



## Connecticut Department of Energy and Environmental Protection License\*

### Structures, Dredging & Fill Permit Section 401 Water Quality Certification

**Licensee(s):** Buckeye PT Terminals, LP

**Licensee Address(s):** 6161 Hamilton Blvd  
Allentown, PA 18106

**License Number(s):** 202306028-SDFWQ

**Municipality:** Hamden

**Project Description:** Install rip-rap for flood & erosion control

**Project Address/Location:** 265 Welton St

**Waters:** Quinnipiac River

**Authorizing CT Statute(s) and/or Federal Law:** CGS Section 22a-359 to 363g; CGS Section 22a-90 to 112;  
Section 401 CWA (33 USC 1341)

**Applicable Regulations of CT State Agencies:** 22a-426-1 to 9

**Agency Contact:** Land & Water Resources Division,  
Bureau of Water Protection & Land Reuse, 860-424-3019

**License Expiration:** Five (5) years from the date of issuance of this license.

**Project Site Plan Set:** 10 Sheets of plans dated 8/8/2023 with sheets CO1, RR1-RR5, ESCP1, and RJSP1 revised 6/7/2024, and sheets NO1, NO2 revised 12/8/23.

**License Enclosures:** LWRD General Conditions; Site Plan Set; Land Record Filing; LWRD Work Commencement Form; LWRD Compliance Certification Form; Turtle protection plan

\*Connecticut's Uniform Administrative Procedure Act defines License to include, "the whole or part of any agency permit, certificate, approval, registration, charter or similar form of permission required by law . . ."

**Authorized Activities:**

The Licensee is hereby authorized to conduct the following work as described in application # 202306028-SDFWQ and as depicted on any site plan sheets / sets cited herein:

1. maintain a containment berm by installing a turbidity curtain and placing approximately 200 C.Y. of stone rip-rap along a 3000 sq ft section; and,
2. retain the following structures:
  - a. 40 linear feet of stone placed under EA#202300516;
  - b. approximately 2000 linear feet of berm including an approximately 100' x 30' gravel boat ramp; and,
  - c. an approximately 50' long x 8" wide pipe on the southern end of the property.

*Failure to comply with the terms and conditions of this license shall subject the Licensee and / or the Licensee's contractor(s) to enforcement actions and penalties as provided by law.*

**This license is subject to the following Terms and Conditions:**

1. **License Enclosure(s) and Conditions.** The Licensee shall comply with all applicable terms and conditions as may be stipulated within the License Enclosure(s) listed above.
2. **Time-of-Year Restrictions.** Fill authorized herein is prohibited between November 1<sup>st</sup> and March 31<sup>st</sup> in order to protect overwintering Diamondback Terrapin; and between May 1<sup>st</sup> and July 31<sup>st</sup> in order to protect nesting osprey. These dates are inclusive of any year, unless otherwise authorized in writing by the Commissioner.
3. **Turbidity Curtain.** Prior to the commencement of work authorized herein, the Licensee shall install turbidity curtains extending from the water surface to the substrate around the work area. Such erosion and sediment control structures shall be maintained in optimal operating condition until project completion at which time the erosion and sediment controls shall be removed to an upland location.
4. **NDDB Species Protection.** The Licensee shall conduct work in accordance with mitigation measures identified in the August 9, 2024 Northern Diamondback Terrapin Protection Measures, attached hereto.

Issued under the authority of the Commissioner of Energy and Environmental Protection on:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Emma Cimino  
Deputy Commissioner  
Environmental Quality Branch

## **LWRD General Conditions**

- 1. Land Record Filing (for Structures Dredging & Fill, Tidal Wetlands, Certificate of Permission, and Long Island Sound General Permit Licenses only).** The Licensee shall file the Land Record Filing on the land records of the municipality in which the subject property is located not later than thirty (30) days after license issuance pursuant to Connecticut General Statutes (CGS) Section 22a-363g. A copy of the Notice with a stamp or other such proof of filing with the municipality shall be submitted to [DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov) no later than sixty (60) days after license issuance. If a Land Record Filing form is not enclosed and the work site is not associated with an upland property, no filing is required.
- 2. Contractor Notification.** The Licensee shall give a copy of the license and its attachments to the contractor(s) who will be carrying out the authorized activities prior to the start of construction and shall receive a written receipt for such copy, signed and dated by such contractor(s). The Licensee's contractor(s) shall conduct all operations at the site in full compliance with the license and, to the extent provided by law, may be held liable for any violation of the terms and conditions of the license. At the work site, the contractor(s) shall, whenever work is being performed, have on site and make available for inspection a copy of the license and the authorized plans.
- 3. Work Commencement<sup>1</sup>.** Not later than two (2) weeks prior to the commencement of any work authorized herein, the Licensee shall submit to [DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov), on the Work Commencement Form attached hereto, the name(s) and address(es) of all contractor(s) employed to conduct such work and the expected date for commencement and completion of such work, if any.
  - For water diversion activities authorized pursuant to 22a-377(c)-1 of the Regulations of Connecticut State Agencies, the Licensee shall also notify the Commissioner in writing two weeks prior to initiating the authorized diversion.
  - For emergency activities authorized pursuant Connecticut General Statutes Section 22a-6k, the Licensee shall notify the Commissioner, in writing, of activity commencement at least one (1) day prior to construction and of activity completion no later than five (5) days after conclusion.
- 4. For Coastal Licenses Only - License Notice.** The Licensee shall post the first page of the License in a conspicuous place at the work area while the work authorized therein is undertaken.
- 5. Unauthorized Activities.** Except as specifically authorized, no equipment or material, including but not limited to, fill, construction materials, excavated material or debris, shall be

---

<sup>1</sup> The Work Commencement condition and the need for a Work Commencement Form is not applicable to Flood Management Certification approvals.

deposited, placed or stored in any wetland or watercourse on or off-site. The Licensee may not conduct work within wetlands or watercourses other than as specifically authorized, unless otherwise authorized in writing by the Commissioner. Tidal wetlands means “wetland” as defined by section 22a-29 and “freshwater wetlands and watercourses” means “wetlands” and “watercourses” as defined by section 22a-38.

- 6. Management of Materials.** Any materials removed from the site shall be managed in accordance with all federal, state, and local requirements, including Chapter 446K Water Pollution Control, Chapter 445 Hazardous Waste, and Chapter 446d Solid Waste of the Connecticut General Statutes.
- 7. Unconfined Instream Work.** Unless otherwise noted in a condition of the license, the following conditions apply to projects in non-coastal waters:
  - Unconfined instream work is limited to the period June 1 through September 30.
  - Confinement of a work area by cofferdam techniques using sand bag placement, sheet pile installation (vibratory method only), portadam, or similar confinement devices is allowed any time of the year. The removal of such confinement devices is allowed any time of the year.
  - Once a work area has been confined, in-water work within the confined area is allowed any time of the year.
  - The confinement technique used shall completely isolate and protect the confined area from all flowing water. The use of silt boom/curtain or similar technique as a means for confinement is prohibited.
- 8. For State Actions Only - Material or Equipment Storage in the Floodplain.** Unless approved by a Flood Management Exemption, the storage of any materials at the site which are buoyant, hazardous, flammable, explosive, soluble, expansive, radioactive, or which could in the event of a flood be injurious to human, animal or plant life, below the elevation of the five-hundred (500) year flood is prohibited. Any other material or equipment stored at the site below said elevation by the Licensee or the Licensee's contractor must be firmly anchored, restrained or enclosed to prevent flotation. The quantity of fuel stored below such elevation for equipment used at the site shall not exceed the quantity of fuel that is expected to be used by such equipment in one day. In accordance with the licensee's Flood Contingency Plan, the Licensee shall remove equipment and materials from the floodplain during periods when flood warnings have been issued or are anticipated by a responsible federal, state or local agency. It shall be the Licensee's responsibility to obtain such warnings when flooding is anticipated.
- 9. Temporary Hydraulic Facilities for Water Handling.** If not reviewed and approved as a part of the license application, temporary hydraulic facilities shall be designed by a qualified professional and in accordance with the *Connecticut Guidelines for Soil Erosion and Sediment Control*, the *2004 Connecticut Stormwater Quality Manual*, or the *Department of Transportation's ConnDOT Drainage Manual*, as applicable. Temporary hydraulic facilities may include channels, culverts or bridges which are required for haul roads, channel relocations, culvert installations, bridge construction, temporary roads, or detours.

- 10. Excavated Materials.** Unless otherwise authorized, all excavated material shall be staged and managed in a manner which prevents additional impacts to wetlands and watercourses.
- 11. Best Management Practices.** The Licensee shall not cause or allow pollution of any wetlands or watercourses, including pollution resulting from sedimentation and erosion. In constructing or maintaining any authorized structure or facility or conducting any authorized activity, or in removing any such structure or facility, the Licensee shall employ best management practices to control storm water discharges, to prevent erosion and sedimentation, and to otherwise prevent pollution of wetlands and other waters of the State. For purposes of the license, “pollution” means “pollution” as that term is defined by CGS section 22a-423. Best Management Practices include, but are not limited, to practices identified in the *Connecticut Guidelines for Soil Erosion and Sediment Control* as revised, *2004 Connecticut Stormwater Quality Manual*, Department of Transportation’s *ConnDOT Drainage Manual* as revised, and the Department of Transportation Standard Specifications as revised.
- 12. In-Water Work Vessel Staging and Storage. (for Structures Dredging & Fill, Tidal Wetlands, Certificate of Permission, and Long Island Sound General Permit Licenses only).** For any barge, vessel, skiff or floating work platform (“work vessels”) utilized in the execution of the work authorized herein, the Licensee shall ensure that such work vessels:
- do not rest on, or come in contact with, the substrate at any time, unless specifically authorized in the license.
  - are not stored over intertidal flats, submerged aquatic vegetation or tidal wetland vegetation or in a location that interferes with navigation. In the event any work vessel is grounded, no dragging or prop dredging shall occur to free it.
- 13. Work Site Restoration.** Upon completion of any authorized work, the Licensee shall restore all areas impacted by construction, or used as a staging area or accessway in connection with such work, to their condition prior to the commencement of such work.
- 14. Inspection.** The Licensee shall allow any representative of the Commissioner to inspect the project location at reasonable times to ensure that work is being or has been conducted in accordance with the terms and conditions of this license.
- 15. Change of Use. (Applies only if a use is specified within the License “Project Description”)**
- a. The work specified in the license is authorized solely for the purpose set forth in the license. No change in purpose or use of the authorized work or facilities as set forth in the license may occur without the prior written approval of the Commissioner. The Licensee shall, prior to undertaking or allowing any change in use or purpose from that which is authorized by this license, request permission from the Commissioner for such change. Said request shall be in writing and shall describe the proposed change and the reason for the change.
  - b. A change in the form of ownership of any structure authorized herein from a rental/lease commercial marina to a wholly-owned common interest community or dockominium may constitute a change in purpose as specified in paragraph (a) above.
- 16. De Minimis Alteration.** The Licensee shall not deviate from the authorized activity without

prior written approval from the Commissioner. The Licensee may request a de minimis change to any authorized structure, facility, or activity. A de minimis alteration means a change in the authorized design, construction or operation that individually and cumulatively has minimal additional environmental impact and does not substantively alter the project as authorized.

