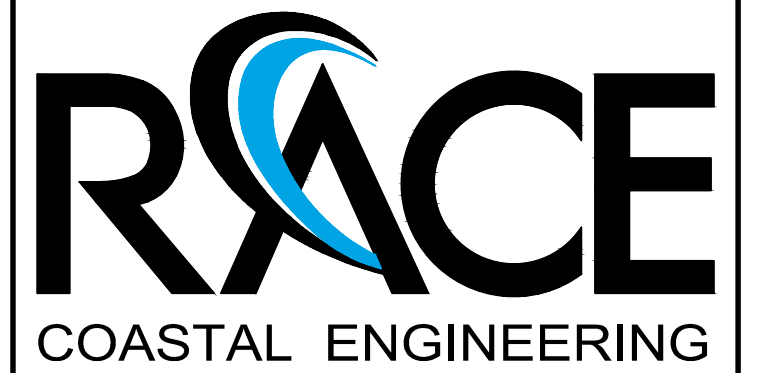


COVE PARK BOAT RAMP TOWN OF WETHERSFIELD 505 SILAS DEANE HIGHWAY WETHERSFIELD, CT 06109

JANUARY 21, 2019

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7	SECTIONS & DETAILS (1 of 2)
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REVISIONS:

NO.	DESCRIPTION	BY	DATE

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ISSUED FOR BID
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PREPARED FOR:

TOWN OF WETHERSFIELD
DEPT. OF PARKS & REC.
505 SILAS DEANE HIGHWAY
WETHERSFIELD, CT 06109

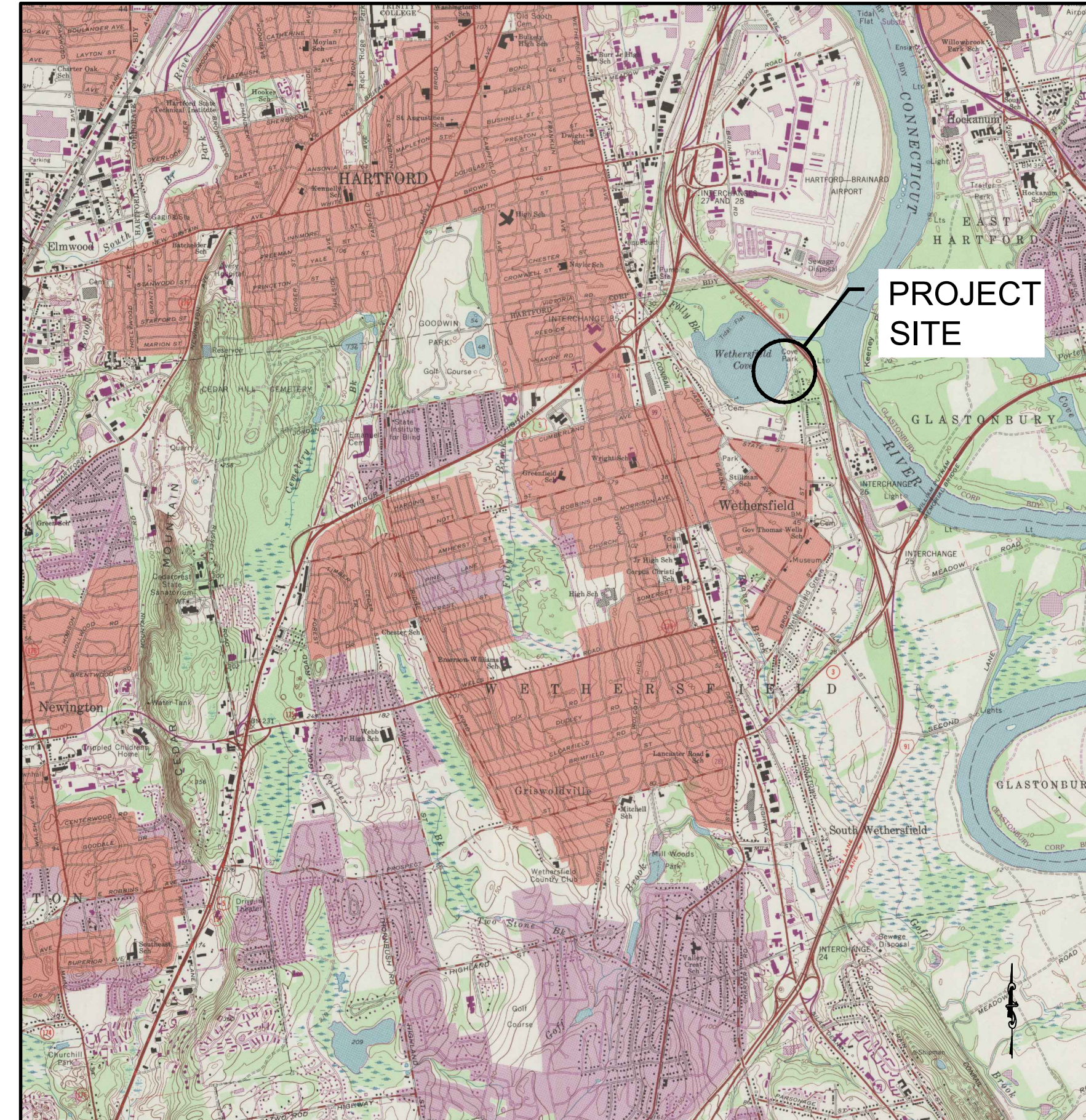
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COVE PARK BOAT RAMP
COVE PARK
WETHERSFIELD, CT 06109

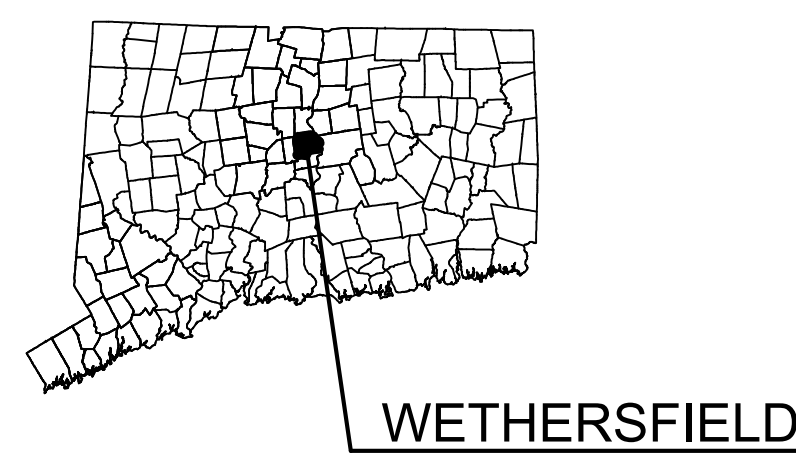
DRAWING:

TITLE SHEET,
DRAWING LIST
& VICINITY MAP

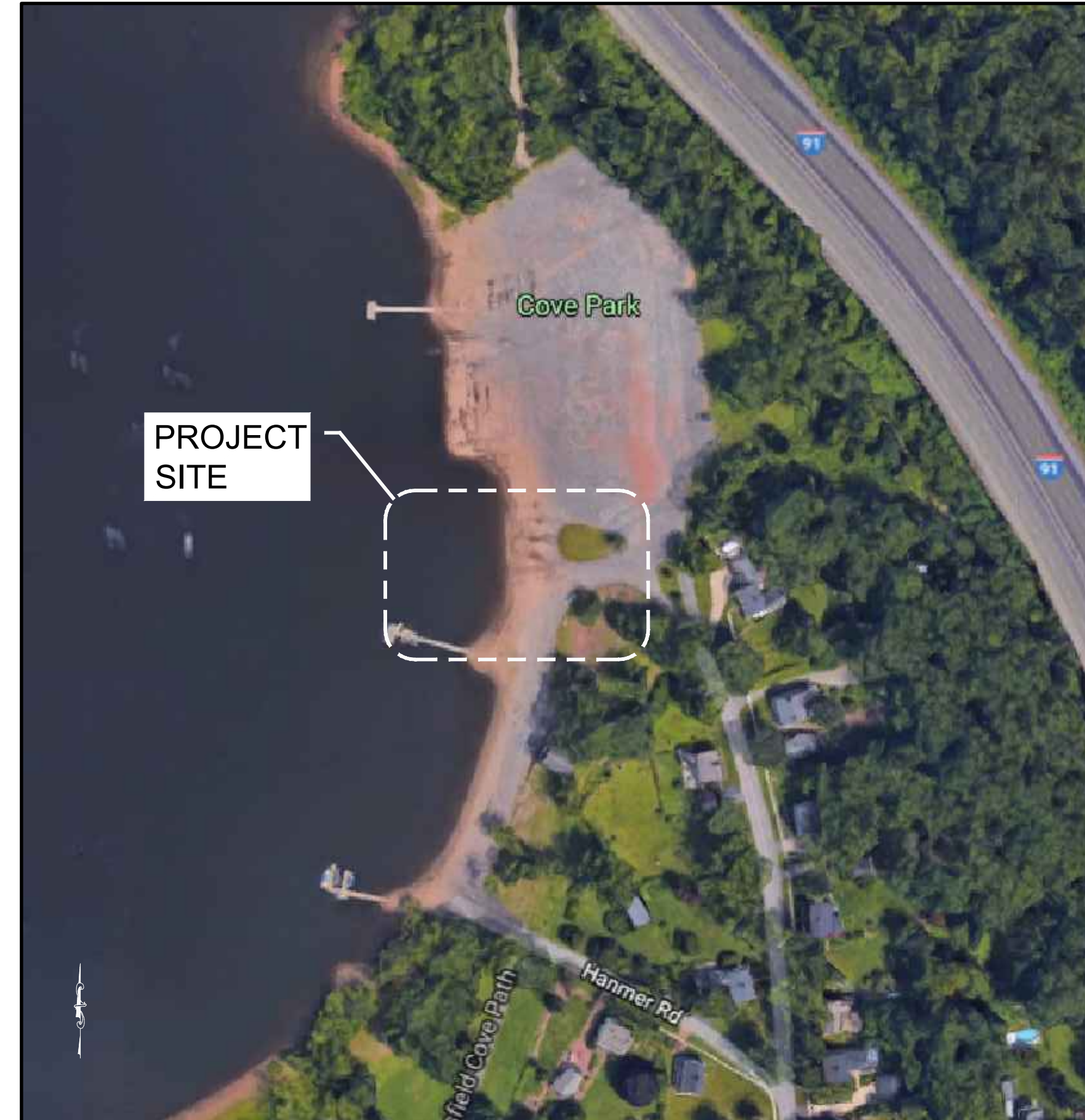
Designed By:	ARJ	Date:	1/21/2019
Drawn By:	CLW	Scale:	None
Checked By:	CGE	Project Number:	2018105
CAD File:	2018105 COVE PARK BOAT RAMP_IFB.DWG	Drawing No.:	1 of 9



VICINITY MAP



WETHERSFIELD



AERIAL PHOTO

PROJECT NOTES

DESCRIPTION OF WORK:

THE WORK COVERED UNDER THESE CONTRACT DOCUMENTS, INCLUDING THE DRAWINGS, GENERAL NOTES, AND SPECIFICATIONS AND ALL AMENDMENTS, CONSISTS OF PROVIDING ALL PLANT, LABOR, SUPERVISION, EQUIPMENT, APPLIANCES AND MATERIALS AND IN PERFORMING ALL OPERATIONS IN CONNECTION WITH AT LEAST, BUT NOT NECESSARILY LIMITED TO, THE FOLLOWING ITEMS:

- EXCAVATION AND SITE PREPARATION
- LAYOUT AND INSTALLATION OF CONCRETE BOAT RAMP
- RE-GRADE ADJACENT AREAS

THE CONTRACTOR SHALL PROVIDE ALL ITEMS AND ACCESSORIES REQUIRED TO COMPLETE ALL ASPECTS OF THE WORK, NEEDED FOR A COMPLETE AND PROPER INSTALLATION. THE PROJECT SHALL BE COMPLETED IN STRICT ACCORDANCE WITH THE CONTRACT DOCUMENTS.

GENERAL:

- ALL ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM 1985 NAVD 83. CONVERSION FROM ELEVATION ON DATUM NAVD 21 IS SUBTRACT 0.9' TO DETERMINE ELEVATION ON DATUM NAVD 83 (EL. 0' NAVD 83).
- PROJECT DESIGNED TO SUPPORT LIVE LOAD OF AASHTO HS-20.
- SITE INFORMATION HAD BEEN TAKEN FROM A DRAWING TITLED "WETHERSFIELD COVE, WETHERSFIELD - 10-24-10" PREPARED FOR RACE COASTAL ENGINEERING, LLC BY GESSICK AND ASSOCIATES, PC DATED OCTOBER 24, 2010.
- 3.1. THE MAP WAS PREPARED FROM RECORD RESEARCH, OTHER MAPS, LIMITED FIELD MEASUREMENTS AND OTHER SOURCES. IT IS NOT TO BE CONSIDERED AS A PROPERTY/BOUNDARY OR LIMITED PROPERTY/BOUNDARY SURVEY AND IS SUBJECT TO SUCH FACTS AS SAID SURVEYS MAY DISCLOSE.
- 3.2. THE SURVEY CONFORMS TO THE STANDARDS AND THE ACCURACY OF CLASS T-2 TOPOGRAPHIC ACCURACY.
- 3.3. BEARINGS AS DEPICTED ARE BASED UPON THE CONNECTICUT GRID SYSTEM NORTH AMERICAN DATUM OF 1983.
- 3.4. ELEVATIONS BASED UPON NORTH AMERICAN VERTICAL DATUM 1983.
- SUPPLEMENTARY INFORMATION OBTAINED BY RACE COASTAL ENGINEERING, LLC ON NOVEMBER 1, 2010 AND CAN ONLY REPRESENT THE SITE CONDITIONS AT THE TIME OF THE SURVEY.
- WORK SHALL COMPLY WITH FEDERAL, STATE AND LOCAL LAWS, STATUTES AS WELL AS THE REQUIREMENTS AND CONDITIONS OF ALL REGULATORY PERMITS ISSUED FOR THE WORK.
- THESE DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE PROJECT REGULATORY PERMITS AND THE CONDITIONS OF THOSE PERMITS. THE CONTRACTOR IS ADVISED THAT THE REGULATORY PERMITS FOR THIS PROJECT MAY CONTAIN ADDITIONAL REQUIREMENTS THAT, AFTER ANY ADDENDUM, SUPERSEDE THE DRAWING NOTES. THE CONTRACTOR IS FURTHER ADVISED THAT IN THE CASE OF ANY DISCREPANCIES WITHIN THE CONTRACT DOCUMENTS FOUND BEFORE CONSTRUCTION, THE FINAL DECISION AS TO WHAT INFORMATION TAKES PRECEDENCE WILL BE MADE BY THE ENGINEER OF RECORD ON THE BASIS OF THAT INTENT.
- CONTRACTOR RESPONSIBLE FOR PREPARATION OF FLOOD CONTINGENCY PLAN FOR APPROVAL AND MUST BE MAINTAINED THROUGHOUT CONSTRUCTION.
- EXISTING CONDITIONS AND DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND FABRICATION OR ORDERING OF ANY CONSTRUCTION MATERIALS.
- SECTIONS AND DETAILS APPLY TO SAME AND SIMILAR CONDITIONS UNLESS SPECIFICALLY NOTED OTHERWISE HEREIN.
- DAMAGE TO ANY PROPERTY, PRIVATE OR OF PUBLIC TRUST, OCCURRING DURING THE CONSTRUCTION BY THE CONTRACTOR, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL SAFEGUARD AND PROTECT ALL EXCAVATIONS.
- THE CONTRACTOR SHALL USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK.
- THE CONTRACTOR SHALL USE EQUIPMENT ADEQUATE IN SIZE, CAPACITY, AND NUMBERS, AND MAINTAINED TO THE REQUIREMENTS OF ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS TO ACCOMPLISH THE WORK.
- THE CONTRACTOR SHALL PROTECT WETLANDS AND COASTAL RESOURCES FROM INTRUSION BY TURBID WATERS, CONSTRUCTION DEBRIS, CONSTRUCTION EQUIPMENT, OR PERSONNEL DURING WORK ACTIVITIES.
- THE CONTRACTOR SHALL INCLUDE IN HIS CONTRACT SUM THE COST FOR ALL NECESSARY PERMITS, LICENSES, CERTIFICATES OF INSPECTION, AND ALL LEGAL FEES IN CONNECTION WITH THE WORK OF THIS CONTRACT. THE OWNER HAS OBTAINED NECESSARY REGULATORY PERMITS REQUIRED FOR THE WORK IN REGULATED AREAS.
- THE CONTRACTOR SHALL REQUEST COPIES OF THOSE REGULATORY PERMITS AND MAKE PROVISION IN THIS WORK AND IN THE COST OF THE WORK FOR APPLICABLE CONDITIONS OF THOSE PERMITS. FAILURE TO CONSIDER ANY CONDITION OF THE REGULATORY PERMITS AS A PART OF THE BID SHALL NOT RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY TO APPLY THOSE CONDITIONS TO HIS WORK AT NO ADDITIONAL COST TO THE OWNER.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROTECT FROM DAMAGE ALL UTILITIES, UTILITY STRUCTURES OR STRUCTURES WITH IN THE WORK AREA PRIOR TO ANY WORK BEING PERFORMED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE LANDSCAPING, INCLUDING BUT NOT LIMITED TO LAWN, TREES, PLANTINGS, TOPSOIL, GRASS, SIGNS, ETC. DISTURBED BY THE CONTRACTOR DURING THE COURSE OF THE PROJECT.
- THE CONTRACTOR SHALL KEEP WORK AREA CLEAN AND TIDY SITE. AT THE COMPLETION OF EVERY WORK DAY ANY DEBRIS ON THE SITE SHALL BE COLLECTED AND DISPOSED OF IN A PROPER MANNER.
- EXISTING STRUCTURES WITHIN THE VICINITY OF THE WORK THAT ARE TO REMAIN SHALL BE PROTECTED THROUGHOUT CONSTRUCTION.

