Environmental Checklist
Port of Seattle
Pier 86 Dock Stormwater Improvements

A. Background

1. Name of proposed project, if applicable: Pier 86 Dock Stormwater Improvements
2. Name of applicant: Louis Dreyfus Company Washington LLC (contact info below)

   Consultant: Maul Foster & Alongi, Inc. (contact: Andrew Kaparos, akaparos@maulfoster.com, 206-724-0614)

   Owner: Port of Seattle (contact: Paul Meyer, Meyer.P@portseattle.org, 206-787-3127)
3. Address and phone number of applicant and contact person:

   Louis Dreyfus Company Washington LLC
   955 Alaskan Way West, Seattle, Washington 98119-
   3630 Kevin McNab, Superintendent
   Telephone: (206) 284-4851 Email: kevin.mcnab@ldcom.com
4. Date checklist prepared: September 2016
5. Agency requesting checklist: Port of Seattle, Washington **– SEPA Number 16-10**
6. Proposed timing or schedule (including phasing, if applicable):

   Permitting phase: September 2016 through February 2017 (assumes six months for agency review)
   Design phase: Fall 2016 – Spring 2017

   Bid phase: Spring 2017

   Construction phase: July* through September 2017**

   * After July 16, consistent with the applicable in-water work window

   **The project must be completed by September 30, 2017 consistent with the Washington State Department of Ecology (Ecology) Industrial Stormwater General Permit
7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

   No.
8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

   A Stormwater Pollution and Prevention Plan (SWPPP) has been prepared for Louis Dreyfus Company Washington LLC.

   The upland infiltration trenches have a UIC permit through Ecology and have already been constructed and included in the SWPPP. The SWPPP will later be revised to include the dock modifications.

   A Biological Evaluation has been prepared as part of the Joint Aquatic Resources Permit Application (JARPA) Nationwide Permit (NWP) Number 43 (stormwater management facilities) submitted to the

   U.S. Army Corps of Engineers (USACE), Seattle.
9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

JARPA NWP Number 43 submitted to the USACE, City of Seattle Shoreline Development Permit City of Seattle Grading Permit

City of Seattle Plumbing Permit

10. List any government approvals or permits that will be needed for your proposal, if known.

JARPA NWP Number 43 – USACE
State Environmental Policy Act (SEPA) Checklist – Port of Seattle Grading,
Plumbing, and Shoreline Development Permits - City of Seattle

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. Several questions later in this checklist ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

This project includes modifications to the Port of Seattle Pier 86 shipping dock and access pier operated by Louis Dreyfus Company Washington LLC. An asphalt overlay will be placed onto the existing dock surface to slope the dock northeast toward a proposed dock stormwater collection and conveyance system. The existing grated dock walkway (approximately 1,500 square feet of steel grating along the southwest of the dock) will be covered/replaced with a solid surface (e.g., steel plating). This surface will be sloped northeast towards the dock stormwater collection and conveyance system.

The northeast edge of the dock will be equipped with a curb with grated inlet openings connected to a gravity conveyance pipe that will be secured to the northeast side of the dock. This pipe will convey stormwater to a pump station. The access pier surface gently slopes to the east side of the pier, which is curbed and includes scuppers that currently discharge stormwater to Elliott Bay. Runoff from the scuppers will be captured and routed into a gravity conveyance pipe that will be secured to the east side of the pier. This pipe will discharge stormwater into a pump station.

A pump station (i.e., a 5-foot diameter wet well with a pump, piping and controls) will be secured to the side of the dock to pump stormwater collected from the dock and pier via a force main into a settling tank located in the upland areas. The pre-treated stormwater will be discharged from the tank to an existing on- site (upland) infiltration system.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

Port of Seattle Pier 86 operated by the Louis Dreyfus Company Washington LLC located at 955 Alaskan Way West, Seattle, Washington 98119-3630. See preliminary design plans.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site
(circle one): Flat, rolling, hilly, steep slopes, mountainous,
other _____

The upland portion of the site is generally flat, graded towards the existing stormwater drainage and infiltration system. The adjacent Myrtle Edwards Park is generally flat, sloping towards Elliott Bay bulkhead. The access pier has a slight slope towards scuppers located along the east side of the pier and the shipping dock has a slight crown down the center of the dock.

b. What is the steepest slope on the site (approximate percent slope)?

