NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

Field Observation Memo

10641 HUMBOLT STREET
LOS ALAMITOS, CALIFORNIA 90720
PHONE 562.799.9469 • FAX 562.799.9459

Project BOEING Date 9-29-01

Address N- FRANCISCO BETWEEN NORMANDIE AND HARBOR GATE WAY CA. Project Number 5936-96

INSPECTED IMPORT FROM BEVERLY GLEN AT ABOVE ADDRESS. IMPORT SOILS ARE FOUND SUITABLE FOR ENGINEERED FILL PER NORCALS REQUIREMENTS.

Accepted by

NorCal Representative

NORCAL ENGINEERING
SOILS AND GEOTECHNICAL CONSULTANTS

Field Observation Memo

10641 HUMBOLT STREET
LOS ALAMITOS, CALIFORNIA 90720
PHONE 562.799.9469 • FAX 562.799.9459

Project BOEING Date 9-28-01

Address N- FRANCISCO BETWEEN NORMANDIE AND HARBOR GATE WAY LA. Project Number 5936-96

OBSERVED AND TESTED GRADING OPERATIONS AT ABOVE ADDRESS. CONCRETE AND PIPE DEBRIS ARE BEING ADEQUATELY REMOVED. TESTS RESULTED IN 90% OR BETTER RELATIVE COMPACTION.

Accepted by

Randy Beck

NorCal Representative

BOE-C6-0063332

NORCAL ENGINEERING

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Field Observation Memo

10641 HUMBOLT STREET
LOS ALAMITOS, CALIFORNIA 90720
PHONE 562.799.9469 • FAX 562.799.9459

Project BOEING Date 9-27-01

Address N. FRANCISCA BETWEEN NORMANDIE AND HARBOR GATE WAY LA. Project Number 5936-96

OBSERVED AND TESTED GRADING OPERATIONS AT ABOVE ADDRESS. TESTS RESULTED IN 90% OR BETTER RELATIVE COMPACTION. TWO ABANDOND UTILITY PIPES AT EDGE / BORDER OF NORTH AREA WILL BE CAPPED AT LATER DATE.

Accepted by

Randy Bock

NorCal Representative

NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

Field Observation Memo

10641 HUMBOLT STREET
LOS ALAMITOS, CALIFORNIA 90720
PHONE 562.799.9469 • FAX 562.799.9459

Project BOEING

Date 9-26-96

Address N- FRANCISCO BETWEEN NORMANDIE AND HARBOR GATE WAY LA.

Project Number 5936-96

OBSERVED AND TESTED GRADING OPERATIONS AT ABOVE ADDRESS. ABANDOND UTILITIES, DUCT BANK, CONCRETE DEBRIS ARE ADEQUATELY BEING REMOVED. TESTS RESULTED IN 90% OR BETTER RELATIVE COMPACTION.

Accepted by

Randy Bo[illegible]

NorCal Representative

[illegible]

NORCAL ENGINEERING
SOILS AND GEOTECHNICAL CONSULTANTS

Field Observation Memo

10641 HUMBOLT STREET
LOS ALAMITOS, CALIFORNIA 90720
PHONE 562.799.9469 • FAX 562.799.9459

Project Boeing Date 10-5-01

Address N- FRANCISCO BETWEEN HARBOR GATE AND NORMANDIE LA. Project Number 5976-96

OBSERVED AND TESTED GRADING OPERATIONS AND KNOX ST. UTILITY EXCAVATION. UTILITY PIPE FOR KNOX WAS OBSERVED TO BE PROPERLY PLACED ON TOP OF SAND BEDDING. TESTS RESULTED IN 90% OR BETTER RELATIVE COMPACTION.

Accepted by

NorCal Representative

NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

Field Observation Memo

10641 HUMBOLT STREET
LOS ALAMITOS, CALIFORNIA 90720
PHONE 562.799.9469 • FAX 562.799.9459

Project BOEING Date 10-4-01

Address N - FRANCISCO BETWEEN NORMANDIE AND HARBOR GATEWAY LA. Project Number 5976-96

OBSERVED AND TESTED GRADING OPERATIONS AND KNOX ST. UTILITY TRENCH EXCAVATION AT ABOVE ADDRESS. TESTS RESULTED IN 90% OR BETTER RELATIVE COMPACTION. ABANDONED PIPES AND CONCRETE DEBRIS ARE BEING ADEQUATELY REMOVED FROM FILL SOILS.

Accepted by

NorCal Representative

NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

Field Observation Memo

10641 HUMBOLT STREET
LOS ALAMITOS, CALIFORNIA 90720
PHONE 562.799.9469 • FAX 562.799.9459

Project BOEING Date 10-3-01

Address N. FRANCISCO BETWEEN NORMANDIE AND HARBOR GATE WAY. LA. Project Number 5976-96

OBSERVED AND TESTED GRADING OPERATIONS AT ABOVE ADDRESS. TESTS RESULTED IN 90% OR BETTER RELATIVE COMPACTION. CONCRETE DEBRIS ARE ADEQUATELY BEING REMOVED. BOTTOMS ARE APPROVED APPROXIMATELY 12'-15' INTO COMPITANT NATIVE MATERIAL.

Accepted by

NorCal Representative

NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

Field Observation Memo

10641 HUMBOLT STREET
LOS ALAMITOS, CALIFORNIA 90720
PHONE 562.799.9469 • FAX 562.799.9459

Project Boeing Date 10-2-01

Address N - Francisco Between Normandie Project Number 5936-96
and Harbor Gateway LA

Observed and tested grading operations at above address. Concrete debris and abandoned pipe are adequately being removed. Test results in 90% or better relative compaction.

Accepted by

NorCal Representative

NORCAL ENGINEERING

SOILS AND GEOTECHNICAL CONSULTANTS

Field Observation Memo

10641 HUMBOLT STREET
LOS ALAMITOS, CALIFORNIA 90720
PHONE 562.799.9469 • FAX 562.799.9459

Project BOEING

Date 19-1-01

Address N - FRANCISCO BETWEEN NORMANDIE AND HARBOR GATE WAY LA.

Project Number 5936-98

OBSERVED AND TESTED GRADING OPERATIONS AT ABOVE ADDRESS. TESTS RESULTED IN 90% OR BETTER RELATIVE COMPACTION.

Accepted by

NorCal Representative