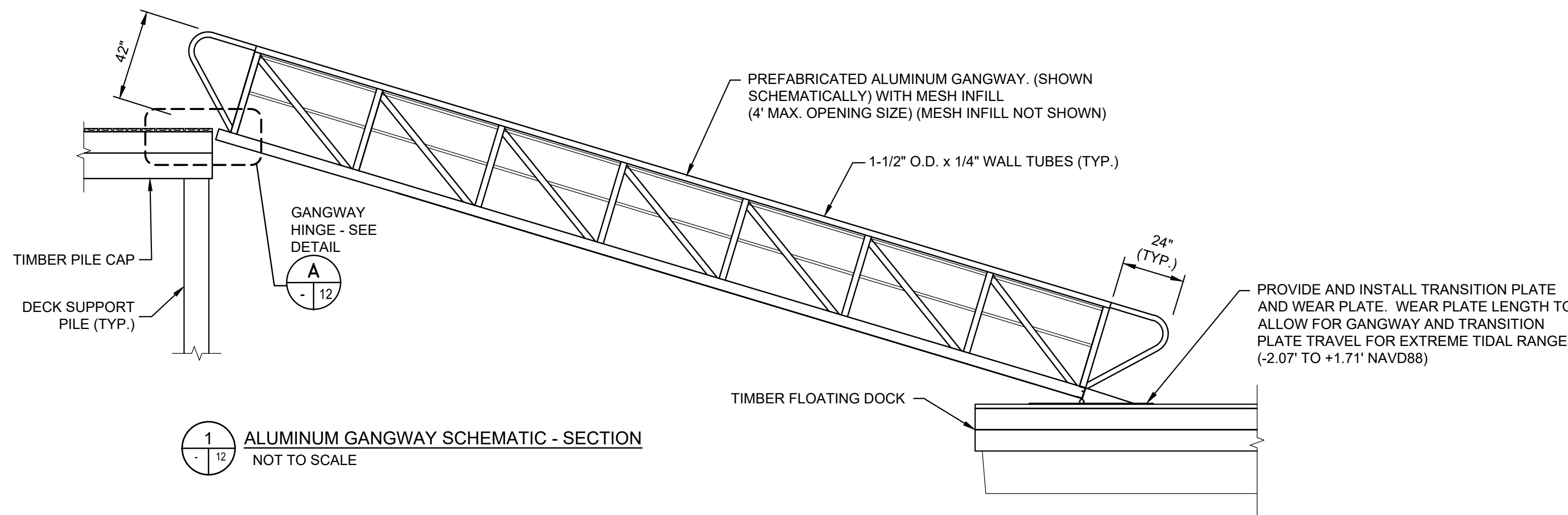
CHASE MARINA
169 RIVERSIDE DRIVE
VERTON, RHODE ISLAND

PROPOSED TIMBER DETAILS

DRAWING

11

SHEET NO. 11 OF 15



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DRAWN BY:	GRB
CHECKED BY:	TWS
REVIEWED BY:	MJP
SCALE:	AS NOTED
REVISION NO.	

CHASE MARINA
169 RIVERSIDE DRIVE
TIVERTON, RHODE ISLAND

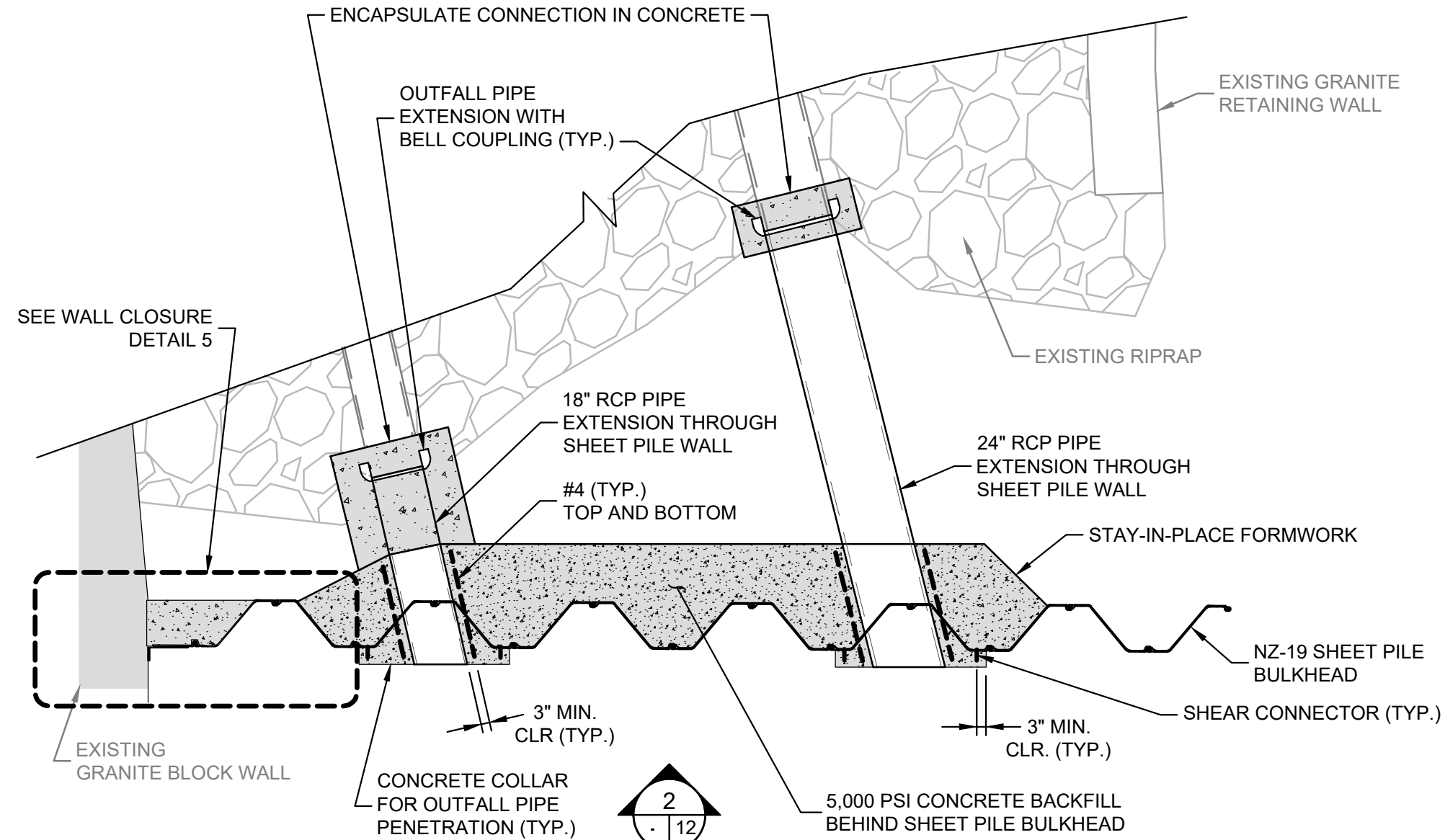
PROPOSED GANGWAY - DOCK
DETAILS / PHASE 1