- For diversion activities authorized pursuant to 22a-377(c)-2 of the Regulations of Connecticut State Agencies, a de minimis alteration means an alteration which does not significantly increase the quantity of water diverted or significantly change the capacity to divert water.

**17. Extension Request.** The Licensee may request an extension of the license expiration date. Such request shall be in writing and shall be submitted to [DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov) at least thirty (30) days prior to the license expiration. Such request shall describe the work done to date, what work still needs to be completed, and the reason for such extension. The Commissioner may extend the expiration date of this license for a period of up to one year, in order for the Licensee to complete the authorized activities. It shall be at the Commissioner's sole discretion to grant or deny such request. No more than three (3) one-year extensions will be granted under this license.

**18. Compliance Certification.** Not later than 90 days after completion of the authorized work, the Licensee shall prepare and submit to [DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov), the attached Compliance Certification Form. Such Compliance Certification shall be completed, signed, and sealed by the Licensee and a Connecticut Licensed Design Professional. If non-compliance is indicated on the form, or the Commissioner has reason to believe the activities and/or structures were conducted in non-compliance with the license, the Commissioner may require the Licensee to submit as-built plans as a condition of this license.

**19. Maintenance.** The Licensee shall maintain all authorized structures or work in optimal condition or shall remove such structures or facility and restore the affected waters to their pre-work condition. Any such maintenance or removal activity shall be conducted in accordance with applicable law and any additional approvals required by law.

**20. No Work After License Expiration.** Work conducted after the license expiration date is a violation of the license and may subject the licensee to enforcement action, including penalties, as provided by law.

**21. License Transfer.** The license is not transferable without prior written authorization of the Commissioner. A request to transfer a license shall be submitted in writing and shall describe the proposed transfer and the reason for such transfer. The Licensee's obligations under the license shall not be affected by the passage of title to the license site to any other person or municipality until such time as a transfer is approved by the Commissioner.

**22. Document Submission.** Any document required to be submitted to the Commissioner under the license or any contact required to be made with the Commissioner shall, unless otherwise specified in writing by the Commissioner, be directed to:

[DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov) or

Regulatory Section  
Land & Water Resources Division  
Department of Energy and Environmental Protection  
79 Elm Street  
Hartford, Connecticut 06106-5127  
860-424-3019

- 23. Date of Document Submission.** The date of submission to the Commissioner of any document required by the license shall be the date such document is received by the Commissioner. The date of any notice by the Commissioner under the license, including but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is personally delivered or the date three (3) days after it is mailed by the Commissioner, whichever is earlier. Except as otherwise specified in the license, the word “day” as used in the license means calendar day. Any document or action which is required by the license to be submitted or performed by a date which falls on a Saturday, Sunday or a Connecticut or federal holiday shall be submitted or performed on or before the next day which is not a Saturday, Sunday, or a Connecticut or federal holiday.
- 24. Certification of Documents.** Any document, including but not limited to any notice, which is required to be submitted to the Commissioner under the license shall be signed by the Licensee and by the individual or individuals responsible for actually preparing such document, each of whom shall certify in writing as follows: “I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statement made in this document or its attachments may be punishable as a criminal offense.”
- 25. Accuracy of Documentation.** In evaluating the application for the license, the Commissioner has relied on information and data provided by the Licensee and on the Licensee’s representations concerning site conditions, design specifications and the proposed work, including but not limited to representations concerning the commercial, public or private nature of the work or structures, the water-dependency of said work or structures, its availability for access by the general public, and the ownership of regulated structures or filled areas. If such information proves to be false, deceptive, incomplete or inaccurate, the license may be modified, suspended or revoked, and any unauthorized activities may be subject to enforcement action.
- 26. Limits of Liability.** In granting the license, the Commissioner has relied on all representations of the Licensee, including information and data provided in support of the Licensee’s application. Neither the Licensee’s representations nor the issuance of the license shall constitute an assurance by the Commissioner as to the structural integrity, the engineering feasibility or the efficacy of such design.
- 27. Reporting of Violations.** In the event that the Licensee becomes aware that they did not or may not comply, or did not or may not comply on time, with any provision of this license or of any document incorporated into the license, the Licensee shall immediately notify the



agency contact specified within the license and shall take all reasonable steps to ensure that any noncompliance or delay is avoided or, if unavoidable, is minimized to the greatest extent possible. In so notifying the agency contact, the Licensee shall provide, for the agency's review and written approval, a report including the following information:

- a. the provision(s) of the license that has been violated;
- b. the date and time the violation(s) was first observed and by whom;
- c. the cause of the violation(s), if known;
- d. if the violation(s) has ceased, the duration of the violation(s) and the exact date(s) and times(s) it was corrected;
- e. if the violation(s) has not ceased, the anticipated date when it will be corrected;
- f. steps taken and steps planned to prevent a reoccurrence of the violation(s) and the date(s) such steps were implemented or will be implemented; and
- g. the signatures of the Licensee and of the individual(s) responsible for actually preparing such report.

If the violation occurs outside of normal business hours, the Licensee shall contact the Department of Energy and Environmental Protection Emergency Dispatch at 860-424-3333. The Licensee shall comply with any dates which may be approved in writing by the Commissioner.

- 28. Revocation/Suspension/Modification.** The license may be revoked, suspended, or modified in accordance with applicable law.
- 29. Other Required Approvals.** License issuance does not relieve the Licensee of their obligations to obtain any other approvals required by applicable federal, state and local law.
- 30. Rights.** The license is subject to and does not derogate any present or future property rights or powers of the State of Connecticut, and conveys no property rights in real estate or material nor any exclusive privileges, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the property or activity affected hereby.
- 31. Condition Conflicts.** In the case where a project specific special condition listed on the license differs from, or conflicts with, one of the general conditions listed herein, the project specific special condition language shall prevail. It is the licensee's responsibility to contact the agency contact person listed on the license for clarification if needed prior to conducting any further regulated activities.

# HAMDEN RIP-RAP SLOPE STABILIZATION PROJECT HAMDEN, CT



AREA OF WORK

GPS COORDINATES  
41° 20' 2.65" N  
72° 53' 31.49" W

VICINITY MAP

GENERAL DRAWINGS

DRAWING No.	REVISION	PAGE No.	DESCRIPTION
CO-01	2	2	COVER PAGE
NO-01	1		GENERAL NOTES SHEET
NO-02	1		CIVIL/STRUCTURAL NOTES SHEET

CIVIL DRAWINGS - RIP-RAP PROTECTION

DRAWING No.	REVISION	PAGE No.	DESCRIPTION
RR-1	3	2	OVERALL SITE PLAN - ROCK RIP-RAP
RR-2	3		ROCK RIP-RAP PARTIAL PLAN 0+00-1+50
RR-3	3		ROCK RIP-RAP PARTIAL PLAN 1+50-3+04
RR-4	1		ROCK RIP-RAP SECTIONS 0+00-1+50
RR-5	1		ROCK RIP-RAP SECTIONS 2+00-3+00
ESCP-1	1		EROSION AND SEDIMENTATION CONTROL PLAN
RJSP-1	1		REGULATORY JURISDICTION SITE PLAN

FOR PERMIT PURPOSE ONLY  
NOT FOR CONSTRUCTION



**BUCKEYE PARTNERS, L.P. ("BUCKEYE") IS NOT LIABLE FOR ANY EVENT(S) ARISING OUT OF THE USE OF THIS INFORMATION.**

THE INFORMATION CONTAINED HEREIN IS "SECURITY SENSITIVE INFORMATION" & SHOULD NOT BE REPRODUCED OR DISTRIBUTED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM BUCKEYE. THE LOCATION OF BUCKEYE'S FACILITIES & PIPELINES ARE NOTED FOR GENERAL PURPOSES ONLY & SHOULD NOT BE CONSIDERED EXACT. THE DETAILS CONTAINED HEREIN ARE NOT BE USED AS A SUBSTITUTE FOR CONTACTING THE APPROPRIATE ONE-CALL CENTER. BUCKEYE ENDORSES THE USE OF THE 811 NATIONAL ONE-CALL SYSTEM.

Digitally signed by Joseph Burke  
DN: cn=Joseph Burke, o=SPEC Consulting, LLC, ou, email=jburke@spec.com, c=US, date=2024.08.11 11:32:28 -0400

**SPEC CONSULTING LLC**  
349 NORTHERN BOULEVARD  
ALBANY, NY 12204  
PHONE: 518.487.4800  
FAX: 518.488.8527

REV #	DESCRIPTION	DWN	CHK	APP	DATE
2	REVISED IFP	DV	IDR	JSS	6/7/24
1	REVISED IFP	IDR	IDR	JSS	11/8/23
0	IFB	MSJR	IDR	IDR	8/8/23

**NOTICE** THIS DRAWING IS ISSUED:

FOR REFERENCE  
 FOR REVIEW / APPROVAL  
 FOR BID  
 FOR CONSTRUCTION  
 AS-BUILT  
 OPERATIONS APPROVED

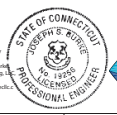

COMPANY:	BUCKEYE PARTNERS, LP
OPERATOR:	
DATE/TIME/SCALE:	
SCALE:	NONE
FILED/DATE/NO.:	
DESIGNER:	
CHECKER:	
APP'ER:	
DATE:	
DATE:	

PROJECT:	HAMDEN TERMINAL
GENERAL:	GENERAL COVER PAGE
DESCRIPTION:	ROCK RIP-RAP SLOPE PROTECTION
LOCATION:	HAMDEN, CT
COMPANY CODE:	
JOB/PROJECT CODE:	
ISSUE NO.:	
DATE:	
DATE:	

