

**NOTICE OF A SPECIAL MEETING OF THE
BOARD OF DIRECTORS OF THE
SUCCESSOR AGENCY TO THE INDUSTRY
URBAN-DEVELOPMENT AGENCY**

TO THE MEMBERS OF THE SUCCESSOR AGENCY TO THE INDUSTRY URBAN-DEVELOPMENT, AND ALL OTHER INTERESTED PARTIES:

NOTICE is hereby given that the Successor Agency of the Industry Urban-Development Agency will hold a Special Meeting on Thursday, June 25, 2015 at 8:00 a.m., in the City of Industry Council Chamber, 15651 East Stafford Street, City of Industry, California 91744, to consider the following and to take actions in connection therewith:

1. Call to Order
2. Flag Salute
3. Roll Call
4. Presentation by Philip Sutton and Matthew Weinberg of Skyscraper Brewing Company to provide background information on the purchase/lease of Agency-owned property located at 19835 Walnut Drive North, in the City of Industry.

5. **BOARD MATTERS**

- 5.1 Consideration of the minutes of the May 14, 2015 special meeting of the Successor Agency to the Industry Urban-Development Agency.

RECOMMENDED ACTION: Waive reading and approve the minutes.

- 5.2 Consideration of Resolution No. SA 2015-08 - A RESOLUTION OF THE SUCCESSOR AGENCY TO THE INDUSTRY URBAN-DEVELOPMENT AGENCY RESCINDING RESOLUTION NO. SA 2013-04 AND AMENDING PARAGRAPH C OF SECTION 3 OF RESOLUTION NO. 2012-01 BY CHANGING THE DATE AND TIME OF REGULAR MEETINGS OF THE BOARD OF DIRECTORS.

RECOMMENDED ACTION: Adopt Resolution No. SA 2015-08.

- 5.3 Consideration of three Easement Grant Deeds from the Successor Agency to the Industry Urban-Development Agency to Walnut Valley Water District, for the groundwater pump station located at 21535 Baker Parkway.

RECOMMENDED ACTION: Approve the proposal, and authorize its execution.

- 5.4 Consideration of Contract Completion Documents for Contract No. GCD-0377R, Landscaping Baker Parkway Slopes: KASA Construction, in the amount of \$1,379,287.03, as identified in Line Item No. 102 of the Recognized Obligation Payment Schedule.

RECOMMENDED ACTION: Authorize the Agency Engineer to execute and file contract completion documents and to receive and file the final accounting.

- 5.5 Approval of Change Order No. 3 to C.A. Rasmussen, Inc., in the amount of \$322,397.80 to Back Cut Slope Failure/Slide Repair in conjunction with the Industry Business Center Phase 1 Mass Grading Far West Side, Contract No. IBC-0379, as identified in Line Item No. 270 of the Recognized Obligation Payment Schedule.

RECOMMENDED ACTION: Approve Change Order No. 3.

- 5.6 Approval of Change Order No. 2 to Sukut Construction, in the amount of \$264,073.21 for Extra Costs due to Oversize Rock and Extra Dry Material in conjunction with the Industry Business Center East Side Mass Grading, Contract No. IBC-0380, as identified in Line Item No. 271 of the Recognized Obligation Payment Schedule.

RECOMMENDED ACTION: Approve Change Order No. 2.

- 5.7 Approval of Change Order No. 3 to Sukut Construction, in the estimated amount of \$1,600,000.00 for Back Cut Slope Failure/Slide Repair in conjunction with the Industry Business Center East Side Mass Grading, Contract No. IBC-0380, as identified in Line Item No. 271 of the Recognized Obligation Payment Schedule.

RECOMMENDED ACTION: Approve Change Order No. 3, to be paid on time-and-material basis.

- 5.8 Consideration of rejecting all bids for Contract No. IBC-0383, Industry Business Center 66KV Transmission Line Relocation Project due to various discrepancies in the bids received and authorize re-advertising for solicitation of public bids for Contract No. IBC-0383R, for an estimated cost of \$650,000.00, as identified in Line Item No. 217 of the Recognized Obligation Payment Schedule.

RECOMMENDED ACTION: Reject all bids, approve the plans and specs, and authorize the re-advertising for receipt of sealed bids.

- 5.9 Status report on the disposition of Agency-owned properties.

RECOMMENDED ACTION: Receive and file the report.

6. Adjournment. If Item No. 5.2 is approved/adopted, the next regular Successor Agency meeting will be on Thursday, July 23, 2015 at 8:30 a.m.



**Mark D. Radecki, Chairman
Successor Agency to the
Industry Urban-Development Agency**

Dated: June 23, 2015



SUCCESSOR AGENCY TO THE INDUSTRY URBAN-DEVELOPMENT AGENCY

**SPECIAL MEETING AGENDA
JUNE 25, 2015 8:00 A.M.**

Location: City Council Chamber, 15651 East Stafford Street, City of Industry, California

Addressing the Agency:

- ▶ **Agenda Items:** Members of the public may address the Successor Agency on any matter listed on the Agenda. In order to conduct a timely meeting, there will be a three-minute time limit per person for any matter listed on the Agenda. Anyone wishing to speak to the Successor Agency is asked to complete a Speaker's Card which can be found at the back of the room and at each podium. The completed card should be submitted to the Secretary prior to the Agenda item being called and prior to the individual being heard by the Successor Agency.
- ▶ **Public Comments (Agenda Items Only):** During public comments, if you wish to address the Agency Board during this Special Meeting, under Government Code Section 54954.3(a), you may only address the Agency Board concerning any item that has been described in the notice for the Special Meeting.

Americans with Disabilities Act:

- ▶ In compliance with the ADA, if you need special assistance to participate in any meeting (including assisted listening devices), please contact the Office of the Secretary to the Successor Agency (626) 333-2211. Notification of at least 72 hours prior to the meeting will assist staff in assuring that reasonable arrangements can be made to provide accessibility to the meeting.

Agendas and other writings:

- ▶ In compliance with Government Code Section 54957.5(b), staff reports and other public records permissible for disclosure related to open session agenda items are available at City Hall, 15625 East Stafford Street, Suite 100, City of Industry, California, at the office of the Secretary of the Successor Agency during regular business hours, Monday through Friday, 9:00 a.m. to 5:00 p.m.

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SUCCESSOR AGENCY

ITEM NO. 4.



Skyscraper Brewing Company

19835 E. Walnut Dr. N
City of Industry, CA 91789

11 June 2015

Board Members of the Oversight Board of the
Successor Agency to the Industry Urban-Development Agency
15625 E. Stafford Street, Suite 100
City of Industry, CA 91744

RE: Skyscraper Brewing Co., Inc.
19835 East Walnut Drive North
City of Industry, CA 91789

Dear Mr. Chairman and Members of the Oversight Board:

Attached please find a synopsis and chronology of events that discuss a catastrophic impact to a once exponentially growing business. The synopsis is being provided for your review, per the request of the Board Chairman during/at the meeting of/on June 2, 2015, with the request made to Mr. George Monte, real estate consultant to and representative for Skyscraper Brewing Co., Inc.

We are pleased to have this opportunity to submit this synopsis which is in prelude to a PowerPoint based presentation requested to be exhibited to the Oversight Board during its July 2015 meeting – or its immediate rescheduled meeting.

We remain available to further discuss the contents of the synopsis and/or PowerPoint presentation, and look forward to resolving this extremely pressing matter in an expeditious and reasonable manner. Should you have any questions, please feel free to contact Matt Weinberg at (949) 533-6702.

Thank you for your time and we look forward to your response.

Sincerely,

A handwritten signature in black ink, appearing to read "Philip Sutton".

Philip Sutton
President

A handwritten signature in black ink, appearing to read "Matthew Weinberg".

Matthew Weinberg
Vice President



Skyscraper Brewing Company

19835 E. Walnut Dr. N
City of Industry, CA 91789

11 June, 2015

Board Members of the Oversight Board of the
Successor Agency to the Industry Urban-Development Agency
15625 E. Stafford St., Suite 100
City of Industry, CA 91744

Re: Skyscraper Brewing Company, Inc. and the property located at
19835 E. Walnut Drive North, City of Industry, CA 91789

Dear Mr. Chairman and Members of the Oversight Board:

At your request, Skyscraper Brewing Co., Inc., is pleased to provide for your review a synopsis and chronology of events that have proven to be a catastrophic impact to a business that was, prior to the below discussed events, on a solid growth path. It represents a business that produced a venerable menu of highly regarded, award winning micro-craft beers which attracted a strong patronage from local and non-local individuals and retail establishment alike. It is a business that has been built on hard work, dedication, determination and foresight, yielding a product line of beers not rivaled by its peers/competitors and thus gained a large market share within the craft/micro beer segment of the beer industry.

This letter was submitted in response to the Term Sheet draft dated January 14, 2015 (attached hereto), submitted by The Successor Agency of the Industry Urban-Development Agency for the creation of a long term lease to Skyscraper Brewing Co, Inc. of the property as above referenced, hereinafter referred to as the Subject Property. Incorporated into this letter of response is a chronology of the time, events, and the relationship as between the City of Industry, the former Industry Urban Development Agency, herein after referred to as IUDA, the Successor Agency to the Industry-Urban Development Agency, and Skyscraper Brewing Co., Inc. and its related company, Skyscraper Distributing Co., hereinafter and collectively referred to as Skyscraper.

Background Information

The beer industry continues to be in a state of change, offering a number of challenges. The large national and international breweries are losing market share, and sales of imports are expanding with moderate sales growth. The only segment of the industry that is indisputably growing is craft beer, which has experienced sales increases of between 15% to over 24% each year for the last seven years. Skyscraper has been a part of that growth trend.

The company was founded in 2005, and in 2007 began producing and commercially selling beer from its original manufacturing facility, located in the City of El Monte. Sales increased by at least 100% every year from 2008 to 2010, at which time the brewery attained full capacity. In addition to brewing flavorful, balanced beers, Skyscraper diversified into the distribution business, originally with its own Skyscraper brands/products. Skyscraper Distributing Company, a dba of Skyscraper Brewing Co., Inc., began with 25 accounts in 2008 and grew to service over 1,400 accounts by 2012, with services being provided by two (2) separate distribution facilities.

Skyscraper Brewing Co., Inc. is known for producing award-winning craft beers that are accessible to a wide audience. Skyscraper Distributing prides itself on outstanding service to local, independent restaurants, taverns, and liquor stores, as well as to local and nationwide chain stores. Skyscraper as a whole has gained a passionate, dedicated following in Los Angeles County and in surrounding areas. The Companies have maintained an excellent reputation for quality products, service, and community involvement. Because of this reputation, Skyscraper has been approached by an international brewing company, which expressed interest in forming an alliance with Skyscraper. This alliance would give the international brewer a foothold in the craft beer industry, especially in the local and surrounding areas, and its investment would enable Skyscraper to greatly expand its production capacity, as well as its sales and marketing abilities. Staffing requirements and job opportunities would increase accordingly. Skyscraper was known and highly regarded for compensating employees at well above minimum hourly wage levels, and for providing a flexible working environment – all well before the present labor-wage atmosphere.

However, based upon the present and continuing situation that has constrained Skyscraper for the past four (4) years, our reputation is in jeopardy, and thus this exciting opportunity for an alliance is unable to move forward. Additionally, existing jobs and employment opportunities have been destroyed.

By the middle of 2009, Skyscraper was approaching full production capacity at its El Monte facility. Despite brewing as much beer as physically possible in the facility, we chronically ran short of beers/products of our many different brands. We began searching for a new building to house a much larger, more efficient brewery and distribution facility. At that point, Skyscraper employed approximately twelve (12) people in the El Monte facility, four (4) personnel at our Central Coast distribution facility, and maintained a group of approximately fifteen (15) sales people to service existing accounts and to open new accounts. Our expansion plan called for increasing capacity and sales by at least 500% and creating at least twenty (20) new additional jobs. These new positions would span several different fields, including brewing, bottling, maintenance and facilities, management, office staff, delivery, and merchandising positions, again, with wage levels much higher than that of the minimum required (federal or state).

In early 2010, Skyscraper was approached by the City of El Monte, which wanted Skyscraper to remain in their community. The city manager and his assistants worked fervently to locate an existing facility that could be renovated and/or vacant land area upon which a new brewing and distributing facility could be constructed. At the same time (early 2010), and at the invitation of the City of Industry, Skyscraper began meeting with representatives of the City of Industry/IUDA. The personnel representing the City of Industry expressed a deep interest in wanting a brewery within their city limits, and accordingly showed us the Subject Property, situated at 19835 E. Walnut Dr. N., in which we are presently located, which was then and remains today an ideal building for our purposes. It is large enough to accommodate Skyscraper's present production and immediate expansion plans, while allowing for significant long-term growth. Additionally, the rear yard area, loading docks, and freeway

access make it a great fit for the manufacturing and distribution operations of our businesses. We decided that the Subject Property, in conjunction with the strong support offered by the City of Industry and the IUDA provided the best opportunity for Skyscraper to achieve its long-term goals and to be a strong supporter to the community.

A synopsis of the timeline of significant events in the relationship and negotiations between the City of Industry, IUDA, and Skyscraper is as follows:

May 2010	Letter of Intent signed with City (City of Industry–Urban Development Agency)
July 2010	Report from Alameda Corridor East (ACE), detailing work via Railway underpass.
October 2010	Term Sheet issued by Industry-Urban Development Agency
January 2011	Loan Commitment (operating and equipment capital) secured by Skyscraper
February 2011	Agreement with architects signed
June 2011	Use Permit issued by the City of Industry
June 2011	Development and Disposition Agreement (DDA) Draft completed

Based on initial discussions with Messrs. Reg Bottger, (City of Industry and IUDA), Kevin Ridecki, (City Manager, City of Industry), and Ray Anderson (Consultant to the City of Industry), Skyscraper planned to move into the Subject Property and begin production by June 2011. Accordingly, in January 2011, Skyscraper began winding down production in its El Monte facility and made logistical preparations for the move to the Subject Property in the City of Industry.

Unfortunately, the dissolution of the California Redevelopment Agencies halted all progress on our expansion following the move of all of our equipment and operations into the Subject Property. With no production, inventory was consumed and not able to be replenished, revenue plummeted, and the severe damage to Skyscraper’s brand and reputation began. Most of the products distributed by Skyscraper Distributing Company were manufactured in-house, consequently, distribution revenue fell precipitously.

Skyscraper was validly issued a Use Permit in June 2011. However, because the City of Industry has been unable to offer Skyscraper long-term stability at the Subject Property, we have been unable to proceed with our business operations, let alone our planned expansion. Additionally, we have lost existing brands and opportunities for distribution of new brands due to the fact that we are not allowed to even reconstruct our refrigeration system. Skyscraper has lost the ability to brew our existing brands and to fulfill our existing contract brewing obligations and therefore has lost those contract brewing brands. Consequently, we have laid off all our in-house employees and outside sales force. Skyscraper was pleased to support a number of local nonprofit organizations; we have been unable to assist those organizations and the vulnerable people they serve as a direct consequence of these events.

Since the transfer of the Subject Property per the DDA has not occurred per schedule, Skyscraper’s revenue has suffered catastrophically. The following chart exhibits the impact on revenue and brewing volumes.

Brewery operations - volume/revenue loss (1 barrel / 1bbl = 31 gallons (US))

<u>Year</u>	<u>Projected Volume</u>	<u>Actual Volume</u>	<u>Projected Revenue</u>	<u>Actual Revenue</u>	<u>Difference</u>
2010	-	1,800 bbl	-	\$470,238	-
2011	9,360 bbl	540 bbl	\$1,250,000	\$201,682	(\$1,048,318)
2012	18,030 bbl	0	\$2,400,000	0	(\$2,400,000)
2013	19,740 bbl	0	\$2,625,420	0	(\$2,625,420)
2014	24,000 bbl	0	\$3,192,000	0	(\$3,192,000)
2015	28,000 bbl	0	<u>\$3,724,000</u>	<u>\$0</u>	<u>(\$3,724,000)</u>
Total			\$13,191,420	\$671,920	(\$12,989,738)

Distribution -- revenue loss

Our projections show distribution revenue loss based upon potential sales as follows:

<u>Year</u>	<u>Skyscraper Sales</u>	<u>Non-Skyscraper Sales</u>	<u>Total Potential Sales</u>
2012/2013	(\$2,790,000)	(\$2,760,000)	(\$5,550,000)
2014	(\$3,391,500)	(\$3,022,000)	(\$6,413,500)
2015	<u>(\$3,724,000)</u>	<u>(\$3,350,000)</u>	<u>(\$7,074,000)</u>
Total	(\$9,905,500)	(\$9,132,000)	(\$19,037,500)

Consequently, combined brewery losses of **\$12,989,738** and distribution (including brands/ products produced by other breweries/manufacturers) revenue lost due to prevented sales of **\$19,037,500**, equating to a total loss to Skyscraper companies of **\$32,027,238**.

As previously mentioned, Skyscraper Distributing has lost brands based on lack of ability to equip, refrigerate, and therefore service contractual obligations. The brands lost were on a growth pattern of at least 25% per year, thus they would have contributed greatly to the revenue and cash flow of the overall business, benefiting Skyscraper Brewing and Distributing companies, as well as the community at many levels.

The inability of Skyscraper Brewing to produce product and therefore service its existing market has catastrophically impacted both the reputation and integrity of Skyscraper Brewing and its products. We estimate the impact of the calamitous disruption in our business to approximate at minimum of **\$2,500,000**.

Additional costs have been incurred by other entities/services based on the transaction with respect to the Subject Property. These costs are shown below:

<u>Costs/Obligations</u>	<u>Amount</u>
Architecture, Engineering, Mechanical	\$74,364
Real Estate Broker	\$228,000
Loan Broker Fees	\$55,000
Attorney Review Fees	\$29,000
Equipment – Unplanned sale	<u>\$175,000</u>
Total	\$591,364

Upon review of the term sheet provided by your office as above mentioned, the terms are essentially in concert with our many discussions and the latest lease proposal dated May 19, 2014, as submitted by Skyscraper Brewing Co., Inc. However, this lease proposal was subsequent to other lease proposals – all of which were submitted to the Successor Agency (successor to the IUDA) at the request of the City of Industry dated August 30, 2012, October 18, 2012, and April 8, 2013, which contained not only leasehold terms, but also terms of proposed financing and terms of settlement of damages caused to the business of Skyscraper Brewing Co., Inc. and its related dba business Skyscraper Distributing Co., damages that still exist and have been exacerbated by time and the ongoing and nonresultive discussions and meetings that have taken place.

As we all know, Skyscraper's very relationship with the City of Industry, inclusive of its prior and succeeding agencies, was predicated on the Development and Disposition Agreement (DDA) that was completely drafted and prepared for signature in early 2011. That DDA included financing to be underwritten and provided by/from the IUDA and the City of Industry.

During the period of late 2010 through and inclusive of 2014, several meetings took place. The meetings at different times included representatives of/from the IUDA and City of Industry, its legal counsel, as well as principals of Skyscraper, its real estate consultant, construction/renovation contractor, and on one occasion, legal counsel representing Skyscraper.

During the meetings in the time period of late 2010 to early 2011, Skyscraper was led to believe, indeed became reliant upon, the assertions made by the representatives of the IUDA and the City of Industry as to the financing terms submitted to Skyscraper and set forth by the IUDA, in the form of a term sheet and subsequent Development and Disposition Agreement (DDA) to be valid, reasonable, "doable," and would be approved by the City Council, City of Industry/IUDA. As indicated in previous paragraphs in this document, the final draft of the DDA was, indeed, completed and submitted for approval and final signature by/at the level of the City Council, City of Industry. Suddenly, and without any prior notice to Skyscraper by/from any personnel and/or representatives of/from the Industry-Urban Redevelopment Agency and/or the City of Industry, the principals of Skyscraper Brewing Co., Inc. were informed that the DDA had been removed from the agenda for the meetings of the City Council, City of Industry. From that point in time to the date of this document inclusive, no explanation has been provided and/or offered to Skyscraper for the abrupt change in the (represented to be) on-going process. It must be understood that the DDA had been submitted and scheduled for agenda/approval action prior to the dissolution of the Redevelopment Agencies by the State of California, and that prior to the submission of the DDA, principals of Skyscraper were assured that there were no problems in the deal or the process.

Notwithstanding the many inquiries made by the principals of Skyscraper as to who initiated the action, as well as who was involved in the action resulting in the removal of the DDA from the City Council agenda process, to date no explanation has been provided to Skyscraper by/from personnel, representatives, and /or consultants to/for the former Industry-Urban Development Agency and/or the City of Industry. It is disconcerting that at the time of the removal of Skyscraper's DDA from the approval process, neighboring cities were aggressively completing similar transactions.

Subsequent to the removal of the DDA document from the agenda/approval process of the City Council, City of Industry/IUDA, principals of Skyscraper and its real estate consultant were reassured that a "financeable instrument" would be drafted in order to retain Skyscraper brewing and distribution operations within the City of Industry - thus enabling Skyscraper to seek and obtain financing through a

private and/or institutional source(s).

The “financeable instrument” was to consist of documentation that would allow for subordination to the financing source/mortgage loan that would have provided a second mortgage, in back of a first mortgage that was to be provided by the IUDA. This aspect was discussed – specifically – many times during the meetings held in the period of 2011 to early 2013, and it was understood and agreed by all parties that the subordination consisted of and included the right of the financing source/lender to exercise foreclosure rights to the fee simple of the subject property in the event of default by Skyscraper.

However, in meetings held in late 2013 to early 2014, it was expressed to the principals of Skyscraper and its real estate consultant, by representatives of/for the former IUDA as well as for the City of Industry, that the term “subordination” was “misunderstood” and consequently, the subordination option would not extend to the lender’s right to foreclose as against the fee simple of the Subject Property based upon the event of default by Skyscraper. This latest change – or misunderstanding – has further exacerbated the already difficult task for Skyscraper to seek and obtain private and/or institutional financing. As a result of these events, the businesses of Skyscraper Brewing Co. Inc., and (dba) Skyscraper Distributing Co. have been further damaged and placed into jeopardy.

The Industry Urban–Development Agency was placed into the position of dissolution by the statutes passed by the legislature of the State of California, the consequences of which set in motion a series of events that have had and continue to have catastrophic effects on Skyscraper Brewing and Distributing companies, consequences that include, but are not limited to, the regulatory requirement of having to surrender all operating licenses issued by the Alcoholic Beverage Control Board (ABC), directly due to the prevention of being able to re-establish/re-install and operate brewing and/or refrigeration equipment – thus curtailing any ability of distribution of products brewed/manufactured by Skyscraper and/or other manufacturers. While these licenses can be restored upon recommencement of operations, this regulatory requirement has rendered Skyscraper and its companies inoperative, not being able to function and/or generate any revenue and immensely complicating the ability to seek and obtain feasible financing. In support of this is the fact that in institutional as well as non-institutional lending protocol/terms, the requirement exists that a lease term must exceed the loan term by at least ten (10) years.

Further, as a result of the recent break-in and extensive vandalism inflicted at the Subject Property, which consisted of the loss of and/or severe damage to the property, equipment, and trucks/vehicles owned by Skyscraper Brewing Co., Inc., Skyscraper has incurred additional significant damage to its fixtures, equipment and operations, and monetary losses.

Accordingly, it is incumbent that the lease/term sheet as submitted by your agent, draft dated January 14, 2015, be discussed or redrafted in a mode that more directly addresses the consequences thrust upon and damages inflicted to Skyscraper Brewing Co., Inc. and Skyscraper Distributing Co. As always, we remain available to meet with you in order to achieve a reasonable resolution to this extremely important matter.

Sincerely,

A handwritten signature in black ink, appearing to read "Philip Sutton". The signature is fluid and cursive, with the first name "Philip" written in a larger, more prominent script than the last name "Sutton".

Philip Sutton
President

A handwritten signature in black ink, appearing to read "Matthew Weinberg". The signature is cursive and somewhat stylized, with the first name "Matthew" written in a larger, more prominent script than the last name "Weinberg".

Matthew Weinberg
Vice-President

CC: Gustavo Lamanna, Esq.

**DRAFT DATED JANUARY 14, 2015/
FOR DISCUSSION PURPOSES ONLY**

NON-BINDING TERM SHEET

The Successor Agency to the Industry Urban-Development Agency ("Landlord") is pleased to submit the following basic terms of a Lease for 19835 East Walnut Drive, Industry, California (the "Premises"). It is important to note that these terms shall be included with other relevant items in a final Lease, which will not be binding unless all of the terms thereof are approved by both parties (and with respect to the Landlord, its Oversight Board and the California Department of Finance) in their sole and absolute discretion, and each party acknowledges that the other party may cease negotiations at any time.

1. **TENANT:** Skyscraper Brewing Company, a California corporation ("Tenant")
2. **PREMISES:** Tenant shall accept Premises in their current "AS-IS" condition.
3. **OPTION(S) TO EXTEND TERM:** Tenant shall have one (1) option to extend the Lease Term for a ten (10) year period. Tenant shall exercise the option by giving Landlord written notice of Tenant's exercise of such right twelve (12) months prior to the expiration of the Lease Term.
4. **SECURITY DEPOSIT:** \$_____.
5. **LEASE TERM:** Subject to the extension provided in Section 3, the term of the Lease shall be ten (10) years ("Lease Term").
6. **LEASE/RENT COMMENCEMENT DATE:** The term of the Lease shall commence upon approval of the Lease by the Landlord's Oversight Board and the California Department of Finance.
7. **USE:** The Premises shall be used solely for the operation of a brewery/warehouse facility in compliance with all applicable laws. Tenant shall make any changes to the Premises required by all existing laws or changes in laws.
8. **REPAIRS AND MAINTENANCE:** Tenant will keep the Premises in good condition and repair at its sole cost and expense.
9. **RENT:** The monthly Rent (on a triple-net basis) shall commence on the ninth (9th) month of the Lease Term, and during the first five (5) years of the Lease Term shall be in an amount equal to forty cents (\$0.40) a square foot of available space. Commencing in the sixth (6th) year of the Lease Term, the amount of Rent shall be increased by CPI (not to exceed three percent (3%)) in each year of the Lease Term.

10. **IMPROVEMENTS/
REPAIRS:** The Landlord shall have no obligation to make improvements to or repair the Premises, and the Tenant shall be solely responsible for all ordinary and extraordinary repairs and improvements to the Premises.
11. **TENANT
IMPROVEMENTS:** The Tenant shall obtain the consent of the Landlord (which shall not be unreasonably withheld) prior to commencing any Tenant improvements.
12. **ASSIGNMENT AND
SUBLETTING:** Subject to the provisions of Section 21, Tenant shall not have the right to sublease the Premises or assign the Lease without Landlord's prior written approval, in its sole and absolute discretion.
13. **BROKERAGE
COMMISSIONS:** Tenant hereby represents to Landlord that it has not engaged a broker in connection with this transaction. Landlord shall pay any broker engaged by Landlord.
14. **SIGNAGE:** Landlord (acting in its proprietary capacity as the landlord under the Lease) shall have a right to review and consent to Tenant's signage program, (which consent shall not be unreasonably withheld); however, Tenant's signage must comply with all applicable laws.
15. **POSSESSORY
INTEREST TAX:** Tenant shall pay all possessory interest taxes assessed against Tenant's interest in the Premises.
16. **MEMO OF LEASE:** As required by applicable law for municipal leases, each party shall sign a Memorandum of Lease, the signatures shall be acknowledged by a notary and the Memorandum shall be recorded in the County real estate records.
17. **LEASE FORM:** The Lease will be prepared by Landlord's counsel.
18. **ORG DOCS;
FINANCIAL
STATEMENTS:** Tenant shall deliver to Landlord copies of Tenant's organizational documents, lease authorization documents, and financial statements, all for Landlord's approval.
19. **OPTION TO
PURCHASE:** Tenant shall have the option to purchase the Premises at any time during the Lease Term ("Option"). If the Option is exercised during the first five (5) years of the Lease Term, the Purchase Price shall be Four Million Dollars (\$4,000,000). If the Option is exercised after the first five (5) years of the Lease Term, the Purchase Price shall be equal to the fair market value of the Premises as determined by a current appraisal acceptable in form and substance to Landlord.

20. INSURANCE: Tenant shall be solely responsible for providing and maintaining insurance on the Premises with the following coverages and limits:

21. LEASEHOLD MORTGAGE: Tenant may secure a borrowing for purposes of financing improvements to the Premises and provide a mortgage to its lender secured by the Tenant's leasehold interest and option right under the Lease. Any such borrowing shall be subject to the prior approval of the Landlord (which shall not be unreasonably withheld), and in no event will the Landlord permit its fee interest in the Premises to be subject to a lien securing such borrowing.

22. NON-BINDING: This Term Sheet is merely a preliminary statement of the parties' general intentions and does not contain all of the material business terms of the proposed transaction, and the business terms herein and such additional terms are subject to the further approval of the parties in their sole and absolute discretion. The parties mutually intend that neither shall have any binding contractual obligation to the other regarding this matter, unless a final lease document is approved and executed.

LANDLORD:

SUCCESSOR AGENCY TO THE INDUSTRY
URBAN-DEVELOPMENT AGENCY

By: _____
Print Name: _____
Title: _____

TENANT:

SKYSCRAPER BREWING COMPANY,
a California corporation

By: _____
Print Name: _____
Title: _____

SUCCESSOR AGENCY

ITEM NO. 5.1

SUCCESSOR AGENCY TO THE INDUSTRY URBAN-DEVELOPMENT AGENCY
SPECIAL MEETING MINUTES
CITY OF INDUSTRY, CALIFORNIA
MAY 14, 2015
PAGE 1

CALL TO ORDER

The Special Meeting of the Successor Agency to the Industry Urban-Development Agency was called to order by Chairman Spohn at 8:17 a.m., in the City of Industry Council Chamber, 15651 East Stafford Street, California.

FLAG SALUTE

The flag salute was led by Chairman Spohn.

ROLL CALL

PRESENT: Tim Spohn, Chairman
Jeff Parriott, Vice Chairman
Pat Marcellin, Board Member

ABSENT: John P. Ferrero, Board Member
Roy Haber, Board Member

MOTION BY BOARD MEMBER MARCELLIN, AND SECOND BY VICE CHAIRMAN PARRIOTT TO GRANT BOARD MEMBER FERRERO AND BOARD MEMBER HABER AN EXCUSED ABSENCE. MOTION CARRIED 3-0, WITH BOARD MEMBER FERRERO AND BOARD MEMBER HABER ABSENT.

STAFF PRESENT: Kevin Radecki, Executive Director; William L. Strausz, Legal Counsel; and Diane M. Schlichting, Assistant Secretary.

PUBLIC COMMENTS

There were no public comments.

CONSIDERATION OF THE MINUTES OF THE MARCH 25, 2015 SPECIAL MEETING OF THE SUCCESSOR AGENCY TO THE INDUSTRY URBAN-DEVELOPMENT AGENCY

MOTION BY VICE CHAIRMAN PARRIOTT, AND SECOND BY BOARD MEMBER MARCELLIN TO APPROVE THE MINUTES. MOTION CARRIED 2-0, WITH CHAIRMAN SPOHN ABSTAINING, AND BOARD MEMBER FERRERO AND BOARD MEMBER HABER ABSENT.

SUCCESSOR AGENCY TO THE INDUSTRY URBAN-DEVELOPMENT AGENCY
SPECIAL MEETING MINUTES
CITY OF INDUSTRY, CALIFORNIA
MAY 14, 2015
PAGE 2

CONSIDERATION OF AMENDMENT NO. 2 TO AGREEMENT FOR FINANCIAL ADVISORY SERVICES BETWEEN THE SUCCESSOR AGENCY AND NHA ADVISORS, LLC, WITH RESPECT TO THE DEVELOPMENT AND IMPLEMENTATION OF THE REFUNDING BOND PROGRAM

Legal Counsel Strausz presented a report and responded to questions from Members of the Successor Agency.

MOTION BY VICE CHAIRMAN PARRIOTT, AND SECOND BY BOARD MEMBER MARCELLIN TO APPROVE AMENDMENT NO. 2 TO AGREEMENT FOR FINANCIAL ADVISORY SERVICES. MOTION CARRIED 3-0, WITH BOARD MEMBER FERRERO AND BOARD MEMBER HABER ABSENT.

CONSIDERATION OF RESOLUTION NO. SA 2015-07 - A RESOLUTION OF THE SUCCESSOR AGENCY TO THE INDUSTRY URBAN-DEVELOPMENT AGENCY APPROVING FORMS OF PRELIMINARY OFFICIAL STATEMENTS, CONTINUING DISCLOSURE AGREEMENTS AND BOND PURCHASE AGREEMENTS IN CONNECTION WITH THE ISSUANCE, SALE AND DELIVERY OF THE CITY OF INDUSTRY PUBLIC FACILITIES AUTHORITY'S TAX ALLOCATION REVENUE REFUNDING BONDS, SERIES 2015 (CIVIC-RECREATIONAL-INDUSTRIAL REDEVELOPMENT PROJECT NO. 1), TAX ALLOCATION REVENUE REFUNDING BONDS, SERIES 2015 (TRANSPORTATION-DISTRIBUTION-INDUSTRIAL REDEVELOPMENT PROJECT NO. 2), AND TAX ALLOCATION REVENUE REFUNDING BONDS, SERIES 2015 (TRANSPORTATION-DISTRIBUTION-INDUSTRIAL REDEVELOPMENT PROJECT NO. 3), AND AUTHORIZING CERTAIN ACTIONS RELATING THERETO

Mr. Don Hunt, Bond Counsel with Norton, Rose, Fulbright, presented a report and responded to questions from Members of the Successor Agency.

MOTION BY VICE CHAIRMAN PARRIOTT, AND SECOND BY BOARD MEMBER MARCELLIN TO ADOPT RESOLUTION NO. SA 2015-07. MOTION CARRIED 3-0, WITH BOARD MEMBER FERRERO AND BOARD MEMBER HABER ABSENT.

CLOSED SESSION

1. CONFERENCE WITH LEGAL COUNSEL - ANTICIPATED LITIGATION
Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Section 54956.9: One Case

SUCCESSOR AGENCY TO THE INDUSTRY URBAN-DEVELOPMENT AGENCY
SPECIAL MEETING MINUTES
CITY OF INDUSTRY, CALIFORNIA
MAY 14, 2015
PAGE 3

Executive Director Radecki stated there was no need for the Closed Session.

ADJOURNMENT

There being no further business, the Successor Agency to the Industry Urban-Development Agency adjourned.

Tim Spohn, Chairman

Diane M. Schlichting, Assistant Secretary

SUCCESSOR AGENCY

ITEM NO. 5.2

RESOLUTION NO. SA 2015-09

A RESOLUTION OF THE SUCCESSOR AGENCY TO THE INDUSTRY URBAN-DEVELOPMENT AGENCY RESCINDING RESOLUTION NO. SA 2013-04 AND AMENDING PARAGRAPH C OF SECTION 3 OF RESOLUTION NO. SA 2012-01 BY CHANGING THE DATE AND TIME OF REGULAR MEETINGS OF THE BOARD OF DIRECTORS

WHEREAS, on February 8, 2012, the Board of Directors of the Successor Agency to the Industry Urban-Development Agency adopted Resolution No. SA 2012-01, establishing the dates and times for regular meetings of the Board of Directors; and

WHEREAS, on May 8, 2013, the Board of Directors adopted Resolution No. SA 2013-04 amending Resolution No. 2012-01, to change the date and time for regular meetings of the Board; and

WHEREAS, the Board of Directors desires to amend the date and time for regular meetings of the Board of Directors.

THE BOARD OF DIRECTORS OF THE SUCCESSOR AGENCY TO THE INDUSTRY URBAN-DEVELOPMENT AGENCY HEREBY FINDS, DETERMINES, RESOLVES, AND ORDERS AS FOLLOWS:

Section 1. Resolution No. SA 2013-04 is hereby rescinded in its entirety.

Section 2. The first sentence of Paragraph C of Section 3 of Resolution No. SA 2012-01 is hereby amended to read as follows:

C. Meetings of the Board. The Board shall hold regular meetings on the fourth Thursday of each month, at 8:30 a.m., in the Council Chambers located at 15651 East Stafford Street, City of Industry, California 91744.

Section 3. The provisions of this Resolution are severable and if any provision, clause, sentence, word or part thereof is held illegal, invalid, unconstitutional, or inapplicable to any person or circumstances, such illegality, invalidity, unconstitutionality, or inapplicability shall not affect or impair any of the remaining provisions, clauses, sentences, sections, words or parts thereof of the Resolution or their applicability to other persons or circumstances.

Section 4. That the Agency Assistant Secretary shall certify to the adoption of this Resolution and that the same shall be in full force and effect.

PASSED, APPROVED AND ADOPTED this 25th day of June, 2015, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

APPROVED:

Name: Mark Radecki
Title: Chairman

ATTEST:

Name: Diane M. Schlichting
Title: Assistant Secretary

STATE OF CALIFORNIA)
COUNTY OF LOS ANGELES) ss
CITY OF INDUSTRY)

I, Diane M. Schlichting, Assistant Secretary of the Successor Agency to the Industry Urban-Development Agency, do hereby certify that the foregoing Resolution No. SA 2015-09 was duly and regularly adopted at a special meeting of the Successor Agency to the Industry Urban-Development Agency, held on the 25th day of June, 2015, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

By _____
Diane M. Schlichting, Assistant Secretary

SUCCESSOR AGENCY

ITEM NO. 5.3

MEMORANDUM

TO: John D. Ballas, Agency Engineer **DATE:** June 17, 2015
FROM: Joshua Nelson **JOB NO.:** MP 99-31 #37A
SUBJECT: Approval of Easements to the Walnut Valley Water District

The Successor Agency to the Industry Urban-Development Agency (Successor Agency) constructed a water well on Successor Agency property prior to the dissolution of the Industry Urban-Development Agency. A water line exits the property to the south into Baker Parkway and connects to Walnut Valley Water District's (Water District) reclaimed water line system in the street. City of Industry businesses currently benefit from this water source as it is cheaper than potable water. The Water District maintains, owns and operates this now, however, an easement was prepared for them but never recorded.

Attached for your consideration are the three easements that are required. One is for the pump station location itself. The second one is for the pipeline that comes out from the pump station to the street. The final easement is an ingress and egress easement (also sometimes referred to as an access easement) that allows the Water District to drive onto the Successor Agency property to get to the pump station for maintenance and inspection.

We recommend that you approve the granting of the easements and return them to CNC Engineering so that they can be recorded.

By: Joshua Nelson
Project Manager

Signature: 

JN:jv

RECORDING REQUESTED BY:

Walnut Valley Water District

WHEN RECORDED MAIL TO:

Walnut Valley Water District
271 South Brea Canyon Road
Walnut, CA 91789

SPACE ABOVE THIS LINE RESERVED FOR RECORDER'S USE

The undersigned declares that this transaction is exempt from recording fees pursuant to Government Code § 6103 and exempt from documentary transfer tax pursuant to Rev. & Taxation Code § 11922.

Michael Holmes, Secretary
Walnut Valley Water District

GRANT OF PERMANENT AND NON-EXCLUSIVE INGRESS AND EGRESS EASEMENT

For a valuable consideration, receipt and sufficiency of which are hereby acknowledged, **Successor Agency to the Industry Urban-Development Agency**, a public body corporate and politic, (**Grantor**) grants and conveys to **Walnut Valley Water District**, a California water district formed under Division 13 of the California Water Code, as amended, (**Grantee**), its successors and assigns, a permanent and non-exclusive and easement ingress and egress across and through those certain parcels of land situated in the County of Los Angeles, State of California and more particularly as described in **Exhibit A** and as shown in **Exhibit B** attached hereto.

The **Grantor** reserves for themselves, their successors and assigns the right to replace this ingress and egress easement with a different route provided it is of an equivalent width and provides access to the same northwesterly end of the strip. If the **Grantee** determines that they will no longer need this easement for whatever reason, they will quitclaim the easements back to the **Grantor** or its successors or assigns without any payment required from the **Grantor**.

This Grant of Permanent and Non-exclusive Easement shall bind and inure to the benefit of the respective heirs, personal representatives, successors, and assigns of the parties hereto.

IN WITNESS WHEREOF, Grantor has caused its name to be hereunto subscribed as of the _____ day of _____, 2015.

**SUCCESSOR AGENCY TO THE INDUSTRY
URBAN-DEVELOPMENT AGENCY**

Mark Radecki, Chairman

LEGAL DESCRIPTION

INGRESS AND EGRESS EASEMENT

THAT PORTION OF PARCEL 1 OF PARCEL MAP No. 327, IN THE CITY OF INDUSTRY, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS SHOWN IN BOOK 324, PAGES 79 THROUGH 81, INCLUSIVE, OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF THE CENTERLINES OF BAKER PARKWAY (110 FEET WIDE) AND GRAND CROSSING PARKWAY (110 FEET WIDE); THENCE NORTH $38^{\circ}57'47''$ EAST ALONG THE CENTERLINE OF SAID BAKER PARKWAY, A DISTANCE OF 189.00 FEET; THENCE LEAVING SAID CENTERLINE NORTH $51^{\circ}02'13''$ WEST, A DISTANCE OF 55.00 FEET TO THE NORTHWEST LINE OF SAID BAKER PARKWAY, ALSO BEING THE SOUTHEAST LINE OF PARCEL 1 OF PARCEL MAP NO. 327 AS SHOWN IN BOOK 324, PAGES 79 THROUGH 81, INCLUSIVE, OF PARCEL MAPS AND THE **POINT OF BEGINNING**; THENCE NORTH $51^{\circ}02'13''$ WEST, A DISTANCE OF 24.30 FEET; THENCE NORTH $67^{\circ}13'17''$ WEST, A DISTANCE OF 91.40 FEET; THENCE NORTH $58^{\circ}40'58''$ WEST, A DISTANCE OF 49.02 FEET; THENCE NORTH $51^{\circ}02'13''$ WEST, A DISTANCE OF 459.33 FEET TO THE BEGINNING OF A CURVE TANGENT TO SAID LINE; THENCE NORTHWESTERLY, WESTERLY AND SOUTHWESTERLY A DISTANCE OF 31.42 FEET ALONG THE CURVE CONCAVE TO THE SOUTH, HAVING A RADIUS OF 20.00 FEET AND A CENTRAL ANGLE OF $90^{\circ}00'00''$; THENCE SOUTH $38^{\circ}57'47''$ WEST TANGENT TO SAID CURVE, A DISTANCE OF 59.33 FEET; THENCE NORTH $51^{\circ}02'13''$ WEST, A DISTANCE OF 10.00 FEET; THENCE NORTH $38^{\circ}57'47''$ EAST, A DISTANCE OF 59.33 FEET TO THE BEGINNING OF A CURVE TANGENT TO SAID LINE; THENCE NORTHEASTERLY, EASTERLY AND SOUTHEASTERLY A DISTANCE OF 47.12 FEET ALONG THE CURVE CONCAVE TO THE SOUTH, HAVING A RADIUS OF 30.00 FEET AND A CENTRAL ANGLE OF $90^{\circ}00'00''$; THENCE SOUTH $51^{\circ}02'13''$ EAST TANGENT TO SAID CURVE, A DISTANCE OF 458.67 FEET; THENCE SOUTH $58^{\circ}40'58''$ EAST, A DISTANCE OF 47.61 FEET; THENCE SOUTH $67^{\circ}13'17''$ EAST, A DISTANCE OF 92.08 FEET; THENCE SOUTH $51^{\circ}02'13''$ EAST, A DISTANCE OF 25.72 FEET TO THE SOUTHEAST LINE OF SAID PARCEL 1, ALSO BEING THE NORTHWEST LINE OF SAID BAKER PARKWAY;

THENCE SOUTH 38°57'47" WEST ALONG SAID PARCEL LINE, A DISTANCE OF 10.00 FEET TO THE **POINT OF BEGINNING**.

CONTAINING 7226.65 SQUARE FEET, (0.17 ACRES), OF LAND, MORE OR LESS.

AND AS SHOWN ON EXHIBIT "B" ATTACHED HERETO AND MADE A PART OF HEREOF.

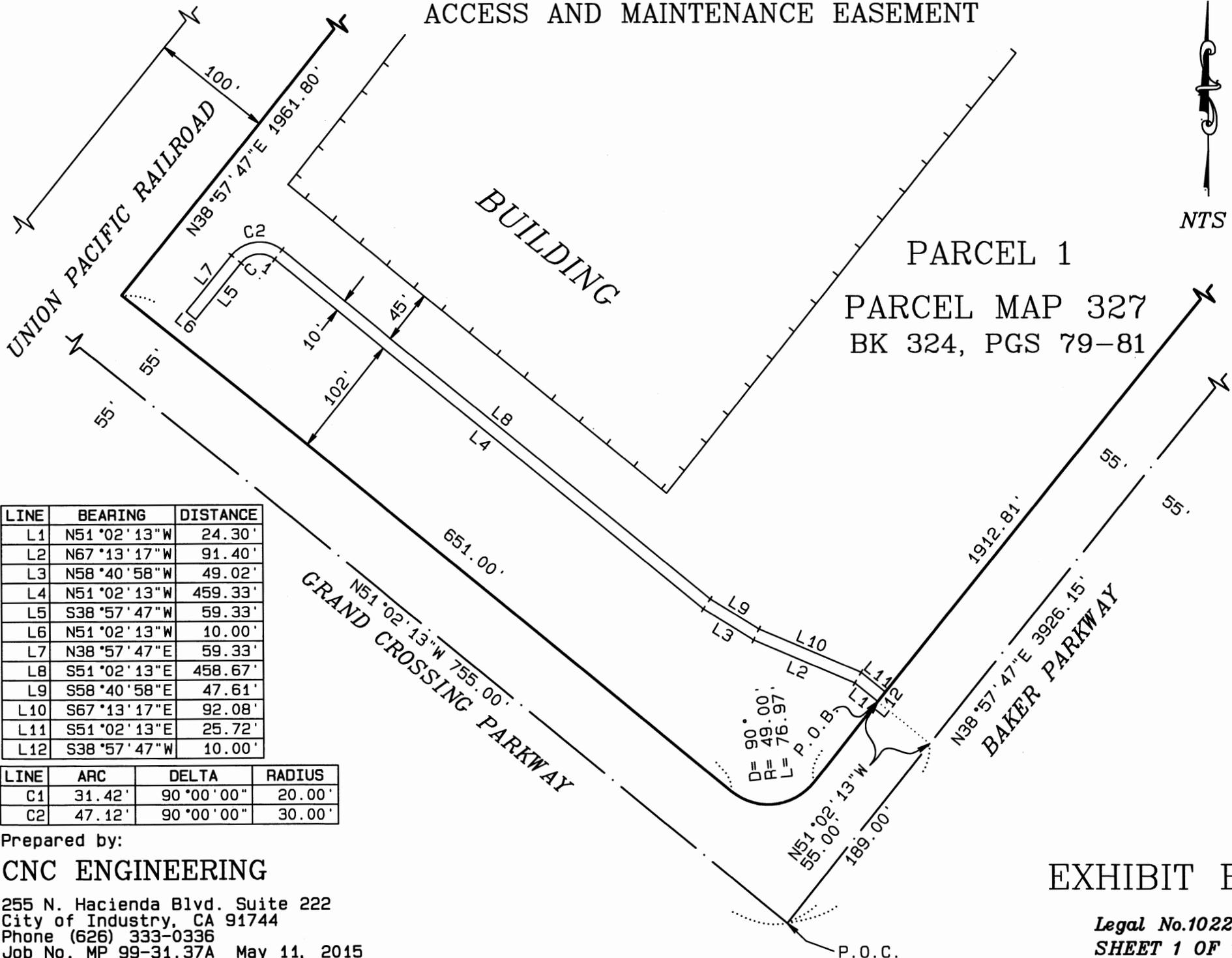
CLEMENT N. CALVILLO, RCE 27743

CNC Engineering

Job No. MP 99-31.37A Legal No.1022

Checked by: ____ May 11, 2015

ACCESS AND MAINTENANCE EASEMENT



LINE	BEARING	DISTANCE
L1	N51°02'13"W	24.30'
L2	N67°13'17"W	91.40'
L3	N58°40'58"W	49.02'
L4	N51°02'13"W	459.33'
L5	S38°57'47"W	59.33'
L6	N51°02'13"W	10.00'
L7	N38°57'47"E	59.33'
L8	S51°02'13"E	458.67'
L9	S58°40'58"E	47.61'
L10	S67°13'17"E	92.08'
L11	S51°02'13"E	25.72'
L12	S38°57'47"W	10.00'

LINE	ARC	DELTA	RADIUS
C1	31.42'	90°00'00"	20.00'
C2	47.12'	90°00'00"	30.00'

Prepared by:

CNC ENGINEERING

255 N. Hacienda Blvd. Suite 222
 City of Industry, CA 91744
 Phone (626) 333-0336
 Job No. MP 99-31.37A May 11, 2015

EXHIBIT B

Legal No.1022
 SHEET 1 OF 1

RECORDING REQUESTED BY:

Walnut Valley Water District

WHEN RECORDED MAIL TO:

Walnut Valley Water District
271 South Brea Canyon Road
Walnut, CA 91789

SPACE ABOVE THIS LINE RESERVED FOR RECORDER'S USE

The undersigned declares that this transaction is exempt from recording fees pursuant to Government Code § 6103 and exempt from documentary transfer tax pursuant to Rev. & Taxation Code § 11922.

Michael Holmes, Secretary
Walnut Valley Water District

GRANT OF PERMANENT AND NON-EXCLUSIVE EASEMENT

For a valuable consideration, receipt and sufficiency of which are hereby acknowledged, **Successor Agency to the Industry Urban-Development Agency**, a public body corporate and politic, (**Grantor**) grants and conveys to **Walnut Valley Water District**, a California water district formed under Division 13 of the California Water Code, as amended, (**Grantee**), its successors and assigns, a permanent and non-exclusive easement and right-of-way, including the right to remove any improvements, trees, shrubs and any other growth thereon, unless herein otherwise provided, and at any time and from time to time to locate, alter, inspect, remove or replace a water well of whatever nature, together with valves, meter structures, service connections, services and/or connections, with all and every appendage, structure and equipment necessary or convenient to be installed or used by **Grantee**, or its successors, at any time or from time to time in connection with any of the aforementioned facilities for water transportation of said **Grantee** and of its successors and assigns, in, under, upon, over, across and through those certain parcels of land situated in the County of Los Angeles, State of California and more particularly as described in **Exhibit A** and as shown in **Exhibit B** attached hereto.

The **Grantor** agrees for themselves, their successors and assigns not to erect, place or maintain, nor to permit the erection, placement or maintenance of any building, planter boxes, earth fill or other structures except walls and fences on the above described real property. The **Grantee** and its contractors, agents, and employees shall have the right to trim or cut tree roots as may endanger or interfere with said systems and shall have free access to said systems and every part thereof, at all times, for the purpose of exercising the rights herein granted; provided, however, that in making any excavation on said property of the **Grantor**, the **Grantee** shall make the same in such manner as will cause the least injury to the surface of the ground around such excavation, and shall replace the earth so removed by it and restore the surface of the ground to as near the same condition as it was prior to such excavation as is practicable.

The **Grantor** agrees that no other easement or easements shall be granted on, under, over or across land within said easement by **Grantor** without previous written consent of **Grantee**.

This Grant of Permanent and Non-exclusive Easement shall bind and inure to the benefit of the respective heirs, personal representatives, successors, and assigns of the parties hereto. Any subsequent removal, relocation, replacement or realignment of facilities located with the easement granted herein shall be accomplished at the expense of the person or entity requiring the same and at no expense to **Grantee**.

IN WITNESS WHEREOF, Grantor has caused its name to be hereunto subscribed as of the _____ day of _____, 2015.

