# ADDENDUM 4

# Bid #2023-24: 267 CANAL STREET REMEDIATION

# CITY OF SHELTON

# PURCHASING DEPARTMENT

# BIDDING QUESTIONS & ANSWERS

3/3/2023 - It is intended that this Addendum incorporating the following corrections, revisions, additions, deletions and / or clarifications become part of the Contract Documents, including pricing as submitted.

**Additional Information:**

**Question and Answers**

**Can we provide an alternate solution to dispose of all concrete slabs and foundations?**

*The current plan is to scarify/dispose of concrete and remove/dispose of concrete piles as shown on drawing C-203. There are currently no plans to remove foundations or clean concrete slabs. The City is open to alternate solutions regarding removal of concrete in lieu of scarification if bidders wish to propose.*

**Is all of the brick along the riverbank considered to be contaminated and require removal & disposal?**

*Site remediation is only required within the site boundaries.*

**Is there a stone or concrete bottom to the channels?**

*We assume the channels have a stone or concrete bottom however there is no specific information to guarantee the channels are constructed in this manner.*

**Can we install a coffer dam?**

*Yes, this will likely require permitting due to work on the river. Tighe & Bond is working with City to identify certain permitting requirements for the project.*

**Can we remove part of the concrete cap to provide easier access to the raceway exposed to the river?**

*The preference would be not to remove any portion of the raceway and the actual construction of the top, whether there is an actual cap or not is not known for any portion of the raceways that are currently not visible at the ground surface.*

**In place of scarifying the concrete floor, can the concrete be removed and disposed of?**

*Bidders may provide an alternate solution/option.*

**Can the brick foundation walls (above ground) be removed?**

*Removal of foundation walls is not anticipated for the project therefore they should not be removed.*

**Please clarify whether transportation and disposal of waste materials on this project are excluded from the CT state sales tax.**

*Transportation and disposal of waste materials on this project are excluded from the CT state sales tax.*

**Please provide a list of attendees present at the site visit.**

*The list of attendees list was provided by the City's Purchasing Department but has been enclosed again in response to this question.*

**On drawing C-101, arrows are pointing to four different locations for Bid Item #8, Remove Vaults, sumps and/or pits including contents. Two of the arrows point to 2 Storm MH, but the other two arrows do not appear to point to any specific structure.**

*Additional information has been added to and included on the enclosed drawing C-101.*

- **Please clarify if there are any other structures to be removed as part of this item. Since this item is to be paid as a lump sum item, the Contractor needs to be able to evaluate the extent of the work to be included for this item.**
- **We would like to respectfully request that any other structure/vaults not clearly marked for removal be considered a change in the scope of work and be compensated as such if and when such structure is discovered once the Contractor is onsite.**

*This will be considered during the course of the project. Unknown items will be discussed and negotiated via change order as needed.*

- **Please provide information on size and depth of the 2 storm manholes shown to be removed.**

*Additional information has been added to and included on the enclosed drawing C-101. However, information on the actual size and depths of the features is not known.*

**On drawing C-203, an arrow points to a large area for Bid item #7, Clean Concrete via Scarification.**

- **Please provide specifications on the concrete scarification to be performed under this item so the Contractors can evaluate the work and bid this item accordingly since this pay item will be paid for by SF for concrete remediation removal and disposal.**
- **It was mentioned during the site visit that the concrete should be scarified to a thickness of ½". Please confirm that the Contractor is to scarify the concrete to that thickness.**

*Correct, concrete scarification should be conducted to ½ inch.*

**Bid item 12 calls for excavation of petroleum and metal impacted sediment from raceways per cubic yard (based on estimated 800 CY on bid form).**

- **Can drawings (showing height and width) of existing tunnel raceways be provided so we can determine the kind of equipment that will fit inside the tunnels to perform the excavation work for the sections of raceways that are within tunnels?**

  *Drawings included in the bidding documents include topographic survey information and spot elevation data by Perreira Engineering, LLC.*