- - CO - 01

GENERAL NOTES

- 1.0 GENERAL:
- 1.1 BASE MAPPING PROVIDED BY OWNER
  - 1.2 THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES, ABOVE GROUND STRUCTURES AND/OR UTILITIES BELIEVED TO EXIST IN THE WORKING AREA. EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES, AND/OR UTILITIES IN THE AREA MAY BE SHOWN OR MAY NOT BE SHOWN; AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK.
  - 1.3 THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL FROM THE ENGINEER.
  - 1.4 THE CONTRACTOR IS INSTRUCTED TO COOPERATE WITH ANY AND ALL OTHER CONTRACTORS PERFORMING WORK ON THIS JOB SITE DURING THE PERFORMANCE OF THIS CONTRACT.
  - 1.5 THE CONTRACTOR SHALL RESTORE ALL PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO AT LEAST AS GOOD OF A CONDITION AS BEFORE DISTURBED AS DETERMINED BY THE ENGINEER. ANY DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY IF SCHEDULED CONFLICTS DEVELOP.
  - 1.6 THE CONTRACTOR SHALL OBTAIN AND COMPLY WITH ALL REQUIRED PERMITS.
  - 1.7 THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATES, ETC., UNLESS OTHERWISE SPECIFIED. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH OWNER PRACTICES AND SPECIFICATIONS, AND LOCAL CODES.
  - 1.8 THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL OSHA REGULATIONS AND STATE LABOR DEPARTMENT REGULATIONS.
  - 1.9 THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
  - 1.10 THE CONTRACTOR SHALL EXERCISE CAUTION WHEN OPERATING CONSTRUCTION EQUIPMENT OVER INSTALLED PIPELINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A MINIMUM OF TWO FEET OF COVER OR MORE, IF REQUIRED, OVER ANY PIPELINES SUBJECT TO CONSTRUCTION TRAFFIC.
  - 1.11 THE CONTRACTOR SHALL OBTAIN SAFE WORK PERMITS AND/OR HOT WORK PERMITS DAILY FROM THE DESIGNATED COMPANY REPRESENTATIVE. NO WORK SHALL BE EXECUTED PRIOR TO THE APPROVAL OF THE WORK PERMIT(S).
- 2.0 WORK SCHEDULE:
- THE OWNER PROPOSES TO CONTINUE ALL OPERATIONS DURING THE CONSTRUCTION PERIOD. THE OWNER SHALL DETERMINE THE SCHEDULE FOR OUTAGES FOR ALTERATIONS. THE CONTRACTOR SHALL BE PREPARED TO PROMPTLY COMPLETE REQUIRED WORK WHEN GIVEN NOTICE THAT THEY ARE AVAILABLE FOR WORK. THE CONTRACTOR SHALL SCHEDULE HIS OPERATIONS BECAUSE OF THESE OPERATIONS. IT MAY BE NECESSARY TO RESTRICT HOT WORK TO THE EXTENT POSSIBLE. CONTRACTOR SHALL PREPARE NEW PIPING IN SPOOLS IN SAFE WORK AREAS AWAY FROM ACTIVE OPERATING AREAS AS DESIGNATED BY OWNER. THE CONTRACTOR SHALL SCHEDULE THIS WORK SO THAT ALTERNATE WORK SITES ARE AVAILABLE WHEN HOT WORK RESTRICTIONS BECOME NECESSARY.
- 3.0 SCOPE:
- CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT, SUPPLIES, SERVICES, SUPERVISION AND TRANSPORTATION NECESSARY FOR, INCLUDING ANY INCIDENTALS TO THE COMPLETE INSTALLATION OF ADDITIONS AND ALTERATIONS TO THE EXISTING MECHANICAL, ELECTRICAL AND STRUCTURAL SYSTEMS AS SHOWN ON THE DRAWINGS OR DESCRIBED IN THE SPECIFICATION, AND OTHER CONTRACT DOCUMENTS, INCLUDING THE PAYMENT OF ALL COSTS AND FEES INCURRED IN CONNECTION WITH CARRYING OUT THE INTENT OF THESE SPECIFICATIONS. THE WORK SHALL INCLUDE BUT NOT BE LIMITED TO THE SCOPE OF WORK AS SPECIFIED ON THE SCOPE AND NOTES DRAWING.
- 4.0 SPECIFICATIONS AND DRAWINGS:
- 4.1 THESE SPECIFICATIONS AND DRAWINGS ARE INTENDED TO DESCRIBE THE ENTIRE PROJECT WORK UNLESS OTHERWISE STIPULATED IN THE LETTER OF INSTRUCTIONS TO CONTRACTOR.
  - 4.2 THE USE HEREIN OF THE WORDS "PROVIDE" AND "FURNISH" SHALL BE UNDERSTOOD TO MEAN "FURNISH, INSTALL AND CONNECT".
  - 4.3 THE DRAWINGS ARE INTENDED TO SHOW THE ENTIRE WORK REQUIRED UNDER THIS CONTRACT AND AS MENTIONED IN THE SCOPE OF WORK. THE CONTRACTOR IS REQUIRED TO CHECK THESE PLANS AND CALL TO THE ATTENTION OF ENGINEER AND OWNER ANY INACCURACIES, OMISSIONS OR CODE VIOLATIONS THAT MAY HAVE BEEN INADVERTENTLY MADE, BEFORE WORK IS STARTED.
  - 4.4 ANY LARGE SCALE DETAILS REQUIRED TO AMPLIFY THE INTENTION OF THE WORK SHALL BE MADE BY THE CONTRACTOR. UNLESS SPECIFICALLY DIMENSIONED, THE LOCATION OF ALL EQUIPMENT, CONDUIT OR PIPE LINES IS APPROXIMATE ONLY AND THE EXACT LOCATION IS TO BE SELECTED AT THE SITE ON THE BASIS OF NEATNESS, APPEARANCE AND THE EASE OF INSTALLATION. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL FURNISH ENGINEER AND OWNER WITH A SET OF AS-BUILT DRAWINGS SHOWING ACTUAL PHYSICAL INSTALLATION OF ALL MECHANICAL PIPE, VALVES, FITTINGS, EQUIPMENT, CONDUIT AND PIPE RUNS, AND ELECTRICAL WIRE SIZE AND TERMINATION INCLUDING ALL THAT DIFFER APPRECIABLE FROM THOSE INDICATED ON THE CONTRACT DRAWINGS.
- 5.0 MATERIAL AND EQUIPMENT:
- 5.1 MATERIAL AND EQUIPMENT LISTED IN EQUIPMENT SCHEDULE FOR THE DRAWINGS SPECIFIED HEREIN SHALL BE SUPPLIED BY OWNER. OWNER RESERVES THE RIGHT OF PURCHASE AFOREMENTIONED MAJOR EQUIPMENT. CONTRACTOR SHALL INCLUDE IN BID ITEMIZED PRICES FOR ALL OTHER MAJOR EQUIPMENT.
  - 5.2 MATERIAL, NOT LISTED IN SCHEDULE OF MATERIAL AND ANY ADDITIONAL QUANTITY OF MATERIAL LISTED IN SCHEDULE OF MATERIAL AS REQUIRED FOR COMPLETION OF WORK, SHALL BE FURNISHED BY CONTRACTOR.
  - 5.3 QUANTITIES LISTED IN SCHEDULE OF MATERIAL AND ON CONTRACT DOCUMENTS ARE FOR INFORMATION ONLY. CONTRACTOR IS REQUIRED TO MAKE QUANTITY TAKE-OFFS AND SHALL BE RESPONSIBLE THERE OF.
  - 5.4 MATERIAL SHALL BE NEW AND OF FIRST QUALITY. ELECTRICAL MATERIAL FURNISHED SHALL BE IN CONFORMANCE WITH CODE AND SHALL BEAR APPROVAL LABEL WHERE SUCH SERVICE IS PROVIDED. USE OF MATERIAL "SIMILAR AND EQUAL" TO THAT SPECIFIED OR INDICATED ON THE CONTRACT DOCUMENTS, OR OTHER SUBSTITUTIONS MUST BE APPROVED BY ENGINEER AND OWNER. BUT SUCH APPROVAL WILL NOT RELIEVE CONTRACTOR OF ANY RESPONSIBILITY FOR SATISFACTORY PERFORMANCE OF INSTALLATION.
  - 5.5 IN MAKING SUBSTITUTIONS, CAPACITY, OPERATION, AND RATING OF SYSTEM SHALL NOT BE REDUCED.
  - 5.6 CONTRACTOR SHALL SUBMIT A LISTING AS TO MANUFACTURER AND CATALOG NUMBER OF PRINCIPAL ITEMS OF CONDUCTORS, MATERIAL, AND APPARATUS TO ENGINEER AND OWNER, AND SHALL OBTAIN APPROVAL BEFORE DELIVERY IS MADE.
  - 5.7 SHIPPING, TAXES, AND ANY OTHER FREIGHT COST, ASSOCIATED WITH THE DEFINED SCOPE OF WORK SHALL BE INCLUDED IN SCOPE.
- 6.0 AREA CLASSIFICATION:
- ELECTRICAL HAZARD CLASSIFICATION OF AREAS SHALL BE AS DESCRIBED IN ARTICLE 500 OF NEC. THE NEMA DESIGNATION OF ELECTRICAL EQUIPMENT ENCLOSURES, FITTINGS AND RACKWAYS AND TECHNIQUE OF INSTALLATION SHALL CONFORM TO REQUIREMENTS SET BY THE CODE. SUCH LOCATIONS INCLUDE: AREAS WITHIN TANK DIKES, AND AREAS AROUND PUMP MATS, SEPARATOR TANK, TRUCK LOADING ISLANDS, FLANGES, STRAINERS, TRAPS, METERS AND TRUCK PUMP OFF. SEE ELECTRICAL DRAWINGS, LATEST EDITION OF NEC & OWNER STANDARD PRACTICES.
- 7.0 SAFETY RULES AND REGULATIONS:
- 7.1 WORK AND WORKING CONDITIONS SHALL CONFORM TO REQUIREMENTS OF ALL CODES INCLUDING SPECIFIC RULES AND REGULATIONS ESTABLISHED AT THE OWNER FACILITIES.
  - 7.2 CONTRACTOR SHALL COMPLY WITH THE OWNER SAFETY MANUAL.
- 8.0 TEMPORARY HEAT, POWER, AND LIGHT:
- 8.1 TEMPORARY HEAT, POWER AND LIGHTING REQUIRED TO COMPLETE PROJECT SHALL BE FURNISHED BY CONTRACTOR AND PRE-APPROVED BY OWNER. ALL ALTERNATES TO BE PRE-APPROVED BY OWNER. TO INSURE FACILITY SAFETY AND SECURITY DURING CONSTRUCTION THIS LIGHTING SHALL BE REMOVED ONCE PERMANENT LIGHTING IS IN SERVICE.
  - 8.2 ALL EQUIPMENT BROUGHT INTO THE WORK AREA SHALL COMPLY WITH THE NEC AREA CLASSIFICATION REQUIREMENTS OF THE WORK AREA.
- 9.0 PROTECTION:
- 9.1 DURING INSTALLATION PERIOD AND UNTIL WORK IS FINALLY ACCEPTED, CONTRACTOR SHALL PROPERLY AND ADEQUATELY PROTECT ITEMS OF EQUIPMENT AND RACEWAY WHICH HE INSTALLS, FROM ADVERSE EFFECTS OF WATER, DAMPNESS, DUST, FALLING OBJECTS AND INJURY DUE TO ACTIVITIES OF HIS OWN WORKMEN AND OTHERS. IN THE EVENT THAT DAMAGE OCCURS TO EQUIPMENT DUE TO NEGLIGENCE BY CONTRACTOR, HE SHALL, AT HIS OWN EXPENSE, REPLACE, REPAIR OR HAVE REPAIRED DAMAGED ITEM SUBJECT TO SATISFACTION OF OWNER.
  - 9.2 THE CONTRACTOR SHALL KEEP HIS WORK AREA FREE OF DEBRIS AND SCRAP. WORK AREAS SHALL BE BROOM SWEEP AS REQUIRED.