**SUCCESSOR AGENCY TO THE INDUSTRY
URBAN-DEVELOPMENT AGENCY**

Mark Radecki, Chairman

LEGAL DESCRIPTION
10-FOOT WIDE UTILITY EASEMENT

THAT PORTION OF PARCEL 1 OF PARCEL MAP NO. 327, IN THE CITY OF INDUSTRY, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS SHOWN ON MAP RECORDED IN BOOK 324, PAGES 79 THROUGH 81, INCLUSIVE, OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT THE CENTERLINE INTERSECTION OF BAKER PARKWAY, 110.00 FEET WIDE, AND THE CENTERLINE OF GRAND CROSSING PARKWAY, 110.00 FEET WIDE, AS SHOWN ON SAID PARCEL MAP NO. 327; THENCE NORTHEASTERLY ALONG THE CENTERLINE OF BAKER PARKWAY, NORTH 38° 57' 47" EAST, 147.08 FEET; THENCE LEAVING SAID CENTERLINE, NORTH 51° 02' 13" WEST, 55.00 FEET TO ITS INTERSECTION WITH THE SOUTHEASTERLY LINE OF PARCEL 1 OF SAID PARCEL MAP No. 327, SAME LINE ALSO BEING THE NORTHWESTERLY LINE OF BAKER PARKWAY, AND SAID INTERSECTION, ALSO BEING THE **TRUE POINT OF BEGINNING**; THENCE NORTH 51° 02' 13" WEST, 44.05 FEET; THENCE SOUTH 83° 57' 47" WEST, 58.56 FEET; THENCE NORTH 51° 02' 13" WEST, 547.92 FEET; THENCE SOUTH 83° 57' 47" WEST, 24.00 FEET; THENCE NORTH 38° 57' 47" EAST, 14.14 FEET; THENCE NORTH 83° 57' 47" EAST, 18.14 FEET; THENCE SOUTH 51° 02' 13" EAST, 547.92 FEET; THENCE NORTH 83° 57' 47" EAST, 58.56 FEET; THENCE SOUTH 51° 02' 13" EAST, 48.19 FEET TO ITS INTERSECTION WITH THE SOUTHEASTERLY LINE OF THE SAID PARCEL 1, ALSO BEING THE NORTHWEST LINE OF SAID BAKER PARKWAY; THENCE ALONG SAID SOUTHEASTERLY LINE SOUTH 38° 57' 47" WEST, 10.00 FEET TO THE **TRUE POINT OF BEGINNING**.

CONTAINING 6,737 SQUARE FEET, (0.1547 ACRES), OF LAND, MORE OR LESS.

AND AS SHOWN ON EXHIBIT "B" ATTACHED HERETO AND MADE A PART OF HEREOF.

CLEMENT N. CALVILLO, RCE 27743

CNC Engineering

Job No. MP 99-31.37A Legal No.763

Checked by: ____ May 11, 2015

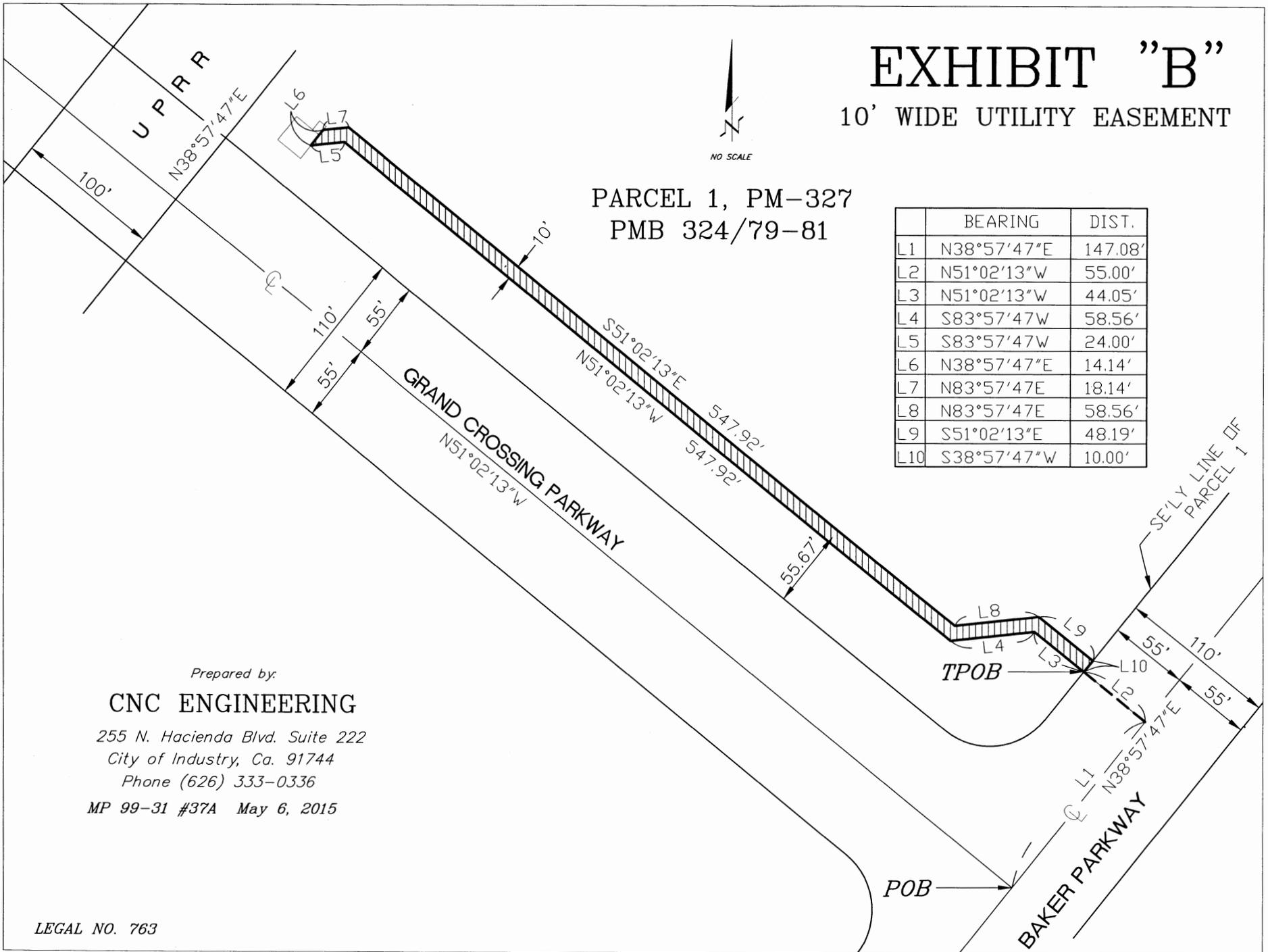
EXHIBIT "B"

10' WIDE UTILITY EASEMENT



PARCEL 1, PM-327
PMB 324/79-81

	BEARING	DIST.
L1	N38°57'47"E	147.08'
L2	N51°02'13"W	55.00'
L3	N51°02'13"W	44.05'
L4	S83°57'47"W	58.56'
L5	S83°57'47"W	24.00'
L6	N38°57'47"E	14.14'
L7	N83°57'47"E	18.14'
L8	N83°57'47"E	58.56'
L9	S51°02'13"E	48.19'
L10	S38°57'47"W	10.00'



Prepared by:

CNC ENGINEERING

255 N. Hacienda Blvd. Suite 222

City of Industry, Ca. 91744

Phone (626) 333-0336

MP 99-31 #37A May 6, 2015

RECORDING REQUESTED BY:

Walnut Valley Water District

WHEN RECORDED MAIL TO:

Walnut Valley Water District
271 South Brea Canyon Road
Walnut, CA 91789

SPACE ABOVE THIS LINE RESERVED FOR RECORDER'S USE

The undersigned declares that this transaction is exempt from recording fees pursuant to Government Code § 6103 and exempt from documentary transfer tax pursuant to Rev. & Taxation Code § 11922.

Michael Holmes, Secretary
Walnut Valley Water District

GRANT OF PERMANENT AND NON-EXCLUSIVE EASEMENT

For a valuable consideration, receipt and sufficiency of which are hereby acknowledged, **Successor Agency to the Industry Urban-Development Agency**, a public body corporate and politic, (**Grantor**) grants and conveys to **Walnut Valley Water District**, a California water district formed under Division 13 of the California Water Code, as amended, (**Grantee**), its successors and assigns, a permanent and non-exclusive easement and right-of-way, including the right to remove any improvements, trees, shrubs and any other growth thereon, unless herein otherwise provided, and at any time and from time to time to locate, alter, inspect, remove or replace a line or lines of pipe of whatever nature, together with valves, meter structures, service connections, services and/or connections, with all and every appendage, structure and equipment necessary or convenient to be installed or used by **Grantee**, or its successors, at any time or from time to time in connection with any of the aforementioned facilities for water transportation of said **Grantee** and of its successors and assigns, in, under, upon, over, across and through those certain parcels of land situated in the County of Los Angeles, State of California and more particularly as described in **Exhibit A** and as shown in **Exhibit B** attached hereto.

The **Grantor** agrees for themselves, their successors and assigns not to erect, place or maintain, nor to permit the erection, placement or maintenance of any building, planter boxes, earth fill or other structures except walls and fences on the above described real property. The **Grantee** and its contractors, agents, and employees shall have the right to trim or cut tree roots as may endanger or interfere with said systems and shall have free access to said systems and every part thereof, at all times, for the purpose of exercising the rights herein granted; provided, however, that in making any excavation on said property of the **Grantor**, the **Grantee** shall make the same in such manner as will cause the least injury to the surface of the ground around such excavation, and shall replace the earth so removed by it and restore the surface of the ground to as near the same condition as it was prior to such excavation as is practicable.

The **Grantor** agrees that no other easement or easements shall be granted on, under, over or across land within said easement by **Grantor** without previous written consent of **Grantee**.

This Grant of Permanent and Non-exclusive Easement shall bind and inure to the benefit of the respective heirs, personal representatives, successors, and assigns of the parties hereto. Any subsequent removal, relocation, replacement or realignment of facilities located with the easement granted herein shall be accomplished at the expense of the person or entity requiring the same and at no expense to **Grantee**. If the **Grantee** determines that they will no longer need to pump from this well for whatever reason, they will quitclaim the easements back to the **Grantor** or its successors or assigns without any payment required from the **Grantor** and the **Grantee** will have the equipment removed and the well properly abandoned at no cost to the **Grantor**.

IN WITNESS WHEREOF, Grantor has caused its name to be hereunto subscribed as of the _____ day of _____, 2015.

**SUCCESSOR AGENCY TO THE INDUSTRY
URBAN-DEVELOPMENT AGENCY**

Mark Radecki, Chairman

LEGAL DESCRIPTION

UTILITY EASEMENT

THAT PORTION OF PARCEL 1 OF PARCEL MAP No.327, IN THE CITY OF INDUSTRY, COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, AS SHOWN ON MAP RECORDED IN BOOK 324, PAGES 79 THROUGH 81, INCLUSIVE, OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY, DESCRIBED AS FOLLOWS:

BEGINNING AT THE MOST WESTERLY CORNER OF SAID PARCEL 1; THENCE ALONG THE SOUTHWESTERLY LINE OF SAID PARCEL 1, SAID SOUTHWESTERLY LINE ALSO BEING THE NORTHEASTERLY RIGHT OF WAY LINE OF GRAND CROSSING PARKWAY, 110.00 FEET WIDE, SOUTH 51° 02' 13" EAST, 29.50 FEET; THENCE LEAVING SAID SOUTHWESTERLY LINE, NORTH 38° 57' 47" EAST, 21.83 FEET TO **THE TRUE POINT OF BEGINNING**; THENCE NORTH 38° 57' 47" EAST, 21.00 FEET; THENCE SOUTH 51° 02' 13" EAST, 20.50 FEET; THENCE SOUTH 38° 57' 47" WEST, 21.00 FEET; THENCE NORTH 51° 02' 13" WEST, 20.50 FEET TO **THE TRUE POINT OF BEGINNING**.

CONTAINING 431 SQUARE FEET, (0.0099 ACRES), OF LAND, MORE OR LESS.

AND AS SHOWN ON EXHIBIT "B" ATTACHED HERETO AND MADE A PART OF HEREOF.

CLEMENT N. CALVILLO, RCE 27743

CNC Engineering

Job No. MP 99-31.37A Legal No.764

Checked by: ____ May 6, 2015

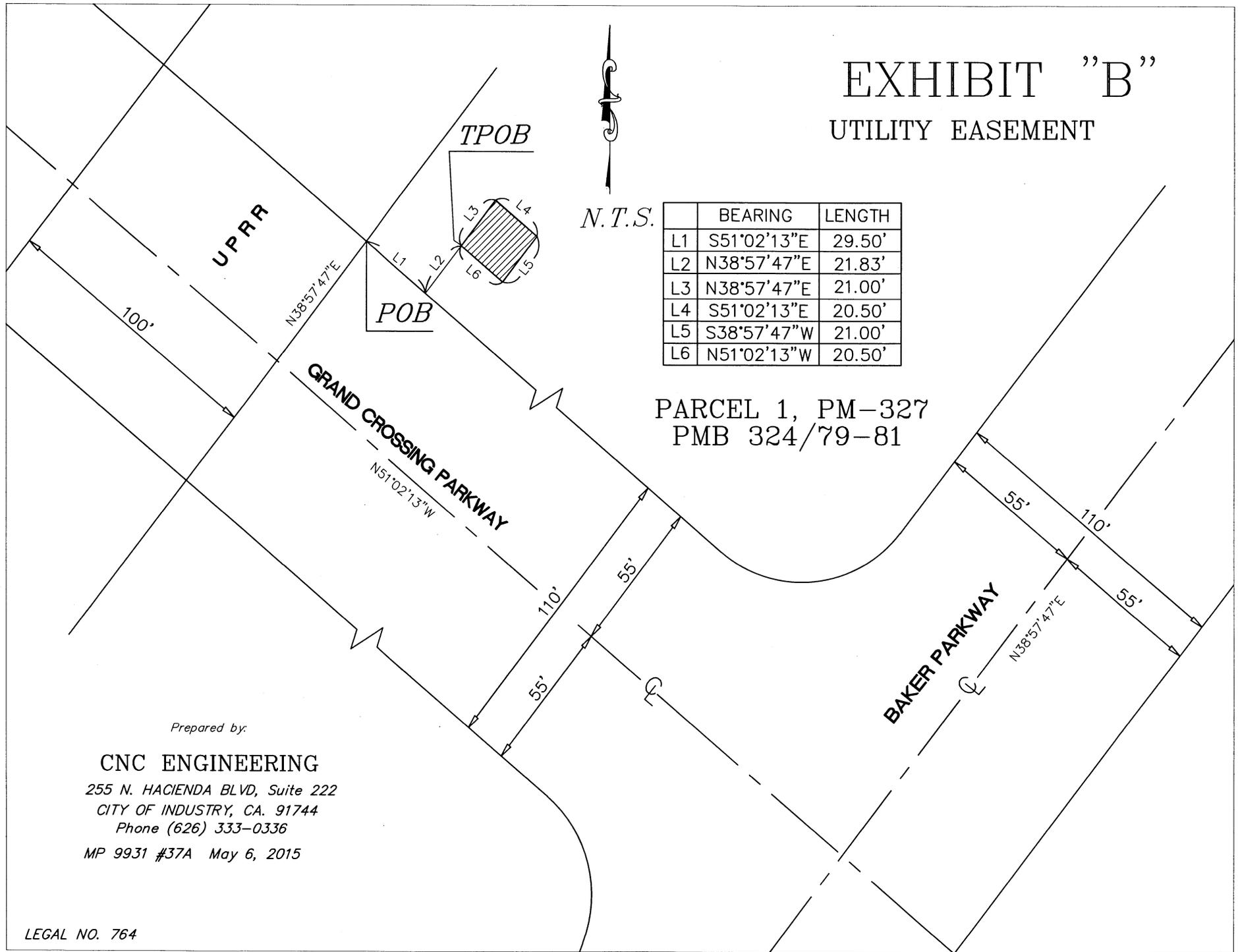
EXHIBIT "B"

UTILITY EASEMENT



	BEARING	LENGTH
L1	S51°02'13"E	29.50'
L2	N38°57'47"E	21.83'
L3	N38°57'47"E	21.00'
L4	S51°02'13"E	20.50'
L5	S38°57'47"W	21.00'
L6	N51°02'13"W	20.50'

PARCEL 1, PM-327
PMB 324/79-81



Prepared by:
CNC ENGINEERING
255 N. HACIENDA BLVD, Suite 222
CITY OF INDUSTRY, CA. 91744
Phone (626) 333-0336
MP 9931 #37A May 6, 2015

SUCCESSOR AGENCY

ITEM NO. 5.4

MEMORANDUM

TO: John D. Ballas,
Agency Engineer

DATE: June 24, 2015

FROM: Gerardo Perez, Project Manager

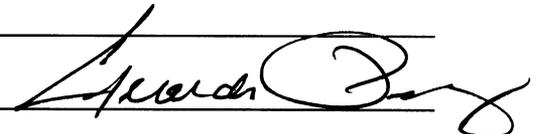
CONTRACT: GCD-0377R/
MP 99-31#61

SUBJECT: Contract Completion Documents
Landscaping Baker Parkway Slopes

The above project was authorized to bid on August 15, 2013 and was awarded by the Successor Agency to the Industry Urban Development Agency at their meeting of September 9, 2013. The project was implemented under Contract No. GCD-0377R for a final contract amount of \$1,379,287.03. The contractor was KASA Construction. CNC Engineering and Environs Inc. have inspected the site and find all work complete and in accordance with the contract documents.

Therefore, Staff recommends the Agency receive and file the final accounting and approve and authorize the Agency Engineer to sign the Notification of Construction and the Notice of Completion.

By: Gerardo Perez

Signature: 

GP/rg
Attach.

c: Clement N. Calvillo
GCD-0377R- Memo - Completion Docs. wpd

RECORDING REQUEST

and **WHEN RECORDED, MAIL TO:**

Agency **CITY OF INDUSTRY**

Mailing Address 15625 East Stafford Street
City Attention: Clement N. Calvillo
State, Zip City of Industry
California 91744

THIS SPACE FOR RECORDER'S USE

NOTICE OF COMPLETION

Notice is given that work was completed on that certain work known as Project No. **GCD-0377R, Landscaping Baker Parkway Slopes, City of Industry, CA 91744, County of Los Angeles**, for the undersigned agency and said work was accepted as complete on **6/24/2015**. The contractor on said job was **KASA Construction 15148 Sierra Bonita Lane Chino, CA 91710**.

This Notice of Completion is being recorded on behalf of the **Owner, CITY OF INDUSTRY**, a Public Agency.

Successor Agency to the Industry-Urban Development Agency

By _____
John D. Ballas, Agency Engineer

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
)ss.
County of Los Angeles)

The undersigned, being duly sworn, says: That he is the Agency Engineer and that he makes this verification on behalf of said entity; that he has read the foregoing and declares that the contents thereof, and that the facts stated herein, are true and correct.

John D. Ballas, Agency Engineer

Subscribed and sworn to (or affirmed) before me on this 24th day of June 2015, by John D. Ballas, Agency Engineer, proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

(Date)

(Notary Signature)

(Seal)

SUCCESSOR AGENCY

ITEM NO. 5.5

MEMORANDUM

To: John D. Ballas
Agency Engineer

Date: June 5, 2015

From: Gerardo Perez, Project Manager

Contract: IBC-0379

Reference: Industry Business Center Phase I Mass Grading
Far West Side

Subject: Change Order No. 3 – Back Cut Slope Failure/Slide Repair

After the buttress cut was completed, the Contractor was in the process of filling the buttress cut beginning with the central cut and followed by material from the borrow site. On March 11, 2015, the backcut slope of the northwesterly side of the buttress cut failed. The Contractor gave Staff written that all earthwork operations were on hold. No operations were conducted for two complete days. On March 15, 2015, the Contractor was given direction for repairing the slide.

The following extra costs were incurred by the Contractor due to this backcut failure;

1. The actual slide removal quantity amounted to 94,501 cubic yards and it was placed on the buttress cut at a cost of \$2.00/cubic yard, which is the unit price bid for unclassified excavation. The total cost amounts to \$189,002.00. Eventually this material would have had to be removed under the next grading project.
2. The material on top of the slide, which was being removed per the contract, amounts to 58,535 cubic yards. However, because of the backcut failure, this material had to be moved first and a longer distance than originally anticipated. The Contractor has requested an additional \$0.70/cubic yard to move this material a greater distance than originally anticipated. The total cost amount to \$40,974.50.
3. The Contractor submitted equipment delay costs and extended field office overhead costs for a total of \$92,421.30. The slide affected the Contractor's construction schedule by a total of 9 days. The Contractor could not continue grading operations because he was in the process of filling the buttress cut and the slide was in the way of his operation. The first two days (March 12 & 13) after the failure occurred, no equipment was running while waiting for a recommendation from Leighton (Agency's geotechnical consultant). From March 16 through 19, the Contractor was

directed to start removing a portion of the slide. The contractor used the smaller CAT 651 scrapers to remove the top portion of the slide. The Contractor's larger CAT 657 scrapers were idle. On March 20, 23 and 24, the Contractor began removing the remainder of the slide with CAT 657 scrapers and the CAT 651 scrapers were idle. Delay costs were incurred as a result mitigating the slide.

Staff has reviewed the additional work and the contractor's total cost proposal and find it reasonable and acceptable. Therefore, Staff hereby recommends approval of Change Order No. 3 in the amount of \$322,397.80.

By: _____ Gerardo Perez _____ Signature: 

GP/rg

IBC-0379 - Memo - CO No. 3 - Slide Repair at the Buttress Cut - G.Perez



Safety • Quality • Service

C. A. RASMUSSEN, INC.

General Engineering Contractors

License No. 254681 A

Valencia Commerce Center
28548 Livingston Avenue
Valencia, CA 91355-4171
Telephone 661.367.9040
Fax 661.367.9099
www.carasmussen.com

1409.RFC018R1
Cost Incurred

May 26, 2015

CNC Engineering

255 N. Hacienda Blvd
Suite 222
City of Industry, Ca 91744

Attn: Gerry Perez

Project: Industry Business Center Ph1 Mass Grading, Far West Side
Contract #IBC-0379

Subject: Request for Change Order – #18 Slide Repair at Buttress Cut

As discussed in the March 19, 2015 Weekly Construction Meeting, C.A. Rasmussen submits the following for the slide repair which occurred on March 11, 2015.

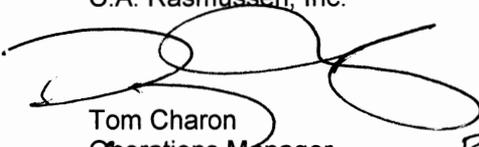
Item	Description	Qty	U/M	Unit Price	Total
New	Unclassified Exc for Buttress (Slide Removal)	94,501	CY	\$ 2.00	\$ 189,002.00
New	Overhaul Unclassified Excavation (1400' at \$.05/Sta-yd)	58,535	CY	\$ 0.70	\$ 40,974.50
New	Equipment Standby (See Attached Breakdown)	1	LS	\$ 78,021.30	\$ 78,021.30
New	Extended Field Office Overhead	9	DY	\$ 1,600.00	\$ 14,400.00
Total					\$ 322,397.80

Note the following:

- Slide removal excavation to westerly end of the buttress fill.
- Overhaul of Central Cut excavation to the westerly end of the buttress fill.
- Equipment delay (See attached spreadsheet).
- Reference the attached haul and quantity analysis.

Please issue a change order in the amount of **\$322,397.80** for completion of this added work. In addition, please add 9 working days to the contract.

C.A. Rasmussen, Inc.


Tom Charon
Operations Manager

File: 1409-Corporate RFC
1409-Jobsite RFC

For T.C.

	Equipment Description	Caltrans Rental Rate	Qty	Ttl Hrs	Delay Factor	Total Cost
	D10R W/ Ope (Coburn)	\$ 339.87	1.0	8.00	0.17	\$ 462
	D8T	\$ 236.73	1.0	8.00	0.17	\$ 322
	4000 GAL H2O TRK W/ Ope (McMinn)	\$ 81.67	1.0	8.00	0.16	\$ 105
	CAT 834 C R/T COMPACTOR	\$ 354.85	1.0	8.00	0.17	\$ 483
	CASE 385 Tract.	\$ 256.30	1.0	8.00	0.16	\$ 328
	631 Waterpull W/ Ope (Rentrac)	\$ 240.70	1.0	8.00	0.16	\$ 308
	CAT D9L	\$ 276.29	2.0	16.00	0.16	\$ 707
	CAT 651B SCRAPER	\$ 305.39	7.0	56.00	0.16	\$ 2,736
	CAT 657B SCRAPER	\$ 386.85	16.0	128.00	0.16	\$ 7,923
Daily Delay Cost						\$ 12,912
	Number of Days (March 12, 13)					2
Total Delay Cost						\$ 25,823.06
	Equipment Description	Caltrans Rental Rate	Qty	Ttl Hrs	Delay Factor	Total Cost
	CAT 657B SCRAPER	\$ 386.85	16.0	128.00	0.16	\$ 7,923
Daily Delay Cost						\$ 7,923
	Number of Days (March 16, 17, 18 and 19)					4
Total Delay Cost						\$ 31,690.75
	Equipment Description	Caltrans Rental Rate	Qty	Ttl Hrs	Delay Factor	Total Cost
	CAT D9L	\$ 276.29	2.0	16.00	0.16	\$ 707
	CAT 651B SCRAPER	\$ 305.39	7.0	56.00	0.16	\$ 2,736
Daily Delay Cost						\$ 3,444
	Number of Days (March 20, 23 and 24)					3
Total Delay Cost						\$ 10,330.79
Grand Total Delay Cost						\$ 67,844.60
With Markkup at 15%						\$ 78,021.30

March 12 and 13

Entire spread no work due delay
Require extended overhead and days

March 16, 17, 18 and 19

657 delay only-CAR worked 651 spread not on critical path outside slide impact area to minimize City delay costs
Require extended overhead and days

March 20, 23 and 24

651 delay only-CAR worked 657 spread not on critical path removing slide.
Require extended overhead and days

ORIGINAL SCHEDULE

	3/9/2015	3/10/2015	3/11/2015	3/12/2015	3/13/2015	3/16/2015	3/17/2015	3/18/2015	3/19/2015	3/20/2015	3/23/2015	3/24/2015	3/25/2015	3/26/2015	3/27/2015	3/30/2015	3/31/2015	4/1/2015	4/2/2015	4/3/2015	4/6/2015	4/7/2015	4/8/2015	
Buttress Cut Excavation [651 Scrapers (7ea) 657 Scrapers (0 ea)]	7/0	7/0	7/0																					
Central Cut Excavation [651(7ea) & 657(16ea) Scrapers]				7/16	7/16	7/16	7/16	7/16	7/16	7/16	7/16	7/16	7/16											
Borrow Site Excavation [651(7ea) & 657(16ea) Scrapers]														7/16	7/16	7/16	7/16	7/16	7/16	7/16	7/16	7/16	7/16	Etc

2 SPREADS

ACTUAL SCHEDULE DUE TO SLIDE REPAIR

	3/9/2015	3/10/2015	3/11/2015	3/12/2015	3/13/2015	3/16/2015	3/17/2015	3/18/2015	3/19/2015	3/20/2015	3/23/2015	3/24/2015	3/25/2015	3/26/2015	3/27/2015	3/30/2015	3/31/2015	4/1/2015	4/2/2015	4/3/2015	4/6/2015	4/7/2015	4/8/2015	
Buttress Cut Excavation [651 Scrapers (7ea) & 657 Scrapers (0 ea)]	7/0	7/0	7/0																					
NO WORK SLIDE ANALYSIS / SAFETY CONCERNS * All Equipment on Delay				0/0	0/0																			
Modified Borrow Site Excavation [651 Scrapers (7ea) & 657 Scrapers (0 ea)] **Minimizing Equipment Delay (Only 657's on Delay)						7/0	7/0	7/0	7/0															
Slide Excavation [651 Scrapers (0 ea) & 657 Scrapers (16ea)] ***Minimizing Equipment Delay (Only 651 & Push Cats on Delay)										0/16	0/16	0/16												
Central Cut Excavation [651(7ea) & 657(16ea) Scrapers]														7/16	7/16	7/16	7/16	7/16	7/16	7/16	7/16	7/16	7/16	
Borrow Site Excavation [651(7ea) & 657(16ea) Scrapers]																								7/16

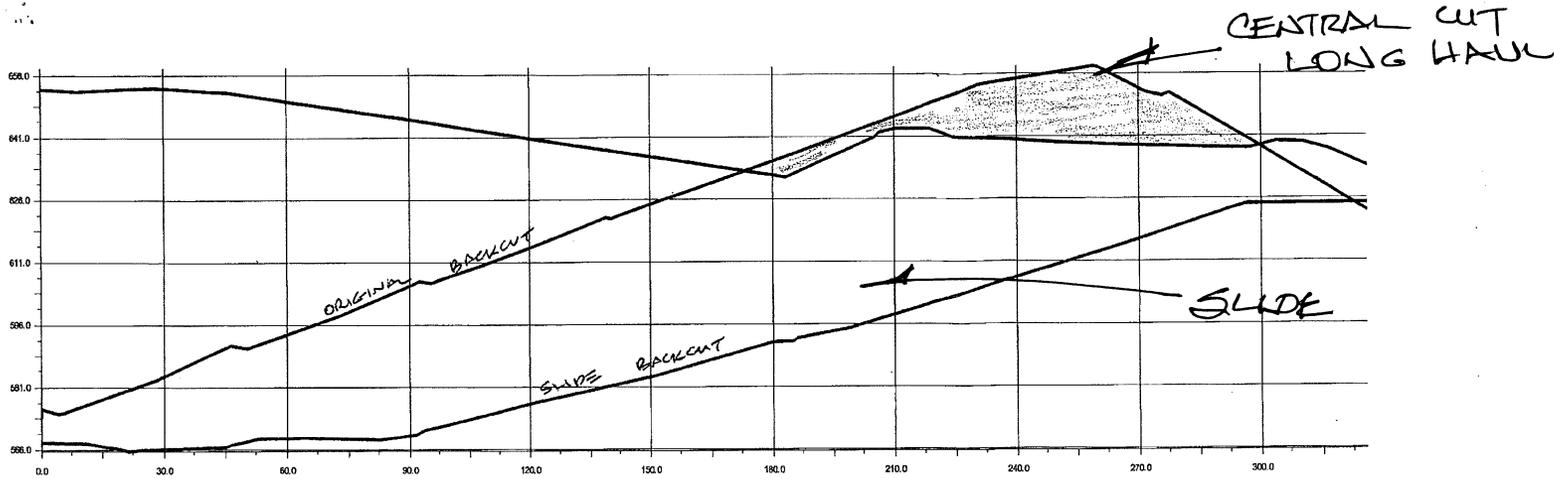
NO WORK

ONE SPREAD

ONE SPREAD

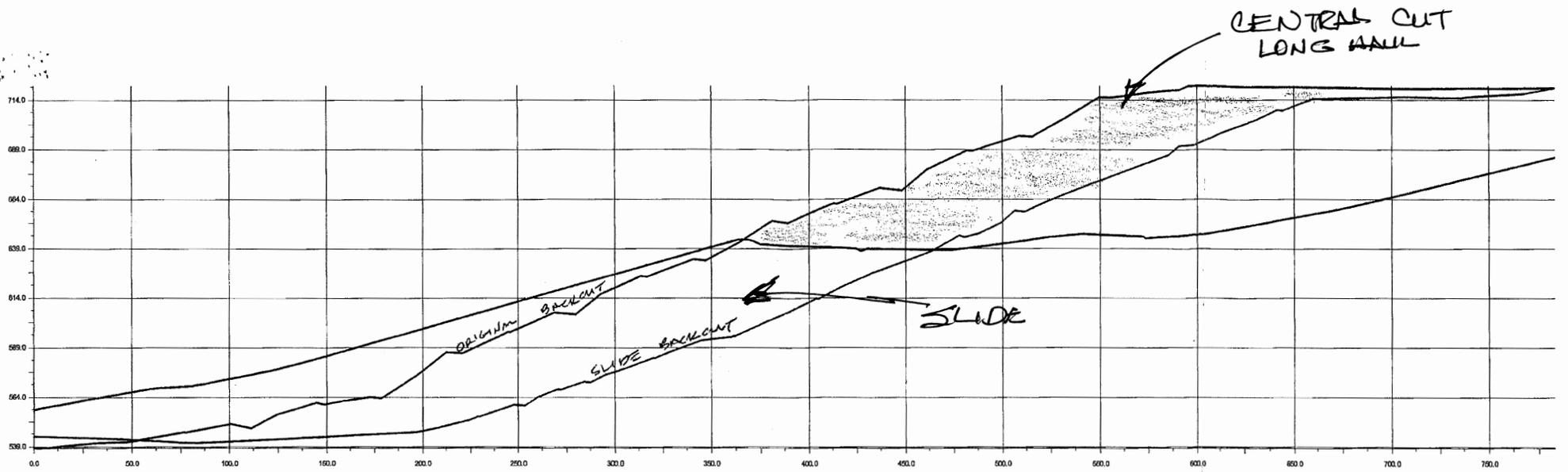
EQUIPMENT DELAYS DUE TO SLIDE REPAIR

	3/9/2015	3/10/2015	3/11/2015	3/12/2015	3/13/2015	3/16/2015	3/17/2015	3/18/2015	3/19/2015	3/20/2015	3/23/2015	3/24/2015	3/25/2015	3/26/2015	3/27/2015	3/30/2015	3/31/2015	4/1/2015	4/2/2015	4/3/2015	4/6/2015	4/7/2015	4/8/2015	
651 Scrapers & Push Cats / 657 Scrapers	0/0	0/0	0/0	7/16	7/16	0/16	0/16	0/16	0/16	7/0	7/0	7/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0				



 SLIDE

 CENTRAL CUT
LONG HAUL



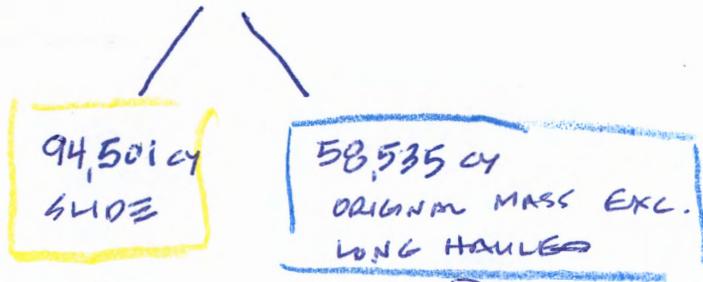
SLIDE



CENTRAL CUT
LONG HAUL

Volume Report
 Current vs. Existing

Slide Area	Total	Cut	Area		Volume		Comp/Ratio		Compact		Export Change	
			Fill	OnGrade	Cut	Fill	Cut	Fill	Cut	Fill	-Import	Per .1 Ft
Slide Area	181,182	172,915	7,892	375	153,036	985	1.00	1.00	153,036	985	152,051	671



(SEE ATTACHED)
 137,884 cy START OF SLIDE EXC.
 79,349 cy END OF SLIDE EXC.

 58,535 cy

CENTRAL CUT REMAINING
 IN WINDOWED SLIDE
 AREA "PRIOR" TO SLIDE EX

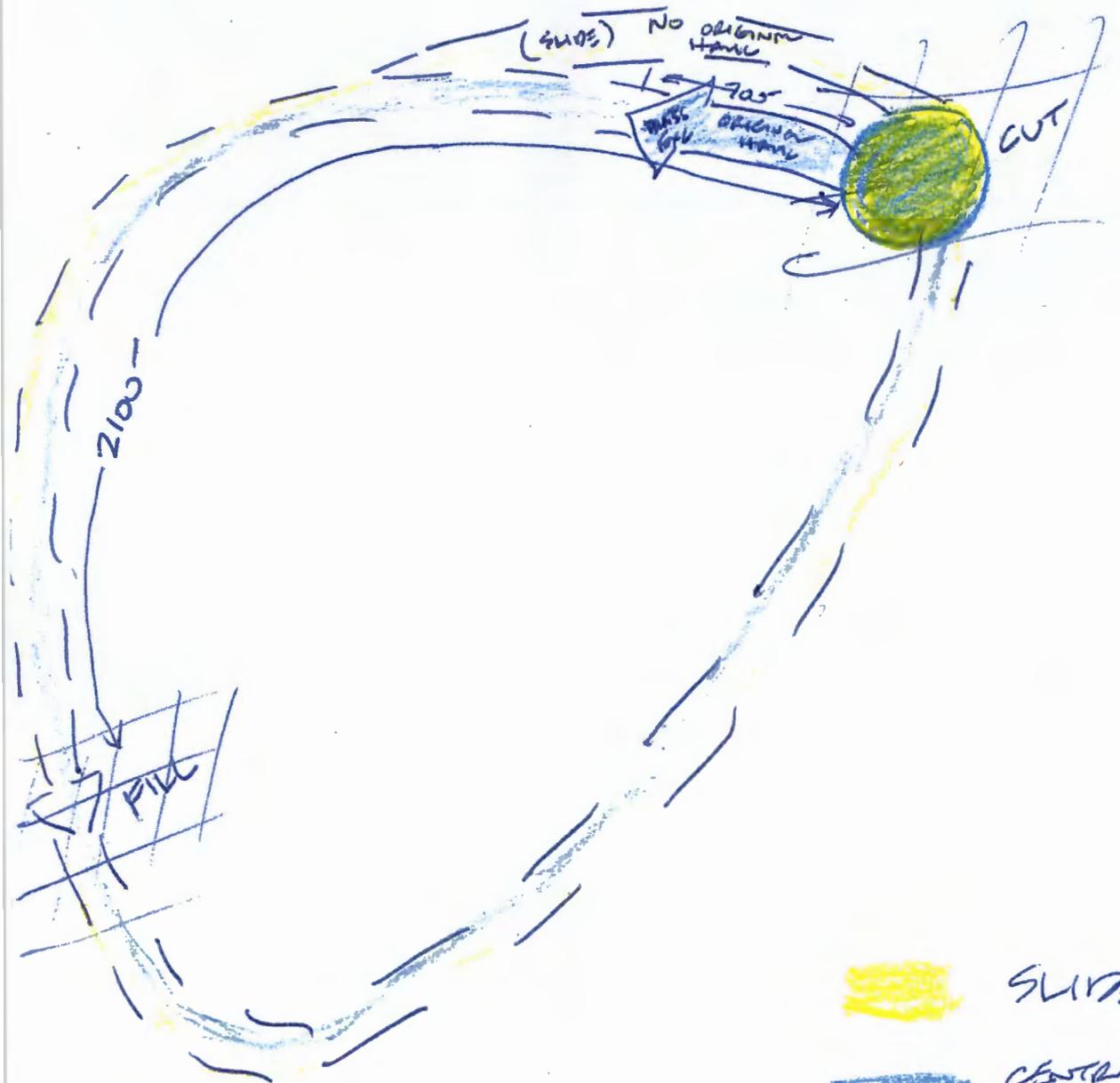
Volume Report
Design vs. Existing

	Total	Cut	Area		OnGrade	Volume		Comp/Ratio		Compact		Export	Change
			Fill			Cut	Fill	Cut	Fill	Cut	Fill		
Slide Area	181,182	103,941	76,970		271	137,884	76,003	1.00	1.00	137,884	76,003	61,881	671

CENTRAL CUT REMAINING
 IN WINDOWED SLIDE
 AREA "AFTER" COMPLETION
 OF SLIDE ETC.

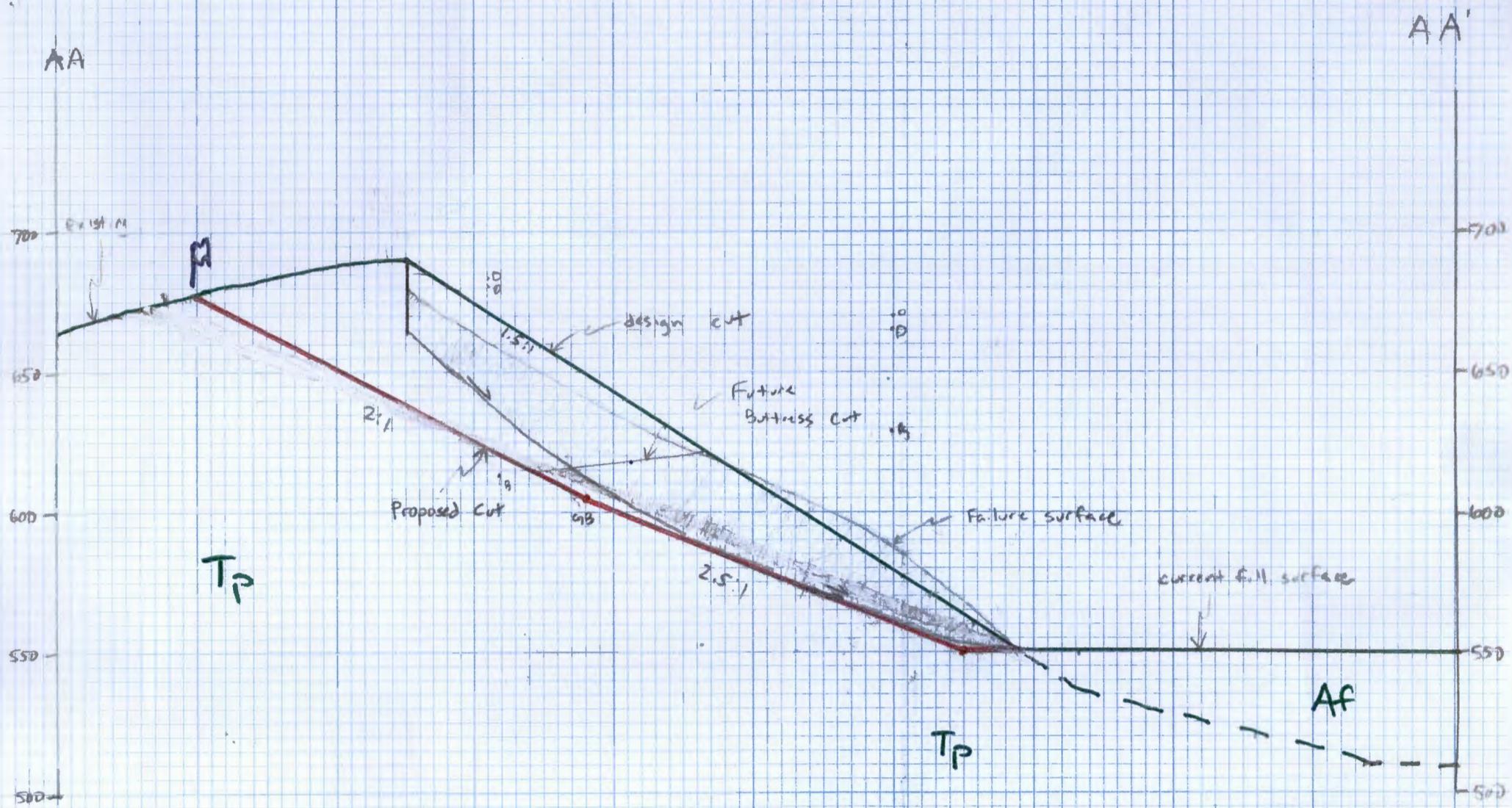
Volume Report
 Design vs. Current

Slide Area	Total	Cut	Area	OnGrade	Volume	Comp/Ratio	Compact		Export Change			
	181,182	57,862	Fill		Cut		Fill	Cut	Fill	-Import	Per .1 Ft	
			123,125	195	79,349	169,386	1.00	1.00	79,349	169,386	-90,037	671

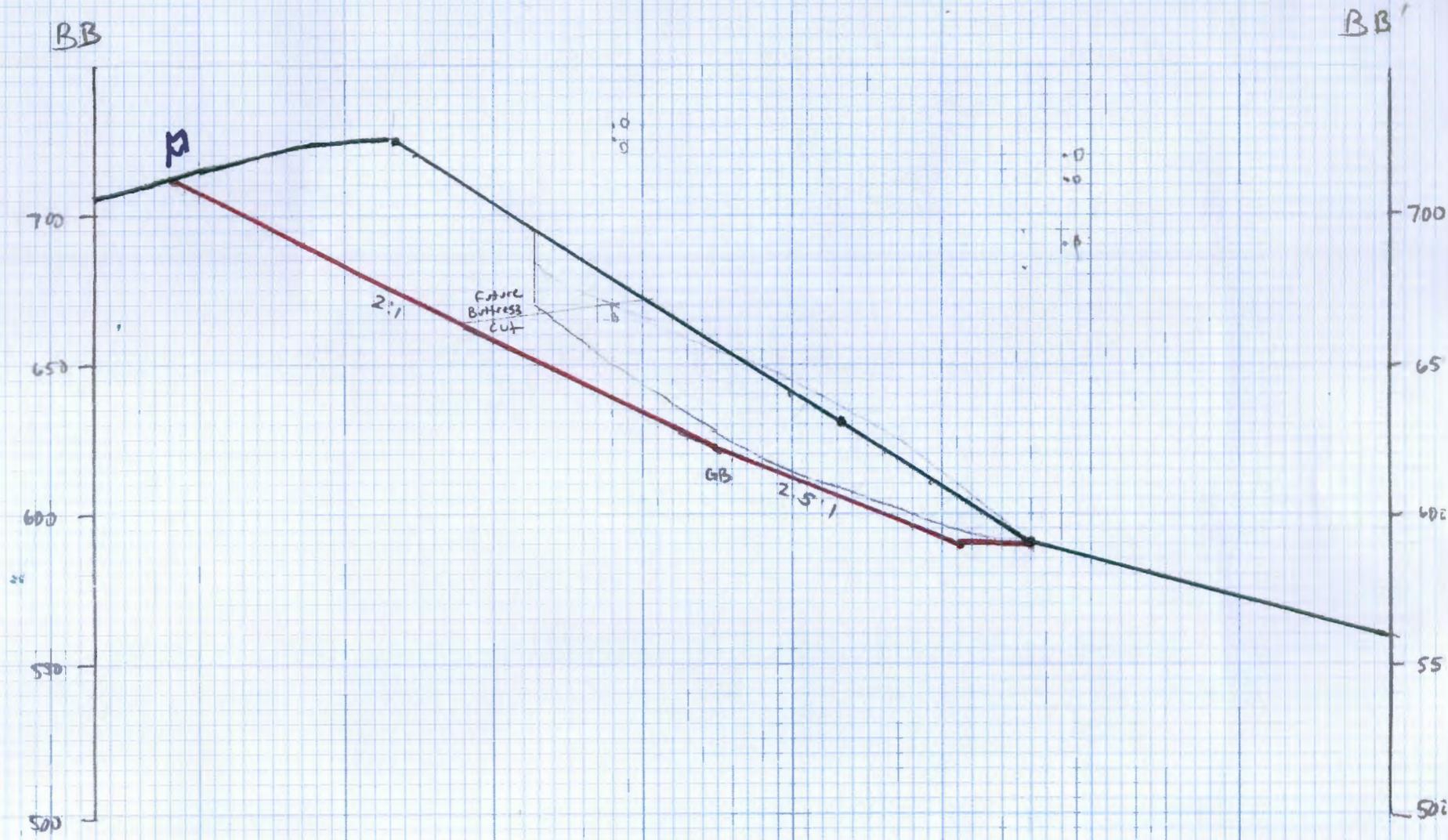


 SLIDE
 CENTRAL CUT
 W/ONSTRAUL
 1400 LF

LEIGHTON X-SECTION



LEIGHTON X-SECTION



SUCCESSOR AGENCY

ITEM NO. 5.6

MEMORANDUM

To: John D. Ballas
Agency Engineer

Date: June 9, 2015

From: Gerardo Perez, Project Manager

Contract: IBC-0380

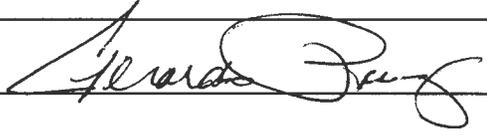
Reference: Industry Business Center Eastside Mass Grading

Subject: Change Order No. 2 – Extra Costs due to Oversize Rock and Extra Dry Material

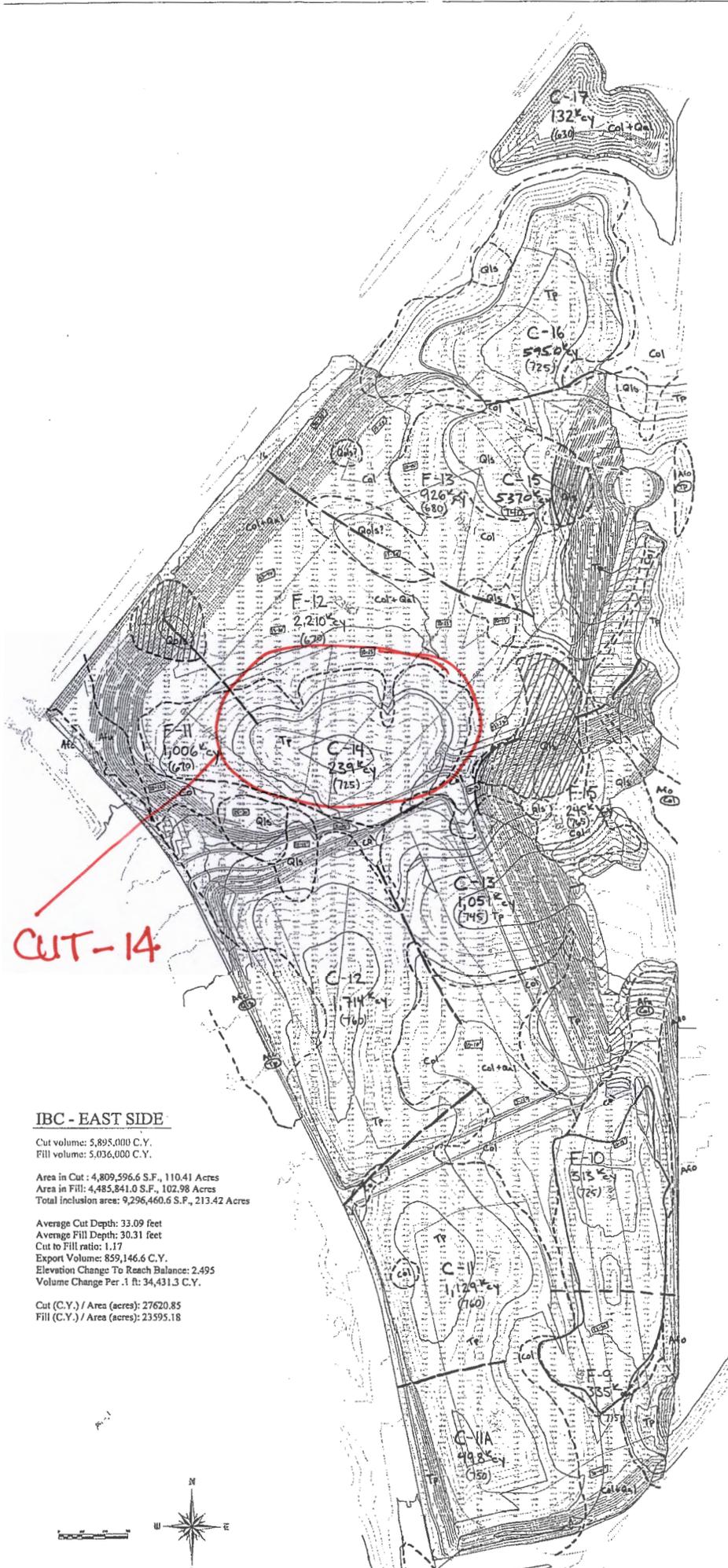
During the excavation in the cut area identified as Cut 14 shown on the attached Contractors cut/fill map, the Contractor encountered unusually oversized rock and drier than normal sandstone. The Contractor submitted additional costs as follows:

1. The oversize rock encountered ranges in size from 10 to 15 feet in diameter. Normal oversize rock ranges in size from 3 to 4 feet in diameter which is common in the Puente Formation. The geotechnical report does not specifically address this unusually oversized rock. Prior to encountering this oversized rock, the Contractor was averaging approximately 27,466 cubic yards of unclassified excavation per day. After the oversize rock was encountered the Contractor's production was reduced to 19,136 cubic yards per day. This rock required additional equipment to rip and handle the oversized rock which could not be handled with scrapers. A dozer was required to move the rock and place it in windrows for short distances. Once the area of fill space was used the Contractor was required to use rock trucks to move the material greater distances. The Contractor experienced 11 days of lost production. The total additional cost that the Contractor incurred is \$195,760.29, of which \$39,867.74 was used for rock handling which include rock trucks, dozers and an excavator with a breaker to break-up the rock.
2. The Contractor also encountered sandstone that was drier than anticipated based on information provided in the geotechnical report. Test pits in the geotechnical report (see attached test pit data) show that bedrock materials were generally wet or moist. The soil encountered had a moisture content in the range of 9% or 10% (about 7 or 8% below optimum moisture content). In order to meet compaction requirements, Leighton requires 3% over optimum moisture content. Moist sandstone would have required approximately 12 gallons per yard and compaction would have been achieved using two water trucks. Actual water used to obtain compaction required 20 gallons per yard which required two additional water trucks and an extra compactor. The Contractor's total additional cost totals \$68,312.92.

