

PRELIMINARY STORMWATER RUNOFF MANAGEMENT PLAN (SRMP)

ALLIED CLEAN FUELS TERMINAL PROJECT
221 DEVLIN ROAD
NAPA, CALIFORNIA

APN 057-020-033

Prepared For:

Allied Propane Services
221 Devlin Road
Napa, CA, 94559
(707) 252-5500

#4113044.0
January 15, 2014

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- 5) TREATMENT CONTROL BMPS
- 6) OWNER'S CERTIFICATION

I. Purpose

This report addresses Napa County Stormwater Runoff Management Plan (SRMP) requirements. The project's post-construction stormwater management level is identified as a "Priority Project." The requirements are outlined in the Napa County Post-Construction Runoff Management Requirements, dated June 3, 2008.

This report also addresses Marin Napa Solano Sonoma Stormwater Association compliance requirements. The project is classified as a Tier 2 project. Requirements are outlined in the Model Stormwater Technical Guide Draft for compliance with stormwater post-construction requirements to begin implementation by June 30, 2015. The preliminary design of stormwater treatment facilities and other stormwater pollution control measures in this plan are in accordance with the current edition of the MNSSSA Stormwater Technical Guide.

II. Existing Conditions

The Allied Clean Fuels Terminal project is located at 221 Devlin Road in Napa, California. The APN is 057-020-033 and the parcel has an area of 6.37 +/- acres. The property currently contains an office building and warehouse along with propane storage facilities for Allied Propane. The site is bounded to the north by Devlin Road and Highway 29, to the west by the existing Allied Propane building and a storage facility beyond, to the east by a recently-approved commercial subdivision project and to the south by vacant land. The eastern side of the parcel is undeveloped and is covered in vegetation. No wells exist on the site.

The property slopes generally southward with 0.5% to 2.5% slopes. A shallow, vegetated flow path bisects the eastern field from north to south. Runoff from the property flows via surface flows to the south before entering a blue line creek and ultimately discharging to Napa River. Refer to Attachment 1 for a Vicinity Map, USGS Site Map, and an Aerial Photo showing the parcel topography, features and boundary.

III. Proposed Development

The Clean Fuels Facility project is being proposed on the eastern portion of the parcel which currently houses Allied Propane. The facility proposes to supply Compressed Natural Gas (CNG), Liquefied Natural Gas (LNG), Propane (LPG), Diesel Emissions Fuels (DEF), Diesel, and Unleaded Gas for trucks and autos. Four fuel dispensers are proposed at the front of the project for retail gasoline and diesel fuel sales. The facility will also provide additional services for all hybrid environmental flex fuel vehicles. At the rear of the project, a commercial state-of-the-art card lock facility with nine truck fueling islands is proposed to supply all fuel types. Also a four station state-of-the-art quick charge electric vehicle charging depot and a 3,312 sf convenient store will be constructed.

Runoff from the proposed project will be directed to bioretention facilities on site. Runoff will then be discharged to natural vegetated flow lines. The proposed project will disturb an area of

approximately 3.2 acres. The volume of soil to be moved during the project will be minimal. Refer to Civil Improvement Plans in Attachment 2, for the overall scope of the project.

IV. Drainage Study

This is a Priority Project that proposes over 10,000 sq.ft. of new or reconstructed impervious space, so a drainage study is required by the Napa Post-Construction Runoff Management Requirements. This drainage study was performed in compliance with the new Marin Napa Solano Sonoma Stormwater Association Model Stormwater Technical Guide Draft. It requires that the project demonstrate that runoff from impervious area be directed to a bioretention facility, and that the bioretention areas have a surface area equal or greater than 4% of the total tributary area to the bioretention facility.

The project site consists of two drainage management areas. The information about the drainage management areas can be found in the table below (refer to the DMA Map in Attachment 3):

Table 1.

| DMA Name | Area (sq. ft) | Post Project Surface Type | Runoff Factor | Receiving self-retaining DMA | Receiving self retaining DMA Area |
|----------|---------------|---------------------------|---------------|------------------------------|-----------------------------------|
| 1 | 44,389 | 90% paved | 1 | N/A | N/A |
| 2 | 68,522 | 90% paved | 1 | N/A | N/A |

Table 2.

| DMA Name | Area (sq. ft) | Post Project surface type | Runoff Factor | DMA Area x Runoff Factor | IMP Sizing Factor | Minimum Area | Proposed Area |
|----------|---------------|---------------------------|---------------|--------------------------|-------------------|--------------|---------------|
| 1 | 44,389 | 90% paved | 1 | 44389 | | | |
| 2 | 68,522 | 90% paved | 1 | 68522 | | | |
| | | | Total | 112911 | 0.04 | 4516.44 | 5532 |

The proposed development will have sufficient bioretention area to treat the stormwater runoff to the maximum extent practicable.

V. Stormwater Pollution Control

Anticipated Activities and Pollutants

The proposed project construction activities will potentially include the following pollutant sources:

A. Vehicle fluids

- C. Cement associated with PCC concrete/shotcrete operations
- D. General Litter
- E. Mortar Mix
- F. Treated Lumber
- G. Clearing and Grubbing Operations
- H. Solvent and Adhesives
- I. Paint
- J. Cleaning Chemicals
- K. Grading Operations
- L. Material Stockpiles
- M. Sediments

The potential contaminants of concern based on the potential pollutant sources outlined above are as follows:

- A. Sediments
- B. Nutrients
- C. Trash and Debris
- D. Metals
- E. Total Petroleum Hydrocarbons

Receiving Waters of Concern

Stormwater from the site discharges to natural vegetated flow lines, and eventually drains into the Napa River. According to Appendix F of the Napa County Post-Construction Runoff Management requirements, the potential pollutants of concern developed by this project are:

- 1. Sediment
- 2. Nutrients
- 3. Metals

Stormwater Best Management Practices (BMPs) are implemented to reduce potential pollutants from the proposed uses. The proposed disturbed area exceeds 1 acre. A Storm Water Pollution Prevention Plan will be prepared for the project. A Notice Of Intent will be filed with the San Francisco Regional Water Resources Control Board.

VI. Post-Construction BMPs

This project is classified as a Priority Project by the Napa County Post-Construction Runoff Management Requirements. As such, appropriate Site Design, Source Control BMPs, and Treatment Control BMPs have been incorporated into this project. The stormwater Best Management Practices (BMPs) listed below are implemented to reduce the post-development

runoff volume and peak runoff rate, and limit pollution generation from the source, prior to discharge off-site.

There are relatively few potential pollution sources associated with the proposed fuel terminal. The primary sources are concentrated flows and driveway/roof runoff. Existing vegetation will be maintained downslope of the project area to treat contaminant laden runoff to the maximum extent practicable (MEP) and the bioretention areas will be used to treat stormwater and mitigate increased flows resulting from increased impervious area. Design and selection of these methods are based upon the California Stormwater Best Management Practices (BMP) Handbook published by the California Stormwater Quality Association (CASQA), and new Napa County Stormwater standards.

Site Design BMPs

The following BMPs have been implemented to reduce the post-development runoff volume:

- *Minimize impervious footprint.* The driveways and parking aisles have been designed to the minimum allowable widths.
- *Conserve natural areas.* Natural drainage systems will be used to the maximum extent practicable.
- *Minimize directly connected Impervious Areas.* Runoff from the project area will be directed to bioretention, and will be discharged to vegetated flow lines.
- *Maximize canopy interception and water conservation.* New landscape will be professionally designed to incorporate native or drought tolerant plants and large shrubs in place of non-drought-tolerant species.

Source Control BMPs

The following BMPs have been implemented to limit pollution generation from the source:

A. Roads and Driveways

- The surfaces and slopes of new driveways shall comply with the latest version of the Napa County Road and Street Standards.