PROJECT LAYOUT:

- THE CONTRACTOR SHALL HAVE A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF CONNECTICUT LAYOUT THE CONTRACT WORK PRIOR TO THE START OF CONSTRUCTION AND PROVIDE THE OWNER WITH AN "AS-BUILT" DRAWING OF THE COMPLETED WORK CONFORMING TO A-2 AND T-2 STANDARDS. THE COSTS FOR SUCH ITEMS SHALL BE INCLUDED IN THE CONTRACT SUM FOR THE WORK.
- ANY STRUCTURES CONSTRUCTED IN POSITIONS OTHER THAN THE LOCATIONS PLANNED ON THE PROJECT PLANS SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

- CONTRACTOR SHALL COORDINATE STAGING AREA WITH THE OWNER PRIOR TO START OF WORK. AT NO TIME SHALL CONSTRUCTION MATERIAL OR DEMOLITION DEBRIS BE STORED BELOW G.L. OR WITHIN TIDAL WETLAND AREAS.

DEMOLITION & DISPOSAL:

- CONTRACTOR SHALL DEMOLISH AND REMOVE FROM SITE ALL ITEMS LISTED ON DEMOLITION SCHEDULE AND/OR REQUIRED FOR THE CONSTRUCTION OF THE PROJECT INCLUDING ASSOCIATED UTILITIES AND ANCILLARY ITEMS.
- ALL DEBRIS AND DEMOLITION MATERIALS REMOVED FROM THE SITE SHALL BECOME THE PROPERTY OF THE CONTRACTOR. CONTRACTOR SHALL LEGALLY DISPOSE OF SUCH MATERIAL AND RETAIN ALL MANIFESTS AND DOCUMENTATION FOR DISPOSAL OPERATIONS. SUCH DOCUMENTATION SHALL BE MADE AVAILABLE TO THE OWNER UPON REQUEST.

CAST-IN-PLACE CONCRETE:

- CAST-IN-PLACE CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301 - LATEST EDITION, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS."
- CONFORM TO THE RECOMMENDATIONS OF ACI 304 - LATEST EDITION, "RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE."
- CONCRETE WORK SHALL CONFORM TO THE REQUIREMENTS OF ACI 318-LATEST EDITION, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE."
- CONCRETE SHALL BE NORMAL WEIGHT WITH A MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI AT 28 DAYS.
- CONCRETE SHALL CONTAIN 4% TO 6% ENTRAINED AIR.
- CONCRETE SHALL HAVE A MAXIMUM WATER TO CEMENT RATIO OF 0.40.
- READY MIX PLANT EQUIPMENT AND FACILITIES SHALL CONFORM TO THE "CHECK LIST FOR CERTIFICATION OF READY MIXED CONCRETE PRODUCTION FACILITIES" OF THE NRMCA.
- SUBMIT CONCRETE MIX DESIGN, WITH KNOWN TEST RESULTS, TO THE ENGINEER FOR REVIEW. THE CONCRETE MIX DESIGN SUBMITTAL SHALL CONSIST OF AT LEAST THE FOLLOWING:
 - TYPE OF CEMENT.
 - DRY WEIGHT OF CEMENT.
 - SATURATED SURFACE-DRY WEIGHTS OF FINE AND COARSE AGGREGATES.
 - SPECIFIC GRAVITY OF FINE AND COARSE AGGREGATES.
 - QUANTITIES, TYPE, NAME AND PRODUCER OF ADMIXTURES, AS APPLICABLE.
 - TOTAL WEIGHT OF WATER, INCLUDING THE WATER WHICH IS ABSORBED BY AND ON THE SURFACE OF THE AGGREGATES.
 - WATER TO CEMENT RATIO.
 - SUMP. MAXIMUM SLUMP, TAKEN AT THE TRUCK, WILL BE DETERMINED BASED ON THE PUMP HOSE LENGTH. THE MIX DESIGNS SHALL INCLUDE THE ANTICIPATED LOSS OF SLUMP PER 100 FOOT LENGTH OF SPECIFIED HOSE SIZE.
- STRENGTH TEST DATA OF THE PROPOSED MIX DESIGN AS SPECIFIED HEREIN.
- SUBMIT CONCRETE BATCH TICKETS FOR EACH TRUCK DELIVERED TO SITE. EACH TICKET SHALL NOTE AT LEAST THE FOLLOWING DATA: DESIGN MIX STRENGTH; BATCH PROPORTIONS INCLUDING ACTUAL WATER AND AGGREGATE MOISTURE CONTENTS; DATE AND BATCH TIME; ARRIVAL TIME AT SITE; DISCHARGE TIME; CONCRETE VOLUME; AND ANY CHANGE TO CONCRETE MADE AT THE SITE.

CONCRETE SHALL CONSIST OF THE FOLLOWING MATERIALS:

- PORTLAND CEMENT. TYPE II - LOW ALKALI CONFORMING TO ASTM C 150, "STANDARD SPECIFICATION FOR PORTLAND CEMENT."
- COARSE AND FINE AGGREGATE SHALL BE NORMAL WEIGHT AND UNIFORMLY GRADED AND CLEAN CONFORMING TO ASTM C33, "STANDARD SPECIFICATION FOR CONCRETE AGGREGATES." DO NOT USE AGGREGATE KNOWN TO CAUSE EXCESSIVE SHRINKAGE.
- COARSE AGGREGATE SHALL BE CRUSHED ROCK OR WASHED GRAVEL WITH A MAXIMUM SIZE OF 3/4".
- FINE AGGREGATE SHALL BE NATURAL WASHED SAND OF HARD AND DURABLE PARTICLES VARYING FROM FINE TO PARTICLES PASSING A 3/8" SCREEN, OF WHICH AT LEAST 12% SHALL PASS A 50-MESH SCREEN.
- CONCRETE SHALL HAVE DCl-5 CORROSION INHIBITOR ADMIXTURE AS MANUFACTURED BY W.R. GRACE, AT A RATE OF 4 GALLONS PER CUBIC YARD OF CONCRETE.
- WATER SHALL BE CLEAN AND POTABLE.
- AIR ENTRAINING ADMIXTURE SHALL CONFORM TO ASTM C260, "STANDARD SPECIFICATION FOR AIR ENTRAINING ADMIXTURE FOR CONCRETE." THE AIR ENTRAINING AGENT SHALL BE A NON-TOXIC CONCENTRATED SOLUTION OF NEUTRALIZED VINYL RESIN, SUCH AS "DARAVAIR" AS MANUFACTURED BY W.R. GRACE COMPANY OR EQUIVALENT ACCEPTED BY THE ENGINEER.
- WATER REDUCING ADMIXTURE SHALL CONFORM TO ASTM C494 "STANDARD SPECIFICATION FOR CHEMICAL ADMIXTURES FOR CONCRETE." WATER REDUCING AGENT SHALL BE OF TYPE A, B, C, D, E, F, OR G (AS NOTED IN CONCRETE MIX DESIGN) SUCH AS DARACEM-100" OR WRDA-19" AS MANUFACTURED BY W.R. GRACE COMPANY OR EQUIVALENT ACCEPTED BY THE ENGINEER.

- CURING MATERIALS SHALL CONFORM TO ASTM C309, "STANDARD SPECIFICATION FOR LIQUID MEMBRANE-FORMING COMPOUNDS FOR CURING CONCRETE"; WET BURLAP, OR PLASTIC MEMBRANE.
- CONCRETE SHALL BE PROPORTIONED TO HAVE A SLUMP OF 4 INCHES, ± 1 INCH, AT THE DISCHARGE END OF THE PUMP HOSE. USE WATER REDUCING AGENT AS REQUIRED TO ACHIEVE DESIRED SLUMP RANGE. ADDITION OF WATER AT SITE WILL NOT BE PERMITTED.
- DESIGN, ERECT, SUPPORT, BRACE, AND MAINTAIN FORMWORK SO IT WILL SAFELY SUPPORT VERTICAL AND LATERAL LOADS WHICH MAY BE APPLIED UNTIL SUCH LOADS CAN BE SUPPORTED SAFELY BY THE CONCRETE STRUCTURE IN ACCORDANCE WITH ACI 341- LATEST EDITION.

- FORM COATING OR WATER SHALL BE APPLIED TO ALL FORMS. IF COATING IS USED, IT SHALL BE APPLIED PRIOR TO PLACEMENT OF REINFORCING STEEL.

- FORM TIES AND SPREADERS SHALL BE OF SUCH TYPE AS TO LEAVE NO METAL CLOSER THAN 3 INCHES FROM ANY EXPOSED CONCRETE SURFACE.

- DOWELS OR SPLICES SHALL BE SHOWN ON THE SHOP DRAWINGS AND SHALL BE SUBJECT TO THE FIELD REVIEW OF THE ENGINEER. NO MORE THAN 60% OF THE TOTAL NUMBER OF BARS SHALL BE SPLICED AT ONE LOCATION.

- TRANSIT MIX THE CONCRETE IN ACCORDANCE WITH PROVISIONS OF ASTM C44 - LATEST EDITION.

- DO NOT USE CONCRETE AFTER 90 MINUTES FROM TIME OF INTRODUCTION OF WATER TO THE MIX.

- REMOVE FOREIGN MATTER ACCUMULATED IN THE FORMS.

- WET WOOD FORMS IMMEDIATELY PRIOR TO CONCRETE PLACEMENT. WET WOOD FORMS SUFFICIENTLY TO TIGHTEN UP CRACKS, WET OTHER MATERIAL SUFFICIENTLY TO MAINTAIN WORKABILITY OF THE CONCRETE.

- USE ONLY CLEAN TOOLS.

- PERFORM CONCRETE PLACING AT SUCH A RATE THAT CONCRETE WHICH IS BEING INTEGRATED WITH FRESH CONCRETE IS STILL PLASTIC.

- DEPOSIT CONCRETE AS NEARLY AS PRACTICABLE IN ITS FINAL LOCATION SO AS TO AVOID SEPARATION DUE TO REHANDLING AND FLOWING.

- DO NOT USE CONCRETE WHICH BECOMES NON-PLASTIC AND UNWORKABLE, OR DOES NOT MEET REQUIRED QUALITY CONTROL LIMITS, OR HAS BEEN CONTAMINATED BY FOREIGN MATERIALS.

- REMOVE REJECTED AND EXCESS CONCRETE FROM THE JOB SITE.

- FREE-FALL OF CONCRETE DURING PLACEMENT GREATER THAN EIGHT FEET IS PROHIBITED. THE CONTRACTOR SHALL PLACE CONCRETE WITH A TREMIE TUBE FOR DROPS GREATER THAN EIGHT FEET.

- DEPOSIT CONCRETE IN HORIZONTAL LAYERS NOT DEEPER THAN 24 INCHES, AND AVOID INCLINED CONSTRUCTION JOINTS.

- REMOVE TEMPORARY SPREADERS IN FORMS WHEN CONCRETE HAS REACHED THE ELEVATION OF THE SPREADERS.

- CONSOLIDATE EACH LAYER OF CONCRETE IMMEDIATELY AFTER PLACING, BY USE OF INTERNAL CONCRETE VIBRATORS SUPPLEMENTED BY HAND SPADING, RODDING, OR TAMPING.

- DO NOT USE VIBRATORS TO TRANSPORT CONCRETE INSIDE THE FORMS.

- DO NOT USE HORIZONTAL CONSTRUCTION JOINTS, UNLESS SPECIFICALLY SHOWN ON THE DRAWINGS.

- BEGINNING IMMEDIATELY AFTER PLACEMENT, CONCRETE SHALL BE PROTECTED FROM PREMATURE DRYING, EXCESSIVELY HOT OR COLD TEMPERATURES, AND MECHANICAL DAMAGE AND SHALL BE MAINTAINED WITH MINIMAL MOISTURE LOSS AT A RELATIVE CONSTANT TEMPERATURE FOR THE PERIOD NECESSARY FOR HYDRATION OF THE CEMENT AND HARDENING OF THE CONCRETE.

- IF COLD-WEATHER CONCRETING IS ANTICIPATED, A PRECONSTRUCTION MEETING SHOULD BE HELD TO DEFINE HOW COLD WEATHER CONCRETING METHODS WILL BE USED. WHEN THE MEAN DAILY AMBIENT TEMPERATURE IS AT OR BELOW 40 DEGREES F OR 45 DEGREES F AND FALLING, THE CONTRACTOR SHALL FOLLOW THE REQUIREMENTS OF ACI 306.1 - LATEST EDITION, STANDARD SPECIFICATION FOR COLD WEATHER CONCRETE.

- WHEN THE MEAN DAILY AMBIENT AND SUBSTRATE TEMPERATURE IS ABOVE 80 DEGREES F, THE CONTRACTOR SHALL FOLLOW THE REQUIREMENTS OF ACI 305.1 - LATEST EDITION, STANDARD SPECIFICATION FOR HOT WEATHER CONCRETING. CONCRETE SHALL BE PROTECTED FROM THERMAL DAMAGE. PROVISIONS FOR HINDRECKS, SHADING, FOG SPRAYING, SPRINKLING, PONDING, OR NET COVERING WITH A LIGHT COLORED MATERIAL SHALL BE MADE IN ADVANCE OF PLACEMENT AND SUCH PROTECTIVE MEASURES SHALL BE TAKEN AS QUICKLY AS CONCRETE HARDENING AND FINISHING OPERATIONS WILL ALLOW.

- REMOVE ALL FINS, BLEMISHES, AND DEFECTIVE CONCRETE AREAS AND PATCH WHERE REQUIRED WITH REWORKED CEMENT MORTAR OF THE SAME PROPORTIONS AS THAT USED IN THE CONCRETE.

- FORM TIE HOLES SHALL BE PLUGGED SOLID WITH REWORKED CEMENT MORTAR OF THE SAME PROPORTIONS AS THAT USED IN THE CONCRETE.

