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 1-03-2002

Address W. Of Francisco st. Between Hawthorne Wy & Normandie Ave

Project Number 5936-96

Los Angeles, Calif.

Observation of street grading operations for the east ± 200 feet of Knox street. Due to the recent rains the existing subgrade soils are saturated and not suitable for grading in their current condition, however the graders are ~~not~~ removing all these saturated/loose soils and the low areas will be replaced with base material. This subgrade will be inspected and tested tomorrow prior to the placement of base material.

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 12-27-2001

Address N. of Francisco street, Between Hawthorne Wy & Normandie Ave — Project Number 5936-96

Los Angeles, Calif.

Observation and testing of backfill operations for a water line trench ± 100' long by ± 6' deep located at the east end of Knox St. All tests taken today resulted in 90% or above of the laboratory standard. The backfill operations will be continued tomorrow.

Accepted by

Javier Sanchez
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 12-26-2001

Address N. Of Francisco stret Between Harborgate Way & Normandie

Project Number 5936-96

Los Angeles, Calif.

Observed the Sand bedding operations for water pipes located at east end of Knox street. This sand will be properly water Jetted and the trench backfilled tomorrow morning. No compaction tests were performed at this time.

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 12-21-2001

Address N. Of Francisco street, Between Hawthorne Wy & Normandie Ave Project Number 5936-96

Los Angeles, Calif.

Due to recent and present rains all grading and backfill operations were cancelled for today and will be continued at a later date. No testing or approvals were performed at this time.

Rain day

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 12-19-2001

Address N. of Francisco st. Between Harbargate Wy & Normandie Ave
Los Angeles, Calif.

Project Number 5936-96

Observation and testing of rough grading operations for lots 9 and 12. All subgrade tests taken today resulted in 90% or above of the laboratory standard. The grading operations will be continued tomorrow

Accepted by

Javier Sanchez
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 12-18-2001

Address N. of Francisco Street. Between Harborgate Wy & Normandie Av Project Number 5936-96

Los Angeles, Calif

- Observation of fine grading operations for lots 9 and 12, at the above location. No fills were done at this time.
- The water pipe vault located at south of Knox Street Station 10+00 was backfilled with loose soils to be properly compacted tomorrow. No compaction tests or approvals were performed at this time.

Accepted by

NorCal Representative

Javier Sanchez