  - 9.3 MINIMUM PPE REQUIREMENTS: SAFETY GLASSES, GLOVES, HARD HAT, STEEL TOE SAFETY SHOES, HIGH VISIBILITY VEST OR CLOTHING AND FIRE RETARDANT CLOTHING WHEN PERFORMING ANY WORK ON SITE, OR AS INDICATED IN WRITING BY SPECIFIC FACILITY.
  - 9.4 IF LPG IS PRESENT AT THE PROJECT SITE, FIRE-RESISTANT CLOTHING IS REQUIRED AT ALL TIMES.
- 10.0 REPLACEMENT OF FINISHED SURFACES:
- WHERE EXISTING FINISHED SURFACES INCLUDING CONCRETE OR ASPHALT PAVEMENTS, SIDEWALKS, FLOORS, CURBS, PLANTED AREAS, ETC., ARE DISTURBED IN CARRYING OUT THE CONSTRUCTION, SUCH SURFACES SHALL BE RESTORED TO THEIR ORIGINAL THICKNESS, STRENGTH AND CONDITION AS PART OF THE WORK. SUBJECT TO SATISFACTION OF OWNER.
- 11.0 MISCELLANEOUS:
- 11.1 ALL EQUIPMENT, MATERIAL AND DETAILS OF INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS AND LATEST REVISIONS OF THE FOLLOWING APPLICABLE CODES AND STANDARDS:
    - A. NATIONAL ELECTRICAL CODE (NEC)
    - B. NATIONAL ELECTRICAL SAFETY CODE (NECS)
    - C. STANDARDS OF UNDERWRITERS LABORATORIES (UL)
    - D. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
    - E. INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)
    - F. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)
    - G. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
    - H. AMERICAN SOCIETY FOR TESTING MATERIAL ("ASTM INTERNATIONAL" SINCE 2001)
    - I. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)
    - J. AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)
    - K. AMERICAN PETROLEUM INSTITUTE (API)
    - L. STATE AND LOCAL CODES INCLUDING THOSE OF ALL AUTHORITIES HAVING JURISDICTION OVER THIS INSTALLATION.
    - M. NATIONAL BUREAU OF STANDARDS SAFETY RULES.
    - N. DEPARTMENT OF TRANSPORTATION (DOT), WHERE APPLICABLE.
  - 11.2 WHEREVER THE DRAWINGS OR SPECIFICATIONS CALL FOR MATERIAL, WORKMANSHIP, ARRANGEMENT OR CONSTRUCTION OF BETTER QUALITY OR HIGHER STANDARD THAN IS REQUIRED BY THE ABOVE-DESCRIBED RULES AND REGULATIONS, THE DRAWINGS AND SPECIFICATIONS SHALL TAKE PRECEDENCE.
  - 11.3 UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL DELIVER TO THE OWNER ALL NECESSARY "CERTIFICATES OF APPROVAL" FROM THE LOCAL CITY DEPARTMENTS OR FROM OFFICES OF UNDERWRITERS, OR BOTH.
- 12.0 INTERFERENCES:
- 12.1 CONTRACTOR SHALL COORDINATE WORK OF DIFFERENT TRADES SO THAT INTERFERENCES BETWEEN CONDUIT, PIPING EQUIPMENT, ARCHITECTURAL AND STRUCTURAL WORK SHALL BE AVOIDED. ALL NECESSARY SUPPORT OF PIPING SHALL BE MADE SO AS TO TAKE UP MINIMUM SPACE, AND ALL SUCH SUPPORTS, ELBOWS, FITTINGS, ETC., REQUIRED TO ACCOMPLISH THIS SHALL BE INSTALLED BY CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO OWNER.
  - 12.2 CONTRACTOR SHALL OBTAIN CLEARANCE FROM OWNER PRIOR TO INSTALLING PIPING AND CONDUITS IN ANY LOCATION WHERE INTERFERENCES MIGHT DEVELOP. IF CONTRACTOR SHOULD PROCEED WITHOUT OBTAINING SUCH CLEARANCE, AND INTERFERENCES DEVELOP, OWNER WILL DECIDE WHICH EQUIPMENT, PIPING, ETC., MUST BE RELOCATED, REGARDLESS OF WHICH WAS INSTALLED FIRST, AND SUCH RELOCATION SHALL BE DONE AT NO EXPENSE TO OWNER.
- 13.0 PERMITS AND FEES:
- THE CONTRACTOR IS REQUIRED TO OBTAIN ALL PERMITS FROM LOCAL MUNICIPAL AUTHORITIES FOR THE INSTALLATION, AND MAKE ARRANGEMENTS NECESSARY FOR INSPECTION AND APPROVAL OF THE WORK. THE COST OF THE PERMITS SHALL BE BORNE BY THE CONTRACTOR. COPIES OF ALL CODES, PERMITS, ETC., SHALL BE OBTAINED FOR THE OWNER REPRESENTATIVE'S FILE.
- 14.0 TESTS:
- 14.1 CONTRACTOR SHALL PAY ALL COST FOR TESTING AND INSPECTION BY LOCAL AUTHORITIES, AND SECURE CERTIFICATES FROM OWNER.
- 15.0 RECORDS:
- 15.1 ONE COMPLETE SET OF DRAWINGS ISSUED FOR CONTRACT SHALL BE MAINTAINED EXCLUSIVELY FOR RECORD PURPOSES BY CONTRACTOR, AND ALL CHANGES SHALL BE SHOWN AND NOTED THEREON. SUPPLEMENTAL DRAWINGS AND SKETCHES MAY BE MADE AT ADDITION. DIMENSIONS, CLEARANCES, SIZES AND SIGNIFICANT REFERENCES SHALL BE MADE AND KEPT UP TO DATE.
  - 15.2 AT COMPLETION OF THE INSTALLATION, A SET OF MARKED UP DRAWINGS SHALL BE BROUGHT UP TO "AS BUILT" STAGE AND FURNISHED TO OWNER AND ENGINEER. ALL CHANGES, ADDITIONS AND/OR DELETIONS WHICH TOOK PLACE DURING THE CONSTRUCTION PERIOD SHALL BE CLEARLY INDICATED ON DRAWINGS OF THIS SET.
  - 15.3 CONTRACTOR SHALL ASSEMBLE AND TURN OVER TO OWNER IN LOGICALLY ARRANGED FOLDERS, INSTRUCTION BULLETINS, LUBRICATION SCHEDULES, OPERATION INSTRUCTIONS, PARTS LISTS, PAMPHLETS, ETC., FOR ELECTRICAL AND MECHANICAL EQUIPMENT AND APPARATUS FURNISHED BY CONTRACTOR.
  - 15.4 CONTRACTOR SHALL SUPPLY REQUIRED PAPERWORK AS CERTIFICATION OF WORKMANSHIP IN ACCORDANCE WITH OWNER SPECIFICATIONS AND STANDARD PRACTICES, AND DOT, IF APPLICABLE, SUCH AS BUT NOT LIMITED TO:
    - A. MATERIAL CERTIFICATIONS
    - E. OWNER CHECKLISTS
- 16.0 SPECIAL CONDITIONS:
- 16.1 WORK SCHEDULE SHALL BE ARRANGED TO PROVIDE A MINIMUM OF PRODUCT SERVICE INTERRUPTION AND SUCH INTERRUPTION AS MAY BE NECESSARY SHALL BE ARRANGED AND COORDINATED WITH THE OWNER ENGINEER. ALL SERVICE INTERRUPTIONS SHALL BE MADE AT A TIME AND SCHEDULE AS APPROVED AND ACCEPTED BY THE OWNER ENGINEER. ALL TOOLS AND MATERIALS REQUIRED FOR SUCH MODIFICATIONS AND CONNECTIONS SHALL BE AT JOB SITE READY FOR USE AT TIME OF SERVICE INTERRUPTION SO AS NOT TO DELAY SERVICE RENSTATEMENT.
  - 16.2 BEFORE MODIFICATION, EXTENSION, OR TIE-IN TO EXISTING WORK SYSTEMS, TEST SUCH EXISTING WORK AND SYSTEMS BEFORE CONNECTIONS ARE MADE TO ASCERTAIN THE OPERATING CONDITIONS BEFORE MODIFICATIONS ARE MADE. ANY MALFUNCTION SHALL BE REPORTED TO THE OWNER. TEST ALL SUCH WORK AND SYSTEMS AFTER CONNECTIONS ARE MADE TO ENSURE PROPER OPERATION AS A WHOLE. THE WORK UNDER THIS CONTRACT SHALL INCLUDE THE RESPONSIBILITY OF CORRECTING ANY WORK OR EQUIPMENT FAILURE TO OPERATE CAUSED BY THE INTERCONNECTION OF THE NEW WORK TO THE EXISTING. TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE OWNER ENGINEER.
  - 16.3 CERTAIN REMOVALS AND RELOCATIONS OF EXISTING MECHANICAL AND ELECTRICAL WORK WILL BE NECESSARY TO THE SATISFACTORY PERFORMANCE OF THE GENERAL WORK. ALL CHANGES CANNOT BE COMPLETELY DETAILED ON THE DRAWINGS, BUT SHALL BE TAKEN INTO CONSIDERATION IN MAKING UP THE WORK PROPOSAL AND SHALL BE FURNISHED BY THE CONTRACTOR.
  - 16.4 CONTRACTOR SHALL NOTIFY EACH OPERATOR OF EXISTING UNDERGROUND FACILITIES SUCH AS POWER CO., WATER CO., GAS CO., ETC., THAT ARE WITHIN 15 FEET OF THE PROPOSED WORK AREA. THIS NOTICE MUST BE GIVEN WITHIN 10 DAYS PRIOR TO THE PLANNED DATE OF EXCAVATION SO THAT FACILITIES CAN BE MARKED OUT IN THE FIELD TO AVOID DAMAGE.
  - 16.5 THE CONTRACTOR SHALL REPAIR ANY TANK FARM LINERS DISTURBED DURING PERFORMANCE OF HIS WORK.
- 17.0 GUARANTEE:
- 17.1 THE CONTRACTOR GUARANTEES BY HIS ACCEPTANCE OF THE CONTRACT THAT ALL WORK INSTALLED WILL BE FREE FROM ANY AND ALL DEFECTS IN WORKMANSHIP AND MATERIALS AND THAT ALL APPARATUS WILL DEVELOP CAPACITIES AND CHARACTERISTICS AS SPECIFIED.
  - 17.2 A WRITTEN GUARANTEE SHALL BE SUPPLIED TO THE OWNER BEFORE THE FINAL PAYMENT IS MADE STATING THAT IF DURING THE PERIOD OF ONE YEAR FROM THE DATE OF CERTIFICATE OF COMPLETION AND ACCEPTANCE OF WORK, ANY DEFECTS IN WORKMANSHIP, MATERIAL OR PERFORMANCE APPEAR, HE WILL, WITHOUT COST TO THE OWNER, REMEDY SUCH DEFECTS WITHIN A REASONABLE TIME TO BE SPECIFIED IN A NOTICE FROM THE OWNER. IN DEFAULT THEREOF, THE OWNER MAY HAVE SUCH WORK DONE AND CHARGE THE COST TO THE CONTRACTOR.
- 18.0 CERTIFICATION:
- ON COMPLETION OF WORK, CONTRACTOR SHALL OBTAIN CERTIFICATES OF APPROVAL FROM AUTHORITIES HAVING JURISDICTION AND DELIVER THEM TO OWNER.
- 19.0 REMOVALS:
- WHERE WORK IS TO BE DONE AT AN EXISTING FACILITY WHICH WILL CAUSE EXISTING MECHANICAL AND ELECTRICAL SYSTEMS INCLUDING PUMPS, VALVES, WIRE, CONDUIT, FITTINGS, APPARATUS, ETC., TO BECOME OBSOLETE, SURPLUS OR OTHERWISE UNNECESSARY TO THE OPERATION OR CONTROL OF THE COMPLETED FACILITY, SUCH EXISTING SYSTEMS, UNLESS OTHERWISE SPECIFIED, SHALL BE REMOVED BY THE CONTRACTOR AS PART OF THE WORK. THE CONTRACTOR SHALL DISCUSS DISPOSITION OF SURPLUS MATERIAL AND DISMANTLED EQUIPMENT WITH THE OWNER PROJECT MANAGER. NO MATERIAL IS TO BE REMOVED FROM THE SITE PRIOR TO OBTAINING INSTRUCTIONS FROM OWNER.