- TESTS OF CONCRETE SHALL BE MADE BY AN INDEPENDENT TESTING AGENCY AT THE EXPENSE OF THE OWNER. THE CONTRACTOR SHALL SCHEDULE TESTS AND NOTIFY THE OWNER AND ENGINEER OF TESTING SCHEDULE. TEST SPECIMENS SHALL BE TAKEN FOR EACH 50 CUBIC YARDS, OR PORTION THEREOF, AND EACH DAY'S POUR. ALL SPECIMENS SHALL BE PREPARED AND TESTED IN ACCORDANCE WITH ASTM C 39, ASTM C 31, AND ASTM C 172. CONCRETE SLUMP, AIR CONTENT, AND TEMPERATURE SHALL BE MEASURED FOR EACH BATCH IN ACCORDANCE WITH ASTM C 143 AND ASTM C 231.

NON-SHRINK, NON-STAINING GROUT:

- GROUT SHALL BE FIVE-STAR, NON-SHRINK, NON-STAINING AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI CONFORMING TO ASTM C827.
- BAGGED, PRE-MIXED FORMULATIONS OF NON-SHRINK GROUT MUST MEET THE REQUIREMENTS OF ASTM C 1107, GRADE B. THE GROUT SHALL BE MIXED WITH POTABLE WATER FOR USE. THE GROUT SHALL BE MIXED TO A FLOWABLE CONSISTENCY AS DETERMINED BY ASTM C 230. ALL BAGGED MATERIAL SHALL BE CLEARLY MARKED WITH THE MANUFACTURER'S NAME, DATE OF PRODUCTION, BATCH NUMBER, AND WRITTEN INSTRUCTIONS FOR PROPER MIXING, PLACEMENT AND CURING OF THE PRODUCT.
- THE CONTRACTOR MAY FORMULATE AND DESIGN A GROUT MIX FOR USE ON THE PROJECT IN LIEU OF USING A PREBAGGED PRODUCT. THE CONTRACTOR MUST OBTAIN PRIOR WRITTEN APPROVAL OF THE ENGINEER FOR ANY SUCH PROPOSED MIX DESIGN. ANY SUCH MIX DESIGN SHALL INCLUDE THE PROPORTIONS OF HYDRAULIC CEMENT, POTABLE WATER, FINE AGGREGATES, EXPANSIVE AGENT, AND ANY OTHER NECESSARY ADDITIVE OR ADMIXTURE. THIS MATERIAL SHALL MEET ALL OF THE SAME CHEMICAL AND PHYSICAL REQUIREMENTS AS MUST THE PRE-BAGGED GROUT, IN ACCORDANCE WITH ASTM C1107, GRADE B.
- ANY EXCESS CONCRETE AND/OR GROUT SHALL BE CLEANED OFF THE EXTERIOR SURFACE.

REINFORCING STEEL:

- DETAILING, FABRICATION, AND ERECTION OF REINFORCING STEEL SHALL CONFORM WITH ACI-318 AND ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING, REINFORCED CONCRETE STRUCTURES."
- FABRICATE REINFORCEMENT TO THE REQUIRED SHAPES AND DIMENSIONS, WITHIN FABRICATION TOLERANCES STATED IN THE CRSI "MANUAL OF STANDARD PRACTICES."

- REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60 UNLESS OTHERWISE NOTED. REINFORCING STEEL REQUIRED TO BE WELDED SHALL BE ASTM A706 GRADE 60.

- REINFORCING STEEL SHALL BE EPOXY COATED. EPOXY COATING SHALL BE FUSION BONDED AS PER ASTM A 715.

- POSITION, SUPPORT, AND SECURE REINFORCEMENT AGAINST DISPLACEMENT BY FORMS, CONSTRUCTION, AND THE CONCRETE PLACEMENT OPERATIONS.

- REINFORCING STEEL SHALL BE CONTINUOUS UNLESS SPECIFICALLY DETAILED OTHERWISE ON THE CONTRACT DRAWINGS. PROVIDE DOWELS OR LAP SPLICES OF THE APPROPRIATE CLASS TO MAINTAIN CONTINUITY, UNLESS OTHERWISE SHOWN ON THE CONTRACT DRAWINGS. MINIMUM LAP SPLICES, UNLESS OTHERWISE NOTED, SHALL BE 12 BAR DIAMETERS.

- MINIMUM CONCRETE PROTECTIVE COVERING FOR REINFORCEMENT, UNLESS NOTED OTHERWISE, SHALL BE 3".

- FORM TIES AND SPREADERS SHALL BE OF SUCH TYPE AS TO LEAVE NO METAL CLOSER THAN SPECIFIED FROM ANY EXPOSED CONCRETE SURFACE.

- DO NOT USE REINFORCING STEEL HAVING ANY OF THE FOLLOWING DEFECTS:

- BAR LENGTHS, DEPTHS, OR BENDS EXCEEDING THE SPECIFIED FABRICATION TOLERANCE.
- BENDS OR KINKS NOT INDICATED ON THE DRAWINGS OR REQUIRED FOR THIS WORK.
- BAR WITH CROSS-SECTION REDUCED DUE TO ANY CAUSE.

- CLEAN REINFORCEMENT AND REMOVE LOOSE DUST, EARTH, AND OTHER MATERIALS WHICH REDUCE BOND OR DESTROY BOND WITH CONCRETE.

- SPACERS, CHAIRS, BOLSTERS, AND OTHER DEVICES NECESSARY FOR THE PROPER REINFORCING STEEL PLACEMENT SHALL BE HOT DIPPED GALVANIZED.

- NO CLAY OR CONCRETE OR ANY OTHER MATERIAL OTHER THAN APPROVED CHAIRS SHALL BE USED. ONE CHAIR SAMPLE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

- ALL REINFORCING STEEL SHALL BE ADEQUATELY TIED WITH TIE WIRE AND SUPPORTED AS REQUIRED TO THE SPECIFIED CLEARANCE.

PRECAST CONCRETE:

- THE MANUFACTURER OF THE PRECAST UNITS SHALL BE CERTIFIED BY THE NATIONAL PRECAST CONCRETE ASSOCIATION'S PLANT CERTIFICATION PROGRAM PRIOR TO AND DURING PRODUCTION OF THE UNITS FOR THIS PROJECT.

- THE MANUFACTURER SHALL HAVE BEEN IN BUSINESS OF PRODUCING MANUFACTURES PRECAST UNITS SIMILAR TO THOSE SPECIFIED FOR A MINIMUM OF 10 YEARS. THE MANUFACTURER SHALL MAINTAIN A PERMANENT QUALITY CONTROL DEPARTMENT OR RETAIN AN INDEPENDENT TESTING AGENCY ON A CONTINUING BASIS.

- PRECAST BOAT RAMP ELEMENTS SHALL BE DESIGNED TO RESIST H20 LOADING AS WELL AS ASSOCIATED DEAD LOADS.

- PRECAST BOAT RAMP UNITS SHALL BE DESIGNED WITH AN UNSUPPORTED SPAN OF 4' AT ANY LOCATION.

- PRECAST CONCRETE UNIT SHOP DRAWINGS FURNISHED BY THE MANUFACTURER SHALL BE SUBMITTED FOR APPROVAL BY THE ENGINEER. THESE DRAWINGS SHALL SHOW COMPLETE DESIGN, MEMBER DIMENSIONS, REINFORCING DETAILS, INSTALLATION, AND CONSTRUCTION INFORMATION IN SUCH DETAIL AS TO ENABLE THE ENGINEER TO DETERMINE THE ADEQUACY OF THE PROPOSED UNITS FOR THE INTENDED USE.

- SEALED AND SIGNED DESIGN CALCULATIONS BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CONNECTICUT SHALL BE INCLUDED WITH THE SHOP DRAWING SUBMITTAL.

- OPENINGS WITHIN THE RAMP PLANKS SHALL BE FILLED WITH NON-SHRINK GROUT INCLUDING BUT NOT LIMITED TO THE LIFTING EYES. GROUTED OPENINGS THAT ARE WITHIN THE GROOVE PATTERN SHALL BE FORMED TO MATCH THE PLANK GROOVES.

- EMBEDDED ITEMS IN PRE-CAST ELEMENTS SHALL BE HOT DIPPED GALVANIZED OR 316 STAINLESS STEEL UNLESS NOTED OTHERWISE.

- CONCRETE, AT A MINIMUM, SHALL MEET THE REQUIREMENTS OF THE CAST-IN-PLACE CONCRETE SPECIFICATION AS NOTED WITHIN THESE CONSTRUCTION DRAWINGS.

- CONCRETE MIX DESIGN AND BREAK TESTS FOR THE MIX SHALL BE SUBMITTED FOR APPROVAL.

- REINFORCING STEEL SHALL MEET THE REQUIREMENTS OF THE REINFORCING STEEL SPECIFICATION AS NOTED WITHIN THESE CONSTRUCTION DRAWINGS.

- CONCRETE PLANKS SHALL INCLUDE TOP AND BOTTOM REINFORCEMENT STEEL.

- CONCRETE PLANKS SHALL HAVE A GROOVE FINISH AS SPECIFIED HEREIN. CONTRACTOR SHALL PROVIDE A MOCK UP PANEL OF THE GROOVE FINISH TO THE OWNER FOR APPROVAL PRIOR TO ORDERING PLANKS. THERE SHALL BE NO ADDITIONAL COST TO THE OWNER IF THE GROOVE PATTERN IS MODIFIED FOLLOWING REVIEW OF THE MOCK UP PANEL.

- ANY CONCRETE PLANK WHICH HAS BEEN DAMAGED DURING DELIVERY, MOVING, OR INSTALLATION SHALL BE REMOVED AND REPLACED AT NO COST TO THE OWNER.

- PRECAST UNITS SHALL NOT BE SHIPPED UNTIL THEY ARE AT LEAST 7 DAYS OLD. UNLESS IT CAN BE SHOWN THAT THE CONCRETE STRENGTH HAS REACHED AT LEAST 75% OF THE SPECIFIED 28 DAY STRENGTH.

- FINAL INSPECTION AND ACCEPTANCE OF THE MANUFACTURED PRECAST UNITS SHALL BE MADE BY THE ENGINEER OR OWNER UPON ARRIVAL AT THE JOBSITE.

ASPHALT/BITUMINOUS CONCRETE:

- BITUMINOUS CONCRETE PAVEMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE TECHNICAL PROVISIONS OF SECTION 4.06 OF CONDOT FORM 817.
- ALL MATERIALS SHALL MEET THE REQUIREMENTS OF SECTION M.04 OF CONDOT FORM 817.

SIGNAGE:

- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR SIGNS.

- SUBMITTAL SHALL INCLUDE,
 - SIGN MATERIAL AND COATING
 - DIMENSIONS AND LOCATIONS OF BRACKETS, HOLES, ETC.
 - ATTACHMENT AND INSTALLATION MATERIALS AND METHOD.

- SIGNS SHALL HAVE REFLECTIVE FACE.

- SIGNS SHALL BE CONSTRUCTED FROM ALUMINUM.

- MATERIAL AND INSTALLATION SPECIFICATIONS SHALL BE COMPLIANT WITH CONDOT FORM 817 AND CONNECTICUT DEPARTMENT OF TRANSPORTATION BUREAU OF ENGINEERING & CONSTRUCTION CATALOG OF SIGNS.

FIBERGLASS REINFORCED POLYMER (FRP) PILES/MARKER POSTS:

- PILE SHALL BE FIBERGLASS REINFORCED POLYMER MATERIAL (FRP) UNLESS OTHERWISE APPROVED BY THE OWNER. PILE SHALL BE MANUFACTURED BY CMI INC., PEARSON FILINGS, OR ALTERNATE APPROVED BY OWNER.

- SUBMIT DESCRIPTIONS OF PILE DRIVING (DRIVING IS OF TEMPORARY WORK AND CASING AND NOT APPLICABLE TO FRP PILE INSTALLATION BASED ON ANTICIPATED LEDGE) AND DRILLING EQUIPMENT TO BE EMPLOYED IN THE WORK. SUBMITTAL SHALL BE APPROVED BY OWNER AND ENGINEER PRIOR TO COMMENCEMENT OF THE WORK. DESCRIPTIVE INFORMATION INCLUDES MANUFACTURER'S NAME, MODEL NUMBERS, CAPACITY, RATED ENERGY, HAMMER DETAILS, CUSHION MATERIAL, HELMET, TEMPLATES, AND DRIVING SEQUENCING. FOR DRILLED SOCKET PILES SUBMIT DRILL MANUFACTURER, DRILL DIAMETER, DRILLING FLUIDS, AND METHODS TO HANDLE DRILL CUTTINGS AND ASSOCIATED DRILLING FLUIDS. SUBMIT PROPOSED METHOD FOR HANDLING PILING TO PREVENT PERMANENT DEFLECTION, DISTORTION OR DAMAGE, AND TYPE OF TRANSPORTATION VEHICLE FOR BRINGING PILES TO POINT OF INSTALLATION.

- SUBMIT MANUFACTURER'S INFORMATION AND TECHNICAL DATA FOR THE FRP PILE TO BE INSTALLED.

- FOR EACH SHIPMENT, SUBMIT CERTIFICATES PROVIDED BY THE PILE MANUFACTURER PRIOR TO INSTALLING PILING. INCLUDE IN THE IDENTIFICATION DATA PILING TYPE, SECTION DEPTH, SECTION WIDTH, SHEET THICKNESS, AND SECTION MODULUS. THE FRP SHEET PILING CERTIFICATIONS SHALL CONSIST OF THE FOLLOWING:

- CHARACTERISTIC VALUE REPORT IN ACCORDANCE WITH DT290, CONTAINING NO LESS THAN 20 SAMPLES, PULLED FROM NO LESS THAN 5 INDEPENDENT MATERIAL RUNS, OVER NO LESS THAN ONE YEAR.
- CERTIFICATION THAT THE MATERIAL WAS PRODUCED IN ACCORDANCE WITH THE MANUFACTURER'S QUALITY CONTROL PLAN IN AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.
- MATERIAL CERTIFICATION INDICATING THAT THE MATERIAL BEING RECEIVED BY THE CONTRACTOR IS IN CONFORMANCE WITH THE GEOMETRIC AND MATERIAL REQUIREMENTS OUTLINED IN THE SPECIFICATIONS.

- IF REQUESTED, CONTRACTOR SHALL SUBMIT DOCUMENTATION OF STATISTICALLY-BASED MATERIAL PROPERTIES OF THE FRP FROM THE MANUFACTURER REPRESENTING THE 80 % LOWER CONFIDENCE BOUND ON THE 5TH PERCENTILE MUST BE DEVELOPED IN ACCORDANCE WITH ASTM D1290 AND MUST CONTAIN NO LESS THAN 20 SAMPLES, PULLED FROM NO LESS THAN 5 INDEPENDENT MATERIAL RUNS, OVER NO LESS THAN ONE YEAR.

- PROVIDE MATERIAL WITH 20 YEAR MANUFACTURER'S WARRANTY. SUBMIT WARRANTY INFORMATION TO THE OWNER.

- THE CONTRACTOR, OR SUBCONTRACTOR, SHALL HAVE PRIOR EXPERIENCE WITH DRIVING OR DRILLING PILING AND SHALL PROVIDE A LIST OR PREVIOUS JOBS) THAT DEMONSTRATE A SATISFACTORY INSTALLATION METHOD. IN ADDITION, THE CONTRACTOR SHALL COORDINATE WITH THE PILE MANUFACTURER REGARDING THEIR RECOMMENDATIONS CONCERNING THE INSTALLATION AND HANDLING.

- MATERIALS DELIVERED TO THE SITE SHALL BE NEW AND UNDAMAGED AND SHALL BE ACCOMPANIED BY CERTIFIED TEST REPORTS. PROVIDE THE MANUFACTURER'S NAME AND MILL IDENTIFICATION MARK ON THE PILING.

- STORE AND HANDLE PILING IN THE MANNER RECOMMENDED BY THE MANUFACTURER TO PREVENT PERMANENT DEFLECTION, DISTORTION OR DAMAGE TO THE INTERLOCKS; AS A MINIMUM, SUPPORT ON LEVEL BLOCKS OR RACKS SPACED NOT MORE THAN 10 FEET APART AND NOT MORE THAN 2 FEET FROM THE ENDS. STORAGE OF PILING SHOULD ALSO FACILITATE REQUIRED INSPECTION ACTIVITIES AND PREVENT DAMAGE TO COATINGS AND CORROSION PRIOR TO INSTALLATION.