B. Parking Areas

- Runoff from parking areas will be directed to bioretention to infiltrate and treat stormwater

C. New or Reconstructed Stormwater Conveyance Systems

- Ditches and other open conveyance systems shall be lined with vegetation to protect exposed soils and to treat stormwater runoff before being discharged.

D. Storm Drain Inlets, Open Channels, and Creeks

- Provide concrete stamping, or equivalent, of all stormwater conveyance system inlets and catch basins within the project area with prohibitive language (e.g., "No Dumping-Drains to XXXX River/Creek/Lake"). Signage shall identify the receiving water the drain discharges to and include a message in Spanish.

E. Landscaping

- Existing native trees, and shrubs shall be preserved to the maximum extent practicable.
- New Landscape will be professionally designed to minimize irrigation, runoff, and the use of fertilizers and pesticides that can contribute to stormwater pollution. Plants shall be selected as appropriate to the soils, slopes, climate, sun, wind, and other site conditions.

F. Trash Storage Areas

- Trash storage areas shall be paved with an impervious surface and designed not to allow run-on from adjoining areas, and screened or walled to prevent off-site transport of trash.
- All trash containers will have lids that exclude rain.

H. Roofs, Gutters, and Downspouts

- All roofs, gutters, and downspouts will consist of protected metals or will drain to landscape.

P. Fueling Areas

- All fueling areas will be covered with an overhanging roof structure.
- All fuel dispensing areas will be paved with Portland cement concrete (or equivalent smooth impervious surface), and the use of asphalt concrete shall be prohibited.
- All fuel dispensing areas must have a 2% to 4% slope to prevent ponding, and must be separated by a grade break to prevent run-on to the maximum extent practicable.
- Concrete fuel dispensing area will extend 6.5 feet from the corner of each fuel dispenser, or the length at which the hose and nozzle assembly may be operated plus 1 foot whichever is less.
- Above ground fuel tanks must be protected with a secondary containment structure of sufficient volume to contain all of the fuel in the event of a tank rupture.

Treatment Control BMPs

The Allied Clean Fuels Terminal project is classified as a Priority project so Treatment control BMPs are required for this project.

1. Bioretention Facilities

Bioretention areas are landscaping features that are expanded to provide on-site treatment of stormwater runoff. Surface runoff is directed into shallow, landscaped depressions that are designed to infiltrate and treat stormwater runoff. The runoff filters through the mulch and prepared soil mix. The filtered runoff can be collected in a perforated underdrain and returned to the storm drain system.

Routine maintenance is critical to the successful operation of BMPs. General maintenance includes inspection of BMPs at the beginning and end of the wet season, vegetation management, debris and sediment removal, restoration of damaged area in a BMP, and possible vector control.

The applicant accepts responsibility for interim operation and maintenance of stormwater treatment and flow-control facilities until such a time as this responsibility is formally transferred to a subsequent owner. The owner shall execute a Maintenance and Operation Agreement with the County of Napa.

VII. Conclusions

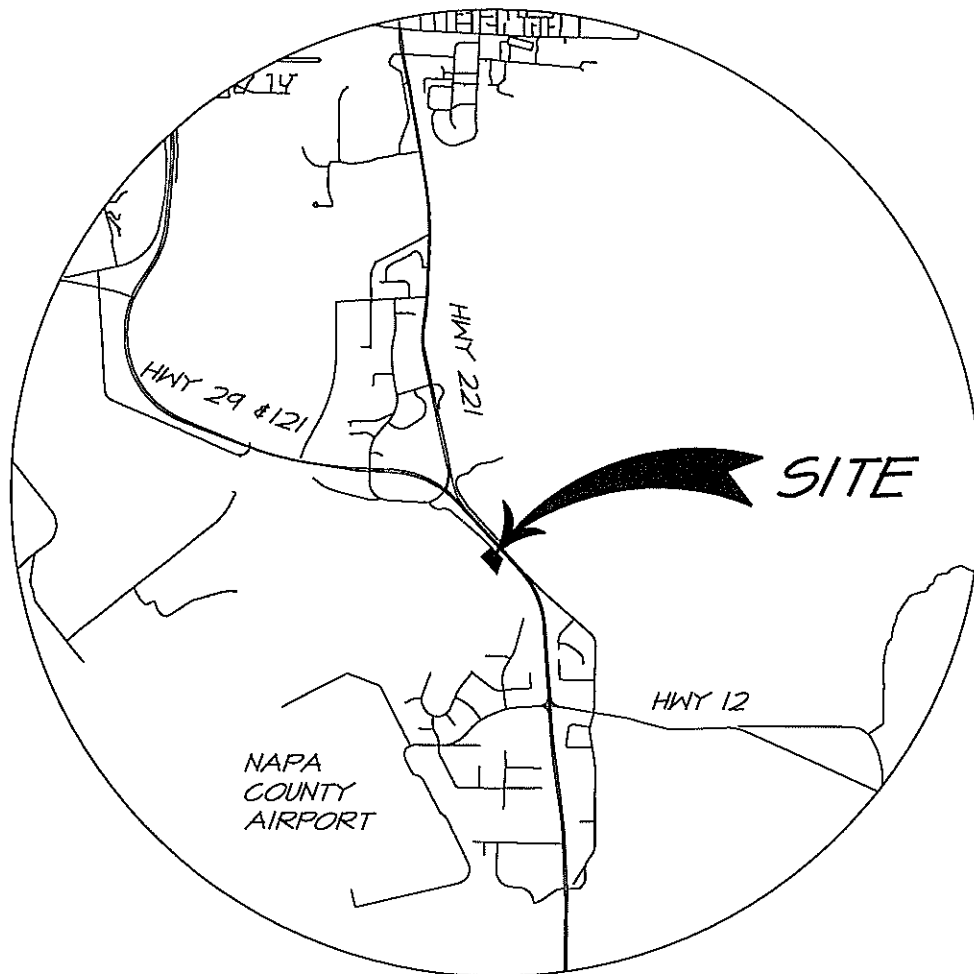
The stormwater runoff management plan outlined above is incorporated into the design of the proposed Allied Clean Fuels Terminal project. This plan demonstrates that appropriate, site specific best management practices will be implemented to minimize contaminant laden runoff from leaving the parcel. With the implementation and proper maintenance of stormwater treatment controls, the proposed project can control the runoff volume, flow rate and treatment of contaminant laden runoff.

ATTACHMENT 1

Vicinity Map, USGS Map, Aerial Image (Current Site Photo)