DRAWING

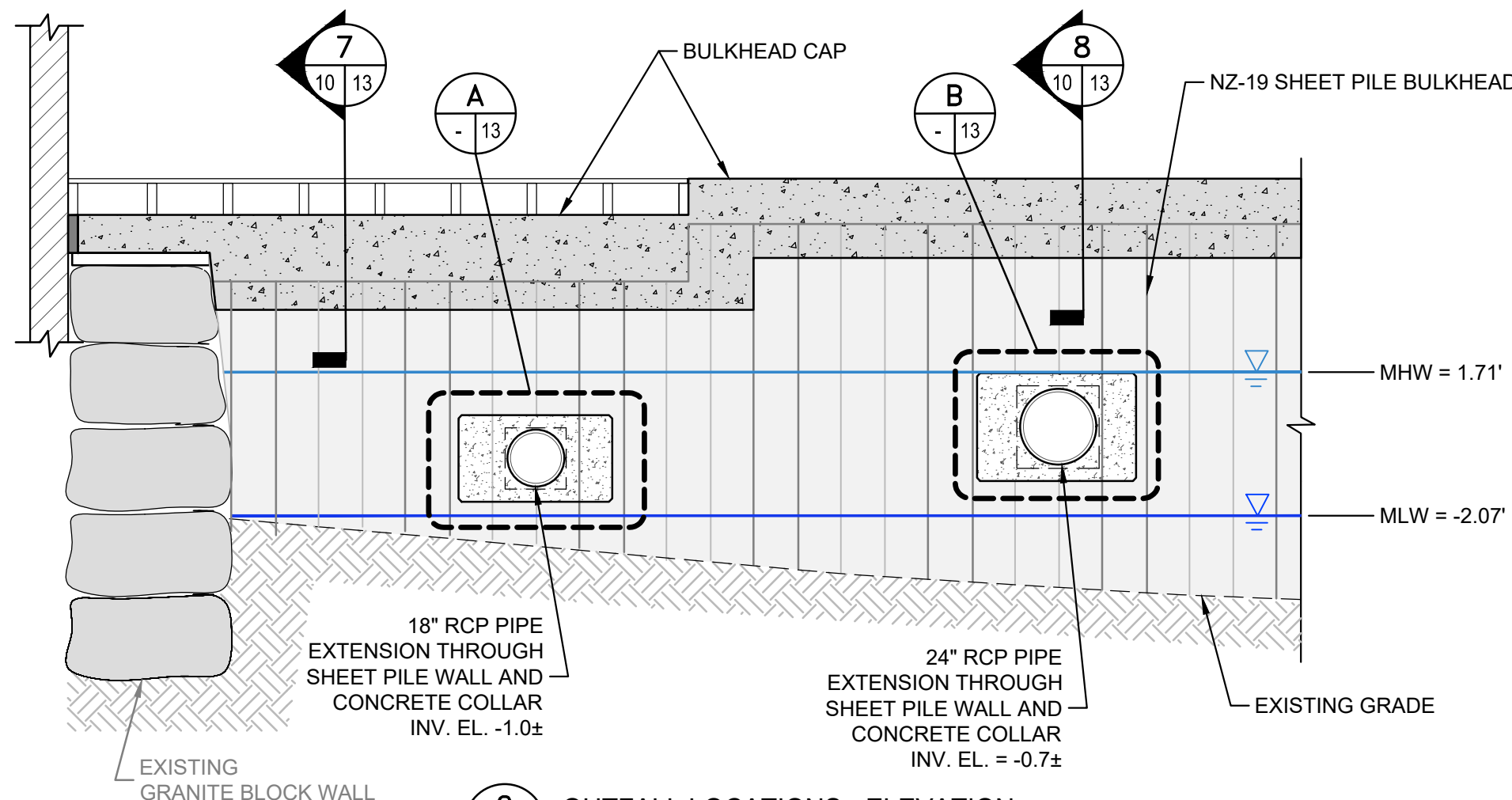
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SHEET NO. 11 OF 15

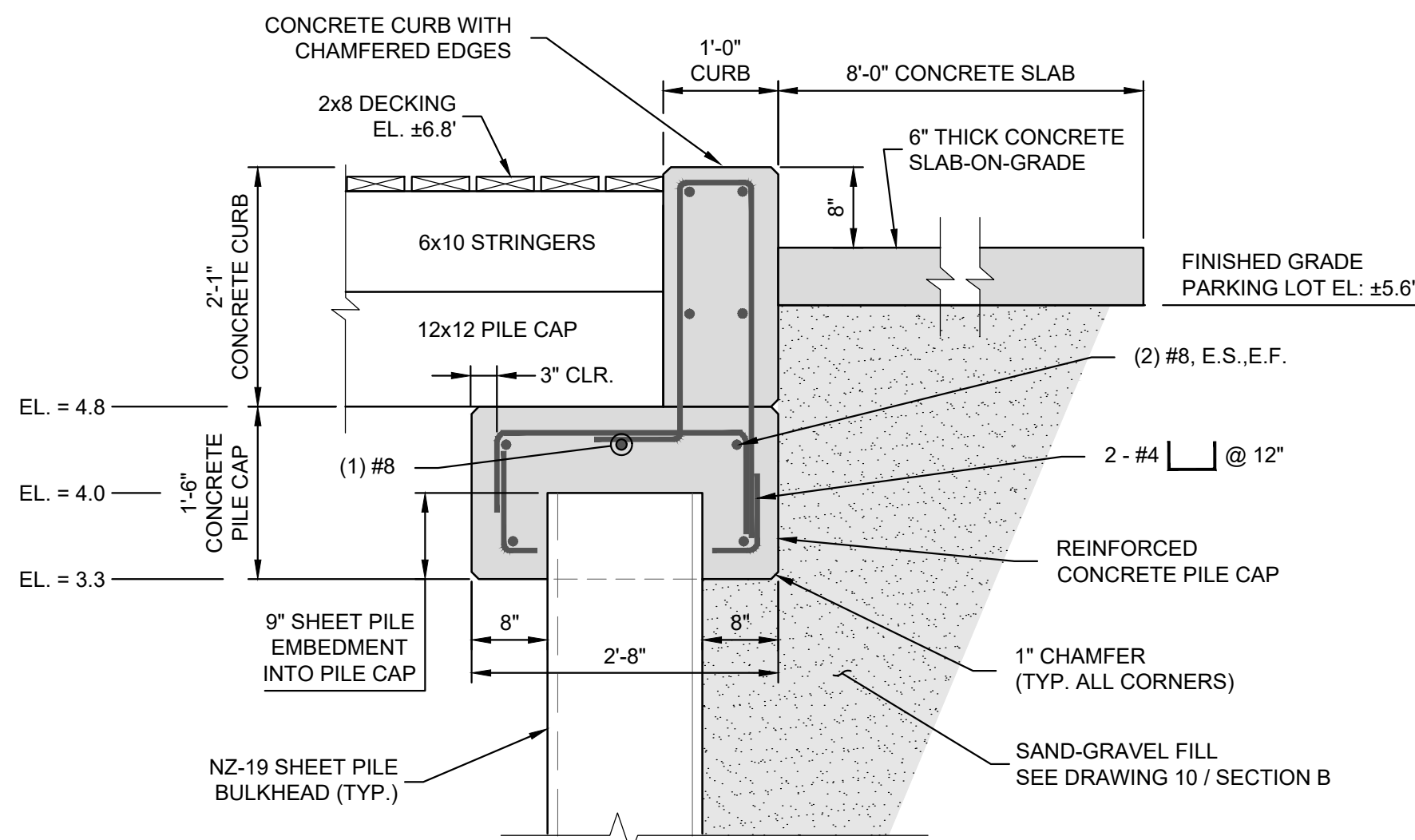
© 2025 - GZA GeoEnvironmental, Inc. GZA-J, GEO\35429-TWS\FIGURES\CAD\DWGS\CURRENT\PLANS\PERMITTING SET_10-22-25\35429.00_13_FR BULKHEAD-OUTFALL DETAILS.DWG 13 August 25, 2025 GARY BASTEN