- ALL PILING SHALL BE MANUFACTURED ENTIRELY FROM A RIGID, HIGH IMPACT, UV-INHIBITED, WEATHERABLE FIBERGLASS REINFORCED POLYMER. ALL EXPOSED SURFACES OF THE PILING SHALL BE UV RESISTANT.

- PILING SHALL BE FULL-LENGTH SECTIONS OF THE DIMENSIONS SHOWN. SPLICING OF PILING SHALL NOT BE ALLOWED.

- PROVIDE FABRICATED SECTIONS CONFORMING TO THE REQUIREMENT AND THE PILING MANUFACTURER'S RECOMMENDATIONS FOR FABRICATED SECTIONS.

- AT A MINIMUM THE FOLLOWING PILING PROPERTIES SHALL BE MET.
 - THICKNESS 0.25 INCH, FOR 10 INCH DIAMETER
 - SECTION MODULUS OF 18.2 IN³; FOR 10 INCH DIAMETER
 - ULTIMATE BENDING MOMENT OF 36 FOOT-KIP; FOR 10 INCH DIAMETER

- THE PILING SHALL BE CHARCOAL IN COLOR. COLOR SAMPLES TO BE APPROVED BY THE OWNER.

- PROVIDE METAL PLATES, SHAPES, BOLTS, NUTS, RIVETS AND OTHER APPURTENANT FABRICATION AND INSTALLATION MATERIALS CONFORMING TO MANUFACTURER'S STANDARDS AND TO THE REQUIREMENTS SPECIFIED IN THE PROJECT NOTES AND DRAWINGS.

- PILINGS SHALL BE INSTALLED TO DEPTHS SHOWN AND SHALL EXTEND UP TO THE ELEVATION INDICATED FOR THE TOP OF PILINGS.

- 16.1. BASED ON SUBSURFACE CONDITIONS OBSERVED IN BORINGS, IT IS ANTICIPATED THAT PILES SHALL BE INSTALLED BY DRILLING INTO ROCK. PILES SHALL NOT BE DRIVEN ON ROCK.

- ANY EXCAVATION REQUIRED WITHIN THE AREA WHERE PILINGS ARE TO BE INSTALLED SHALL BE COMPLETED PRIOR TO PLACING SHEET PILING.

FOR CONTINUATION, SEE DRAWING 3



611 Access Road Stratford, CT 06615
Tel: 203-377-0663 www.racecoastal.com

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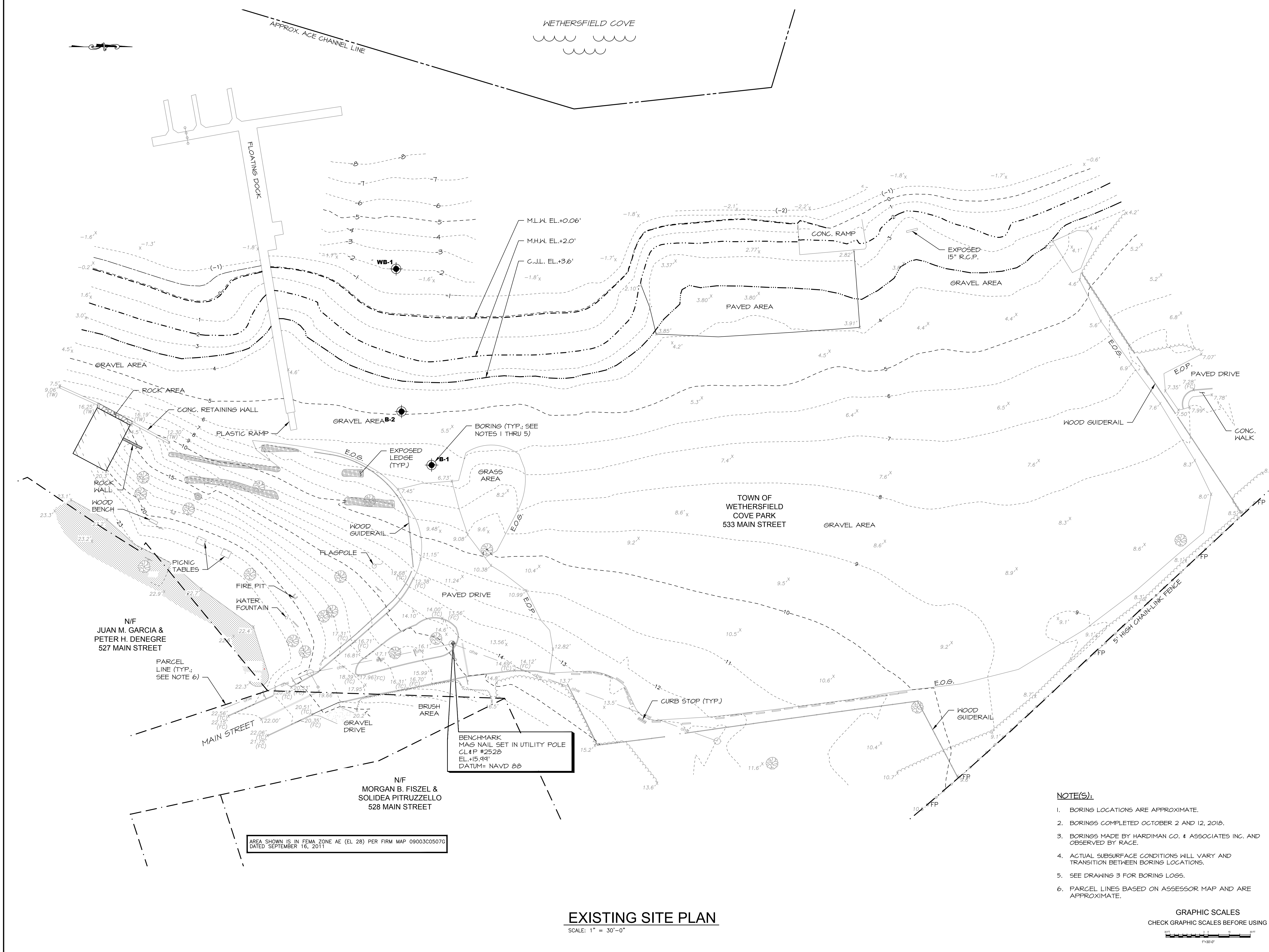
PROJECT:

COVE PARK BOAT RAMP
COVE PARK
WETHERSFIELD, CT 06109

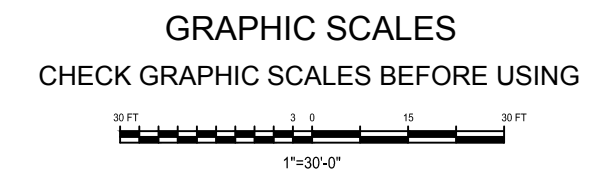
DRAWING:

EXISTING SITE PLAN

Designed By:	ARJ	Date:	1/21/2019
Drawn By:	CLW	Scale:	1"=30'-0"
Checked By:	CGE	Project Number:	2018105
CAD File:	2018105 COVE PARK BOAT RAMP_IJFB.DWG	Draw No.:	4 of 9



- NOTE(S):**
- BORING LOCATIONS ARE APPROXIMATE.
 - BORINGS COMPLETED OCTOBER 2 AND 12, 2018.
 - BORINGS MADE BY HARDIMAN CO. & ASSOCIATES INC. AND OBSERVED BY RACE.
 - ACTUAL SUBSURFACE CONDITIONS WILL VARY AND TRANSITION BETWEEN BORING LOCATIONS.
 - SEE DRAWING 3 FOR BORING LOGS.
 - PARCEL LINES BASED ON ASSESSOR MAP AND ARE APPROXIMATE.



EXISTING SITE PLAN
SCALE: 1" = 30'-0"

AREA SHOWN IS IN FEMA ZONE AE (EL 28) PER FIRM MAP 09003C05076 DATED SEPTEMBER 16, 2011

BENCHMARK
MAG NAIL SET IN UTILITY POLE
CL#P #2528
EL.+15.91'
DATUM= NAVD 88


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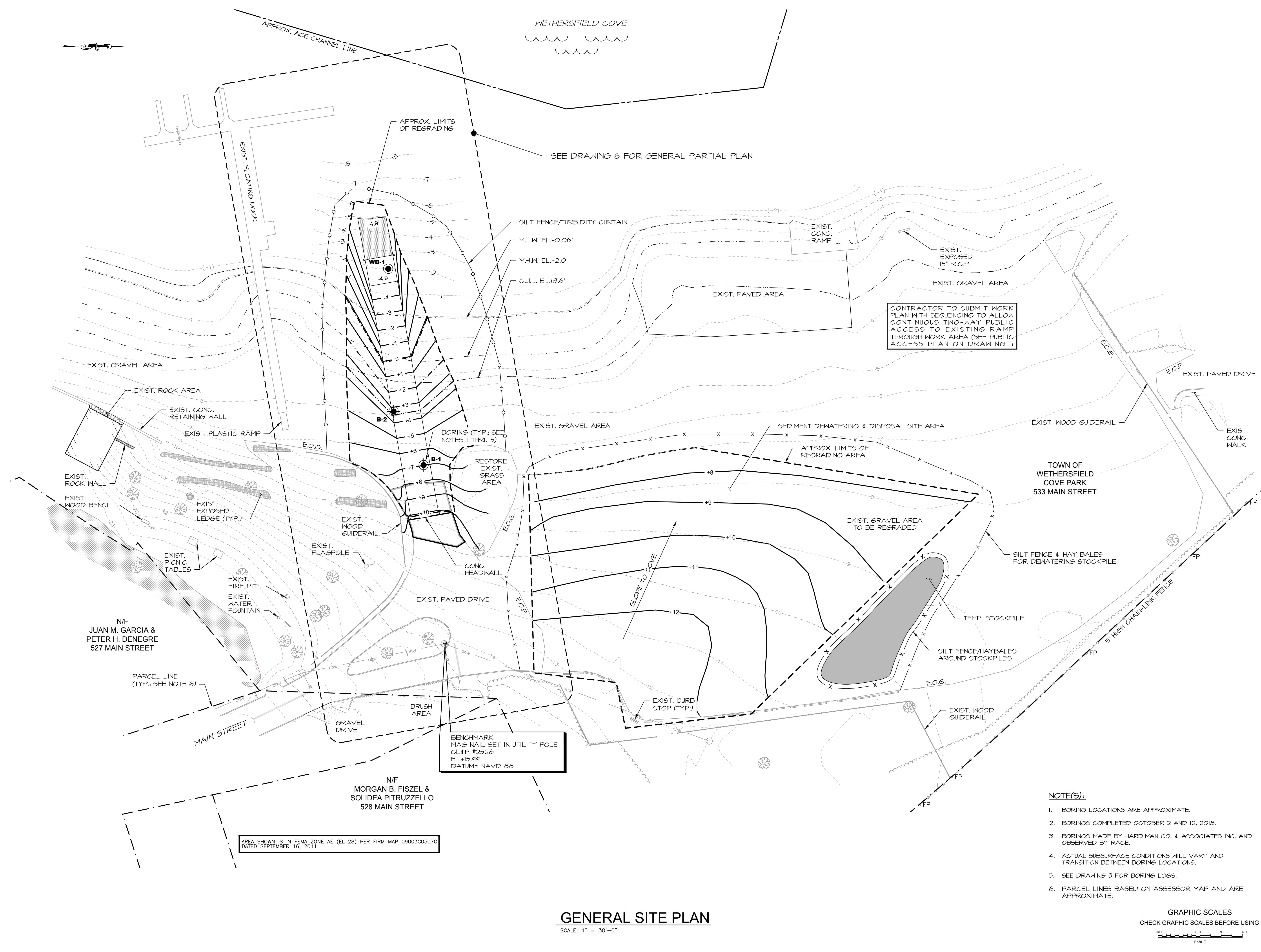
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PROJECT:
**COVE PARK BOAT RAMP
COVE PARK
WETHERSFIELD, CT 06109**

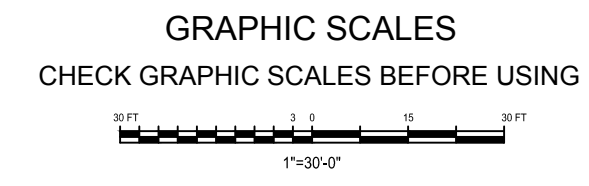
DRAWING:
**GENERAL SITE PLAN
& S&E CONTROLS**

Designed By:	ARJ	Date:	1/21/2019
Drawn By:	CLW	Scale:	1"=30'-0"
Checked By:	CGE	Project Number:	2018105
CAD File:	2018105 COVE PARK BOAT RAMP_11B.DWG	Drawing No.:	5 of 9



GENERAL SITE PLAN
SCALE: 1" = 30'-0"

- NOTE(S):**
- BORING LOCATIONS ARE APPROXIMATE.
 - BORINGS COMPLETED OCTOBER 2 AND 12, 2018.
 - BORINGS MADE BY HARDIMAN CO. & ASSOCIATES INC. AND OBSERVED BY RACE.
 - ACTUAL SUBSURFACE CONDITIONS WILL VARY AND TRANSITION BETWEEN BORING LOCATIONS.
 - SEE DRAWING 3 FOR BORING LOGS.
 - PARCEL LINES BASED ON ASSESSOR MAP AND ARE APPROXIMATE.



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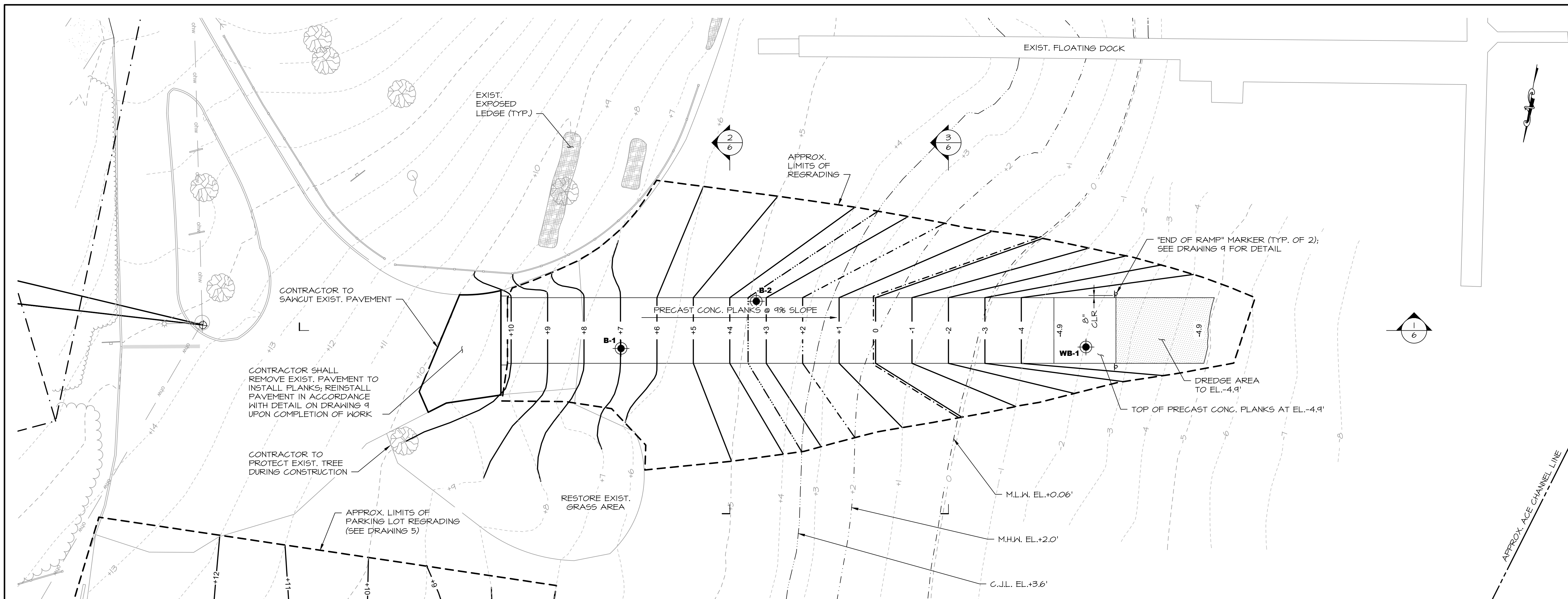
PROJECT:

COVE PARK BOAT RAMP
COVE PARK
WETHERSFIELD, CT 06109

DRAWING:

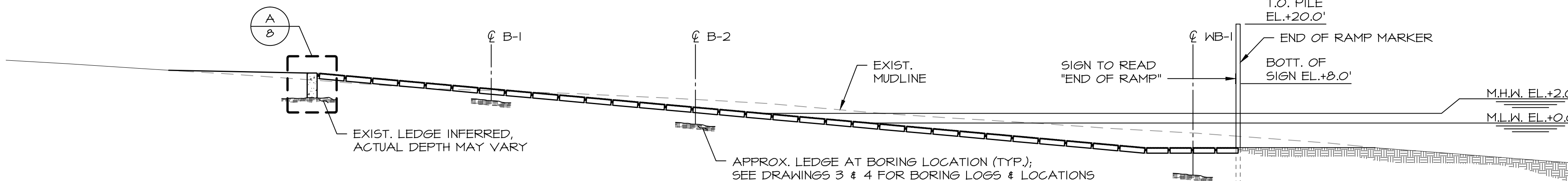
GENERAL PARTIAL
PLAN & SECTIONS

Designed By:	ARJ	Date:	1/21/2019
Drawn By:	CLW	Scale:	As Noted
Checked By:	CGE	Project Number:	2018105
CAD File:	2018105 COVE PARK BOAT RAMP_I.FB.DWG	Drawn No.:	6 of 9



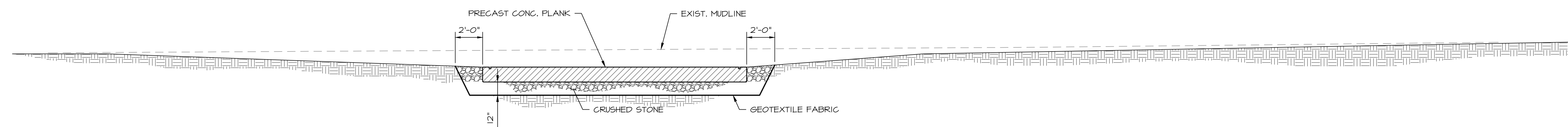
GENERAL PARTIAL PLAN

SCALE: 1/16" = 1'-0"



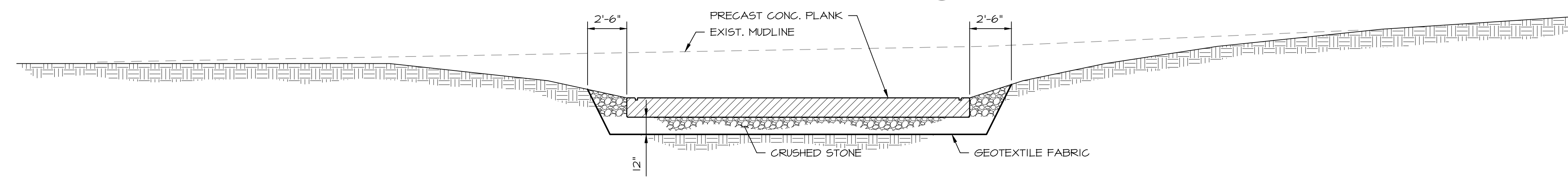
SECTION 1

SCALE: 1/16" = 1'-0"



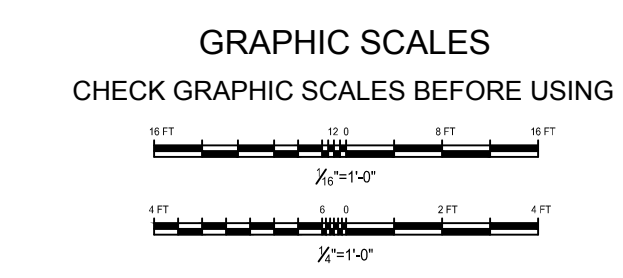
SECTION 2

SCALE: 1/4" = 1'-0"



SECTION 3

SCALE: 1/4" = 1'-0"



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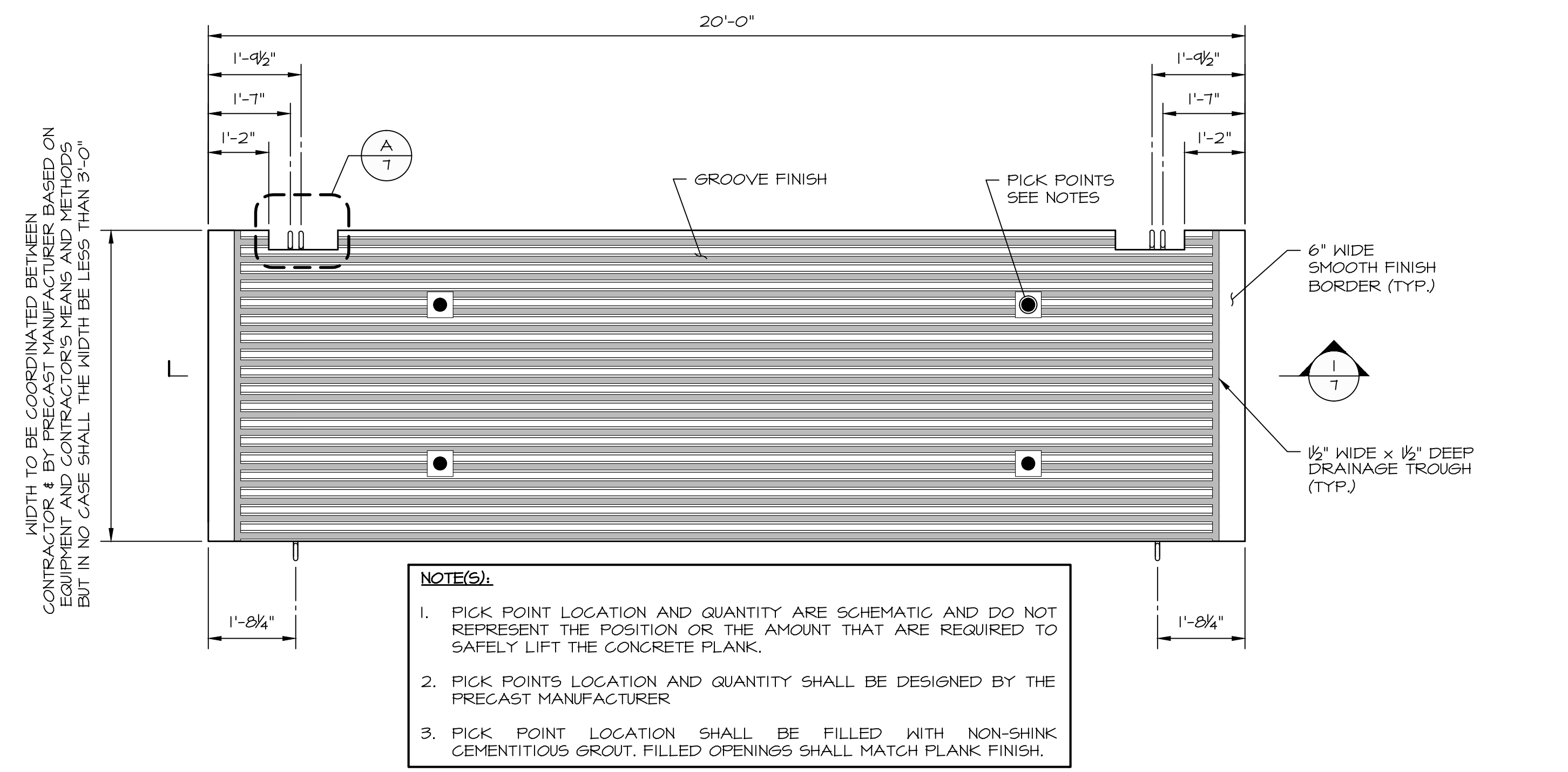
PROJECT:

COVE PARK BOAT RAMP
COVE PARK
WETHERSFIELD, CT 06109

DRAWING:

SECTIONS & DETAILS
(1 of 2)

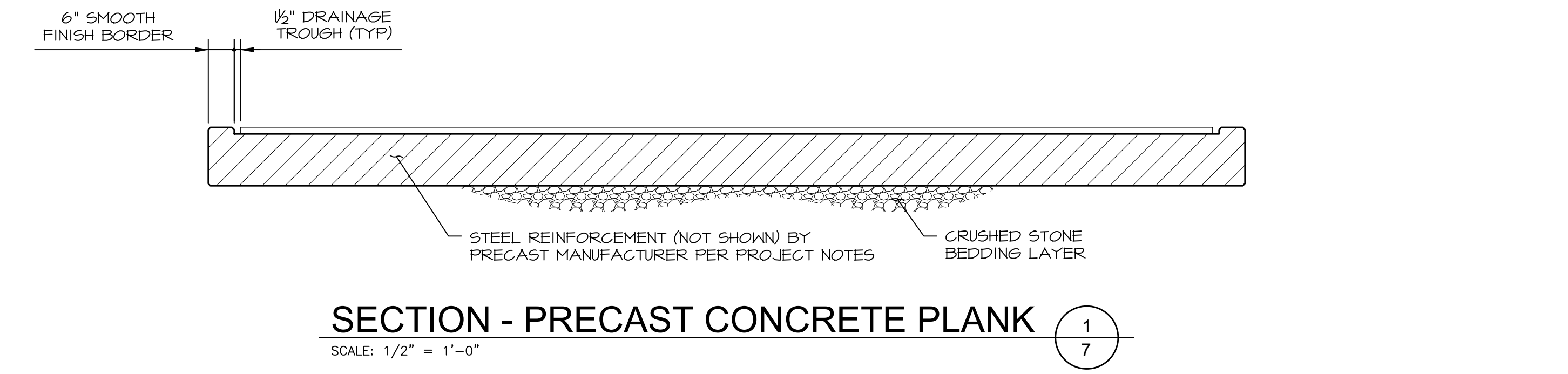
Designed By:	ARJ	Date:	1/21/2019
Drawn By:	CLW	Scale:	As Noted
Checked By:	CGE	Project Number:	2018105
CAD File:	2018105 COVE PARK BOAT RAMP_I.FB.DWG	Drawn No.:	7 of 9



- NOTE(S):**
- PICK POINT LOCATION AND QUANTITY ARE SCHEMATIC AND DO NOT REPRESENT THE POSITION OR THE AMOUNT THAT ARE REQUIRED TO SAFELY LIFT THE CONCRETE PLANK.
 - PICK POINTS LOCATION AND QUANTITY SHALL BE DESIGNED BY THE PRECAST MANUFACTURER
 - PICK POINT LOCATION SHALL BE FILLED WITH NON-SHINK CEMENTITIOUS GROUT. FILLED OPENINGS SHALL MATCH PLANK FINISH.

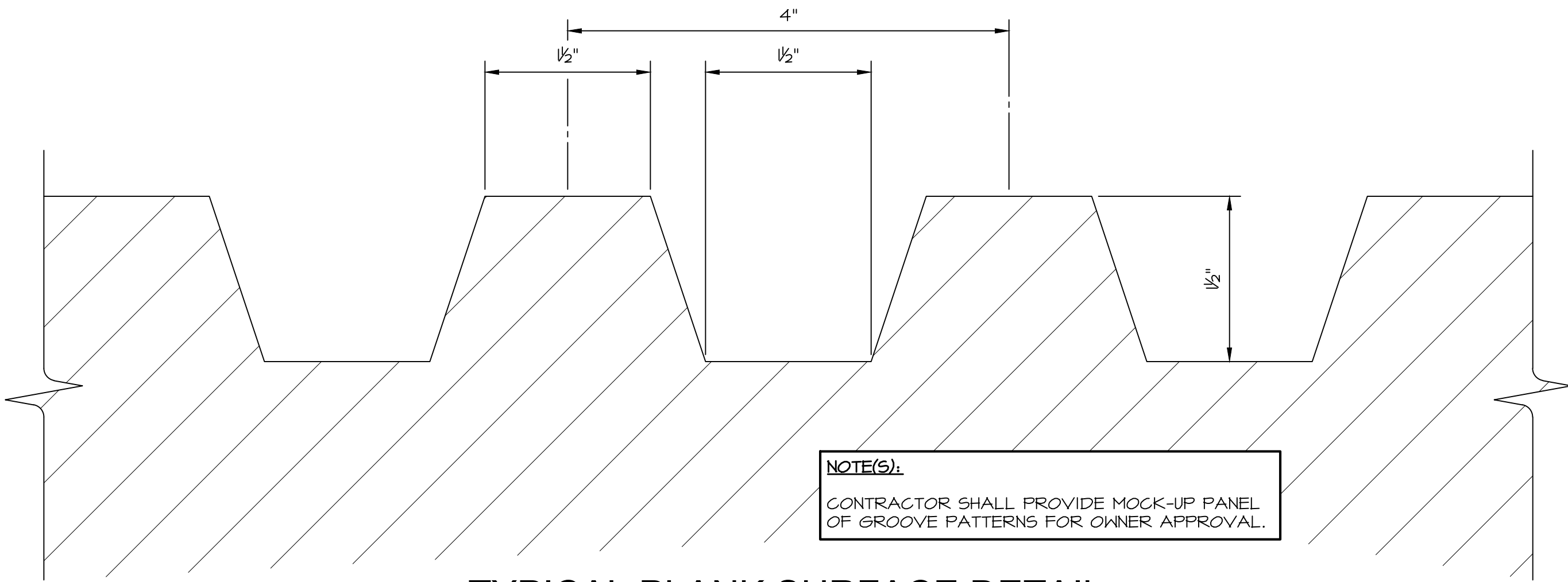
PLAN - PRECAST CONCRETE PLANK

SCALE: 1/2" = 1'-0"



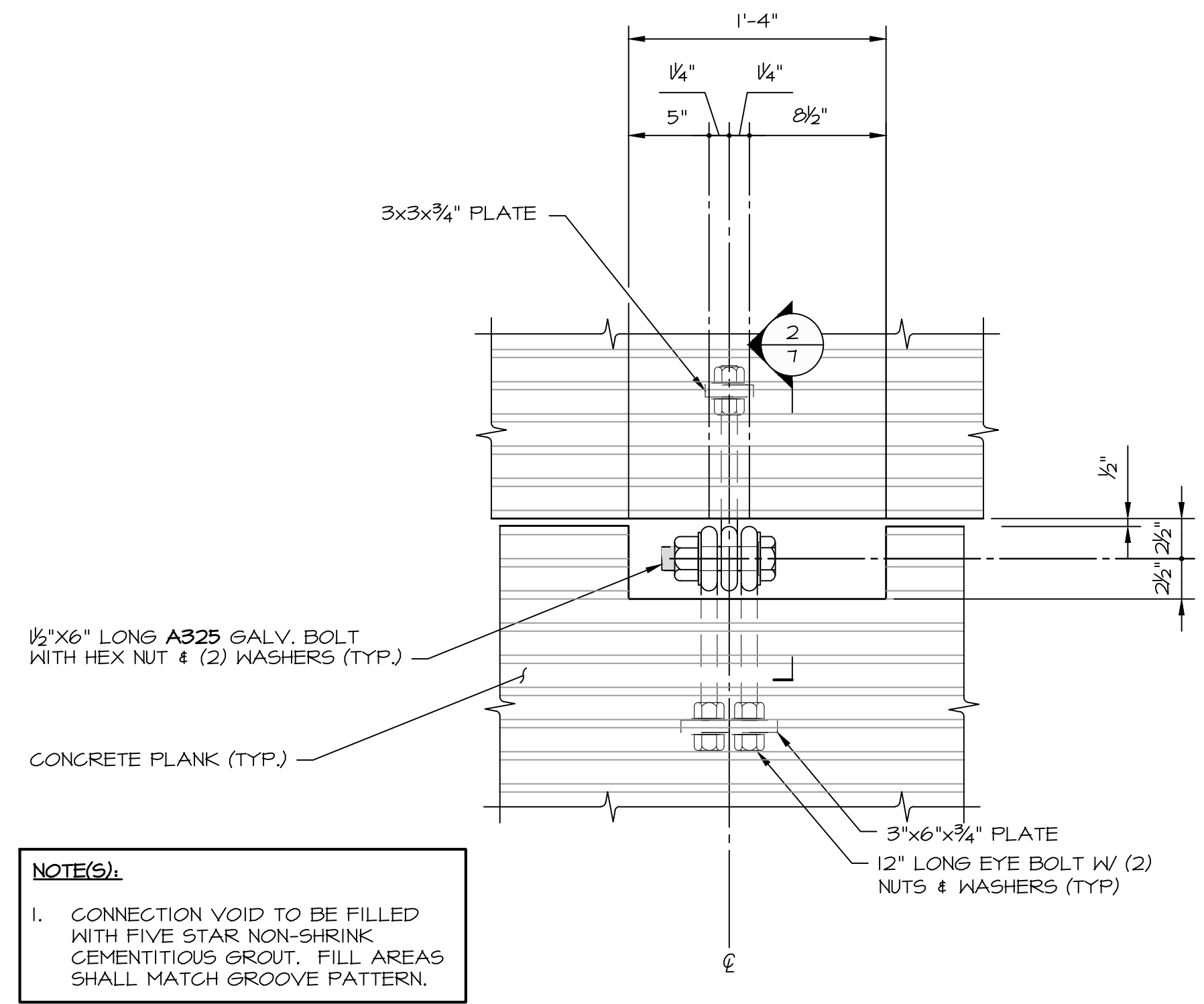
SECTION - PRECAST CONCRETE PLANK

SCALE: 1/2" = 1'-0"