ALLIED CLEAN FUELS TERMINAL VICINITY MAP

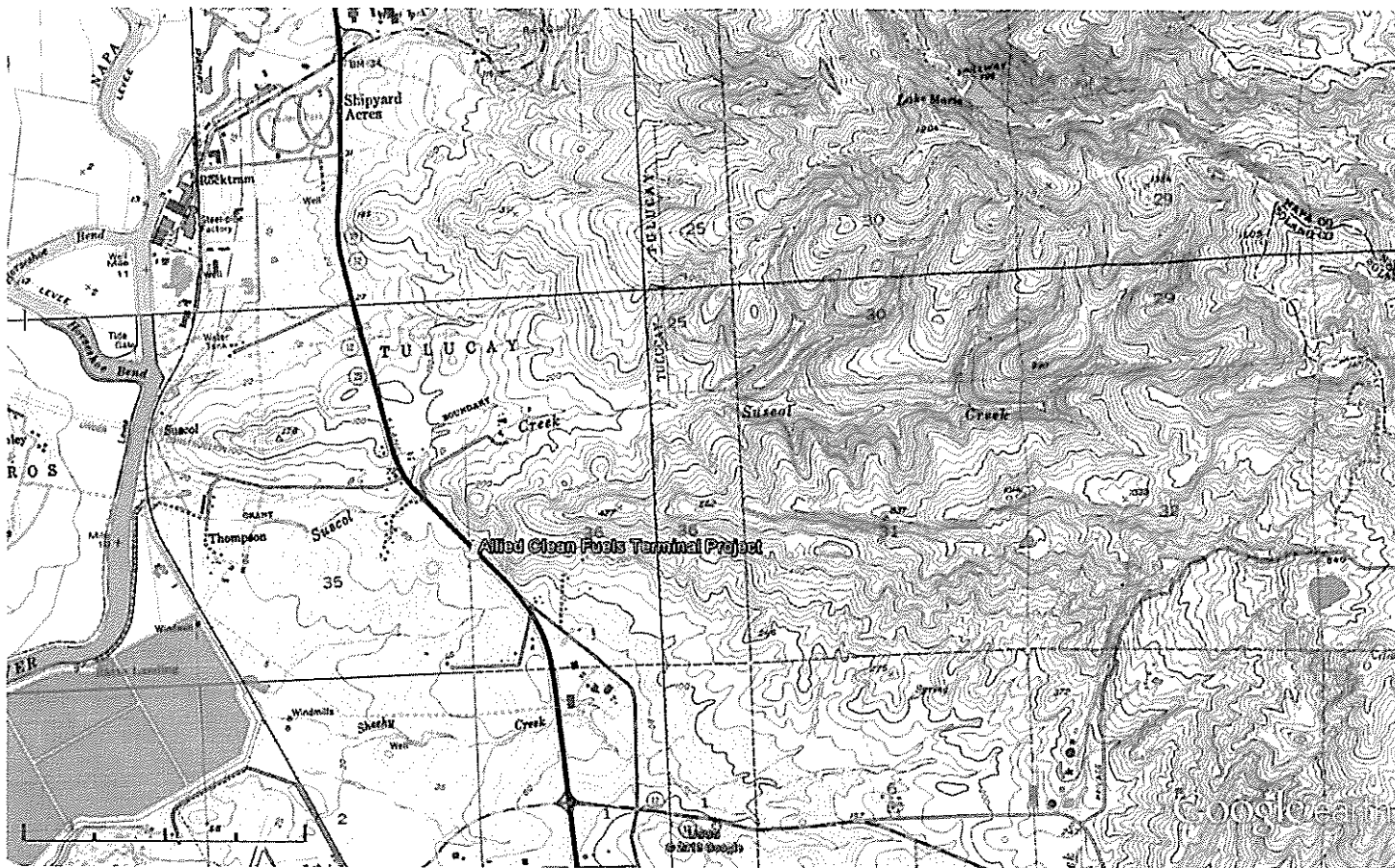
NAPA CALIFORNIA



VICINITY MAP
NOT TO SCALE



1515 Fourth Street
Napa, Calif. 94559
v 707.252.3301
f 707.252.4966



Google earth

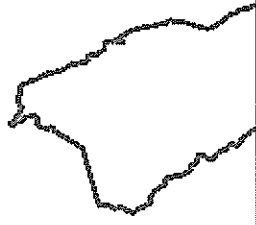




County of Napa GIS

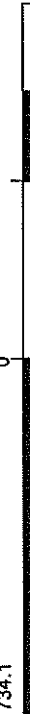


Legend
☐ Parcels
☐ County Boundary



734.1

367.06 734.1 Feet



Disclaimer: This map was prepared for informational purposes only.
No liability is assumed for the accuracy of the data delineated hereon.

This map was printed on 1/15/2014

Notes

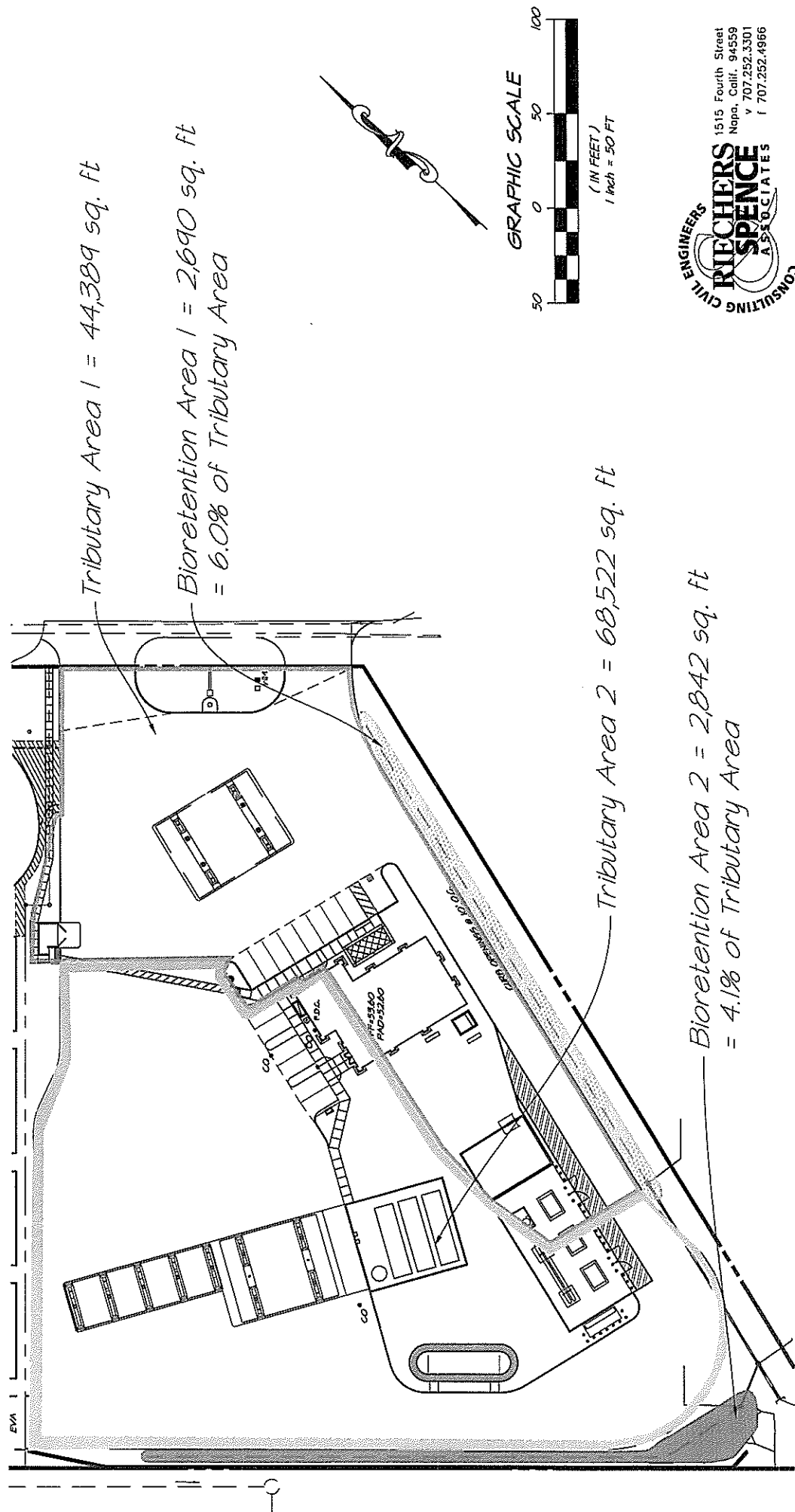
ATTACHMENT 2

Civil Improvement Plans

ATTACHMENT 3

Drainage Study

ALLIED CLEAN FUELS TERMINAL DRAINAGE MANAGEMENT AREA MAP NAPA CALIFORNIA



**RIECHERS
SPENCE
ASSOCIATES**
CONSULTING CIVIL ENGINEERS
1515 Fourth Street
Napa, Calif. 94559
P 707.252.3301
F 707.252.4966