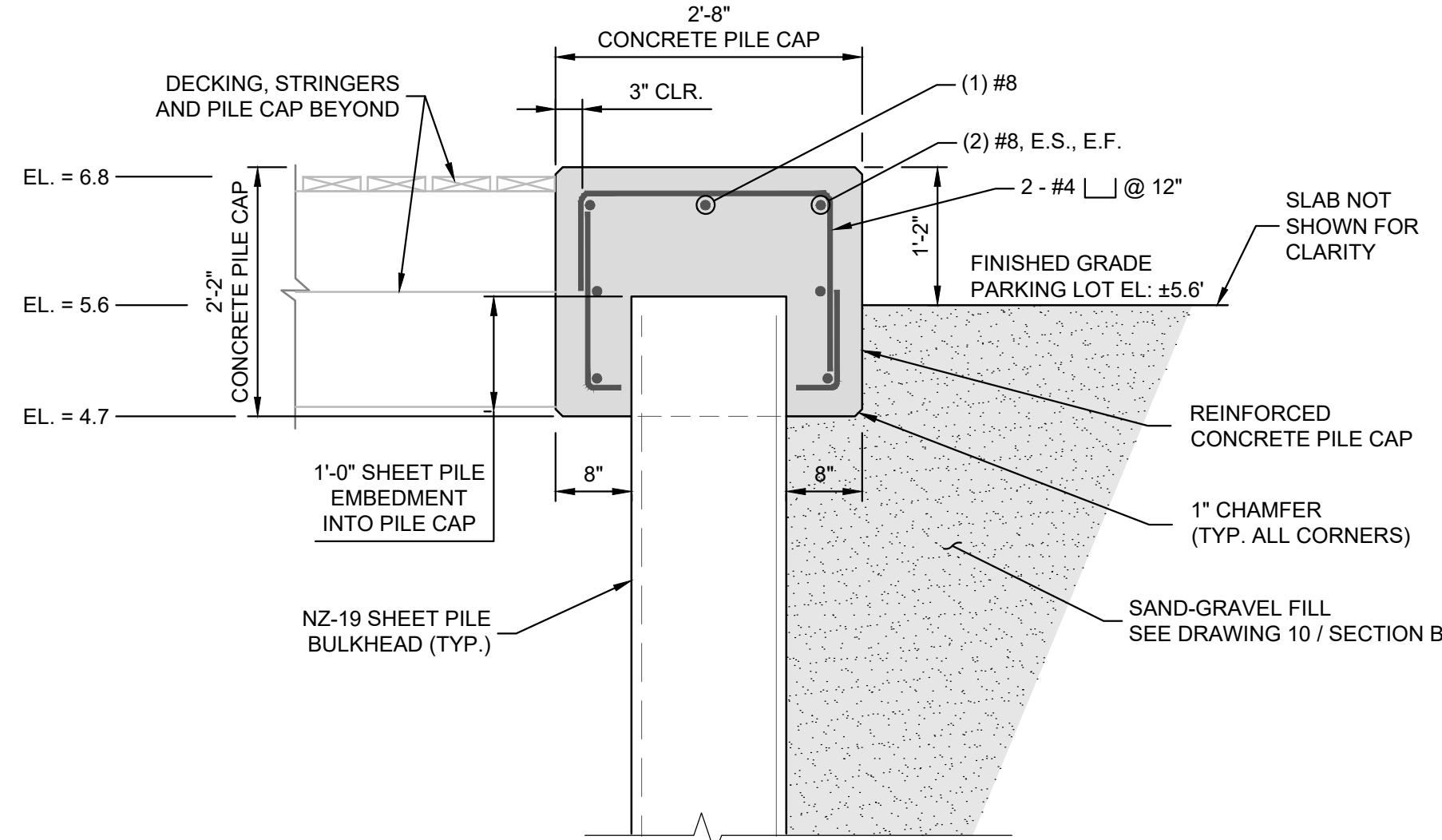
1
- 13
OUTFALL LOCATIONS - PARTIAL PLAN
SCALE: 1"=4'



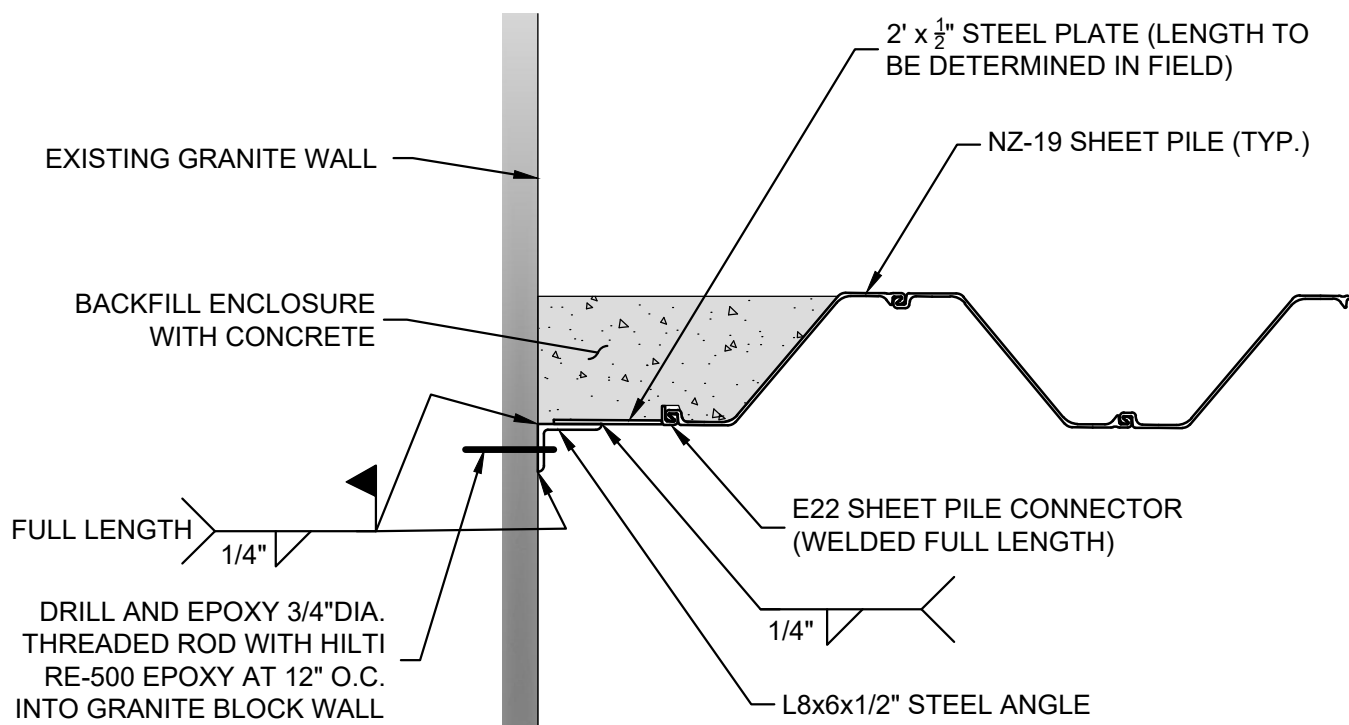
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- 13
OUTFALL LOCATIONS - ELEVATION
SCALE: 1"=4'