TYPICAL PLANK SURFACE DETAIL

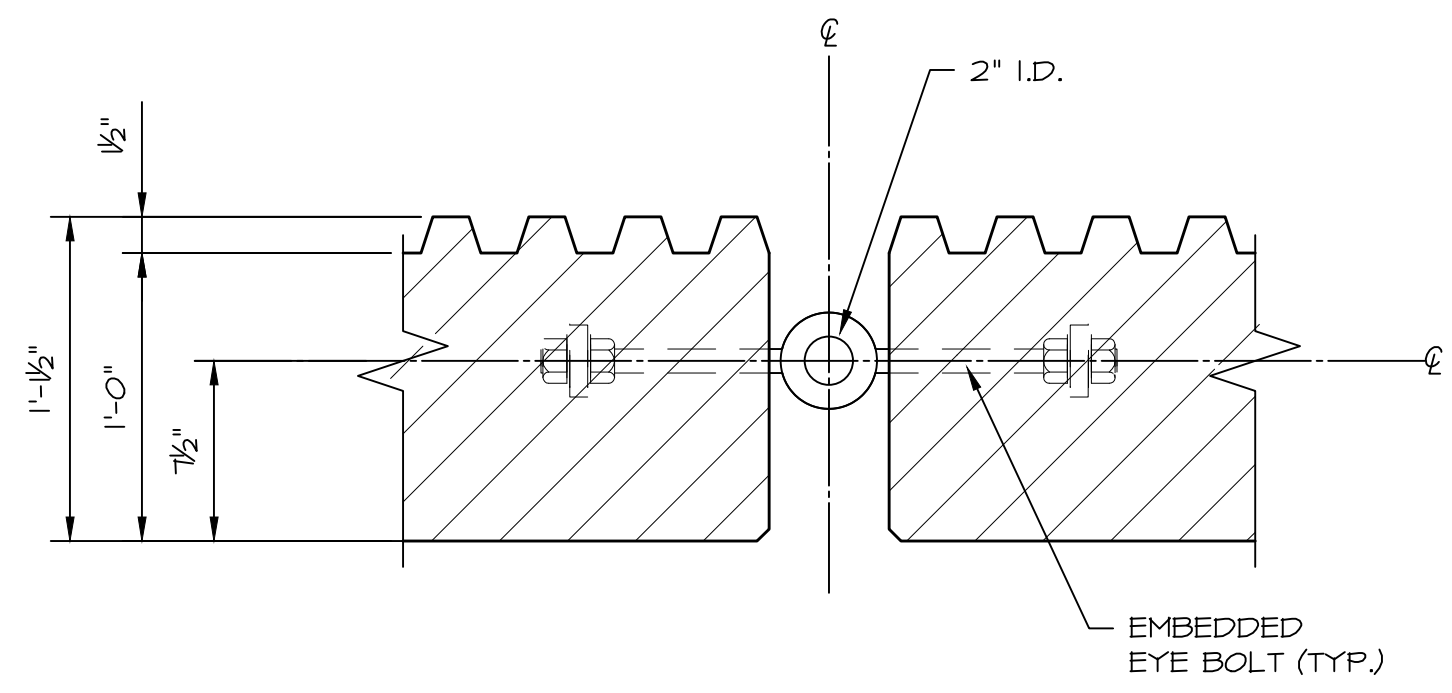
SCALE: 1" = 1"



- NOTE(S):**
- CONNECTION VOID TO BE FILLED WITH FIVE STAR NON-SHINK CEMENTITIOUS GROUT. FILL AREAS SHALL MATCH GROOVE PATTERN.

PLANK CONNECTION DETAIL

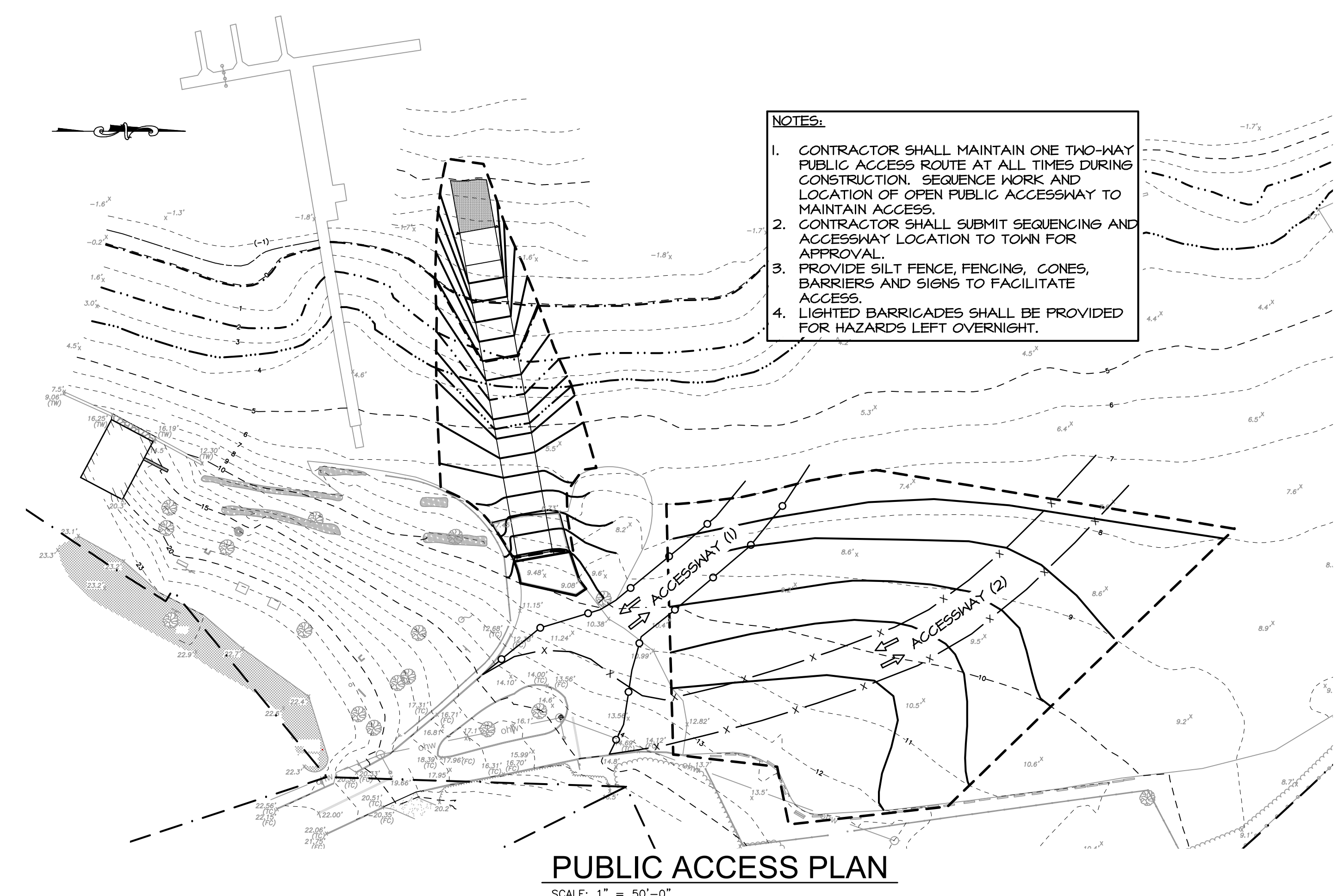
SCALE: 1 1/2" = 1'-0"



- NOTE(S):**
- CONTRACTOR TO VERIFY EYE BOLT CONNECTION GEOMETRY WITH SHOP DRAWINGS BASED ON ACTUAL PRECAST PLANK DIMENSIONS AND VERIFY CLEARANCE AT CHANGE OF SLOPE AREAS.

PLANK CONNECTION SECTION

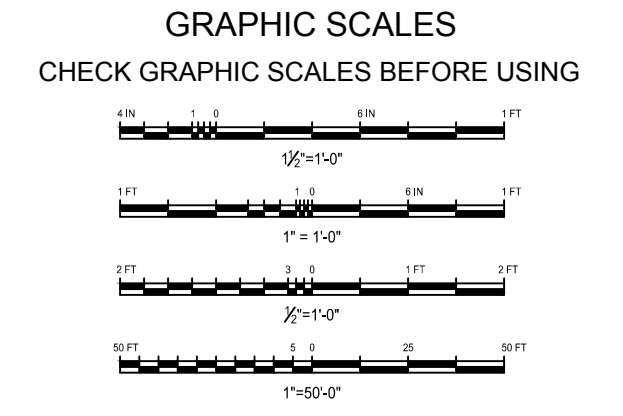
SCALE: 1 1/2" = 1'-0"



- NOTES:**
- CONTRACTOR SHALL MAINTAIN ONE TWO-WAY PUBLIC ACCESS ROUTE AT ALL TIMES DURING CONSTRUCTION. SEQUENCE WORK AND LOCATION OF OPEN PUBLIC ACCESSWAY TO MAINTAIN ACCESS.
 - CONTRACTOR SHALL SUBMIT SEQUENCING AND ACCESSWAY LOCATION TO TOWN FOR APPROVAL.
 - PROVIDE SILT FENCE, FENCING, CONES, BARRIERS AND SIGNS TO FACILITATE ACCESS.
 - LIGHTED BARRICADES SHALL BE PROVIDED FOR HAZARDS LEFT OVERNIGHT.

PUBLIC ACCESS PLAN

SCALE: 1" = 50'-0"



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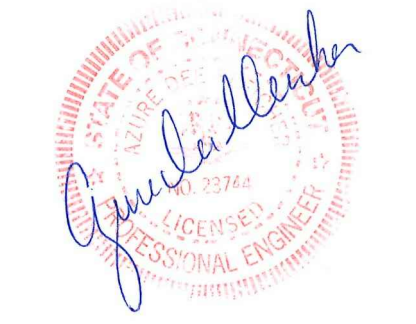
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WETHERSFIELD, CT 06109

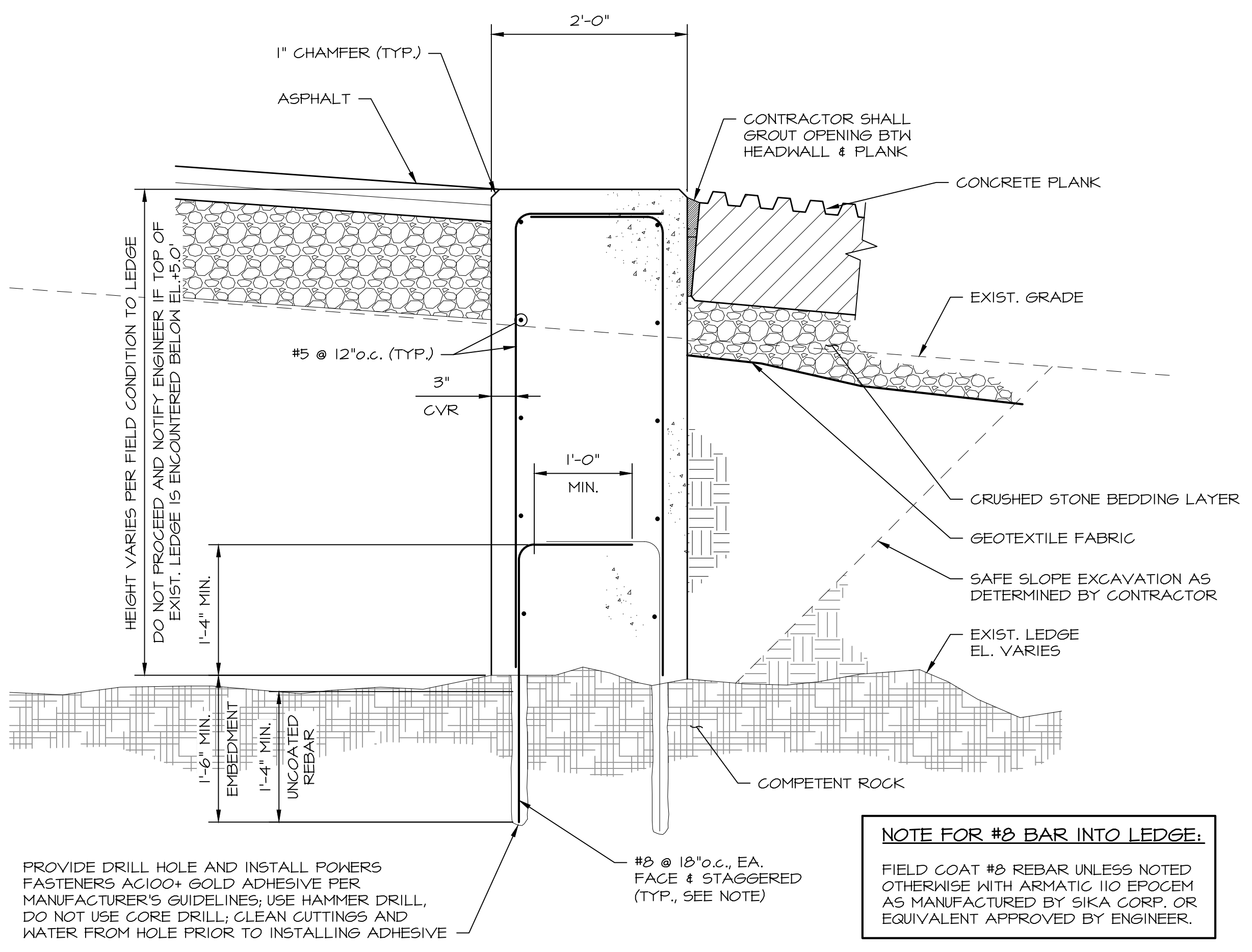
PROJECT:

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COVE PARK
WETHERSFIELD, CT 06109

DRAWING:

SECTIONS & DETAILS
(2 of 2)