- **Will it be possible for the Contractor to remove sections of the roof of the existing tunnels to gain access to perform the work in a safe manner?**

  *The preference would be not to remove any portion of the raceway.*

- **Is the depth from the existing ground to the roof of the tunnel currently know?**

  *Drawings included in the bidding documents include topographic survey information and spot elevation data by Perreira Engineering, LLC.*

- **Have these tunnels been surveyed via video camera and if so, can the footage be made available to the Contractors for review and bidding purposes?**

  *Raceways/tunnels have not been surveyed via video camera.*

**A turbidity curtain is shown to be installed along the river. Please provide a detail or specifications if a specific turbidity curtain is to be used, so the Contractor can include the right one.**

*Drawing C-302 Soil Erosion and Sedimentation Control Notes and Details has been updated and enclosed.*

**Drawing C-301 shows an area with the proposed Erosion Control Blanket.**

- **Please provide a specification for the erosion control blanket to be used so the Contractor can price this material accordingly.**

  *Disregard the erosion control blanket. It will not be required for the project.*

- **Is the Contractor expected to seed the area that will be covered by erosion control blanket?**

  *Disregard the erosion control blanket. It will not be required for the project.*

**Specification section 01570 - Temporary Controls, Item 3.5 Odor Control, states the following: A. Contractor to have on hand odor suppressant to be utilized as needed during Work to minimize nuisance petroleum odors. If requested by the Engineer, Contractor will apply odor suppressant in accordance with manufacturers specifications within 30 minutes of Engineers request.**

- **Please clarify under which pay item this will get paid for.**

  *Disregard this item. It will not be required for the project.*

- **Please clarify how the Contractor will get paid to have odor suppressant on hand and for the actual total quantity of application.**

  *Disregard this item. It will not be required for the project.*

**The whole Site appears to have building debris, concrete debris, soils, sediment, etc., all mixed over all areas.**

- **Is the Contractor expected to create stockpiles of debris, concrete, and soils all together for others to test and determine disposal facilities?**

  *Yes, these materials will need to be consolidated and stockpiled. Tighe & Bond will conduct additional waste characterization sampling as needed and furnish data to the contractor. Contractor is responsible for securing approvals for transportation and disposal of these materials at a licensed disposal facility. Refer to specifications in Division 2.*

- **What will be the turnaround time to get testing results for each of the stockpiles before we can proceed with off-site disposal?**

  *Waste characterization sampling will be conducted on a 5 to 7 business day turnaround time.*

**In areas where debris is over existing soil, how deep is the Contractor supposed to excavate into the soil during the process of removing debris from these areas? Is the Contractor supposed to remove 6" of soil or more?**

- **Specification Section 13281 Asbestos Abatement included in the bid documents mentions the following: PROJECT DESCRIPTION - A. The scope of work to be performed includes, but not limited to, the proper removal, handling, and disposal of ACM proposed to be by the demolition activities during the Project at the Site. Refer to Table 13281 for base bid asbestos-containing materials scheduled to be removed.**

  *No demolition is required for the project. ACM may be present in residual building debris present on the site.*

- **Please provide Table 13281 for the Contractor to evaluate the work to be performed.**

  *No demolition is required for the project. ACM may be present in residual building debris present on the site.*

- **Please provide the bid item under which this work is to be completed and paid for.**

  *Bid item 4.*

**Phase II_III ESA Former Star Pin Facility 267 Canal Street document provided as part of Addendum 3 mentions the following: Page 3-3. Section 3, 3.2.2 2020 Fire and Building Demolition "From October 26, 2020 to April 27, 2021 EPA conducted cleanup activities at the Site that resulted in the removal and off-site disposal of 8,825 tons of asbestos contaminated building debris. EPA collected 15 surface soil samples for asbestos analysis from areas of the Site where asbestos contaminated materials were piled during load out. Results for the surface soil samples indicated that asbestos was not present above 1% and therefore, no additional removal of material from these areas was necessary. Prior to EPA's demobilization from the Site, a permanent 6-foot-high chain link fence was erected around the perimeter of the Site."**