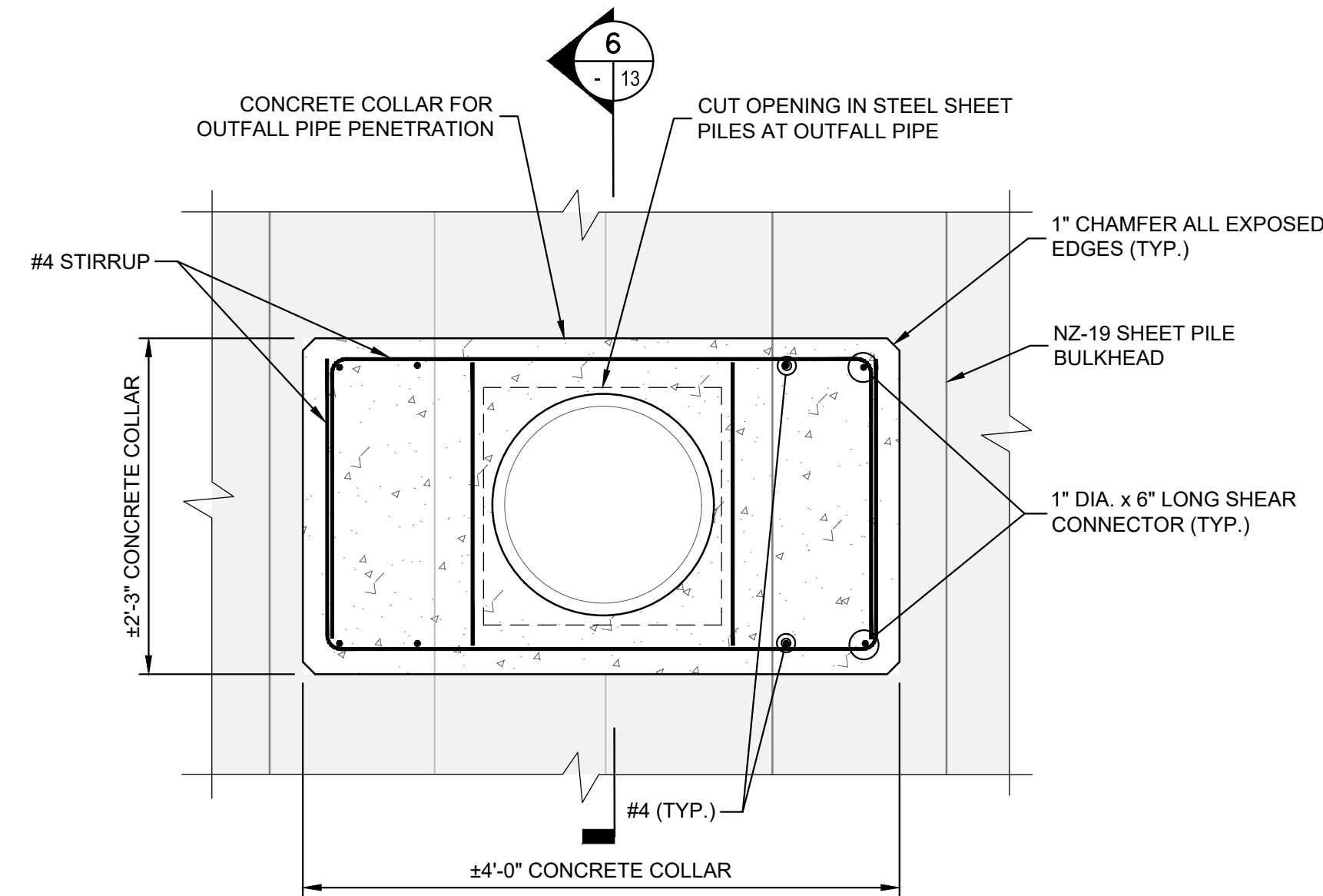
7
- 13
SECTION - CONCRETE BULKHEAD CAP WITH CURB
SCALE: .75"=1'



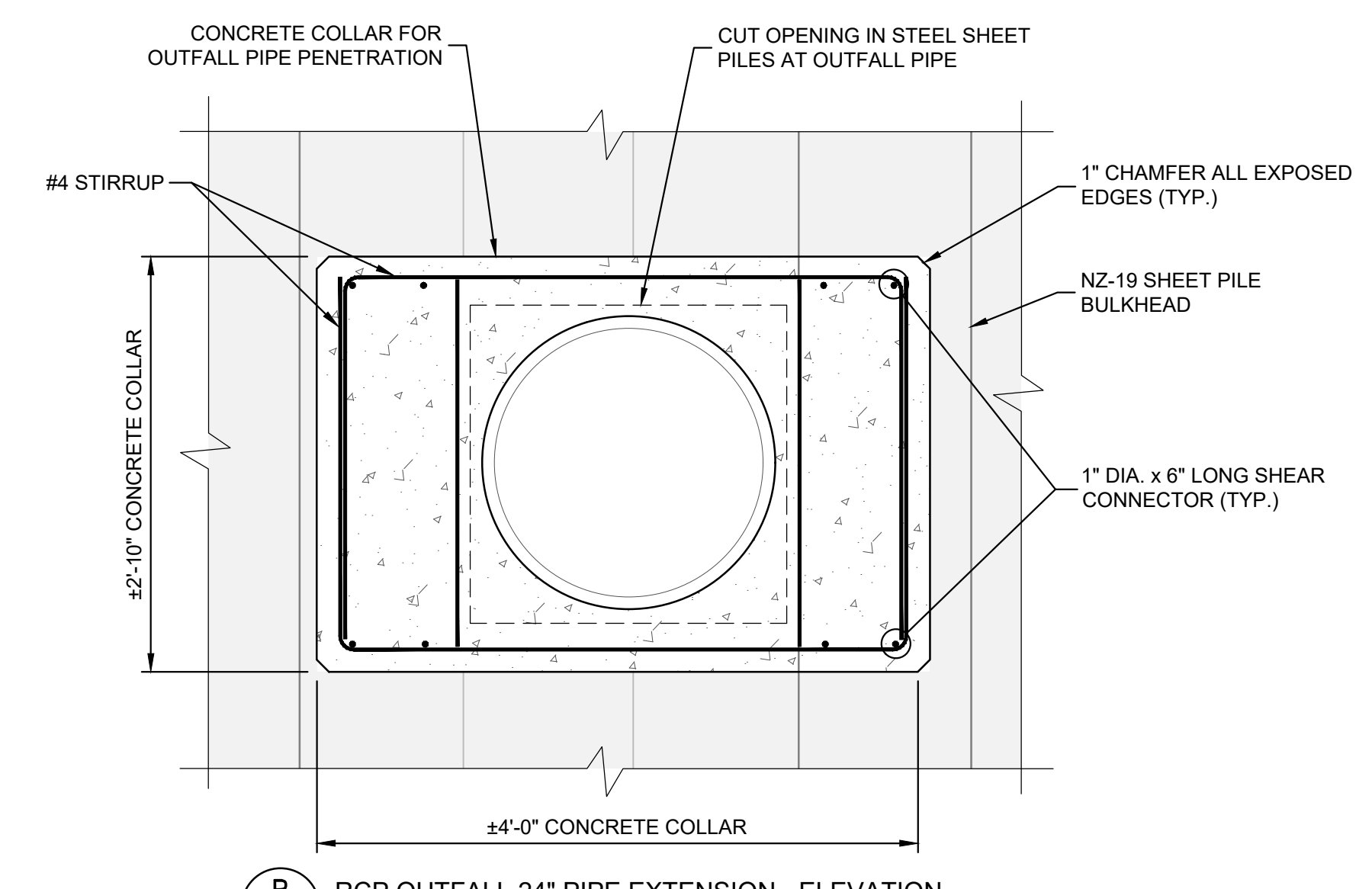
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SECTION - CONCRETE BULKHEAD CAP
SCALE: .75"=1'



