

DIESEL TANK REMOVAL

RELIABLE TRUCKING INC.,
51 EL CHARRO ROAD, PLEASANTON, CA 94588

for

RELIABLE TRUCKING INC.
5141 COMMERCIAL CIRCLE
CONCORD, CA94520

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PLANS PREPARED BY:

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LOCATION MAP

SCOPE OF WORK

PLANS

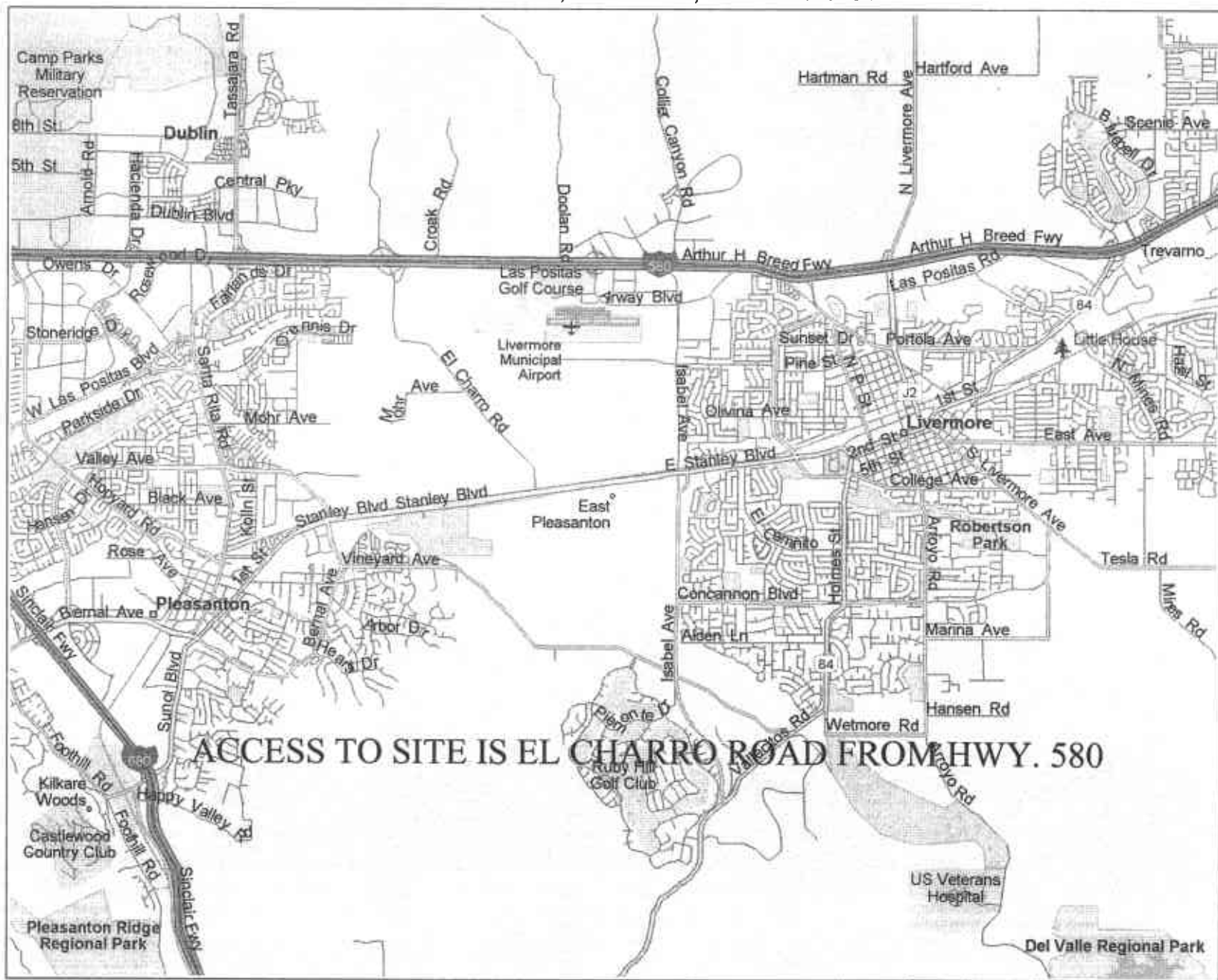
SITE PLAN

DIESEL FUEL ISLAND & TANK AREA

PHOTO'S

SPECIFICATIONS

East Pleasanton, California, United States



SCOPE OF WORK

The scope of work is to remove one 10,000 gallon fiberglass underground #2 diesel fuel storage tank and piping, the dispensers and pump islands, concrete bollards and the vent piping and riser. The concrete tank slab will be sawcut and removed. The drive slabs will be removed. The 2 precast concrete vaults and the cast in place vault is to remain. The yard light and standard is to remain.