Less than 1% slope of the dock and pier; and an approximate 13% (maximum) slope on the uplands.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

Silty sands to sandy silts and some gravel.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

According to City of Seattle Hazard Explorer map, the upland areas are within the liquefaction zone; however, Louis Dreyfus Company Washington LLC is not aware of any unstable soil areas on site or in the vicinity.

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

No in-water fill is proposed as part of this project and all of the proposed fill and structures will be located above the mean higher high water line.
Approximately 850 lineal feet of 8-inch and 6-inch piping will be installed adjacent to the existing dock and pier. Approximately 460 lineal feet of 4-inch pressure piping will be installed adjacent to the existing pier.

Approximately 1,500 cubic feet of asphalt will be placed over the existing shipping dock to slope the dock towards a stormwater collection and conveyance system located along the north side of the dock.
Approximately 1,500 square feet of solid steel plating will be installed over an existing grated walkway to collect and convey stormwater from the walkway to the dock collection and conveyance system.
A 5-foot diameter and 6-foot deep pump station wet well will be installed adjacent to the dock to pump stormwater from the dock and pier to the uplands areas.

An estimated 10,000-gallon polyethylene tank will be installed in the uplands areas to provide pretreatment for the dock and pier stormwater, prior to discharge to infiltration.
Approximately 120 lineal feet of trench (2 foot wide maximum) will be excavated in the upland area to install a new 4-inch diameter pressure pipe from the dock to the upland infiltration system.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

No erosion is anticipated as a result of this project. The majority of the work area consists of human-made structures, including the dock and pier. Approximately 120 lineal feet of trench will be excavated on stand the adjacent park space to install a pipe from the pump station to the on-site tank. Appropriate best management practices (BMPs) will be applied to control the potential for erosion during construction.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

No changes to existing impervious cover are anticipated in the uplands. The work includes covering 1,500 square feet of existing open grating on the dock with solid plate; therefore there will be 1,500 square feet of new impervious surface.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

Several BMPs will be used to reduce potential erosion. Details are provided on the attached plan set.

2. Air

a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and

give approximate quantities if known.

Short-term air emissions are expected to be limited to diesel and/or gasoline engine emissions from trucks and other equipment being used for construction work (e.g., pipe installation, minor excavation, backfilling, and asphalt grinding/milling and resurfacing). Dust suppression BMPs including but not limited to covering and wetting will be implemented during construction. After construction, air emissions are anticipated to be at ambient levels.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

Sources of emissions in the vicinity of the site include vehicular traffic and industrial and commercial operations and are not expected to affect the proposed project.

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

The contractor will be required to implement BMPs for erosion and sediment control during construction consistent with the Washington State Department of Ecology Stormwater Management Manual for Western Washington. These may include but are not limited to covering of stockpiles, use of sediment fences and sediment barriers (e.g., Erosion Eel or compost socks), and/or other similar measures.

3. Water

a. Surface Water:

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Yes. Elliott Bay of the Puget Sound is located south and west of the site and under/around the dock and pier.

The portion of Elliott Bay that is located in the vicinity of the project area is on the Washington State Department of Ecology 303(d) list of threatened and impaired waterbodies for the following parameters (and mediums):

Category 5 water: Polychlorinated Biphenyls (PCBs) (tissue) Category 1 water: 4,4'-dichlorodiphenyldichloroethane (DDD) (tissue) / Dichlorodiphenyldichloroethylene (DDE) (tissue) / dichlorodiphenyltrichloroethane (DDT) (tissue), Hexachlorobenzene (tissue), Mercury (tissue), Temperature (water)

2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

Yes, the project will require modifications to the dock and pier but no in-water structures or fill are proposed.

The project includes installation of a pump station (a 5-foot diameter, 6-foot deep wet well with pumps, piping and accessories) adjacent to the dock to pump stormwater collected from the dock and pier into a settling tank located in the upland areas.

An asphalt overlay will be placed onto the existing dock surface to slope the dock toward a proposed collection pipe that will be located along the side of the dock and discharge into the pump station.

The existing grated dock walkway (approximately 1,500 square feet of steel grating along the south side of the dock) will be covered or replaced with a solid surface (e.g., steel plating).