<b>CAUTION</b>	 <p><b>Joseph Burke</b> Professional Engineer No. 19585</p>	 <p><b>SPEC</b> 349 NORTHERN BOULEVARD ALBANY, NY 12212 PHONE: 518 487 4600 FAX: 518 488 6527</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>REV #</th> <th>DESCRIPTION</th> <th>DWN</th> <th>CHK</th> <th>APP'D</th> <th>DATE</th> </tr> <tr> <td>0</td> <td>REVISED I/P</td> <td>MSJR</td> <td>IDR</td> <td>JSB</td> <td>12/8/23</td> </tr> <tr> <td>1</td> <td>I/P</td> <td>FP</td> <td>IDR</td> <td>APP</td> <td>8/8/23</td> </tr> </table>	REV #	DESCRIPTION	DWN	CHK	APP'D	DATE	0	REVISED I/P	MSJR	IDR	JSB	12/8/23	1	I/P	FP	IDR	APP	8/8/23	<p><b>NOTICE</b> THIS DRAWING IS ISSUED:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> FOR REFERENCE</li> <li><input type="checkbox"/> FOR REVIEW / APPROVAL</li> <li><input type="checkbox"/> FOR BID</li> <li><input type="checkbox"/> FOR CONSTRUCTION</li> <li><input type="checkbox"/> AS-BUILT</li> <li><input type="checkbox"/> OPERATIONS APPROVED</li> </ul>	<p>COMPANY: <b>BUCKEYE PARTNERS, LP</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>DATE</th> <th>ISSUED</th> <th>SCALE</th> <th>REVISION</th> <th>BY</th> <th>DATE</th> </tr> <tr> <td></td> <td>NONE</td> <td></td> <td>SPEC</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>BUCKEYE</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>BUCKEYE</td> <td></td> <td></td> </tr> </table>	DATE	ISSUED	SCALE	REVISION	BY	DATE		NONE		SPEC						BUCKEYE						BUCKEYE			<p>PROJECT: <b>HAMDEN TERMINAL</b></p> <p>GENERAL NOTES</p> <p>GENERAL NOTES</p> <p>HAMDEN, CT</p>
REV #	DESCRIPTION	DWN	CHK	APP'D	DATE																																											
0	REVISED I/P	MSJR	IDR	JSB	12/8/23																																											
1	I/P	FP	IDR	APP	8/8/23																																											
DATE	ISSUED	SCALE	REVISION	BY	DATE																																											
	NONE		SPEC																																													
			BUCKEYE																																													
			BUCKEYE																																													

GENERAL CIVIL/ STRUCTURAL NOTES

1.0 GENERAL:

- 1.1 THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL OSHA REGULATIONS AND STATE LABOR DEPARTMENT REGULATIONS.
- 1.2 THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
- 1.3 THE CONTRACTOR SHALL EXERCISE CAUTION WHEN OPERATING CONSTRUCTION EQUIPMENT OVER INSTALLED PIPELINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A MINIMUM OF TWO FEET OF COVER OR MORE, IF REQUIRED, OVER ANY PIPELINES SUBJECT TO CONSTRUCTION TRAFFIC.
- 1.4 THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK.

2.0 N/A

3.0 FOUNDATION NOTES:

N/A

4.0 EARTHWORK:

- 4.1 PROVIDE ALL SOFT DIGGING, HAND, AND MACHINE EXCAVATION, FILL, BACKFILL INCLUDING CRUSHED STONE AND GRAVEL BORROW, AND COMPACTION FOR:
  - A. ELECTRIC CONDUIT, PIPING, AND EQUIPMENT SUPPORT INSTALLATION.
  - B. FENCE, GUARD RAIL, GUARD POST AND OTHER SUCH STRUCTURES.
- 4.2 PROVIDE ALL PUMPING, SHORING AND SHEETING REQUIRED FOR DURATION OF PROJECT, INCLUDING PROPER REMOVAL OF HYDROCARBON SEEPAGE INTO EXCAVATIONS.
- 4.3 EROSION CONTROL TO BE APPLIED PER THE APPROVED STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PROVIDED TO THE CONTRACTOR.

5.0 UTILITIES:

WORK SCHEDULE SHALL BE ARRANGED TO PROVIDE A MINIMUM OF SERVICE INTERRUPTIONS, AND SUCH INTERRUPTIONS AS MAY BE NECESSARY SHALL BE ARRANGED AND COORDINATED WITH THE DESIGN ENGINEER AND TERMINAL SUPERINTENDENT. ALL SERVICE INTERRUPTIONS SHALL BE MADE AT A TIME AND SCHEDULE AS APPROVED AND ACCEPTED BY THE DESIGN ENGINEER. APPROVAL FOR SERVICE INTERRUPTIONS SHALL BE OBTAINED IN WRITING A MINIMUM OF 48 HOURS IN ADVANCE.



**Joseph Burke**  
 Digitally signed by Joseph Burke  
 DN: cn=Joseph Burke, o=SPEC Consulting, LLC, ou=, email=jburke@specinc.com, c=US  
 Date: 2024.06.11 11:51:37 -0400



**SPEC**  
 CONSULTING, LLC  
 349 NORTHERN BOULEVARD  
 ALBANY, NY 12004  
 PHONE: 518.487.4800  
 FAX: 518.438.9527

REV #	DESCRIPTION	DWN	CHK	APP	DATE
1	REVISED IFP	MSJR	IDR	JSB	12/8/23
0	IFP	MSJR	IDR	IDR	8/8/23

**NOTICE** THIS DRAWING IS ISSUED:  
 FOR REFERENCE  
 FOR REVIEW / APPROVAL  
 FOR BID  
 FOR CONSTRUCTION  
 AS-BUILT  
 OPERATIONS APPROVED

COMPANY: BUCKEYE PARTNERS, LP	
DATE/TIME/SCALE:	DATE:
SCALE: NONE	SCALE: SPEC
PROJECT NO.:	PROJECT: BUCKEYE
DATE:	DATE:

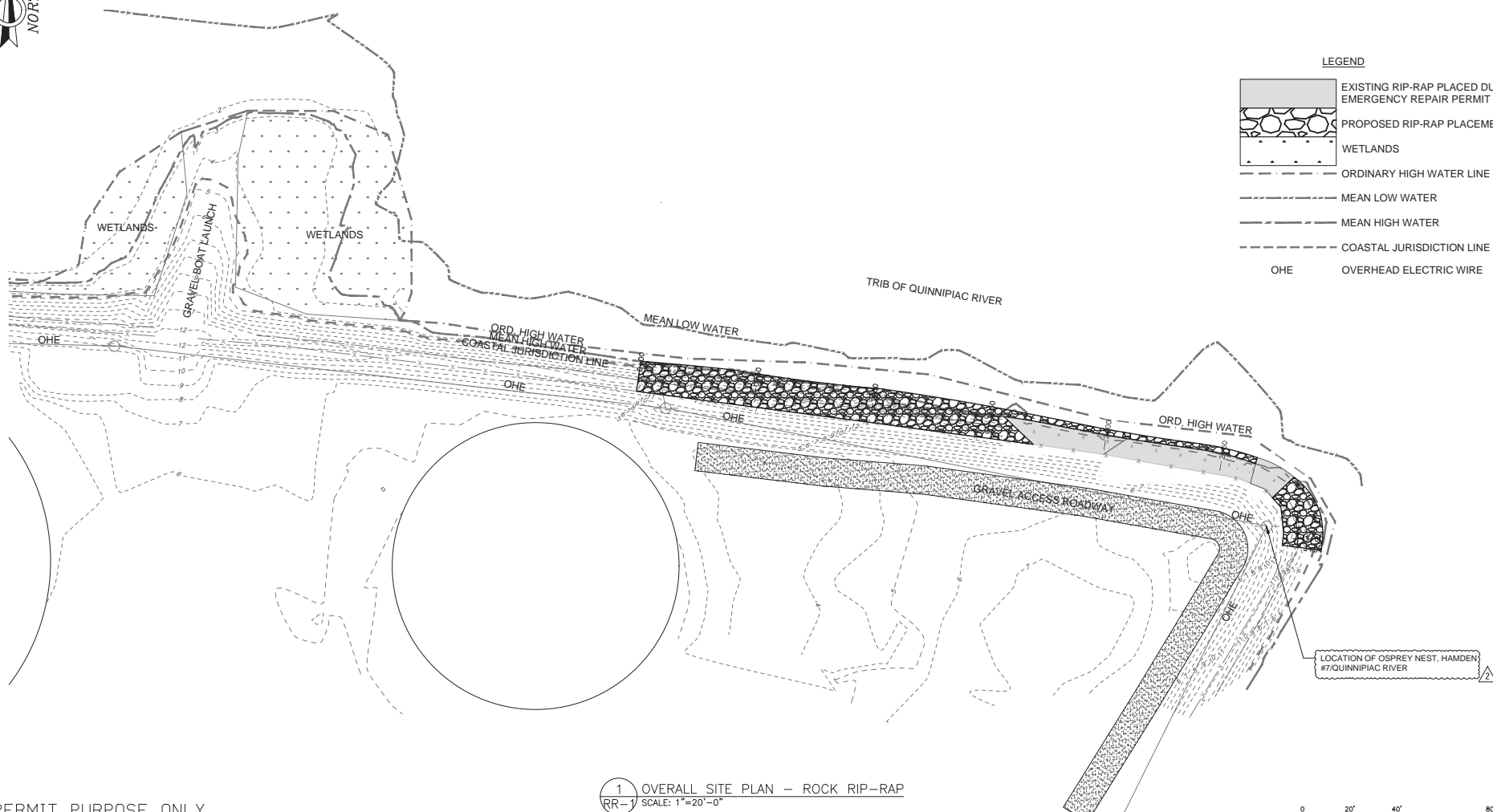
PROJECT: HAMDEN TERMINAL	
GENERAL NOTES	
CIVIL/STRUCTURAL NOTES	
HAMDEN, CT	
COMPANY CODE:	JOB/PROJECT CODE:
DATE:	DATE:
DWSL NO. - NO - 02	