Table 1.

| DMA Name | Area (sq. ft) | Post Project Surface Type | Runoff Factor | Receiving self-retaining DMA | Receiving self retaining DMA Area |
|----------|---------------|---------------------------|---------------|------------------------------|-----------------------------------|
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| Total | | | | 112911 | 0.04 | 4516.44 | 5532 |

ATTACHMENT 4

Napa County Construction Appendix A
Napa County Post-Construction Appendices

**NAPA COUNTY CONSTRUCTION SITE RUNOFF CONTROL REQUIREMENTS
APPENDIX A – PROJECT APPLICABILITY CHECKLIST**

| | |
|---|--|
| Construction Site Runoff Control Applicability Checklist | <div style="display: flex; justify-content: space-between;"> <div> County of Napa Department of Public Works 1195 Third Street, Suite 201 Napa, CA 94559 (707) 253-4351 www.co.napa.ca.us/publicworks </div>  </div> |
| Project Address: 221 Devlin Road Napa, CA 94558 | <div style="display: flex; justify-content: space-between;"> <div> Assessor Parcel Number(s): 057-020-033 </div> <div> Project Number: <i>(for County use Only)</i> </div> </div> |
| <p>INSTRUCTIONS</p> <p>Structural projects that require a building and/or grading permit must complete the following checklist to determine if the project is subject to Napa County's Construction Site Runoff Control Requirements. This form must be completed and submitted with your permit application(s). Definitions are provided in the Napa County Construction Site Runoff Control Requirements policy. Note: If multiple building or grading permits are required for a common plan of development, the total project shall be considered for the purpose of filling out this checklist.</p> | |
| <p>DETERMINING PROJECT APPLICABILITY TO THE CONSTRUCTION SITE RUNOFF CONTROL REQUIREMENTS</p> <ul style="list-style-type: none"> ✓ If the answer to question 1 of Part A is "Yes" your project is subject to Napa County's Construction Site Runoff Control requirements and must prepare a Stormwater Pollution Prevention Plan (SWPPP). The applicant must also comply with the SWRCB's NPDES General Permit for Stormwater Associated with Construction Activity and must provide a copy of the Notice of Intent (NOI) and Waste Discharge Identification (WDID). ✓ If the answer to question 1 of Part A is "No", but the answer to any of the remaining questions is "Yes" your project is subject to Napa County's Construction Site Runoff Control requirements and must prepare a Stormwater Quality Management Plan (SQMP). ✓ If every question to Part A is answered "No" your project is exempt from Napa County's Construction Site Runoff Control Requirements, but must comply will all construction site runoff control standard conditions attached to any building or grading permit (see Appendix D of the Napa County Construction Site Runoff Control Requirements). ✓ If any of the answers to the questions in Part A is "Yes", complete the construction site prioritization in Part B below. | |

OVER

NAPA COUNTY CONSTRUCTION SITE RUNOFF CONTROL REQUIREMENTS

APPENDIX A – PROJECT APPLICABILITY CHECKLIST

Part A: Determine Construction Phase Stormwater Requirements

Would the project meet any of these criteria during construction?

1. Propose any soil disturbance of one acre or more? ☒ Yes ☐ No
2. Does the project propose any soil disturbance greater than 10,000 square feet?..... ☒ Yes ☐ No
3. Does the project propose grading, earth moving, or soil disturbance on slopes 15% or greater?..... Yes ☒ No
4. Does the project propose earthmoving of 50 cubic yards or more?..... Yes ☒ No
5. Does the project propose soil disturbance within 50 feet of a stream, ditch, swale, curb and gutter, catch basin or storm drain that concentrates and transports stormwater runoff to a "receiving water" (i.e., Waters of the State defined as all waters, including but not limited to, natural streams, creeks, rivers, reservoirs, lakes, ponds, water in vernal pools, lagoons, estuaries, bays, the Pacific Ocean, and ground water)? ☒ Yes ☐ No

Part B: Determine Construction Site Priority

Projects that are subject to the Construction Site Runoff Control Requirements must be designated with a priority of high, medium, or low. This prioritization must be completed with this form, noted on the plans, and included in the SWPPP or SQMP. Indicate the project's priority in one of the checked boxes using the criteria below. The County reserves the right to adjust the priority of projects both before and during construction.

Note: The construction priority does NOT change construction Best Management Practice (BMP) requirements that apply to projects. The construction priority does affect the frequency of inspections that will be conducted by County staff and associated fees.

Select the highest priority category applicable to the project.

☒ High Priority

✓a) Projects with soil disturbance of one acre or greater.

b) Projects on slopes of 30% or greater.

✓c) Projects proposing new storm drains.

☐ Medium Priority

a) Projects on slopes from 5% to 29%.

✓b) Projects with soil disturbance between 10,000 sq. ft and one acre.

c) Projects with earthmoving of 50 cubic yards or more.

☐ Low Priority

✓a) Projects with soil disturbance within 50 feet stream, ditch, swale, curb and gutter, catch basin or storm drain that concentrates and transports stormwater runoff to a "receiving water".

Name of Owner or Agent (Please Print):


Title:

Signature of Owner or Agent:

Date:

