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 3-20-01

Address SW of NORMANDIE 190 TH ST. LA, CA. Project Number 5936-96

I OBSERVED AND TESTED BACK FILL OPERATIONS FOR EXCAVATION BACK FILL OF FORMER BUILDING 1. ALL AREAS TESTED TO 90% OR BETTER RELATIVE COMPACTION. RECOMMEND TO REMOVE ALL CONSTUCTION DEBRIS IF ANY. ALL IMPORT SOILS BROUGHT IN TODAY ARE FOUND TO BE SUITABLE FOR FILL BY NORCAL.

Accepted by

NorCal Representative

Rick Astorga

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 3-20-2001

Address West of Normandie Ave - South of 190th St.
Los Angeles, Calif.

Project Number 5936-96

Supervised import and backfill operations for removed basement at former building. 1. All import materials delivered to job site today were found to be suitable for backfill. The backfill operations and compaction testing are being performed by our soils technician on site.

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 3-19-2001

Address W. of Normandie Ave, South of 190th St. Project Number 5936-96

Los Angeles, Calif.

Supervised import and backfill operations for basement excavation at former building 1. All the import materials are suitable for backfill and the compaction is being observed and tested by a technician on site.

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 3-22-01

Address SW-NORMANDIE 190TH ST. LA, CA. Project Number 5936-96

OBSERVED AND TESTED BACK FILL OPERATIONS OF BASEMENT FORMER BUILDING 1. ALL AREAS TESTED TO 90% OR BETTER RELATIVE COMPACTION. ALL IMPORT MATERIALS COMING IN TODAY ARE FOUND TO BE SUITABLE SOILS FOR BACK FILL. RECOMMEND TO REMOVE ALL CONSTRUCTION DEBRIS FROM IMPORTS IF ANY.

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 3-21-2001

Address W. of Normandie Ave - South of 190th St Project Number 5936-96

Los Angeles Calif

Supervised import and backfill operations for excavation from removed basement at former building 1.
Observation of backfill operations and compaction testing is being performed by our soils technician on site. See technicians field memo for more information.

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 3-21-01

Address SW NORMANDIE 190TH ST. LA, CA, Project Number 5936-96

OBSERVED AND TESTED BACKFILL OPERATIONS OF FORMER BUILDING 1. ALL AREAS TESTED TO 90% OR BETTER RELATIVE COMPACTION. IMPORTED SOILS FROM CATALINA DR. WERE APPROVED AND USED IN BASEMENT BACK FILL OPERATIONS. ALL SOILS FROM ALAMEEDA HAVE NOT BEEN USED AND WILL BE KEPT ON STOCK PILE. RECOMMEND ALL CONSTRUCTION DEBRIS TO BE REMOVED FROM BACK FILL IF ANY.

Accepted by

NorCal Representative

Rick Astaley