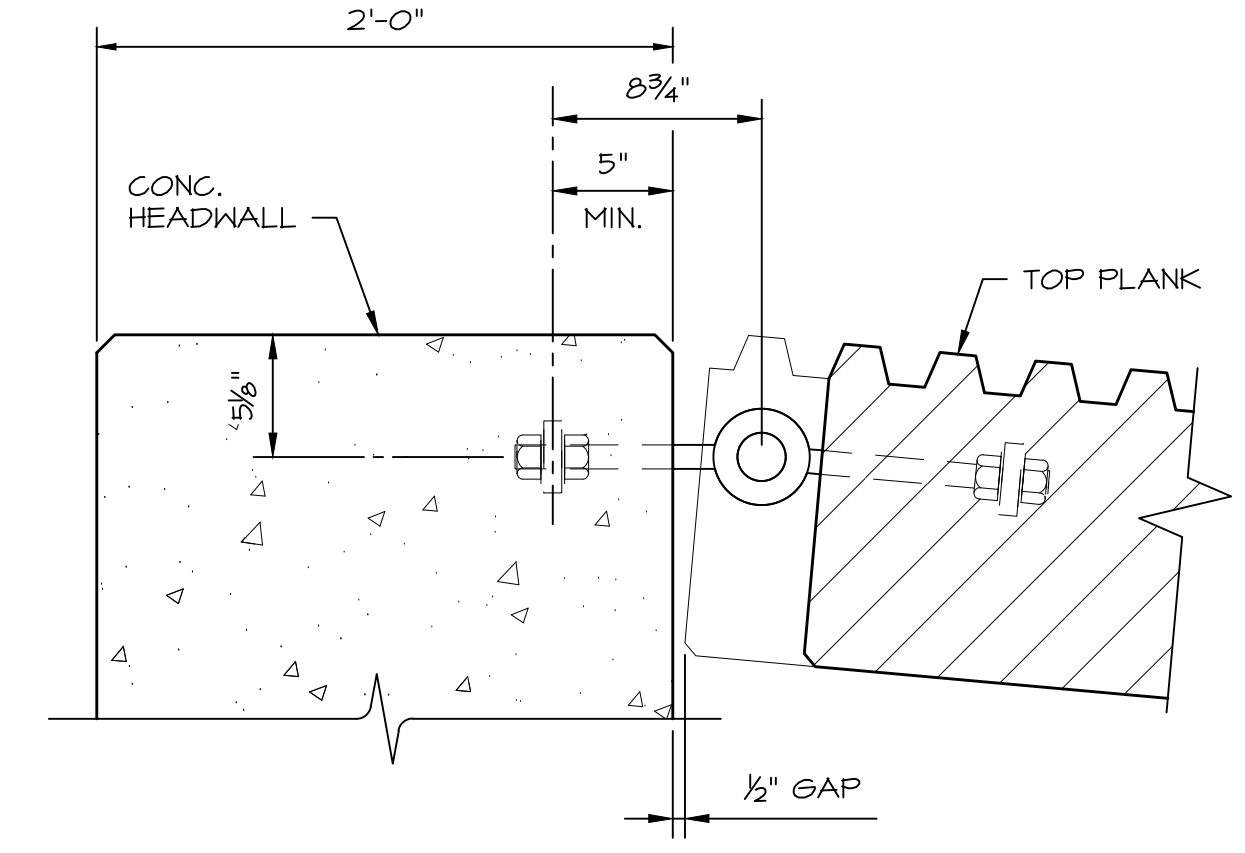
Designed By:	ARJ	Date:	1/21/2019
Drawn By:	CLW	Scale:	As Noted
Checked By:	CGE	Project Number:	2018105
CAD File:	2018105 COVE PARK BOAT RAMP_IFB.DWG	Drawing No.:	8 of 9



NOTE FOR #8 BAR INTO LEDGE:
FIELD COAT #8 REBAR UNLESS NOTED OTHERWISE WITH ARMATIC 110 EPOXY AS MANUFACTURED BY SIKA CORP. OR EQUIVALENT APPROVED BY ENGINEER.

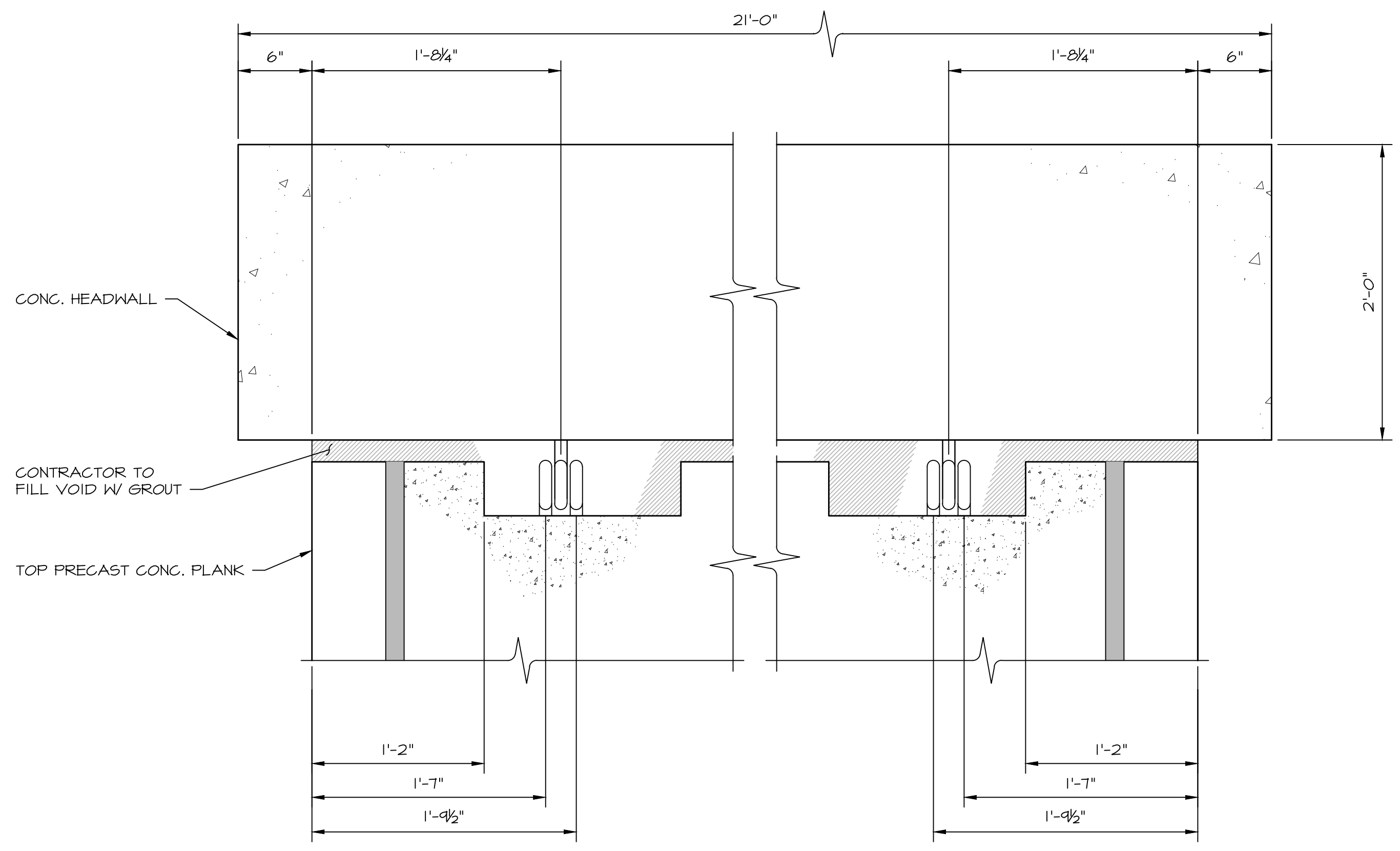
PROVIDE DRILL HOLE AND INSTALL POWERS FASTENERS AC108+ GOLD ADHESIVE PER MANUFACTURER'S GUIDELINES; USE HAMMER DRILL, DO NOT USE CORE DRILL; CLEAN CUTTINGS AND WATER FROM HOLE PRIOR TO INSTALLING ADHESIVE

HEADWALL DETAIL
SCALE: 1" = 1'-0"
A
6

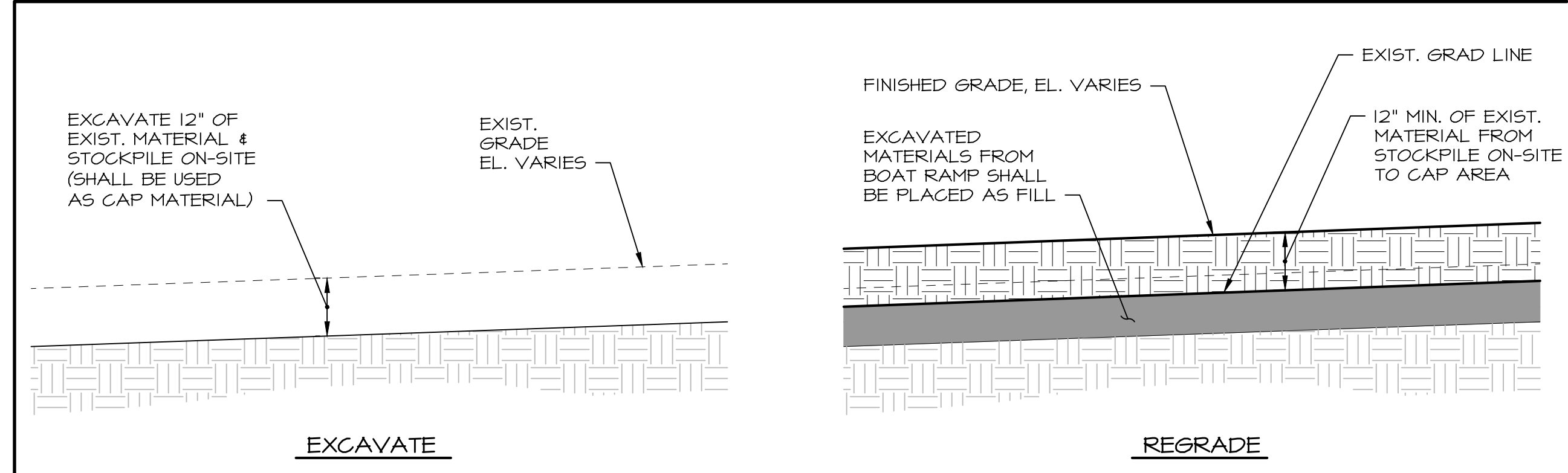


NOTE(S):
CONTRACTOR TO VERIFY EYE BOLT CONNECTION GEOMETRY WITH SHOP DRAWINGS BASED ON ACTUAL PRECAST PLANK DIMENSIONS AND VERIFY CLEARANCE AT CHANGE OF SLOPE AREAS.

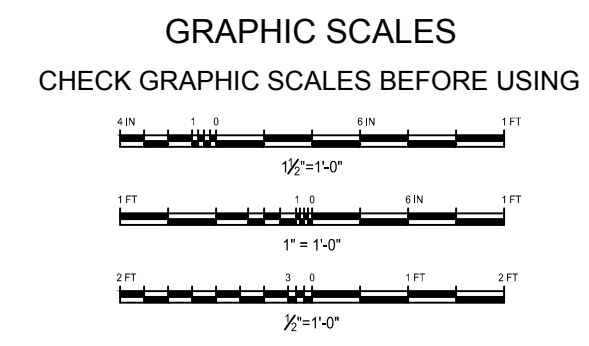
HEADWALL TO TOP PLANK CONNECTION
SCALE: 1 1/2" = 1'-0"



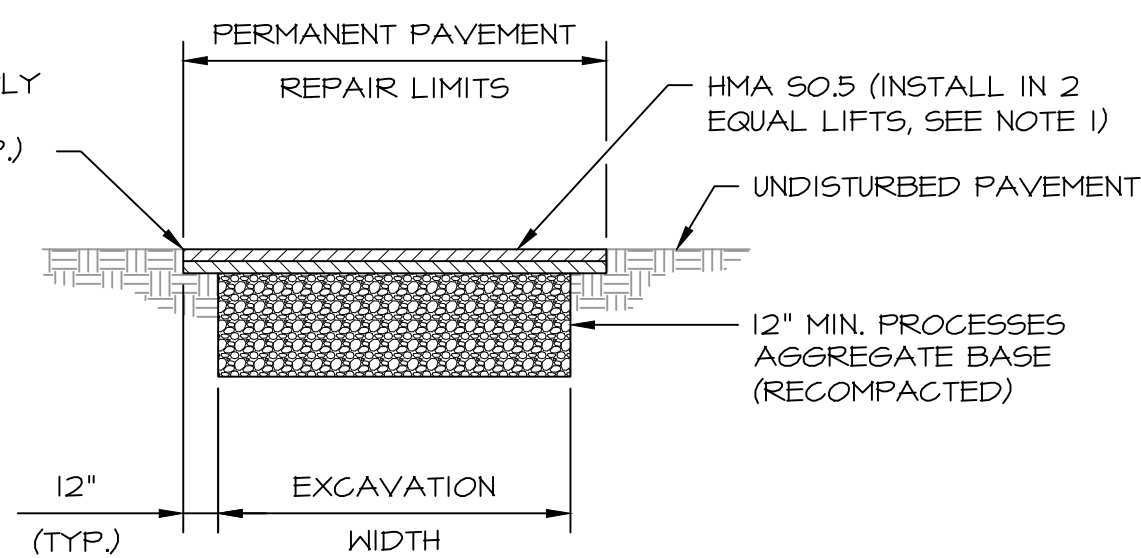
HEADWALL TO TOP PLANK CONNECTION DETAIL
SCALE: 1 1/2" = 1'-0"



PARKING LOT REGRADING
SCALE: 1/2" = 1'-0"



SAVGUT PAVEMENT & APPLY ASPHALT EMULSION TACK COAT TO ALL EDGES (TYP.)

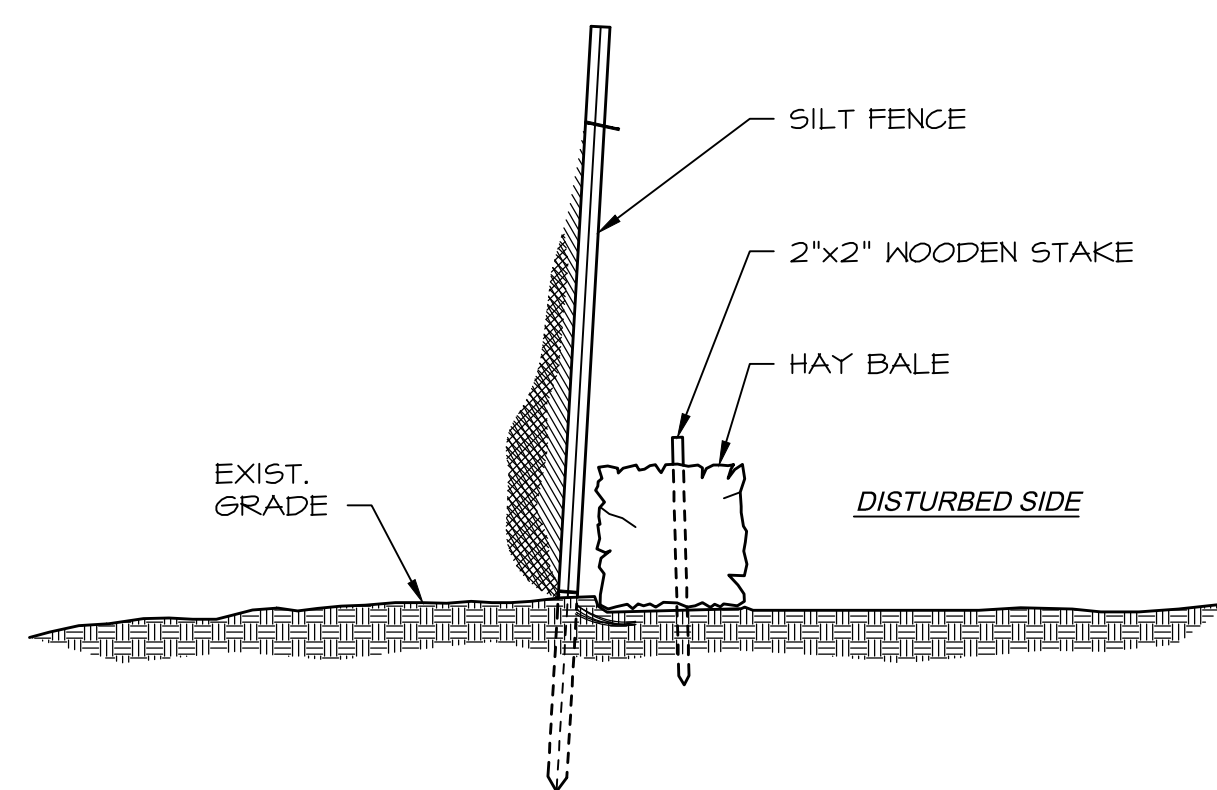


NOTE(S):

1. NEW PAVEMENT SHALL MATCH EXISTING PAVEMENT THICKNESS OR BE INSTALLED WITH A 4" MINIMUM THICKNESS, WHICHEVER IS THICKER.
2. TEMPORARY PAVEMENT REPAIRS SHALL REMAIN IN PLACE FOR A MINIMUM OF NINETY (90) DAYS BEFORE PAVEMENT REPAIRS ARE COMPLETED.
3. ALL JOINTS BETWEEN NEW AND EXISTING PAVEMENT SHALL BE SEALED WITH A LIQUID BITUMINOUS CONCRETE SEALER.
4. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO CTDOT FORM & IT STANDARDS.