NAPA COUNTY POST-CONSTRUCTION RUNOFF MANAGEMENT REQUIREMENTS

APPENDIX A – APPLICABILITY CHECKLIST

| | | | | | | | | | | | | | | | | | | |
|---|--|---|---|---|--|---|---|---|---|---|--|---|--|---|--|---|--|---|
| Post-Construction Runoff Management Applicability Checklist | <div style="display: flex; justify-content: space-between;"> <div> County of Napa Department of Public Works 1195 Third Street Napa, CA 94559 (707) 253-4351 for information </div> <div style="text-align: right;">  </div> </div> | | | | | | | | | | | | | | | | | |
| Project Address: 221 Devlin Road, Napa, CA 94558 | Assessor Parcel Number(s): 057-020-033 | Project Number: <i>(for County use Only)</i> | | | | | | | | | | | | | | | | |
| Instructions: Structural projects requiring a use permit, building permit, and/or grading permit must complete the following checklist to determine if the project is subject to the Post-Construction Runoff Management Requirements. In addition, the impervious surface worksheet on the reverse page must also be completed to calculate the amount of new and reconstructed impervious surfaces proposed by your project. This form must be completed, signed, and submitted with your permit application(s). Definitions are provided in the Post-Construction Runoff Management Requirements policy. Note: If multiple building or grading permits are required for a common plan of development, the total project shall be considered for the purpose of filling out this checklist. | | | | | | | | | | | | | | | | | | |
| POST-CONSTRUCTION STORMWATER BMP REQUIREMENTS (Parts A and B) <ul style="list-style-type: none"> ✓ If any answer to Part A are answered "yes" your project is a "Priority Project" and is subject to the Site Design, Source Control, and Treatment Control design standards described in the Napa County Post-Construction Runoff Management Requirements. ✓ If all answers to Part A are "No" and any answers to Part B are "Yes" your project is a "Standard Project" and is subject to the Site Design and Source Control design standards described in the Napa County Post-Construction Runoff Management Requirements. ✓ If every question to Part A and B are answered "No", your project is exempt from post-construction runoff management requirements. | | | | | | | | | | | | | | | | | | |
| Part A: Priority Project Categories Does the project meet the definition of one or more of the priority project categories? | | | | | | | | | | | | | | | | | | |
| <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">1. Residential with 10 or more units</td> <td style="width: 20%; text-align: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></td> </tr> <tr> <td>2. Commercial development greater than 100,000 square feet.....</td> <td style="text-align: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></td> </tr> <tr> <td>3. Automotive repair shop.....</td> <td style="text-align: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></td> </tr> <tr> <td>4. Retail Gasoline Outlet.....</td> <td style="text-align: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</td> </tr> <tr> <td>5. Restaurant.....</td> <td style="text-align: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></td> </tr> <tr> <td>6. Parking lots with greater than 25 spaces or greater than 5,000 square feet.....</td> <td style="text-align: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></td> </tr> </table> | | | 1. Residential with 10 or more units | Yes <input type="radio"/> No <input checked="" type="radio"/> | 2. Commercial development greater than 100,000 square feet..... | Yes <input type="radio"/> No <input checked="" type="radio"/> | 3. Automotive repair shop..... | Yes <input type="radio"/> No <input checked="" type="radio"/> | 4. Retail Gasoline Outlet..... | <input checked="" type="radio"/> Yes <input type="radio"/> No | 5. Restaurant..... | Yes <input type="radio"/> No <input checked="" type="radio"/> | 6. Parking lots with greater than 25 spaces or greater than 5,000 square feet..... | Yes <input type="radio"/> No <input checked="" type="radio"/> | | | | |
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| <i>*Refer to the definitions section for expanded definitions of the priority project categories.</i> | | | | | | | | | | | | | | | | | | |
| Part B: Standard Project Categories Does the project propose: | | | | | | | | | | | | | | | | | | |
| <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">1. A facility that requires a NPDES Permit for Stormwater Discharges Associated with Industrial Activities?.....</td> <td style="width: 20%; text-align: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</td> </tr> <tr> <td>2. New or redeveloped impervious surfaces 10,000 square feet or greater, excluding roads?.....</td> <td style="text-align: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</td> </tr> <tr> <td>3. Hillside residential greater than 30% slope.....</td> <td style="text-align: right;">Yes <input type="radio"/> No <input checked="" type="radio"/></td> </tr> <tr> <td>4. Roadway and driveway construction or reconstruction which requires a Grading Permit.....</td> <td style="text-align: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</td> </tr> <tr> <td>5. Installation of new storm drains or alteration to existing storm drains?.....</td> <td style="text-align: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</td> </tr> <tr> <td>6. Liquid or solid material loading and/or unloading areas?.....</td> <td style="text-align: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</td> </tr> <tr> <td>7. Vehicle and/or equipment fueling, washing, or maintenance areas, excluding residential uses?.....</td> <td style="text-align: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</td> </tr> <tr> <td>8. Commercial or industrial waste handling or storage, excluding typical office or household waste?.....</td> <td style="text-align: right;"><input checked="" type="radio"/> Yes <input type="radio"/> No</td> </tr> </table> | | | 1. A facility that requires a NPDES Permit for Stormwater Discharges Associated with Industrial Activities?..... | <input checked="" type="radio"/> Yes <input type="radio"/> No | 2. New or redeveloped impervious surfaces 10,000 square feet or greater, excluding roads?..... | <input checked="" type="radio"/> Yes <input type="radio"/> No | 3. Hillside residential greater than 30% slope..... | Yes <input type="radio"/> No <input checked="" type="radio"/> | 4. Roadway and driveway construction or reconstruction which requires a Grading Permit..... | <input checked="" type="radio"/> Yes <input type="radio"/> No | 5. Installation of new storm drains or alteration to existing storm drains?..... | <input checked="" type="radio"/> Yes <input type="radio"/> No | 6. Liquid or solid material loading and/or unloading areas?..... | <input checked="" type="radio"/> Yes <input type="radio"/> No | 7. Vehicle and/or equipment fueling, washing, or maintenance areas, excluding residential uses?..... | <input checked="" type="radio"/> Yes <input type="radio"/> No | 8. Commercial or industrial waste handling or storage, excluding typical office or household waste?..... | <input checked="" type="radio"/> Yes <input type="radio"/> No |
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| 7. Vehicle and/or equipment fueling, washing, or maintenance areas, excluding residential uses?..... | <input checked="" type="radio"/> Yes <input type="radio"/> No | | | | | | | | | | | | | | | | | |
| 8. Commercial or industrial waste handling or storage, excluding typical office or household waste?..... | <input checked="" type="radio"/> Yes <input type="radio"/> No | | | | | | | | | | | | | | | | | |
| Note: To find out if your project is required to obtain an individual General NPDES Permit for Stormwater discharges Associated with Industrial Activities, visit the State Water Resources Control Board website at, www.swrcb.ca.gov/stormwtr/industrial.html | | | | | | | | | | | | | | | | | | |

NAPA COUNTY POST-CONSTRUCTION RUNOFF MANAGEMENT REQUIREMENTS

APPENDIX A – APPLICABILITY CHECKLIST

Impervious Surface Worksheet

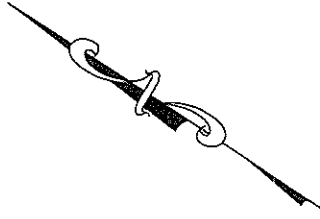
Project phasing to decrease impervious surface area shall not exempt the project from Post-Construction Runoff Management requirements. A new development or redevelopment project must comply with the requirements if it is part of a larger common plan of development that would result in the creation, addition and/or reconstruction of one acre or more of impervious surface. (For example, if 50% of a subdivision is constructed and results in 0.9 acre of impervious surface, and the remaining 50% of the subdivision is to be developed at a future date, the property owner must comply with the Post-Construction Runoff Management requirements.)

| Type of Impervious Surface | Impervious Surface (Sq Ft) | | | Total New and Reconstructed Impervious Surfaces (Sq Ft) |
|--|-----------------------------|---|---|---|
| | Pre-Project (if applicable) | New (Does not replace any existing impervious area) | Reconstructed (Replaces existing impervious area) | |
| Buildings, Garages, Carports, other Structures with roofs | 0 | 15,369 | 0 | 15,369 |
| Patio, Impervious Decking, Pavers and Impervious Liners | 0 | 6,138 | 0 | 6,138 |
| Sidewalks and paths | 0 | 3,752 | 0 | 3,752 |
| Parking Lots | 0 | 2,967 | 0 | 2,967 |
| Roadways and Driveways, | 15,278 | 53,392 | 15,278 | 68,670 |
| Off-site Impervious Improvements | 0 | 0 | 0 | 0 |
| Total Area of Impervious Surface (Excluding Roadways and Driveways) | 0 | 28,226 | 0 | 28,226 |

Incorrect information on proposed activities or uses of a project may delay your project application(s) or permit(s).

I declare under penalty of perjury, that to the best of my knowledge, the information presented herein is accurate and complete.

| | |
|--|--------|
| Name of Owner or Agent (Please Print): | Title: |
| Signature of Owner or Agent: | Date: |