- **Based on this report, please clarify if the Project anticipates the presence of asbestos on this site?**

*Residual building debris may contain asbestos. As such handling/disposal of these materials should anticipate the presence of asbestos.*

**Number One. Who is responsible for the compaction testing the owner or contractor?**

*Contractor is responsible for compaction testing.*

**Number Two. Drawing C-302 shows a erosion control blanket but I do not see anywhere on the drawings it going please explain'**

*Disregard the erosion control blanket. It will not be required for the project.*

**Number Three. Under item #8 it says to remove any unknown item that may be in the pit or vault. My question is are these included in the other various line item or is this something nobody knows about and how do we get paid for this unknown?**

*Additional information has been added to and included on the enclosed drawing C-101 regarding reported/known features. Unknown items identified will be discussed and negotiated via change order as needed.*

**Number Four. Can you tell me in item 4 all the various type of material you consider building material? Is this also dirt? And if yes how do we know how far we are going?**

*Residual building materials may include but may not be limited to brick, concrete, wood both painted and unpainted, metal, glass, ashy materials. These materials are located throughout the site and in some areas also comingled with surface soils. Efforts necessary to minimize the amount of soil generated should be taken. Removal of debris should be removed from the surface or as needed where debris are observed to be deeper. Engineer will direct contractor as part of debris removal activities.*

**Transportation and disposal of hazardous petroleum and metal impacted soil, per ton, the price of:**

**Transportation and disposal of hazardous petroleum and metal impacted sediment, per ton, the price of:**

**Please confirm what the material under these bid items would be hazardous for?**

*Hazardous constituents may include petroleum compounds or metals. Site characterization data and waste characterization soil and sediment sampling laboratory data were provided in Addendum 1. It is anticipated that additional waste characterization of soil and sediment will be necessary throughout the project.*

Please acknowledge receipt of this addendum by signing and submitting this form with your sealed bid to the City. The city does not accept emailed, scanned or faxed forms.

Company_____ Date_____

Signature _____

Printed Name _____

**267 Canal Street Shelton Remediation**
**Mandatory Pre-Bid Meeting**
**2/14/2023**

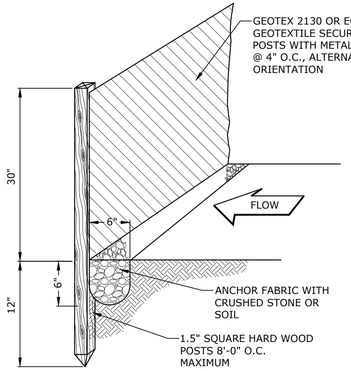
| Name | Organization | Title | Phone | Email |
|---|---|---|---|---|
| Jay Fiorze | Manafort | Super | 860 782-2612 | JFiorze@manafort.com |
| Derek Canestral | Suchocki | Manager | 8605010015 | Derek@suchockiandson.com |
| Tom Finnucan | ACV Environmental | Manager | 203 395-1364 | TFinnucan@ACVEnviro.com |
| Strati Patikis | Bestech | Estimate | 866-308-45415 | S.Patikis@bestched.com |
| Robert Rein | EnviroConsultants | VP | 2037028833 | RREIN@enviroCT.com |
| Mike Kaetzer | Enviroconsultants | Project Manager | (203)702-8833 | MKAETZER@ENVIROCT.COM |
| Larry Kut | Standard work | VP | 2338083 | estimators@demolitionservices.com |
| John Cuscovitch | RED Tech LLC | Project Manager | 860-212-9281 | JCuscovitch@redtechLLC.com |
| Bennet Perry | RED Tech LLC | APM | 8606654767 | bperry@redtechllc.com |
| Ryan Gadoury | SES | PM | 508-612-2339 | rgadoury@strategic-es.com |
| Max Sherman | Charter | PM | 857-337-0490 | msherman@charter.us |
| Zach Alexander | Charter | Project Engineer | 857-278-0136 | zalexander@charter.us |
| Vaughan Gaither | News LLC | PM | 8609827433 | Info@NewsLLC.net |
| Todd Weldon | Cosro LLC | PM | 203 804 3180 | TWeldon@CosroENV.com |