The total additional cost for all of the above extra work totals \$264,073.21. Staff has reviewed the additional work and the contractor's total cost proposal and find it reasonable and acceptable. Therefore, Staff hereby recommends approval of Change Order No. 2 in the amount of \$264,073.21.

By: Gerardo Perez Signature: 
GP/rg

IBC-0380 - Memo - CO No. 2 - Loss in Production Oversize Rock - G.Perez



CUT-14

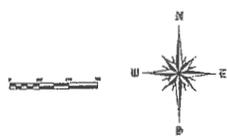
IBC - EAST SIDE

Cut volume: 5,895,000 C.Y.
 Fill volume: 5,036,000 C.Y.

 Area in Cut: 4,809,596.6 S.F., 110.41 Acres
 Area in Fill: 4,485,841.0 S.F., 102.98 Acres
 Total inclusion area: 9,295,437.6 S.F., 213.42 Acres

 Average Cut Depth: 33.09 feet
 Average Fill Depth: 30.31 feet
 Cut to Fill ratio: 1.17
 Export Volume: 859,146.6 C.Y.
 Elevation Change To Reach Balance: 2.495
 Volume Change Per .1 ft: 34,431.3 C.Y.

 Cut (C.Y.) / Area (acres): 27620.85
 Fill (C.Y.) / Area (acres): 23595.18





SC COR Number: 7.0
SC Job Number: 1158

Date: 4/27/2015
Owner: Successor Agency to the Industry Urban-Development Agency
C/o CNC Engineering
255 N. Hacienda Blvd. Suite 201
City of Industry, CA 91744
Attn: Gerardo Perez
Project: IBC East - 0380
Subject: COR 7.0 - Rock Excavation Premium

Mr. Perez,

Please see the following breakdown of change order request number 7.0.

Item:	Description:	Qty:	Unit:	Price:	Total:
1.0	Rock Excavation Premium	210,496	CY	\$ 0.85	\$ 178,921.60

Total Amount this Request: \$ 178,921.60

Agreed to \$159,892.55
GP

This change order represents the added labor, equipment, and material costs to perform the rock excavation that has been encountered in Cut 14. This rock material encountered is not consistent with the information provided in the geotechnical report. The rock encountered is requiring the use of additional support equipment to rip and handle oversized material that cannot be loaded into a scraper. The production of both the excavation and fill placement operations have slowed drastically due to the abundance of oversized rock being ripped in the cut and placed in the fill in windrows. The final quantity of rock material excavated will be determined once all overexcavations are completed. Currently, the oversized rock material generated has been dozer pushed into the fill and there is no more available fill space for oversized rock. All heavy ripping and oversized rock handling will be performed on a T&M basis. This change order does not include any tire damage. Any tires lost due to rock excavation will be charged on a T&M basis. This change order request represents a unit price premium that will be applied in addition to the contract unit price. The total quantity of 210,496 CY is for all 8,096 loads of material that were impacted by rock excavation for 11 working days (3/4/15 through 3/19/15). If additional rock material is encountered, it will be quantified as it is uncovered.

Thank you,

Bryan Nesthus

Sukut Construction

SUKUT CONSTRUCTION, INC.
4010 W. Chandler Avenue □ Santa Ana, CA 92704-5202
Tel: 714.540.5351 □ Fax: 714.545.2438 □ www.sukut.com
Contractor's License No. 554278

Change Order Request
Industry Business Center East Side Mass Grading

CHANGE ORDER REQUEST NUMBER:	7.0
DATE WORK COMPLETED	

SUKUT COR WORKSHEET NUMBER	1.00
SUKUT JOB NUMBER	1158

DESCRIPTION OF WORK	Normal equipment spread with a daily production of 27,466 CY.
---------------------	---

EQUIPMENT								
MODEL	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	RATE	AMOUNT OT	TOTAL AMOUNT
CAT 657 SCRAPER	0.00	0.00	\$ 581.93	\$ -	0.0	\$ 517.92	\$ -	\$ -
CAT 651 SCRAPER	7.00	10.00	\$ 305.39	\$ 17,101.84	2.0	\$ 271.80	\$ 3,805.16	\$ 20,907.00
CAT 637 SCRAPER	0.00	0.00	\$ 403.88	\$ -	0.0	\$ 359.45	\$ -	\$ -
CAT D5 DOZER	0.00	0.00	\$ 79.96	\$ -	0.0	\$ 71.16	\$ -	\$ -
CAT D8 DOZER	0.00	0.00	\$ 213.47	\$ -	0.0	\$ 189.99	\$ -	\$ -
CAT D9 DOZER	1.00	10.00	\$ 291.14	\$ 2,329.12	2.0	\$ 259.11	\$ 518.23	\$ 2,847.35
CAT D10 DOZER	0.00	0.00	\$ 440.64	\$ -	0.0	\$ 392.17	\$ -	\$ -
CAT D10N PUSH DOZER	2.00	10.00	\$ 357.09	\$ 5,713.44	2.0	\$ 317.81	\$ 1,271.24	\$ 6,984.68
CAT D11 DOZER	0.00	0.00	\$ 556.51	\$ -	0.0	\$ 495.29	\$ -	\$ -
CAT 824 COMPACTOR	0.00	0.00	\$ 235.80	\$ -	0.0	\$ 209.86	\$ -	\$ -
CAT 834 COMPACTOR	1.00	10.00	\$ 354.85	\$ 2,838.80	2.0	\$ 315.82	\$ 631.63	\$ 3,470.43
4000 GALLON WATER TRUCK	2.00	10.00	\$ 57.54	\$ 920.64	2.0	\$ 51.21	\$ 204.84	\$ 1,125.48
PICK UP TRUCK	1.00	10.00	\$ 21.78	\$ 174.24	2.0	\$ 19.38	\$ 38.77	\$ 213.01
TOTAL EQUIPMENT COSTS								\$ 35,547.95

LABOR								
JOB CLASSIFICATION	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	OT RATE	AMOUNT OT	TOTAL AMOUNT
FOREMAN	1.00	10.0	\$ 110.00	\$ 1,100.00	2.0	\$ 28.00	\$ 56.00	\$ 1,156.00
GRADE CHECKER	0.00	0.0	\$ 105.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -
OPERATOR - 657	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 651	7.00	10.0	\$ 91.00	\$ 6,370.00	2.0	\$ 29.00	\$ 406.00	\$ 6,776.00
OPERATOR - 637	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D5	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D8	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D9	1.00	10.0	\$ 91.00	\$ 910.00	2.0	\$ 28.00	\$ 56.00	\$ 966.00
OPERATOR - D10	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D10N PUSH DOZER	2.00	10.0	\$ 91.00	\$ 1,820.00	2.0	\$ 29.00	\$ 116.00	\$ 1,936.00
OPERATOR - D11	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 824	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 834	1.00	10.0	\$ 91.00	\$ 910.00	2.0	\$ 29.00	\$ 58.00	\$ 968.00
OPERATOR - WATER TRUCK	2.00	10.0	\$ 73.00	\$ 1,460.00	2.0	\$ 20.00	\$ 80.00	\$ 1,540.00
TOTAL LABOR COSTS								\$ 13,342.00

MATERIAL LUMP SUM OR UNIT PRICE PAYMENTS				
DESCRIPTION		QTY	UNIT COST	TOTAL
				\$ -
TOTAL MATERIAL COSTS				\$ -

SUKUT SUBCONTRACTOR COSTS				
DESCRIPTION	INVOICE NO.	DATE	VENDOR	TOTAL
				\$ -
TOTAL COSTS				\$ -

TOTAL COST SUMMARY, STANDARD MARK-UPS AND SUBCONTRACTOR MARK-UP				
DESCRIPTION	TOTAL COST	% MARK UP	AMOUNT MARK UP	TOTAL
TOTAL COST FOR EQUIPMENT	\$ 35,547.95	15.00%	\$ 5,332.19	\$ 40,880.15
TOTAL COST FOR LABORERS AND OPERATORS	\$ 13,342.00	0.00%	\$ -	\$ 13,342.00
TOTAL TAX ON MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR SUBCONTRACTOR	\$ -	0.00%	\$ -	\$ -
TOTAL FOR THIS CHANGE ORDER				\$ 54,222.15
BOND COST ADD (1% OF Total)				\$ 542.22
GRAND TOTAL OF THIS CHANGE ORDER REQUEST				\$ 54,764.37

Change Order Request
Industry Business Center East Side Mass Grading

CHANGE ORDER REQUEST NUMBER:	7.0
DATE WORK COMPLETED	

SUKUT COR WORKSHEET NUMBER	2.00
SUKUT JOB NUMBER	1158

DESCRIPTION OF WORK	Grading spread during rock excavation with a daily production of 19,500 CY.
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EQUIPMENT								
MODEL	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	RATE	AMOUNT OT	TOTAL AMOUNT
CAT 657 SCRAPER	0.00	0.00	\$ 581.93	\$ -	0.0	\$ 517.92	\$ -	\$ -
CAT 651 SCRAPER	7.00	10.00	\$ 305.39	\$ 17,101.84	2.0	\$ 271.80	\$ 3,805.16	\$ 20,907.00
CAT 637 SCRAPER	0.00	0.00	\$ 403.88	\$ -	0.0	\$ 359.45	\$ -	\$ -
CAT D5 DOZER	0.00	0.00	\$ 79.96	\$ -	0.0	\$ 71.16	\$ -	\$ -
CAT D8 DOZER	0.00	0.00	\$ 213.47	\$ -	0.0	\$ 189.99	\$ -	\$ -
CAT D9 DOZER	1.00	10.00	\$ 291.14	\$ 2,329.12	2.0	\$ 259.11	\$ 518.23	\$ 2,847.35
CAT D10 DOZER	1.00	0.00	\$ 440.64	\$ -	2.0	\$ 392.17	\$ 784.34	\$ 784.34
CAT D10N PUSH DOZER	2.00	10.00	\$ 357.09	\$ 5,713.44	2.0	\$ 317.81	\$ 1,271.24	\$ 6,984.68
CAT D11 DOZER	0.00	0.00	\$ 556.51	\$ -	0.0	\$ 495.29	\$ -	\$ -
CAT 824 COMPACTOR	0.00	0.00	\$ 235.80	\$ -	0.0	\$ 209.86	\$ -	\$ -
CAT 834 COMPACTOR	1.00	10.00	\$ 354.85	\$ 2,838.80	2.0	\$ 315.82	\$ 631.63	\$ 3,470.43
4000 GALLON WATER TRUCK	2.00	10.00	\$ 57.54	\$ 920.64	2.0	\$ 51.21	\$ 204.84	\$ 1,125.48
PICK UP TRUCK	1.00	10.00	\$ 21.78	\$ 174.24	2.0	\$ 19.38	\$ 38.77	\$ 213.01
TOTAL EQUIPMENT COSTS								\$ 36,332.29

LABOR								
JOB CLASSIFICATION	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	OT RATE	AMOUNT OT	TOTAL AMOUNT
FOREMAN	1.00	10.0	\$ 110.00	\$ 1,100.00	2.0	\$ 28.00	\$ 56.00	\$ 1,156.00
GRADE CHECKER	0.00	0.0	\$ 105.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -
OPERATOR - 657	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 651	7.00	10.0	\$ 91.00	\$ 6,370.00	2.0	\$ 29.00	\$ 58.00	\$ 6,428.00
OPERATOR - 637	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D5	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D8	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D9	1.00	10.0	\$ 91.00	\$ 910.00	2.0	\$ 28.00	\$ 56.00	\$ 966.00
OPERATOR - D10	1.00	2.0	\$ 91.00	\$ 182.00	2.0	\$ 28.00	\$ 56.00	\$ 238.00
OPERATOR - D10N PUSH DOZER	2.00	10.0	\$ 91.00	\$ 1,820.00	2.0	\$ 29.00	\$ 58.00	\$ 1,878.00
OPERATOR - D11	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 824	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 834	1.00	10.0	\$ 91.00	\$ 910.00	2.0	\$ 29.00	\$ 58.00	\$ 968.00
OPERATOR - WATER TRUCK	2.00	10.0	\$ 73.00	\$ 1,460.00	2.0	\$ 20.00	\$ 40.00	\$ 1,500.00
TOTAL LABOR COSTS				\$ -			\$ -	\$ 13,134.00

MATERIAL LUMP SUM OR UNIT PRICE PAYMENTS					
DESCRIPTION			QTY	UNIT COST	TOTAL
					\$ -
TOTAL MATERIAL COSTS					\$ -

SUKUT SUBCONTRACTOR COSTS				
DESCRIPTION	INVOICE NO.	DATE	VENDOR	TOTAL
				\$ -
TOTAL COSTS				\$ -

TOTAL COST SUMMARY, STANDARD MARK-UPS AND SUBCONTRACTOR MARK-UP				
DESCRIPTION	TOTAL COST	% MARK UP	AMOUNT MARK UP	TOTAL
TOTAL COST FOR EQUIPMENT	\$ 36,332.29	15.00%	\$ 5,449.84	\$ 41,782.14
TOTAL COST FOR LABORERS AND OPERATORS	\$ 13,134.00	0.00%	\$ -	\$ 13,134.00
TOTAL TAX ON MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR SUBCONTRACTOR	\$ -	0.00%	\$ -	\$ -
TOTAL FOR THIS CHANGE ORDER				\$ 54,916.14
BOND COST ADD (1% OF Total)				\$ 549.16
GRAND TOTAL OF THIS CHANGE ORDER REQUEST				\$ 55,465.30

**IBC EAST
ROCK EXCAVATION LOAD COUNTS**

DATE:	LOADS:			
2/27/2015	874	31	27,094	}
3/3/2015	862	31	26,722	
3/4/2015	755	26	19,630	}
3/5/2015	729	26	18,954	
3/6/2015	744	26	19,344	
3/9/2015	734	26	19,084	
3/10/2015	735	26	19,110	
3/11/2015	742	26	19,292	
3/12/2015	731	26	19,006	
3/16/2015	726	26	18,876	
3/17/2015	728	26	18,928	
3/18/2015	732	26	19,032	
3/19/2015	740	26	19,240	
3/20/2015	861	31	26,691	}
3/13/2015	867	31	26,877	
3/23/2015	880	31	27,280	
3/24/2015	903	31	27,993	
3/25/2015	895	31	27,745	
3/26/2015	907	31	28,117	
3/27/2015	925	31	28,675	

AVG = 19,136 CY

AVG = * 27,466 CY

27,466 CY
- 19,136 CY

8,330 CY

X 11 DAYS

91,630 CY

X \$ 1.45

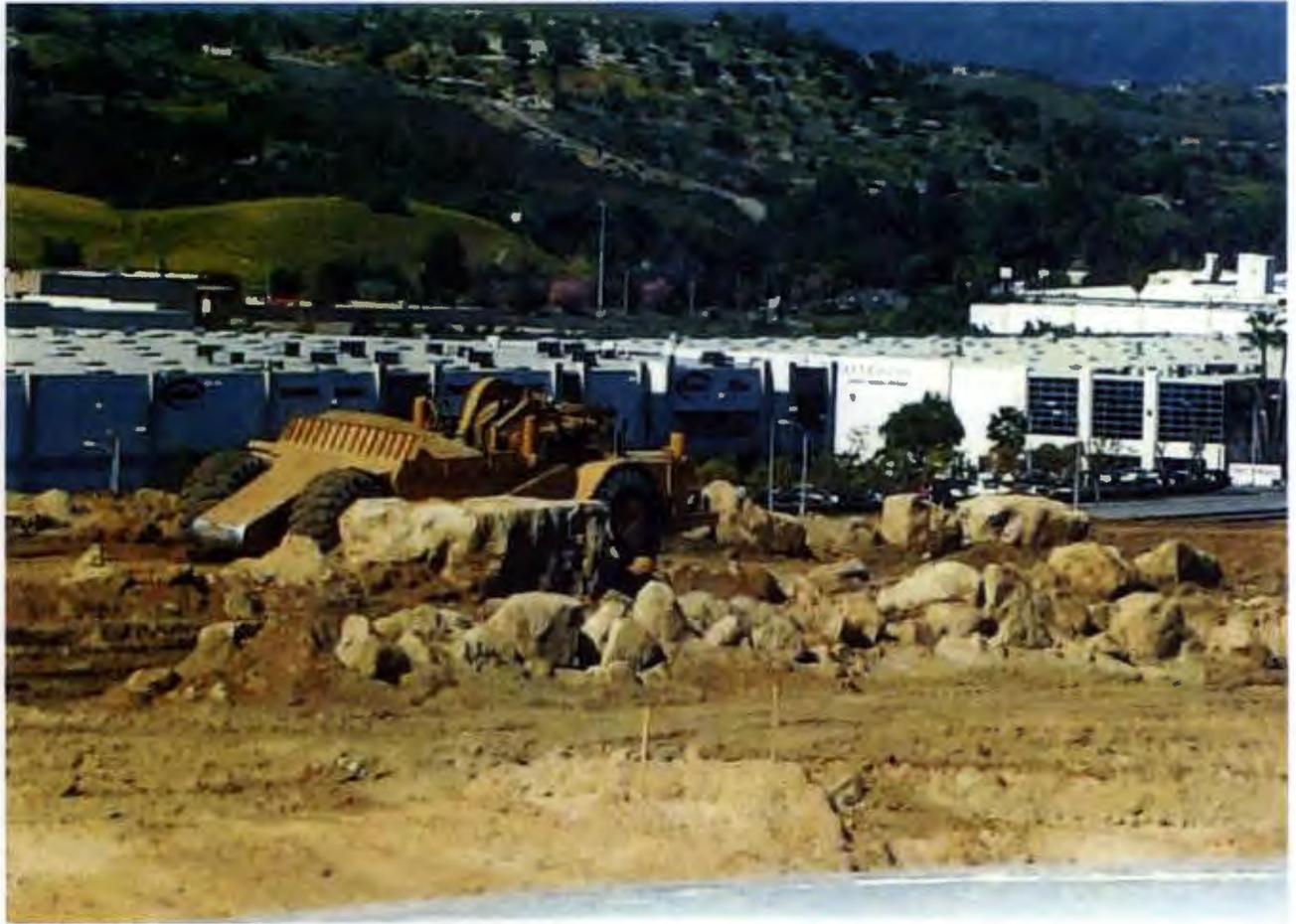
\$ 132,863.50













SC COR Number: 10.0
SC Job Number: 1158

Date: 4/16/2015
Owner: Successor Agency to the Industry Urban-Development Agency
C/o CNC Engineering
255 N. Hacienda Blvd. Suite 201
City of Industry, CA 91744
Attn: Gerardo Perez
Project: IBC East - 0380
Subject: IBC East Side Mass Grading - Rock Handling T&M

Mr. Perez,

Please see the following breakdown of change order request number 10.0.

Item:	Description:	Qty:	Unit:	Price:	Total:
1.0	Cut 14 Rock Handling 3/9/15	1	LS	\$ 1,163.43	\$ 1,163.43
2.0	Cut 14 Rock Handling 3/10/15	1	LS	\$ 2,828.32	\$ 2,828.32
3.0	Cut 14 Rock Handling 3/11/15	1	LS	\$ 4,493.20	\$ 4,493.20
4.0	Cut 14 Rock Handling 3/12/15	1	LS	\$ 6,223.14	\$ 6,223.14
5.0	Cut 14 Rock Handling 3/13/15	1	LS	\$ 5,169.60	\$ 5,169.60
6.0	Cut 14 Rock Handling 3/16/15	1	LS	\$ 805.08	\$ 805.08
7.0	Cut 14 Rock Handling 3/17/15	1	LS	\$ 1,373.38	\$ 1,373.38
8.0	Cut 14 Rock Handling 3/19/15	1	LS	\$ 10,430.40	\$ 10,430.40
9.0	Cut 14 Rock Handling 3/20/15	1	LS	\$ 2,897.14	\$ 2,897.14
10.0	Cut 14 Rock Handling 3/23/15	1	LS	\$ 3,693.33	\$ 3,693.33
11.0	Cut 14 Rock Handling 3/26/15	1	LS	\$ 790.72	\$ 790.72
Total Amount this Request:					\$ 39,867.74

This change order request includes all added labor, equipment, and material costs associated with the excessive handling of rock material that was generated during the excavation of Cut 14.

Thank you,

Bryan Nesthus

Sukut Construction

SUKUT CONSTRUCTION, LLC
4010 W. Chandler Avenue □ Santa Ana, CA 92704-5202
Tel: 714.540.5351 □ Fax: 714.545.2438 □ www.sukut.com
Contractor's License No. 554278

Change Order Request
Industry Business Center East Side Mass Grading

CHANGE ORDER REQUEST NUMBER:	10.0
DATE WORK COMPLETED	3/9/2015

SUKUT COR WORKSHEET NUMBER	1.0
SUKUT JOB NUMBER	1158

DESCRIPTION OF WORK	
Cut 14 Rock Handling	

EQUIPMENT									
MODEL	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	RATE	AMOUNT OT	TOTAL AMOUNT	
CAT 657 SCRAPER	0.00	0.00	\$ 575.70	\$ -	0.0	\$ 512.37	\$ -	\$ -	\$ -
CAT 651 SCRAPER	0.00	0.00	\$ 301.68	\$ -	0.0	\$ 268.50	\$ -	\$ -	\$ -
CAT 950 LOADER	1.00	2.00	\$ 146.42	\$ 292.84	0.0	\$ 130.31	\$ -	\$ 292.84	\$ -
CAT D5 DOZER	0.00	0.00	\$ 79.12	\$ -	0.0	\$ 70.42	\$ -	\$ -	\$ -
CAT D8 DOZER	0.00	0.00	\$ 211.39	\$ -	0.0	\$ 188.14	\$ -	\$ -	\$ -
CAT D9 DOZER	1.00	1.50	\$ 287.91	\$ 431.87	0.0	\$ 256.24	\$ -	\$ 431.87	\$ -
CAT D10 DOZER	0.00	0.00	\$ 435.58	\$ -	0.0	\$ 387.67	\$ -	\$ -	\$ -
CAT D10N PUSH DOZER	0.00	0.00	\$ 353.56	\$ -	0.0	\$ 314.67	\$ -	\$ -	\$ -
CAT D11 DOZER	0.00	0.00	\$ 551.49	\$ -	0.0	\$ 490.83	\$ -	\$ -	\$ -
CAT 824 COMPACTOR	0.00	0.00	\$ 233.21	\$ -	0.0	\$ 207.56	\$ -	\$ -	\$ -
CAT 834 COMPACTOR	0.00	0.00	\$ 351.12	\$ -	0.0	\$ 312.50	\$ -	\$ -	\$ -
4000 GALLON WATER TRUCK	0.00	0.00	\$ 57.51	\$ -	0.0	\$ 51.18	\$ -	\$ -	\$ -
PICK UP TRUCK	0.00	0.00	\$ 21.50	\$ -	0.0	\$ 19.14	\$ -	\$ -	\$ -
TOTAL EQUIPMENT COSTS									\$ 724.71

LABOR									
JOB CLASSIFICATION	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	OT RATE	AMOUNT OT	TOTAL AMOUNT	
FOREMAN	0.00	0.0	\$ 110.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
GRADE CHECKER	0.00	0.0	\$ 105.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -	\$ -
OPERATOR - 657	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - 651	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -	\$ -
OPERATOR - 950	1.00	2.0	\$ 91.00	\$ 182.00	0.0	\$ 28.00	\$ -	\$ 182.00	\$ -
OPERATOR - D5	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - D8	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - D9	1.00	1.5	\$ 91.00	\$ 136.50	0.0	\$ 28.00	\$ -	\$ 136.50	\$ -
OPERATOR - D10	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - D10N PUSH DOZER	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -	\$ -
OPERATOR - D11	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - 824	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - 834	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -	\$ -
OPERATOR - WATER TRUCK	0.00	0.0	\$ 73.00	\$ -	0.0	\$ 20.00	\$ -	\$ -	\$ -
TOTAL LABOR COSTS				\$ -			\$ -	\$ -	\$ 318.50

MATERIAL LUMP SUM OR UNIT PRICE PAYMENTS					
DESCRIPTION			QTY	UNIT COST	TOTAL
					\$ -
					\$ -
TOTAL MATERIAL COSTS					\$ -

SUKUT SUBCONTRACTOR COSTS						
DESCRIPTION	INVOICE NO.	DATE	VENDOR	UNITS	UNIT COST	TOTAL
						\$ -
TOTAL COSTS						\$ -

TOTAL COST SUMMARY, STANDARD MARK-UPS AND SUBCONTRACTOR MARK-UP				
DESCRIPTION	TOTAL COST	% MARK UP	AMOUNT MARK UP	TOTAL
TOTAL COST FOR EQUIPMENT	\$ 724.71	15.00%	\$ 108.71	\$ 833.41
TOTAL COST FOR LABORERS AND OPERATORS	\$ 318.50	0.00%	\$ -	\$ 318.50
TOTAL TAX ON MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR SUBCONTRACTOR	\$ -	0.00%	\$ -	\$ -
TOTAL FOR THIS CHANGE ORDER				\$ 1,151.91
BOND COST ADD (1% OF Total)				\$ 11.52
GRAND TOTAL OF THIS CHANGE ORDER REQUEST				\$ 1,163.43

Change Order Request
Industry Business Center East Side Mass Grading

CHANGE ORDER REQUEST NUMBER:	10.0
DATE WORK COMPLETED	3/10/2015

SUKUT COR WORKSHEET NUMBER	2.0
SUKUT JOB NUMBER	1158

DESCRIPTION OF WORK	
Cut 14 Rock Handling	

EQUIPMENT									
MODEL	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	RATE	AMOUNT OT	TOTAL AMOUNT	
CAT 657 SCRAPER	0.00	0.00	\$ 575.70	\$ -	0.0	\$ 512.37	\$ -	\$ -	\$ -
CAT 651 SCRAPER	0.00	0.00	\$ 301.68	\$ -	0.0	\$ 268.50	\$ -	\$ -	\$ -
CAT 950 LOADER	1.00	4.00	\$ 146.42	\$ 585.68	2.0	\$ 130.31	\$ 260.63	\$ 846.31	\$ -
CAT D5 DOZER	0.00	0.00	\$ 79.12	\$ -	0.0	\$ 70.42	\$ -	\$ -	\$ -
CAT D8 DOZER	0.00	0.00	\$ 211.39	\$ -	0.0	\$ 188.14	\$ -	\$ -	\$ -
CAT D9 DOZER	1.00	1.50	\$ 287.91	\$ 431.87	0.0	\$ 256.24	\$ -	\$ 431.87	\$ -
CAT D10 DOZER	1.00	1.00	\$ 435.58	\$ 435.58	0.0	\$ 387.67	\$ -	\$ 435.58	\$ -
CAT D10N PUSH DOZER	0.00	0.00	\$ 353.56	\$ -	0.0	\$ 314.67	\$ -	\$ -	\$ -
CAT D11 DOZER	0.00	0.00	\$ 551.49	\$ -	0.0	\$ 490.83	\$ -	\$ -	\$ -
CAT 824 COMPACTOR	0.00	0.00	\$ 233.21	\$ -	0.0	\$ 207.56	\$ -	\$ -	\$ -
CAT 834 COMPACTOR	0.00	0.00	\$ 351.12	\$ -	0.0	\$ 312.50	\$ -	\$ -	\$ -
4000 GALLON WATER TRUCK	0.00	0.00	\$ 57.51	\$ -	0.0	\$ 51.18	\$ -	\$ -	\$ -
PICK UP TRUCK	0.00	0.00	\$ 21.50	\$ -	0.0	\$ 19.14	\$ -	\$ -	\$ -
TOTAL EQUIPMENT COSTS								\$ 1,713.75	

LABOR									
JOB CLASSIFICATION	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	OT RATE	AMOUNT OT	TOTAL AMOUNT	
FOREMAN	0.00	0.0	\$ 110.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
GRADE CHECKER	0.00	0.0	\$ 105.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -	\$ -
OPERATOR - 657	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - 651	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -	\$ -
OPERATOR - 950	1.00	6.0	\$ 91.00	\$ 546.00	2.0	\$ 28.00	\$ 56.00	\$ 602.00	\$ -
OPERATOR - D5	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - D8	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - D9	1.00	1.5	\$ 91.00	\$ 136.50	0.0	\$ 28.00	\$ -	\$ 136.50	\$ -
OPERATOR - D10	1.00	1.0	\$ 91.00	\$ 91.00	0.0	\$ 28.00	\$ -	\$ 91.00	\$ -
OPERATOR - D10N PUSH DOZER	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -	\$ -
OPERATOR - D11	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - 824	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - 834	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -	\$ -
OPERATOR - WATER TRUCK	0.00	0.0	\$ 73.00	\$ -	0.0	\$ 20.00	\$ -	\$ -	\$ -
TOTAL LABOR COSTS				\$ -				\$ 829.50	

MATERIAL LUMP SUM OR UNIT PRICE PAYMENTS					
DESCRIPTION			QTY	UNIT COST	TOTAL
					\$ -
					\$ -
TOTAL MATERIAL COSTS					\$ -

SUKUT SUBCONTRACTOR COSTS						
DESCRIPTION	INVOICE NO.	DATE	VENDOR	UNITS	UNIT COST	TOTAL
						\$ -
TOTAL COSTS						\$ -

TOTAL COST SUMMARY, STANDARD MARK-UPS AND SUBCONTRACTOR MARK-UP				
DESCRIPTION	TOTAL COST	% MARK UP	AMOUNT MARK UP	TOTAL
TOTAL COST FOR EQUIPMENT	\$ 1,713.75	15.00%	\$ 257.06	\$ 1,970.82
TOTAL COST FOR LABORERS AND OPERATORS	\$ 829.50	0.00%	\$ -	\$ 829.50
TOTAL TAX ON MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR SUBCONTRACTOR	\$ -	0.00%	\$ -	\$ -
TOTAL FOR THIS CHANGE ORDER				\$ 2,800.32
BOND COST ADD (1% OF Total)				\$ 28.00
GRAND TOTAL OF THIS CHANGE ORDER REQUEST				\$ 2,828.32

Change Order Request
Industry Business Center East Side Mass Grading

CHANGE ORDER REQUEST NUMBER:	10.0
DATE WORK COMPLETED	3/11/2015

SUKUT COR WORKSHEET NUMBER	3.0
SUKUT JOB NUMBER	1158

DESCRIPTION OF WORK	
Cut 14 Rock Handling	

EQUIPMENT								
MODEL	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	RATE	AMOUNT OT	TOTAL AMOUNT
CAT 657 SCRAPER	0.00	0.00	\$ 575.70	\$ -	0.0	\$ 512.37	\$ -	\$ -
CAT 651 SCRAPER	0.00	0.00	\$ 301.68	\$ -	0.0	\$ 268.50	\$ -	\$ -
CAT 950 LOADER	1.00	6.00	\$ 146.42	\$ 878.52	2.0	\$ 130.31	\$ 260.63	\$ 1,139.15
CAT D5 DOZER	0.00	0.00	\$ 79.12	\$ -	0.0	\$ 70.42	\$ -	\$ -
CAT D8 DOZER	0.00	0.00	\$ 211.39	\$ -	0.0	\$ 188.14	\$ -	\$ -
CAT D9 DOZER	1.00	1.50	\$ 287.91	\$ 431.87	0.0	\$ 256.24	\$ -	\$ 431.87
CAT D10 DOZER	1.00	1.00	\$ 435.58	\$ 435.58	2.0	\$ 387.67	\$ 775.33	\$ 1,210.91
CAT D10N PUSH DOZER	0.00	0.00	\$ 353.56	\$ -	0.0	\$ 314.67	\$ -	\$ -
CAT D11 DOZER	0.00	0.00	\$ 551.49	\$ -	0.0	\$ 490.83	\$ -	\$ -
CAT 824 COMPACTOR	0.00	0.00	\$ 233.21	\$ -	0.0	\$ 207.56	\$ -	\$ -
CAT 834 COMPACTOR	0.00	0.00	\$ 351.12	\$ -	0.0	\$ 312.50	\$ -	\$ -
4000 GALLON WATER TRUCK	0.00	0.00	\$ 57.51	\$ -	0.0	\$ 51.18	\$ -	\$ -
PICK UP TRUCK	0.00	0.00	\$ 21.50	\$ -	0.0	\$ 19.14	\$ -	\$ -
TOTAL EQUIPMENT COSTS								\$ 2,781.93

LABOR								
JOB CLASSIFICATION	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	OT RATE	AMOUNT OT	TOTAL AMOUNT
FOREMAN	0.00	0.0	\$ 110.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
GRADE CHECKER	0.00	0.0	\$ 105.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -
OPERATOR - 657	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 651	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -
OPERATOR - 950	1.00	8.0	\$ 91.00	\$ 728.00	2.0	\$ 28.00	\$ 56.00	\$ 784.00
OPERATOR - D5	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D8	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D9	1.00	1.5	\$ 91.00	\$ 136.50	0.0	\$ 28.00	\$ -	\$ 136.50
OPERATOR - D10	1.00	3.0	\$ 91.00	\$ 273.00	2.0	\$ 28.00	\$ 56.00	\$ 329.00
OPERATOR - D10N PUSH DOZER	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -
OPERATOR - D11	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 824	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 834	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -
OPERATOR - WATER TRUCK	0.00	0.0	\$ 73.00	\$ -	0.0	\$ 20.00	\$ -	\$ -
TOTAL LABOR COSTS								\$ 1,249.50

MATERIAL LUMP SUM OR UNIT PRICE PAYMENTS				
DESCRIPTION		QTY	UNIT COST	TOTAL
				\$ -
				\$ -
TOTAL MATERIAL COSTS				\$ -

SUKUT SUBCONTRACTOR COSTS				
DESCRIPTION	INVOICE NO.	DATE	VENDOR	TOTAL
				\$ -
TOTAL COSTS				\$ -

TOTAL COST SUMMARY, STANDARD MARK-UPS AND SUBCONTRACTOR MARK-UP			
DESCRIPTION	TOTAL COST	% MARK UP	TOTAL
TOTAL COST FOR EQUIPMENT	\$ 2,781.93	15.00%	\$ 3,199.21
TOTAL COST FOR LABORERS AND OPERATORS	\$ 1,249.50	0.00%	\$ 1,249.50
TOTAL TAX ON MATERIALS	\$ -	0.00%	\$ -
TOTAL COST FOR MATERIALS	\$ -	0.00%	\$ -
TOTAL COST FOR SUBCONTRACTOR	\$ -	0.00%	\$ -
TOTAL FOR THIS CHANGE ORDER			\$ 4,448.71
BOND COST ADD (1% OF Total)			\$ 44.49
GRAND TOTAL OF THIS CHANGE ORDER REQUEST			\$ 4,493.20

Change Order Request
Industry Business Center East Side Mass Grading

CHANGE ORDER REQUEST NUMBER:	10.0
DATE WORK COMPLETED	3/12/2015

SUKUT COR WORKSHEET NUMBER	4.0
SUKUT JOB NUMBER	1158

DESCRIPTION OF WORK	
Cut 14 Rock Handling	

EQUIPMENT								
MODEL	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	RATE	AMOUNT OT	TOTAL AMOUNT
CAT 657 SCRAPER	0.00	0.00	\$ 575.70	\$ -	0.0	\$ 512.37	\$ -	\$ -
CAT 651 SCRAPER	0.00	0.00	\$ 301.68	\$ -	0.0	\$ 268.50	\$ -	\$ -
CAT 950 LOADER	1.00	5.00	\$ 146.42	\$ 732.10	0.0	\$ 130.31	\$ -	\$ 732.10
CAT D5 DOZER	0.00	0.00	\$ 79.12	\$ -	0.0	\$ 70.42	\$ -	\$ -
CAT D8 DOZER	0.00	0.00	\$ 211.39	\$ -	0.0	\$ 188.14	\$ -	\$ -
CAT D9 DOZER	1.00	1.50	\$ 287.91	\$ 431.87	0.0	\$ 256.24	\$ -	\$ 431.87
CAT D10 DOZER	1.00	3.50	\$ 435.58	\$ 1,524.53	1.5	\$ 387.67	\$ 581.50	\$ 2,106.03
CAT D10N PUSH DOZER	0.00	0.00	\$ 353.56	\$ -	0.0	\$ 314.67	\$ -	\$ -
CAT D11 DOZER	0.00	0.00	\$ 551.49	\$ -	0.0	\$ 490.83	\$ -	\$ -
CAT 824 COMPACTOR	0.00	0.00	\$ 233.21	\$ -	0.0	\$ 207.56	\$ -	\$ -
CAT 834 COMPACTOR	0.00	0.00	\$ 351.12	\$ -	0.0	\$ 312.50	\$ -	\$ -
4000 GALLON WATER TRUCK	0.00	0.00	\$ 57.51	\$ -	0.0	\$ 51.18	\$ -	\$ -
PICK UP TRUCK	2.00	4.50	\$ 21.50	\$ 193.50	1.0	\$ 19.14	\$ 38.27	\$ 231.77
TOTAL EQUIPMENT COSTS								\$ 3,501.76

LABOR								
JOB CLASSIFICATION	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	OT RATE	AMOUNT OT	TOTAL AMOUNT
FOREMAN	2.00	4.5	\$ 110.00	\$ 990.00	1.0	\$ 28.00	\$ 56.00	\$ 1,046.00
GRADE CHECKER	0.00	0.0	\$ 105.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -
OPERATOR - 657	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 651	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -
OPERATOR - 950	1.00	5.0	\$ 91.00	\$ 455.00	0.0	\$ 28.00	\$ -	\$ 455.00
OPERATOR - D5	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D8	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D9	1.00	1.5	\$ 91.00	\$ 136.50	0.0	\$ 28.00	\$ -	\$ 136.50
OPERATOR - D10	1.00	5.0	\$ 91.00	\$ 455.00	1.5	\$ 28.00	\$ 42.00	\$ 497.00
OPERATOR - D10N PUSH DOZER	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -
OPERATOR - D11	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 824	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 834	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -
OPERATOR - WATER TRUCK	0.00	0.0	\$ 73.00	\$ -	0.0	\$ 20.00	\$ -	\$ -
TOTAL LABOR COSTS				\$ -			\$ -	\$ 2,134.50

MATERIAL LUMP SUM OR UNIT PRICE PAYMENTS				
DESCRIPTION		QTY	UNIT COST	TOTAL
				\$ -
				\$ -
TOTAL MATERIAL COSTS				\$ -

SUKUT SUBCONTRACTOR COSTS				
DESCRIPTION	INVOICE NO.	DATE	VENDOR	TOTAL
				\$ -
TOTAL COSTS				\$ -

TOTAL COST SUMMARY, STANDARD MARK-UPS AND SUBCONTRACTOR MARK-UP			
DESCRIPTION	TOTAL COST	% MARK UP	TOTAL
TOTAL COST FOR EQUIPMENT	\$ 3,501.76	15.00%	\$ 4,027.03
TOTAL COST FOR LABORERS AND OPERATORS	\$ 2,134.50	0.00%	\$ 2,134.50
TOTAL TAX ON MATERIALS	\$ -	0.00%	\$ -
TOTAL COST FOR MATERIALS	\$ -	0.00%	\$ -
TOTAL COST FOR SUBCONTRACTOR	\$ -	0.00%	\$ -
TOTAL FOR THIS CHANGE ORDER			\$ 6,161.53
BOND COST ADD (1% OF Total)			\$ 61.62
GRAND TOTAL OF THIS CHANGE ORDER REQUEST			\$ 6,223.14

Change Order Request
Industry Business Center East Side Mass Grading

CHANGE ORDER REQUEST NUMBER:	10.0
DATE WORK COMPLETED	3/13/2015

SUKUT COR WORKSHEET NUMBER	5.0
SUKUT JOB NUMBER	1158

DESCRIPTION OF WORK	
Cut 14 Rock Handling	

EQUIPMENT									
MODEL	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	RATE	AMOUNT OT	TOTAL AMOUNT	
CAT 657 SCRAPER	1.00	2.50	\$ 575.70	\$ 1,439.25	2.0	\$ 512.37	\$ 1,024.75	\$	\$ 2,464.00
CAT 651 SCRAPER	0.00	0.00	\$ 301.68	\$ -	0.0	\$ 268.50	\$ -	\$	\$ -
CAT 950 LOADER	1.00	2.50	\$ 146.42	\$ 366.05	2.0	\$ 130.31	\$ 260.63	\$	\$ 626.68
CAT D5 DOZER	0.00	0.00	\$ 79.12	\$ -	0.0	\$ 70.42	\$ -	\$	\$ -
CAT D8 DOZER	0.00	0.00	\$ 211.39	\$ -	0.0	\$ 188.14	\$ -	\$	\$ -
CAT D9 DOZER	1.00	1.50	\$ 287.91	\$ 431.87	0.0	\$ 256.24	\$ -	\$	\$ 431.87
CAT D10 DOZER	0.00	0.00	\$ 435.58	\$ -	0.0	\$ 387.67	\$ -	\$	\$ -
CAT D10N PUSH DOZER	0.00	0.00	\$ 353.56	\$ -	0.0	\$ 314.67	\$ -	\$	\$ -
CAT D11 DOZER	0.00	0.00	\$ 551.49	\$ -	0.0	\$ 490.83	\$ -	\$	\$ -
CAT 824 COMPACTOR	0.00	0.00	\$ 233.21	\$ -	0.0	\$ 207.56	\$ -	\$	\$ -
CAT 834 COMPACTOR	0.00	0.00	\$ 351.12	\$ -	0.0	\$ 312.50	\$ -	\$	\$ -
4000 GALLON WATER TRUCK	0.00	0.00	\$ 57.51	\$ -	0.0	\$ 51.18	\$ -	\$	\$ -
PICK UP TRUCK	0.00	0.00	\$ 21.50	\$ -	0.0	\$ 19.14	\$ -	\$	\$ -
TOTAL EQUIPMENT COSTS								\$	\$ 3,522.54

LABOR									
JOB CLASSIFICATION	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	OT RATE	AMOUNT OT	TOTAL AMOUNT	
FOREMAN	0.00	0.0	\$ 110.00	\$ -	0.0	\$ 28.00	\$ -	\$	\$ -
GRADE CHECKER	0.00	0.0	\$ 105.00	\$ -	0.0	\$ 28.00	\$ -	\$	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$	\$ -
OPERATOR - 657	1.00	4.5	\$ 91.00	\$ 409.50	2.0	\$ 28.00	\$ 56.00	\$	\$ 465.50
OPERATOR - 651	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$	\$ -
OPERATOR - 950	1.00	4.5	\$ 91.00	\$ 409.50	2.0	\$ 28.00	\$ 56.00	\$	\$ 465.50
OPERATOR - D5	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$	\$ -
OPERATOR - D8	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$	\$ -
OPERATOR - D9	1.00	1.5	\$ 91.00	\$ 136.50	0.0	\$ 28.00	\$ -	\$	\$ 136.50
OPERATOR - D10	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$	\$ -
OPERATOR - D10N PUSH DOZER	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$	\$ -
OPERATOR - D11	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$	\$ -
OPERATOR - 824	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$	\$ -
OPERATOR - 834	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$	\$ -
OPERATOR - WATER TRUCK	0.00	0.0	\$ 73.00	\$ -	0.0	\$ 20.00	\$ -	\$	\$ -
TOTAL LABOR COSTS				\$ -			\$ -	\$	\$ 1,067.50

MATERIAL LUMP SUM OR UNIT PRICE PAYMENTS					
DESCRIPTION			QTY	UNIT COST	TOTAL
					\$ -
					\$ -
TOTAL MATERIAL COSTS					\$ -

SUKUT SUBCONTRACTOR COSTS						
DESCRIPTION	INVOICE NO.	DATE	VENDOR	UNITS	UNIT COST	TOTAL
						\$ -
TOTAL COSTS						\$ -

TOTAL COST SUMMARY, STANDARD MARK-UPS AND SUBCONTRACTOR MARK-UP				
DESCRIPTION	TOTAL COST	% MARK UP	AMOUNT MARK UP	TOTAL
TOTAL COST FOR EQUIPMENT	\$ 3,522.54	15.00%	\$ 528.38	\$ 4,050.92
TOTAL COST FOR LABORERS AND OPERATORS	\$ 1,067.50	0.00%	\$ -	\$ 1,067.50
TOTAL TAX ON MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR SUBCONTRACTOR	\$ -	0.00%	\$ -	\$ -
TOTAL FOR THIS CHANGE ORDER				\$ 5,118.42
BOND COST ADD (1% OF Total)				\$ 51.18
GRAND TOTAL OF THIS CHANGE ORDER REQUEST				\$ 5,169.60

Change Order Request
Industry Business Center East Side Mass Grading

CHANGE ORDER REQUEST NUMBER:	10.0
DATE WORK COMPLETED	3/16/2015

SUKUT COR WORKSHEET NUMBER	6.0
SUKUT JOB NUMBER	1158

DESCRIPTION OF WORK	
Cut 14 Rock Handling	

EQUIPMENT								
MODEL	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	RATE	AMOUNT OT	TOTAL AMOUNT
CAT 657 SCRAPER	0.00	0.00	\$ 575.70	\$ -	0.0	\$ 512.37	\$ -	\$ -
CAT 651 SCRAPER	0.00	0.00	\$ 301.68	\$ -	0.0	\$ 268.50	\$ -	\$ -
CAT 950 LOADER	1.00	1.00	\$ 146.42	\$ 146.42	2.0	\$ 130.31	\$ 260.63	\$ 407.05
CAT D5 DOZER	0.00	0.00	\$ 79.12	\$ -	0.0	\$ 70.42	\$ -	\$ -
CAT D8 DOZER	0.00	0.00	\$ 211.39	\$ -	0.0	\$ 188.14	\$ -	\$ -
CAT D9 DOZER	0.00	0.00	\$ 287.91	\$ -	0.0	\$ 256.24	\$ -	\$ -
CAT D10 DOZER	0.00	0.00	\$ 435.58	\$ -	0.0	\$ 387.67	\$ -	\$ -
CAT D10N PUSH DOZER	0.00	0.00	\$ 353.56	\$ -	0.0	\$ 314.67	\$ -	\$ -
CAT D11 DOZER	0.00	0.00	\$ 551.49	\$ -	0.0	\$ 490.83	\$ -	\$ -
CAT 824 COMPACTOR	0.00	0.00	\$ 233.21	\$ -	0.0	\$ 207.56	\$ -	\$ -
CAT 834 COMPACTOR	0.00	0.00	\$ 351.12	\$ -	0.0	\$ 312.50	\$ -	\$ -
4000 GALLON WATER TRUCK	0.00	0.00	\$ 57.51	\$ -	0.0	\$ 51.18	\$ -	\$ -
PICK UP TRUCK	0.00	0.00	\$ 21.50	\$ -	0.0	\$ 19.14	\$ -	\$ -
TOTAL EQUIPMENT COSTS								\$ 407.05

LABOR								
JOB CLASSIFICATION	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	OT RATE	AMOUNT OT	TOTAL AMOUNT
FOREMAN	0.00	0.0	\$ 110.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
GRADE CHECKER	0.00	0.0	\$ 105.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -
OPERATOR - 657	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 651	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -
OPERATOR - 950	1.00	3.0	\$ 91.00	\$ 273.00	2.0	\$ 28.00	\$ 56.00	\$ 329.00
OPERATOR - D5	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D8	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D9	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D10	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D10N PUSH DOZER	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -
OPERATOR - D11	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 824	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 834	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -
OPERATOR - WATER TRUCK	0.00	0.0	\$ 73.00	\$ -	0.0	\$ 20.00	\$ -	\$ -
TOTAL LABOR COSTS				\$ -			\$ -	\$ 329.00

MATERIAL LUMP SUM OR UNIT PRICE PAYMENTS				
DESCRIPTION		QTY	UNIT COST	TOTAL
				\$ -
				\$ -
TOTAL MATERIAL COSTS				\$ -

SUKUT SUBCONTRACTOR COSTS				
DESCRIPTION	INVOICE NO.	DATE	VENDOR	TOTAL
				\$ -
TOTAL COSTS				\$ -

TOTAL COST SUMMARY, STANDARD MARK-UPS AND SUBCONTRACTOR MARK-UP				
DESCRIPTION	TOTAL COST	% MARK UP	AMOUNT MARK UP	TOTAL
TOTAL COST FOR EQUIPMENT	\$ 407.05	15.00%	\$ 61.06	\$ 468.10
TOTAL COST FOR LABORERS AND OPERATORS	\$ 329.00	0.00%	\$ -	\$ 329.00
TOTAL TAX ON MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR SUBCONTRACTOR	\$ -	0.00%	\$ -	\$ -
TOTAL FOR THIS CHANGE ORDER				\$ 797.10
BOND COST ADD (1% OF Total)				\$ 7.97
GRAND TOTAL OF THIS CHANGE ORDER REQUEST				\$ 805.08

Change Order Request
Industry Business Center East Side Mass Grading

CHANGE ORDER REQUEST NUMBER:	10.0
DATE WORK COMPLETED	3/17/2015

SUKUT COR WORKSHEET NUMBER	7.0
SUKUT JOB NUMBER	1158

DESCRIPTION OF WORK	
Cut 14 Rock Handling	

EQUIPMENT									
MODEL	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	RATE	AMOUNT OT	TOTAL AMOUNT	
CAT 657 SCRAPER	0.00	0.00	\$ 575.70	\$ -	0.0	\$ 512.37	\$ -	\$ -	\$ -
CAT 651 SCRAPER	0.00	0.00	\$ 301.68	\$ -	0.0	\$ 268.50	\$ -	\$ -	\$ -
CAT 950 LOADER	0.00	0.00	\$ 146.42	\$ -	0.0	\$ 130.31	\$ -	\$ -	\$ -
CAT D5 DOZER	0.00	0.00	\$ 79.12	\$ -	0.0	\$ 70.42	\$ -	\$ -	\$ -
CAT D8 DOZER	0.00	0.00	\$ 211.39	\$ -	0.0	\$ 188.14	\$ -	\$ -	\$ -
CAT D9 DOZER	1.00	1.50	\$ 287.91	\$ 431.87	0.0	\$ 256.24	\$ -	\$ -	\$ 431.87
CAT D10 DOZER	1.00	1.00	\$ 435.58	\$ 435.58	0.0	\$ 387.67	\$ -	\$ -	\$ 435.58
CAT D10N PUSH DOZER	0.00	0.00	\$ 353.56	\$ -	0.0	\$ 314.67	\$ -	\$ -	\$ -
CAT D11 DOZER	0.00	0.00	\$ 551.49	\$ -	0.0	\$ 490.83	\$ -	\$ -	\$ -
CAT 824 COMPACTOR	0.00	0.00	\$ 233.21	\$ -	0.0	\$ 207.56	\$ -	\$ -	\$ -
CAT 834 COMPACTOR	0.00	0.00	\$ 351.12	\$ -	0.0	\$ 312.50	\$ -	\$ -	\$ -
4000 GALLON WATER TRUCK	0.00	0.00	\$ 57.51	\$ -	0.0	\$ 51.18	\$ -	\$ -	\$ -
PICK UP TRUCK	1.00	1.00	\$ 21.50	\$ 21.50	0.0	\$ 19.14	\$ -	\$ -	\$ 21.50
TOTAL EQUIPMENT COSTS									\$ 888.95