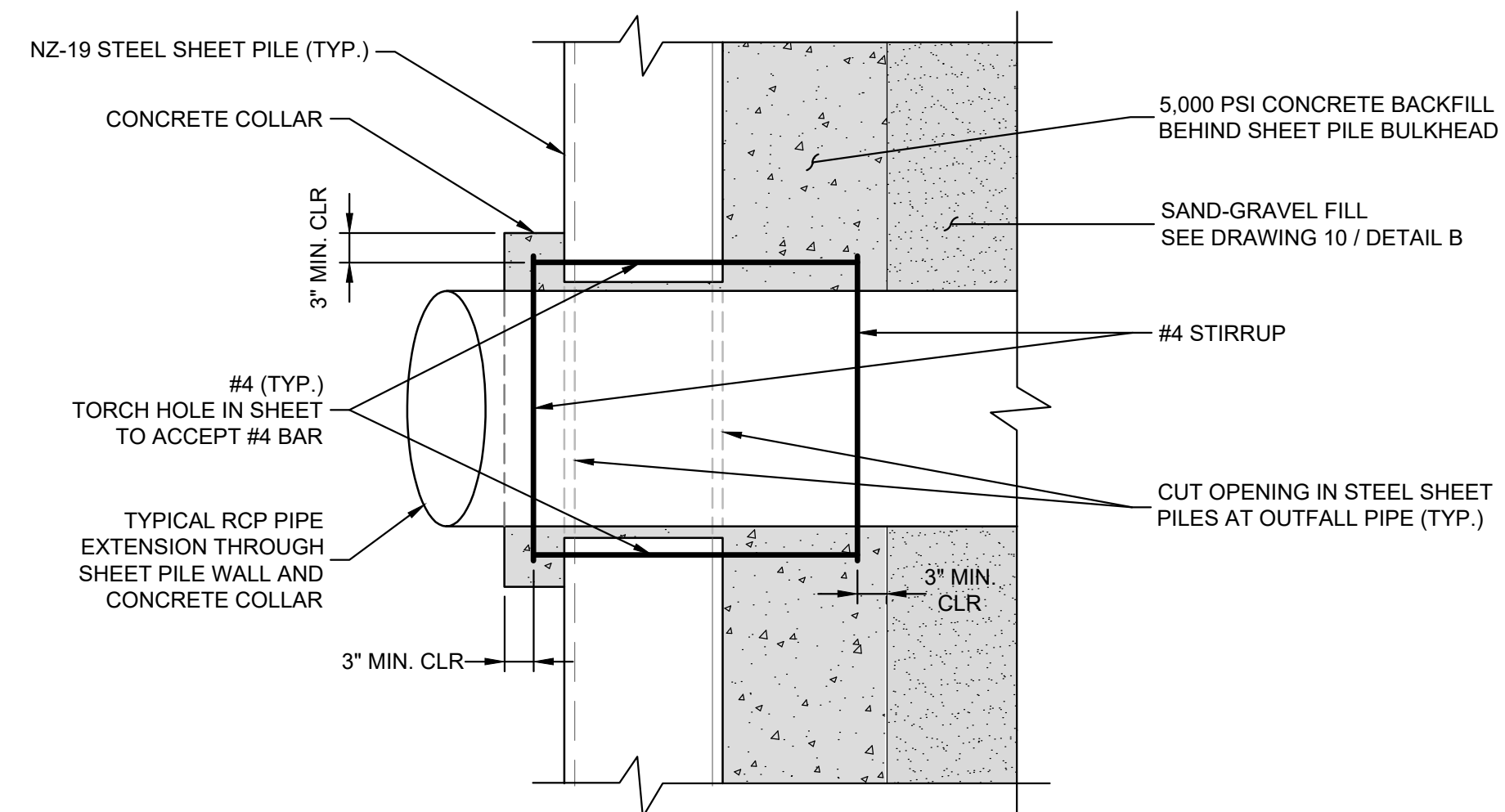
5
- 13
BULKHEAD CLOSURE AT GRANITE BLOCK WALL
SCALE: 1"=1'



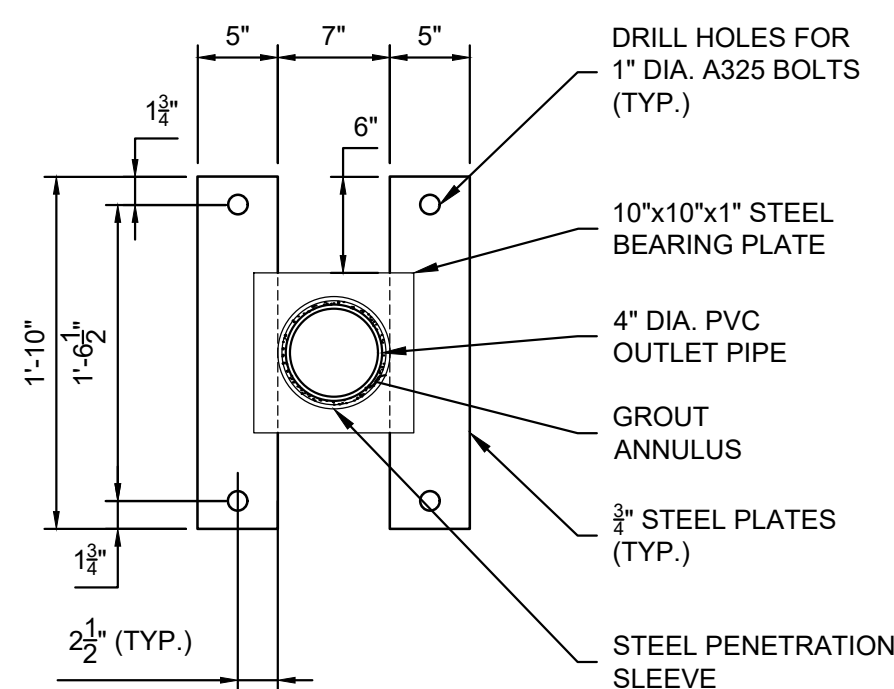
A
- 13
RCP OUTFALL 18" PIPE EXTENSION - ELEVATION
SCALE: 1"=1'



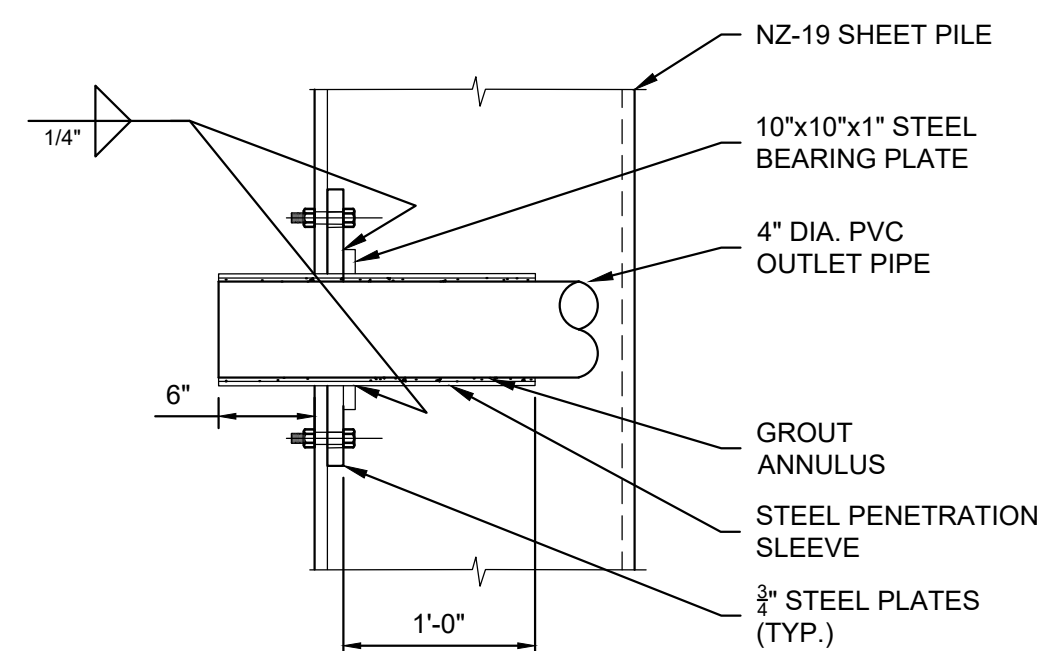
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- 13
RCP OUTFALL 24" PIPE EXTENSION - ELEVATION
SCALE: 1"=1'