## SOIL EROSION AND SEDIMENT CONTROL NARRATIVE:

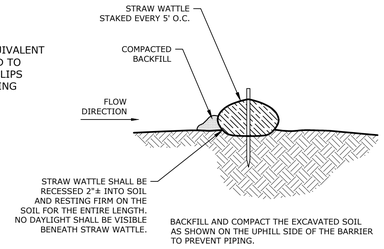
SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL CONFORM TO THE STANDARDS OUTLINED IN THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION (CTDEEP), "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION.

## CONSTRUCTION SEQUENCE

1. FLAG THE LIMITS OF WORK.
2. INSTALL THE CONSTRUCTION ENTRANCE.
3. INSTALL PERIMETER EROSION AND SEDIMENT CONTROLS AND TREE PROTECTION DEVICES IN ACCORDANCE WITH THE SESC PLAN.
4. CUT TREES WITHIN THE DEFINED CLEARING LIMITS AND REMOVE CUT WOOD. CHIP BRUSH AND SLASH, STOCKPILE CHIPS FOR FUTURE USE OR REMOVE OFF SITE.
5. ESTABLISH CONTRACTOR'S STAGING AREA.
6. REMOVE AND/OR ABANDON SURFACE FEATURES AND UTILITIES AS IDENTIFIED IN THE CONTRACT DOCUMENTS.
7. COMPLETE DEMOLITION, SOIL REMEDIATION, BACKFILL, COMPACT, AND RESTORE GRADES.
8. COMPACT SUBGRADE, INSTALL PROCESSED AGGREGATE BASE IN PREPARATION FOR PAVING.
9. AFTER SITE IS STABILIZED REMOVE TEMPORARY EROSION AND SEDIMENT CONTROLS (E.G. GEOTEXTILE SILT FENCES).



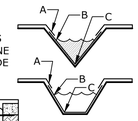

**SILT FENCE**
NO SCALE

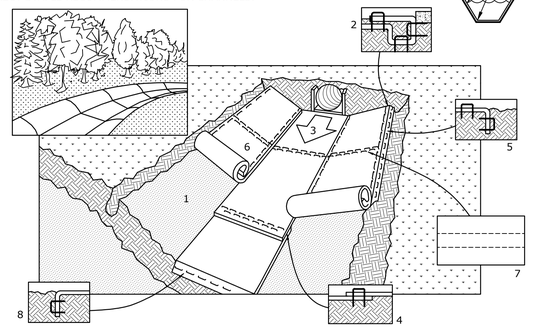



**STRAW WATTLE BARRIER**
NO SCALE

NOTE:
HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE REFER TO GENERAL STAPLE PATTERN GUIDE FOR CORRECT STAPLE RECOMMENDATIONS FOR CHANNELS.

CRITICAL POINTS
A. OVERLAPS AND SEAMS
B. PROJECTED WATER LINE
C. CHANNEL BOTTOM/SIDE SLOPE VERTICES



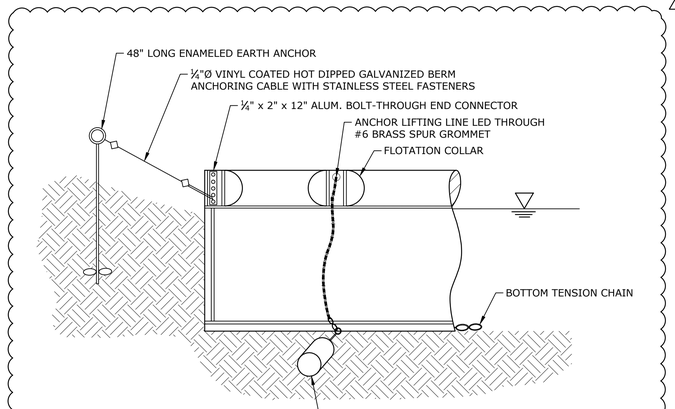




NOTES:

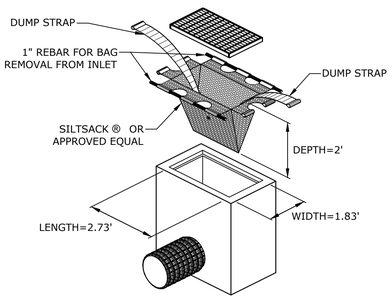
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE CHANNEL BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL CENTER BLANKET IN DIRECTION OF WATER FLOW ON BOTTOM OF CHANNEL.
4. PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH A 6" OVERLAP. USE A DOUBLE ROW OF STAGGERED STAPLES 4" APART TO SECURE BLANKETS.
5. FULL LENGTH EDGE OF BLANKETS AT TOP OF SIDE SLOPES MUST BE ANCHORED IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
6. BLANKETS ON SIDE SLOPES MUST BE OVERLAPPED 4" OVER THE CENTER BLANKET AND STAPLED.
7. IN HIGH FLOW CHANNEL APPLICATIONS, A STAPLE CHECK SLOT IS RECOMMENDED AT 30 TO 40 FOOT INTERVALS. USE A ROW OF STAPLES 4' APART OVER THE ENTIRE WIDTH OF THE CHANNEL. PLACE A SECOND ROW 4" BELOW THE FIRST ROW IN A STAGGERED PATTERN.
8. TERMINAL END OF THE BLANKETS MUST BE ANCHORED IN A 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.