LABOR									
JOB CLASSIFICATION	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	OT RATE	AMOUNT OT	TOTAL AMOUNT	
FOREMAN	1.00	1.0	\$ 110.00	\$ 110.00	0.0	\$ 28.00	\$ -	\$ -	\$ 110.00
GRADE CHECKER	0.00	0.0	\$ 105.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -	\$ -
OPERATOR - 657	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - 651	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -	\$ -
OPERATOR - 950	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - D5	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - D8	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - D9	1.00	1.5	\$ 91.00	\$ 136.50	0.0	\$ 28.00	\$ -	\$ -	\$ 136.50
OPERATOR - D10	1.00	1.0	\$ 91.00	\$ 91.00	0.0	\$ 28.00	\$ -	\$ -	\$ 91.00
OPERATOR - D10N PUSH DOZER	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -	\$ -
OPERATOR - D11	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - 824	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - 834	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -	\$ -
OPERATOR - WATER TRUCK	0.00	0.0	\$ 73.00	\$ -	0.0	\$ 20.00	\$ -	\$ -	\$ -
TOTAL LABOR COSTS									\$ 337.50

MATERIAL LUMP SUM OR UNIT PRICE PAYMENTS					
DESCRIPTION			QTY	UNIT COST	TOTAL
					\$ -
					\$ -
TOTAL MATERIAL COSTS					\$ -

SUKUT SUBCONTRACTOR COSTS						
DESCRIPTION	INVOICE NO.	DATE	VENDOR	UNITS	UNIT COST	TOTAL
						\$ -
TOTAL COSTS						\$ -

TOTAL COST SUMMARY, STANDARD MARK-UPS AND SUBCONTRACTOR MARK-UP				
DESCRIPTION	TOTAL COST	% MARK UP	AMOUNT MARK UP	TOTAL
TOTAL COST FOR EQUIPMENT	\$ 888.95	15.00%	\$ 133.34	\$ 1,022.29
TOTAL COST FOR LABORERS AND OPERATORS	\$ 337.50	0.00%	\$ -	\$ 337.50
TOTAL TAX ON MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR SUBCONTRACTOR	\$ -	0.00%	\$ -	\$ -
TOTAL FOR THIS CHANGE ORDER				\$ 1,369.79
BOND COST ADD (1% OF Total)				\$ 13.60
GRAND TOTAL OF THIS CHANGE ORDER REQUEST				\$ 1,373.38

Change Order Request
Industry Business Center East Side Mass Grading

CHANGE ORDER REQUEST NUMBER:	10.0
DATE WORK COMPLETED	3/19/2015

SUKUT COR WORKSHEET NUMBER	8.0
SUKUT JOB NUMBER	1158

DESCRIPTION OF WORK	
Cut 14 Rock Handling	

EQUIPMENT									
MODEL	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	RATE	AMOUNT OT	TOTAL AMOUNT	
CAT 657 SCRAPER	0.00	0.00	\$ 575.70	\$ -	0.0	\$ 512.37	\$ -	\$ -	\$ -
CAT 651 SCRAPER	0.00	0.00	\$ 301.68	\$ -	0.0	\$ 268.50	\$ -	\$ -	\$ -
CAT 950 LOADER	1.00	8.00	\$ 146.42	\$ 1,171.36	0.0	\$ 130.31	\$ -	\$ -	\$ 1,171.36
CAT D5 DOZER	0.00	0.00	\$ 79.12	\$ -	0.0	\$ 70.42	\$ -	\$ -	\$ -
CAT D8 DOZER	0.00	0.00	\$ 211.39	\$ -	0.0	\$ 188.14	\$ -	\$ -	\$ -
CAT D9 DOZER	0.00	0.00	\$ 287.91	\$ -	0.0	\$ 256.24	\$ -	\$ -	\$ -
CAT D10 DOZER	0.00	0.00	\$ 435.58	\$ -	0.0	\$ 387.67	\$ -	\$ -	\$ -
CAT D10N PUSH DOZER	0.00	0.00	\$ 353.56	\$ -	0.0	\$ 314.67	\$ -	\$ -	\$ -
CAT D11 DOZER	0.00	0.00	\$ 551.49	\$ -	0.0	\$ 490.83	\$ -	\$ -	\$ -
CAT 773 ROCK TRUCK	1.00	8.00	\$ 257.87	\$ 2,062.96	0.0	\$ 229.50	\$ -	\$ -	\$ 2,062.96
CAT 350 EXCAVATOR	1.00	8.00	\$ 208.36	\$ 1,666.88	1.5	\$ 185.44	\$ 278.16	\$ -	\$ 1,945.04
CAT 824 COMPACTOR	0.00	0.00	\$ 233.21	\$ -	0.0	\$ 207.56	\$ -	\$ -	\$ -
CAT 834 COMPACTOR	0.00	0.00	\$ 351.12	\$ -	0.0	\$ 312.50	\$ -	\$ -	\$ -
4000 GALLON WATER TRUCK	0.00	0.00	\$ 57.51	\$ -	0.0	\$ 51.18	\$ -	\$ -	\$ -
PICK UP TRUCK	1.00	6.00	\$ 21.50	\$ 129.00	2.0	\$ 19.14	\$ 38.27	\$ -	\$ 167.27
TOTAL EQUIPMENT COSTS									\$ 5,346.63

LABOR								
JOB CLASSIFICATION	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	OT RATE	AMOUNT OT	TOTAL AMOUNT
FOREMAN	0.00	0.0	\$ 110.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
GRADE CHECKER	1.00	8.0	\$ 105.00	\$ 840.00	2.0	\$ 28.00	\$ 56.00	\$ 896.00
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -
OPERATOR - 657	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 651	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -
OPERATOR - 950	1.00	8.0	\$ 91.00	\$ 728.00	0.0	\$ 28.00	\$ -	\$ 728.00
OPERATOR - D5	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D8	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D9	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D10	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D10N PUSH DOZER	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -
OPERATOR - D11	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 773	1.00	8.0	\$ 91.00	\$ 728.00	0.0	\$ 28.00	\$ -	\$ 728.00
OPERATOR - 350	1.00	9.5	\$ 91.00	\$ 864.50	1.5	\$ 28.00	\$ 42.00	\$ 906.50
OPERATOR - 824	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 834	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -
OPERATOR - WATER TRUCK	0.00	0.0	\$ 73.00	\$ -	0.0	\$ 20.00	\$ -	\$ -
TOTAL LABOR COSTS				\$ -			\$ -	\$ 3,258.50

MATERIAL LUMP SUM OR UNIT PRICE PAYMENTS				
DESCRIPTION		QTY	UNIT COST	TOTAL
CAT 350 EXCAVATOR BREAKER		1	\$ 650.00	\$ 650.00
EXCAVATOR BREAKER MOBILIZATION		1	\$ 150.00	\$ 150.00
TOTAL MATERIAL COSTS				\$ 800.00

SUKUT SUBCONTRACTOR COSTS						
DESCRIPTION	INVOICE NO.	DATE	VENDOR	UNITS	UNIT COST	TOTAL
						\$ -
TOTAL COSTS						\$ -

TOTAL COST SUMMARY, STANDARD MARK-UPS AND SUBCONTRACTOR MARK-UP				
DESCRIPTION	TOTAL COST	% MARK UP	AMOUNT MARK UP	TOTAL
TOTAL COST FOR EQUIPMENT	\$ 5,346.63	15.00%	\$ 801.99	\$ 6,148.63
TOTAL COST FOR LABORERS AND OPERATORS	\$ 3,258.50	0.00%	\$ -	\$ 3,258.50
TOTAL TAX ON MATERIALS	\$ 800.00	0.00%	\$ -	\$ -
TOTAL COST FOR MATERIALS	\$ 800.00	15.00%	\$ 120.00	\$ 920.00
TOTAL COST FOR SUBCONTRACTOR	\$ -	0.00%	\$ -	\$ -
TOTAL FOR THIS CHANGE ORDER				\$ 10,327.13
BOND COST ADD (1% OF Total)				\$ 103.27
GRAND TOTAL OF THIS CHANGE ORDER REQUEST				\$ 10,430.40

Change Order Request
Industry Business Center East Side Mass Grading

CHANGE ORDER REQUEST NUMBER:	10.0
DATE WORK COMPLETED	3/20/2015

SUKUT COR WORKSHEET NUMBER	9.0
SUKUT JOB NUMBER	1158

DESCRIPTION OF WORK	
Cut 14 Rock Handling	

EQUIPMENT									
MODEL	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	RATE	AMOUNT OT	TOTAL AMOUNT	
CAT 657 SCRAPER	0.00	0.00	\$ 575.70	\$ -	0.0	\$ 512.37	\$ -	\$ -	\$ -
CAT 651 SCRAPER	0.00	0.00	\$ 301.68	\$ -	0.0	\$ 268.50	\$ -	\$ -	\$ -
CAT 950 LOADER	1.00	0.50	\$ 146.42	\$ 73.21	0.0	\$ 130.31	\$ -	\$ 73.21	\$ 73.21
CAT D5 DOZER	0.00	0.00	\$ 79.12	\$ -	0.0	\$ 70.42	\$ -	\$ -	\$ -
CAT D8 DOZER	0.00	0.00	\$ 211.39	\$ -	0.0	\$ 188.14	\$ -	\$ -	\$ -
CAT D9 DOZER	1.00	1.50	\$ 287.91	\$ 431.87	0.0	\$ 256.24	\$ -	\$ 431.87	\$ 431.87
CAT D10 DOZER	0.00	0.00	\$ 435.58	\$ -	0.0	\$ 387.67	\$ -	\$ -	\$ -
CAT D10N PUSH DOZER	0.00	0.00	\$ 353.56	\$ -	0.0	\$ 314.67	\$ -	\$ -	\$ -
CAT D11 DOZER	0.00	0.00	\$ 551.49	\$ -	0.0	\$ 490.83	\$ -	\$ -	\$ -
CAT 773 ROCK TRUCK	1.00	0.50	\$ 257.87	\$ 128.94	0.0	\$ 229.50	\$ -	\$ 128.94	\$ 128.94
CAT 350 EXCAVATOR	1.00	3.00	\$ 208.36	\$ 625.08	0.0	\$ 185.44	\$ -	\$ 625.08	\$ 625.08
CAT 824 COMPACTOR	0.00	0.00	\$ 233.21	\$ -	0.0	\$ 207.56	\$ -	\$ -	\$ -
CAT 834 COMPACTOR	0.00	0.00	\$ 351.12	\$ -	0.0	\$ 312.50	\$ -	\$ -	\$ -
4000 GALLON WATER TRUCK	0.00	0.00	\$ 57.51	\$ -	0.0	\$ 51.18	\$ -	\$ -	\$ -
PICK UP TRUCK	0.00	0.00	\$ 21.50	\$ -	0.0	\$ 19.14	\$ -	\$ -	\$ -
TOTAL EQUIPMENT COSTS									\$ 1,259.09

LABOR									
JOB CLASSIFICATION	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	OT RATE	AMOUNT OT	TOTAL AMOUNT	
FOREMAN	0.00	0.0	\$ 110.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
GRADE CHECKER	0.00	0.0	\$ 105.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -	\$ -
OPERATOR - 657	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - 651	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -	\$ -
OPERATOR - 950	1.00	0.5	\$ 91.00	\$ 45.50	0.0	\$ 28.00	\$ -	\$ 45.50	\$ 45.50
OPERATOR - D5	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - D8	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - D9	1.00	1.5	\$ 91.00	\$ 136.50	0.0	\$ 28.00	\$ -	\$ 136.50	\$ 136.50
OPERATOR - D10	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - D10N PUSH DOZER	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -	\$ -
OPERATOR - D11	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - 773	1.00	0.5	\$ 91.00	\$ 45.50	0.0	\$ 28.00	\$ -	\$ 45.50	\$ 45.50
OPERATOR - 350	1.00	3.0	\$ 91.00	\$ 273.00	0.0	\$ 28.00	\$ -	\$ 273.00	\$ 273.00
OPERATOR - 824	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - 834	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -	\$ -
OPERATOR - WATER TRUCK	0.00	0.0	\$ 73.00	\$ -	0.0	\$ 20.00	\$ -	\$ -	\$ -
TOTAL LABOR COSTS				\$ -			\$ -	\$ -	\$ 500.50

MATERIAL LUMP SUM OR UNIT PRICE PAYMENTS					
DESCRIPTION			QTY	UNIT COST	TOTAL
CAT 350 EXCAVATOR BREAKER			1	\$ 650.00	\$ 650.00
EXCAVATOR BREAKER MOBILIZATION			1	\$ 150.00	\$ 150.00
TOTAL MATERIAL COSTS					\$ 800.00

SUKUT SUBCONTRACTOR COSTS						
DESCRIPTION	INVOICE NO.	DATE	VENDOR	UNITS	UNIT COST	TOTAL
						\$ -
TOTAL COSTS						\$ -

TOTAL COST SUMMARY, STANDARD MARK-UPS AND SUBCONTRACTOR MARK-UP				
DESCRIPTION	TOTAL COST	% MARK UP	AMOUNT MARK UP	TOTAL
TOTAL COST FOR EQUIPMENT	\$ 1,259.09	15.00%	\$ 188.86	\$ 1,447.95
TOTAL COST FOR LABORERS AND OPERATORS	\$ 500.50	0.00%	\$ -	\$ 500.50
TOTAL TAX ON MATERIALS	\$ 800.00	0.00%	\$ -	\$ -
TOTAL COST FOR MATERIALS	\$ 800.00	15.00%	\$ 120.00	\$ 920.00
TOTAL COST FOR SUBCONTRACTOR	\$ -	0.00%	\$ -	\$ -
TOTAL FOR THIS CHANGE ORDER				\$ 2,868.45
BOND COST ADD (1% OF Total)				\$ 28.68
GRAND TOTAL OF THIS CHANGE ORDER REQUEST				\$ 2,897.14

Change Order Request
Industry Business Center East Side Mass Grading

CHANGE ORDER REQUEST NUMBER:	10.0
DATE WORK COMPLETED	3/23/2015

SUKUT COR WORKSHEET NUMBER	10.0
SUKUT JOB NUMBER	1158

DESCRIPTION OF WORK	
Cut 14 Rock Handling	

EQUIPMENT									
MODEL	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	RATE	AMOUNT OT	TOTAL AMOUNT	
CAT 657 SCRAPER	0.00	0.00	\$ 575.70	\$ -	0.0	\$ 512.37	\$ -	\$ -	\$ -
CAT 651 SCRAPER	0.00	0.00	\$ 301.68	\$ -	0.0	\$ 268.50	\$ -	\$ -	\$ -
CAT 950 LOADER	1.00	5.00	\$ 146.42	\$ 732.10	0.0	\$ 130.31	\$ -	\$ -	\$ 732.10
CAT D5 DOZER	0.00	0.00	\$ 79.12	\$ -	0.0	\$ 70.42	\$ -	\$ -	\$ -
CAT D8 DOZER	0.00	0.00	\$ 211.39	\$ -	0.0	\$ 188.14	\$ -	\$ -	\$ -
CAT D9 DOZER	1.00	1.00	\$ 287.91	\$ 287.91	0.0	\$ 256.24	\$ -	\$ -	\$ 287.91
CAT D10 DOZER	0.00	0.00	\$ 435.58	\$ -	0.0	\$ 387.67	\$ -	\$ -	\$ -
CAT D10N PUSH DOZER	0.00	0.00	\$ 353.56	\$ -	0.0	\$ 314.67	\$ -	\$ -	\$ -
CAT D11 DOZER	0.00	0.00	\$ 551.49	\$ -	0.0	\$ 490.83	\$ -	\$ -	\$ -
CAT 773 ROCK TRUCK	1.00	5.00	\$ 257.87	\$ 1,289.35	0.0	\$ 229.50	\$ -	\$ -	\$ 1,289.35
CAT 350 EXCAVATOR	0.00	0.00	\$ 208.36	\$ -	0.0	\$ 185.44	\$ -	\$ -	\$ -
CAT 824 COMPACTOR	0.00	0.00	\$ 233.21	\$ -	0.0	\$ 207.56	\$ -	\$ -	\$ -
CAT 834 COMPACTOR	0.00	0.00	\$ 351.12	\$ -	0.0	\$ 312.50	\$ -	\$ -	\$ -
4000 GALLON WATER TRUCK	0.00	0.00	\$ 57.51	\$ -	0.0	\$ 51.18	\$ -	\$ -	\$ -
PICK UP TRUCK	0.00	0.00	\$ 21.50	\$ -	0.0	\$ 19.14	\$ -	\$ -	\$ -
TOTAL EQUIPMENT COSTS									\$ 2,309.36

LABOR									
JOB CLASSIFICATION	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	OT RATE	AMOUNT OT	TOTAL AMOUNT	
FOREMAN	0.00	0.0	\$ 110.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
GRADE CHECKER	0.00	0.0	\$ 105.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -	\$ -
OPERATOR - 657	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - 651	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -	\$ -
OPERATOR - 950	1.00	5.0	\$ 91.00	\$ 455.00	0.0	\$ 28.00	\$ -	\$ -	\$ 455.00
OPERATOR - D5	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - D8	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - D9	1.00	1.0	\$ 91.00	\$ 91.00	0.0	\$ 28.00	\$ -	\$ -	\$ 91.00
OPERATOR - D10	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - D10N PUSH DOZER	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -	\$ -
OPERATOR - D11	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - 773	1.00	5.0	\$ 91.00	\$ 455.00	0.0	\$ 28.00	\$ -	\$ -	\$ 455.00
OPERATOR - 350	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - 824	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - 834	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -	\$ -
OPERATOR - WATER TRUCK	0.00	0.0	\$ 73.00	\$ -	0.0	\$ 20.00	\$ -	\$ -	\$ -
TOTAL LABOR COSTS				\$ -			\$ -		\$ 1,001.00

MATERIAL LUMP SUM OR UNIT PRICE PAYMENTS					
DESCRIPTION			QTY	UNIT COST	TOTAL
			0	\$ -	\$ -
TOTAL MATERIAL COSTS					\$ -

SUKUT SUBCONTRACTOR COSTS						
DESCRIPTION	INVOICE NO.	DATE	VENDOR	UNITS	UNIT COST	TOTAL
						\$ -
TOTAL COSTS						\$ -

TOTAL COST SUMMARY, STANDARD MARK-UPS AND SUBCONTRACTOR MARK-UP				
DESCRIPTION	TOTAL COST	% MARK UP	AMOUNT MARK UP	TOTAL
TOTAL COST FOR EQUIPMENT	\$ 2,309.36	15.00%	\$ 346.40	\$ 2,655.76
TOTAL COST FOR LABORERS AND OPERATORS	\$ 1,001.00	0.00%	\$ -	\$ 1,001.00
TOTAL TAX ON MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR SUBCONTRACTOR	\$ -	0.00%	\$ -	\$ -
TOTAL FOR THIS CHANGE ORDER				\$ 3,656.76
BOND COST ADD (1% OF Total)				\$ 36.57
GRAND TOTAL OF THIS CHANGE ORDER REQUEST				\$ 3,693.33

Change Order Request
Industry Business Center East Side Mass Grading

CHANGE ORDER REQUEST NUMBER:	10.0
DATE WORK COMPLETED	3/26/2015

SUKUT COR WORKSHEET NUMBER	11.0
SUKUT JOB NUMBER	1158

DESCRIPTION OF WORK	
Cut 14 Rock Handling	

EQUIPMENT									
MODEL	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	RATE	AMOUNT OT	TOTAL AMOUNT	
CAT 657 SCRAPER	0.00	0.00	\$ 575.70	\$ -	0.0	\$ 512.37	\$ -	\$ -	\$ -
CAT 651 SCRAPER	0.00	0.00	\$ 301.68	\$ -	0.0	\$ 268.50	\$ -	\$ -	\$ -
CAT 950 LOADER	1.00	2.50	\$ 146.42	\$ 366.05	0.5	\$ 130.31	\$ 65.16	\$ 431.21	\$ -
CAT D5 DOZER	0.00	0.00	\$ 79.12	\$ -	0.0	\$ 70.42	\$ -	\$ -	\$ -
CAT D8 DOZER	0.00	0.00	\$ 211.39	\$ -	0.0	\$ 188.14	\$ -	\$ -	\$ -
CAT D9 DOZER	0.00	0.00	\$ 287.91	\$ -	0.0	\$ 256.24	\$ -	\$ -	\$ -
CAT D10 DOZER	0.00	0.00	\$ 435.58	\$ -	0.0	\$ 387.67	\$ -	\$ -	\$ -
CAT D10N PUSH DOZER	0.00	0.00	\$ 353.56	\$ -	0.0	\$ 314.67	\$ -	\$ -	\$ -
CAT D11 DOZER	0.00	0.00	\$ 551.49	\$ -	0.0	\$ 490.83	\$ -	\$ -	\$ -
CAT 824 COMPACTOR	0.00	0.00	\$ 233.21	\$ -	0.0	\$ 207.56	\$ -	\$ -	\$ -
CAT 834 COMPACTOR	0.00	0.00	\$ 351.12	\$ -	0.0	\$ 312.50	\$ -	\$ -	\$ -
4000 GALLON WATER TRUCK	0.00	0.00	\$ 57.51	\$ -	0.0	\$ 51.18	\$ -	\$ -	\$ -
PICK UP TRUCK	0.00	0.00	\$ 21.50	\$ -	0.0	\$ 19.14	\$ -	\$ -	\$ -
TOTAL EQUIPMENT COSTS								\$ 431.21	

LABOR									
JOB CLASSIFICATION	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	OT RATE	AMOUNT OT	TOTAL AMOUNT	
FOREMAN	0.00	0.0	\$ 110.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
GRADE CHECKER	0.00	0.0	\$ 105.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -	\$ -
OPERATOR - 657	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - 651	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -	\$ -
OPERATOR - 950	1.00	3.0	\$ 91.00	\$ 273.00	0.5	\$ 28.00	\$ 14.00	\$ 287.00	\$ -
OPERATOR - D5	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - D8	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - D9	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - D10	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - D10N PUSH DOZER	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -	\$ -
OPERATOR - D11	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - 824	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -	\$ -
OPERATOR - 834	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -	\$ -
OPERATOR - WATER TRUCK	0.00	0.0	\$ 73.00	\$ -	0.0	\$ 20.00	\$ -	\$ -	\$ -
TOTAL LABOR COSTS								\$ 287.00	

MATERIAL LUMP SUM OR UNIT PRICE PAYMENTS					
DESCRIPTION			QTY	UNIT COST	TOTAL
					\$ -
					\$ -
TOTAL MATERIAL COSTS					\$ -

SUKUT SUBCONTRACTOR COSTS						
DESCRIPTION	INVOICE NO.	DATE	VENDOR	UNITS	UNIT COST	TOTAL
						\$ -
TOTAL COSTS						\$ -

TOTAL COST SUMMARY, STANDARD MARK-UPS AND SUBCONTRACTOR MARK-UP				
DESCRIPTION	TOTAL COST	% MARK UP	AMOUNT MARK UP	TOTAL
TOTAL COST FOR EQUIPMENT	\$ 431.21	15.00%	\$ 64.68	\$ 495.89
TOTAL COST FOR LABORERS AND OPERATORS	\$ 287.00	0.00%	\$ -	\$ 287.00
TOTAL TAX ON MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR SUBCONTRACTOR	\$ -	0.00%	\$ -	\$ -
TOTAL FOR THIS CHANGE ORDER				\$ 782.89
BOND COST ADD (1% OF Total)				\$ 7.83
GRAND TOTAL OF THIS CHANGE ORDER REQUEST				\$ 790.72

DAILY RECORD OF EXTRA WORK

Work performed for SUCCESSOR AGENCY
 Description of work DISPUTED WORK IN CUT 14 - ROCK HANDLING

Job No. 1158
 Cost Code 88.0102
 Date 3/10/15
 Report No. 1 of 1

EQUIP. NO. LABOR-TYPE	LABOR OR EQUIPMENT (Note all accessories)	HOURS		RATE		EXTENDED AMOUNTS
		TOTAL	REG	REG		
		O.T.	O.T.	O.T.		
1	D9T DOZER	1.5				
1	D10N DOZER	1				
1	950 LOADER	6				
		2				
		SUB TOTAL				
MATERIALS & OTHER ITEMS		NO. UNITS	UNIT COST			
Comment:		Total this report				
		Total previous report				
		Total to date				
The above record is complete and correct.		Work completed and accepted for payment.				
By <u>[Signature]</u> 4/15/15	FOR CONTRACTOR	By <u>[Signature]</u> 4/15/15	CLIENT OR AUTHORIZED REPRESENTATIVE			

DAILY RECORD OF EXTRA WORK

Work performed for SUCCESSOR AGENCY

Job No. 115B

Description of work DISPUTED WORK IN CUT 14 - ROCK HANDLING

Cost Code 88.0102

Date 3/11/15

Report No. 1 of 1

EQUIP. NO. LABOR-TYPE	LABOR OR EQUIPMENT (Note all accessories)	HOURS		RATE		EXTENDED AMOUNTS
		TOTAL	O.T.	REG	O.T.	
1	D9T DOZER	1.5				
1	D10N DOZER	3				
1	950 LOADER	2				
		8				
		2				
		SUB TOTAL				
MATERIALS & OTHER ITEMS		NO. UNITS		UNIT COST		
Comment:		Total this report				
		Total previous report				
		Total to date				
The above record is complete and correct.		Work completed and accepted for payment.				
By	 4/15/15	By	 4/15/15			
	FOR CONTRACTOR		CLIENT OR AUTHORIZED REPRESENTATIVE			

DAILY RECORD OF EXTRA WORK

Work performed for SUCCESSOR AGENCY

Job No. 1158

Description of work DISPUTED WORK IN CUT 19 ROCK HANDLING

Cost Code 88.0102

Date 3/19/15

Report No. 1 of 1

EQUIP. NO. LABOR-TYPE	LABOR OR EQUIPMENT (Note all accessories)	HOURS		RATE		EXTENDED AMOUNTS
		TOTAL	O.T.	REG	O.T.	
1	GRADE CHECKER W/ PICKUP	8				
		2				
1	950 LOADEL	8				
		0				
1	773 ROCK TRUCK	8				
		0				
1	350 EXCAVATOR W/ BREAKER	9.5				
		1.5				
		SUB TOTAL				
MATERIALS & OTHER ITEMS		NO. UNITS		UNIT COST		
Comment:		Total this report				
		Total previous report				
		Total to date				
The above record is complete and correct.		Work completed and accepted for payment.				
By	<u>[Signature]</u> 4/15/15 FOR CONTRACTOR	By	<u>[Signature]</u> 4/15/15 CLIENT OR AUTHORIZED REPRESENTATIVE			

70767

DAILY RECORD OF EXTRA WORK

Work performed for SUCCESSOR AGENCY
 Description of work DISPUTED WORK W/ CUT #4 - ROCK HANDLING

Job No. 1158
 Cost Code 88.0102
 Date 3/20/15
 Report No. 1 of 1

EQUIP. NO. LABOR-TYPE	LABOR OR EQUIPMENT (Note all accessories)	HOURS		RATE		EXTENDED AMOUNTS
		TOTAL	REG	REG	O.T.	
		O.T.	O.T.			
1	D9T DOZER	1.5				
		0				
1	950 LOADER	0.5				
		0				
1	773 ROCK TRUCK	0.5				
		0				
1	350 EXCAVATOR W/ BREAKER	3				
		0				
		SUB TOTAL				
MATERIALS & OTHER ITEMS		NO. UNITS	UNIT COST			
Comment:		Total this report				
		Total previous report				
		Total to date				
The above record is complete and correct.		Work completed and accepted for payment.				
By	<u><i>Cody Schmitz</i></u> 4/15/15 FOR CONTRACTOR	By	<u><i>Shaw</i></u> 4/15/15 CLIENT OR AUTHORIZED REPRESENTATIVE			



SC COR Number: 9.0
SC Job Number: 1158

Date: 6/5/2015
Owner: Successor Agency to the Industry Urban-Development Agency
C/o CNC Engineering
255 N. Hacienda Blvd. Suite 201
City of Industry, CA 91744
Attn: Gerardo Perez
Project: IBC East - 0380
Subject: COR 9.0 - Dry Material Premium

Mr. Perez,

Please see the following breakdown of change order request number 9.0.

Item:	Description:	Qty:	Unit:	Price:	Total:
1.0	Dry Material Premium	262,742	CY	\$ 0.26	\$ 68,312.92
Total Amount this Request: \$					68,312.92

This change order request includes all added labor and equipment required to moisture condition the dry material encountered in Cut 14. The low moisture content of the material in Cut 14 has required twice the amount support equipment to be utilized to provide water and mixing effort over and above what was anticipated based on information provided at bid time. This change order request represents a premium that is to be applied in addition to the contract unit rate for excavation. Test pit information is also attached indicating that bedrock materials were consistently described as wet or moist. Given that information, it was anticipated that approximately twelve gallons of water per cubic yard of soil would need to be added to achieve the desired compaction. At twelve gallons per yard, two water trucks would be able to keep up with this water demand. Based on actual field conditions, over twenty gallons of water per cubic yard of soil were added to achieve the desired compaction. Due to the higher demand for water, additional water trucks were required to keep pace with the added water demand.

Thank you,

Bryan Nesthus

Sukut Construction

Change Order Request
Industry Business Center East Side Mass Grading

CHANGE ORDER REQUEST NUMBER:	9.0
DATE WORK COMPLETED	

SUKUT COR WORKSHEET NUMBER	1.00
SUKUT JOB NUMBER	1158

DESCRIPTION OF WORK	Normal equipment spread with two water trucks and one rubber tired dozer.	28,000 CY/Day \$1.96/CY
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EQUIPMENT								
MODEL	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	RATE	AMOUNT OT	TOTAL AMOUNT
CAT 657 SCRAPER	0.00	0.00	\$ 581.93	\$ -	0.0	\$ 517.92	\$ -	\$ -
CAT 651 SCRAPER	7.00	10.00	\$ 305.39	\$ 17,101.84	2.0	\$ 271.80	\$ 3,805.16	\$ 20,907.00
CAT 637 SCRAPER	0.00	0.00	\$ 403.88	\$ -	0.0	\$ 359.45	\$ -	\$ -
CAT D5 DOZER	0.00	0.00	\$ 79.96	\$ -	0.0	\$ 71.16	\$ -	\$ -
CAT D8 DOZER	0.00	0.00	\$ 213.47	\$ -	0.0	\$ 189.99	\$ -	\$ -
CAT D9 DOZER	1.00	10.00	\$ 291.14	\$ 2,329.12	2.0	\$ 259.11	\$ 518.23	\$ 2,847.35
CAT D10 DOZER	0.00	0.00	\$ 440.64	\$ -	0.0	\$ 392.17	\$ -	\$ -
CAT D10N PUSH DOZER	2.00	10.00	\$ 357.09	\$ 5,713.44	2.0	\$ 317.81	\$ 1,271.24	\$ 6,984.68
CAT D11 DOZER	0.00	0.00	\$ 556.51	\$ -	0.0	\$ 495.29	\$ -	\$ -
CAT 824 COMPACTOR	0.00	0.00	\$ 235.80	\$ -	0.0	\$ 209.86	\$ -	\$ -
CAT 834 COMPACTOR	1.00	10.00	\$ 354.85	\$ 2,838.80	2.0	\$ 315.82	\$ 631.63	\$ 3,470.43
4000 GALLON WATER TRUCK	2.00	10.00	\$ 57.54	\$ 920.64	2.0	\$ 51.21	\$ 204.84	\$ 1,125.48
PICK UP TRUCK	1.00	10.00	\$ 21.78	\$ 174.24	2.0	\$ 19.38	\$ 38.77	\$ 213.01
TOTAL EQUIPMENT COSTS								\$ 35,547.95

LABOR								
JOB CLASSIFICATION	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	OT RATE	AMOUNT OT	TOTAL AMOUNT
FOREMAN	1.00	10.0	\$ 110.00	\$ 1,100.00	2.0	\$ 28.00	\$ 56.00	\$ 1,156.00
GRADE CHECKER	0.00	0.0	\$ 105.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -
OPERATOR - 657	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 651	7.00	10.0	\$ 91.00	\$ 6,370.00	2.0	\$ 29.00	\$ 406.00	\$ 6,776.00
OPERATOR - 637	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D5	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D8	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D9	1.00	10.0	\$ 91.00	\$ 910.00	2.0	\$ 28.00	\$ 56.00	\$ 966.00
OPERATOR - D10	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D10N PUSH DOZER	2.00	10.0	\$ 91.00	\$ 1,820.00	2.0	\$ 29.00	\$ 116.00	\$ 1,936.00
OPERATOR - D11	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 824	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 834	1.00	10.0	\$ 91.00	\$ 910.00	2.0	\$ 29.00	\$ 58.00	\$ 968.00
OPERATOR - WATER TRUCK	2.00	10.0	\$ 73.00	\$ 1,460.00	2.0	\$ 20.00	\$ 80.00	\$ 1,540.00
TOTAL LABOR COSTS				\$ -			\$ -	\$ 13,342.00

MATERIAL LUMP SUM OR UNIT PRICE PAYMENTS				
DESCRIPTION		QTY	UNIT COST	TOTAL
				\$ -
TOTAL MATERIAL COSTS				\$ -

SUKUT SUBCONTRACTOR COSTS				
DESCRIPTION	INVOICE NO.	DATE	VENDOR	TOTAL
				\$ -
TOTAL COSTS				\$ -

TOTAL COST SUMMARY, STANDARD MARK-UPS AND SUBCONTRACTOR MARK-UP				
DESCRIPTION	TOTAL COST	% MARK UP	AMOUNT MARK UP	TOTAL
TOTAL COST FOR EQUIPMENT	\$ 35,547.95	15.00%	\$ 5,332.19	\$ 40,880.15
TOTAL COST FOR LABORERS AND OPERATORS	\$ 13,342.00	0.00%	\$ -	\$ 13,342.00
TOTAL TAX ON MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR SUBCONTRACTOR	\$ -	0.00%	\$ -	\$ -
TOTAL FOR THIS CHANGE ORDER				\$ 54,222.15
BOND COST ADD (1% OF Total)				\$ 542.22
GRAND TOTAL OF THIS CHANGE ORDER REQUEST				\$ 54,764.37

Change Order Request
Industry Business Center East Side Mass Grading

CHANGE ORDER REQUEST NUMBER:	9.0
DATE WORK COMPLETED	

SUKUT COR WORKSHEET NUMBER	2.00
SUKUT JOB NUMBER	1158

DESCRIPTION OF WORK	Equipment spread required to maintain production including four water trucks and two rubber tired compactors.	28,000 CY/Day \$2.22/CY
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EQUIPMENT								
MODEL	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	RATE	AMOUNT OT	TOTAL AMOUNT
CAT 657 SCRAPER	0.00	0.00	\$ 581.93	\$ -	0.0	\$ 517.92	\$ -	\$ -
CAT 651 SCRAPER	7.00	10.00	\$ 305.39	\$ 17,101.84	2.0	\$ 271.80	\$ 3,805.16	\$ 20,907.00
CAT 637 SCRAPER	0.00	0.00	\$ 403.88	\$ -	0.0	\$ 359.45	\$ -	\$ -
CAT D5 DOZER	0.00	0.00	\$ 79.96	\$ -	0.0	\$ 71.16	\$ -	\$ -
CAT D8 DOZER	0.00	0.00	\$ 213.47	\$ -	0.0	\$ 189.99	\$ -	\$ -
CAT D9 DOZER	1.00	10.00	\$ 291.14	\$ 2,329.12	2.0	\$ 259.11	\$ 518.23	\$ 2,847.35
CAT D10 DOZER	0.00	0.00	\$ 440.64	\$ -	0.0	\$ 392.17	\$ -	\$ -
CAT D10N PUSH DOZER	2.00	10.00	\$ 357.09	\$ 5,713.44	2.0	\$ 317.81	\$ 1,271.24	\$ 6,984.68
CAT D11 DOZER	0.00	0.00	\$ 556.51	\$ -	0.0	\$ 495.29	\$ -	\$ -
CAT 824 COMPACTOR	0.00	0.00	\$ 235.80	\$ -	0.0	\$ 209.86	\$ -	\$ -
CAT 834 COMPACTOR	2.00	10.00	\$ 354.85	\$ 5,677.60	2.0	\$ 315.82	\$ 1,263.27	\$ 6,940.87
4000 GALLON WATER TRUCK	4.00	10.00	\$ 57.54	\$ 1,841.28	2.0	\$ 51.21	\$ 409.68	\$ 2,250.96
PICK UP TRUCK	1.00	10.00	\$ 21.78	\$ 174.24	2.0	\$ 19.38	\$ 38.77	\$ 213.01
TOTAL EQUIPMENT COSTS								\$ 40,143.87

LABOR								
JOB CLASSIFICATION	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	OT RATE	AMOUNT OT	TOTAL AMOUNT
FOREMAN	1.00	10.0	\$ 110.00	\$ 1,100.00	2.0	\$ 28.00	\$ 56.00	\$ 1,156.00
GRADE CHECKER	0.00	0.0	\$ 105.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -
OPERATOR - 657	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 651	7.00	10.0	\$ 91.00	\$ 6,370.00	2.0	\$ 29.00	\$ 58.00	\$ 6,428.00
OPERATOR - 637	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D5	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D8	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D9	1.00	10.0	\$ 91.00	\$ 910.00	2.0	\$ 28.00	\$ 56.00	\$ 966.00
OPERATOR - D10	0.00	2.0	\$ 91.00	\$ -	2.0	\$ 28.00	\$ 56.00	\$ 56.00
OPERATOR - D10N PUSH DOZER	2.00	10.0	\$ 91.00	\$ 1,820.00	2.0	\$ 29.00	\$ 58.00	\$ 1,878.00
OPERATOR - D11	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 824	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 834	2.00	10.0	\$ 91.00	\$ 1,820.00	2.0	\$ 29.00	\$ 58.00	\$ 1,878.00
OPERATOR - WATER TRUCK	4.00	10.0	\$ 73.00	\$ 2,920.00	2.0	\$ 20.00	\$ 40.00	\$ 2,960.00
				\$ -			\$ -	\$ -
TOTAL LABOR COSTS								\$ 15,322.00

MATERIAL LUMP SUM OR UNIT PRICE PAYMENTS					
DESCRIPTION			QTY	UNIT COST	TOTAL
					\$ -
TOTAL MATERIAL COSTS					\$ -

SUKUT SUBCONTRACTOR COSTS						
DESCRIPTION	INVOICE NO.	DATE	VENDOR	UNITS	UNIT COST	TOTAL
						\$ -
TOTAL COSTS						\$ -

TOTAL COST SUMMARY, STANDARD MARK-UPS AND SUBCONTRACTOR MARK-UP				
DESCRIPTION	TOTAL COST	% MARK UP	AMOUNT MARK UP	TOTAL
TOTAL COST FOR EQUIPMENT	\$ 40,143.87	15.00%	\$ 6,021.58	\$ 46,165.45
TOTAL COST FOR LABORERS AND OPERATORS	\$ 15,322.00	0.00%	\$ -	\$ 15,322.00
TOTAL TAX ON MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR SUBCONTRACTOR	\$ -	0.00%	\$ -	\$ -
TOTAL FOR THIS CHANGE ORDER				\$ 61,487.45
BOND COST ADD (1% OF Total)				\$ 614.87
GRAND TOTAL OF THIS CHANGE ORDER REQUEST				\$ 62,102.32

Test Pit TP-67

Date Excavated: January 4, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results				
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)	
0.0	4.0	ML/CL	Clayey SILT / Silty CLAY with scattered medium-to coarse-grained SAND; medium-dark brown, moist	Qal / Col					
4.0	5.0		Clayey SILTSTONE; orangish brown, moist, very weathered		TP				
5.0	6.0		SILTSTONE; gray and orangish brown, moist, well bedded, firm; Bedding attitude: N85°E, 12°N						
Total Depth: 6.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend: N10°E					

Test Pit TP-68

Date Excavated: January 4, 2006

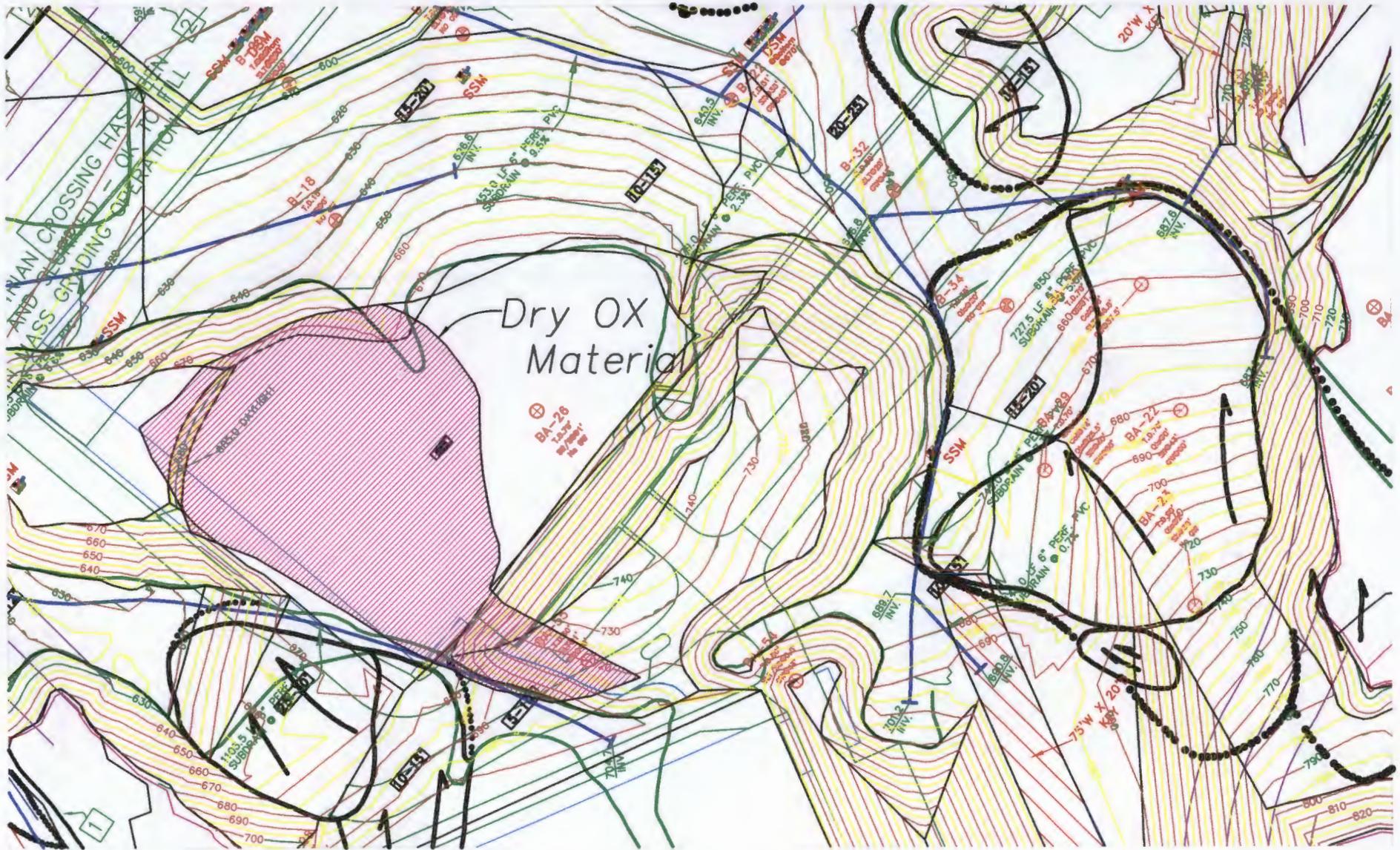
Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	2.5	CL	Silty Sandy CLAY; medium-dark brown, moist	Qal / Col				
2.5	5.0		mixed COLLUVIUM with siltstone fragments					
5.0	6.0		SILTSTONE; well-bedded, appears firm at this location but could be an intact part of larger slide.	Qla				
Total Depth: 6.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend: N3°E				





Volumes by Triangulation (Prisms)

Wed Apr 15 07:19:09 2015

Existing Surface: C:\Projects\0-111158-Industry Business Center\Working\TINS\OG-Simple.tin

Final Surface: C:\Projects\0-111158-Industry Business Center\Working\TINS\OX1.tin

Cut volume: 262,741.85 C.Y.

Dry OX Material
Topo Date : 3/24/2015

Test Pit TP-69

Date Excavated: January 4, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	4.0	MH	Clayey SILT with SAND; medium-dark brown, moist, massive	Qal / Col				
4.0	5.0		Clayey SILTSTONE; well bedded to laminated		Tp			

Total Depth: 5.0 feet
 No ground water encountered.
 Test pit backfilled, tamped with bucket, wheel-rolled at surface.

Test Pit TP-70

Date Excavated: January 4, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	5.0	ML	Clayey sandy SILT; medium-dark brown, moist; few cobbles	Qal / Col	B-1	1-2		
5.0	8.0		SILTSTONE; orangish brown, moist; possible slide debris				Tp (Qls?)	

Total Depth: 8.0 feet
 No ground water encountered.
 Test pit backfilled, tamped with bucket, wheel-rolled at surface.

Test Pit TP-97

Date Excavated: January 5, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	9.5	SM	Silty SAND with siltstone fragments, orangish brown to dark-olive brown, moist; varies in composition to Clayey SILT with siltstone fragments	Au				
9.5	11.0	ML	Sandy SILT with Gravel to cobble size siltstone fragments, moist; probably well-bedded siltstone, in sharp contact with fill above	Tp				
Total Depth: 11.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.					Trend: N5°W			

Test Pit TP-98

Date Excavated: January 5, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	12.0	ML	Sandy SILT with gravel size siltstone fragments; moderate yellowish brown, moist, appears broken and jumbled	Au				
12.0	14.0		SILTSTONE; weathered to Sandy SILT with large fragments of siltstone	Tp				
Total Depth: 14.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.								

Test Pit TP-103

Date Excavated: January 5, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	6.0	ML	slightly Clayey Sandy SILT; dark brown, moist	Qa/Col				
6.0	8.0	ML	Gravelly Sandy SILT (siltstone fragments); yellowish brown, moist; very weathered SILTSTONE	Tp				
8.0	10.0		SILTSTONE; orangish brown					
Total Depth: 10.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend: N50°E				

Test Pit TP-104

Date Excavated: January 5, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	5.0	ML/MH	Clayey SILT with fine-to coarse-grained SAND; medium-dark brown, moist	Qa/Col				
5.0	8.0	SM/ML	Silty fine SAND; orangish brown, moist; mixed with Clayey SILT; orangish brown. Very weathered siltstone or landslide debris	Qls?				
8.0	9.0		SILTSTONE; gray and to orangish brown	Tp				
Total Depth: 9.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend: N15°E				



Test Pit TP-105

Date Excavated: January 5, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	9.0	CL/ML	Silty CLAY / Clayey SILT with SAND; dark brown, moist, massive	Qa/Col	B-1	5-6		
9.0	13.5	CL	Silty CLAY; dark-olive brown, moist					
13.5	14.0		Clayey Sandy SILT with siltstone fragments; yellowish brown. Probably highly weathered bedrock.	Tp				
Total Depth: 14.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend: N60° E				

Test Pit TP-106

Date Excavated: January 5, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	5.5	CL	Silty CLAY; dark brown; damp to moist	Qa/Col				
5.5	7.5		Sandy Clayey SILT with siltstone fragments; yellowish brown, moist. Very weathered bedrock.					
				Tp				
Total Depth: 7.5 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend: N65° E				



Test Pit TP-107

Date Excavated: January 5, 2006

Logged By: KS

Location: City of Industry, East of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	4.0	ML/CI	Sandy Clayey SILT/ Silty CLAY; dark brown, moist, massive	Qa/Co				
4.0	7.0	CL	Silty CLAY; medium-dark brown, moist					
7.0	10.0	ML	Clayey SILT; olive-brown, moist					
10.0	11.0		SILT with siltstone chips; highly weathered bedrock; light yellowish brown, moist	Tp				
Total Depth: 11.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.								

Test Pit TP-108

Date Excavated: January 5, 2006

Logged By: KS

Location: City of Industry, East of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	4.0	ML	very fine Sandy SILT with trace CLAY; olive-brown, moist	Qa/Co				
4.0	7.0	ML/MH	Clayey very fine Sandy SILT; olive-brown, moist					
7.0	9.0	ML/CL	Silty CLAY / Clayey SILT; pale brown, moist. Very weathered bedrock or debris flow	Tp/Cl				
9.0	10.0		SILTSTONE; orangish brown		Tp			
Total Depth: 10.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.								
Trend: N32°E								



Test Pit TP-119

Date Excavated: January 6, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	2.5	CL	Sandy Silty CLAY with trace fine gravel size siltstone fragments; fine-to coarse-grained, dark brown, damp	Qal / Cal				
2.5	4.0	ML/CL	Clayey SILT/ Silty CLAY; grayish brown, damp to moist, abundant carbonate stringers					
4.0	6.0	GM	Gravelly Sandy SILT; medium brown, moist	Qls? / Tp?				
6.0	8.0	GM	Sandy, slightly Clayey Gravelly SILT; orangish brown, moist. Weathered LS debris or bedrock					
Total Depth: 8.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend: N62°W				

Test Pit TP-120

Date Excavated: January 6, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	0.5	ML	Sandy SILT; fine-grained, medium brown, moist	Top Soil				
0.5	3.5		SILTSTONE; light gray, well-bedded, very fractured. Does not appear jumbled; bedding is continuous	Tp				
Total Depth: 3.5 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.								