1. The owners agent will procure the necessary permits. The fees will be reimbursed by the owner. A permit is required from the County Health and Environmental Department and the Fire Department of jurisdiction.
2. The contractor must be properly licensed and hold any necessary certificates to demonstrate that they have the experience and the expertise to perform the work. The contractor shall submit his safety plan as part of the submittal package and the safety plan shall be site specific.
3. Sawcut and break out and remove concrete pavements to allow the removal of the tank and piping and related equipment. Care shall be taken when breaking the concrete tank slab so not to damage the tank. The tank will be pumped dry prior to demolition work.
4. Excavate to expose the tank and underground piping in preparation for removal
5. Remove the pumps from the islands and any other equipment that is to be removed under this contract.
6. Drain the piping back to the tanks and rinse same prior to removal or abandonment. In all cases the product and vapor return piping will be removed and in most cases the vent piping will also be removed. In some cases the vent piping may be under concrete structures and or pavements that are not going to be replaced and in those cases this will have to be discussed with the County to get approval to abandon those parts that are under the concrete pavements that are to remain..
7. Remove all product from the tank by triple rinsing the tanks with water and properly dispose of the rinsate.

8. Degas the tank by an approved method. The most commonly approved method is the use of dry-ice at the rate of 20# per 1,000 gallons of capacity. The atmosphere of the tank shall also be checked with an approved device. The acceptable range is 10% LEL.

9. The contractor is responsible to schedule the Health and Fire Departments to inspect the removal of the tanks and the sampling of the soils in accordance with the permits.

10. Excavate and remove the tanks and piping and take samples of the soil as provided by the permit and directed by the Health Department or the Environmental Consultant. At a minimum take a soil sample from under each end of each tank and one for every 20' of piping trench. On tanks of 550 gallons or less one sample from under the fill end may be sufficient.

11. Dispose of the tank and piping in an approved manner. The most common disposal being by an approved TSD Facility and most of these facilities provide the transportation. The handling and transportation of contaminated and or hazardous materials must be in accordance with all applicable regulations of the Department of Transportation, The Environmental Protection Agency, The California Highway Patrol, The California Dept. of Health Services and Cal OSHA.

