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 10-22-01

Address N. FRANCISCO 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. IMPORT MATERIALS.

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 10-19-01

Address N - Francisco Between Normandie and Harbor Gateway CA.

Project Number 5936-96

Observed and tested grading operations at above address. 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 10-18-01

Address NORTH WEST CORNER OF FRANCISCO & NORMANDIE AVE. Project Number 5936-96
LOS ANGELES

Observed and tested northeast corner for Harbogate Way Development located at the above address. The compaction tests resulted in a minimum of 90% relative compaction or greater with suitable moisture content

Accepted by

NorCal Representative

Ted Tolfson

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 10-18-04

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

OBSERVED AND TESTED GRADING OPERATION AT ABOVE ADDRESS. IMPORT SOILS FROM COUNTY CITY, HARBOR COLLEGE. 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 10-16-01

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

OBSERVED AND TESTED GRADING OPERATIONS AT ABOVE ADDRESS ADDRESS. IMPORT SOILS FROM CENTURY CITY AND HARBOR COLLEGE WERE BROUGHT IN TODAY. 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 10-15-01

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

INSPECTED GRADING OPERATIONS AND KNOX ST. UTILITIES. NO BACK FILL OF KNOX UTILITY TRENCH UNTIL TESTED PRESSURE. NO IMPORTS SOILS FOR GRADING CAMEING IN.

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 10-13-01

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

OBSERVED AND INSPECTED IMPORT SOIL FOR GRADING AT ABOVE ADDRESS.

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 10-12-01

Address N. FRANCISCO BETWEEN NORMANDIE AND HARBOR GATEWAY LA. Project Number 5926-96

OBSERVED AND TESTED KNOX ST UTILITY TRENCH BACK FILL AT ABOVE ADDRESS. MONITORED IMPORT MATERIAL. TESTS RESULTED IN 90% OR BETTER RELATIVE COMPACTION. UTILITY TRENCH IS BROUGHT TO SUBGRADE.

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 10-11-01

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

Project Number 5936-96

OBSERVED AND TESTED KNOX ST. PONE AND GAS UTILITY TRENCH BACK FILL OPERATIONS AT ABOVE ADDRESS. 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 10-10-01

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

OBSERVED AND TESTED KNOX ST. UTILITY TRENCH BACK FILL OPERATIONS. TESTS RESULTED IN 90% OR BETTER RELATIVE COMPACTION. GRADING OPERATIONS WERE HELD UP DUE TO NO IMPORT SOILS TODAY.

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 10-9-01

Address N. FRANCISCO BETWEEN NORMANDIE AND HARBOR GATE WAY LA. Project Number 5936-76

OBSERVED AND TESTED KNOX ST. UTILITY TRENCH EXCAVATION BACK FILL AND GRADING OPERATIONS AT ABOVE ADDRESS. TESTS RESULTED IN 90% OR BETTER RELATIVE COMPACTION. SOILS IMPORT SAMPLE IS TAKEN FOR LABORATORY ANALYSIS, SOURCE - UCLA.

IMPORT MATERIAL FROM HARBOR COLLEGE WAS SHUT DOWN DUE TO HIGH QUANTITIES OF ORGANICS AND DEBRIS.

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 10-8-01

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

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

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 3-5-02

Address N OF FRANCISCO STREET Between HARBOR GATEWAY & NORMANDIE Project Number 5936.96

Los Angeles, CA

OBSERVED AND TESTED Import and grading operations for lots 9 and 12. Import material was tested to 90% or better relative compaction. Additional Backfilling in progress will return 3-6-02.

Accepted by

NorCal Representative (MIKE)

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 3-04-2002

Address N. of Francisco street Between Hawthorne Wy & Normandie Los Angeles, Calif.

Project Number 5936-96

Observation and testing of continued import and grading operations for lots 9 and 12. All grading done today with approved import material was observed by this firm and all compaction tests taken today resulted in 90% or above of the laboratory standard. The import and grading operations will be continued tomorrow.

Accepted by

NorCal Representative

Javier Sanchez

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 3-01-2009

Address N of Francisco st. Between Harbergate Wy & Normandie Project Number 5936-96

Los Angeles, Calif

Observation and testing of continued import and grading operations for lots 9 and 12. All grading done today with approved import soils was tested to a minimum of 90% relative compaction. The import and grading operations will be continued Monday 3-04-2009.

Accepted by

NorCal Representative

Javier Sanchez

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 2-28-2002

Address N. Of Francisco st. Between Harbergate Wy & Normandie Av Project Number 5936-96

Los Angeles, Calif.

Observation and testing of continued import and grading operations for lots 9 and 12. All grading done today with approved import soils was observed by this firm and all compaction tests taken resulted in 90% or above of the laboratory standard. The import and grading operations will be continued tomorrow.

Accepted by

NorCal Representative

Javier Sanchez

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 2-27-2002

Address N. of Francisco Street, Between Harbogate Wy & Normandie Project Number 5936-96

Los Angeles, Calif.

Import and grading operations for lots 9 and 12 were canceled for today by the grading to be continued possible tomorrow. No testing or approvals were performed at this time.

Accepted by

NorCal Representative

Javier Sanchez