Test Pit TP-123

Date Excavated: January 6, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	3.0	CL	Silty CLAY; olive-brown, moist, carbonate lining root hair pores	Qal/Col				
3.0	8.0	ML	Clayey fine Sandy SILT; medium-dark brown, moist					
8.0	10.0		SILTSTONE with interbedded SANDSTONE; thinly bedded, yellowish brown	Tp				
Total Depth: 10.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend: N75°W				

Test Pit TP-124

Date Excavated: January 6, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	3.0	CL	Silty CLAY with SAND; fine-to medium-grained, dark brown, damp to moist	Qal/Col				
3.0	6.0	CL	Silty CLAY / Clayey SILT; medium-dark olive-brown, moist, minor carbonate lining root-hair pores					
6.0	11.0	ML	slightly Clayey Sandy SILT; fine-to medium-grained, olive-brown, moist					
11.0	13.5	CL	Sandy Silty CLAY; light brown and light yellowish brown, moist, few siltstone fragments. Very weathered bedrock.	Tp				
13.5	14.0		SILTSTONE					
Total Depth: 14.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend: N75°W				

Test Pit TP-135

Date Excavated: January 6, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	5.0	MH	Clayey SILT; dark brown, moist	Qal/Col				
5.0	6.0		SILTSTONE; gray and yellowish brown, moist, very weathered	TP				
Total Depth: 6.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.					Trend: N45°W			

Test Pit TP-136

Date Excavated: January 6, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	5.0	ML/MH	Sandy SILY with CLAY; fine-grained, medium brown, moist	Qal/Col				
5.0	6.0		SILTSTONE; well-bedded, gray	TP				
Total Depth: 6.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.					Trend: N50°W			



Test Pit TP-137

Date Excavated: January 6, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	3.0	ML/MH	Sandy SILT with CLAY; medium brown, moist	Qal/Col				
3.0	4.5	GM	Gravelly Sandy SILT; medium brown, damp with siltstone fragments					
4.5	6.0		SILTSTONE; gray and grayish brown, moist, firm, well-bedded (bedding attitude: N4°W; 5°W)	Tp				
Total Depth: 6.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend: N75°E				

Test Pit TP-138

Date Excavated: January 6, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	4.0	CL	Sandy Silty CLAY; fine-to coarse-grained, dark brown, moist	Qal/Col				
4.0	7.0	CL	Sandy Silty CLAY; fine-to coarse-grained, olive-brown, moist					
7.0	10.0	CL	Silty CLAY with trace SAND; olive-brown, moist					
10.0	12.0		Clayey SILT with siltstone fragments, yellowish brown, moist (very weathered SILTSTONE)	Tp				
Total Depth: 12.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend: N75°E				



Test Pit TP-141

Date Excavated: January 6, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	6.0	ML	Sandy SILT with CLAY; dark grayish brown, damp to moist	Qal / Col				
6.0	8.0	ML	Clayey Sandy SILT; fine-grained, medium-dark brown, moist					
8.0	14.5	CL	Sandy Silty CLAY; medium olive-brown, moist; grades downward to Silty CLAY/ Clayey SILT					
14.5	15.0		Clayey Sandy Gravelly SILT (siltstone fragments) light yellowish brown, moist (weathered SILTSTONE)	Tp				
Total Depth: 14.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend: N65°E				

Test Pit TP-142

Date Excavated: January 6, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	1.0	ML/CL	Sandy Silty CLAY / clayey SILT; fine-to medium-grained, dark brown, moist	Qal / Col	B-1	2-3		
1.0	13.0	ML/CL	Silty CLAY / Clayey SILT; grayish brown, damp to moist					
13.0	13.5		Clayey SILT with siltstone fragments; gray to yellowish brown, moist (very weathered bedrock)	Tp				
Total Depth: 13.5 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend: E-W				



Test Pit TP-177

Date Excavated: January 10, 2006

Logged By: KS

Location: IUDA Industry Business Center, west of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	5.0	SM	Silty fine SAND with trace CLAY; medium-dark brown, moist	Ool / Col				
5.0	7.0	CL/SM	Silty CLAY / Clayey Silty SAND; very fine-to fine-grained					
7.0	8.0		Silty SAND with trace CLAY; fine-to medium-grained, orangish brown, moist (weathered SANDSTONE)	Tp				

Total Depth: 8.0 feet
 No ground water encountered.
 Test pit backfilled, tamped with bucket, wheel-rolled at surface.

Trend: N70°E

Test Pit TP-178

Date Excavated: January 10, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	1.5	ML	Sandy SILT; very fine-grained, medium grayish brown, moist	Ool / Col				
1.5	3.0		SANDSTONE; orangish brown, fine-to medium-grained, cemented		Tp			

Total Depth: 3.0 feet
 No ground water encountered.
 Test pit backfilled, tamped with bucket, wheel-rolled at surface.

Trend: N10°W

Test Pit TP-179

Date Excavated: January 10, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	2.5	CL	Silty CLAY with trace fine SAND; dark brown, damp to moist	Qal / Col				
2.5	5.5	SC	Clayey fine SAND; orangish brown and dark brown, mottled					
5.5	5.5		SANDSTONE; hard	Tp				
Total Depth: 5.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend: N7°E				

Test Pit TP-180

Date Excavated: January 10, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	3.0	CL	fine to medium Sandy Silty CLAY; medium-dark brown, damp to moist	Qal / Col				
3.0	4.0	SM	Silty fine SAND with trace CLAY; light brown, moist					
4.0	12.0	ML/MH	fine-grained Sandy Clayey SILT; medium-dark brown, moist					
12.0	13.0	SM/ML	Silty fine SAND / Sandy SILT; medium-dark brown, moist					
13.0	13.5	SM	Silty fine-grained SAND; light to medium brown, moist					
13.5	14.0		SANDSTONE; pale brown, fine-to medium-grained, moist	Tp				
Total Depth: 14.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend: N27°E				



Test Pit TP-181

Date Excavated: January 11, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	5.0	ML	Gravelly Sandy SILT; light brown, damp	Afu				
5.0	13.0	ML/CL	Clayey Sandy SILT / Silty Sandy CLAY; medium grayish brown, moist, faint organic odor- no trash; contains large boulders from 10 feet to 13 feet in dark gray fill					
Total Depth: 13.0 feet; No Bedrock or Native Soil No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.								
				Tend: E-W				

Test Pit TP-182

Date Excavated: January 11, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	1.0	ML	Gravelly Sandy SILT; light orangish brown, damp, loose	Afu				
1.0	12.0	ML	Clayey Gravelly Sandy SILT (generally); medium-grained, medium brown, moist, locally with grass; very tight to 5 feet, gravel consists of angular siltstone and sandstone fragments					
12.0	13.0	CL	Silty CLAY; pale brown, moist, plastic (possibly very weathered bedrock)	Tp				
13.0	14.0	ML/CL	Clayey SILT / Silty CLAY with SILTSTONE fragments, light olive-gray with pods of soft, moist, very plastic white Silty CLAY.					
14.0	14.0		SILTSTONE; gray, wet					
Total Depth: 14.0 feet Ground water @ 14.0 feet Test pit backfilled, tamped with bucket, wheel-rolled at surface.								
				Trend: E-W				

Test Pit TP-189

Date Excavated: January 11, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	10.0	CL	Silty CLAY; dark brown, moist, massive	Qal / Col				
10.0	11.0	ML/CL	Silty CLAY / Clayey SILT; medium-olive brown, moist					
11.0	12.0		Silty CLAY with siltstone fragments, light gray and orangish brown, wet (very weathered SILTSTONE)	Tp				
Total Depth: 12.0 feet Ground water @ 11.0 feet Test pit backfilled, tamped with bucket, wheel-rolled at surface.					Trend: E-W			

Test Pit TP-190

Date Excavated: January 11, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	6.0	CL	Silty CLAY; dark brown, moist	Qal / Col				
6.0	7.0		SILTSTONE with interbedded SANDSTONE; light orangish brown and gray	Tp				
Total Depth: 7.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.					Trend: E-W			

Test Pit TP-197

Date Excavated: January 11, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results				
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)	
0.0	4.5	ML/CL	Silty CLAY / Clayey SILT; dark brown, moist	Qal / Col					
4.5	5.5		Clayey SILTSTONE; yellowish brown, moist, weathered		Tp				
Total Depth: 5.5 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend: N60°E					

Test Pit TP-198

Date Excavated: January 11, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results				
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)	
0.0	4.5	CL	Silty CLAY; dark brown, moist, massive	Qal / Col					
4.5	5.5		SILTSTONE		Tp				
Total Depth: 5.5 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend: N70°E					

Test Pit TP-201

Date Excavated: January 11, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results				
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)	
0.0	7.0	CL	Silty CLAY; dark brown, moist	Cl					
7.0	7.5		weathered Clayey SILTSTONE; yellow-brown, moist		Tp				
Total Depth: 7.5 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend E-W					

Test Pit TP-202

Date Excavated: January 11, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results				
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)	
0.0	6.0	CL	Silty CLAY with fine to medium sand; dark brown, damp to moist	Cl					
6.0	8.0		weathered Clayey SILTSTONE; yellow-brown, moist		Tp				
Total Depth: 8.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend N35°W					



Test Pit TP-203

Date Excavated: January 11, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results				
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)	
0.0	4.5	CL/ML	Silty CLAY/ Clayey SILT with few siltstone fragments; dark brown, moist	Col					
4.5	5.5		weathered SILTSTONE; light gray and yellow brown, highly fractured, firm on bottom		Tp				
Total Depth: 5.5 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.									

Test Pit TP-204

Date Excavated: January 11, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results				
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)	
0.0	6.0	CL	Silty CLAY with fine sand; dark brown, damp to moist	Col					
6.0	7.0		Silty CLAY with siltstone fragments; light-yellow brown, moist, (very weathered siltstone)		Tp				
Total Depth: 7.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.									



Test Pit TP-205

Date Excavated: January 12, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	5.5	ML	Clayey Sandy SILT with siltstone fragments; medium brown, damp	Ab				
5.5	6.5	ML	Clayey SILT, dark brown, moist	Col				
6.5	8.0		Clayey SILT with siltstone fragments; very pale brown, moist	TP				
Total Depth: 8.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.					Trend: N85°W			

Test Pit TP-206

Date Excavated: January 12, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	8.0	ML/CL	Clayey SILT/ Silty CLAY with fine to medium sand; dark brown, damp to moist	Col				
8.0	10.5	ML	Clayey SILT with trace fine to medium sand; medium to dark brown, moist					
10.5	11.0		Silty CLAY with siltstone fragments; very pale brown, wet (very weathered bedrock)	TP				
Total Depth: 11.0 feet Ground water encountered @ 10.5 feet. Test pit backfilled, tamped with bucket, wheel-rolled at surface.					Trend: N70°E			



Test Pit TP-207

Date Excavated: January 12, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	3.0	ML	Clayey SILT with trace fine to medium sand; dark brown, moist	Col				
3.0	4.0		SILTSTONE; pale brown, moist, well-bedded		Tp			

Total Depth: 4.0 feet
 No ground water encountered.
 Test pit backfilled, tamped with bucket, wheel-rolled at surface.

Test Pit TP-208

Date Excavated: January 12, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	5.0	CL/ML	Sandy Silty CLAY/ Clayey SILT; fine-to coarse-grained, locally gravelly with few cobbles, dark brown, moist; gravel consists of angular siltstone fragments	Col				

Total Depth: 5.0 feet; No bedrock
 No ground water encountered.
 Test pit backfilled, tamped with bucket, wheel-rolled at surface.

Trend: N-S

Test Pit TP-217

Date Excavated: January 12, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	1.5	SM	Silty fine SAND; dark brown, moist	C _u				
1.5	5.0	SM	Silty fine SAND; light to medium brown, damp					
5.0	8.0	CL	Silty CLAY with fine to coarse sand; medium-dark olive-brown, moist	S ₁				
8.0	13.0		Silty CLAY / Clayey SILT with trace fine to medium sand, dark gray-brown with very dark yellow mottling, moist					
13.0	14.0	CL	Silty CLAY; brown-gray with light gray and orange mottling, very moist					

Total Depth: 14.0 feet; No bedrock
 No ground water encountered. Trend: N55°W
 Test pit backfilled, tamped with bucket, wheel-rolled at surface.

Test Pit TP-218

Date Excavated: January 12, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	5.0	ML	Clayey SILT with trace fine to medium sand; dark brown, moist	C _{ol}				
5.0	7.0		Clayey fine to medium Sandy SILT; medium yellow brown, moist					
7.0	8.5		weathered Clayey SILTSTONE/SANDSTONE, yellow brown, moist	Tp				

Total Depth: 8.5 feet
 No ground water encountered. Trend: N70°W
 Test pit backfilled, tamped with bucket, wheel-rolled at surface.



Test Pit TP-219

Date Excavated: January 12, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	4.0	CL	Silty CLAY with trace fine to medium SAND, dark brown, moist	Col				
4.0	6.0	CL	Silty CLAY with few angular siltstone fragments; olive-brown, moist					
6.0	8.0	CL	Silty CLAY; medium-dark yellow brown, nearly completely infused with white carbonate stringers					
8.0	9.0	CL	Silty CLAY; medium-yellow brown to orange brown, moist (very weathered bedrock).	TP				
Total Depth: 9.0 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend: N47°W				

Test Pit TP-220

Date Excavated: January 12, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	6.0	CL	Silty CLAY with trace fine to medium sand; very dark brown, moist	Col				
6.0	8.0	ML	Clayey SILT; very dark brown, moist, heavily infused with white carbonate stringers					
8.0	13.0	ML	Clayey SILT: dark olive brown with dark orange-brown mottling					
Total Depth: 13.0 feet; No bedrock No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend: N10°E				



Test Pit TP-225

Date Excavated: January 12, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	4.0	ML/SM	Sandy SILT / silty fine SAND; brown, dry to damp	Col				
4.0	5.0	CL	Sandy Silty CLAY; fine-to medium-grained, dark brown, moist					
5.0	6.5	SP	fine SAND; medium-dark brown, orange mottling, semi indurated, very weathered sandstone or older alluvium?	Qoa?				

Total Depth: 6.5 feet; No bedrock
 No ground water encountered.
 Test pit backfilled, tamped with bucket, wheel-rolled at surface.

Test Pit TP-226

Date Excavated: January 12, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	3.0	SM	Silty very fine to fine SAND; medium brown, damp to slightly moist	Q ₃				
3.0	7.0	ML	very fine Sandy SILT; medium brown, slightly moist					
7.0	11.0	ML	very fine Sandy SILT with trace clay; medium brown, moist					
11.0	11.5	SM	Silty fine to medium SAND with few siltstone fragments, light to medium yellowish brown to gray brown, very moist, weathered sandstone/siltstone	P ₁				

Total Depth: 11.5 feet
 No ground water encountered. Trend: 40°W
 Test pit backfilled, tamped with bucket, wheel-rolled at surface.

Test Pit TP-233

Date Excavated: January 13, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	2.5	ML	Clayey Sandy SILT; dark brown, moist	Top Soil				
2.5	4.0		well bedded Siltstone; gray to gray-brown, firm, tight, B: EW, 14°N	TP				
Total Depth: 4.0 feet					Trend: N20°W			
No ground water encountered.								
Test pit backfilled, tamped with bucket, wheel-rolled at surface.								

Test Pit TP-234

Date Excavated: January 13, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	4.0	ML	slightly Clayey fine to medium Sandy SILT; medium-dark brown, damp	Col				
4.0	8.0	SM	Silty very fine to fine SAND with trace medium Sand; medium brown, moist					
8.0	9.0	ML	Clayey SILT with siltstone fragments; orange brown, moist, very weathered bedrock	TP				
9.0	9.0		SILTSTONE					
Total Depth: 9.0 feet					Trend: N32°E			
No ground water encountered.								
Test pit backfilled, tamped with bucket, wheel-rolled at surface.								

Test Pit TP-239

Date Excavated: January 13, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	3.5	CL	Silty CLAY with trace fine sand; dark brown, damp to moist with depth, sharp lower contact	Col				
3.5	5.0	ML	fine Sandy SILT; medium-dark brown, damp					
5.0	7.0	SM	Silty fine SAND with trace Clay and medium to coarse Sand, dark brown, moist					
7.0	9.5	SC	Clayey fine SAND; medium-dark gray-brown and orange brown mottled	Qoa?				
9.5	10.0	SC	Clayey fine to coarse SAND with gravel and rounded cobbles (igneous rocks); orange-brown and gray brown mottled, moist, very hard digging					
Total Depth: 10.0 feet; No bedrock No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend N80°W				

Test Pit TP-240

Date Excavated: January 13, 2006

Logged By: KS

Location: IUDA Industry Business Center, east of Grand Ave

Sampled By: KS

Depth (feet)		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top	Bottom				Sample Number	Depth (feet)	Density, Dry (pcf)	Moisture (%)
0.0	2.0	ML	Sandy gravelly SILT; light yellow brown, loose, damp, gravel consists of siltstone fragments	Afu				
2.0	4.0	SM	Silty fine SAND; medium-dark brown, damp, massive	Col				
4.0	8.0	ML	Clayey SILT with fine to medium Sand; dark brown, moist					
8.0	12.0	CL	Silty CLAY with trace Sand; medium-dark gray-brown with faint orange brown mottling	Qoa?				
12.0	14.0	SC	Clayey fine to coarse SAND; rounded grains, orange-brown and gray-brown mottled, moist, few cobbles of red volcanic rock					
14.0	14.5		fine to coarse SANDSTONE; yellow brown, moist, interbedded with fine to medium sandstone, yellow-brown	Tr				
Total Depth: 14.5 feet No ground water encountered. Test pit backfilled, tamped with bucket, wheel-rolled at surface.				Trend: N80°W				





Leighton Consulting, Inc.
A LEIGHTON GROUP COMPANY

June 2, 2015

Project No. 10291.005

To: Successor Agency to the Industry Urban-Development Agency
c/o CNC Engineering
255 North Hacienda Boulevard, Suite 222
City of Industry, California 91744

Attention: Mr. Gerry Perez

Subject: Field Observations of Moisture Content and Oversize Material During
Grading of Cut-14 and Fill Areas, Industry Business Center East Side (IBC-
0380), City of Industry, California

In accordance with your authorization, Leighton Consulting, Inc. is providing geotechnical observation and testing services during grading of the Industry Business Center East Side project (IBC-0380). This letter summarizes field observations made during rough grading in Cut-14 and surrounding fill areas in the Industry Business Center East Side site. The observations included span the period from February 24 through March 30, 2015.

These observations were made in light of the issues presented by Sukut Construction, Inc., relating to the moisture content of the excavated materials and the oversized materials encountered in Cut-14. Along with our observations described below, we have attached copies of daily reports addressing grading of Cut-14 and copies of the moisture content tests taken in the cut. Also attached are photographs taken during the period of March 5 to March 16 showing the area with oversize rock.

Cut-14 Field Observations Regarding Moisture Content

According to observations of the fill areas by our field technicians, excavation in Cut-14 began on February 24, 2015. On February 25, moisture content tests of the fill generated from Cut-14 were lower than the recommended 3 percent over optimum moisture content. The fill was reworked, moisture added and recompactd on February 25 and 26. In order to aid moisture conditioning, the contractor added an additional water truck full-time to the fill area adjacent to Cut-14 on February 26.

The project was shut down due to rain on Thursday, March 2. On Friday, March 3 grading operations continued as before. On Monday March 6, additional support was provided by an 834 dozer to aid in mixing and compacting fill materials.

Data from Boring BA-26 (Leighton, 2008) excavated in Cut-14 encountered Puente Formation bedrock consisting of massive sandstone with sequences of interbedded siltstone. The boring exposed roughly 1/3 siltstone and 2/3 sandstone (see Boring BA-26, attached). Our observations of the cut on March 11 also showed roughly 30 percent siltstone and 70 percent sandstone.

During the period between March 11 and March 17, we conducted moisture content testing in the cut. Test results show the siltstone areas had moisture contents in the range of 25 to 32 percent (slightly below to slightly above optimum moisture content). The sandstone areas were drier, with moisture contents in the range of 9 or 10 percent (about 7 or 8 percent below optimum moisture content).

Copies of daily reports addressing grading during this period are attached, as are copies of the moisture content tests taken in the cut.

Cut-14 Field Observations of Oversize Material

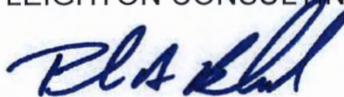
Our field records indicate that oversize material was generated from Cut-14 beginning Friday, March 3. The majority of the oversized material was generated from sandstone in the northwest portion of the cut (roughly 15 to 20 percent of the total cut area). Rocks exposed ranged from approximately 1 foot to over 10 feet in diameter. Several areas of cemented sandstone had to be worked, ripped and broken with a D-9 dozer. A large knob (15 feet +) of cemented sandstone was broken with an excavator equipped with a rock breaker on March 19. The contractor placed the oversize material in windrows within the fill.

Oversize material was encountered during drilling onsite conducted as part of our geotechnical investigation, and we noted in our geotechnical report (August, 2008) that oversize material should be expected (see attached excerpt from report). However, while we would have expected cemented layers or rocks up to about 3 or 4 feet in dimension, in our experience, cemented rock larger than about 4 feet in dimension is unusual. Although we did not encounter cemented rock of this size (larger than about 4 feet) during our investigation of the site, we did observe some oversized greater than 4 feet in dimension during rough grading

We appreciate the opportunity to provide our services to Successor Agency to the Industry Urban-Development Agency on this project. If you have any questions, please contact us at your convenience.

Respectfully submitted,

LEIGHTON CONSULTING, INC.



Philip A. Buchiarelli, CEG 1711

Principal Geologist

PB/rsm

Attachments: References
Daily Field Reports Nos. 49 through 72
Moisture Content Test Results
Log of Boring BA-26
Excerpt from August, 2008 Geotechnical Report
Photographs of Cut Between March 5 and March 16

Distribution: (3) Addressee



REFERENCES

- Leighton Consulting, Inc., 2007, Report of Geotechnical Conditions for Use in Development Planning, Eastern Portion of the Proposed Industry Business Center, East of Grand Avenue, North of State Route 60/57, City of Industry, California, Project No. 601180-002, dated October, 31, 2007.
- _____, 2008, Preliminary Design-Level Geotechnical Report, Proposed Los Angeles/Ridgeline Stadium Eastside Parking Area, East of Grand Avenue, North of State Routes 60/57, City of Industry, California, Project No. 602121-003, dated August 28, 2008.
- _____, 2010, Limited Geotechnical Review of the Conceptual Grading Plans, Industry Business Center, East and West of Grand Avenue, North of State Routes 57/60, City of Industry, California, Project No. 602121-005, dated September 21, 2010.
- _____, 2011, Limited Geotechnical Review of the Conceptual Grading Plans, Industry Retail Option, Industry Business Center, East Side of Grand Avenue, North of State Routes 57/60, City of Industry, California, Project No. 602121-005, dated December 13, 2011.
- _____, 2014, Geotechnical Review of Rough Grading Plans, Industry Business Center, East Side, Improvement Project No. 380, East of Grand Avenue, North of State Routes 57/60, City of Industry, California, Project No. 10291.005, dated October 28, 2014.



Project Name: Industry Business Center East		Project No.: 10291.005		Date: 2/24/2015		Report No.: 49		
Location: Grand Avenue @ Baker Parkway, City of Industry, CA				Day (check one): <input type="checkbox"/> M <input checked="" type="checkbox"/> T <input type="checkbox"/> W <input type="checkbox"/> Th <input type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> Su				
Client: Successor to the Agency		Superintendent: Shaun Malganji		Weather (check one): <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:				
Contractor: Sukut		Foreman: Rusty		Author: George Ruiz				
Soil Engineer: JDH		Geologist: PB		Project Manager: MG		Field Supervisor: MG		
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input type="checkbox"/> Post grading Other:								
Equipment Working: (Spread 1) 5-657 Scrapers, 1-834 Dozer, 1-Water Truck, 1-D9 (Spread 2) 4-657 Scrapers, 1-834 w/ Beegee, 1-824 2-Water Trucks, 1-D9 Dozer (Spread 3) 5-651 Scrapers, 2-D-10 Push-cats, 1-824, 1-D9, 2-Water Trucks				Technician		GAR	IMT	
				Hours		10.0	9.0	
				Today's Estimated Yardage:				
<p>Summary of operations:</p> <p>Onsite in am as requested to continue observation and testing activities of grading operations. Due to the rains over the weekend and on Monday, there was no work performed yesterday. This morning, the fill areas were assessed and there was no negative impact from rains.</p> <p>Spread 1: Removal operation continued in the area north of F-12/F-13 along railroad tracks. Fill placement continued to be placed in the area to the north of Building 10 at F-12. When removals reached an acceptable bottom, it was approved, surveyed and documented. Bottom was then processed and fill began to be placed.</p> <p>Spread 2: Contractor continued removals in the area of C-12. Fill continues to be placed along the entrance area (Baker & Grand), along the slope above Baker Parkway (north of C-12), and to the west of Building 10.</p> <p>Spread 3: Operations began on the cut and overexcavation of C-14. Material generated was placed as fill in the area to the north of C-14.</p> <p>Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum.</p> <p>Leighton will return tomorrow to continue testing and observation of grading operations.</p> <p>-GAR-</p>								
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted, the area is to be reworked and retested to confirm adequate compaction.								
		Leighton Consulting, Inc. <small>A LEIGHTON GROUP COMPANY</small> DAILY FIELD REPORT				Received by:		
				CC: Shaun Malganji		Print:		
						Date:		

Project Name: Industry Business Center East		Project No.: 10291.005		Date: 2/25/2015	Report No.: 50															
Location: Grand Avenue @ Baker Parkway, City of Industry, CA			Day (check one): <input type="checkbox"/> M <input type="checkbox"/> T <input checked="" type="checkbox"/> W <input type="checkbox"/> T <input type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> S																	
Client: Successor to the Agency		Superintendent: Shaun Malganji		Weather (check one): <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:																
Contractor: Sukut		Foreman: Rusty		Author: George Ruiz																
Soil Engineer: JDH		Geologist: PB		Project Manager: MG																
				Field Supervisor: MG																
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input type="checkbox"/> Post grading Other:																				
Equipment Working: (Spread 1) 5-657 Scrapers, 1-834 Dozer, 1-Water Truck, 1-D9 (Spread 2) 4-657 Scrapers, 1-834 w/ Beegee, 1-824 2-Water Trucks, 1-D9 Dozer (Spread 3) 5-651 Scrapers, 2-D-10 Push-cats, 1-824, 1-D9, 2-Water Trucks			<table border="1"> <tr> <td>Technician</td> <td>GAR</td> <td>IMT</td> <td></td> <td></td> </tr> <tr> <td>Hours</td> <td>5.0</td> <td>5.0</td> <td></td> <td></td> </tr> <tr> <td colspan="5">Today's Estimated Yardage:</td> </tr> </table>			Technician	GAR	IMT			Hours	5.0	5.0			Today's Estimated Yardage:				
Technician	GAR	IMT																		
Hours	5.0	5.0																		
Today's Estimated Yardage:																				
Summary of operations: Onsite in am as requested to continue observation and testing activities of grading operations. Spread 1: Removal operation continued in the area north of C-16 along railroad tracks. Fill placement continued to be placed in the area to the north of C-16. When removals reached an acceptable bottom, it was approved, surveyed and documented. Bottom was then processed and fill began to be placed. Spread 2: Contractor returned to the area east of C-14 and continued removals. Fill was placed in the area to the east and northeast of C-14. Spread 3: The cut and overexcavation of C-14 continued with fill placed in the area to the north of C-14. Contractor was struggling to keep moisture contents at the 3% over optimum in this area as well as achieving 95% minimum relative compaction. Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. The fill area in Spread 3 was ripped and heavily moisture conditioned at the end of the day and will be reworked tomorrow morning. Contractor stopped work today at 11:00. Leighton will return tomorrow to continue testing and observation of grading operations. -GAR-																				
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted, the area is to be reworked and retested to confirm adequate compaction.																				
		Leighton Consulting, Inc. A LEIGHTON GROUP COMPANY DAILY FIELD REPORT		Received by: CC: Shaun Malganji Print: Date:																

Project Name: Industry Business Center East		Project No.: 10291.005		Date: 2/26/2015	Report No.: 51
Location: Grand Avenue @ Baker Parkway, City of Industry, CA			Day (check one): <input type="checkbox"/> M <input type="checkbox"/> T <input type="checkbox"/> W <input checked="" type="checkbox"/> T <input type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> S		
Client: Successor to the Agency	Superintendent: Shaun Malganji		Weather (check one): <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:		
Contractor: Sukut	Foreman: Rusty		Author: George Ruiz		
Soil Engineer: JDH	Geologist: PB	Project Manager: MG		Field Supervisor: MG	
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input type="checkbox"/> Post grading Other:					
Equipment Working: (Spread 1) 5-657 Scrapers, 1-834 Dozer, 1-Water Truck, 1-D9 (Spread 2) 4-657 Scrapers, 1-834 w/ Beegee, 1-824 2-Water Trucks, 1-D9 Dozer (Spread 3) 5-651 Scrapers, 2-D-10 Push-cats, 1-824, 1-D9, 3-Water Trucks			Technician	GAR	IMT
			Hours	10.0	10.0
			Today's Estimated Yardage:		
Summary of operations: Onsite in am as requested to continue observation and testing activities of grading operations. Spread 1: Removal operation continued in the area north of C-16 along railroad tracks. Fill placement continued in the area to the north of C-16. An area of saturated material was encountered and fill became overly wet. Fill was mixed with dryer material and was reworked until moisture contents were closer to the 3% over optimum content. Deep settlement plate #5 was set today in the following (approximate) location: N: 24496.4 E: 45735.9, at approximate elevation of 610.8 Spread 2: Contractor continued removals in the area east of C-14 towards C-13. Fill was placed in the area to the east and northeast of C-14. Spread 3: The cut and overexcavation of C-14 continued with fill placed in the area to the north of C-14. In morning, the fill was rolled and recompactd from failures from yesterday afternoon. A third water truck was added to this spread today, and contractor is periodically rolling fill with a loaded scraper to help with compaction efforts. Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. Failing areas were reworked and retested until the minimum moisture contents and compaction criteria were met. Leighton will return tomorrow to continue testing and observation of grading operations. -GAR-					
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted, the area is to be reworked and retested to confirm adequate compaction.					
		Leighton Consulting, Inc. A LEIGHTON GROUP COMPANY DAILY FIELD REPORT		Received by:	
				CC: Shaun Malganji	
				Print:	
				Date:	

Project Name: Industry Business Center East		Project No.: 10291.005		Date: 2/27/2015	Report No.: 52	
Location: Grand Avenue @ Baker Parkway, City of Industry, CA			Day (check one): <input type="checkbox"/> M <input type="checkbox"/> T <input type="checkbox"/> W <input type="checkbox"/> Th <input checked="" type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> Su			
Client: Successor to the Agency		Superintendent: Shaun Malganji		Weather (check one): <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:		
Contractor: Sukut		Foreman: Rusty		Author: George Ruiz		
Soil Engineer: JDH		Geologist: PB		Project Manager: MG		
				Field Supervisor: MG		
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input type="checkbox"/> Post grading Other:						
Equipment Working: (Spread 1) 5-657 Scrapers, 1-834 Dozer, 1-Water Truck, 1-D9 (Spread 2) 4-657 Scrapers, 1-834 w/ Beegee, 1-824 2-Water Trucks, 1-D9 Dozer (Spread 3) 6-651 Scrapers, 2-D-10 Push-cats, 1-824, 1-D9, 2-Water Trucks			Technician	GAR	IMT	
			Hours	10.0	10.0	
			Today's Estimated Yardage:			
Summary of operations: Onsite in am as requested to continue observation and testing activities of grading operations. Spread 1: Removal operation continues north of C-16 along railroad tracks. Fill placement continued in the area to the north of C-16. As removals are carried out to a competent bottom, they are being surveyed and documented prior to processing and fill placement. The 6" canyon subdrain was extended from west of C-16 to outlet into proposed storm drain. Spread 2: Contractor continued removals in the area east of C-14 towards C-13. Fill was placed in the area to the east and northeast of C-14. Spread 3: The cut and overexcavation of C-14 continued with fill placed in the area to the north of C-14. Contractor continues with 3 water trucks to maintain moisture contents at the 3% over optimum in this area. Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. Failing areas were reworked and retested until the recommended moisture contents and compaction criteria was met. Leighton will return tomorrow to continue testing and observation of grading operations. -GAR-						
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted, the area is to be reworked and retested to confirm adequate compaction.						
		Leighton Consulting, Inc. A LEIGHTON GROUP COMPANY DAILY FIELD REPORT		Received by:		
				CC: Shaun Malganji		
				Print:		
				Date:		

Project Name: Industry Business Center East		Project No.: 10291.005		Date: 3/03/2015	Report No.: 53
Location: Grand Avenue @ Baker Parkway, City of Industry, CA			Day (check one): <input type="checkbox"/> M <input checked="" type="checkbox"/> T <input type="checkbox"/> W <input type="checkbox"/> Th <input type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> Su		
Client: Successor to the Agency		Superintendent: Shaun Malganji		Weather (check one): <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:	
Contractor: Sukut		Foreman: Rusty		Author: George Ruiz	
Soil Engineer: JDH		Geologist: PB		Project Manager: MG	
				Field Supervisor: MG	
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input type="checkbox"/> Post grading Other:					
Equipment Working: (Spread 1) 4-657 Scrapers, 1-834 Dozer, 1-Water Truck, 1-D9 (Spread 2) 4-657 Scrapers, 1-834 w/ Beegee, 1-824 2-Water Trucks, 1-D9 Dozer (Spread 3) 7-651 Scrapers, 2-D-10 Push-cats, 1-824, 1-D9, 3-Water Trucks			Technician	GAR	IMT
			Hours	10.0	10.0
			Today's Estimated Yardage:		
Summary of operations: Onsite in am as requested to continue observation and testing activities of grading operations. Due to the recent rains, contractor did not work yesterday. Today, contractor cleared the near surface muddy material					
Spread 1: Removal operation continues north of C-16 along railroad tracks. Fill placement continued in the area to the north of C-16. As removals are carried out to a competent bottom, they are being surveyed and documented prior to processing and fill placement.					
Spread 2: Contractor continues with removals in the area east of C-14 towards C-13. Fill was placed in the area to the east and northeast of C-14. When removals were carried out to a competent bottom into bedrock material, the bottoms were surveyed and documented prior to processing and fill placement. The 6" canyon subdrain was extended into this next removal area.					
Spread 3: The cut and overexcavation of C-14 continued with fill placed in the area to the north of C-14. Contractor continues with 3 water trucks to maintain moisture contents at the 3% over optimum in this area with 3 water trucks and is having the other water trucks assist with this fill. Contractor is beginning to encounter oversized rock in cut area and is burring in fill so that equipment can properly compact around and over them.					
Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. Failing areas were reworked and retested until the recommended moisture contents and compaction criteria was met.					
Leighton will return tomorrow to continue testing and observation of grading operations. -GAR-					
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted, the area is to be reworked and retested to confirm adequate compaction.					
	Leighton Consulting, Inc. A LEIGHTON GROUP COMPANY DAILY FIELD REPORT			Received by:	
				CC: Shaun Malganji	
				Print:	
		Date:			

Project Name: Industry Business Center East		Project No.: 10291.005		Date: 3/04/2015	Report No.: 54
Location: Grand Avenue @ Baker Parkway, City of Industry, CA			Day (check one): <input type="checkbox"/> M <input type="checkbox"/> T <input checked="" type="checkbox"/> W <input type="checkbox"/> T <input type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> S		
Client: Successor to the Agency		Superintendent: Shaun Malganji		Weather (check one): <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:	
Contractor: Sukut		Foreman: Rusty		Author: George Ruiz	
Soil Engineer: JDH		Geologist: PB		Project Manager: MG	
				Field Supervisor: MG	
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input type="checkbox"/> Post grading Other:					
Equipment Working: (Spread 1) 4-657 Scrapers, 1-834 Dozer, 1-Water Truck, 1-D9 (Spread 2) 4-657 Scrapers, 1-834 w/ Beegee, 1-824 2-Water Trucks, 1-D9 Dozer (Spread 3) 7-651 Scrapers, 2-D-10 Push-cats, 1-824, 1-D9, 3-Water Trucks			Technician	GAR	IMT
			Hours	10.0	10.0
			Today's Estimated Yardage:		
Summary of operations: Onsite in am as requested to continue observation and testing activities of grading operations. Due to the recent rains, contractor did not work yesterday. Today, contractor cleared the near surface muddy material					
Spread 1: Removal operation continues north of C-16 along railroad tracks. Fill placement continued in the area to the north and west of C-16. As removals are carried out to a competent bottom, they are being surveyed and documented prior to processing and fill placement.					
Spread 2: Contractor continues with removals in the area east of C-14 towards C-13. Fill was placed in the area to the east and northeast of C-14. When removals were carried out to a competent bottom into bedrock material, the bottoms were surveyed and documented prior to processing and fill placement. The 6" canyon subdrain was extended into this next removal area.					
Spread 3: The cut and overexcavation of C-14 continued with fill placed in the area to the north of C-14. Contractor continues to encounter material in the cut that is below optimum moisture content, additionally, oversized rock continues to be encountered in greater quantities in cut area. Oversized rock is being buried in wind-rows so that equipment can properly compact between them.					
Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. Failing areas were reworked and retested until the recommended moisture contents and compaction criteria was met.					
Leighton will return tomorrow to continue testing and observation of grading operations. -GAR-					
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted, the area is to be reworked and retested to confirm adequate compaction.					
	Leighton Consulting, Inc. A LEIGHTON GROUP COMPANY DAILY FIELD REPORT			Received by:	
				CC: Shaun Malganji	
				Print:	
		Date:			

Project Name: Industry Business Center East		Project No.: 10291.005		Date: 3/05/2015	Report No.: 55
Location: Grand Avenue @ Baker Parkway, City of Industry, CA			Day (check one): <input type="checkbox"/> M <input type="checkbox"/> T <input type="checkbox"/> W <input checked="" type="checkbox"/> T <input type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> S		
Client: Successor to the Agency	Superintendent: Shaun Malganji		Weather (check one): <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:		
Contractor: Sukut	Foreman: Rusty		Author: George Ruiz		
Soil Engineer: JDH	Geologist: PB	Project Manager: MG		Field Supervisor: MG	
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input type="checkbox"/> Post grading Other:					
Equipment Working: (Spread 1) 5-657 Scrapers, 1-834 Dozer, 2-Water Trucks, 1-D9 (Spread 2) 4-657 Scrapers, 1-834 w/ Beegee, 1-824 Dozer, 2-Water Trucks, 1-D9 Dozer (Spread 3) 8-651 Scrapers, 2-D-10 Push-cats, 1-824, 1-D9, 2-Water Trucks			Technician	GAR	IMT
			Hours	10.0	10.0
			Today's Estimated Yardage:		
Summary of operations: Onsite in am as requested to continue observation and testing activities of grading operations. Spread 1: Removal operation continued in the area north of C-16 along railroad tracks. Fill placement continued to be placed in the area to the north of C-16. In pm, contractor carried out removals in a portion of a canyon on the west side of C-16. When removals reached an acceptable bottom, they were approved, surveyed and documented. Bottoms were then processed and fill began to be placed. Spread 2: Contractor continued with removals to the area east of C-14 towards C-13. Fill was placed in the area to the east and northeast of C-14. The 6" canyon subdrain was extended into the next removal area. Spread 3: The cut and overexcavation of C-14 continued with fill placed in the area to the north of C-14. Contractor continues to encounter oversized and hard rock in the northwest area of C-14. This rock is being buried in fill north of C-14 in wind-rows. Care is being taken to not place a rock windrow in the vicinity of the settlement plates. Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. Failing areas were reworked and retested until the recommended compaction criteria and moisture contents were achieved Leighton will return tomorrow to continue testing and observation of grading operations. -GAR-					
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted, the area is to be reworked and retested to confirm adequate compaction.					
		Leighton Consulting, Inc. A LEIGHTON GROUP COMPANY DAILY FIELD REPORT		Received by: CC: Shaun Malganji	
				Print:	
				Date:	

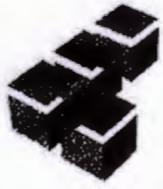
Project Name: Industry Business Center East		Project No.: 10291.005		Date: 03-06-15	Report No.: 56
Location: Grand Ave @ Baker Parkway, City of Industry			Day (check one): <input checked="" type="checkbox"/> M <input type="checkbox"/> T <input type="checkbox"/> W <input type="checkbox"/> Th <input checked="" type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> Su		
Client: Successor to the Agency		Superintendent: Shaun Malganji		Weather (check one): <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:	
Contractor: Sukut		Foreman: Rusty		Author: Ian Tillen	
Soil Engineer: JDH		Geologist: PB		Project Manager: MG	
				Field Supervisor: MG	
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input checked="" type="checkbox"/> Post grading Other: _____					
Equipment Working: Cat 651B x 7, Cat 657 x 8, Water Truck x 6, Cat 834 x2, Cat 824, Cat D9 Dozer x3, Cat D10 Pushcat x2			Technician	IMT	GAR
			Hours	10.0	10.0
			Today's Estimated Yardage: 50,000		
<p>Summary of operations: On-site as requested to continue observation and testing of mass grading operations.</p> <p>Spread 1: Removal operation continued in the area north of C-16 along railroad tracks. Fill placement continued to be placed in the area to the north of C-16.</p> <p>Spread 2: Contractor continued with removals to the area east of C-14 towards C-13. Fill was placed in the area to the east and northeast of C-14. The 6" canyon subdrain was extended into the next removal area.</p> <p>Spread 3: The cut and overexcavation of C-14 continued with fill placed in the area to the north of C-14. Contractor continues to encounter oversized and hard rock in the northwest area of C-14. This rock is being buried in fill north of C-14 in windrows. Care is being taken to not place a rock windrow in the vicinity of the settlement plates.</p> <p>Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. Failing areas were reworked and retested until the recommended compaction criteria and moisture contents were achieved</p> <p>Leighton will return tomorrow to continue testing and observation of grading operations.</p>					
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted the area is to be reworked and retested to confirm adequate compaction.					
	Leighton Consulting, Inc. A LEIGHTON GROUP COMPANY DAILY FIELD REPORT			Received by:	
				Print:	
				Date:	

Project Name: Industry Business Center East		Project No.: 10291.005		Date: 03-09-15	Report No.: 57
Location: Grand Ave @ Baker Parkway, City of Industry Ca			Day (check one): <input type="checkbox"/> M <input checked="" type="checkbox"/> T <input type="checkbox"/> W <input type="checkbox"/> T <input type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> S		
Client: Successor to the Agency	Superintendent: Shaun Malganji		Weather (check one): <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:		
Contractor: Sukut	Foreman: Rusty		Author: Ian Tillen		
Soil Engineer: JDH	Geologist: PB	Project Manager: MG		Field Supervisor: MG	
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input checked="" type="checkbox"/> Post grading Other: _____					
Equipment Working: (Spread 1) 4-657 Scrapers, 1-834 Dozer, 1-Water Trucks, 1-D9 (Spread 2) 4-657 Scrapers, 1-834 w/ Beegee, 1-824 Dozer, 1-Water Trucks, 1-D9 Dozer (Spread 3) 7-651 Scrapers, 2-D-10 Push-cats, 1-824, 1-D9, 2-Water Trucks			Technician	IMT	GAR
			Hours	10.0	10.0
			Today's Estimated Yardage: N/A		
Summary of operations: <p>On-site to continue observation and testing of site mass grading operations. The contractor continues to fill across 3 spreads.</p> <p>Spread 1: Removal operation continued in the area north of C-16 as well as C-17 along railroad tracks. Fill placement continued to be placed in the area to the north of C-16.</p> <p>Spread 2: Contractor continued with removals to the area east of C-14 towards C-13. Fill was placed in the area to the east and northeast of C-14. A removal bottom has been approved by Steve Okubo of Leighton and the subdrain has been extended into the area.</p> <p>Spread 3: The cut and overexcavation of C-14 continues, with fill placed in the area to the north of C-14. Contractor continues to encounter oversized and hard rock in the northwest area of C-14. This rock is being buried in fill north of C-14 in wind-rows. Care is being taken to not place a rock window in the vicinity of the settlement plates.</p> <p>Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. Failing areas were reworked and retested until the recommended compaction criteria and moisture contents were achieved</p> <p>Leighton will return tomorrow to continue testing and observation of grading operations.</p>					
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted the area is to be reworked and retested to confirm adequate compaction.					
		Leighton Consulting, Inc. <small>A LEIGHTON GROUP COMPANY</small> DAILY FIELD REPORT		Received by:	
				Print:	
				Date:	

Project Name: Industry Business Center East		Project No.: 10291.005		Date: 03-10-15		Report No.: 58	
Location: Grand Ave @ Baker Parkway, City of Industry Ca				Day (check one): <input type="checkbox"/> M <input checked="" type="checkbox"/> T <input type="checkbox"/> W <input type="checkbox"/> Th <input type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> Su			
Client: Successor to the Agency		Superintendent: Shaun Maiganji		Weather (check one): <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:			
Contractor: Sukut		Foreman: Rusty		Author: Ian Tillen			
Soil Engineer: JDH		Geologist: PB		Project Manager: MG		Field Supervisor: MG	
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input checked="" type="checkbox"/> Post grading Other: _____							
Equipment Working: (Spread 1) 4-657 Scrapers, 1-834 Dozer, 2-Water Trucks, 1-D9 (Spread 2) 4-657 Scrapers, 1-834 w/ Beegee, 1-824 Dozer, 2-Water Trucks, 1-D9 Dozer (Spread 3) 7-651 Scrapers, 2-D-10 Push-cats, 1-824, 1-D9, 2-Water Trucks				Technician	IMT	GAR	
				Hours	10.0	10.0	
				Today's Estimated Yardage: N/A			
Summary of operations: On-site to continue observation and testing of site mass grading operations. The contractor continues to fill across 3 spreads. Spread 1: Removal operation continued in the area north of C-16 as well as C-17 along railroad tracks. Fill placement continued to be placed in the area to the north of C-16. Spread 2: Contractor continued with removals to the area east of C-14 towards C-13. Fill was placed in the area to the east and northeast of C-14. A removal bottom has been approved by Steve Okubo of Leighton and the subdrain has been extended into the area. Spread 3: The cut and overexcavation of C-14 continues, with fill placed in the area to the north of C-14. Contractor continues to encounter oversized and hard rock in the northwest area of C-14. This rock is being buried in fill north of C-14 in wind-rows. Care is being taken to not place a rock windrow in the vicinity of the settlement plates. Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. Failing areas were reworked and retested until the recommended compaction criteria and moisture contents were achieved Leighton will return tomorrow to continue testing and observation of grading operations.							
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted the area is to be reworked and retested to confirm adequate compaction.							
		Leighton Consulting, Inc. <small>A LEIGHTON GROUP COMPANY</small> DAILY FIELD REPORT				Received by:	
						Print:	
						Date:	

Project Name: Industry Business Center East		Project No.: 10291.005		Date: 03-11-15		Report No.: 59	
Location: Grand Ave @ Baker Parkway, City of Industry Ca				Day (check one): <input type="checkbox"/> M <input type="checkbox"/> T <input checked="" type="checkbox"/> W <input type="checkbox"/> T <input type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> S			
Client: Successor to the Agency		Superintendent: Shaun Malganji		Weather (check one): <input checked="" type="checkbox"/> Sunny <input checked="" type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:			
Contractor: Sukut		Foreman: Rusty		Author: Ian Tillen			
Soil Engineer: JDH		Geologist: PB		Project Manager: MG		Field Supervisor: MG	
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input type="checkbox"/> Post grading Other: _____							
Equipment Working: (Spread 1) 4-657 Scrapers, 1-834 Dozer, 2-Water Trucks, 1-D9 (Spread 2) 4-657 Scrapers, 1-834 w/ Beegee, 1-824 Dozer, 2-Water Trucks, 1-D9 Dozer (Spread 3) 7-651 Scrapers, 2-D-10 Push-cats, 1-824, 1-D9, 2-Water Trucks				Technician	IMT	GAR	
				Hours	10.0	10.0	
				Today's Estimated Yardage: N/A			
Summary of operations: On-site to continue observation and testing of site mass grading operations. The contractor continues to fill across 3 spreads. Spread 1: Removal operations continued in the area north of C-16 as well as C-17 along railroad tracks. Fill placement continued to be placed in the area to the north of C-16 as well as the canyon to the south of C-16. Spread 2: Contractor continued with removals to the area east of C-14 towards C-13. Fill was placed in the area to the east and northeast of C-14. A removal bottom has been approved by Steve Okubo of Leighton the the canyon to the north of C-13. Spread 3: The cut and overexcavation of C-14 continues, with fill placed in the area to the north of C-14. Contractor continues to encounter oversized and hard rock in the northwest area of C-14. This rock is being spread in the fill north of C-14 in wind-rows. Care is being taken to not place a rock windrow in the vicinity of the settlement plates. Moisture readings are being taken in Cut-14 as requested, currently moistures in the cut are ranging from 9%-11% in the sandstone, and 25% -33% in the silt stone. Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. Failing areas were reworked and retested until the recommended compaction criteria and moisture contents were achieved Leighton will return tomorrow to continue testing and observation of grading operations.							
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted the area is to be reworked and retested to confirm adequate compaction.							
		Leighton Consulting, Inc. <small>A LEIGHTON GROUP COMPANY</small> DAILY FIELD REPORT				Received by:	
				Print:			
				Date:			

Project Name: Industry Business Center East		Project No.: 10291.005		Date: 03-12-15	Report No.: 60
Location: Grand Ave @ Baker Parkway, City of Industry Ca			Day (check one): <input type="checkbox"/> M <input type="checkbox"/> T <input type="checkbox"/> W <input checked="" type="checkbox"/> T <input type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> S		
Client: Successor to the Agency	Superintendent: Shaun Maiganji		Weather (check one): <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:		
Contractor: Sukut	Foreman: Rusty		Author: Ian Tillen		
Soil Engineer: JDH	Geologist: PB	Project Manager: MG		Field Supervisor: MG	
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input type="checkbox"/> Post grading Other: _____					
Equipment Working: (Spread 1) 4-657 Scrapers, 1-834 Dozer, 2-Water Trucks, 1-D9 (Spread 2) 4-657 Scrapers, 1-834 w/ Beegee, 1-824 Dozer, 2-Water Trucks, 1-D9 Dozer (Spread 3) 7-651 Scrapers, 2-D-10 Push-cats, 1-824, 1-D9, 2-Water Trucks			Technician	IMT	GAR
			Hours	10.0	10.0
			Today's Estimated Yardage: N/A		
Summary of operations: On-site to continue observation and testing of site mass grading operations. The contractor continues to fill across 3 spreads. Spread 1: Removal operation continues in the area of F-13/ C-15. Fill placement continued to be placed in the area to the north of C-16 along the railroad tracks as well as the adjoining canyon areas. Spread 2: Contractor continues with removals to the area east of C-14 towards C-13. Fill was placed in the area to the east and northeast of C-14. A removal bottom has been approved by Steve Okubo of Leighton in the canyon to the east of C-14 and north of C-13. Spread 3: The cut and overexcavation of C-14 continues, with fill placed in the area to the north of C-14. Contractor continues to encounter oversized and hard rock in the northwest area of C-14. This rock is being spread in the fill north of C-14 in wind-rows. Care is being taken to not place a rock windrow in the vicinity of the settlement plates. Moisture readings are being taken in the cut as requested, currently moistures in the cut are ranging from 9%-10% in the sandstone, and 27% -31% in the silt stone. Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. Failing areas were reworked and retested until the recommended compaction criteria and moisture contents were achieved Leighton will return tomorrow to continue testing and observation of grading operations.					
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted the area is to be reworked and retested to confirm adequate compaction.					
		Leighton Consulting, Inc. <small>A LEIGHTON GROUP COMPANY</small> DAILY FIELD REPORT		Received by:	
				Print:	
				Date:	

Project Name: Industry Business Center East		Project No.: 10291.005		Date: 03-13-15	Report No.: 61
Location: Grand Ave @ Baker Parkway, City of Industry Ca			Day (check one): <input type="checkbox"/> M <input type="checkbox"/> T <input type="checkbox"/> W <input type="checkbox"/> Th <input checked="" type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> Su		
Client: Successor to the Agency	Superintendent: Shaun Malganji		Weather (check one): <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:		
Contractor: Sukut	Foreman: Rusty		Author: Ian Tillen		
Soil Engineer: JDH	Geologist: PB	Project Manager: MG		Field Supervisor: MG	
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input type="checkbox"/> Post grading Other: _____					
Equipment Working: (Spread 1) 4-657 Scrapers, 1-834 Dozer, 2-Water Trucks, 1-D9 (Spread 2) 4-657 Scrapers, 1-834 w/ Beegee, 1-824 Dozer, 2-Water Trucks, 1-D9 Dozer (Spread 3) 7-651 Scrapers, 2-D-10 Push-cats, 1-824, 1-D9, 2-Water Trucks			Technician	IMT	GAR
			Hours	10.0	10.0
			Today's Estimated Yardage: N/A		
<p>Summary of operations:</p> <p>On-site to continue observation and testing of site mass grading operations. The contractor continues to fill across 3 spreads.</p> <p>Spread 1: A removal bottom has been approved by Steve Okubo of Leighton in F-13, South of C-15. Removals continue in the area, and fill is being placed to the north and west of C-16. The fill was shut down after lunch for approximately 1 hour while they fixed the failing area by mixing and moisturizing the fill further.</p> <p>Spread 2: Contractor continued with removals to the area east of C-14 towards C-13. Fill was placed in the area to the east and northeast of C-14. Another portion of the subdrain has been extended into the previously approved excavation to the north of C-13, George Ruiz of Leighton recorded the location.</p> <p>Spread 3: The cut and overexcavation of C-14 continues, with fill placed in F-12, the area to the north of C-14. Contractor continues to encounter oversized and hard rock in the northwest area of C-14. This rock is being buried in fill north of C-14 in wind-rows. Care is being taken to not place a rock windrow in the vicinity of the settlement plates. Moisture readings continue to be taken in the cut as requested, currently moistures in the cut are ranging from 9%-11% in the sandstone, and 25% 28% in the silt stone.</p> <p>Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. Failing areas were reworked and retested until the recommended compaction criteria and moisture contents were achieved</p> <p>Leighton will return tomorrow to continue testing and observation of grading operations.</p>					
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted the area is to be reworked and retested to confirm adequate compaction.					
		Leighton Consulting, Inc. <small>A LEIGHTON GROUP COMPANY</small> DAILY FIELD REPORT		Received by:	
				Print:	
				Date:	