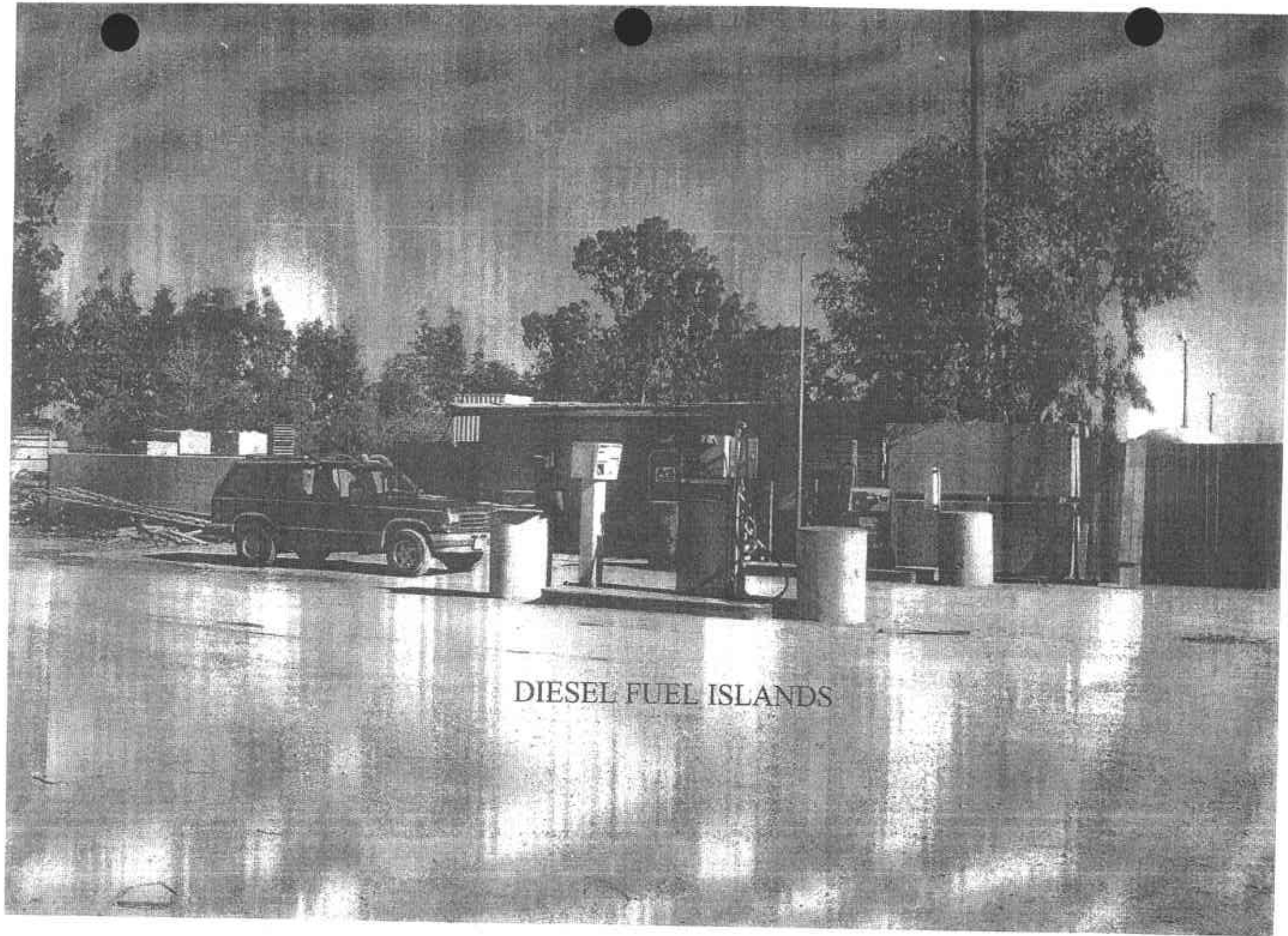
12. The excavations to be backfilled and compacted to 90% with the top 24" to 95%. The use of an acceptable clean peagravel in lieu of taking compaction tests will be allowed. All loose material will be removed from the excavation before the backfilling is started. The backfilling will be done as soon as practical. In no cases will contaminated material be put back into the excavation.

13. Dispose of contaminated soils to the proper Class of landfill and the disposal will be done under manifest as provided by the permits and the landfills permit to operate. The manifests are to be signed by the owners representative who may be an employee of the owner with the authority to do so or the Environmental Consultant.

14. Only minor remediation is anticipated and this will be done under unit costs per the bid form. The unit costs are by the ton of contaminated soil and all costs of excavation stockpiling, testing, loading, transportation and disposal shall be in each unit cost. Remediation work that is not covered by the unit costs will be on a negotiated or on a time and material basis.

15. This scope of work may not be complete and is not intended to cover all aspects of the work required. The contractor is required to furnish all labor, materials, tools and equipment in order to complete the removal and disposal of the tanks and piping.