A stormwater collection pipe will also be installed along the side of the access pier and the existing pier scuppers will be retrofitted such that runoff draining to the scuppers will be

conveyed into the collection piping. See attached plan sheets.

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

None.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

No.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

The dock and pier are within Zone A of the special flood hazard area inundated by 100-year flood and no flood base elevations have been determined based on the Federal Emergency Management Agency (FEMA) flood insurance rate map 53033C04340F. The upland portion of the site is outside of the 500-year floodplain.

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No waste materials will be discharged to surface waters as a result of this project. The project was designed to divert stormwater that currently discharges to Elliott Bay and direct it to upland infiltration with the goal of improving water quality in Elliott Bay.

Ground Water:

7) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

No.

8) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals . . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

Not applicable

b. Water runoff (including stormwater):

1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

Stormwater from upland areas of the site currently infiltrates into the gravel surfaces or runs off the paved surfaces to catch basins that discharge to infiltration trenches. Only during extended periods of unusually high precipitation, the infiltration trench capacity may be exceeded, and a portion of the runoff may discharge to Elliott Bay.

Runoff from the dock and pier currently discharges into Elliott Bay via sheet flow off the dock or the pier scuppers. The proposed project will collect the dock and pier runoff and convey it to the upland infiltration trench.

2) Could waste materials enter ground or surface waters? If so, generally describe.

Potential discharges of waste material to surface water during the dock and pier construction activities could include leakage of construction equipment-related fluids (e.g., fuels, oil, grease, hydraulic fluids, and lubricants). The contractor will implement spill-prevention and spill-control BMPs to reduce and control potential discharges of leaks or spills to surface water during construction.

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

No. The proposed project only alters the drainage patterns of the dock and pier.

c. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:

The proposed site improvements were designed to improve drainage patterns and re-grade the dock surface to facilitate collection of the dock and pier runoff and conveyance to upland areas.

4. Plants

a. Check the types of vegetation found on the site:

____deciduous tree: alder, maple, aspen, other
_X_ evergreen tree: fir, cedar, pine, other
_X_ shrub
_X_ grass
____pasture
____crop or grain
_____Orchards, vineyards or other permanent crops.
_____wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
____water plants: water lily, eelgrass, milfoil, other
____other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

Some small amounts of grass may be removed during trench excavation to install the pipe in the upland park area. Vegetation will be restored to the original condition following construction.

c. List threatened and endangered species known to be on or near the site.

There are no listed plant species on or near the site.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

Only a small off-site (park) grassy area will be disturbed as part of the project when the pipe is installed across the park lawn and pathway. The lawn grass will be restored to match the surrounding park area.

e. List all noxious weeds and invasive species known to be on or near the site.
None

5. Animals

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site. Examples include:

Birds: hawk, heron, eagle, songbirds, other: Falcons, seagull, geese, ducks, pigeons
mammals: deer, bear, elk, beaver, other: Raccoons, rats, mice
fish: bass, salmon, trout, herring, shellfish, other _____

b. List any threatened and endangered species known to be on or near the site.

Yellow eye rockfish, steelhead, and killer whales are listed in the Puget Sound by the Washington Department of Fish and Wildlife (WDFW). However, no migration, spawning, rearing, breeding, or other key habitats are listed for these species in this area.

c. Is the site part of a migration route? If so, explain.

The site is not listed as a migration route by the WDFW.

d. Proposed measures to preserve or enhance wildlife, if any:

Work will occur during the established in-water work windows to minimize potential impacts to aquatic life and habitat

e. List any invasive animal species known to be on or near the site.

None observed.

6. Energy and natural resources

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

Electric motors will power the pump system.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

No.

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

Energy efficient motors, potentially including variable frequency drives.

7. Environmental health

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

Health and safety hazards associated with standard construction activities (e.g., risks of spills from construction equipment) could occur as a result of this project. The risk will be mitigated through the implementation of spill prevention and BMPs. No hazardous waste will be generated, transported or disposed of as a result of this project.

1) Describe any known or possible contamination at the site from present or past uses.
Hydraulic oil-range hydrocarbons were released to soil and groundwater from past rail operation, as reported to the Washington State Department of Ecology. The hydrocarbon-impacted soils and groundwater will not be affected by this project.

2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

None.