**EROSION CONTROL BLANKET INSTALLATION**
NO SCALE

1

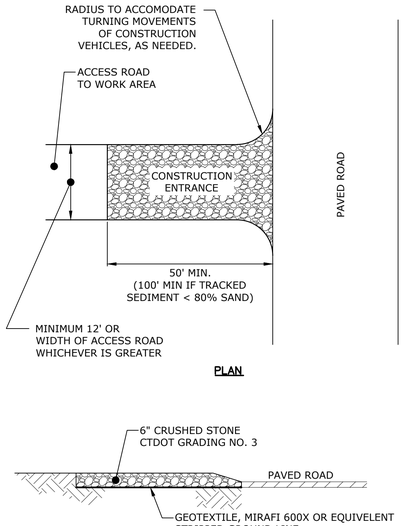



**STANDARD TURBIDITY CURTAIN ANCHORING DETAIL**
NO SCALE




SILTSACK MANUFACTURED BY:
ACF ENFIRONMENTAL
2831 CARDWELL ROAD
RICHMOND, VIRGINIA 23237

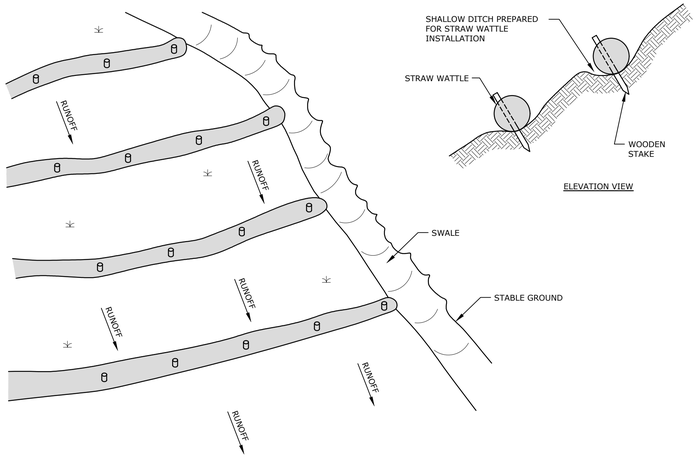
**SILTSACK®**
NO SCALE



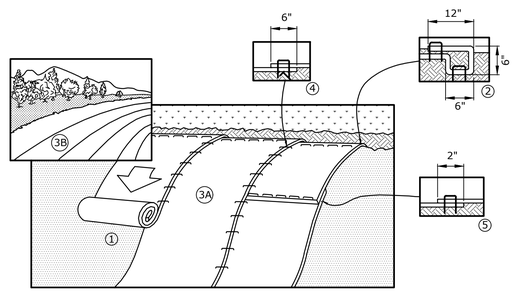

PLAN

ELEVATION

**CONSTRUCTION ENTRANCE**
NO SCALE




STRAW WATTLE
NO SCALE

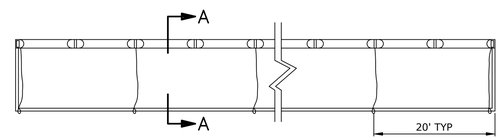



NOTES:

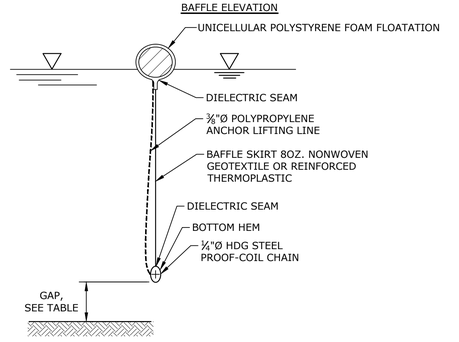
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE, 36" OVER THE GRADE BREAK, BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UPSLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES SPACED 12" APART ACROSS THE WIDTH OF THE BLANKET.
3. ROLL THE BLANKETS DOWN THE SLOPE. ALL BLANKETS MUST BE SECURELY FASTENED TO THE SOIL SURFACE BY PLACING STAPLES IN APPROPRIATE LOCATIONS AS SHOWN ON THE STAPLE PATTERN GUIDE.
4. STAPLE LENGTHS SHALL BE A MINIMUM OF 8 INCHES.

**EROSION CONTROL BLANKET FOR SLOPE PROTECTION**
NO SCALE

1




BAFFLE ELEVATION




SECTION A-A

NOTES:
1. TURBIDITY CURTAIN BY ENVIRONETICS, INC. OR APPROVED EQUAL. (LOCKPORT, IL 815.838.8331)
2. TURBIDITY CURTAIN SHALL NOT BE EXTENDED ACROSS CHANNEL FLOWS.
3. TURBIDITY CURTAIN MATERIAL SHALL BE ULTRAVIOLET LIGHT RESISTANT.

| TYPE | DESCRIPTION | CONDITIONS | GAP (IN.) |
|---|---|---|---|
| IV | HEAVYWEIGHT | CALM AND PROTECTED | 0 |

**TURBIDITY CURTAIN DETAIL**
NO SCALE

Tighe&Bond

THIS DOCUMENT IS INCOMPLETE AND IS RELEASED TEMPORARILY FOR PROGRESS REVIEW ONLY. IT IS NOT INTENDED FOR BIDDING OR CONSTRUCTION PURPOSES.

# Former Star Pin Facility 267 Canal Street

Shelton, CT

| MARK | DATE | DESCRIPTION |
|---|---|---|
| 1 | 3/2/2023 | RFI 001 |

| | |
|---|---|
| PROJECT NO: | S-5026-012 |
| DATE: | 10/14/2022 |
| FILE: | S5036-012-C-300-SESC.dwg |
| DRAWN BY: | EG |
| CHECKED: | NAG |
| APPROVED: | JTO |

SOIL EROSION AND SEDIMENTATION CONTROL NOTES AND DETAILS

SCALE: NO SCALE

C-302

Last Saved: 3/2/2023
Plotted On: Mar 02, 2023 - 11:18am By: CSCher
Tighe & Bond J:\S\S5036 - City of Shelton\012 Remedial Planning and Design Services\Bidding and Specs\Bid Docs\Drawings\Sheets\S5036-012-C-300-SESC.dwg