**CAUTION**  
 WHEN DRAWING IS NOT PLOTTED FULL-SIZE (24"x36"), USE GRAPHIC SCALE(S) ACCORDINGLY.



**LEGEND**

	EXISTING RIP-RAP PLACED DURING EMERGENCY REPAIR PERMIT
	PROPOSED RIP-RAP PLACEMENT
	WETLANDS
	ORDINARY HIGH WATER LINE
	MEAN LOW WATER
	MEAN HIGH WATER
	COASTAL JURISDICTION LINE
	OHE OVERHEAD ELECTRIC WIRE



1 OVERALL SITE PLAN - ROCK RIP-RAP  
 RR-1 SCALE: 1"=20'-0"

FOR PERMIT PURPOSE ONLY  
 NOT FOR CONSTRUCTION

**CAUTION**  
 WHEN DRAWING IS NOT  
 PLOTTED FULL-SIZE (24"x36"),  
 USE GRAPHIC SCALE(S)  
 ACCORDINGLY.

Digitally signed by Joseph Burke  
 DN: cn=Joseph Burke, o=SPEC Consulting LLC, email=jb@specconsulting.com, c=US  
 Date: 2024.08.11 11:25:11 -0400

**SPEC**  
 CONSULTING LLC  
 349 NORTHERN BOULEVARD  
 ALBANY, NY 12004  
 PHONE: 518.487.4600  
 FAX: 518.438.8927

REV #	DESCRIPTION	DWN	CHK	APP	DATE
3	REVISED IFP	DV	IDR	JSB	6/7/24
2	REVISED IFP	IDR	IDR	JSB	12/8/23
1	IFP	MSJR	IDR	JSB	9/9/23
0	IFB	MSJR	IDR	IDR	4/5/23

**NOTICE**  
 FOR REFERENCE  
 FOR REVIEW / APPROVAL  
 FOR BID  
 FOR CONSTRUCTION  
 AS-BUILT  
 OPERATIONS APPROVED

THIS DRAWING IS ISSUED:

DATE:	DATE:
SCALE: AS SHOWN	DRAWN:
DESIGNED:	CHECKED:
ISSUED:	APPD:
PAGE:	OPS APPD:

COMPANY: BUCKEYE PARTNERS, LP

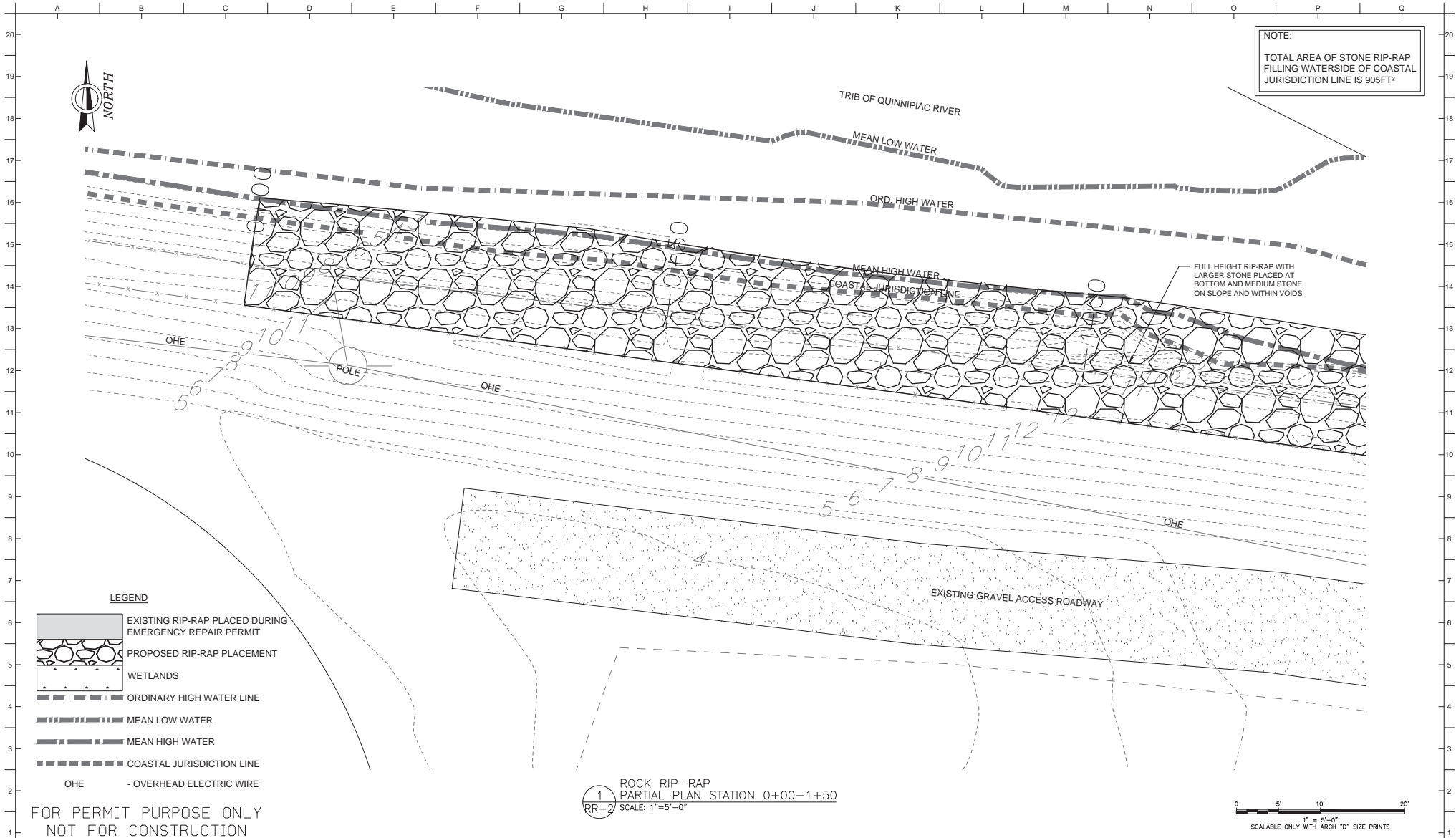
FACILITY: HAMDEN TERMINAL

STRUCTURAL  
 DETAILS / DRAWINGS  
 OVERALL SITE PLAN - ROCK RIP RAP  
 HAMDEN, CT

COMPANY CODE:	LOCATION CODE:	DRAWING TITLE:	SUBSET:
-	-	- RR-1	

DWG. NO.:

P:\PROJECTS\2024\RR-1\RR-1.dwg



NOTE:  
TOTAL AREA OF STONE RIP-RAP FILLING WATERSIDE OF COASTAL JURISDICTION LINE IS 905FT²

FULL HEIGHT RIP-RAP WITH LARGER STONE PLACED AT BOTTOM AND MEDIUM STONE ON SLOPE AND WITHIN VOIDS

1  
RR-2  
ROCK RIP-RAP  
PARTIAL PLAN STATION 0+00-1+50  
SCALE: 1"=5'-0"

0 5' 10' 20'  
1" = 5'-0"  
SCALABLE ONLY WITH ARCH "D" SIZE PRINTS

FOR PERMIT PURPOSE ONLY  
NOT FOR CONSTRUCTION

LEGEND

- EXISTING RIP-RAP PLACED DURING EMERGENCY REPAIR PERMIT
- PROPOSED RIP-RAP PLACEMENT
- WETLANDS
- ORDINARY HIGH WATER LINE
- MEAN LOW WATER
- MEAN HIGH WATER
- COASTAL JURISDICTION LINE
- OHE - OVERHEAD ELECTRIC WIRE

**CAUTION**  
WHEN DRAWING IS NOT PLOTTED FULL-SIZE (24"x36"), USE GRAPHIC SCALE(S) ACCORDINGLY.

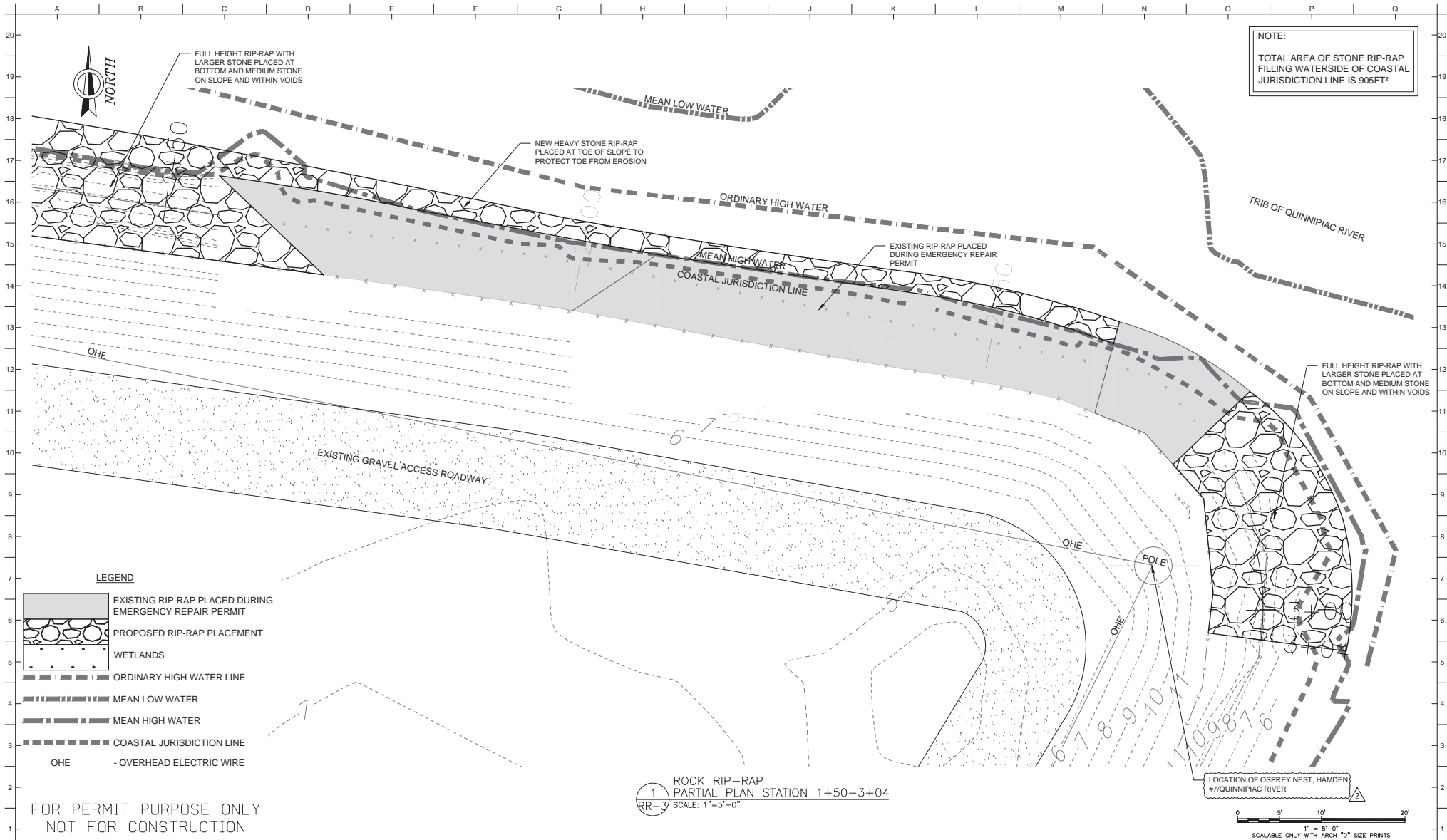


REV #	DESCRIPTION	DWN	CHK	APP	DATE
2	REVISED I/P	DV	IDR	JSB	6/7/24
1	REVISED I/P	IDR	IDR	JSB	11/8/23
0	IFB	MSJR	IDR	IDR	8/8/23