3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

None.

4) Describe special emergency services that might be required.

None.

5) Proposed measures to reduce or control environmental health hazards, if any: Spill-prevention and BMPs and applicable health and safety measures will be implemented during construction to reduce environmental health hazards associated with project implementation.

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

None.

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Short-term construction noise associated with construction equipment and activities will occur, but will be limited to workday hours.

3) Proposed measures to reduce or control noise impacts, if any:

Construction activities will be implemented consistent with the City of Seattle municipal code and noise standards, and will include limiting noise generating construction work to 7 AM to 6 PM.

8. Land and shoreline use

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

Louis Dreyfus Company Washington LLC currently operates a grain commodities business on site in which grain is unloaded from rail cars, temporarily stored in bins and loaded onto ocean vessels. Nearby land uses will not be affected.

b. Has the project site been used as working farmlands or working forestlands? If so, describe. How much agricultural or forestland of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forestland tax status will be converted to nonfarm or nonforest use?

No.

1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:

No.

c. Describe any structures on the site.

The on-site structures include a maintenance shop, rail unload shed, old truck dump shed, head house, existing dust collector building, grain silos, an office building, a security guard shack, and a dock and pier with a conveyor gallery superstructure running over-water to the dock.

d. Will any structures be demolished? If so, what?

No.

e. What is the current zoning classification of the site?

IC-45 (Industrial Commercial - 45).

f. What is the current comprehensive plan designation of the site?

Ballard-Interbay-Northend (Manufacturing Industrial).

g. If applicable, what is the current shoreline master program designation of the site?

CM - Conservancy Management, UG - Urban General, UI - Urban Industrial.

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

Critical area designations: Wildlife Preservation Area, Shoreline Habitat Buffer, Liquifaction Zone, Flood-prone. The upland portion of the site is part of the liquefaction zone.

i. Approximately how many people would reside or work in the completed project?

There will be no change in workforce as a result of this project. The workforce varies depending on workload: approximately 20 longshoremen, 11 supervisors, and 8 grain graders per shift.

j. Approximately how many people would the completed project displace?

None

k. Proposed measures to avoid or reduce displacement impacts, if any:

The project will not displace people.

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

Land use will not change as a result of this project.

m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forestlands of long-term commercial significance, if any:

There are no agricultural and forestlands near the project site.

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

This project does not include development of housing units.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

This project does not include development of housing units.

c. Proposed measures to reduce or control housing impacts, if any:

This project does not include development of housing units.

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

This project includes installation of a pump station wet well adjacent to the existing dock and pier structure. No new buildings or large structures are proposed.

b. What views in the immediate vicinity would be altered or obstructed?

None.

c. Proposed measures to reduce or control aesthetic impacts, if any:

No aesthetic impacts are expected as a result of this project and mitigation is not required.

11. Light and glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

This project will not alter the existing lighting system or glare.

b. Could light or glare from the finished project be a safety hazard or interfere with views?

This project will not alter the existing lighting system or glare.

c. What existing off-site sources of light or glare may affect your proposal?

This project will not alter the existing lighting system or glare or impact off-site light and glare.

d. Proposed measures to reduce or control light and glare impacts, if any:

This project will not alter the existing lighting system or glare.

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity?
Walking, hiking, biking, picnicking in Myrtle Edwards Park and boating and fishing in Elliott Bay.

b. Would the proposed project displace any existing recreational uses? If so, describe. No, there would only be temporary and minor impacts to the park visitors where the access pier meets the upland portion of the site. The rest of the park area will not be affected. No impacts to recreational activities in Elliott Bay are anticipated from this project.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

Contractor will schedule work to minimize disruption to park activities.

13. Historic and cultural preservation

a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers located on or near the site? If so, specifically describe.

No.

b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

No.

c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

This project includes improvements to existing structures and previously-developed lands and therefore is not expected to impact cultural and historic resources. The City of Seattle Department of Neighborhoods Historical Sites Database was reviewed. The National Register of Historic Places was reviewed.

d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to

resources. Please include plans for the above and any permits that may be required.

This project is not expected to impact cultural and historic resources.

14. Transportation

a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.

The closest main roads are Elliott Avenue West and the West Galer Street Flyover (towards the Magnolia Bridge). The upland facility is located on Alaskan Way West. There will be no changes to site access as a result of this project.