Project Name: Industry Business Center East		Project No.: 10291.005		Date: 03-16-15	Report No.: 62	
Location: Grand Ave @ Baker Parkway, City of Industry Ca			Day (check one): <input checked="" type="checkbox"/> M <input type="checkbox"/> T <input type="checkbox"/> W <input type="checkbox"/> Th <input type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> Su			
Client: Successor to the Agency	Superintendent: Shaun Malganji		Weather (check one): <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:			
Contractor: Sukut	Foreman: Rusty		Author: Ian Tillen			
Soil Engineer: JDH	Geologist: PB	Project Manager: MG		Field Supervisor: MG		
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input type="checkbox"/> Post grading Other: _____						
Equipment Working: (Spread 1) 4-657 Scrapers, 1-834 Dozer, 2-Water Trucks, 1-D9 (Spread 2) 4-657 Scrapers, 1-834 w/ Beegee, 1-824 Dozer, 2-Water Trucks, 1-D9 Dozer (Spread 3) 7-651 Scrapers, 2-D-10 Push-cats, 1-824, 1-D9, 2-Water Trucks			Technician	IMT	GAR	
			Hours	10.0	7.0	
			Today's Estimated Yardage: N/A			
Summary of operations: On-site this A.M. to continue observation and testing of site mass grading operations.						
Spread 1: Removals continue in F-13 south of C-15 towards the east. Another section of the excavation has been approved by Steve Okubo of Leighton, bottom elevations have been recorded, and a subdrain has been extended into the area as well.						
Spread 2: Operations continue as normal in the area, fill continues to be cut from the north of C-13 and placed in the previously approved bottom to the east of C-14 and north of C-13. Another section of the excavation has been approved in the canyon removal to the north of F-15, subdrain will be extended into the area tomorrow AM.						
Spread 3: Excavation continues from C-14, placing fill throughout F-12. Large rock is still being encountered in the cut. The rock is being spread into windrows throughout the fill, taking care to water the area heavily to migrate fines between the rocks. Moisture content in the cut is ranging from 25-28% in the silt stone, and 9-11% in the sand stone.						
Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. Failing areas were reworked and retested until the recommended compaction criteria and moisture contents were achieved						
Leighton will return tomorrow to continue testing and observation of grading operations.						
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted the area is to be reworked and retested to confirm adequate compaction.						
		Leighton Consulting, Inc. A LEIGHTON GROUP COMPANY DAILY FIELD REPORT		Received by:		
				Print:		
				Date:		

Project Name: Industry Business Center East		Project No.: 10291.005		Date: 03-17-15	Report No.: 63	
Location: Grand Ave @ Baker Parkway, City of Industry Ca			Day (check one): <input type="checkbox"/> M <input checked="" type="checkbox"/> T <input type="checkbox"/> W <input type="checkbox"/> Th <input type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> Su			
Client: Successor to the Agency	Superintendent: Shaun Malganji		Weather (check one): <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:			
Contractor: Sukut	Foreman: Rusty		Author: Ian Tillen			
Soil Engineer: JDH	Geologist: PB	Project Manager: MG		Field Supervisor: MG		
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input type="checkbox"/> Post grading Other: _____						
Equipment Working: (Spread 1) 4-657 Scrapers, 1-834 Dozer, 2-Water Trucks, 1-D9 (Spread 2) 4-657 Scrapers, 1-834 w/ Beegee, 1-824 Dozer, 2-Water Trucks, 1-D9 Dozer (Spread 3) 7-651 Scrapers, 2-D-10 Push-cats, 1-824, 1-D9, 2-Water Trucks			Technician	IMT	GAR	
			Hours	10.0	8.0	
			Today's Estimated Yardage: N/A			
Summary of operations: On-site this A.M. to continue observation and testing of site mass grading operations.						
Spread 1: The contractor continues canyon removals in F-13 to the south of C-15. Steve Okubo approved a section of the removal in this area today. The subdrain has been extended further into this area today as well and has been recorded.						
Spread 2: Operations continue as normal in the area, fill continues to be cut from the north of C-13 and placed in the previously approved bottom to the east of C-14 and north of C-13. The subdrain has been extended further and the location has been recorded.						
Spread 3: Excavation continues from C-14, placing fill throughout F-12. Large rock is still being encountered in the cut, in lesser amounts. The rock is being spread into windrows throughout the fill, taking care to water the area heavily to migrate fines between the rocks. Moisture content in the cut is ranging from 25-28% in the silt stone, and 9-11% in the sand stone.						
Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. Failing areas were reworked and retested until the recommended compaction criteria and moisture contents were achieved						
Leighton will return tomorrow to continue testing and observation of grading operations.						
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted the area is to be reworked and retested to confirm adequate compaction.						
		Leighton Consulting, Inc. <small>A LEIGHTON GROUP COMPANY</small> DAILY FIELD REPORT		Received by:		
				Print:		
				Date:		

Project Name: Industry Business Center East		Project No.: 10291.005		Date: 03-18-15	Report No.: 64
Location: Grand Ave @ Baker Parkway, City of Industry Ca			Day (check one): <input type="checkbox"/> M <input type="checkbox"/> T <input checked="" type="checkbox"/> W <input type="checkbox"/> Th <input type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> Su		
Client: Successor to the Agency	Superintendent: Shaun Malganji		Weather (check one): <input checked="" type="checkbox"/> Sunny <input checked="" type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:		
Contractor: Sukut	Foreman: Rusty		Author: Ian Tillen		
Soil Engineer: JDH	Geologist: PB	Project Manager: MG		Field Supervisor: MG	
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input type="checkbox"/> Post grading Other: _____					
Equipment Working: 8 x Cat 657 Scrapers, 7 x Cat 651 Scrapers, 3 x Cat D9 Track dozer, 2 x Cat D10 Push cat, 1 x Cat D10N Track Dozer, 1 x Cat Water Pull, 2 x Cat 834 Dozer, 1 x Cat 824 Dozer, 1 Cat 824 w/ Beegee, 6 x water trucks			Technician	IMT	GAR
			Hours	10.0	10.0
			Today's Estimated Yardage: N/A		
<p>Summary of operations: On-site to continue observation and testing of site mass grading operations.</p> <p>Spread 1: The contractor is utilizing 4 x 657 scrapers, 1 x D9, 1 x D10N, 1 x 834, 2 water trucks, and a water pull periodically. Removals continue in F-13 to the south of C-15. Cut in this area is dry, a D10N and a water pull has been brought into this fill to aid with mixing and moisturizing the material. The water pull is only used when needed to catch up on moisture application. Another section of removals has been approved by Steve Okubo of Leighton in this area.</p> <p>Spread 2: 4 x 657scrapers, 1 x 824, 1 x D9, 2 x water trucks are being used in this area. Removals continue to the east of C-14 and the north of F-15, fill is being placed to the NE of C-14. A section of removals has been approved by Steve Okubo to the north of C-13 and east of C-14</p> <p>Spread 3: 7 x 651 Scrapers, 2 x D10 Push Cats, 1 x D9, and 4 x water trucks are being utilized in this fill. Excavation continues from C-14, placing fill in F-12 to the north of C-14 and spreading the fill long to provide more time to mix and moisturize. Some large rock is still being encountered and is being placed into windrows across the fill. Ample water is being sprayed over the rock windrows to help migrate fines into the voids.</p> <p>Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. Failing areas were reworked and retested until the recommended compaction criteria and moisture contents were achieved</p> <p>Leighton will return tomorrow to continue testing and observation of grading operations.</p>					
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted the area is to be reworked and retested to confirm adequate compaction.					
		Leighton Consulting, Inc. <small>A LEIGHTON GROUP COMPANY</small> DAILY FIELD REPORT		Received by: _____ Print: _____ Date: _____	

Project Name: Industry Business Center East		Project No.: 10291.005		Date: 03-19-15		Report No.: 65					
Location: Grand Ave @ Baker Parkway, City of Industry Ca				Day (check one): <input type="checkbox"/> M <input type="checkbox"/> T <input type="checkbox"/> W <input checked="" type="checkbox"/> T <input type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> S							
Client: Successor to the Agency		Superintendent: Shaun Malgarji		Weather (check one): <input checked="" type="checkbox"/> Sunny <input checked="" type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:							
Contractor: Sukut		Foreman: Rusty		Author: Ian Tillen							
Soil Engineer: JDH		Geologist: PB		Project Manager: MG		Field Supervisor: MG					
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input type="checkbox"/> Post grading Other: _____											
Equipment Working: 8 x Cat 657 Scrapers, 7 x Cat 651 Scrapers, 3 x Cat D9 Track dozer, 2 x Cat D10 Push cat, 1 x Cat D10N Track Dozer, 1 x Cat Water Pull, 2 x Cat 834 Dozer, 1 x Cat 824 Dozer, 6 x water trucks, Excavator w/ rockbreaker attachment				Technician		IMT		GAR			
				Hours		10.0		10.0			
				Today's Estimated Yardage: 50,000							
Summary of operations: On-site this A.M. to continue observation and testing of site mass grading operations. Spread 1: The contractor is utilizing 4 x 657 scrapers, 1 x D9, 1 x D10N, 1 x 834, 2 water trucks, and a water pull periodically. Removals continue in C-15, placing fill to the south of C-15 in F-13. The water pull is only used when needed to catch up on moisture application. Spread 2: 4 x 657scrapers, 1 x 824, 1 x D9, 2 x water trucks are being used in this area. Removals continue to the north of F-15, fill is being placed to the NE of C-14. Spread 3: 7 x 651 Scrapers, 2 x D10 Push Cats, 1 x D9, and 4 x water trucks are being utilized in this fill. Excavation continues from C-14, placing fill in F-12 to the north of C-14 and spreading the fill long to provide more time to mix and moisturize. Some large rock is still being encountered and is being placed into windrows across the fill. Ample water is being sprayed over the rock windrows to help migrate fines into the voids. A excavator w/ rock breaker attachment has been brought on-site to remove the large boulder in the C-14 cut. Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. Failing areas were reworked and retested until the recommended compaction criteria and moisture contents were achieved Leighton will return tomorrow to continue testing and observation of grading operations.											
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted the area is to be reworked and retested to confirm adequate compaction.											
		Leighton Consulting, Inc. <small>A LEIGHTON GROUP COMPANY</small> DAILY FIELD REPORT				Received by:					
						Print:					
						Date:					

Project Name: Industry Business Center East		Project No.: 10291.005		Date: 03-20-15	Report No.: 66
Location: Grand Ave @ Baker Parkway, City of Industry Ca			Day (check one): <input type="checkbox"/> M <input type="checkbox"/> T <input type="checkbox"/> W <input type="checkbox"/> Th <input checked="" type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> Su		
Client: Successor to the Agency	Superintendent: Shaun Malganji		Weather (check one): <input checked="" type="checkbox"/> Sunny <input checked="" type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:		
Contractor: Sukut	Foreman: Rusty		Author: Ian Tillen		
Soil Engineer: JDH	Geologist: PB	Project Manager: MG		Field Supervisor: MG	
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input type="checkbox"/> Post grading Other: _____					
Equipment Working: 8 x Cat 657 Scrapers, 7 x Cat 661 Scrapers, 3 x Cat D9 Track dozer, 2 x Cat D10 Push cat, 1 x Cat D10N Track Dozer, 1 x Cat Water Pull, 2 x Cat 834 Dozer, 1 x Cat 824 Dozer, 6 x water trucks			Technician	IMT	GAR
			Hours	10.0	10.0
			Today's Estimated Yardage: 50,000		
Summary of operations: On-site this A.M. to continue observation and testing of site mass grading operations.					
<p>Spread 1: The contractor is utilizing 4 x 657 scrapers, 1 x D9, 1 x D10N, 1 x 834, 2 water trucks, and a water pull periodically. Removals continue in C-15, placing fill to the south of C-15 in F-13. The water pull is only used when needed to catch up on moisture application. Another section of subdrain has been installed in this area, the location has been recorded and the subdrain has been capped.</p> <p>Spread 2: 4 x 657scrapers, 1 x 824, 1 x D9, 2 x water trucks are being used in this area. Removals are progressing into C-13 to the west of F-15. A removal bottom has been approved by Steve Okubo of Leighton to the north of F-15. Fill is being placed to the NE of C-14. The subdrain has been extended into the removal area and the location has been recorded.</p> <p>Spread 3: 7 x 651 Scrapers, 2 x D10 Push Cats, 1 x D9, and 4 x water trucks are being utilized in this fill. Excavation continues from C-14, placing fill in F-12 to the north of C-14 and spreading the fill long to provide more time to mix and moisturize. Some large rock is still being encountered and is being placed into windrows across the fill. Ample water is being sprayed over the rock windrows to help migrate fines into the voids. The large boulder is demolished, and the rock generated is being trucked into the fill and placed into the windrows.</p> <p>Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. Failing areas were reworked and retested until the recommended compaction criteria and moisture contents were achieved</p> <p>Leighton will return tomorrow to continue testing and observation of grading operations.</p>					
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted the area is to be reworked and retested to confirm adequate compaction.					
		Leighton Consulting, Inc. <small>A LEIGHTON GROUP COMPANY</small> DAILY FIELD REPORT		Received by:	
				Print:	
				Date:	

Project Name: Industry Business Center East		Project No.: 10291.005		Date: 03-23-15	Report No.: 67
Location: Grand Ave @ Baker Parkway, City of Industry Ca			Day (check one): <input checked="" type="checkbox"/> M <input type="checkbox"/> T <input type="checkbox"/> W <input type="checkbox"/> Th <input type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> Su		
Client: Successor to the Agency		Superintendent: Shaun Malganji		Weather (check one): <input type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:	
Contractor: Sukut		Foreman: Rusty		Author: Ian Tillen	
Soil Engineer: JDH		Geologist: PB		Project Manager: MG	
				Field Supervisor: MG	
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input type="checkbox"/> Post grading Other: _____					
Equipment Working: 8 x Cat 657 Scrapers, 7 x Cat 651 Scrapers, 3 x Cat D9 Track dozer, 2 x Cat D10 Push cat, 1 x Cat D10N Track Dozer, 1 x Cat Water Pull, 2 x Cat 834 Dozer, 1 x Cat 824 Dozer, 6 x water trucks			Technician	IMT	AC
			Hours	10.0	10.0
			Today's Estimated Yardage: N/A		
Summary of operations: On-site this A.M. to continue observation and testing of site mass grading operations.					
Spread 1: The contractor is utilizing 6 x 657 scrapers, 1 x D9, 1 x 824, 1 x 834, 2 water trucks, and a water pull periodically. Removals continue in C-15, placing fill to the south of C-15 in F-13. The water pull is only used when needed to catch up on moisture application.					
Spread 2: 4 x 657scrapers, 1 x 824, 1 x D9, 2 x water trucks are being used in this area. Removals are progressing into C-13 to the west of F-15. Fill is being placed to the NE of C-14 in the preiously approved removal bottom.					
Spread 3: 7 x 651 Scrapers, 2 x D10 Push Cats, 1 x D9, and 4 x water trucks are being utilized in this fill. Excavation continues from C-14, placing fill in F-12 to the north of C-14 and spreading the fill long to provide more time to mix and moisturize. Some dryer sandier material is being encountered in the cut, the water pull is being used to moisturize the cut periodically.					
Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. Failing areas were reworked and retested until the recommended compaction criteria and moisture contents were achieved					
Leighton will return tomorrow to continue testing and observation of grading operations.					
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted the area is to be reworked and retested to confirm adequate compaction.					
	Leighton Consulting, Inc. A LEIGHTON GROUP COMPANY DAILY FIELD REPORT			Received by:	
				Print:	
				Date:	

Project Name: Industry Business Center East		Project No.: 10291.005		Date: 03-24-15		Report No.: 68		
Location: Grand Ave @ Baker Parkway, City of Industry Ca				Day (check one): <input type="checkbox"/> M <input checked="" type="checkbox"/> T <input type="checkbox"/> W <input type="checkbox"/> Th <input type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> Su				
Client: Successor to the Agency		Superintendent: Shaun Malganji		Weather (check one): <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:				
Contractor: Sukut		Foreman: Rusty		Author: Ian Tillen				
Soil Engineer: JDH		Geologist: PB		Project Manager: MG		Field Supervisor: MG		
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input type="checkbox"/> Post grading Other: _____								
Equipment Working: 8 x Cat 657 Scrapers, 7 x Cat 651 Scrapers, 3 x Cat D9 Track dozer, 2 x Cat D10 Push cat, 1 x Cat D10N Track Dozer, 1 x Cat Water Pull, 2 x Cat 834 Dozer, 1 x Cat 824 Dozer, 6 x water trucks				Technician		IMT	AC	
				Hours		10.0	10.0	
				Today's Estimated Yardage: 50,000				
Summary of operations: <p>On-site this A.M. to continue observation and testing of site mass grading operations.</p> <p>Spread 1: The contractor is utilizing 4 x 657 scrapers, 1 x D9, 1 x D10, 1 x 834, 2 water trucks, and a water pull periodically. Removals have moved to C-17 in the basin area, placing fill to the south above the previously placed storm drain. Cut in this area is saturated and requires more mixing with dryer material. The contractor has adjusted equipment to compensate, adding back in the D10, and taking out 2 scrapers. Another portion of subdrain has been installed in this area as well, the location and elevation have been recorded.</p> <p>Spread 2: 4 x 657scrapers, 1 x 824, 1 x D9, 2 x water trucks are being used in this area. Removals are progressing into C-13 to the west of F-15. Fill is being placed to the NE of C-14 in the preiously approved removal bottom. Spread 2 combined with spread 3 after lunch to help finish removing a portion of the C-14 excavation.</p> <p>Spread 3: 7 x 651 Scrapers, 2 x D10 Push Cats, 1 x D9, 3 x water trucks and a water pull in the cut are being utilized in this spread. Excavation continues from C-14, placing fill in F-12 to the north of C-14 and spreading the fill long to provide more time to mix and moisturize. Some dryer sandier material is being encountered in the cut, the water pull is being used to moisturize the cut periodically. A portion of the C-14 cut has been approved after lunch today, the bottom and limits have been recorded.</p> <p>Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. Failing areas were reworked and retested until the recommended compaction criteria and moisture contents were achieved</p> <p>Leighton will return tomorrow to continue testing and observation of grading operations.</p>								
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted the area is to be reworked and retested to confirm adequate compaction.								
		Leighton Consulting, Inc. <small>A LEIGHTON GROUP COMPANY</small> DAILY FIELD REPORT				Received by:		
				Print:				
				Date:				

Project Name: Industry Business Center East		Project No.: 10291.005		Date: 03-25-15	Report No.: 69			
Location: Grand Ave @ Baker Parkway, City of Industry Ca			Day (check one): <input type="checkbox"/> M <input type="checkbox"/> T <input checked="" type="checkbox"/> W <input type="checkbox"/> T <input type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> S					
Client: Successor to the Agency	Superintendent: Shaun Malganji		Weather (check one): <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:					
Contractor: Sukut	Foreman: Rusty		Author: Ian Tillen					
Soil Engineer: JDH	Geologist: PB	Project Manager: MG		Field Supervisor: MG				
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input type="checkbox"/> Post grading Other: _____								
Equipment Working: 8 x Cat 657 Scrapers, 7 x Cat 651 Scrapers, 3 x Cat D9 Track dozer, 2 x Cat D10 Push cat, 1 x Cat D10N Track Dozer, 1 x Cat Water Pull, 2 x Cat 834 Dozer, 1 x Cat 824 Dozer, 5 x water trucks				Technician	GAR	AC		
				Hours	10.0	10.0		
				Today's Estimated Yardage: 50,000				
Summary of operations: On-site this A.M. to continue observation and testing of site mass grading operations.								
Spread 1: The contractor is utilizing 4 x 657 scrapers, 1 x D9, 1 x D10, 1 x 834, and 1 water trucks. Removals continue in C-17, placing fill along the northern border over the storm drain.								
Spread 2: 4 x 657scrapers, 1 x 824, 1 x D9, 1 x water trucks are being used in this area. Removals are progressing into C-13 to the west of F-15. Fill is being placed to the NE of C-14. Another section of subdrain has been installed and recorded today between C-14 and C-13. Another section of removals has been approved by Steve Okubo to the north of F-15.								
Spread 3: 7 x 651 Scrapers, 1 x 834, 2 x D10 Push Cats, 1 x D9, and 3x water trucks are being utilized in this fill. Excavation continues from C-14, placing fill in F-12 to the north of C-14 and spreading the fill long to provide more time to mix and moisturize. Some dryer sandier material is being encountered in the cut, the water pull is being used to moisturize the cut periodically. The section of approved bottom for C-14 has been scarified and moisture conditioned late in the afternoon in preparation for fill tomorrow AM.								
Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. Failing areas were reworked and retested until the recommended compaction criteria and moisture contents were achieved								
Leighton will return tomorrow to continue testing and observation of grading operations.								
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted the area is to be reworked and retested to confirm adequate compaction.								
		Leighton Consulting, Inc. <small>A LEIGHTON GROUP COMPANY</small> DAILY FIELD REPORT		Received by:				
				Print:				
				Date:				

Project Name: Industry Business Center East		Project No.: 10291.005		Date: 03-26-15		Report No.: 70	
Location: Grand Ave @ Baker Parkway, City of Industry Ca				Day (check one): <input type="checkbox"/> M <input type="checkbox"/> T <input type="checkbox"/> W <input checked="" type="checkbox"/> T <input type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> S			
Client: Successor to the Agency		Superintendent: Shaun Malganji		Weather (check one): <input checked="" type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:			
Contractor: Sukut		Foreman: Rusty		Author: Ian Tillen			
Soil Engineer: JDH		Geologist: PB		Project Manager: MG		Field Supervisor: MG	
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input type="checkbox"/> Post grading Other: _____							
Equipment Working: 9 x Cat 657 Scrapers, 7 x Cat 651 Scrapers, 2 x Cat D9 Track dozer, 2 x Cat D10 Push cat, 2 x Cat 834 Dozer, 1 x Cat 824 Dozer, 5 x water trucks, 1 x water pull				Technician	IMT	AC	
				Hours	10.0	10.0	
				Today's Estimated Yardage: N/A			
Summary of operations: On-site this A.M. to continue observation and testing of site mass grading operations. Spread 1: Spread 1 and 2 have been combined to fill in the approved C-14 removal area, utilizing 9 x 657 scrapers, 1 D9, 2 x water trucks, 1 x 824, and 1 x 834. Removals are progressing south of C-13, creating a longer haul route and a slower fill process. Spread 3 (now spread 2): 7 x 651 Scrapers, 1 x 834, 2 x D10 Push Cats, 1 x D9, and 3x water trucks are being utilized in this fill. Excavation continues from the remainder of C-14, placing fill in F-12 to the north of C-14 and spreading the fill long to provide more time to mix and moisturize. Some dryer sandler material is being encountered in the cut, the water pull is being used to moisturize the cut periodically. The fill has been moved to F-13 late in the afternoon, utilizing the water pull the moisture condition the area in preparation for fill, as well as benching into the sidewalls with the D9. Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. Failing areas were reworked and retested until the recommended compaction criteria and moisture contents were achieved. Leighton will return tomorrow to continue testing and observation of grading operations.							
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted the area is to be reworked and retested to confirm adequate compaction.							
		Leighton Consulting, Inc. <small>A LEIGHTON GROUP COMPANY</small> DAILY FIELD REPORT				Received by:	
						Print:	
						Date:	

Project Name: Industry Business Center East		Project No.: 10291.005		Date: 03-27-15	Report No.: 71
Location: Grand Ave @ Baker Parkway, City of Industry Ca			Day (check one): <input type="checkbox"/> M <input type="checkbox"/> T <input type="checkbox"/> W <input type="checkbox"/> Th <input checked="" type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> Su		
Client: Successor to the Agency	Superintendent: Shaun Malganji		Weather (check one): <input type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:		
Contractor: Sukut	Foreman: Rusty		Author: Ian Tillen		
Soil Engineer: JDH	Geologist: PB	Project Manager: MG		Field Supervisor: MG	
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input type="checkbox"/> Post grading Other: _____					
Equipment Working: 9 x Cat 657 Scrapers, 7 x Cat 651 Scrapers, 2 x Cat D9 Track dozer, 2 x Cat D10 Push cat, 2 x Cat 834 Dozer, 1 x Cat 824 Dozer, 5 x water trucks,			Technician	IMT	AC
			Hours	10.0	10.0
			Today's Estimated Yardage: 45,000		
Summary of operations: <p>On-site this A.M. to continue observation and testing of site mass grading operations.</p> <p>Spread 1: Removals continue into the canyons south of C-13 and C-12, continuing to place fill in the approved C-14 removal area, utilizing 9 x 657 scrapers, 1 D9, 2 x water trucks, 1 x 824, and 1 x 834.</p> <p>Spread 2: 7 x 651 Scrapers, 1 x 834, 2 x D10 Push Cats, 1 x D9, and 3x water trucks are being utilized in this fill. Excavation continues from the remainder of C-14, placing fill in F-13 to the north of C-14 and spreading the fill long to provide more time to mix and moisturize.</p> <p>Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. Failing areas were reworked and retested until the recommended compaction criteria and moisture contents were achieved</p> <p>Leighton will return tomorrow to continue testing and observation of grading operations.</p>					
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted the area is to be reworked and retested to confirm adequate compaction.					
		Leighton Consulting, Inc. <small>a LEIGHTON GROUP COMPANY</small> DAILY FIELD REPORT		Received by:	
				Print:	
				Date:	

Project Name: Industry Business Center East		Project No.: 10291.005		Date: 03-30-15		Report No.: 72					
Location: Grand Ave @ Baker Parkway, City of Industry Ca				Day (check one): <input checked="" type="checkbox"/> M <input type="checkbox"/> T <input type="checkbox"/> W <input type="checkbox"/> Th <input type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> Su							
Client: Successor to the Agency		Superintendent: Shaun Malganji		Weather (check one): <input type="checkbox"/> Sunny <input type="checkbox"/> Overcast <input type="checkbox"/> Rainy Other:							
Contractor: Sukut		Foreman: Rusty		Author: Ian Tillen							
Soil Engineer: JDH		Geologist: PB		Project Manager: MG		Field Supervisor: MG					
Observation/Testing of: <input checked="" type="checkbox"/> Mass Grading <input type="checkbox"/> Precise Grading <input type="checkbox"/> Post grading Other: _____											
Equipment Working: 8 x Cat 657 Scrapers, 7 x Cat 651 Scrapers, 3 x Cat D9 Track dozer, 2 x Cat D10 Push cat, 1 x Cat D10N Track Dozer, 1 x Cat Water Pull, 1 x Cat 834 Dozer, 1 x Cat 824 Dozer, 5 x water trucks				Technician		IMT		AC			
				Hours		10.0		10.0			
				Today's Estimated Yardage: 45,000							
Summary of operations: <p>On-site this A.M. to continue observation and testing of site mass grading operations.</p> <p>Spread 1: 4 x 657 scrapers, 1 D9, 2 x water trucks, 1 x 824, and 1 x D10. The contractor is back to 3 spreads today. Removals continue in the north basin area C-17, placing fill over the storm drain area. The water pull is being used in this area periodically.</p> <p>Spread 2: The contractor is utilizing 4 x 657 scrapers, 2 water trucks, 1 x 824, and 1 x D9. Fill is being cut from F-10 and C-11 area, placing fill in F-10 in the previously approved OX bottom. The contractor continues removals toward the south.</p> <p>Spread 3: 7 x 651 Scrapers, 1 x 834, 2 x D10 Push Cats, 1 x D9, and 3x water trucks are being utilized in this fill. Excavation of C-14 has completed and cut has moved to C-13. Fill is being placed in F-12 and F-13 to the north of C-14 and spreading the fill long to provide more time to mix and moisturize.</p> <p>Compaction was achieved by wheel rolling with heavy equipment. In fill areas deeper than 30 feet, a minimum of 95% relative compaction criteria was used. Areas tested today met 95% minimum relative compaction, with moisture contents above optimum. Failing areas were reworked and retested until the recommended compaction criteria and moisture contents were achieved</p> <p>Leighton will return tomorrow to continue testing and observation of grading operations.</p>											
Compaction tests, where and when tested, indicated adequate compaction. If not adequately compacted the area is to be reworked and retested to confirm adequate compaction.											
		Leighton Consulting, Inc. <small>A LEIGHTON GROUP COMPANY</small> DAILY FIELD REPORT				Received by:					
				Print:							
				Date:							

Conducted in Cut- 14 In-Situ Moisture Content Test Summary

Date	Elevation (ft.)	Soil Type	Lithology of Tested Area	Optimum Moisture Content (%)	Field Moisture Content (%)
3/11/2015	Approx. 680	G	Silty Sandstone	17.5	10.8
3/11/2015	Approx. 680	I	Siltstone	28.3	32.9
3/11/2015	Approx. 680	G	Silty Siltstone	17.5	9.8
3/11/2015	Approx. 680	M	Sandstone	16.0	8.9
3/11/2015	Approx. 680	I	Siltstone	28.3	25.3
3/11/2015	Approx. 680	I	Siltstone	28.3	27.7
3/11/2015	Approx. 680	G	Silty Sandstone	17.5	10.6
3/12/2015	686.0	I	Siltstone	28.3	32.0
3/12/2015	686.0	M	Sandstone	16.0	9.0
3/12/2015	686.0	M	Sandstone	16.0	9.3
3/13/2015	No Data	G	Silty Sandstone	17.5	8.9
3/13/2015	No Data	G	Silty Sandstone	17.5	9.1
3/13/2015	No Data	I	Siltstone	28.3	26.3
3/16/2015	No Data	G	Silty Sandstone	17.5	10.2
3/16/2015	No Data	I	Siltstone	28.3	30.1
3/16/2015	No Data	I	Siltstone	28.3	28.0
3/17/2015	No Data	G	Silty Sandstone	17.5	8.6
3/17/2015	No Data	G	Silty Sandstone	17.5	9.4
3/17/2015	No Data	I	Siltstone	28.3	25.9

GEOTECHNICAL BORING LOG BA-26

Date 2-15-06 Sheet 3 of 3
 Project IUDA-Industry Business Center-East Project No. 601180-001
 Drilling Co. Big Johnny's Drilling Type of Rig Bucket Auger
 Hole Diameter 24" Drive Weight 0-25' 2500#; 25-45' 1500#; 45-70' 750#; 70-80' 1500# Drop 12"
 Elevation Top of Hole 742' Location East of Grand Ave.

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pct	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
									Logged By <u>Kay St. Peters</u> Sampled By <u>Kay St. Peters</u>	
60		N S		R-3	21				@ 60' (drive sample) SANDSTONE; fine to medium grained, light gray to yellowish brown, damp, dense, friable @ 61½' is a 1" wavy layer of SILTSTONE below SILTSTONE is light brown SANDSTONE to the bottom of the boring	
680		@ 61½' B: N30°W, 12°NE							Total depth drilled = 70' Total depth sampled = 60' Downhole logged to 68' No ground water encountered Backfilled with soil cuttings on 2/15/2006 Note: In this boring the siltstone is generally non-clayey and unshattered with no discrete clay seams. Bedding throughout boring is consistent and continuous around the boring and generally tight except for localized fracture zones as noted.	
675										
70										
75										
665										
80										
660										
85										
655										
90										

PILE TYPES:
 SPLIT SPOON
 R RING SAMPLE
 B BULK SAMPLE
 T TUBE SAMPLE

TYPE OF TESTS:
 -200 SIEVE WASH
 DS DIRECT SHEAR
 MD MAXIMUM DENSITY
 CN CONSOLIDATION
 Col COLLAPSE

CR CORROSION
 SA SIEVE ANALYSIS
 AL ATTERBERG LIMITS
 SE SAND EQUIVALENT
 EI EXPANSION INDEX
 RV R-VALUE



LEIGHTON

Estimated percentage volume of sandstone and siltstone in Sukut's Cut # 14

3/10/2015

Data interpreted from BA-26

<u>Top depth (ft.)</u>	<u>Top elev. (ft.)</u>	<u>Bottom depth (ft.)</u>	<u>Bottom elev. (ft.)</u>	<u>Sandstone fraction</u>	<u>Siltstone fraction</u>	<u>Sandstone unit depth</u>	<u>Siltstone unit depth</u>
1	741	5	737	1	0	4	0
5	737	10	732	0.5	0.5	2.5	2.5
10	732	12	730	1	0	2	0
12	730	20	722	0.7	0.3	5.6	2.4
20	722	35	707	0.25	0.75	3.75	11.25
35	707	41	701	0.5	0.5	3	3
41	701	44	698	1	0	3	0
44	698	44.5	697.5	0	1	0	0.5
44.5	697.5	46	696	1	0	1.5	0
46	696	48	694	0.5	0.5	1	1
48	694	56	686	1	0	8	0
56	686	58	684	0.5	0.5	1	1
58	684	67	675	1	0	9	0
Total Unit Depths						44.35	21.65
Est. Percentage Volume						67.2%	32.8%

have negligible sulfate exposure (CBC, 2007 edition, Chapter 19; and ACI, 2005, Chapter 4).

As a preliminary screening, soil samples were tested for soluble sulfate content. The result of these tests indicated sulfate contents of less than 0.10 percent by weight, indicating negligible sulfate exposure. As such, the soils exposed at pad grade are not expected to pose a significant potential for sulfate reaction with concrete. Additional testing will need to be conducted at the completion of rough grading to verify these preliminary results.

Resistivity, Chloride and pH

Soil corrosivity to ferrous metals can be estimated by electrical resistivity, chloride content, and pH. In general, soil having a minimum resistivity less than 2,000 ohm-cm is considered corrosive. Soil with a chloride content of 500 parts-per-million (ppm) or more is considered corrosive to ferrous metals.

Based on the results of laboratory tests intended as a preliminary screening, the soils onsite exhibit a minimum resistivity between 1,700 and 5,300 ohm-cm, with pH ranging from 6.7 to 8.4 and chloride contents ranging from 200 to 2,100 ppm, indicating that they are severely corrosive to ferrous metals. Special measures to resist corrosion potential of ferrous metal will be required as will additional testing and evaluation.

2.14 Rippability and Oversize Materials

The bedrock materials onsite should generally be rippable using conventional heavy equipment in good working condition and modern earthmoving methods. Very hard cemented layers of siltstone and sandstone were observed in several borings onsite. Cemented layers will be encountered during grading of the subject site. While blasting of this material is not expected to be required, oversized material will be generated and will require special handling and placement in deeper fills. Oversized material is defined as rock, or rock fragments, greater than 12 inches in any dimension.





March 5, 2015



March 9, 2015



March 9, 2015



March 9, 2015



March 9, 2015



March 9, 2015



March 11, 2015



March 13, 2015



March 16, 2015

SUCCESSOR AGENCY

ITEM NO. 5.7



SUCCESSOR AGENCY TO THE
INDUSTRY URBAN - DEVELOPMENT AGENCY

MEMORANDUM

TO: Successor Agency Board Members

FROM: John Ballas *JB*

DATE: June 16, 2015

RE: Industry Business Center Phase East Side Mass Grading; Line Item No.271, a component of Line Item No. 217 on the Recognized Obligation Payment Schedule

Change Order No. 3 – Back cut slope failure underneath proposed recycled water reservoir located in the northerly portion of site, removal of slide and construction of Buttress fill.

Over the weekend of May 1-4, 2015, a portion of the hillside being cut during the construction of a buttress fill, started to slide and was discovered Monday morning. The area of the slide is in the vicinity of a proposed 2 million gallon recycled water reservoir that Walnut Valley Water District will construct located in the northerly portion of the site near the Diamond Bar neighborhood. The original construction plans specified that a buttress be constructed along the westerly side of the reservoir. In addition, there was an existing ancient landslide that needed to be fully removed. The attached maps show the location of the buttress and ancient landslide.

Attached is a report by the project geologist, Leighton Associates, recommending that the slide be initially removed with a 1.5 to 1 back cut and once below the ancient slide, a less inclination of 1 to 3 cut until all of the slide is removed. (See side view photograph). It is also recommended that the proposed buttress fill be extended northeasterly with additional slope benches to prevent any further ground settlement or slides.

The estimated amount of earth material to be removed is 250,000 cubic yards. The general contractor, Sukut Construction, has been directed to perform the removal of the slide under a time and material basis. The total estimated cost for the repair and subsequent construction of a buttress fill is \$1,600,000 to be paid upon a time and material basis.

Therefore, staff hereby recommends approval of Change Order No. 3 in the estimated amount of \$1,600,000 to be paid on a time and material basis of actual hours for both labor and equipment according to the rates listed on the attached worksheet by Sukut Construction. It is staff's recommendation that this Change Order also be presented to the Oversight Board for their approval of the actions taken by the Successor Agency.

Change Order Request
Industry Business Center East Side Mass Grading

CHANGE ORDER REQUEST NUMBER:	
DATE WORK COMPLETED	

SUKUT COR WORKSHEET NUMBER	
SUKUT JOB NUMBER	1158

DESCRIPTION OF WORK	Estimated labor and equipment costs for 250 hours of extra work during slide removal.
---------------------	---

EQUIPMENT								
MODEL	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	RATE	AMOUNT OT	TOTAL AMOUNT
CAT 657 SCRAPER	6.00	200.00	\$ 581.93	\$ 698,316.00	50.0	\$ 517.92	\$ 155,375.31	\$ 853,691.31
CAT 651 SCRAPER	0.00	0.00	\$ 305.39	\$ -	0.0	\$ 271.80	\$ -	\$ -
CAT 637 SCRAPER	0.00	0.00	\$ 403.88	\$ -	0.0	\$ 359.45	\$ -	\$ -
CAT D5 DOZER	0.00	0.00	\$ 79.96	\$ -	0.0	\$ 71.16	\$ -	\$ -
CAT D8 DOZER	0.00	0.00	\$ 213.47	\$ -	0.0	\$ 189.99	\$ -	\$ -
CAT D9 DOZER	1.00	200.00	\$ 291.14	\$ 58,228.00	50.0	\$ 259.11	\$ 12,955.73	\$ 71,183.73
CAT D10 DOZER	0.00	0.00	\$ 440.64	\$ -	0.0	\$ 392.17	\$ -	\$ -
CAT D10N PUSH DOZER	0.00	0.00	\$ 357.09	\$ -	0.0	\$ 317.81	\$ -	\$ -
CAT D11 DOZER	0.00	0.00	\$ 556.51	\$ -	0.0	\$ 495.29	\$ -	\$ -
CAT 824 COMPACTOR	0.00	0.00	\$ 235.80	\$ -	0.0	\$ 209.86	\$ -	\$ -
CAT 834 COMPACTOR	1.00	200.00	\$ 354.85	\$ 70,970.00	50.0	\$ 315.82	\$ 15,790.83	\$ 86,760.83
4000 GALLON WATER TRUCK	4.00	200.00	\$ 57.54	\$ 46,032.00	50.0	\$ 51.21	\$ 10,242.12	\$ 56,274.12
PICK UP TRUCK	2.00	200.00	\$ 21.78	\$ 8,712.00	50.0	\$ 19.38	\$ 1,938.42	\$ 10,650.42
TOTAL EQUIPMENT COSTS								\$ 1,078,560.41

LABOR								
JOB CLASSIFICATION	QTY	HRS ST	RATE	AMOUNT ST	HRS OT	OT RATE	AMOUNT OT	TOTAL AMOUNT
FOREMAN	1.00	250.0	\$ 110.00	\$ 27,500.00	50.0	\$ 28.00	\$ 1,400.00	\$ 28,900.00
GRADE CHECKER	1.00	250.0	\$ 105.00	\$ 26,250.00	50.0	\$ 28.00	\$ 1,400.00	\$ 27,650.00
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -
LABORER	0.00	0.0	\$ 67.00	\$ -	0.0	\$ 20.00	\$ -	\$ -
OPERATOR - 657	6.00	250.0	\$ 91.00	\$ 136,500.00	50.0	\$ 28.00	\$ 8,400.00	\$ 144,900.00
OPERATOR - 651	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -
OPERATOR - 637	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D5	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D8	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D9	1.00	250.0	\$ 91.00	\$ 22,750.00	50.0	\$ 28.00	\$ 1,400.00	\$ 24,150.00
OPERATOR - D10	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - D10N PUSH DOZER	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 29.00	\$ -	\$ -
OPERATOR - D11	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 824	0.00	0.0	\$ 91.00	\$ -	0.0	\$ 28.00	\$ -	\$ -
OPERATOR - 834	1.00	250.0	\$ 91.00	\$ 22,750.00	50.0	\$ 29.00	\$ 1,450.00	\$ 24,200.00
OPERATOR - WATER TRUCK	4.00	250.0	\$ 73.00	\$ 73,000.00	50.0	\$ 20.00	\$ 4,000.00	\$ 77,000.00
TOTAL LABOR COSTS				\$ -			\$ -	\$ 326,800.00

MATERIAL LUMP SUM OR UNIT PRICE PAYMENTS					
DESCRIPTION			QTY	UNIT COST	TOTAL
					\$ -
TOTAL MATERIAL COSTS					\$ -

SUKUT SUBCONTRACTOR COSTS						
DESCRIPTION	INVOICE NO.	DATE	VENDOR	UNITS	UNIT COST	TOTAL
						\$ -
TOTAL COSTS						\$ -

TOTAL COST SUMMARY, STANDARD MARK-UPS AND SUBCONTRACTOR MARK-UP				
DESCRIPTION	TOTAL COST	% MARK UP	AMOUNT MARK UP	TOTAL
TOTAL COST FOR EQUIPMENT	\$ 1,078,560.41	15.00%	\$ 161,784.06	\$ 1,240,344.47
TOTAL COST FOR LABORERS AND OPERATORS	\$ 326,800.00	0.00%	\$ -	\$ 326,800.00
TOTAL TAX ON MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR MATERIALS	\$ -	0.00%	\$ -	\$ -
TOTAL COST FOR SUBCONTRACTOR	\$ -	0.00%	\$ -	\$ -
TOTAL FOR THIS CHANGE ORDER				\$ 1,567,144.47
BOND COST ADD (1% OF Total)				\$ 15,671.44
GRAND TOTAL OF THIS CHANGE ORDER REQUEST				\$ 1,582,815.91



SUCCESSOR AGENCY TO THE
INDUSTRY URBAN - DEVELOPMENT AGENCY

June 9, 2015

Sukut Construction, LLC
4010 W. Chandler Avenue
Santa Ana, CA 92704

Attention: Bryan Nesthus

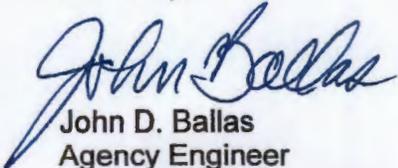
Reference: Contract No. IBC-0380
Industry Business Center East Side Mass Grading
Directive to Proceed with Slide Removal

Gentlemen:

You are hereby directed to proceed on a time and material basis for removal of the slide in accordance to Section 3-3, Extra Work, of the latest edition of the Standard Specifications for Public Works Construction. Costs to replace material in the slide area will be negotiated upon completion of the slide removal. Material removed from the slide may be used to construct the surcharge.

If you have any questions, please call me at (626) 333-2211.

Sincerely,



John D. Ballas
Agency Engineer

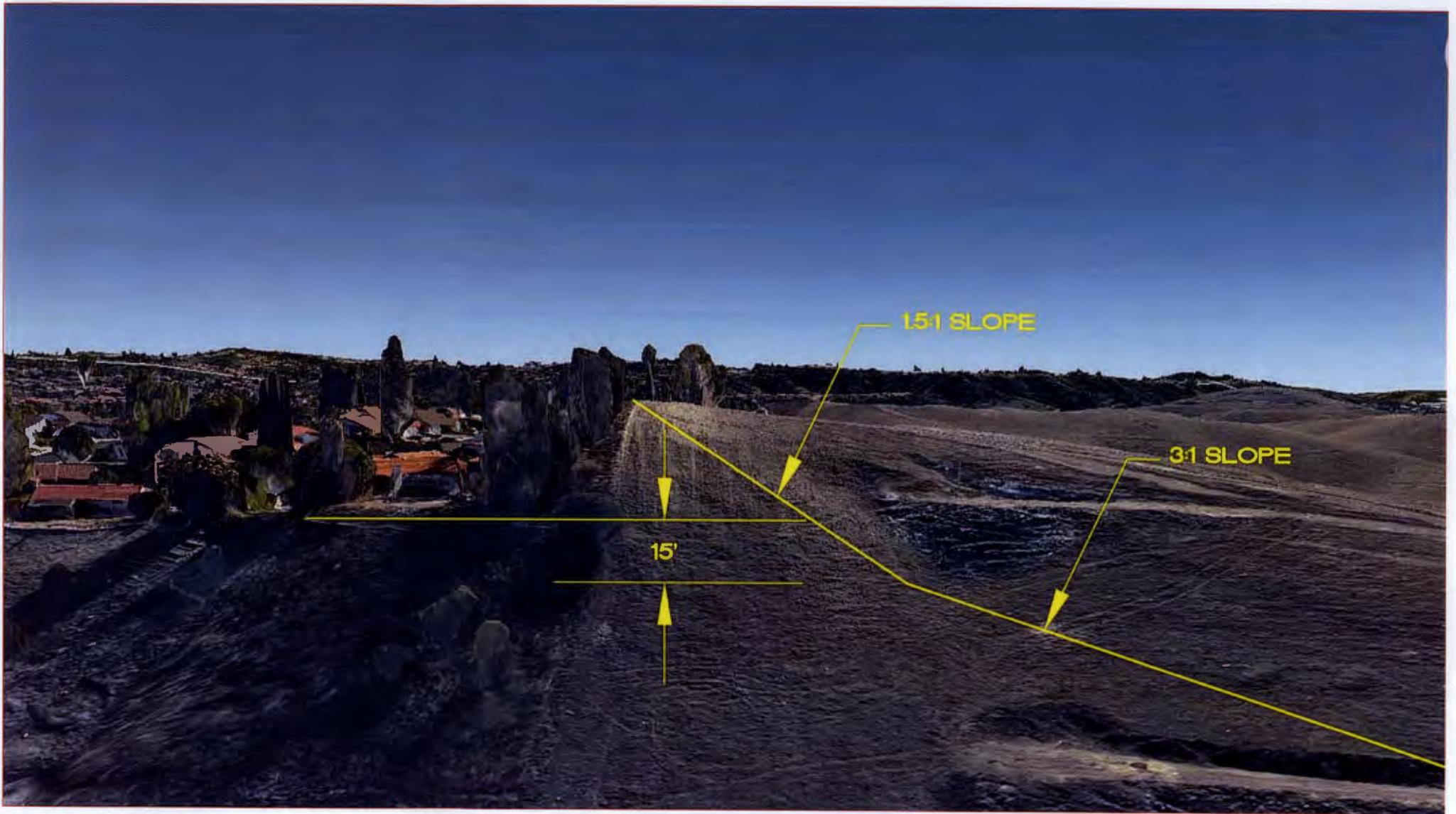
JDB/rg

c: Clement N. Calvillo
Gerardo Perez
Shaun Malganji
Josh Nelson

IBC-0380 - Letter - Directive to Proceed with T&M - Slide - G. Perez



SLIDE AREA (NORTH)



15:1 SLOPE

3:1 SLOPE

15'

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May 27, 2015

Project No. 10291.005

To: Successor Agency to the Industry Urban-Development Agency
15625 East Stafford Street, #100
Industry, California 91744

Attention: Mr. John D. Ballas, Agency Engineer

Subject: Discussion of Backcut Slope Failure (Slide 2) Mitigation, Industry Business Center East Side Mass Grading, Contract No. IBC-0380, City of Industry, California

In response to your request, Leighton Consulting, Inc. (Leighton) has prepared this letter addressing the failure and recommended mitigation of the slope replacement fill backcut failure (Slide 2) which occurred during rough grading of the proposed Industry Business Center (IBC) East Side (Contract No. IBC-0380) in the City of Industry, California. The slope is located in the northern portion of the site adjacent to the eastern boundary and below the planned water reservoir. Rough grading of the site has been conducted in accordance with Revision #9 of the "Industry Business Center East Side Mass Grading" plan dated March 28, 2015 as well as Leighton's geotechnical reports regarding grading of the IBC East (Leighton, 2008, 2011, 2014).

Previous Geotechnical Studies

Leighton has conducted numerous studies relating to the rough grading of the site. In 2007, we investigated the subsurface conditions onsite to characterize the engineering properties of the soil and bedrock materials and evaluate the feasibility of the concept grading design. In 2008, Leighton conducted an additional subsurface investigation to evaluate the geologic and geotechnical conditions as a part of the grading concept for the Los Angeles/Ridgeline Stadium project. Subsequent design changes that included

the rough grading design for the Industry Business Center were made and Leighton conducted limited geotechnical reviews of these plans in 2010 and 2011. Leighton also conducted a limited geotechnical review of the rough grading plan in 2014, just prior to the start of current rough grading operations.

The design of the subject slope is a cut into a west-facing hillside. A water reservoir tank is proposed at the top of the design cut slope near the IBC East Side eastern property line. Based on past subsurface investigations, the structure of the bedrock was anticipated to dip into the design cut slope. Based on our analysis, Leighton recommended construction of a 40-foot-wide stability fill founded in a 10-foot-deep key to improve surficial stability of the design cut slope. This included the excavation of a buttress backcut slope at a gradient of approximately 2:1 (horizontal:vertical). Slope stability analysis indicated that this backcut slope would be stable considering the engineering properties of the bedrock materials, the geometry of the bedrock structure, and past grading experience in the Puente Formation near the IBC East Side site.

Slide 2 Failure

Informally called "Slide 1," the first slope failure occurred onsite during rough grading as remedial removals were being conducted at the toe of landslide QIs 3 on March 6, 2015. This ancient landslide was initially identified during our subsurface investigation in 2008, and this landslide debris was recommended to be completely removed during rough grading (Leighton, 2008 and 2014). As of today, all of the debris from QIs 3 (Slide 1) has been removed.

The subject slope failure, Slide 2, encompasses the majority of the back-cut excavation created to stabilize the design slope northwest of and below the planned water reservoir. The slope failure also extends into the natural slope area north of the reservoir. Excavation of the backcut and key for the slope below the planned reservoir began in March 2015. Geologic mapping of the conditions exposed on the slope was conducted as grading continued. The geologic conditions were generally as expected with bedrock bedding planes dipping into slope and obliquely into and out of slope. The bedrock was mapped as being generally continuous with no significant shear surfaces observed. Excavation of the backcut continued until construction of the recommended 40-foot-wide by 10-foot-deep key for this portion of the slope was completed. The key was completed in the early afternoon of Friday, May 1, and refilling of the key progressed until the end of the normal work day. At that time, several feet of fill had been placed in the key.

Slide 2 occurred sometime over the weekend and by Monday, May 4, Slide 2 had moved northwest approximately 2 to 3 feet based on exposures in the key and at the top of the slope. Upon discovering that the backcut had dislocated, approximately 25 feet of uncompacted fill was immediately placed at the toe of the failure to help reduce additional movement.

However, Slide 2 continued to shift, especially during periods of rain on May 8, 14 and 15. In response, additional fill was placed at the toe of the slide. Currently, the slope continues to shift but in general, significant movement has stopped.