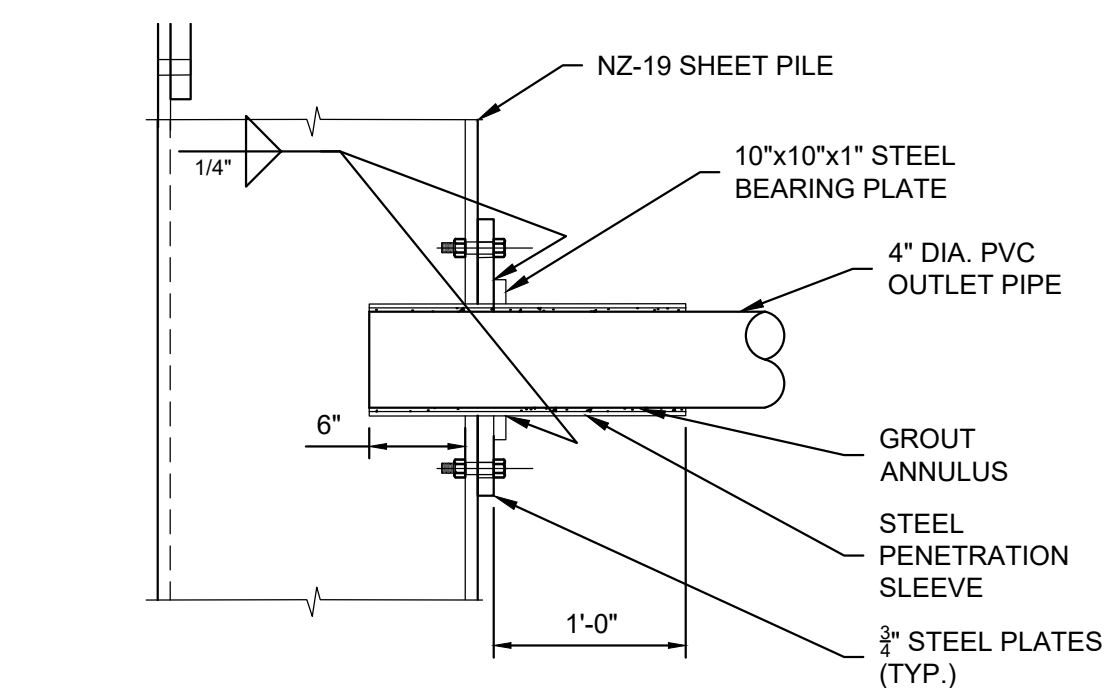
6
- 13
TYPICAL RCP EXTENSION THROUGH BULKHEAD - DETAIL
SCALE: .75"=1'



9
- 13
DETAIL - PVC OUTFALL PENETRATION
SCALE: 1"=1'



10
- 13
DETAIL - PVC OUTFALL PENETRATION
SCALE: 1"=1'



11
- 13
DETAIL - PVC OUTFALL PENETRATION
SCALE: 1"=1'



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CHASE MARINA
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TIVERTON, RHODE ISLAND

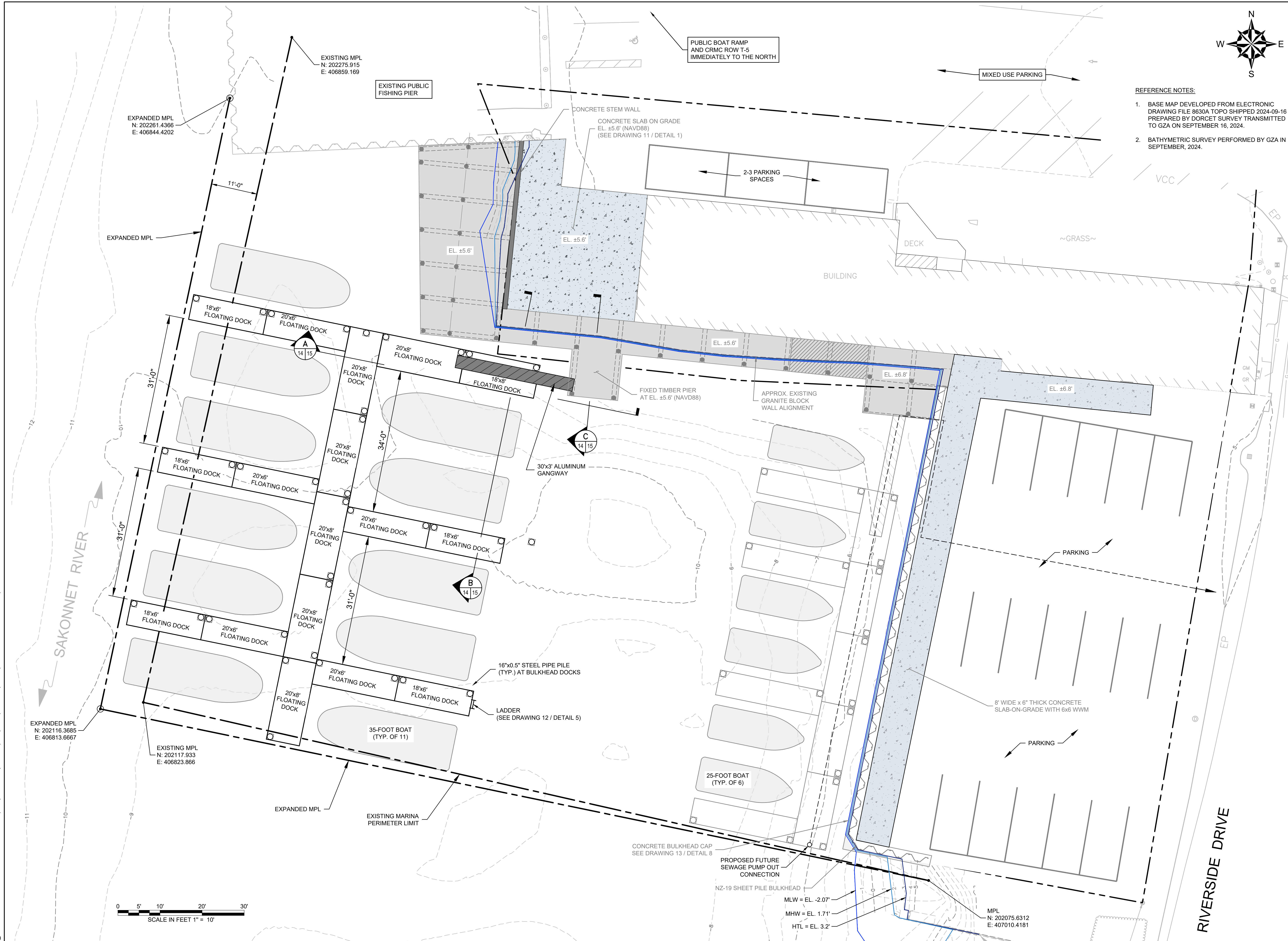
PROPOSED BULKHEAD - OUTFALL
DETAILS / PHASE 1

DRAWING

13

SHEET NO. 13 OF 15

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REFERENCE NOTES:

1. BASE MAP DEVELOPED FROM ELECTRONIC DRAWING FILE 8630A TOPO SHIPPED 2024-09-16 PREPARED BY DORCET SURVEY TRANSMITTED TO GZA ON SEPTEMBER 16, 2024.
2. BATHYMETRIC SURVEY PERFORMED BY GZA IN SEPTEMBER, 2024.