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

The site is not directly served by public transit. The nearest public transit station is a bus stop located on Elliott Avenue West. This is approximately 0.3 miles north of the site, over the West Galer Street Flyover.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

This project will not impact the number of parking spaces.

d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

No.

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

Yes. The project will require minor over-water construction activities on the shipping dock and pier. The construction will be scheduled around the shipping schedule. The project will not utilize adjacent roads to transport construction materials and labor.

f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?

This project is not expected to impact the number of vehicular trips per day to or from the site.

g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

No.

h. Proposed measures to reduce or control transportation impacts, if any:

This project is not expected to impact transportation routes or traffic.

15. Public services

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

No.

b. Proposed measures to reduce or control direct impacts on public services, if any.

Not applicable

16. Utilities

a. Circle utilities currently available at the site:
electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other _____

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

Electric power will be supplied to the proposed stormwater pump station. The proposed stormwater lines will be private and discharge to a private on-site infiltration system (no connection to public storm sewer).

C. Signature

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: _____

Name of signee: Bruce Chapin

Position and Agency/Organization: Vice President, Louis Dreyfus Company Washington LLC.

Date Submitted: 9/9/2016

Section I: Buildings

Type (Residential) or Principal Activity (Commercial)	# Units	Square Feet (in thousands of square feet)	Emissions Per Unit or Per Thousand Square Feet (MTCO2e) Embodied	Energy	Transportation	**Lifespan Emissions (MTCO2e)**
Single-Family Home	0		98	672	792	**0**
Multi-Family Unit in Large Building	0		33	357	766	**0**
Multi-Family Unit in Small Building	0		54	681	766	**0**
Mobile Home	0		41	475	709	**0**
Education		0.0	39	646	361	**0**
Food Sales		0.0	39	1,541	282	**0**
Food Service		0.0	39	1,994	561	**0**
Health Care Inpatient		0.0	39	1,938	582	**0**
Health Care Outpatient		0.0	39	737	571	**0**
Lodging		0.0	39	777	117	**0**
Retail (Other Than Mall)		0.0	39	577	247	**0**
Office		0.0	39	723	588	**0**
PublicAssembly		0.0	39	733	150	**0**
Public Order and Safety		0.0	39	899	374	**0**
Religious Worship		0.0	39	339	129	**0**
Service		0.0	39	599	266	**0**
Warehouse and Storage		0.0	39	352	181	**0**
Other		0.0	39	1,278	257	**0**
Vacant		0.0	39	162	47	**0**

Section II: Pavement

Pavement		15.26				**763**

Estimate includes asphalt overlay, grating cover, wet well, and pipe trenching

Total Project Emissions: **763**

PIER 86 STORMWATER SYSTEM IMPROVEMENTS

PREPARED FOR:

LOUIS DREYFUS COMPANY WASHNGTON LLC

PROJECT CONTACTS

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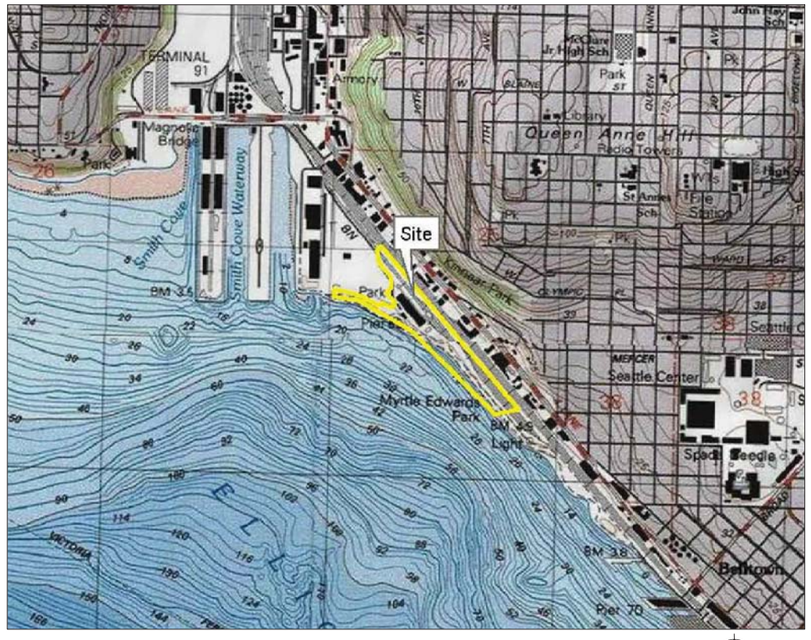
SURVEYOR	**AGENCY**
PACIFIC GEOMATIC SERVICES, INC 6608 216TH ST SW, SUITE 304 MOUNTLAKE TERRACE, WA 98043 P: 425-778-5620 JASON MACLEOD, LSIT JASONM@PACGEOINC.COM	U.S. ARMY CORPS OF ENGINEERS 4735 E. MARGINAL WAY SOUTH SEATTLE, WA 98134 P: 206-764-6883 DARREN HABEL, PE DARREN.HABEL@USACE.ARMY.MIL