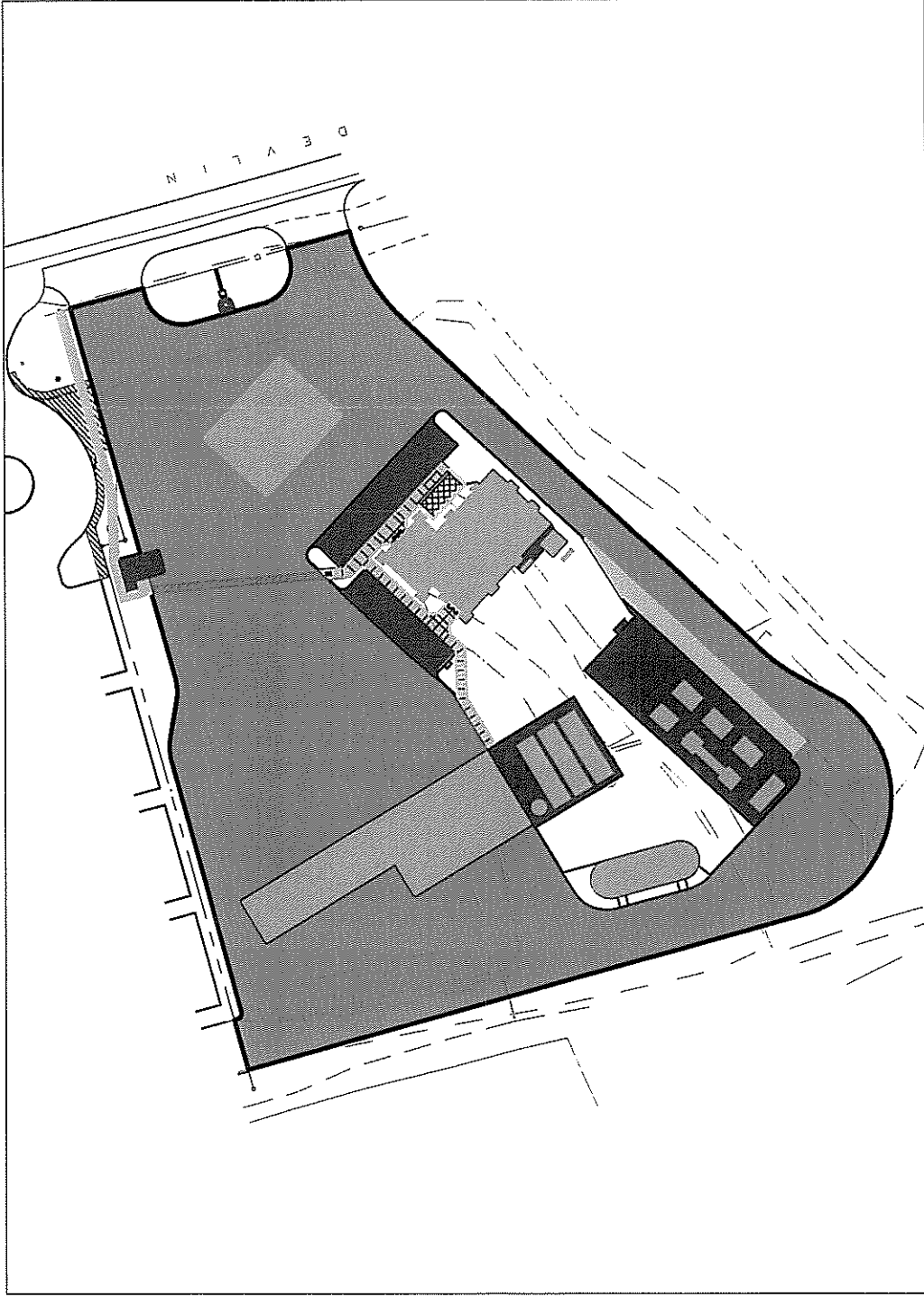







(IN FEET)
1 inch = 60 FT

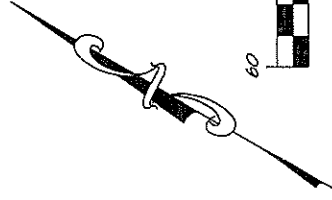


1515 Fourth Street
Napa, Calif. 94559
v 707.252.3301
f 707.252.4966

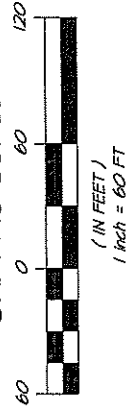
ALLIED CLEAN FUELS TERMINAL PROPOSED IMPERVIOUS AREAS NAPA, CALIFORNIA



-  Buildings, Garages, Carports, other Structures with Roofs = 15,364 sq. ft.
-  Patio, Impervious Decking, Pavers, and Impervious Liners = 6,138 sq. ft.
-  Sidewalks and Paths = 3,752 sq. ft.
-  Parking Lots = 2,967 sq. ft.
-  Roadways and Driveways =



GRAPHIC SCALE



**RITCHERS
SPENCE
ASSOCIATES**
CONSULTING CIVIL ENGINEERS
1515 Fourth Street
Napa, Calif. 94559
☎ 707.252.3301
☎ 707.252.4966

**NAPA COUNTY POST-CONSTRUCTION RUNOFF MANAGEMENT REQUIREMENTS
APPENDIX B – APPLICATION FOR SRMP REVIEW**

| FOR OFFICE USE ONLY | | | | |
|--|-------------|----------------------------------|-----------------------------------|--------------------------------|
| SUBMITTAL DATE: _____ | | FILE #: _____ | APN #: _____ | |
| USGS QUAD: _____ | | CalWatershed: _____ | | |
| REQUEST: _____ | | | | |
| USE PERMIT CATEGORY: <input type="checkbox"/> Hillside Residence <input type="checkbox"/> Subdivision <input type="checkbox"/> Commercial Facility TYPE: <input type="checkbox"/> Private <input type="checkbox"/> Public BUILDING AND/OR GRADING PERMIT: <input type="checkbox"/> Structure <input type="checkbox"/> Driveway <input type="checkbox"/> Road <input type="checkbox"/> Reservoir <input type="checkbox"/> Cave <input type="checkbox"/> Other FINAL APPROVAL: Date: _____ Deposit: \$ _____ <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <i>Deposit</i> <i>Receipt Number</i> <i>Received By</i> <i>Date</i> </div> | | | | |
| TO BE COMPLETED BY APPLICANT | | | | |
| (Please type or print legibly) | | | | |
| Applicant's Name: Stanley Teaderman | | Company: Allied Propane Services | | |
| Telephone #: (707) 252-5500 | | Fax #: (707) 255-8780 | | E-Mail: stant@alliedprogas.com |
| Mailing Address: 221 | Devlin Road | Napa | CA | 94558 |
| No | Street | City | State | Zip |
| Status of Applicant's Interest in Property: Owner | | | | |
| Property Owner's Name: Allied Propane Services | | | | |
| Telephone #: (707) 252-5500 | | Fax #: (707) 255-8780 | | E-Mail: stant@alliedprogas.com |
| Mailing Address: 221 | Devlin Road | Napa | CA | 94558 |
| No | Street | City | State | Zip |
| Site Address/Location: 221 | | Devlin Road | | Napa |
| No | | Street | | City |
| Assessor's Parcel #(s): 057-020-033 | | | | |
| SIGNATURE: I hereby certify that all the information contained in this application, including but not limited to, this application form, the Stormwater Runoff Management Plan (SRMP), the supplemental information sheets, site plan, plot plan, cross sections/elevations, is complete and accurate to the best of my knowledge. I hereby authorize such investigations including access to County Assessor's Records as are deemed necessary by the Department of Public Works for evaluation of this application and preparation of reports related thereto, including the right of access to the property involved. | | | | |
| Signature of Applicant _____ | | Date _____ | Signature of Property Owner _____ | |
| | | | Date _____ | |

NAPA COUNTY CONSTRUCTION SITE RUNOFF CONTROL REQUIREMENTS

APPENDIX C – SRMP CHECKLIST FOR A COMPLETE APPLICATION

| | |
|---|---|
| FOR OFFICIAL USE ONLY | |
| PLAN REVIEWER: _____ | DATE RECEIVED: _____ |
| PROJECT NAME: _____ | PROJECT NUMBER: _____ |
| PERMIT CATEGORY: <input type="checkbox"/> Use Permit <input type="checkbox"/> Building Permit <input type="checkbox"/> Grading Permit | |
| Project Category (check all applicable Priority or Standard Project categories) | |
| <input checked="" type="checkbox"/> Priority Project | <input type="checkbox"/> Standard Project |
| ____ Residential with 10 or more units | <input checked="" type="checkbox"/> Industrial NPDES permit |
| ____ 100,000 sq ft commercial | <input checked="" type="checkbox"/> Impervious surface > 10,000 sq ft (excluding roads) |
| ____ Automotive repair shop | ____ Hillside residential on slopes 30% or more |
| ____ Restaurant | <input checked="" type="checkbox"/> Roadways and driveways that require a grading permit |
| <input checked="" type="checkbox"/> Retail Gasoline Outlet | <input checked="" type="checkbox"/> New or alteration of storm drains |
| ____ Parking Lot (>25 spaces or >5,000SF) | <input checked="" type="checkbox"/> Liquid or solid material loading areas |
| | <input checked="" type="checkbox"/> Vehicle or equipment fueling, washing, or maintenance |
| | <input checked="" type="checkbox"/> Commercial or industrial waste handling and storage |

At a minimum, the Stormwater Runoff Management Plan must cover the areas listed below.