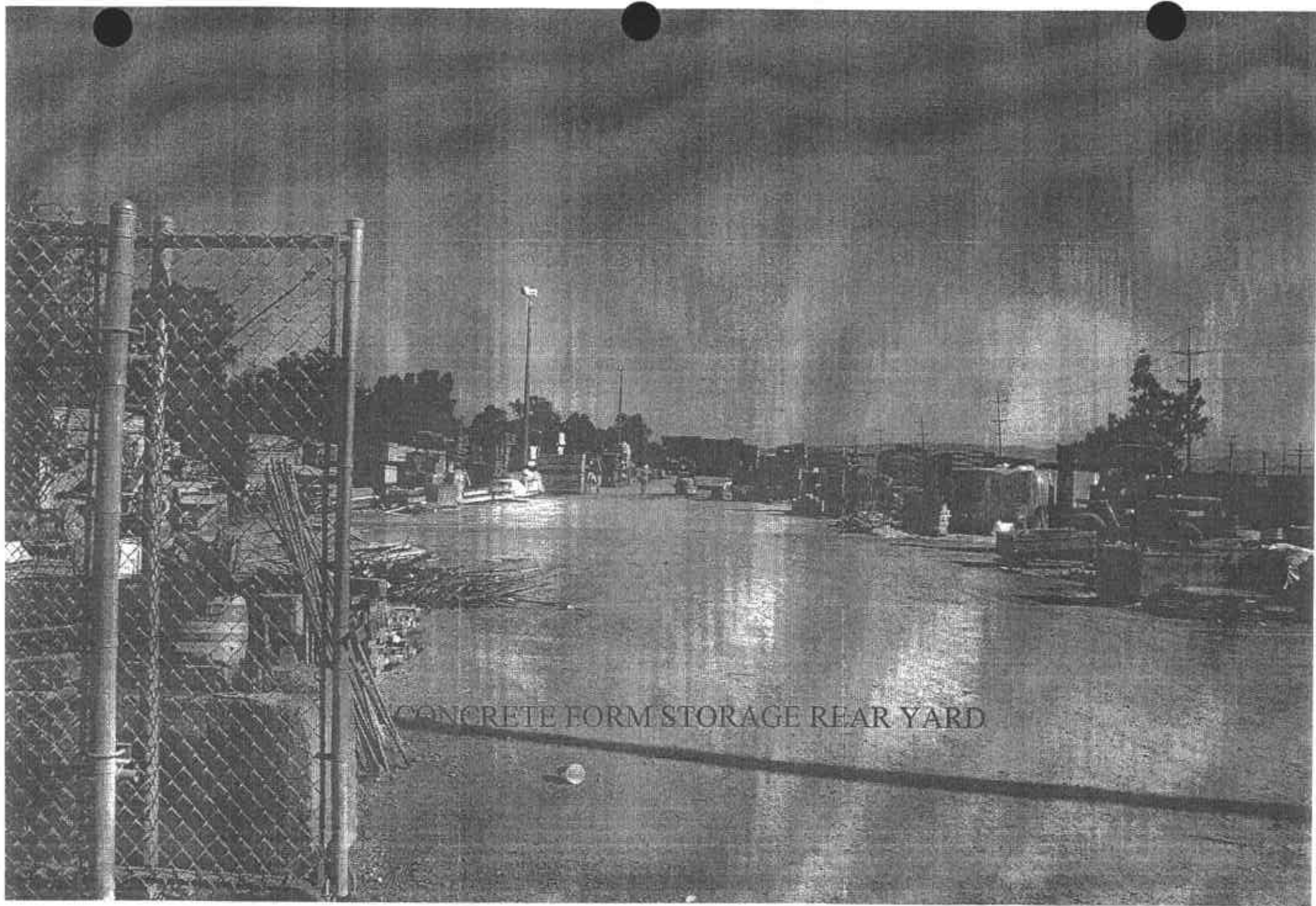
16. Time is of importance. Permits are to be taken out as soon as the contract is issued to the prime contractor so that the removal work which will be one of the first items of work can proceed without delay.