**NOTICE**  
THIS DRAWING IS ISSUED:  
 FOR REFERENCE  
 FOR REVIEW / APPROVAL  
 FOR BID  
 FOR CONSTRUCTION  
 AS-BUILT  
 OPERATIONS APPROVED

COMPANY	BUCKEYE PARTNERS, LP
OPERATION	
DATE	
SCALE	AS SHOWN
DATE	
DATE	
DATE	
DATE	
DATE	
DATE	

HAMDEN TERMINAL  
STRUCTURAL  
DETAILS / DRAWINGS  
SHEET PILING PARTIAL PLAN 0+00-1+50  
HAMDEN, CT  
DWG. NO. - RR-2



FOR PERMIT PURPOSE ONLY  
NOT FOR CONSTRUCTION

1  
RR-3  
ROCK RIP-RAP  
PARTIAL PLAN STATION 1+50-3+04  
SCALE: 1"=5'-0"

LOCATION OF OSPREY NEST, HAMDEN  
#7/QUINNIPIAC RIVER  
0 5' 10' 20'  
1" = 5'-0"  
SCALABLE ONLY WITH ARCH "D" SIZE PRINTS

**CAUTION**  
WHEN DRAWING IS NOT  
PLOTTED FULL-SIZE (24"x36"),  
USE GRAPHIC SCALE(S)  
ACCORDINGLY.

Digitally signed by  
Joseph Burke  
DN: cn=Joseph Burke,  
o=SPEC Consulting,  
ou=SPEC,  
email=jburke@spec.com,  
c=US

**Joseph Burke**  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF CONNECTICUT  
1978

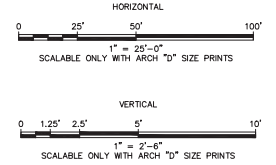
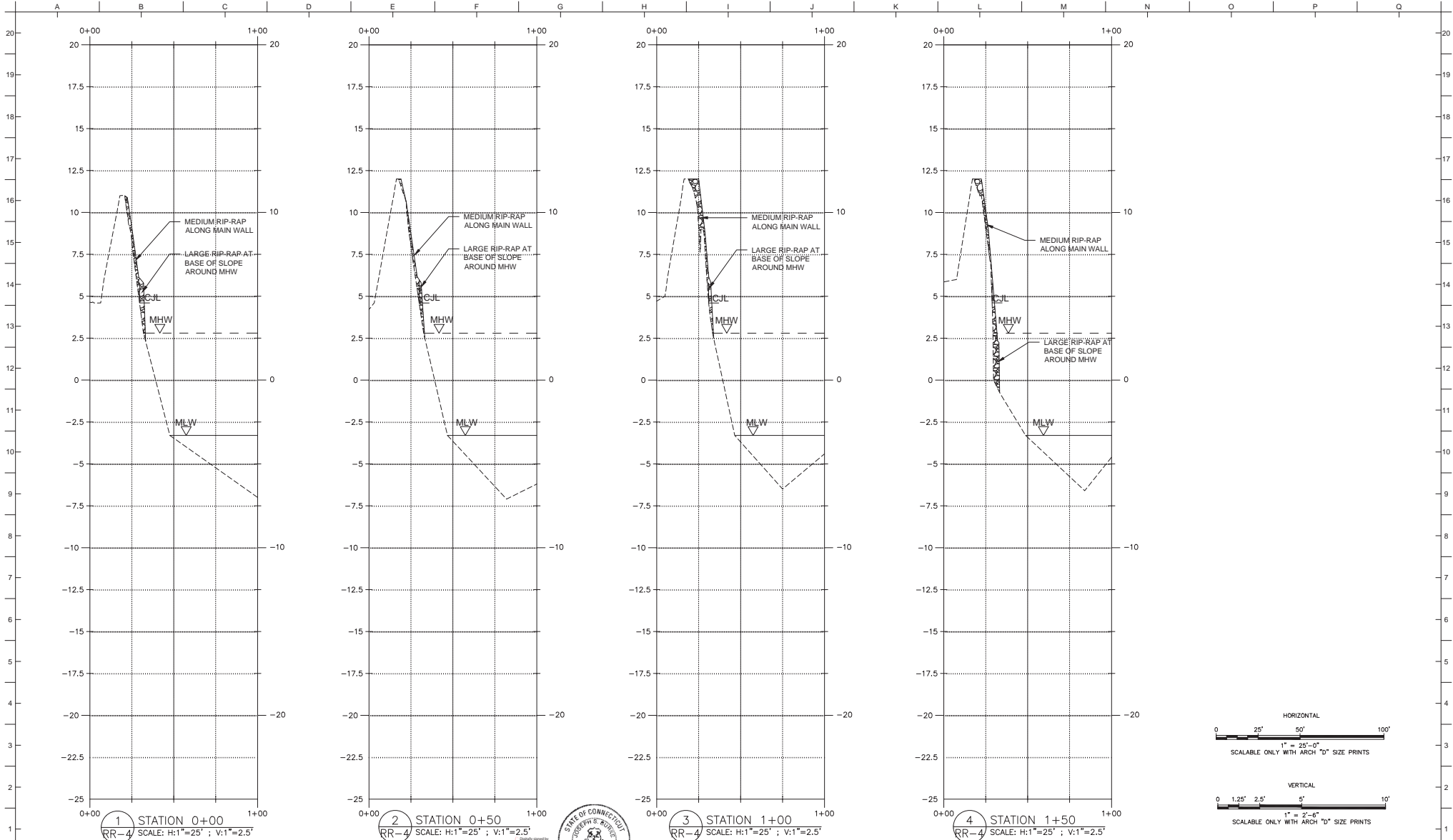
**SPEC**  
CONSULTING, LLC  
349 NORTHERN BOULEVARD  
ALBANY, NY 12004  
PHONE: 518 487 4600  
FAX: 518 488 8927

REV #	DESCRIPTION	DWN	CHK	APP	DATE
3	REVISED IFP	DV	IDR	JSB	6/7/24
2	REVISED IFP	IDR	IDR	JSB	12/8/23
1	IFP	MSJR	IDR	JSB	8/9/23
0	IFB	MSJR	IDR	IDR	4/5/23

**NOTICE** THIS DRAWING IS ISSUED:  
 FOR REFERENCE  
 FOR REVIEW / APPROVAL  
 FOR BID  
 FOR CONSTRUCTION  
 AS-BUILT  
 OPERATIONS APPROVED

COMPANY	BUCKEYE PARTNERS, LP
OPERATION	
DATE	
SCALE	AS SHOWN
DRAWN	
CHECKED	
APP'D	
DATE	

FACILITY	HAMDEN TERMINAL
STRUCTURAL	
DETAILS / DRAWINGS	
ROCK RIP-RAP PARTIAL PLAN 1+50-3+04	
HAMDEN, CT	
DWG. NO.	RR-3



1 STATION 0+00 SCALE: H:1"=25' ; V:1"=2.5'  
 2 STATION 0+50 SCALE: H:1"=25' ; V:1"=2.5'  
 3 STATION 1+00 SCALE: H:1"=25' ; V:1"=2.5'  
 4 STATION 1+50 SCALE: H:1"=25' ; V:1"=2.5'

**CAUTION**  
 WHEN DRAWING IS NOT PLOTTED FULL-SIZE (24"x36"), USE GRAPHIC SCALE(S) ACCORDINGLY.

CJL = CT DEEP COASTAL JURISDICTION LINE  
 MHW = MEAN HIGH WATER ELEVATION  
 MLW = MEAN LOW WATER ELEVATION  
 FOR PERMIT PURPOSE ONLY  
 NOT FOR CONSTRUCTION



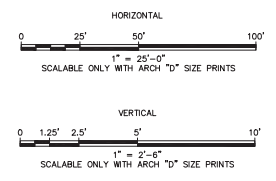
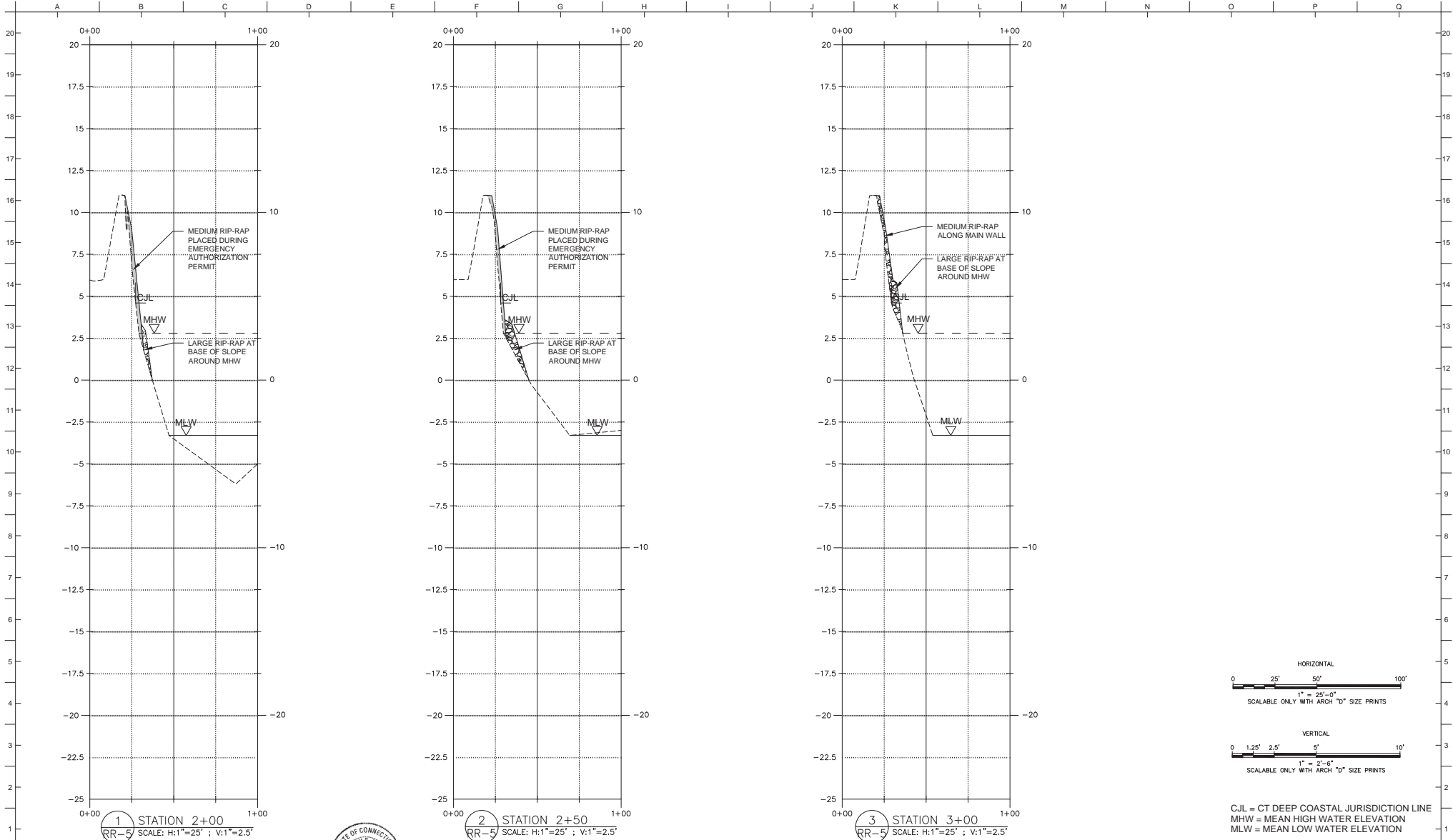
REV #	DESCRIPTION	DWN	CHK	APP	DATE
1	REVISED IFP	DV	IDR	JSB	6/7/24
0	IFP	IDR	IDR	JSB	12/8/23