PERMANENT PAVEMENT REPAIR

NOT TO SCALE

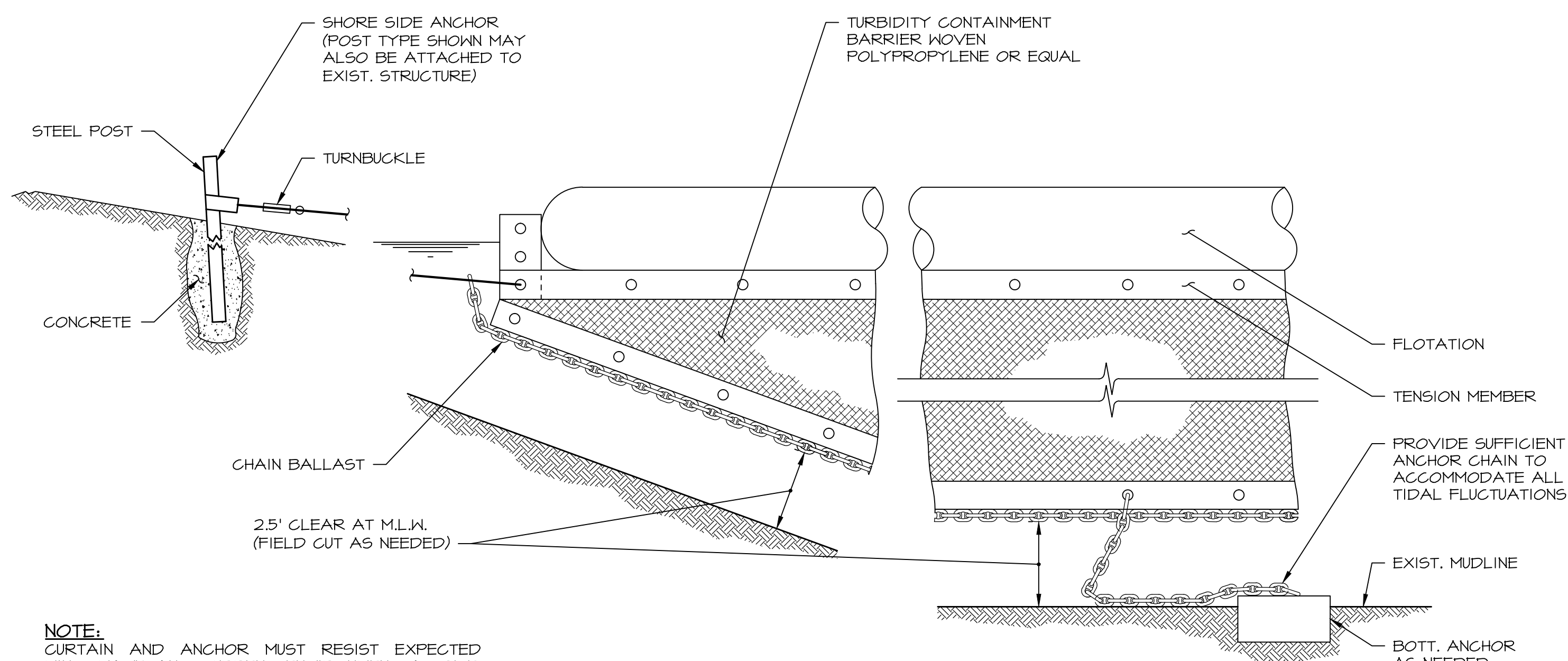


NOTES:

1. INSTALL SILT FENCE WITH HAY BALES ALONG ENTIRE LENGTH OF DISTURBED AREA.
2. MULCH AND SEED DISTURBED AREA.

SILT FENCE DETAIL

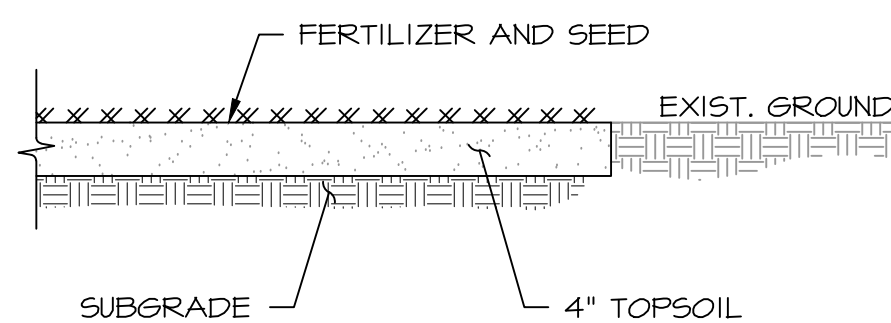
NOT TO SCALE



NOTE:
CURTAIN AND ANCHOR MUST RESIST EXPECTED WIND, WAVE AND CURRENT ENVIRONMENT AT SITE. CONTRACTOR TO SUBMIT WEIGHTED TURBIDITY CURTAIN SPECIFICATIONS FOR REVIEW.

WEIGHTED TURBIDITY CURTAIN DETAIL

NOT TO SCALE



NOTE(S):

1. PERMANENT GRASS SEED MIX SHALL BE APPLIED FROM APRIL 1 THROUGH JUNE 15 OR AUGUST 15 THROUGH OCTOBER 1 AND SHALL MEET CTDOT FORM & IT AS FOLLOWS.

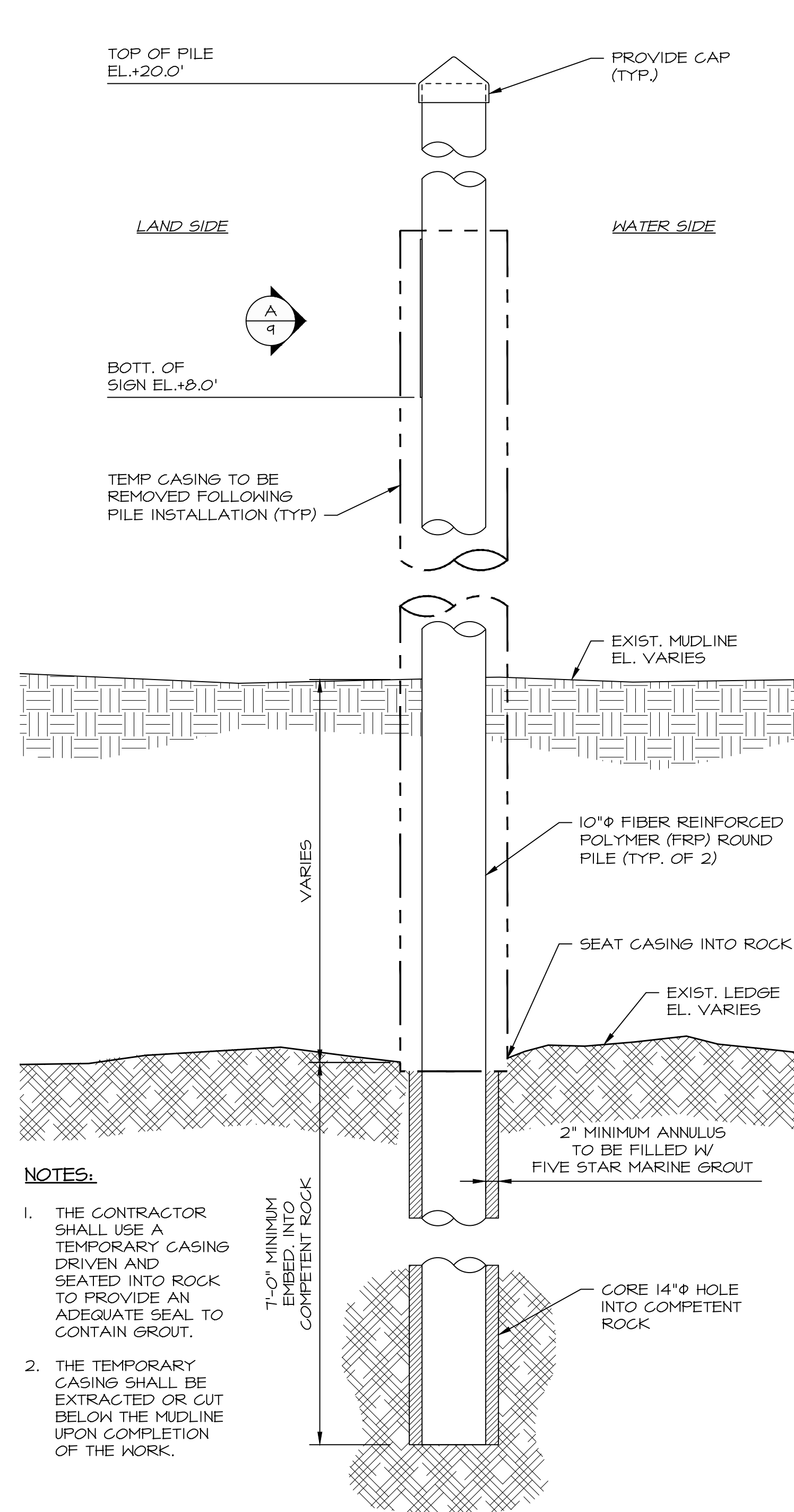
SPECIES*	PROPORTION BY WEIGHT (MASS) (POUNDS)	MINIMUM PURITY (PERCENT)	MINIMUM GERMINATION (PERCENT)
VELVET BENTGRASS, (AGROSTIS CANINA) CERTIFIED VARIETY OR EQUAL CERTIFIED VARIETY	25	96	85
RED FESCUE (FESTUCA RUBRA L. SSP. RUBRA) CERTIFIED VARIETY OR EQUAL CERTIFIED VARIETY	35	97	80
PARTRIDGE PEA (CHAMAECRISTA FASCICULATA) CERTIFIED VARIETY	10	95	90
INDIAN GRASS (SORGHASTRUM NUTANS) CERTIFIED VARIETY	15	95	90
CANADA WILD RYE (ELYMUS CANADENSIS) CERTIFIED VARIETY	5	95	90
KENTUCKY BLUE GRASS (POA PRATENSIS) CERTIFIED VARIETY	10	95	90

* UNDER NO CIRCUMSTANCES SHALL RYEGRASS, ITALIAN RYE OR ANY OTHER SEED BE ADDED TO THE SEED MIXTURE UNLESS APPROVED BY THE TOWN.

2. PERENNIAL RYEGRASS (LOLIUM PERENNE) SHALL BE APPLIED AS TEMPORARY GRASS SEED FROM MARCH 15 THROUGH JULY 1 OR AUGUST 1 THROUGH OCTOBER 15.

LAWN RESTORATION

NOT TO SCALE

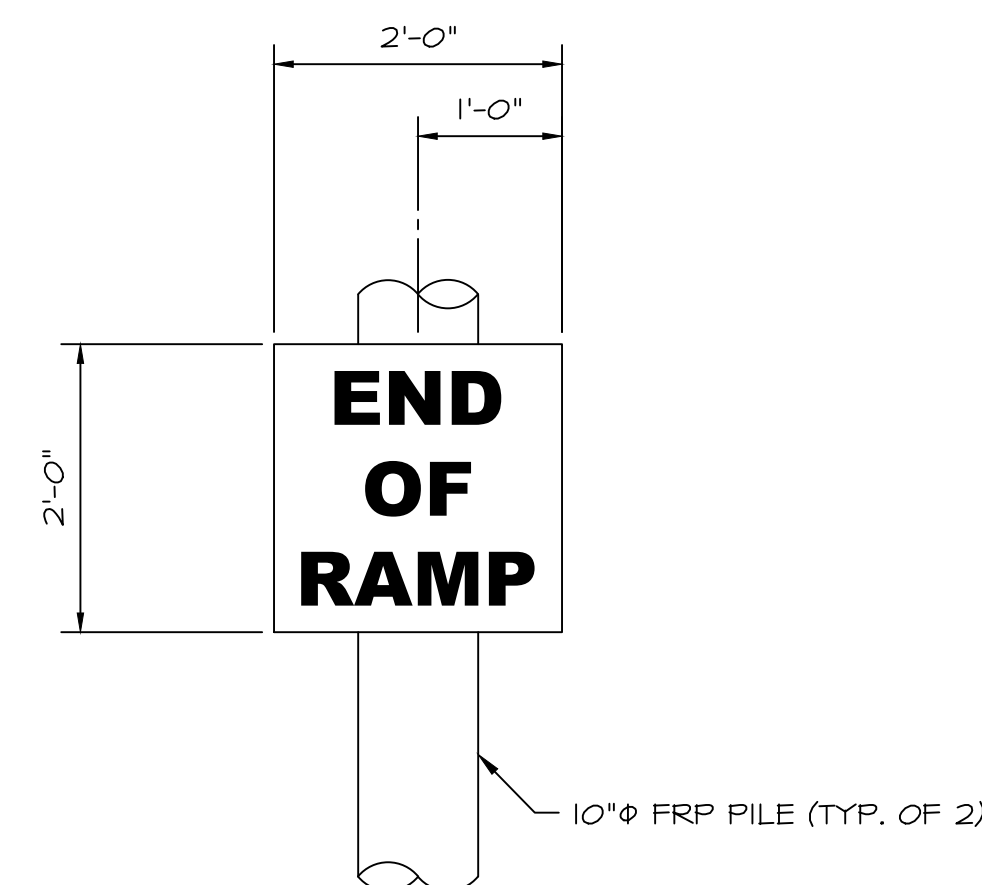


NOTES:

1. THE CONTRACTOR SHALL USE A TEMPORARY CASING DRIVEN AND SEATED INTO ROCK TO PROVIDE AN ADEQUATE SEAL TO CONTAIN GROUT.
2. THE TEMPORARY CASING SHALL BE EXTRACTED OR CUT BELOW THE MUDLINE UPON COMPLETION OF THE WORK.

DRILLED MARKER PILE DETAIL

SCALE: 3/4" = 1'-0"



ELEVATION VIEW

SCALE: 3/4" = 1'-0"

GRAPHIC SCALES
CHECK GRAPHIC SCALES BEFORE USING

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REVISIONS:

NO.	DESCRIPTION	BY	DATE

NOT VALID WITHOUT ENGINEER'S SEAL:



ISSUED FOR BID
NOT FOR CONSTRUCTION

PREPARED FOR:

TOWN OF WETHERSFIELD
DEPT. OF PARKS & REC.
505 SILAS DEANE HIGHWAY
WETHERSFIELD, CT 06109

PROJECT:

COVE PARK BOAT RAMP
COVE PARK
WETHERSFIELD, CT 06109

DRAWING:

MISCELLANEOUS DETAILS

Designed By: ARJ Date: 1/21/2019

Drawn By: CLW Scale: As Noted

Checked By: CGE Project Number: 2018105

CAD File: 2018105 COVE PARK BOAT RAMP_IJFDWG Drawing No.: 9 of 9