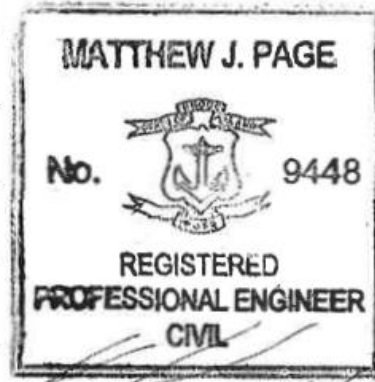


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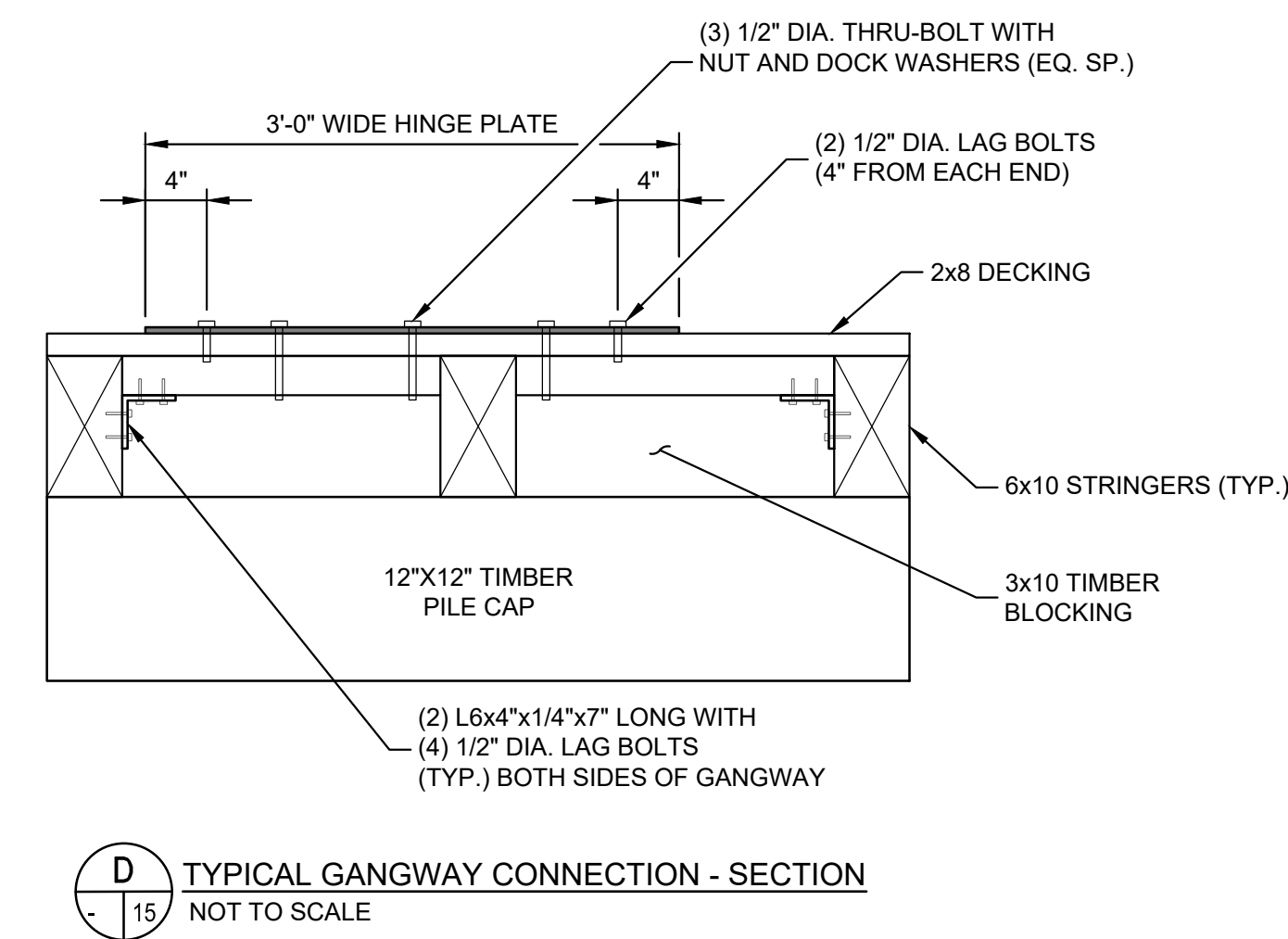
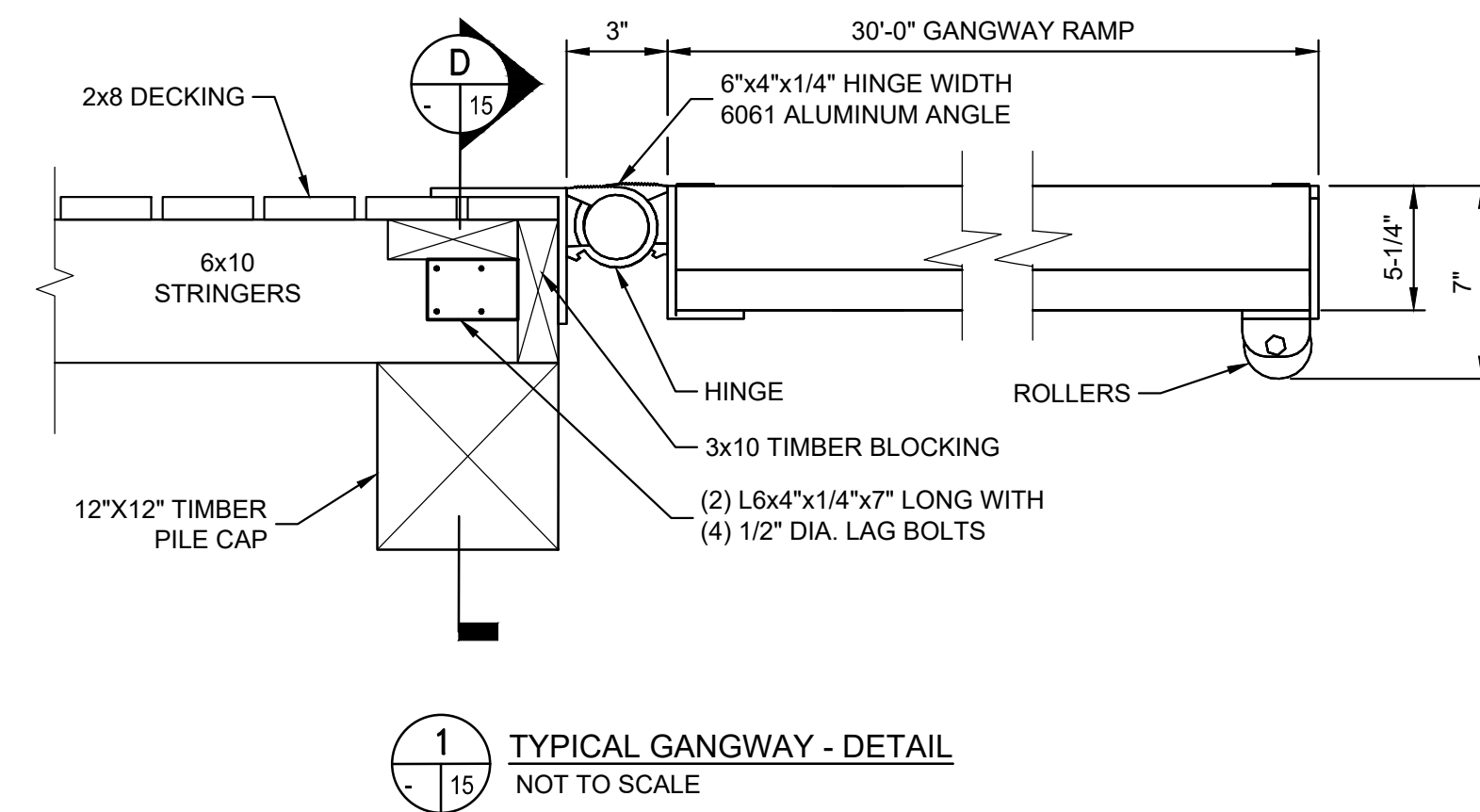
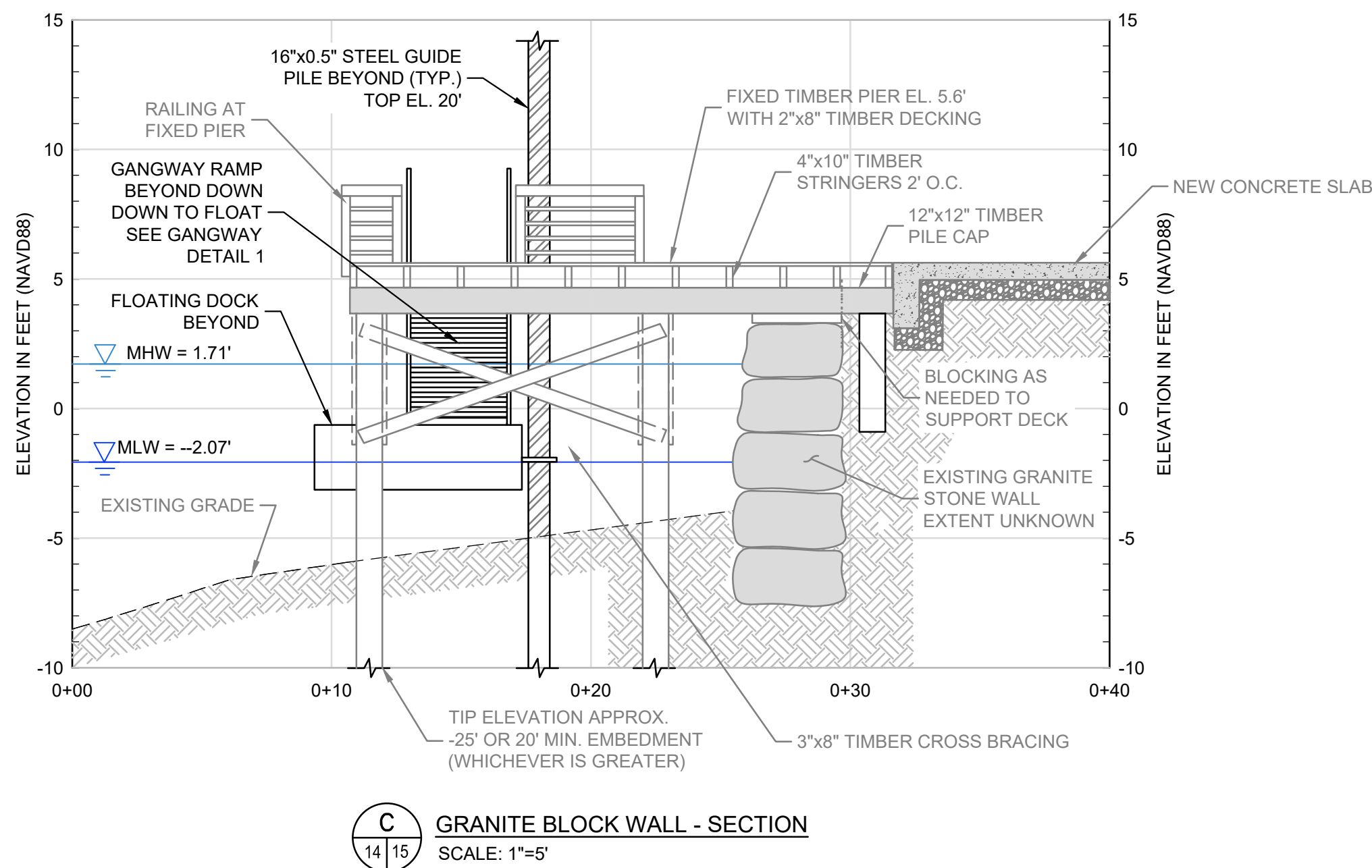
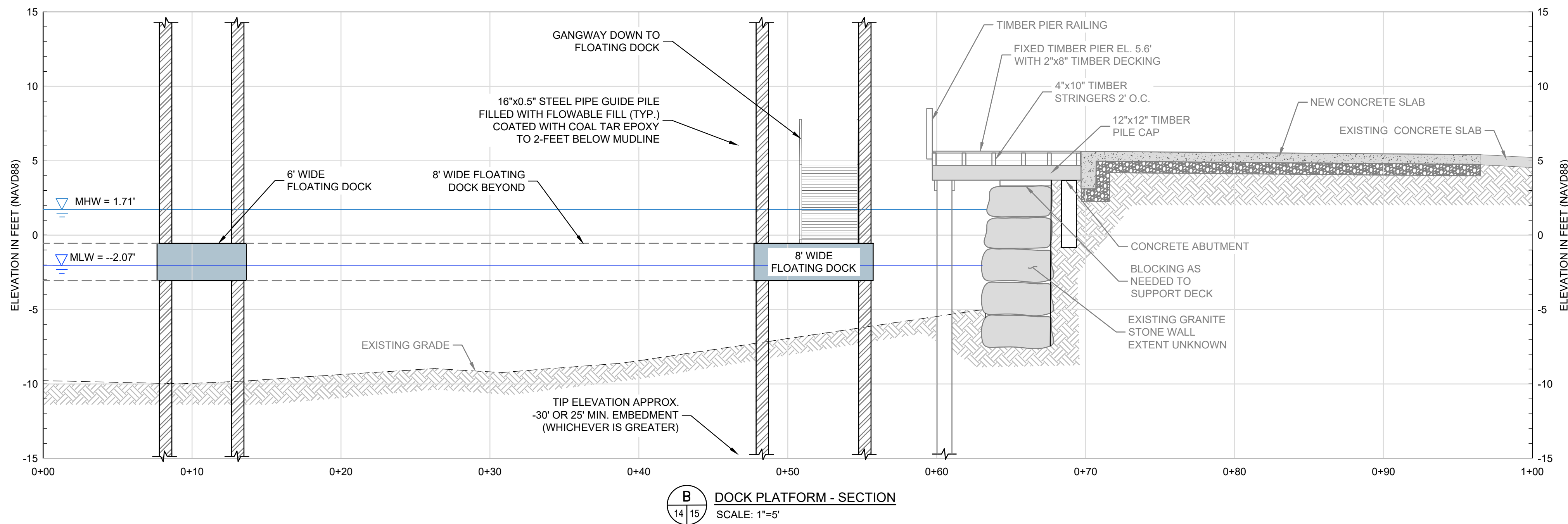
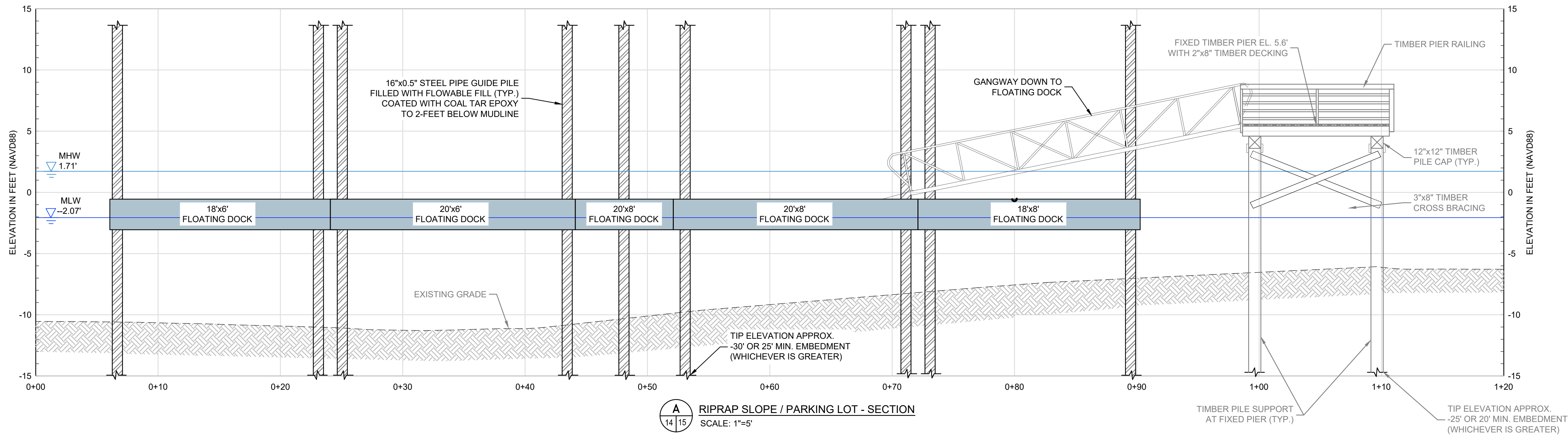
CHASE MARINA
169 RIVERSIDE DRIVE
TIVERTON, RHODE ISLAND

PROPOSED CONDITIONS PLAN - PHASE 2
AND FINAL CONDITIONS PLAN

DRAWING

14

SHEET NO. 14 OF 15



- NOTE:
1. TOP OF PILE CUTOFF ELEVATION = 20-FEET
 2. ALL STEEL PIPE GUIDE PILES TO BE CAPPED WITH A PVC PILE CAP.



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CHASE MARINA
169 RIVERSIDE DRIVE
TIVERTON, RHODE ISLAND

PROPOSED CONDITIONS SECTIONS
PHASE 2

DRAWING

15

SHEET NO. 15 OF 15