Three large-diameter borings were excavated on May 11 and 12 to further evaluate the site conditions and the nature of the failure. BA-RG-3 and BA-RG-5 were excavated into the slide, and BA-RG-4 was excavated through a previously mapped landslide north of the failure in an area where additional remedial grading is recommended. BA-RG-4 was downhole logged to observe the geologic conditions. Due to safety concerns, BA-RG-3 and BA-RG-5 could not be downhole logged, as Slide 2 continued to move. However, we were able to observe and measure the depth and direction of slide movement in the borings, and this information was used to aid our interpretation of the failure conditions.

Based on our analysis, Slide 2 is a wedge that failed roughly along bedding but oblique to the direction of dip. It is likely that the failure occurred across several bedding layers and not a single continuous clay or bedding surface. The failure was facilitated by a previously unidentified, steeply southwest-dipping shear surface at the top of the slope. The shear was not identified in previous borings drilled onsite nor in our mapping of the backcut during rough grading. The direction of failure is to the northwest toward the northern end of the recommended key.

The limits of Slide 2 and general geologic conditions in the slope area are illustrated on the Geotechnical Map (Figure 1) and on Cross-Sections EE-EE', FF-FF' and GG-GG' (Figures 2 through 4).

Recommended Mitigation

We recommend that Slide 2 be removed and the area reconstructed with compacted fill. Removal operations should begin with excavation of a slope at the eastern property line. The slope should vary in inclination from 1.5:1 to 2:1 (horizontal to vertical) and should be excavated to an elevation of about 790 feet above mean sea level (msl) or about 10 to 15 feet below the grade of the offsite residential building pads. Three slope

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inclinometers should be installed at the base of the slope to aid in monitoring future slope movement. After installation of the inclinometers, excavation should continue to the bottom (rupture surface) of Slide 2 at an estimated elevation of about 770 feet msl. Removal of Slide 2 should then be conducted, roughly matching the base of the failure (approximate inclination of 3:1 to 3.5:1 or flatter).

In the area of failure, the slope should be stabilized by construction of 125-foot-wide stability buttress founded in a 17-foot-deep key (increased from the original design of 40 feet wide by 10 feet deep).

We also recommend that a fill slope be designed for the natural slope area north of Slide 2. Fill placement in this area will be required to replace the portion of the Slide 2 that failed in the natural area and will aid in improving stability of the natural slope.

Cross-sections EE-EE', FF-FF' and GG-GG;' drawn through the slide show the expected subsurface conditions as well as the expected post-removal conditions. Slope stability analysis for the backcut immediately before failure, reconstructed slope and temporary backcut is provided. Of the three cross-sections, FF-FF' and GG-GG' best depict the conditions of the temporary backcut once the Slide 2 debris has been removed. Based on our conservative analysis (assuming a directly out-of-slope condition for the entire slope) the backcut of the buttress and keyway depicted in Cross-sections FF-FF' and GG-GG' has a factor of safety of approximately 1.20, which is acceptable for a temporary backcut slope.

However, the removal area/temporary backcut through ancient landslide debris Qls1 depicted in cross-section EE-EE' has a factor of safety less than 1.25. Removals in the Qls1 debris should be excavated at a gradient of 2:1 from the top limits of the Qls1 landslide until the slide plane is reached. Removals should continue along the Qls1 slide plane until a 2:1 projection to the heel of the proposed 50-foot wide by 10-foot deep keyway is reached (see attached Cross-section EE-EE'). Should Qls1 fail during excavation, the debris should be removed, and the excavation into the Qls1 debris should be flattened until the temporary excavation remains stable.

This analysis includes a potential failure onto the offsite slope descending to the residences. Our analysis indicates that failure to the actual building pad is very unlikely.

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Closure

This study and our previous studies for the Industry Business Center are based on limited geotechnical reviews of the conceptual grading plans. As the project proceeds, more detailed studies may be required, including detailed analysis of future slope design.

This letter presents a summary of our evaluation of the replacement fill backcut failure during the Industry Business Center East Side rough grading. Our previous reports (Leighton Consulting, 2008 and 2014) should be reviewed for more detail regarding the geologic conditions in this area and the remainder of the Industry Business Center development.

We appreciate the opportunity to provide our services to the City of Industry on this project. If you have any questions, please call us at your convenience.

Respectfully submitted,

LEIGHTON CONSULTING, INC.

Philip A. Buchiarelli, CEG 1715
Principal Geologist

SGO/PB/rsm

Attachments: References
Figure 1 - Geotechnical Map
Figure 2- Cross Section EE-EE'
Figure 3 - Cross Section FF-FF'
Figure 4 - Cross Section GG-GG'
Boring Logs
Slope Stability Analysis

Distribution: (1) Addressee

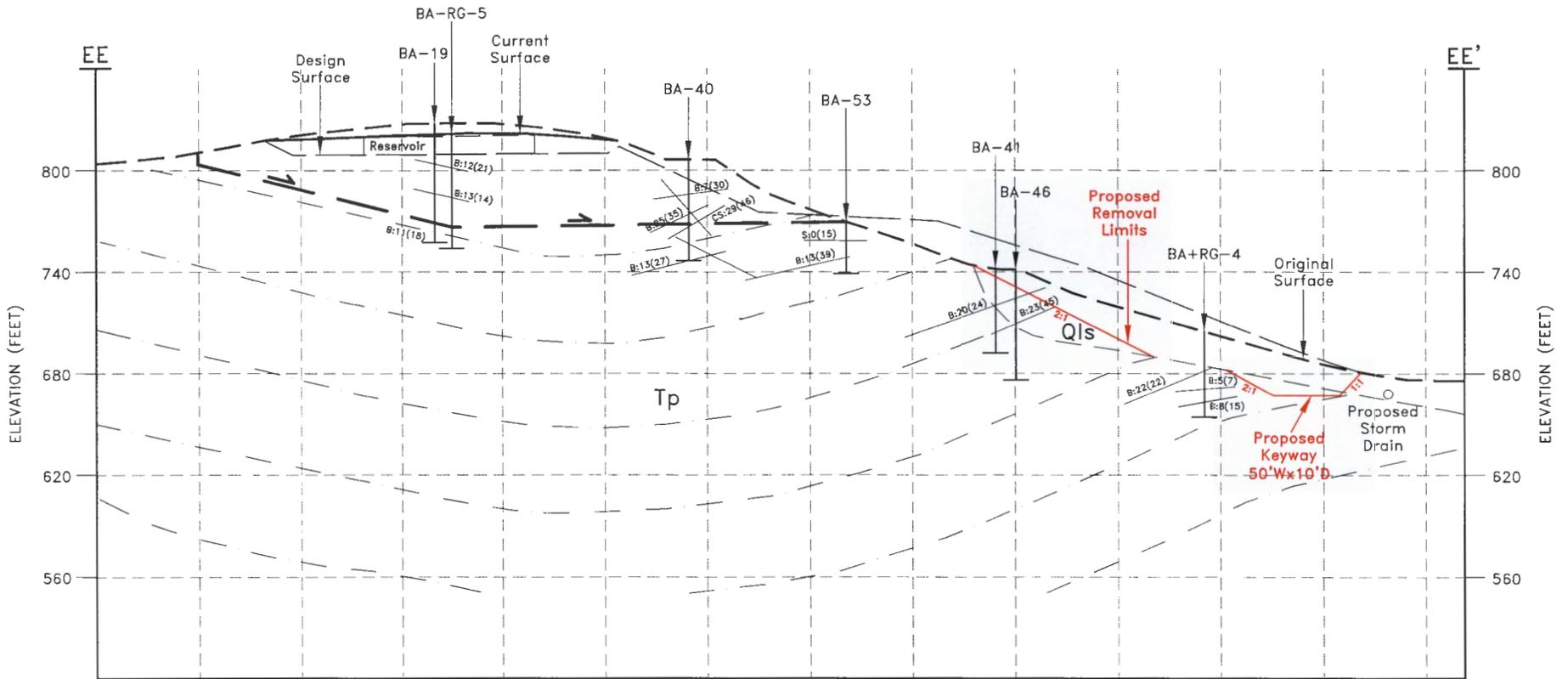
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REFERENCES

- Leighton Consulting, Inc., 2007, Report of Geotechnical Conditions for Use in Development Planning, Eastern Portion of the Proposed Industry Business Center, East of Grand Avenue, North of State Route 60/57, City of Industry, California, Project No. 601180-002, dated October, 31, 2007.
- _____, 2008, Preliminary Design-Level Geotechnical Report, Proposed Los Angeles/Ridgeline Stadium Eastside Parking Area, East of Grand Avenue, North of State Routes 60/57, City of Industry, California, Project No. 602121-003, dated August 28, 2008.
- _____, 2010, Limited Geotechnical Review of the Conceptual Grading Plans, Industry Business Center, East and West of Grand Avenue, North of State Routes 57/60, City of Industry, California, Project No. 602121-005, dated September 21, 2010.
- _____, 2011, Limited Geotechnical Review of the Conceptual Grading Plans, Outlet Retail Option, Industry Business Center, East Side of Grand Avenue, North of State Routes 57/60, City of Industry, California, Project No. 602121-005, dated December 13, 2011.
- _____, 2014, Geotechnical Review of Rough Grading Plans, Industry Business Center East Side, Improvement Project No. 380, East of Grand Avenue, North of State Routes 57/60, City of Industry, California, Project No. 10291-005, dated October 28, 2014.

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Proj: 10291.005 Eng/Geol: MG
Scale: 1"=60' Date: 05/2015
Reference:

CROSS SECTION EE-EE'

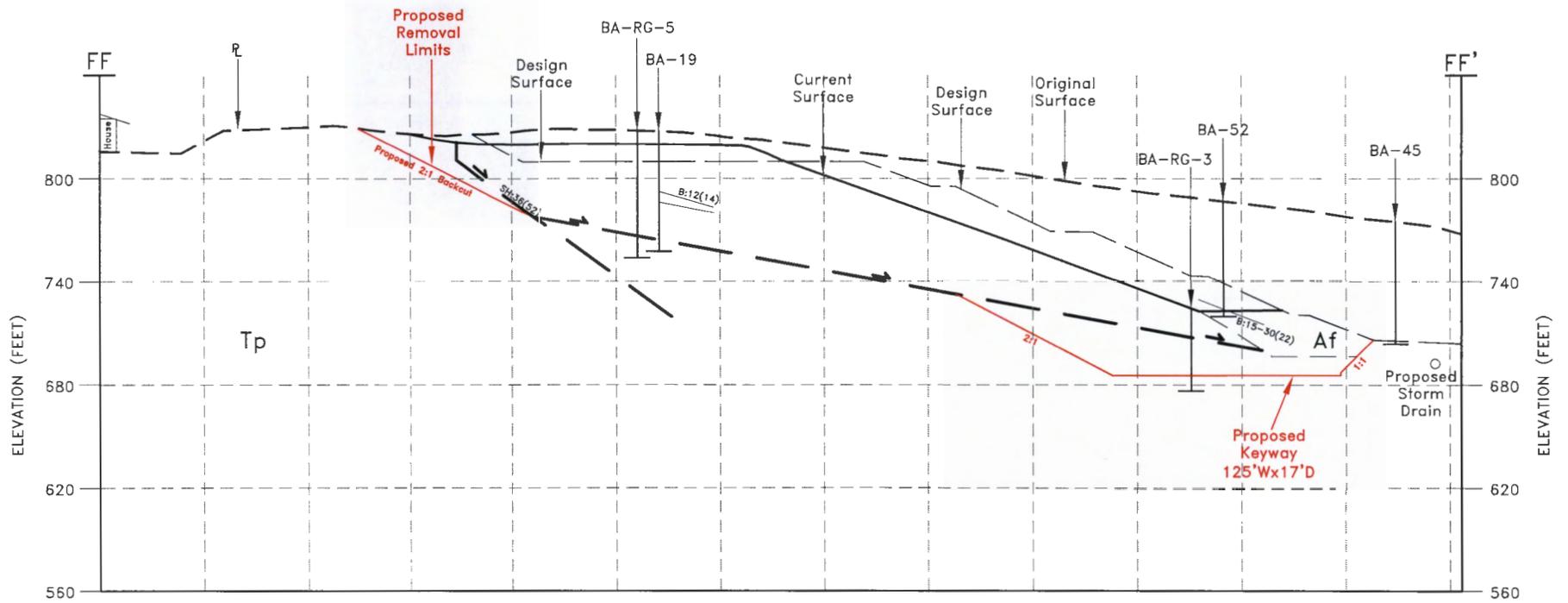
Industry Business Center East Side
Rough Grading
City of Industry, California

Figure 2



Leighton

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Proj: 10291.005	Eng/Geol: MG
Scale: 1"=60'	Date: 05/2015
Reference:	

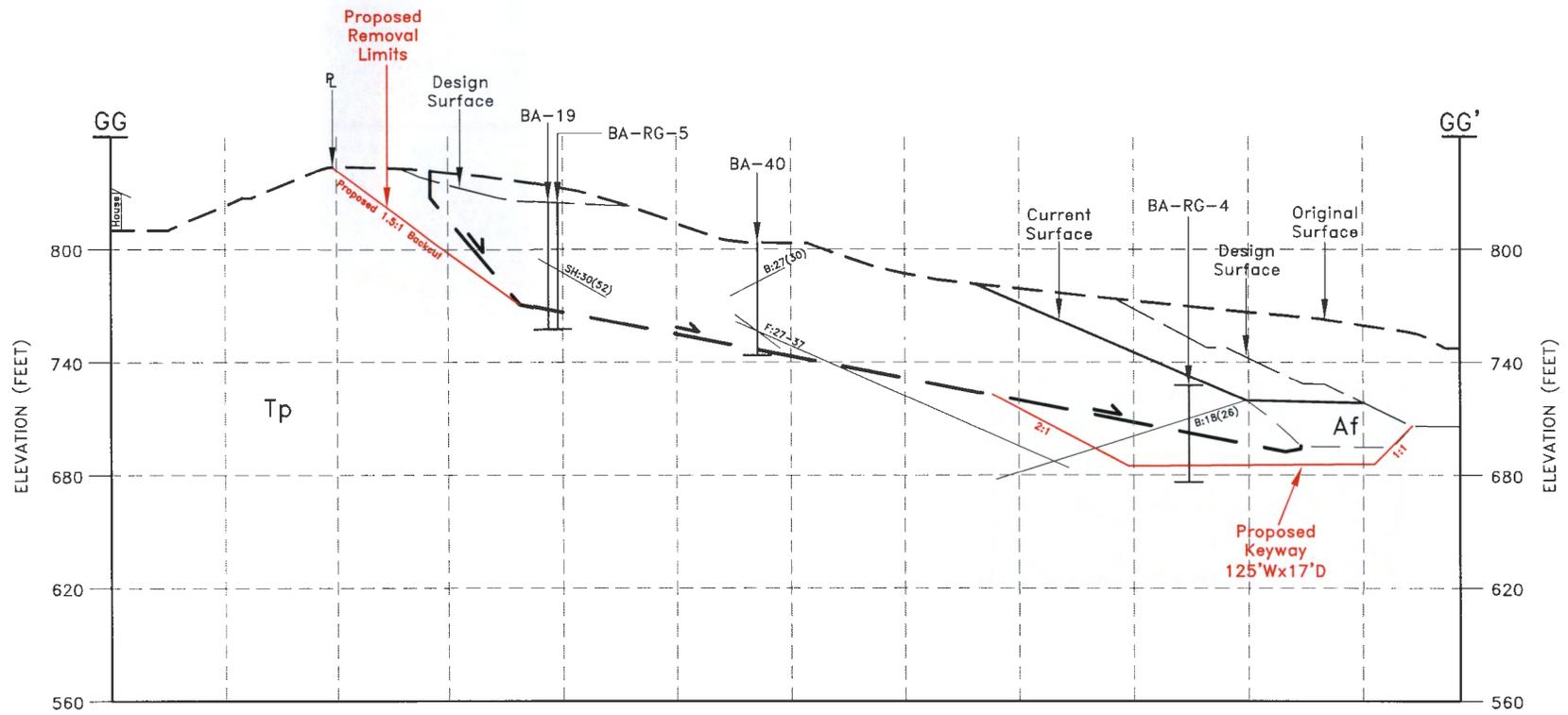
CROSS SECTION FF-FF'

Industry Business Center East Side
Rough Grading
City of Industry, California

Figure 3



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Proj: 10291.005 Eng/Geol: MG
Scale: 1"=60' Date: 05/2015
Reference:

CROSS SECTION GG-GG'

Industry Business Center East Side
Rough Grading
City of Industry, California

Figure 4



Leighton

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GEOTECHNICAL BORING LOG BA-18

Date 2-7-06 Sheet 1 of 3
 Project IUDA-Industry Business Center-East Project No. 601180-001
 Drilling Co. Big Johnny's Drilling Type of Rig Bucket Auger
 Hole Diameter 24" Drive Weight 0-25' 2500#; 25-45' 1500#; 45-70' 750#; 70-80' 1500# Drop 12"
 Elevation Top of Hole 805' Location East of Grand Ave.

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests	
805	0							Logged By <u>Daniel Wader</u> Sampled By <u>Daniel Wader</u>			
									0 to 1½' Casing Below casing PUENTE FORMATION (Tp) SILTSTONE interbedded with SANDSTONE, bedding is discontinuous, abundant carbonate		
									@ 3'3" a 1/8" thick, carbonate-filled fault enters the boring on the NE wall. The fault dips to the SW and displaces the bedding. Bedding on the eastern wall of the boring dips to the NE; bedding on the opposite side dips to the west. Above the fault the rock is highly weathered and the bedding is discontinuous and disturbed. The fault exits the boring at 5'10" on the SW wall. Below the fault the bedding is tight and continuous around the boring.		
800	5				B-1						
										@ 10' (drive sample) SANDSTONE with interbedded SILTSTONE; fine-grained, gray to yellowish brown, hard with moderate cementation, laminated to thinly bedded with orange iron-oxide staining along bedding and carbonate filling fractures	
										@ 13' bedrock is well-bedded, very tight and consistent	
795	10				R-1	6					
										@ 19' to 20' highly fractured, SILTSTONE	
										@ 20' (drive sample) SILTSTONE with interbedded SANDSTONE; gray to yellowish brown, fine-grained, hard, weathered, fractured, thinly laminated to thinly bedded with iron-oxide staining along bedding and filling fractures.	
										@ 23' SILTSTONE is clayey with clay film along laminations, gray to olive brown, sheared with abundant polished surfaces	
790	15										
785	20			R-2	8						
780	25										
775	30										

SYMBOL TYPES: PLIT SPOON R RING SAMPLE B BULK SAMPLE T TUBE SAMPLE	TYPE OF TESTS: -200 200 SIEVE WASH DS DIRECT SHEAR MD MAXIMUM DENSITY CN CONSOLIDATION Col COLLAPSE	CR CORROSION SA SIEVE ANALYSIS AL ATTERBERG LIMITS SE SAND EQUIVALENT EI EXPANSION INDEX RV R-VALUE
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GEOTECHNICAL BORING LOG BA-18

Date 2-7-06 Sheet 2 of 3
 Project IUDA-Industry Business Center-East Project No. 601180-001
 Drilling Co. Big Johnny's Drilling Type of Rig Bucket Auger
 Hole Diameter 24" Drive Weight 0-25' 2500#; 25-45' 1500#; 45-70' 750#; 70-80' 1500# Drop 12"
 Elevation Top of Hole 805' Location East of Grand Ave.

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
775	30	N S		R-3	9				Logged By <u>Daniel Wader</u> Sampled By <u>Daniel Wader</u> @ 30' SILTSTONE with interbedded SANDSTONE as above	
			@ 32' B: N18°W, 29°NE	B-2					@ 37½' ¼" thick continuous carbonate vein along bedding.	
770	35									
			@ 38' B: N15°W, 36°NE	R-4	15				@ 40' (drive sample) Silty SANDSTONE; fine-grained, light brown to yellowish brown, dense, moderately cemented, poorly graded, massive	
765	40									
			@ 46' B: N20°W, 35°NE						@ 48' to 52' Highly weathered SANDSTONE	
760	45									
			@ 48' B: N30°W, 34°NE	R-5	17				@ 50' (drive sample) massive Silty SANDSTONE as above at 40'	
755	50									
			@ 53' B: N15°W, 29°NE						@ 54' to 58.5' Bedrock is fractured and broken	
750	55									
			@ 55' B: N25°W, 36°NE							
745	60									

SAMPLE TYPES:
 PLIT SPOON
 R RING SAMPLE
 B BULK SAMPLE
 T TUBE SAMPLE

TYPE OF TESTS:
 -200 200 SIEVE WASH
 DS DIRECT SHEAR
 MD MAXIMUM DENSITY
 CN CONSOLIDATION
 CoI COLLAPSE
 CR CORROSION
 SA SIEVE ANALYSIS
 AL ATTERBERG LIMITS
 SE SAND EQUIVALENT
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GEOTECHNICAL BORING LOG BA-18

Date 2-7-06 Sheet 3 of 3
 Project IUDA-Industry Business Center-East Project No. 601180-001
 Drilling Co. Big Johnny's Drilling Type of Rig Bucket Auger
 Borehole Diameter 24" Drive Weight 0-25' 2500#; 25-45' 1500#; 45-70' 750#; 70-80' 1500# Drop 12"
 Elevation Top of Hole 805' Location East of Grand Ave.

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pct	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
745	60	N S	@ 60' B: N22°W, 38°NE	R-6	17				Logged By <u>Daniel Wader</u> Sampled By <u>Daniel Wader</u>	
740	65								@ 60' (drive sample) SILTSTONE with interbedded SANDSTONE; fine-grained, gray to orangish brown, thinly bedded to laminated	
735	70								@ 65' Bedding is very tight	
730	75								Total depth drilled = 70' Total depth sampled = 60' Downhole logged to 65' Slight seepage at the bottom of the boring Backfilled with soil cuttings on 2/7/2006	
725	80									
720	85									
715	90									
SAMPLE TYPES: PLIT SPOON R RING SAMPLE B BULK SAMPLE T TUBE SAMPLE								TYPE OF TESTS: -200 200 SIEVE WASH DS DIRECT SHEAR MD MAXIMUM DENSITY CN CONSOLIDATION Col COLLAPSE CR CORROSION SA SIEVE ANALYSIS AL ATTERBERG LIMITS SE SAND EQUIVALENT EI EXPANSION INDEX RV R-VALUE		



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GEOTECHNICAL BORING LOG BA-19

Date 2-8-06 Sheet 1 of 3
 Project IUDA-Industry Business Center-East Project No. 601180-001
 Drilling Co. Big Johnny's Drilling Type of Rig Bucket Auger
 Hole Diameter 24" Drive Weight 0-25' 2500#; 25-45' 1500#; 45-70' 750#; 70-80' 1500# Drop 12"
 Elevation Top of Hole 826' Location East of Grand Ave.

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
		N S							Logged By <u>Daniel Wader</u> Sampled By <u>Daniel Wader</u>	
825	0								@ 0-2' CASING below CASING is PUENTE FORMATION (Tp) highly weathered SILTSTONE; light brown to almost white, thin discontinuous beds with loose dark brown Silty Clayey SAND-filled Krotovina to 3/2'	
	5		@ 2 1/2' B: N44°W, 39°NE	B-1					@ 3 1/2' burrows end and bedding is continuous around boring. SILTSTONE; light brown, thinly bedded, highly weathered with abundant carbonate and iron-oxide staining	
820			@ 6.5 B: N45°W, 32°NE						@ 7' (SW wall) B: N50°W, 33°NE	
	10		@ 7 1/2' F: N22°W, 36°SW	R-1	3				@ 7 1/2' fault enters the boring on the NE wall and dips toward the SW, exiting the boring at 8 1/2' on the SW wall. The fault is 1/4" to 1/2" thick, carbonate-filled and offsets the bedding about 6". Below the fault, bedding is continuous around the boring.	
815			@ 8 1/2' (NE wall) B: N40°W, 36°NE						@ 10' (drive sample) clayey SILTSTONE; light olive gray, medium hard, thinly bedded	
	15		@ 10 1/2' B: N43°W, 28°NE						@ 12' rock is very fractured and broken	
810			@ 15' N69°W, 24°NE						@ 13' a discontinuous carbonate filled fracture enters the boring on the NW wall and offsets the bedding about 1"	
	20		@ 16' B: N36°W, 34°NE						@ 15' gradational change to clayey SILTSTONE with sheared, polished surfaces	
805			@ 19' B: N64°W, 23°NE	R-2	3				@ 18' minor folding	
	25		@ 23' B: N51°W, 21°NE						@ 20' (drive sample) SILTSTONE; gray, moderately hard, fractured, thinly bedded to laminated with orange iron oxide staining along bedding and carbonate filling fractures	
800			@ 26' B: N50°W, 21°NE						@ 25' very hard, highly cemented SILTSTONE bed	
	30		@ 28' J: N11°W, 73°W							

SYMBOLS:
 PLIT SPOON
 R RING SAMPLE
 B BULK SAMPLE
 T TUBE SAMPLE

TYPE OF TESTS:
 -200 200 SIEVE WASH
 DS DIRECT SHEAR
 MD MAXIMUM DENSITY
 CN CONSOLIDATION
 Col COLLAPSE

CR CORROSION
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GEOTECHNICAL BORING LOG BA-19

Date 2-8-06 Sheet 2 of 3
 Project IUDA-Industry Business Center-East Project No. 601180-001
 Drilling Co. Big Johnny's Drilling Type of Rig Bucket Auger
 Hole Diameter 24" Drive Weight 0-25' 2500#; 25-45' 1500#; 45-70' 750#; 70-80' 1500# Drop 12"
 Elevation Top of Hole 826' Location East of Grand Ave.

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pct	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
		N S							Logged By <u>Daniel Wader</u> Sampled By <u>Daniel Wader</u>	
795	30		@ 30' B: N44°W, 22°NE @ 31' J: N8°W, 59°W	R-3	8				@ 30' (drive sample) SILTSTONE as above at 20' @ 33' to 34½' SILTSTONE; highly fractured, highly cemented, very hard with abundant orange iron-oxide staining @ 34½' bedrock is hard, cemented, clayey SILTSTONE and SANDSTONE @ 36' - 38' Highly fractured, broken @ 38' tightly bedded, but still fractured and sheared	
790	35		@ 38' J: N37°W, 26°NE	R-4	7				@ 40' (drive sample) Clayey SILTSTONE; olive gray, medium hard, thinly bedded to thinly laminated with orange iron-oxide staining along bedding @ 43' to 45' SILTSTONE bedrock is very cemented, hard, highly fractured and broken	
785	40		@ 41' B: N60°W, 14°NE							
780	45		@ 45' B: N60°W, 33°NE							
775	50		@ 50' B: N50°W, 20°NE	R-5	12				@ 50' (drive sample) SILTSTONE with interbedded SANDSTONE; fine-grained, gray to yellowish brown, moderately hard, thinly bedded to laminated, fractured and weathered with orange iron-oxide staining along bedding and filling fractures @ 51' Highly fractured, broken zone	
770	55	@ 55' B: N58°W, 24°NE								
60	60		@ 58' B: N10°E, vert							

SAMPLE TYPES:
 PLIT SPOON
 R RING SAMPLE
 B BULK SAMPLE
 T TUBE SAMPLE

TYPE OF TESTS:
 -200 200 SIEVE WASH
 DS DIRECT SHEAR
 MD MAXIMUM DENSITY
 CN CONSOLIDATION
 Col COLLAPSE

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GEOTECHNICAL BORING LOG BA-19

Date 2-8-06 Sheet 3 of 3
 Project IUDA-Industry Business Center-East Project No. 601180-001
 Drilling Co. Big Johnny's Drilling Type of Rig Bucket Auger
 Hole Diameter 24" Drive Weight 0-25' 2500#, 25-45' 1500#, 45-70' 750#, 70-80' 1500# Drop 12"
 Elevation Top of Hole 826' Location East of Grand Ave.

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
		N S							Logged By <u>Daniel Wader</u> Sampled By <u>Daniel Wader</u>	
765	60			R-6	13				@ 60' (drive sample) Interbedded SILTSTONE with SANDSTONE as above at 50' @ 63' bedding is tight and continuous to the bottom of the boring	
760	65									
755	70			R-7	12				@ 70' (drive sample) SILTSTONE with interbedded SANDSTONE as above at 60' Total depth drilled = 70' Total depth sampled = 70' Downhole Logged to 63' No ground water encountered Backfilled with soil cuttings on 2/8/2006	
750	75									
745	80									
740	85									
90										

SYMBOL TYPES:
 PLIT SPOON
 R RING SAMPLE
 B BULK SAMPLE
 T TUBE SAMPLE

TYPE OF TESTS:
 -200 200 SIEVE WASH
 DS DIRECT SHEAR
 MD MAXIMUM DENSITY
 CN CONSOLIDATION
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GEOTECHNICAL BORING LOG BA-40

Date 9-22-06

Sheet 1 of 2

Project IUDA-Industry Business Center-East

Project No. 601180-002

Drilling Co. Roy Brothers Drilling

Type of Rig Track-Mounted Auger

Rig Hole Diameter 24"

Drive Weight Not Sampled

Drop "

Elevation Top of Hole 804'

Location East of Grand Avenue

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
									Logged By <u>Phil Buchiarelli</u> Sampled By _____	
	0	N S							@ 0 to 3' Topsoil Sandy Silty CLAY, dark brown, slightly moist, stiff, homogenous.	
	800								@ 3' to 5' DECOMPOSED BEDROCK (Tp) : Siltstone fragments in a Silty Clay matrix.	
	5								@ 5' to total depth PUENTE FORMATION BEDROCK (Tp) : interbedded gray SILTSTONE and orange, fine grained SANDSTONE (50%/50%), well bedded, slightly fractured, moderately weathered.	
	795		@ 7' B: N44°E, 24°SE						@ 7' interbedded SILTSTONE, highly fractured, bedding is continuous around the boring, some carbonate deposits.	
	10								@ 10' to 10.5' cemented bed.	
	790		@ 12' B: N4°W, 11°NE @ 13' J: N53°E, 85°NW @ 13.5' CS: N10°E, 30°SE @ 16' B: N16°E, 26°SE						@ 12' Bedrock is fractured, fish scales, clayey, predominately SILTSTONE. @ 13' local Krotovinas. @ 13.5' CLAY seam, continuous around the boring, bedrock below is highly fractured Clayey SILT~1" to 1' thick, carbonate along bedding and fractures, iron oxide staining, moderately to highly fractured, thin CLAY laminations along bedding planes.	
	15								@ 16' Bedrock more coherent, bedding is continuous around the boring with depth, iron oxide staining.	
	785		@ 20' J: N7°S, 58°W @ 20' B: N11°E, 30°SE						@ 20' carbonate-lined fracture, possible fault, parallel to bedding.	
	780								@ 25' light brown 1 inch thick cemented zone with abundant weathered carbonate deposits. @ 26' steeper bedding dips.	
	25		@ 25' B: N23°E, 27°SE @ 26' B: N10°E, 45°SE @ 27' B: N15°E, 33°SE						@ 27' paper thin CLAY seams, sheared parallel to bedding, moderately fractured, tight, bedding is continuous around the boring, bedding slightly flatter.	
	775									
	30									

SYMBOL TYPES:
 PLIT SPOON
 R RING SAMPLE
 B BULK SAMPLE
 T TUBE SAMPLE

TYPE OF TESTS:
 -200 200 SIEVE WASH
 DS DIRECT SHEAR
 MD MAXIMUM DENSITY
 CN CONSOLIDATION
 Col COLLAPSE

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GEOTECHNICAL BORING LOG BA-40

Date 9-22-06 Sheet 2 of 2
 Project IUDA-Industry Business Center-East Project No. 601180-002
 Drilling Co. Roy Brothers Drilling Type of Rig Track-Mounted Auger
 Borehole Diameter 24" Drive Weight Not Sampled Drop "
 Elevation Top of Hole 804' Location East of Grand Avenue

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests	
									Logged By <u>Phil Buchiarelli</u> Sampled By _____		
30			@ 30' F: N66°E, 52°NW						@ 30' to 33' carbonate lined faulted zone, highly fractured, bedding is continuous around the boring with minor offsets.		
770			@ 33' B: N28°E, 35°SE						@ 34' cemented layer, steeper bedding, brittle and fractured (possibly from drilling), @ 35' fine-grained SANDSTONE bed~2" thick, increasing Sandstone, fish scales, iron-oxide stained.		
35			@ 35' B: N33°E, 33°SE								
765			@ 39' CS: N35°E, 46°SE							@ 39' local zone with abundant CLAY seams with polished surfaces, sheared, beds above and below are continuous around the boring.	
40			@ 42' B: N28°E, 24°SE								
760			@ 44' B: N30°E, 49°SE							@ 44' locally tightly folded, beds do not appear continuous, bedrock below is sandier and moist.	
45			@ 48' F: N15°E, 30°-40°NW							@ 47' to 48' Broken beds. @ 48' Fault~1/16" thick clay lining, offset beds, striated down dip undulatory surfaces, beds below are intact. @ 49' bedding attitude below shear surface.	
755			Striations: N80°W								
50			@ 49' B: N22°E, 36°SE								
750			@ 53' B: N23°E, 30°SE								
55		@ 55' B: N39°E, 27°SE									
745									Total depth drilled = 60' Downhole logged to 57' Ground water encountered at 58' Backfilled with soil cuttings on 9/22/2006		
60											

PILE TYPES:
 PLIT SPOON
 R RING SAMPLE
 B BULK SAMPLE
 T TUBE SAMPLE

TYPE OF TESTS:
 -200 200 SIEVE WASH
 DS DIRECT SHEAR
 MD MAXIMUM DENSITY
 CN CONSOLIDATION
 Col COLLAPSE

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GEOTECHNICAL BORING LOG BA-41

Date 9-25-06 Sheet 2 of 2
 Project IUDA-Industry Business Center-East Project No. 601180-001
 Drilling Co. Roy Brothers Drilling Type of Rig Track-Mounted Auger
 Hole Diameter 24" Drive Weight Not Sampled Drop "
 Elevation Top of Hole 741' Location East of Grand Avenue

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
710	30								Logged By <u>Dan Jankly/ Phill Buchiarelli</u> Sampled By _____	
705	35								@ 30' to 43'+ zones of Silty CLAY to Clayey SILT with bedrock fragments and zones of intact material up to 2' thick. @ 32' minor to moderate seepage.	
700	40									
695	45									
690	50								@ 50' Drive sample: well-bedded Sandstone/ Siltstone, iron-oxide staining.	
685	55								Boring terminated at 50' due to drillers concern about water/caving (potential burial of auger). Downhole logged to 43' Seepage at 32' Standing water at 46' Backfilled with soil cuttings on 9/25/2006	
680	60									

SYMBOL TYPES:
 S SPLIT SPOON
 R RING SAMPLE
 B BULK SAMPLE
 T TUBE SAMPLE

TYPE OF TESTS:
 -200 200 SIEVE WASH
 DS DIRECT SHEAR
 MD MAXIMUM DENSITY
 CN CONSOLIDATION
 Col COLLAPSE

CR CORROSION
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GEOTECHNICAL BORING LOG BA-45

Date 9-27-06 Sheet 1 of 3
 Project IUDA-Industry Business Center-East Project No. 601180-002
 Drilling Co. Roy Brothers Drilling Type of Rig Track-Mounted Auger
 Hole Diameter 24" Drive Weight Not Sampled Drop "
 Elevation Top of Hole 775' Location East of Grand Avenue

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
775	0	N S							Logged By <u>Dan Jankly</u> Sampled By _____	
									@ 0' to 2' Topsoil @ 2' to total depth PUENTE FORMATION (Tp) : Abundant faulting and deformation @ 2' to 34'. @ 34' to total depth: consistent and well-bedded @ 2' SANDSTONE with interbedded SILTSTONE, light brown to gray, moderately weathered, some carbonate to 7', some 3" offsets, bedding is continuous around the boring. @ 6' locally moderately fractured within SILTSTONE beds. @ 6' B: N55°E, 20°SE @ 11' GB: N70°E, 7°SE @ 11' F: N10°W, 75°SW @ 14' F: Z-S, 50°W @ 17' CS: N75°E, 20°N @ 24' GB: N50°E, 14°SE @ 24' F: N10°E, 80°NW @ 25' F: N45°E, 12°SE	
770	5								@ 11' moderately faulted, numerous offsets to 4", some internal shearing in SILTSTONE beds, tight. @ 13' material below is tighter, less fractured and sheared than above. @ 14' fault with polished 3/8" thick-CLAY seam that truncates bedding. @ 17' CLAY seam-1/4 to 3/8" thick, polished at base, plastic, truncates bedding above, continuous around the boring, locally truncates bedding below, variable, locally pulverized, carbonate to 17'. @ 20' zones of non-continuous intact bedrock and zones of sheared bedrock. @ 24' fault, variable non-continuous bedding, locally pulverized, bedding with offsets up to 6". @ 25' faults with similar orientation, bedding is continuous with offsets to 1", bedrock below is stiffer and tighter, fractured, faulted. @ 28' bedrock below is less tight, locally pulverized, non-continuous, bedding orientation is variable.	
765	10									
760	15									
755	20									
750	25									
745	30									

FILE TYPES: R RING SAMPLE B BULK SAMPLE T TUBE SAMPLE	TYPE OF TESTS: -200 200 SIEVE WASH DS DIRECT SHEAR MD MAXIMUM DENSITY CN CONSOLIDATION Col COLLAPSE	CR CORROSION SA SIEVE ANALYSIS AL ATTERBERG LIMITS SE SAND EQUIVALENT EI EXPANSION INDEX RV R-VALUE
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GEOTECHNICAL BORING LOG BA-45

Date 9-27-06 Sheet 2 of 3
 Project IUDA-Industry Business Center-East Project No. 601180-001
 Drilling Co. Roy Brothers Drilling Type of Rig Track-Mounted Auger
 Hole Diameter 24" Drive Weight Not Sampled Drop "
 Elevation Top of Hole 775' Location East of Grand Avenue

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
745	30								Logged By <u>Dan Jankly</u> Sampled By _____	
740	35		@ 34' GB: N-S, 10°E						@ 32' SILTSTONE lenses, locally sheared, non-continuous. @ 34' sheared SILTSTONE bed, polished, continuous, material below is very tight with minor offsets up to 1/4", material above is highly sheared and pulverized.	
735	40		@ 38' B: N20°W, 9°NE						@ 38' interbedded SILTSTONE and fine-grained SANDSTONE, bedding is continuous around the boring, siltstone beds are polished and CLAY lined, undulatory, minor offsets to 1/4".	
730	45		@ 43' B: N10°E, 10°SE						@ 43' interbedded medium gray SILTSTONE and light-gray orange, fine-grained SANDSTONE, very tight, continuous, undulatory, sub-horizontal.	
725	50		@ 48' B: N20°W, 10°NE						@ 48' minor seepage, continuous, slightly fractured, consistent bedding. @ 49' seepage from SANDSTONE.	
720	55		@ 55' B: N20°W, 10°NE							
715	60									

SYMBOL TYPES:
 PLIT SPOON
 R RING SAMPLE
 B BULK SAMPLE
 T TUBE SAMPLE

TYPE OF TESTS:
 -200 200 SIEVE WASH
 DS DIRECT SHEAR
 MD MAXIMUM DENSITY
 CN CONSOLIDATION
 Col COLLAPSE

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GEOTECHNICAL BORING LOG BA-45

Date 9-27-06 Sheet 3 of 3
 Project IUDA-Industry Business Center-East Project No. 601180-001
 Drilling Co. Roy Brothers Drilling Type of Rig Track-Mounted Auger
 Hole Diameter 24" Drive Weight Not Sampled Drop "
 Elevation Top of Hole 775' Location East of Grand Avenue

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
715	60	N S							Logged By <u>Dan Jankly</u> Sampled By _____	
710	65									
705	70								Total depth drilled = 70' Downhole logged to 57.5' Seepage at 49' Ground water was encountered at 61' after logging. Backfilled with soil cuttings on 9/27/2006	
700	75									
695	80									
690	85									
685	90									

- SAMPLE TYPES:**
- SPLIT SPOON
 - R RING SAMPLE
 - B BULK SAMPLE
 - T TUBE SAMPLE

- TYPE OF TESTS:**
- 200 200 SIEVE WASH
 - DS DIRECT SHEAR
 - MD MAXIMUM DENSITY
 - CN CONSOLIDATION
 - Col COLLAPSE

- CR CORROSION
- SA SIEVE ANALYSIS
- AL ATTERBERG LIMITS
- SE SAND EQUIVALENT
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GEOTECHNICAL BORING LOG BA-52

Date 10-3-06 Sheet 1 of 3
 Project IUDA-Industry Business Center-East Project No. 601180-001
 Drilling Co. Roy Brothers Drilling Type of Rig Track-Mounted Auger
 Hole Diameter 24" Drive Weight Not Sampled Drop "
 Elevation Top of Hole 787' Location East of Grand Avenue

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
									Logged By <u>Dan Jankly</u> Sampled By _____	
785	0								@' 0 to 2' Topsoil	
780	5		@ 7' B: N15°W, 34°NE						@ 2' to total depth PUENTE FORMATION BEDROCK (Tp): interbedded gray orange SILTSTONE and fine grained SANDSTONE, slightly fractured, no offset, moderately weathered, carbonate along bedding, bedding is continuous around the boring, 80% Sandstone, 20% Siltstone/Claystone.	
770	15		@ 13.5' B: N5°E, 30°SE						@ 13.5' consistent, polished surfaces, minor offset.	
765	20		@ 20' B: N-S, 30°E						@ 18' to 20' possible folded zone, highly fractured, undulatory, bedding is not continuous around the boring.	
760	25		@ 23' B: N10°W, 18°NE						@ 23' SANDSTONE~2" to 6" thick with some SILTSTONE/CLAYSTONE~1/4" to 1" thick, polished along siltstone beds, bedding is continuous around the boring, abundant minor offsets to 1".	
760	28		@ 28' B: N20°W, 15°NE						@ 28' highly variable, non-continuous bedding, general bedding attitude taken on west side, beds dip to the west on the on the east side of boring.	
760	28.5		@ 28.5' F: N50°E, 10°-28°NW						@ 28.5' Fault truncates bedding above, polished Silty CLAY lining up to 1/4" thick, continuous, undulatory.	
30	30									

SYMBOL TYPES: PLIT SPOON R RING SAMPLE B BULK SAMPLE T TUBE SAMPLE	TYPE OF TESTS: 200 SIEVE WASH DS DIRECT SHEAR MD MAXIMUM DENSITY CN CONSOLIDATION Col COLLAPSE	CR CORROSION SA SIEVE ANALYSIS AL ATTERBERG LIMITS SE SAND EQUIVALENT EI EXPANSION INDEX RV R-VALUE
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GEOTECHNICAL BORING LOG BA-52

Date 10-3-06 Sheet 2 of 3
 Project IUDA-Industry Business Center-East Project No. 601180-002
 Drilling Co. Roy Brothers Drilling Type of Rig Track-Mounted Auger
 Hole Diameter 24" Drive Weight Not Sampled Drop "
 Elevation Top of Hole 787' Location East of Grand Avenue

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
									Logged By <u>Dan Jankly</u> Sampled By _____	
755	30		@ 33.5' B: N35°W, 20°NE						@ 32' bedding is non-continuous around the boring, highly variable, moderately fractured, moderately faulted, generally dense. @ 33.5 increase in SILTSTONE, bedding is continuous around the boring, no offsets, tight.	
750	35		@ 40' B: N80°W, 15°NE						@ 40' zones of hard intact bedrock and zones of highly fractured sheared bedrock~2' thick, bedding is continuous around the boring, minor offsets.	
745	40		@ 42.5' CS: N40°W, 15°NE						@ 42.5' CLAY seam~1/8" to 1/2" thick, high plasticity, polished at base, bedrock above bedrock is highly fractured and bedding is variable, material below is tight, intact bedrock parallel to clay, slightly iron-oxide stained.	
740	45		@ 46.5' B: N20°W, 20°NE						@ 46.5' bedding is continuous around the boring, offset to 2", very tight, locally moderately fractured.	
735	50		@ 52' B: N55°E, 20°NW						@ 52' zone of intact rock and zone of highly fractured rock, locally pulverized, polished surfaces along bedding.	
730	55		@ 56' B: N30°W, 63°NE						@ 56' bedding is continuous around the boring, abundant minor offsets, moderately fractured, polished surfaces along bedding.	
60	60		@ 58' B: N55°W, 24°NE						@ 59' minor seepage.	
TYPE OF TESTS: -200 200 SIEVE WASH DS DIRECT SHEAR MD MAXIMUM DENSITY CN CONSOLIDATION Col COLLAPSE CR CORROSION SA SIEVE ANALYSIS AL ATTERBERG LIMITS SE SAND EQUIVALENT EI EXPANSION INDEX RV R-VALUE										



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GEOTECHNICAL BORING LOG BA-52

Date 10-3-06 Sheet 3 of 3
 Project IUDA-Industry Business Center-East Project No. 601180-001
 Drilling Co. Roy Brothers Drilling Type of Rig Track-Mounted Auger
 Hole Diameter 24" Drive Weight Not Sampled Drop "
 Elevation Top of Hole 787' Location East of Grand Avenue

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
									Logged By <u>Dan Jankly</u> Sampled By _____	
60			@ 60' CS: N70°E, 16°NW @ 60.5' B: N70°W, 15°-30°NE						@ 60' CLAY seam ~1/4" thick, parallel to bedding, continuous, polished surfaces along bedding. @ 60.5' highly undulatory, abundant polished surfaces along bedding.	
725										
65										
720									Total depth drilled = 67' Downhole logged to 64' Minor seepage at 59' Backfilled with soil cuttings on 10/3/2006	
70										
75										
710										
80										
705										
85										
700										
90										

SAMPLE TYPES:
 R RING SAMPLE
 B BULK SAMPLE
 T TUBE SAMPLE

TYPE OF TESTS:
 -200 200 SIEVE WASH
 DS DIRECT SHEAR
 MD MAXIMUM DENSITY
 CN CONSOLIDATION
 Col COLLAPSE

CR CORROSION
 SA SIEVE ANALYSIS
 AL ATTERBERG LIMITS
 SE SAND EQUIVALENT
 EI EXPANSION INDEX
 RV R-VALUE



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GEOTECHNICAL BORING LOG BA-53

Date 10-5-06 Sheet 1 of 3
 Project IUDA-Industry Business Center-East Project No. 601180-001
 Drilling Co. Roy Brothers Drilling Type of Rig Track-Mounted Auger
 Hole Diameter 24" Drive Weight Not Sampled Drop "
 Elevation Top of Hole 765' Location East of Grand Avenue

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
									Logged By <u>Kay St. Peters</u> Sampled By _____	
765	0	N S							@ 0' to 2' COLLUVIUM (Col): Clayey SILT, medium brown, damp, abundant carbonate. @ 2' to 4' Colluvium mixed with bedrock fragments. @ 4' to total depth PUENTE FORMATION BEDROCK (Tp): sharp contact with weathered, interbedded SILTSTONE and SANDSTONE. @ 6' weathered SILTSTONE.	
760	5		@ 6' B: N62°W, 30°SW							
755	10		@ 11' B: N25°W, 34°SW						@ 11' SILTSTONE, well-bedded, highly weathered, highly fractured, bedding is continuous around the boring. @ 12' to 20' numerous irregular fractures offset bedding 1/2" to 2", random orientation, carbonate, fractures dip into and out of bedding planes.	
750	15		@ 16' B: N25°W, 27°SW						@ 15' abundant CLAY films along bedding, striated, (probable structural slip along bedding) .	
745	20		@ 19' B: N87°W, 28°S						@ 20' offsets to 12" stair-step along fractures, change in bedding orientation due to stepped blocks and not folding, tight, carbonate.	
740	25		@ 22.5' CS: N20°W, 34°SW						@ 22.5' high point of Silty CLAY seam~1/4" to 1" thick, medium to dark gray, moderately stiff, medium plasticity, polished surfaces, bedding is continuous around the boring. @ 23.5' low point of CLAY seam, offset bedding and carbonate terminate at clay seam. @ 25' offset bedding and carbonate stopped at clay seam, bedding below is continuous around the boring.	
			@ 25' GB: N15-20°W, 27°SW							
735	30		@ 28' B: N28°W, 27°SW							
SOIL TYPES: PLIT SPOON R RING SAMPLE B BULK SAMPLE T TUBE SAMPLE									TYPE OF TESTS: -200 200 SIEVE WASH DS DIRECT SHEAR MD MAXIMUM DENSITY CN CONSOLIDATION Col COLLAPSE CR CORROSION SA SIEVE ANALYSIS AL ATTERBERG LIMITS SE SAND EQUIVALENT EI EXPANSION INDEX RV R-VALUE	

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GEOTECHNICAL BORING LOG BA-53

Date 10-5-06 Sheet 2 of 3
 Project IUDA-Industry Business Center-East Project No. 601180-001
 Drilling Co. Roy Brothers Drilling Type of Rig Track-Mounted Auger
 Hole Diameter 24" Drive Weight Not Sampled Drop "
 Elevation Top of Hole 765' Location East of Grand Avenue

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
									Logged By <u>Kay St. Peters</u> Sampled By _____	
735	30		@ 32' B: N10°W, 28°SW						@ 30' to 36' change in bedding orientation, minor offsets with carbonate filled fractures, continuous and tight below.	
730	35		@ 35' B: N50°W, 22°SW						@ 35' interbedded SILTSTONE with laminated SANDSTONE, fractured, tight, abundant water seepage from fractures and bedding planes, bedding is continuous around the boring.	
725	40		@ 42' B: N65°W, 34°SW						@ 42' SILTSTONE and laminated SANDSTONE, well-bedded, continuous, tight, abundant water seepage.	
720	45		@ 45' B: E-W, 32°S						@ 45' minor fault disrupts bedding, attitude taken on bedding.	
715	50		@ 52' B: N55°W, 36°SW						@ 52' bedding is consistent and continuous around the boring, well bedded.	
710	55									
705	60									

SAMPLE TYPES:
 PLIT SPOON
 R RING SAMPLE
 B BULK SAMPLE
 T TUBE SAMPLE

TYPE OF TESTS:
 -200 200 SIEVE WASH
 DS DIRECT SHEAR
 MD MAXIMUM DENSITY
 CN CONSOLIDATION
 Col COLLAPSE

CR CORROSION
 SA SIEVE ANALYSIS
 AL ATTERBERG LIMITS
 SE SAND EQUIVALENT
 EI EXPANSION NDEX
 RV R-VALUE



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GEOTECHNICAL BORING LOG BA-53

Date 10-5-06 Sheet 3 of 3
 Project IUDA-Industry Business Center-East Project No. 601180-001
 Drilling Co. Roy Brothers Drilling Type of Rig Track-Mounted Auger
 Hole Diameter 24" Drive Weight Not Sampled Drop "
 Elevation Top of Hole 765' Location East of Grand Avenue

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
705	60	N S							Logged By <u>Kay St. Peters</u> Sampled By _____	
700	65								Total depth drilled = 62' Downhole logged to 55' Ground water seepage was encountered at 35' with standing water at 51' after logging Backfilled with soil cuttings on 10/5/2006	
695	70									
690	75									
685	80									
680	85									
675	90									
TYPE OF TESTS: -200 200 SIEVE WASH DS DIRECT SHEAR MD MAXIMUM DENSITY CN CONSOLIDATION Col COLLAPSE CR CORROSION SA SIEVE ANALYSIS AL ATTERBERG LIMITS SE SAND EQUIVALENT EI EXPANSION INDEX RV R-VALUE										

SAMPLE TYPES:
 SPLIT SPOON
 R RING SAMPLE
 B BULK SAMPLE
 T TUBE SAMPLE



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GEOTECHNICAL BORING LOG BA-56