**EXISTING CONDITIONS AND DEMOLITION PLAN NOTES:**

1. EXISTING CONDITIONS BASED ON PROPERTY AND TOPOGRAPHY SURVEY OF PROPERTY LOCATED AT 267 CANAL STREET SHELTON, CONNECTICUT, PERREIRA ENGINEERING, LLC, PREPARED FOR CITY OF SHELTON, DATED NOVEMBER 16, 2021.
2. PRIOR TO THE START OF CONSTRUCTION THE CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" (800-922-4455) AND SHALL ALSO CONTACT A PRIVATE UTILITY MARKING COMPANY FOR FIELD LOCATING AND CLEAR MARKING OF EXISTING UNDERGROUND UTILITIES BEFORE PROCEEDING WITH ANY EXCAVATION WORK.
3. THE LOCATION OF ALL UTILITIES SHOWN MAY BE INCOMPLETE. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES BEFORE THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION ACTIVITIES OF THE WORK SHALL BE REPAIRED AND PAID FOR BY THE CONTRACTOR.
4. THE OWNERS REPRESENTATIVE SHALL BE NOTIFIED PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
5. CONTRACTOR MAY UTILIZE EXISTING FENCING BUT IS RESPONSIBLE FOR SECURING AND MAINTAINING FENCING THROUGH THE DURATION OF THE PROJECT.
6. ALL DISTURBED AREAS ARE ANTICIPATED TO BE COVERED BY PAVEMENT.
7. CONTRACTOR SHALL STAKE OUT THE LOCATION OF PROPOSED IMPROVEMENTS AND ALTERATIONS FOR APPROVAL BY THE OWNERS REPRESENTATIVE PRIOR TO INSTALLATION.
8. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FROM THE TOWN OF PORTLAND AND ANY OTHER AGENCIES WHICH HAVE JURISDICTION OF THE WORK.
9. SEE SHEET C-201 FOR SOIL EXCAVATION INFORMATION, C-202 FOR SEDIMENT EXCAVATION, AND C-203 FOR CONCRETE REMOVAL/REMEDIATION.
10. INSTALL EROSION AND SEDIMENTATION CONTROLS IN ACCORDANCE WITH SPECIFICATIONS AND DRAWINGS PRIOR TO INITIATING WORK.
11. CONTRACTOR TO REMOVE REMNANT AST, DRUMS, AND CONTAINERS FOR PROPER OFF-SITE DISPOSAL.
12. SEE SHEET C-300 FOR SEDIMENTATION AND EROSION CONTROL TO BE IN PLACE PRIOR TO ANY DEMOLITION OR EXCAVATION WORK.

13. The site contains subsurface raceways and tunnels, and open channels, which must be preserved. Contractor shall not comprise, modify, deconstruct or demolish these features in any way.

A - Manhole adjacent to reported 600 gallon gasoline vaulted UST

B - In-ground vault and steel tank (uses undetermined). This area is currently covered by a concrete slab.

C - Vault identified in loading dock by others.

D - Former Pump House and manhole to in ground vault.


0 20' 40'

SCALE: 1" = 20'

Tighe&Bond

THIS DOCUMENT IS INCOMPLETE AND IS RELEASED TEMPORARILY FOR PROGRESS REVIEW ONLY. IT IS NOT INTENDED FOR BIDDING OR CONSTRUCTION PURPOSES.

# Former Star Pin Facility 267 Canal Street

Shelton, CT

| MARK | DATE | DESCRIPTION |
|---|---|---|

| | |
|---|---|
| PROJECT NO: | S-5026-012 |
| DATE: | 10/14/2022 |
| FILE: | S5036-012-C-100-EXCN.dwg |
| DRAWN BY: | EG |
| CHECKED: | NAG |
| APPROVED: | JTO |

EXISTING CONDITIONS AND DEMOLITION PLAN

SCALE: 1" = 20'

C-101

Last Saved: 10/14/2022
Plotted On:Oct 14, 2022-1:48pm By: NMarchetti
Tighe & Bond J:\S5036 - City of Shelton\012 Remedial Planning and Design Services\Bidding and Specs\Bid Docs\Drawings\Sheets\S5036-012-C-100-EXCN.dwg