NO.	DESCRIPTION	BY DATE	APP'D DATE

<b>NOTICE</b> <input type="checkbox"/> FOR REFERENCE <input type="checkbox"/> FOR REVIEW / APPROVAL <input type="checkbox"/> FOR BID <input type="checkbox"/> FOR CONSTRUCTION <input type="checkbox"/> AS-BUILT <input type="checkbox"/> OPERATIONS APPROVED	THIS DRAWING IS ISSUED: OPERATION:	COMPANY: BUCKEYE PARTNERS, LP FACILITY:
	ASB NO:	DATE:
	SCALE: AS SHOWN	DRAWN:
	CDD DATE:	CHECKED:
DESIGNED:	APP'D:	DWG. NO.:
DRAWN:	OPS APP'D:	COMPANY CODE:
CHECKED:	DATE:	LOCATION CODE:
APP'D:	DATE:	DRAWING TITLE:
DATE:	DATE:	SHEET NO.:

HAMDEN - TERMINAL  
 STRUCTURAL  
 DETAILS / DRAWINGS  
 ROCK RIP-RAP SECTIONS 0+00-1+50  
 HAMDEN, CT  
 - RR-4





CJL = CT DEEP COASTAL JURISDICTION LINE  
 MHW = MEAN HIGH WATER ELEVATION  
 MLW = MEAN LOW WATER ELEVATION

1 STATION 2+00  
 RR-5 SCALE: H:1"=25' ; V:1"=2.5'

2 STATION 2+50  
 RR-5 SCALE: H:1"=25' ; V:1"=2.5'

3 STATION 3+00  
 RR-5 SCALE: H:1"=25' ; V:1"=2.5'

**CAUTION**  
 WHEN DRAWING IS NOT  
 PLOTTED FULL-SIZE (24"x36"),  
 USE GRAPHIC SCALE(S)  
 ACCORDINGLY.

Digitally signed by  
 Joseph Burke  
 DN: cn=Joseph Burke,  
 o=SPEC CONSULTING, LLC,  
 ou=SPEC, email=jburke@specllc.com,  
 c=US  
 Date: 2024.06.11 11:29:47  
 -0400

**Joseph Burke**  
 PROFESSIONAL ENGINEER

FOR PERMIT PURPOSE ONLY  
 NOT FOR CONSTRUCTION



**SPEC**  
 CONSULTING, LLC  
 349 NORTHERN BOULEVARD  
 JEREMY, NY 12094  
 PHONE: 518.487.4800  
 FAX: 518.488.8927

REV #	DESCRIPTION	DWN	CHK	APP	DATE
1	REVISED I/P	DV	IDR	JSB	6/7/24
0	I/P	IDR	IDR	JSB	12/8/23

**NOTICE** THIS DRAWING IS ISSUED:

FOR REFERENCE  
 FOR REVIEW / APPROVAL  
 FOR BID  
 FOR CONSTRUCTION  
 AS-BUILT  
 OPERATIONS APPROVED

COMPANY: BUCKEYE PARTNERS, LP		FACILITY: HAMDEN - TERMINAL	
OPERATION: STRUCTURAL DETAILS / DRAWINGS			
ROCK RIP-RAP SECTIONS 2+00 - 3+00			
HAMDEN, CT			
DATE: AS SHOWN	DRAWN:	CHECKED:	APP'D:
ISSUED:	OPERATIONS APPROVED:	DWG. NO. RR-5	


COMPANY CODE: -	LOCATION CODE: -	DRAWING TITLE: RR-5	SUBJECT:
-----------------	------------------	---------------------	----------

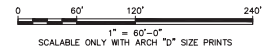




FOR PERMIT PURPOSE ONLY  
NOT FOR CONSTRUCTION

1 REGULATORY JURISDICTION SITE PLAN  
RJSP-1 SCALE: 1"=60'-0"

**LEGEND**  
 EXISTING INFRASTRUCTURE BELOW CJL WHICH IS TO REMAIN



**CAUTION**  
WHEN DRAWING IS NOT PLOTTED FULL-SIZE (24"x36"), USE GRAPHIC SCALE(S) ACCORDINGLY.

**Joseph Burke**  
 Digitally signed by Joseph Burke  
 DN: cn=Joseph Burke, o=SPEC Consulting, LLC, email=jburke@spec.com, c=US  
 Date: 2024.06.11 10:28:40-0500



**SPEC**  
 CONSULTING, LLP  
 349 NORTHERN BOULEVARD  
 ALBANY, NY 12004  
 PHONE: 518.487.4600  
 FAX: 518.488.9527

REV #	DESCRIPTION	DWN	CHK	APP	DATE
1	REVISED I/P	DV	IDR	JSB	6/7/24
0	I/P	IDR	JSB	12/8/23	

REV #	DESCRIPTION	DWN	CHK	APP	DATE

**NOTICE**  
 FOR REFERENCE  
 FOR REVIEW / APPROVAL  
 FOR BID  
 FOR CONSTRUCTION  
 AS-BUILT  
 OPERATIONS APPROVED

THIS DRAWING IS ISSUED:		COMPANY	FACILITY
OPERATION:		BUCKEYE PARTNERS, LP	HAMDEN TERMINAL
DATE:			
SCALE:	AS SHOWN		
DATE:			
APP'D:			
DATE:			

COMPANY CODE	LOCATION CODE	DRAWING TITLE	SUBJECT
-	-	REGULATORY JURISDICTION SITE PLAN	HAMDEN, CT
			<b>-RJSP-1</b>

**Land Record Filing\***

**To:** DO NOT FILE

**Signature and**

**NOTE: Due to the electronic delivery of this license and the legal requirement to have a live signature on this document, the “Land Record Filing” as detailed in General Condition #1 will be sent to the Licensee via U.S. Mail for the Licensee to file with the city/town clerk.**

**Date:**

**Subject:** \_\_\_\_\_  
License # \_\_\_\_\_

If you have any questions pertaining to this matter, please contact the Land & Water Resources Division at 860-424-3019.

~~Return to:~~

~~Land & Water Resources Division  
State of Connecticut  
Department of Energy & Environmental Protection  
79 Elm Street  
Hartford, CT 06106-5127~~

\*The Licensee shall file the Land Record Filing on the land records of the municipality in which the subject property is located not later than thirty (30) days after license issuance pursuant to Connecticut General Statutes (CGS) Section 22a-363g. A copy of the Notice with a stamp or other such proof of filing with the municipality shall be submitted to the Commissioner no later than sixty (60) days after license issuance.



**LWRD Work Commencement Form**

**To:** [DEEP.LWRDRegulatory@ct.gov](mailto:DEEP.LWRDRegulatory@ct.gov) or  
Regulatory Section  
Department of Energy and Environmental Protection  
Land & Water Resources Division  
79 Elm Street  
Hartford, CT 06106-5127

**Licensee Name:** \_\_\_\_\_  
**Municipality in which the project is occurring:** \_\_\_\_\_  
**DEEP License No(s):** \_\_\_\_\_

**CONTRACTOR(s):**

# 1 Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
E-mail: \_\_\_\_\_

# 2 Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
E-mail: \_\_\_\_\_

# 3 Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
E-mail: \_\_\_\_\_

Date Contractor(s) received a copy  
of the license and approved plans: \_\_\_\_\_

EXPECTED DATE OF COMMENCEMENT OF WORK: \_\_\_\_\_

EXPECTED DATE OF COMPLETION OF WORK: \_\_\_\_\_

LICENSEE: \_\_\_\_\_  
(Signature) (Date)



## Compliance Certification Form

The following certification must be signed by the licensee working in consultation with a Connecticut-licensed design professional and must be submitted to the address indicated at the end of this form within ninety (90) days of completion of the authorized work.

1. Licensee Name: _____ DEEP License Number(s): _____ Municipality in which project is occurring: _____	
2. <b>Check one:</b> (a) <input type="checkbox"/> "I certify that the final site conditions and / or structures are in general conformance with the approved site plans". Identify and describe any deviations and attach to this form. (b) <input type="checkbox"/> "The final site conditions and / or structures are not in general conformance with the approved site plans. The enclosed "as-built" plans note the modifications".	
3. "I understand that any false statement in this certification is punishable as a criminal offence under section 53a-157b of the General Statutes and under any other applicable law."	
_____ Signature of Licensee	_____ Date
_____ Name of Licensee (print or type)	
_____ Signature of CT-Licensed Design Professional	_____ Date
_____ Name of CT-Licensed Design Professional (print or type)	
_____ Professional License Number (if applicable)	Affix Stamp Here
<ul style="list-style-type: none"> <li>As-built plans shall include: elevations or tidal datums, as applicable, and structures, including any proposed elevation views and cross sections included in the approved license plans. Such as-built plans shall be the original ones and be signed and sealed by an engineer, surveyor or architect, as applicable, who is licensed in the State of Connecticut.</li> <li>The Licensee will be notified by staff of the Land and Water Resources Division (LWRD) if further compliance review is necessary. Lack of response by LWRD staff does not imply compliance.</li> </ul> <p>Submit this completed form to :  <a href="mailto:DEEP.LWRDRegulatory@ct.gov">DEEP.LWRDRegulatory@ct.gov</a> or  <b>Regulatory Section</b>  <b>Department of Energy and Environmental Protection</b>  <b>Land &amp; Water Resources Division</b>  <b>79 Elm Street</b>  <b>Hartford, CT 06106-5127</b></p>	