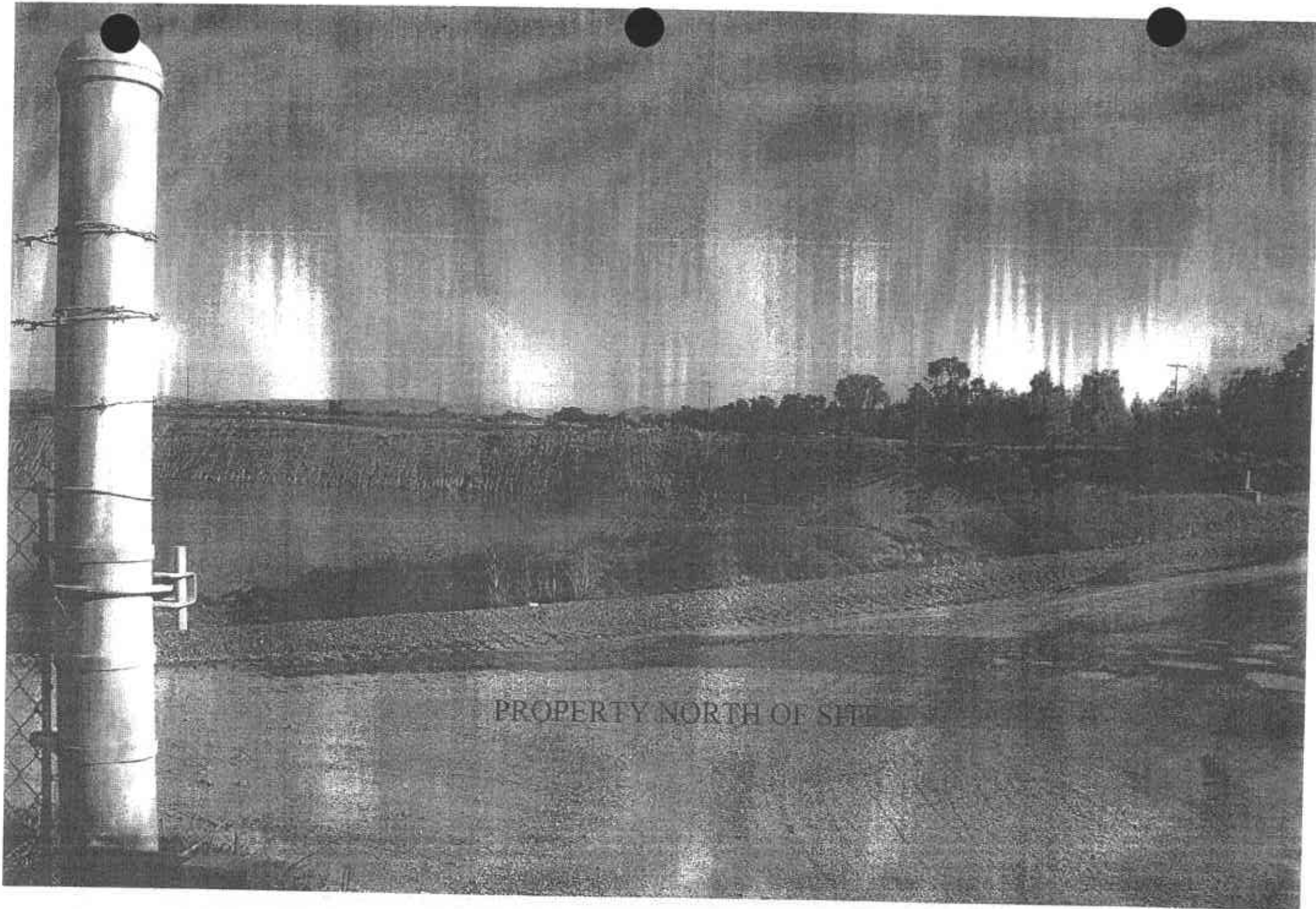
DIESEL FUEL ISLANDS



EQUIPMENT PARKING AND ACCESS FRONT YARD



CONCRETE FORM STORAGE REAR YARD



PROPERTY NORTH OF SITE

SECTION 2.1 DEMOLITION

PART 1.00 - GENERAL

1.01 DESCRIPTION:

A. Work Included:

1. Demolition and complete removal off the site, of all structures described on the demolition plan that are to be removed, including but not limited to excavated material, concrete, asphalt paving and debris.
2. All drains and utilities shall remain unless indicated otherwise.

B. Related Work Specified Elsewhere:

1. Excavation: Section 2.2

1.02 REFERENCE DOCUMENTS:

All Work done under this section shall be performed as specified in the Standard Specifications for Public Works Construction, 1997 edition, and all pertinent codes and regulations.

1.03 JOB CONDITIONS:

A. Dust Control:

Use all means necessary to prevent the spread of dust during performance of the work of this section; thoroughly moisten all surfaces as required to prevent dust from being a nuisance to the public, neighbors, and concurrent performance of other work on the site.

B. Burning:

Burning of waste from this and other operations will not be permitted.

C. Protection:

Use all means necessary to protect existing objects designated to remain, adjacent buildings, and foundations. Any damage to facilities to remain shall be repaired or replaced to the satisfaction of the Engineer at no additional cost to the owner.

SECTION 2.1 DEMOLITION

PART 2.00 - PRODUCTS

2.01 GENERAL:

See Section 1.5 (Temporary Facilities and Controls)

2.02 OTHER MATERIALS:

All other materials not specifically described, but required for proper completion of the Work of this section, shall be as selected by the Contractor subject to the approval of the Engineer.

PART 3.00 - EXECUTION

3.01 GENERAL:

A. Notification:

Notify the Engineer at least three (3) full working days prior to commencing the work of this section.

B. Site Inspection:

3. Prior to all work stated in this section, carefully inspect the entire site and all objects designated to be removed and to be preserved.

C. Work Area:

Contractor shall use Work area within the yard as a base for his operations.

D. Clarification:

1. The Drawings do not purport to show all objects existing on the site.
2. Before commencing the work of this section, verify with the Engineer all objects to be removed and all objects to be protected and preserved.

E. Scheduling:

1. Schedule all work to minimize inconvenience.

SECTION 2.1 DEMOLITION

2. Maintain public access to buildings and facilities. Where interference to access is unavoidable, obtain the Engineer's approval prior to beginning this phase of work.