√ = Complete, X = Incomplete, NA = Not Applicable

A. Planning and Organization

1. ☒ Completed Post-Construction BMP Applicability Checklist (Appendix A)
2. ☒ Completed SRMP General Information Form (Appendix B).
2. ☒ Vicinity map showing the site in relation to the surrounding area.
3. N/A If applicable, incorporate or reference other regulatory permits and their requirements. **Note:** All State and Federal Permits (1600, 401/404, General Permit, etc) must be approved prior to any construction within State Waters.
4. ☒ Describe the nature of the proposed use of the development project.

B. Identify Pollutants and Conditions of Concern

1. ☒ Standard and Priority Projects proposing 10,000 or more sq. ft. of new impervious surface, excluding roadways and driveways or projects directly discharging to tidally-influenced receiving waters, must prepare a drainage study that calculates the pre-development runoff volume according to the criteria in Chapter 3.1.
2. ☒ Standard and Priority Projects must provide a completed Source Control BMP Selection Worksheet (Appendix E) that lists all anticipated activities associated with the use of the proposed project that have the potential to generate pollutants.
3. ☒ Standard and Priority Projects must list and describe all stormwater conveyance systems (e.g. storm drain, ditch, creek, etc) within 150 feet of the project footprint. Discretionary projects must also provide an analysis for all open stormwater conveyance systems. At a minimum, the analysis must consider the criteria in Chapter 3.3.

NAPA COUNTY CONSTRUCTION SITE RUNOFF CONTROL REQUIREMENTS

APPENDIX C – SRMP CHECKLIST FOR A COMPLETE APPLICATION

4. ☒ Priority Projects required to incorporate Treatment Control BMPs into the project design shall provide a completed Post-Construction BMP Selection Worksheet (Appendix F).

D. Post-Construction BMPs

Site Design BMPs

1. ☒ List and describe all Site Design BMPs used to maintain stormwater runoff volumes to pre-development conditions according to the criteria described in Chapter 4.1. If structural controls are required to maintain pre-development peak runoff conditions, a description of why Site Design BMPs alone are not practicable for maintaining runoff conditions is required.
2. ☒ List and describe all structures (outfalls, culverts, etc.) proposed within the jurisdiction of the DFG, RWQCB, and/or ACE. The description must include the structure's specifications and designed storm capacity. The structure must be constructed in accordance with all applicable State and Federal permits.
3. ☒ Provide the average slope and minimum and maximum distance between the project footprint and all open stormwater conveyance systems (e.g. ditches, creeks, etc.). Ministerial projects must establish setbacks that comply with the stream setback requirements in the Conservation Regulations and Floodplain Management Regulations. Discretionary projects may establish and/or restore wider buffers zones to protect aquatic resources and structures.

Source Control BMPs

4. ☒ List and describe all source control measures included in the project design to eliminate pollutant contact with stormwater from the anticipated activities identified in the Source Control BMP Selection worksheet (Appendix E). The description must include the location and design specifications for each source control BMP.

Treatment Control BMPs

5. ☒ Priority Projects provide a completed Treatment Control BMP Selection Worksheet (Appendix F) and include a description of the location and design specifications for each treatment control BMP.
6. ☒ Provide the calculations used to design the treatment control BMPs to satisfy the numeric sizing treatment standards in Chapter 4.3. Applicants may count the site design BMPs toward meeting these numeric standards.

F. Site Plan

The site plan shall be neat and legible and shall be drawn on a 24" X 36" sheet and shall be folded to 8 ½" by 11" prior to submittal. When two or more sheets are used to illustrate the plan view, an index sheet is required, illustrating the entire project on one (1) 24" x 36" (minimum) sheet. The entire parcel shall be identified on the plan. If only a portion of the site will be developed, the entire parcel may be shown as a detail, with the area to be developed, cleared, and/or graded drawn to an appropriate scale.

The site plan shall include all of the following:

1. ☒ Provide a legend and north arrow on the plan.
2. ☒ Maximum plan scale of 1" = 100'.
3. ☒ An outline of the entire property.
4. ☒ Provide a "limit of disturbance" line which shows the limit of soil disturbance and areas where existing vegetation is preserved.

NAPA COUNTY CONSTRUCTION SITE RUNOFF CONTROL REQUIREMENTS
APPENDIX C – SRMP CHECKLIST FOR A COMPLETE APPLICATION

5. ☒ All open stormwater conveyance systems (e.g. ditches, creeks) and setback distances must be delineated.
6. ☒ State and Federal wetlands must be accurately delineated.
7. ☒ The National Flood Insurance Program 100 Year Flood Zone and Flood Way must be delineated.
8. ☒ Drainage areas on the property and direction of flow. Map must extend as far outside the site perimeter as necessary to illustrate relevant drainage areas. Where relevant drainage areas are too large to depict on the map, map notes or inserts are sufficient.
9. ☒ All storm drain inlets and outlets must be located on the plan.
10. ☒ Anticipated stormwater discharge locations.
11. ☒ Location of existing and future Site Design and source Control BMPs.
12. ☒ Location of existing and future Treatment Control BMPs.
13. ☒ Location of existing and future "impervious" areas - paved areas, buildings, covered areas.