VICINITY MAP

NOT TO SCALE

SHEET INDEX

GENERAL NOTES

1. PORT OF SEATTLE PIER 86, OPERATED BY LOUIS DREYFUS COMPANY WASHINGTON LLC
2. SITE ADDRESS: PIER 86 AT 955 ALASKAN WAY WEST, SEATTLE, WA 98119
3. PARCEL NUMBER 7666202055, 25.99 ACRES
4. LOCATED IN SEC. 25, T. 25N, R. 3E, W.M.
5. PROJECT CONSISTS OF IMPROVEMENTS TO THE SHIPPING DOCK AND ACCESS PIER TO COLLECT STORMWATER RUNOFF AND CONVEY IT TO UPLAND INFILTRATION FACILITIES. THESE IMPROVEMENTS INLCUDE MODIFICATIONS TO THE DOCK SURFACE TO ROUTE STORMWATER TO NEW COLLECTION PIPING, AS WELL AS THE INSTALLATION OF A PUMP STATION AND PRESSURE LINE TO PUMP STORMWATER TO UPLAND INFILTRATION TRENCHES.
6. SURVEY PERFORMED BY PACIFIC GEOMATIC SERVICES, INC. IN 2015.
7. HORIZONTAL DATUM: WASHINGTON STATE PLANE COORDINATE SYSTEM SOUTH ZONE, NAD 83/11. VERTICAL DATUM: NAVD 88
8. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS AND DEPTHS PRIOR TO CONSTRUCTION. A MINIMUM OF TWO FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL CALL 811 (UTILITY NOTIFICATION CENTER) FOR LOCATION MARK-UP OF EXISTING UTILITIES.
9. ALL CONSTRUCTION, MATERIALS, AND WORKMANSHIP SHALL CONFORM TO THE LATEST STANDARDS AND PRACTICES OF THE CITY OF SEATTLE AND THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION" PREPARED BY WSDOT.
10. IN CASE OF A CONFLICT BETWEEN THE REGULATORY STANDARDS OR SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT WILL PREVAIL.
11. ANY CHANGES TO THE DESIGN AND/OR CONSTRUCTION SHALL BE APPROVED BY THE OWNER OR ENGINEER.
12. APPROVAL OF THESE PLANS DOES NOT CONSTITUTE AN APPROVAL OF ANY OTHER CONSTRUCTION NOT SPECIFICALLY SHOWN ON THE PLANS.
13. A COPY OF THESE APPROVED PLANS SHALL BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
14. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL CONSTRUCTION EASEMENTS AND PERMITS NECESSARY TO PERFORM THE WORK.
15. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION STAKING.
16. PUBLIC AND PRIVATE DRAINAGE WAYS SHALL BE PROTECTED FROM POLLUTION. NO MATERIAL IS TO BE DISCHARGED TO OR DEPOSITED IN STORMWATER SYSTEMS THAT MAY RESULT IN VIOLATION OF STATE OR FEDERAL WATER QUALITY STANDARDS.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST ADOPTED EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION.
18. ANY PUBLIC OR PRIVATE CURB, GUTTER, SIDEWALK, OR ASPHALT DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO CITY OF SEATTLE STANDARDS AND PRACTICES.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF ADJACENT UTILITIES WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WATER, SANITARY SEWER, STORMWATER, POWER, TELEPHONE, CABLE TV, GAS, IRRIGATION, AND STREET LIGHTING. THE CONTRACTOR SHALL NOTIFY RESIDENTS AND BUSINESSES 48 HOURS IN ADVANCE OF ANY WORK AFFECTING ACCESS OR SERVICE AND SHALL MINIMIZE INTERRUPTIONS TO DRIVEWAYS FOR RESIDENTS AND BUSINESSES ADJACENT TO THE PROJECT.
20. ALL LAWN AND VEGETATED AREAS DISTURBED WILL BE RESTORED TO ORIGINAL CONDITION. ANY DISTURBANCE OR DAMAGE TO OTHER PROPERTY ON ADJACENT PARCELS OR IN THE PUBLIC RIGHT OF WAY SHALL ALSO BE REPAIRED OR RESTORED TO ORIGINAL CONDITION.