F. Protection of Utilities:

Preserve in operating condition all active utilities traversing the site and designated to remain.

3.02 DEMOLITION:

All demolition shall be done such that debris will not cause damage to adjoining buildings, properties, or vehicles.

3.03 REMOVAL OF DEBRIS:

Remove all debris from the site and leave the site in a neat and orderly condition subject to the approval of the Engineer.

SECTION 2.2 EXCAVATION, FILLING & GRADING

PART 1.00 - GENERAL

1.01 DESCRIPTION:

A. Work Included:

Excavating, filling and grading required for this Work includes, but is not necessarily limited to:

1. Excavating for underground storage tank removal;
2. Filling and backfilling to attain indicated grades;
3. Rough and finish grading of the site.
4. Disposal of noncontaminated material.

B. Contractor shall take special precautions to prevent damage to the existing equipment and underground storage tanks.

C. Related Work Described Elsewhere:

Quality control: Section 1.4

1.02 REFERENCE DOCUMENTS:

All Work done under this Section shall be performed as specified in the Standard Specifications for Public Works Construction, 1997 Edition; and all pertinent codes and regulations.

1.03 JOB CONDITIONS:

A. Dust Control:

1. Use all means necessary to control dust on and near the Work and on and near all off-site borrow areas if such dust is caused by the Contractor's operations during performance of the Work or if resulting from the condition in which the Contractor leaves the site.
2. Thoroughly moisten all surfaces as required to prevent dust from being a nuisance to the public, neighbors, and concurrent performance of other work on the site.

PART 2.00 - PRODUCTS

2.01 FILL MATERIAL, GENERAL:

A. Approval Required: All fill material shall conform with the Standard Specifications for Public Works Construction, 1997 Edition.

SECTION 2.2 EXCAVATION, FILLING & GRADING

2.02 TANK & PIPING BACKFILL MATERIAL:

Use only material specified by the tank and or piping manufacturer. In the absence of a mfg. specification use peagravel that is clean and naturally rounded with a mix of particle sizes not less than an 1/8" or more than 3/4". No more than 3% may pass a no. 8 sieve.

2.03 SUBMITTALS:

Within 10 calendar days after "Notice to Proceed", and before any backfill material is delivered to the site, submit description and the source of the backfill material to the Engineer for approval.

PART 3.00 - EXECUTION

3.01 GENERAL:

A. Familiarization:

Prior to all work of this Section, become thoroughly familiar with the site, the site conditions, and all portions of the Work falling within this Section.

B. Backfilling Prior to Approval:

1. Do not allow or cause any of the work performed or installed to be covered up or enclosed by work of this Section prior to all required inspections, tests, and approvals.

3.02 EXCAVATING:

A. Depressions resulting from removal of obstructions:

Where depressions result from, or have resulted from, the removal of surface or subsurface obstructions, open the depression to equipment working width and remove all debris and soft material as directed by the Engineer.

B. Overexcavation:

Backfill and compact all overexcavated areas as specified in section 2.2, paragraph 3.04 at no additional cost to the Owner.

C. Take necessary precautions to prevent damage to the gasoline island canopy, its columns, and other items designated to remain.

SECTION 2.2 EXCAVATION, FILLING & GRADING

3.03 EXCESS WATER CONTROL:

A. Unfavorable Weather:

1. Do not place, spread or roll any fill material during unfavorable weather conditions.
2. Do not resume operations until moisture content and fill density are satisfactory to the Engineer.

B. Flooding:

Provide berms or channels to prevent flooding of subgrade; promptly remove all water collecting in depressions.

C. Softened Subgrade:

Where soil has been softened or eroded by flooding or placement during unfavorable weather, remove all damaged areas and recompact as specified for fill and compaction below.

D. Dewatering:

Provide and maintain at all times during construction, ample means and devices with which to promptly remove and dispose of all water from every source entering the excavations or other parts of the work.

3.04 FILL AND COMPACTION:

A. Filling:

After subgrade compaction has been approved by the Engineer, spread approved fill material in layers not exceeding eight inches in uncompacted thickness.

B. Moisture-Conditioning:

Water or aerate the fill material as necessary and thoroughly mix to obtain a moisture content which will permit compaction to the minimum degree of compaction specified.

C. Compaction, General:

Compact each soil layer to at least the specified minimum degree to a depth of 12" minimum below base course; repeat compaction process until plan grade is attained.