G. Post-Construction BMP Implementation and Maintenance Agreement

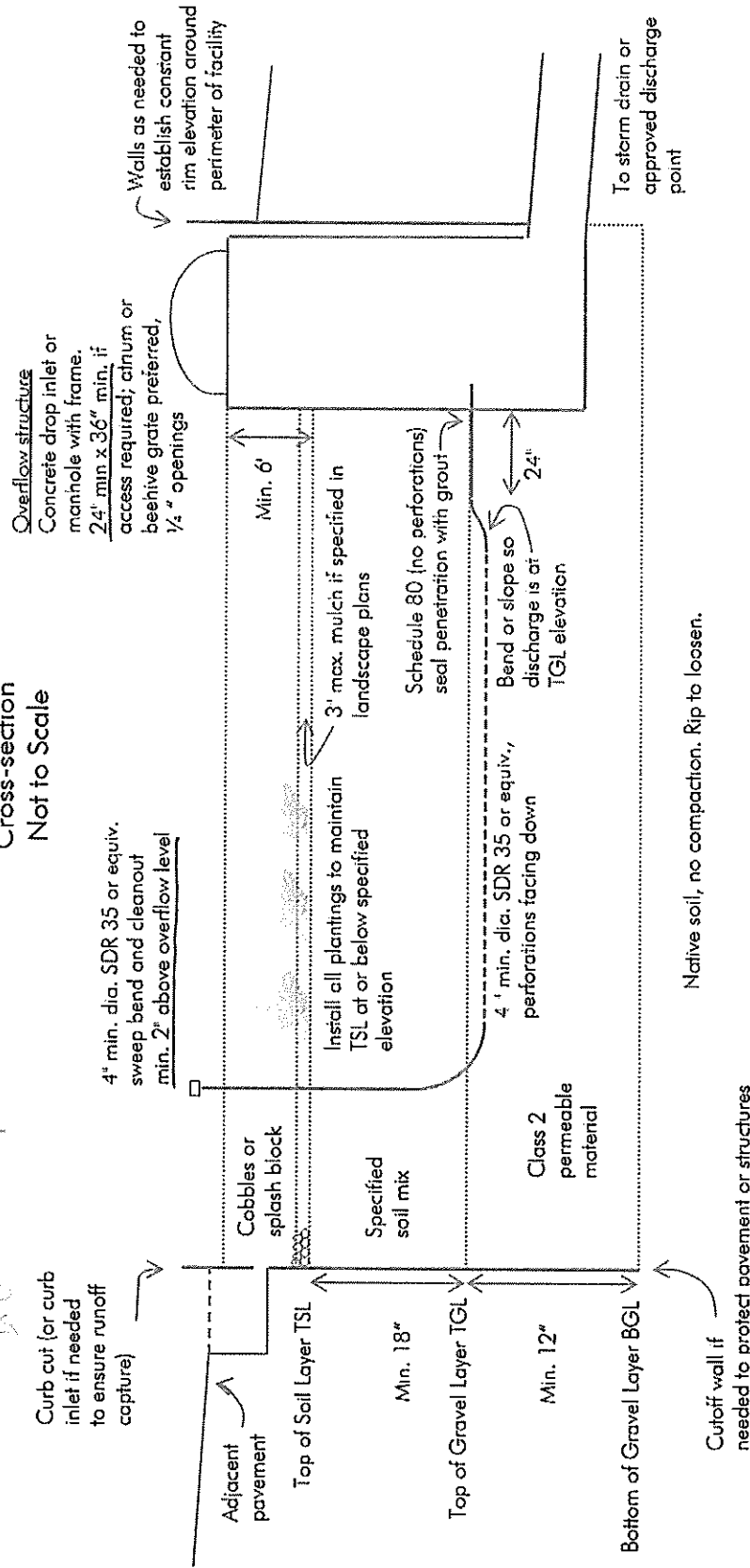
1. ☒ One of the maintenance mechanisms described in Chapter 5A, which is satisfactory to the Director, must be signed and executed.
2. ☒ Include a signed Owner's Certification that states "I, the undersigned, certify that all land clearing, construction and development shall be done pursuant to the approved plan." This must be signed in ink on each plan submitted or on an original reproducible.

ATTACHMENT 5

Treatment Control BMPs

Bioretention Facility

Cross-section
Not to Scale



Allowed variations for special site conditions:

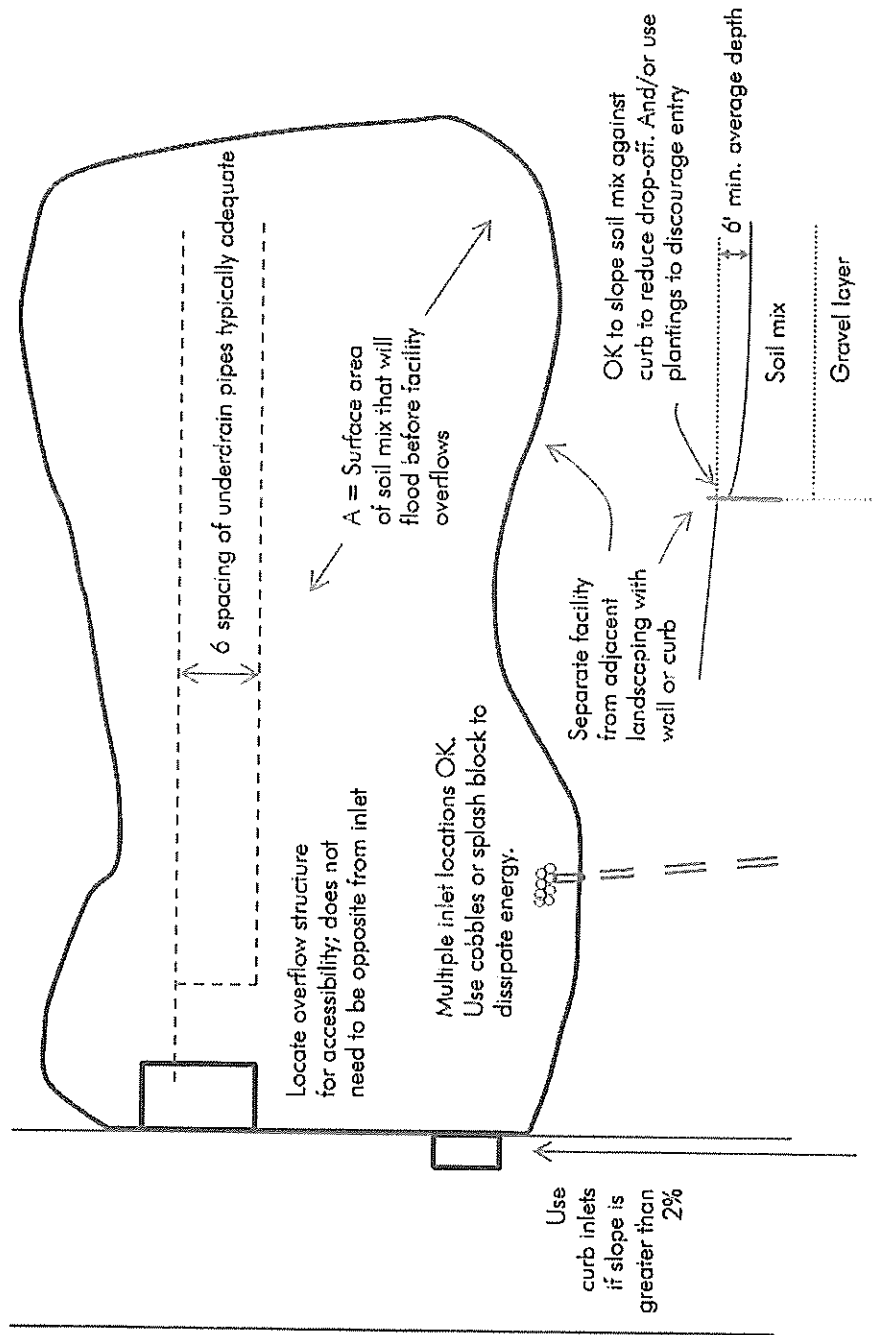
- Facilities located within 10 feet of structures or other potential geotechnical hazards may incorporate an impervious cutoff wall
- Facilities with documented high concentrations of pollutants in underlying soil or groundwater, facilities where infiltration could contribute to a geotechnical hazard, and facilities located on elevated plazas or other structures may incorporate an impervious liner and may locate the underdrain discharge at the BGL (flow-through planter configuration).
- Facilities located in areas of high groundwater, highly infiltrative soils, or where connection the underdrain to a surface drain or subsurface storm drain are infeasible may omit the underdrain.

Notes:

- No liner, no filter fabric, no landscape cloth.
- Maintain BGL, TGL, TSL throughout facility area at elevations to be specified in plan.
- Class 2 perm layer may extend below and underneath drop inlet.
- Elevation of underdrain discharge is at top of gravel layer.
- See Chapter 4 for instructions on facility sizing and additional specifications.

Bioretention Facility

Plan (Not to Scale)



Note: Call out elevations of curb, pavement, inlet, top of soil layer (TSL), bottom of soil layer (BSL), and bottom of gravel layer (BGL) at all inlets and outlets and at key points along edge of facility.

ATTACHMENT 6

OWNER'S CERTIFICATION

OWNER'S CERTIFICATION

I, the undersigned, certify that all land clearing, construction and development shall be done pursuant to the approved plan.

Company/Corporation/Partnership Name (Seal)

By: _____

(Type Name)

(Type Title)

STATE OF _____

COUNTY OF _____