MAUL FOSTER ALONGI
2815 SECOND AVE, SUITE 540
SEATTLE, WA 98121
206.858.7620
www.maulfoster.com

PIER 86 STORMWATER SYSTEM IMPROVEMENTS
LOUIS DREYFUS COMPANY WASHINGTON LLC
SEATTLE, WA

ISSUE	DATE	DESCRIPTION
###	###	###
###	###	###
###	###	###

PROJECT: 0883.01.08
DESIGNED: A. KAPAROS
DRAWN: A. KAPAROS
CHECKED: A. BANASIK
SCALE
DRAWING NOT TO SCALE
SHEET TITLE
COVER
SHEET
C0.0

PLOTTED ON: 2018-08-31 12:17 PM
PLOTTED BY: Andrew Kaparos FILENAME: G:\00_MFA Civil 3D\00_PROJECTS\0883.01 Louis Dreyfus Seattle\PLANS\08_Pier 86 SW improvements\SEPA Checklist\C1.0_Cover.dwg

EXISTING GRATING (~1500 SF)
TO BE COVERED BY SOLID
STEEL PLATES AND CURBING

1 C4.1

1 C4.1

SEE INSERT BELOW

COLLECTION PIPE
AND SUPPORTS (545 LF)

DOCK WET WELL / PUMP STATION (~5-FT DIAMETER)

RE-SURFACE SHIPPING DOCK WITH ASPHALT (12,400 SF)
SLOPE TO DRAIN TO COLLECTION SYSTEM
ALONG SOUTH SIDE OF DOCK

CURB (545 LF) ALONG
SOUTH SHIPPING SIDE OF DOCK
WITH CURB CUTS AND CONNECT
TO COLLECTION SYSTEM

COLLECT ACCESS PIER RUNOFF
FROM SELECT SCUPPERS ALONG
THE SOUTHWEST SIDE OF PIER
(PLUG REMAINING SCUPPERS)

COLLECTION PIPE
AND SUPPORTS
(APPROX. 300 LF)

2 C4.1

2 C4.1

PRESSURE LINE FROM
PIER PUMP STATION (460 LF)

2' WIDE (MAX) TRENCH EXCAVATION TO INSTALL NEW
PRESSURIZED PIPE

CONNECT PRESSURE PIPE TO
NEW SETTLING TANK

NEW GRAVITY PIPE TO
INFILTRATION TRENCH

CB #8

PIPE CLEANOUT (TYP.)
SEE SHT C4.1

COLLECTION PIPE
AND SUPPORTS

PLOTTED BY: Andrew Kaparos FILENAME: G:\00_MFA Civil 10\00_PROJECTS\0883.01 Louis Dreyfus\Seattle\PLANS\08_Pier 86\Improvements\SWPPP Sheets\C4.0_Storm Drainage Plan.dwg

PLOTTED ON: 2018-09-31 12:19PM

MAUL FOSTER ALONGI
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DRAFT

PIER 86 STORMWATER SYSTEM
IMPROVEMENTS

LOUIS DREYFUS COMPANY WASHINGTON LLC

SEATTLE, WA

ISSUE	DATE	DESCRIPTION
####	####	####

PROJECT: 0883.01.08
DESIGNED: A. KAPAROS
DRAWN: A. KAPAROS
CHECKED: A. BANSIK
SCALE

0 30' 60'

NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

SHEET TITLE

STORMWATER
IMPROVEMENTS PLAN

SHEET

C4.0