Date 10-9-06 Sheet 1 of 2
 Project IUDA-Industry Business Center-East Project No. 601180-002
 Drilling Co. Big Johnny's Drilling Type of Rig Bucket Auger
 Hole Diameter 24" Drive Weight Not Sampled Drop "
 Elevation Top of Hole 741' Location East of Grand Avenue

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
									Logged By <u>Kay St. Peters</u> Sampled By _____	
740	0		@ 6' GB: E-W, 25°S						@ 0' to 6" Topsoil. @ 6" to total depth LANDSLIDE DEBRIS (Ols): @ 6" gradual contact with interbedded SILTSTONE / SANDSTONE, light gray-brown/orange-brown, thinly bedded to laminated, highly weathered, highly fractured, locally cemented, moderate carbonate, approximate bedding attitude. @ 4' to 7' bedrock on south side has sharp folding with crushing in axis of fold. @ 7.5' to 8' sequence of interbedded SILTSTONE / SANDSTONE, bedding is continuous around the boring. @ 8' undulatory bedding. @ 9' to 10' irregular fracture~1/2" wide filled with soil on west side. @ 10' iron-oxide stained SANDSTONE bed~2" thick, continuous around boring, dips to south, with offsets 1" to several inches, along numerous fractures. bedrock is crumbly, no open fractures below 10'. @ 12' iron-oxide stained SANDSTONE bed~2" thick, within predominately gray SILTSTONE, locally offset along several fractures, approximate dip to south. @ 12' to 14' SILTSTONE / SANDSTONE (60%/40%), bedding is generally continuous around the boring but locally offset with local crushed and broken pockets. @ 15' iron-oxide stained SANDSTONE bed~6" thick on south side, pinched out on north side due to fold or crushing, offset along fractures several times to south, appears to be dragged to south. continuous Sandstone beds below are dragged to south and have several fractures with minor offsets, no distinct fault, possible fold with crushing. @ 15' to 17' SILTSTONE and SANDSTONE on north side, well bedded, locally crumbly especially near shear zone. @ 16' bedding attitude on north side truncated on south side by shear zone. @ 17' Shear zone~6" to 8" wide, bedrock is sheared and polished, possibly tectonic rather than glacial, moderately fractured, dips out of hole on southwest side, very irregular surface, approximate bedding attitude. @ 17' to 19' interbedded SILTSTONE / SANDSTONE on north side, well-bedded, very tightly folded and fractured on southeast side, crushed in fold axis, moderate carbonate. @ 19' to 20.5 Southeast side of boring, highly broken cemented SILTSTONE bed-fragments of cemented SILTSTONE within matrix of gray, clayey, mashed SILTSTONE, carbonate between fragments. @ 20' attitude taken on 2 parallel carbonate-lined shear zones, 6" apart, 1/4" to 1/2" wide, easternmost has locally planer surface. below the broken cemented bed, bedrock is completely brecciated with angular fragments of gray Siltstone to 1/4" within a clay/siltstone/sand matrix, no continuous bedding, abundant hard carbonate fragments in irregular fractures, brecciated to 23' on southeast side, remnant bedding at 22' on north side. @ 23' bedding is non-continuous around the boring, grades to pockets	
735	5									
730	10		@ 8' GB: N40°W, 20°-28°SW							
725	15		@ 12' GB: N70°W, S dip							
720	20		@ 15' GB: N65°W, SW dip @ 16' B: N55°W, 24°SW @ 17' S: N35°-40°W, 52°SW							
715	25		@ 20' S: N40°W, 65°NE							
710	30		@ 26' S: N10°W, 44°SW @ 27.5' GB: N28°E, 15°NW							
SOIL TYPES: R RING SAMPLE B BULK SAMPLE T TUBE SAMPLE SPLIT SPOON									TYPE OF TESTS: -200 200 SIEVE WASH DS DIRECT SHEAR MD MAXIMUM DENSITY CN CONSOLIDATION Col COLLAPSE CR CORROSION SA SIEVE ANALYSIS AL ATTERBERG LIMITS SE SAND EQUIVALENT EI EXPANSION INDEX RV R-VALUE	

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GEOTECHNICAL BORING LOG BA-56

Date 10-9-06 Sheet 2 of 2
 Project IUDA-Industry Business Center-East Project No. 601180-001
 Drilling Co. Big Johnny's Drilling Type of Rig Bucket Auger
 Hole Diameter 24" Drive Weight Not Sampled Drop "
 Elevation Top of Hole 741' Location East of Grand Avenue

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Six Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
									Logged By <u>Kay St. Peters</u> Sampled By _____	
710	30		@ 31' B: N15°E, 32°NW @ 32' CS: N20°-25°W, 30-55°SW						of remnant bedding. @ 24' abundant carbonate filled fractures, general dip to west, dips out of hole at N70°W. @ 24' to 27' bedded partially around boring. @ 25' shear zone-8" to 10" wide truncates bedding, bedded only 1' around boring, carbonate in irregular fractures, few beds of SILTSTONE and SANDSTONE are dragged along shear, remainder of bedrock is brecciated. @ 26' attitude in shear zone. @ 27' bedding is not continuous around the boring, dips northwest. @ 27.5 to 28.5 fine-grained SANDSTONE, light brown to tan, laminated, bedding is continuous around the boring with offsets to 6" along several shear zones, bedrock below is interbedded gray-brown SILTSTONE and light orange-brown fine-grained SANDSTONE. @ 28.5' to 30.5' bedding is generally continuous around the boring but locally crushed, brecciated, crumbly. @ 31' to 34' sharp folding but bedding is continuous around the boring. @ 32' high side of dark gray CLAY seam-1/8" thick, high plasticity, parallel to bedding, planer, caught in folding. @ 34' walls of boring are very moist, no free water, beds are steeply dipping on north side, flatter on south side, highly fractured and crumbly, polished surfaces on bedding planes, bedding is continuous around the boring, but with minor offsets along fractures. @ 36' water and caving, fractured, 6" chunks falling off sides, well-bedded, bedding is not continuous around the boring, very brecciated areas, generally dipping to southwest, low angle, boring caved to 3' wide. No down hole log below 36' due to caving.	
705	35									
700	40									
695	45									
690	50									
685	55									
680	60								Total depth drilled = 65' Downhole logged to 36' only due to water and caving Ground water encountered at 36' with standing water at 60' after logging Backfilled with soil cuttings on 10/9/2006	
TYPE OF TESTS: -200 200 SIEVE WASH DS DIRECT SHEAR MD MAXIMUM DENSITY CN CONSOLIDATION Col COLLAPSE									CR CORROSION SA SIEVE ANALYSIS AL ATTERBERG LIMITS SE SAND EQUIVALENT EI EXPANSION INDEX RV R-VALUE	

SAMPLE TYPES:
 PLIT SPOON
 R RING SAMPLE
 B BULK SAMPLE
 T TUBE SAMPLE



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GEO TECHNICAL BORING LOG BA-RG-3

Date 5-11-15 Sheet 1 of 2
 Project Industry Business Center- East Project No. 10291.005
 Drilling Co. Roy Bros. Type of Rig Hollow Stem Auger
 Hole Diameter _____ Drive Weight _____ Drop _____
 Elevation Top of Elevation 728' Location See Figure 2

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
	0	N							Logged By <u>BER/SGO</u> Sampled By <u>BER/SGO</u>	
725	5								@ 0' to total depth <u>Puente Formation (Tp).</u>	
720	10									
715	15									
710	20								@ 21' top of offset (= 1') -observed 5/12/15.	
705	25								@ 24' offset observed on uphill side of hole (= a few inches) -observed 5/11/2015. @ 25' bottom of offset zone (=1') -observed 5/12/2015.	
700										
30										

SAMPLE TYPES:
 S SPLIT SPOON
 R RING SAMPLE
 B BULK SAMPLE
 T TUBE SAMPLE

G GRAB SAMPLE
 SH SHELBY TUBE

TYPE OF TESTS:
 DS DIRECT SHEAR
 MD MAXIMUM DENSITY
 CN CONSOLIDATION
 CR CORROSION

SA SIEVE ANALYSIS
 AT ATTERBURG LIMITS
 EI EXPANSION INDEX
 RV R-VALUE



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GEO TECHNICAL BORING LOG BA-RG-3

Date 5-11-15 Sheet 2 of 2
 Project Industry Business Center- East Project No. 10291.005
 Drilling Co. Roy Bros. Type of Rig Hollow Stem Auger
 Hole Diameter _____ Drive Weight _____ Drop _____
 Elevation Top of Elevation 728' Location See Figure 2

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
		N S							Logged By <u>BER/SGO</u> Sampled By <u>BER/SGO</u>	
30										
695										
35										
690										
40										
685										
45										
680										
50										
675									Total Depth=52' No Downhole Logging Groundwater@41'.	
55										
670										
60										

SAMPLE TYPES:
 S SPLIT SPOON
 R RING SAMPLE
 B BULK SAMPLE
 T TUBE SAMPLE

G GRAB SAMPLE
 SH SHELBY TUBE

TYPE OF TESTS:
 DS DIRECT SHEAR
 MD MAXIMUM DENSITY
 CN CONSOLIDATION
 CR CORROSION

SA SIEVE ANALYSIS
 AT ATTERBURG LIMITS
 EI EXPANSION INDEX
 RV R-VALUE



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GEO TECHNICAL BORING LOG BA-RG-4

Date 5-11-15 Sheet 1 of 3
 Project Industry Business Center- East Project No. 10291.005
 Drilling Co. Roy Bros. Type of Rig Hollow Stem Auger
 Hole Diameter _____ Drive Weight _____ Drop "
 Elevation Top of Elevation 705' Location See Figure 2

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
705	0	N S							Logged By <u>BER/SGO</u> Sampled By <u>BER/SGO</u>	
		[Hatched Area]							@0' to 5' Colluvium (Qcol). SILTY CLAY (CL), firm, brown, moist.	
700	5								@5' to 17.5' Landslide Debris (Ols). @5' SILTY CLAYSTONE, poorly cemented, no structure, some angular gravel. @7' pod of COLLUVIUM (=12" diameter).	
695	10		10° SW dip						@12' discontinuous 1/2" thick lense of white CLAY.	
690	15								@17.5' CLAY layer 3"-6" thick, orangish color, gouged, sheared in lower 1' of zone.	
685	20								@17.5' CLAY layer 3"-6" thick, orangish color, gouged, sheared in lower 1' of zone. @18 to 44.5' Puente Formation (Tp). @18' sheared zone, paper thin shears with slick surfaces (6"-8" zone). @18.7' to 44.5', CLAYSTONE - gray, moist, moderately indurated, visible bedding planes @ 20' depth.	
680	25									
675	30									

SAMPLE TYPES:
 S SPLIT SPOON
 R RING SAMPLE
 B BULK SAMPLE
 T TUBE SAMPLE

G GRAB SAMPLE
SH SHELBY TUBE

TYPE OF TESTS:
 DS DIRECT SHEAR
 MD MAXIMUM DENSITY
 CN CONSOLIDATION
 CR CORROSION

SA SIEVE ANALYSIS
 AT ATTERBURG LIMITS
 EI EXPANSION INDEX
 RV R-VALUE



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GEOTECHNICAL BORING LOG BA-RG-4

Date 5-11-15
 Project Industry Business Center- East
 Drilling Co. Roy Bros.
 Hole Diameter _____ Drive Weight _____
 Elevation Top of Elevation 705' Location See Figure 2

Sheet 2 of 3
 Project No. 10291.005
 Type of Rig Hollow Stem Auger
 Drop "

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
675	30	N S	26SE						Logged By <u>BER/SGO</u> Sampled By <u>BER/SGO</u>	
			@32' J: N88W 86NE @33.5' B: N48E 7SE						@18 to 44.5' Puente Formation (Tp) . @32.5' well indurated zone, 6" thick. @35' very moist.	
670	35									
			@38' B: N84W 16SW @38 B: N70E 16SE							
665	40									
			@41.5' B: N32E 15SE						@41' seeps from fractures. @43' seepage.	
660	45								@44.5' pooled water.	
655	50									
650	55									
645	60									

SAMPLE TYPES:
 S SPLIT SPOON
 R RING SAMPLE
 B BULK SAMPLE
 T TUBE SAMPLE

G GRAB SAMPLE
 SH SHELBY TUBE

TYPE OF TESTS:
 DS DIRECT SHEAR
 MD MAXIMUM DENSITY
 CN CONSOLIDATION
 CR CORROSION

SA SIEVE ANALYSIS
 AT ATTERBURG LIMITS
 EI EXPANSION INDEX
 RV R-VALUE



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GEO TECHNICAL BORING LOG BA-RG-4

Date 5-11-15
 Project Industry Business Center- East
 Drilling Co. Roy Bros.
 Hole Diameter _____ Drive Weight _____
 Elevation Top of Elevation 705' Location See Figure 2

Sheet 3 of 3
 Project No. 10291.005
 Type of Rig Hollow Stem Auger
 Drop "

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
645	60	N S							Logged By <u>BER/SGO</u> Sampled By <u>BER/SGO</u> Total Depth: 60' Logged to 44.5' Water Seepage @41'-43' Pooled water up to 44.5'.	
640	65									
635	70									
630	75									
625	80									
620	85									
615	90									

SAMPLE TYPES: S SPLIT SPOON R RING SAMPLE B BULK SAMPLE T TUBE SAMPLE	G GRAB SAMPLE SH SHELBY TUBE	TYPE OF TESTS: DS DIRECT SHEAR MD MAXIMUM DENSITY CN CONSOLIDATION CR CORROSION	SA SIEVE ANALYSIS AT ATTERBURG LIMITS EI EXPANSION INDEX RV R-VALUE
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GEO TECHNICAL BORING LOG BA-RG-5

Date 5-12-15
 Project Industry Business Center- East
 Drilling Co. Roy Bros.
 Hole Diameter _____ Drive Weight _____
 Elevation Top of Elevation 825' Location See Figure 2

Sheet 3 of 3
 Project No. 10291.005
 Type of Rig Hollow Stem Auger
 Drop "

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION	Type of Tests
765	60	N							Logged By <u>BER/SGO</u> Sampled By <u>BER/SGO</u>	
									@ 0' to total depth <u>Puente Formation (Tp)</u> .	
760	65									
755	70								Total Depth = 70' No Groundwater No Downhole Logging.	
750	75									
745	80									
740	85									
735	90									

SAMPLE TYPES:

S SPLIT SPOON
 R RING SAMPLE
 B BULK SAMPLE
 T TUBE SAMPLE

G GRAB SAMPLE
 SH SHELBY TUBE

TYPE OF TESTS:

DS DIRECT SHEAR
 MD MAXIMUM DENSITY
 CN CONSOLIDATION
 CR CORROSION

SA SIEVE ANALYSIS
 AT ATTERBURG LIMITS
 EI EXPANSION INDEX
 RV R-VALUE



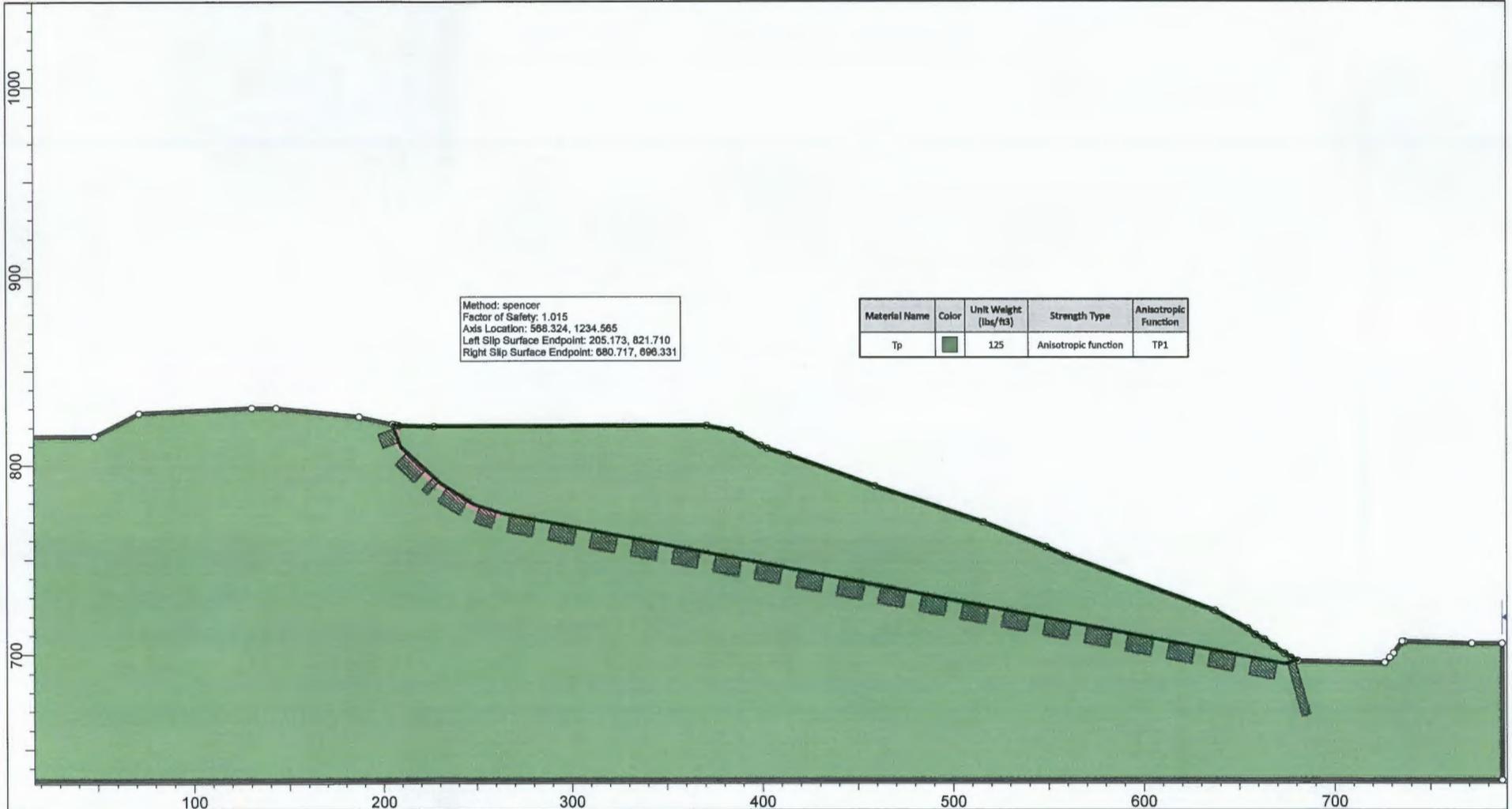
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Section FF-FF'

Block Search for Failure Surfaces Immediately before Failure

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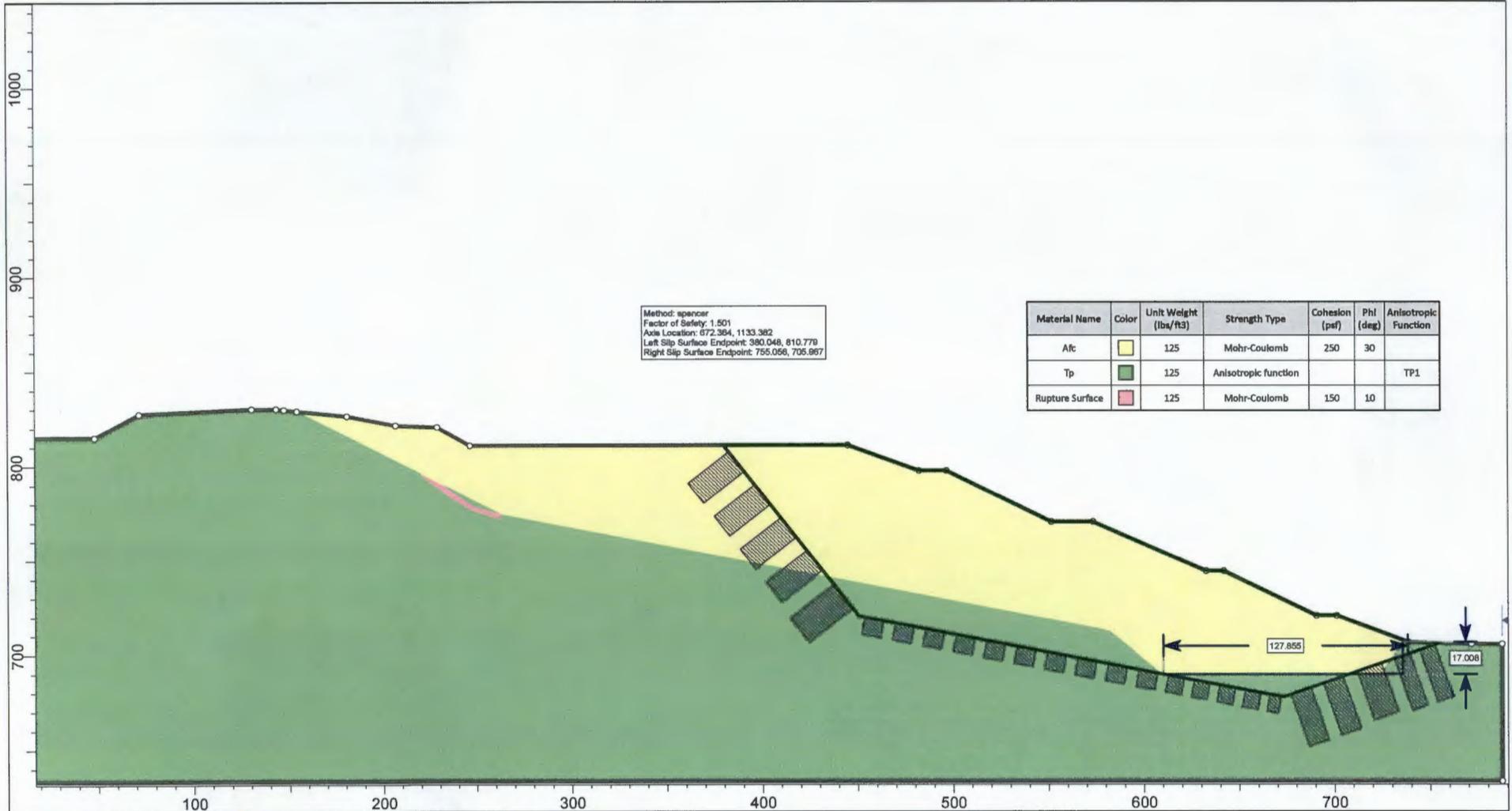
	Project				Industry Business Center	
	Analyzed By	J. Dupre	Units	feet	Scale	1:900
	Date	May 2015	Condition	Static		
						10291.005

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Section FF-FF'

Block Search for Failure Surfaces - Final Stability Analysis

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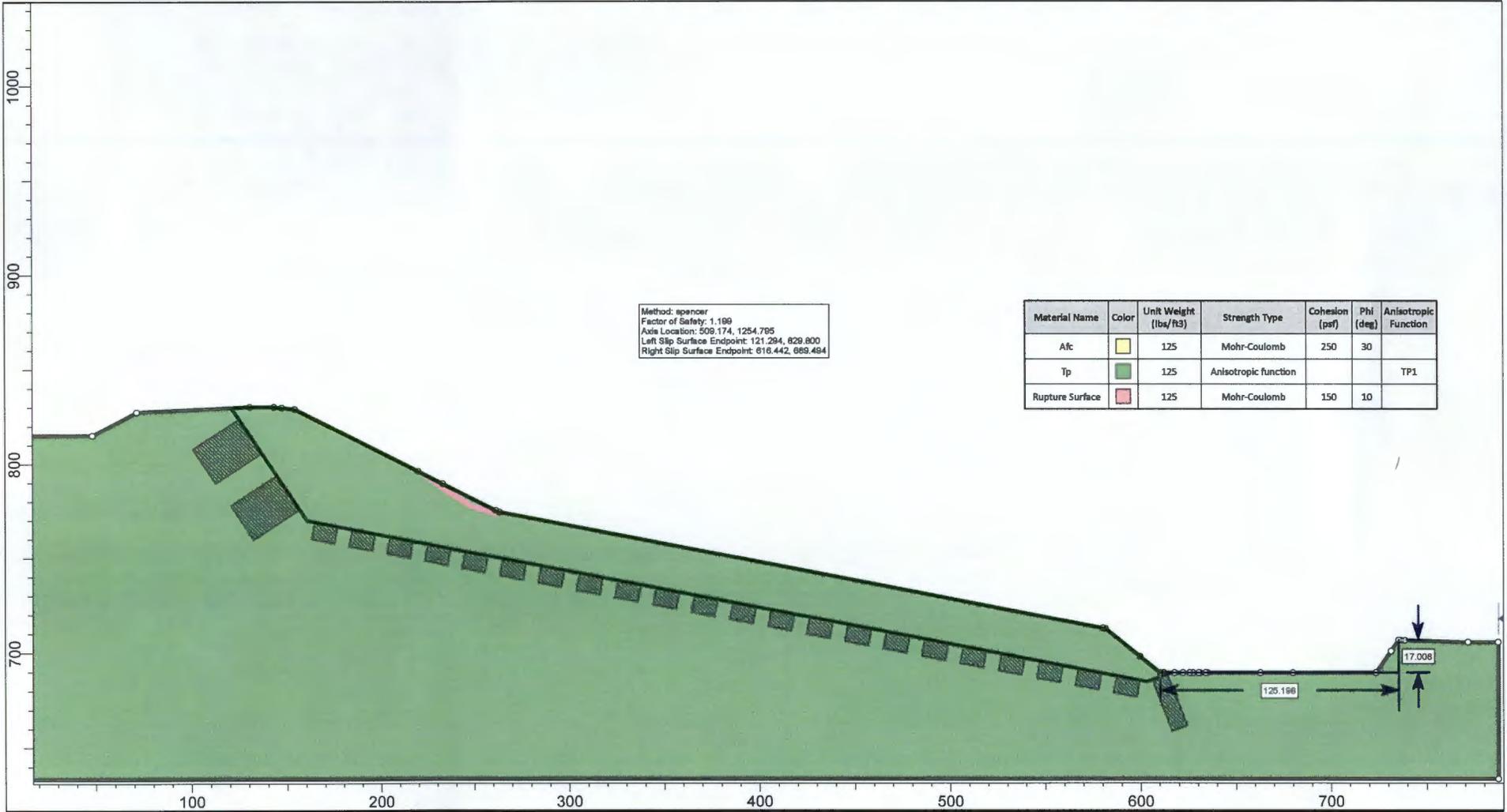
Project		Industry Business Center	
Analyzed By	J. Dupre	Units	feet
Date	May 2015	Scale	1:900
		Condition	Static
			10291.005

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Section FF-FF'

Block Search for Failure Surfaces - Backcut Stability

P:\INFOCUS PROJECTS\10001-10499\10291 IUDA Diamond Bar Creek\005 East Side Grading\Analyses\SLIDE\Section FF-FF'\FF-FF' Rev17.slim



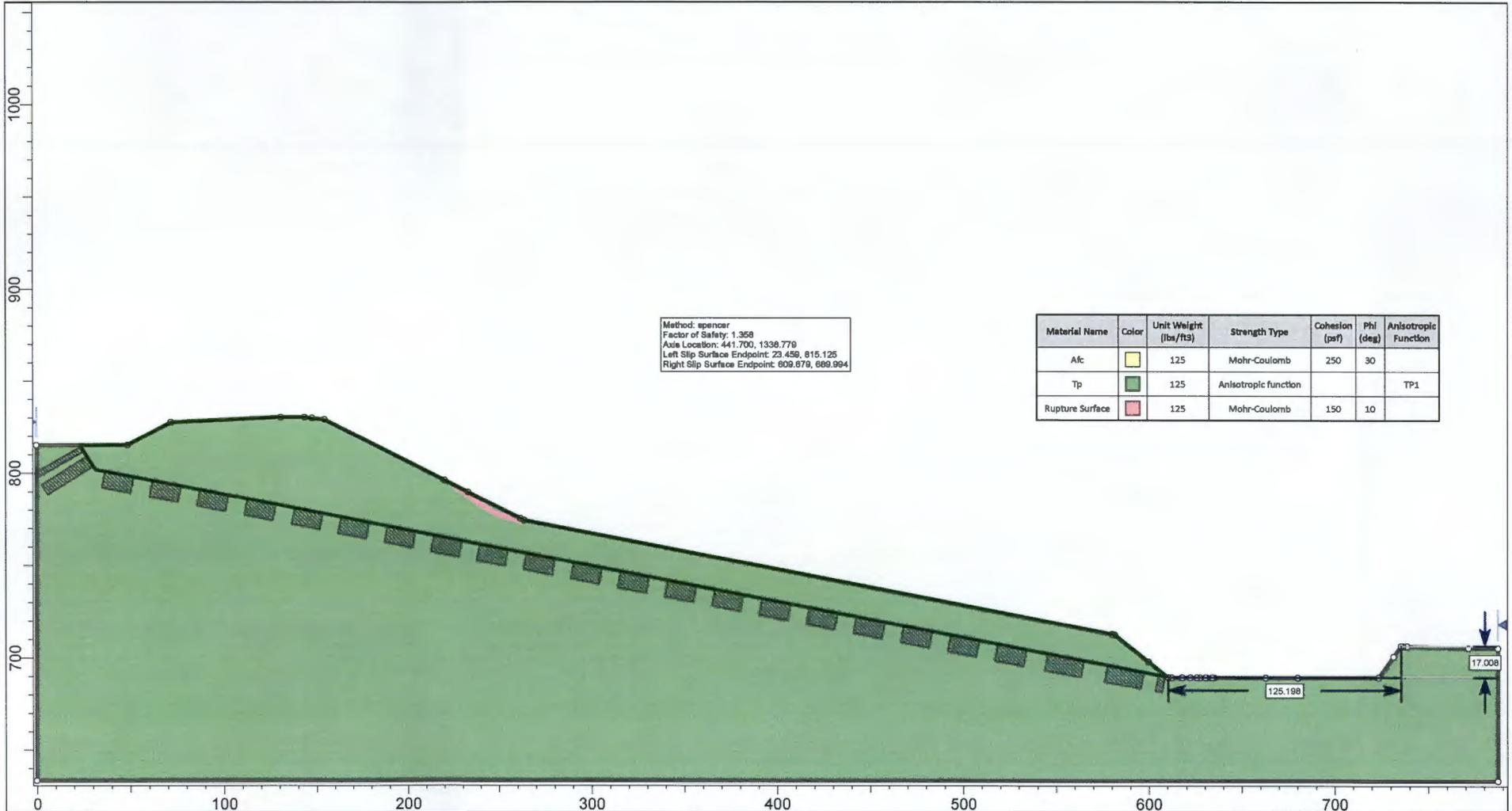
	Project: Industry Business Center				10291.005
	Analyzed By: J. Dupre	Units: feet	Scale: 1:900		
	Date: May 2015	Condition: Static			

DRAFT

Section FF-FF'

Block Search for Failure Surfaces - Forced Backcut Stability to Building Pad

P:\INFOCUS PROJECTS\10001-10499\10291 IUDA Diamond Bar Creek\005 East Side Grading\Analyses\SLIDE\Section FF-FF'\FF-FF' Rev20.slm



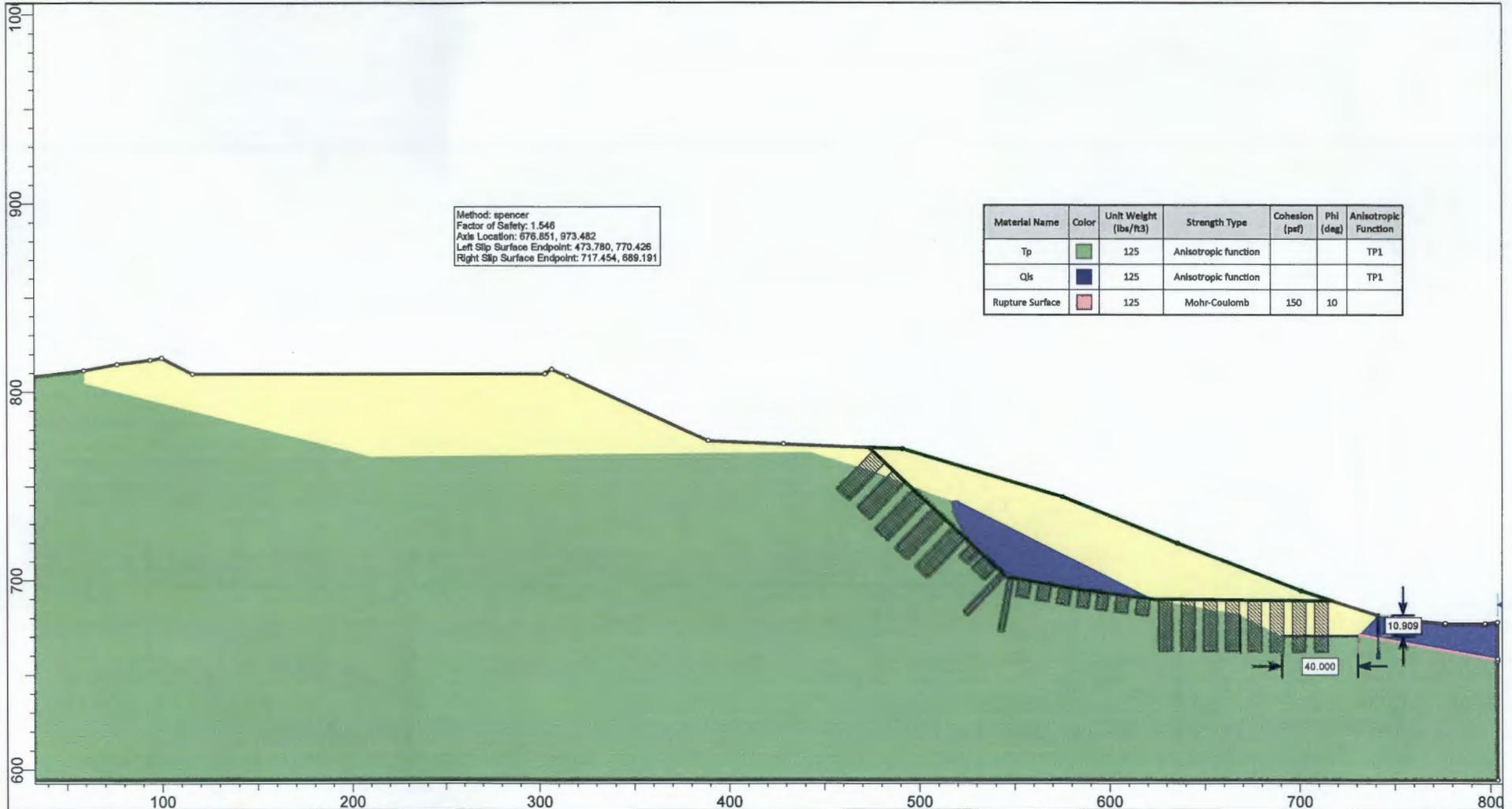
	Project				Industry Business Center	
	Analyzed By	J. Dupre	Units	feet	Scale	1:925
	Date	May 2015	Condition	Static		
						10291.005

DRAFT

Section EE-EE'

Block Search for Failure Surfaces - Final Stability Analysis

P:\INFOCUS PROJECTS\10001-10499\10291 IUDA Diamond Bar Creek\005 East Side Grading\Analyses\SLIDE\Section EE-EE'\EE-EE' Rev28 New Design.slm



Method: spencer
 Factor of Safety: 1.546
 Axis Location: 676.851, 973.482
 Left Slip Surface Endpoint: 473.780, 770.426
 Right Slip Surface Endpoint: 717.454, 689.191

Material Name	Color	Unit Weight (lbs/ft ³)	Strength Type	Cohesion (psf)	Phi (deg)	Anisotropic Function
Tp	Green	125	Anisotropic function			TP1
Qs	Blue	125	Anisotropic function			TP1
Rupture Surface	Pink	125	Mohr-Coulomb	150	10	



SLIDEINTERPRET 6.035

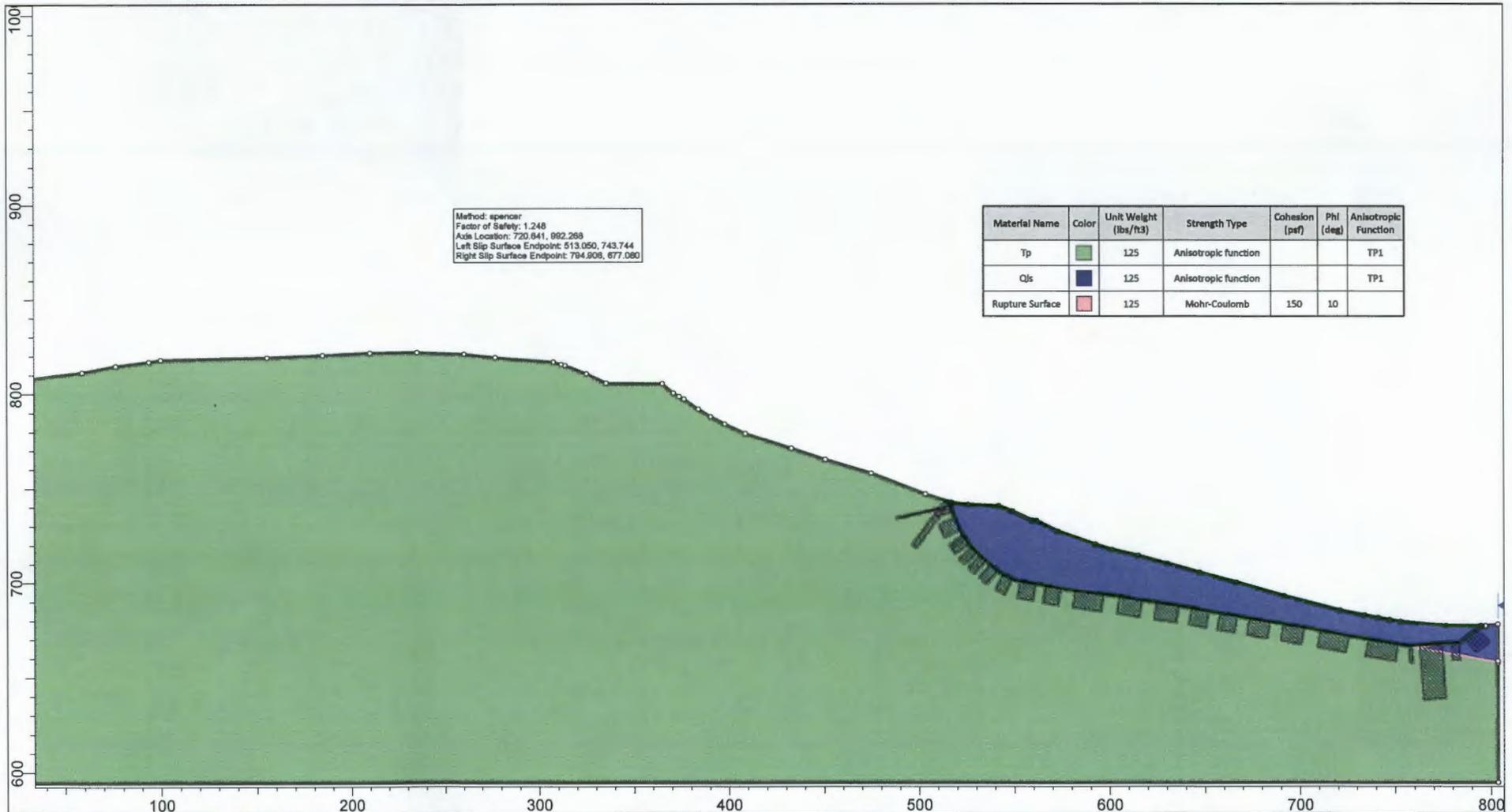
Project		Industry East		10291.005		
Analyzed By	J. Dupre	Units	feet		Scale	1:900
Date	May 2015	Condition	Static			

DRAFT

Section EE-EE'

Block Search for Failure Surfaces - Backcut Stability

P:\INFOCUS PROJECTS\10001-10499\10291 IUDA Diamond Bar Creek\005 East Side Grading\Analyses\SLIDE\Section EE-EE'\EE-EE' Rev31.slim



	Project			Industry East		10291.002	
	Analyzed By	J. Dupre	Units	feet	Scale		1:900
	Date	May 2015	Condition	Static			

SUCCESSOR AGENCY

ITEM NO. 5.8

MEMORANDUM

TO: Kevin Radecki, Executive Director **DATE:** June 18, 2015
FROM: Eduardo Pereira
Joshua Nelson **CONTRACT NO.:** IBC-0383
SUBJECT: Industry Business Center 66kv Transmission Line Relocation Project

At the direction of the Successor Agency staff, Southern California Edison (SCE) and CNC Engineering have assembled the plans and specifications for the above project. This project was advertised on May 8, 2015 as Contract No. IBC-0383, per prior approval of the Successor Agency Board.

This project is listed under Line Item No. 217 among other contracts on the Recognized Obligation Payment Schedule. This project is described as The Mass Grading, Infrastructure and Landscaping for the 600 acre property, known as the Industry Business Center. The payee was listed as "Contractor - by public bidding" as one has yet to be selected.

This phase of construction involves the installation of the 66kv underground conduits, vaults and appurtenant structures. It paves the way for SCE to install the necessary cables and transmission steel poles and eventually cutover the existing overhead 66kv transmission lines to this new underground system. Ultimately, SCE will remove the existing 66kv towers to permit the completion of mass grading of the Industry Business Center west of Grand Avenue.

The updated estimate cost for this project is \$650,000.00

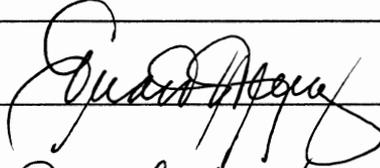
Thirteen (13) contractors obtained plans and specifications for bidding:

A.D. Wilson	Arizona Pipeline Company
Herman Weissker, Inc.	Hot Line Construction, Inc.
Ian Thomas Group	International Line Builders, Inc.
Minco Construction	Northwest Excavating, Inc.
Perry C. Thomas Construction	Precon Products
Southern Contracting Company	Vantage Utility Services
W.A. Rasic	

Of the thirteen (13) planholders, nine (9) contractors submitted bids, which were received on June 16, 2015 at 10:00 a.m. The bids ranged from \$658,661.50 to \$912,625.00. The bids were reviewed but various discrepancies were found.

Kevin Radecki
June 18, 2015
Page Two

Therefore, in the best interest of the Successor Agency, it is hereby recommended that the Successor Agency Board reject all bids and authorize re-bidding the project as IBC-0383R.

By: Eduardo Pereira Signature: 
Sr. Project Engineer

By: Joshua Nelson Signature: 
Sr. Project Manager

EP:JN/jv

ESTIMATE FOR:

**SUCCESSOR AGENCY TO THE INDUSTRY URBAN-DEVELOPMENT
AGENCY**

PROJECT NO. 383

**INDUSTRY BUSINESS CENTER 66KV TRANSMISSION LINE RELOCATION
PROJECT**

CONTRACT NO. IBC-0383R

**ENGINEER'S ESTIMATE
\$650,000.00**

NOTICE INVITING SEALED BIDS FOR:

SUCCESSOR AGENCY TO THE INDUSTRY URBAN-DEVELOPMENT AGENCY

PROJECT NO. 383

**INDUSTRY BUSINESS CENTER 66KV TRANSMISSION LINE RELOCATION
PROJECT**

CONTRACT NO. IBC-0383R

The **SUCCESSOR AGENCY TO THE INDUSTRY URBAN-DEVELOPMENT AGENCY**, hereinafter referred to as the **AGENCY**, will receive sealed bids for the construction of the above project until **10:00 A.M. on July 28, 2015**, in the City Administrative Office, located at 15625 East Stafford Street in the City of Industry, California 91744. All bids will be opened and read in public immediately thereafter.

If a sealed bid is to be mailed, it must be mailed to the City Administrative Office, Post Office Box 3366, City of Industry, California 91744.

It is the responsibility of the bidder to be sure the sealed bid is in the possession of the City Clerk, City of Industry, prior to the date and time indicated.

At the time of submission of the bid and thereafter, each bidder must be licensed as a **Class A General Engineering and/or C-10 Electrical Contractor and appropriate subcontractors** as defined in 7055-7058 of the Business and Professions Code. Each bidder shall set forth on the Bidder's Information Sheet and the Contractor's License Affidavit the classification and number of the requisite license which the bidder holds.

The **AGENCY** reserves the right to award the contract to the contractor with another license class if the **AGENCY** determines that the license class is proper for the proposed work.

A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5.

Please note: *It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.* Any bids submitted without proof that bidder and any listed subcontractor(s) are currently registered and qualified to perform public work, pursuant to Labor Code Section 1725.5, may not be accepted by the City.

(Continued)

The Scope of Work is as follows: Procure and construct/install 66kv underground conduits including vaults, manholes and appurtenant structures.

Plans and Specifications are available for inspection at the City Administrative Offices, and may be obtained with bid forms at the City Engineering Offices located at 255 North Hacienda Blvd., Suite 222, City of Industry, California 91744.

The bidders may make arrangements by contacting CNC Engineering, (626) 330-0336, to see the site. The Contractor needs to see the site and is required to certify that someone from their firm examined the site, per the statement at the end of the Bid Schedule, in Section C.

There is a non-refundable fee of **\$30.00** for each set of plans and specifications. No cash will be accepted. Checks should be made payable to the **SUCCESSOR AGENCY TO THE INDUSTRY URBAN-DEVELOPMENT AGENCY.**

(Continued)

**SUCCESSOR AGENCY TO THE INDUSTRY URBAN-DEVELOPMENT AGENCY
PROJECT NO. 383**

INDUSTRY BUSINESS CENTER 66KV TRANSMISSION LINE RELOCATION PROJECT

CONTRACT NO. IBC-0383R

Each bid shall be accompanied by a bid guarantee in the form of a Certified or Cashier's Check or Bidder's Bond for not less than ten percent (10%) of the total amount of the bid, made payable to the **SUCCESSOR AGENCY TO THE INDUSTRY URBAN-DEVELOPMENT AGENCY**.

The contractor may, at his own expense, substitute securities for monies to be withheld to ensure performance under the contract.

By the order of the **SUCCESSOR AGENCY TO THE INDUSTRY URBAN-DEVELOPMENT AGENCY** dated **June 24, 2015**.

Mark Radecki - Chairman

SECTION A
NOTICE INVITING SEALED BIDS FOR:

SUCCESSOR AGENCY TO THE INDUSTRY URBAN-DEVELOPMENT AGENCY
PROJECT NO. 383

INDUSTRY BUSINESS CENTER 66KV TRANSMISSION LINE RELOCATION PROJECT
CONTRACT NO. IBC-0383R

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Plans and Specifications are available for inspection at the City Administrative Office, and may be obtained with bid forms, at the City Engineering Offices, 255 North Hacienda Blvd., Suite 222, City of Industry, CA 91744.

The bidders may make arrangements by contacting CNC Engineering, (626) 330-0336, to see the site. The Contractor needs to see the site and is required to certify that someone from their firm examined the site, per the statement at the end of the Bid Schedule, in Section C.

There is a non-refundable fee of **\$30.00** for each set of plans and specifications. No cash will be accepted. Checks should be made payable to the **SUCCESSOR AGENCY TO THE INDUSTRY URBAN-DEVELOPMENT AGENCY**.

The bid shall be accompanied by a bid guarantee in the form of a Certified or Cashier's Check or Bidder's Bond for not less than ten percent (10%) of the total amount of the bid, payable to the **SUCCESSOR AGENCY TO THE INDUSTRY URBAN-DEVELOPMENT AGENCY**. The bid guarantee is to insure that the bidder, if awarded the work, will enter into a contract with the AGENCY. Failure of a contractor to enter into a contract within ten (10) days following award will cause the bid guarantee to be forfeited.

The AGENCY may, upon refusal or failure of a successful responsible bidder to accept the contract, award it to the next lowest bidder. If the AGENCY awards the contract to the second lowest bidder, the amount of the lowest bidder's bid guarantee shall be applied by the AGENCY to the difference between the low bid and the second lowest bid; the surplus, if any, shall be returned to the lowest bidder if cash is used, or to the surety company if a bond is used.

The successful bidder will be required to furnish a labor and materials bond in an amount equal to one hundred percent (100%) of the contract price and a faithful performance bond in an amount equal to one hundred percent (100%) of the contract price. A maintenance bond equal to ten percent (10%) of the total bid price amount is to remain in force for one (1) year after the date of completion of work, shall be submitted prior to execution of contract. The above bonds shall be secured by a surety company satisfactory to the AGENCY, and licensed as a Surety Insurer in the State of California and rated at least B+:V in the latest "Best's Insurance Guide." The attached bond forms shall be used without exception.

CONTRACTOR

LIABILITY INSURANCE

Contractor shall obtain and maintain at all times during the term of this agreement Comprehensive General Liability insurance protecting Contractor in amounts not less than \$1,000,000.00 and Automobile Liability Insurance protecting Contractor in amounts not less than \$1,000,000.00. If an umbrella or excess coverage is in effect, it must follow the form of the underlying coverage. Such insurance shall name CNC Engineering; City of Industry; Successor Agency to the Industry Urban-Development Agency; Civic-Recreational-Industrial Authority DBA Industry Hills Recreation and Conference Center; Majestic Industry Hills, LLC; Parking Authority of the City of Industry; City of Industry Waterworks System; Industry Hills Recreation and Conference Center; and their Officers, Employees, Elected Officials and Members of Boards or

Commissions as additional insured parties. Coverage shall be in accordance with the sample certificates and endorsements attached hereto and must include the coverage and provisions indicated.

Contractors using the new I.S.O. form of coverage shall include Endorsement #CG25031185, which provides limits for each separate project that is being undertaken by said contractor.

Contractor shall file and maintain the required certificate(s) of insurance with the Lessor to this agreement at all times during the term of this agreement. The certificate(s) is to be filed prior to the commencement of the work or event and should state clearly:

- (1) The additional insured requested.
- (2) A minimum of ten (10) days prior written notice of cancellation for non-payment of premium and a minimum of thirty (30) days notice of cancellation for any other reason.
- (3) That the insurance is primary to that of the Additional insured.
- (4) Included coverage.
- (5) Cross-Liability Clause.

WORKER'S COMPENSATION INSURANCE

Contractor shall obtain and maintain at all times during the term of this agreement Worker's Compensation and Employer's Liability insurance and furnish the Additional Insured with a certificate showing proof of such coverage. Insurance company must waive subrogation rights against the above-named additional insureds. An endorsement to that effect must accompany the certificate of coverage.

INSURANCE COMPANIES

Insurance companies must be admitted in California and rated at least B+:XIII in *Best's Insurance Guide*. Non-admitted insurance companies will be considered if they are rated at least A:XIII or better and have a ratio of 3:1 for premium to policy holder surplus or lower in the latest *Best's Insurance Guide*.

Furnish additional insured with an endorsement waiving subrogation against them by the insurance carrier.

All liability insurance policies shall bear an endorsement or shall have attached a rider whereby it is provided that, in the event of expiration or proposed cancellation of such policies for any reason whatsoever, the AGENCY shall be notified by registered mail, return receipt requested, giving a sufficient time before the date thereof to comply with any applicable law or statute, but in no event less than 10 days in advance of the effective date of cancellation due to non-payment of premium and not less than 30 days in advance of the effective date of cancellation for any other reason or for a policy change.

Notification for all above insurance items shall be submitted to: City of Industry Engineering Offices, 255 North Hacienda Blvd., Suite 222, City of Industry, CA 91744, Attention: Rachel Gonzalez. Failure to provide the AGENCY with written notice of cancellation or any change in required insurance may constitute a material breach of the Contract, in the sole discretion of the AGENCY, upon which the AGENCY may suspend or terminate the Contract.

EXPERIENCE AND SAFETY

The successful bidder may be required to submit a statement attesting to its financial responsibility, technical ability, experience and safety record.

PREVAILING WAGES

Pursuant to the provisions of Section 1773 of the Labor Code of the State of California, the contractor is required to pay not less than the general prevailing rate of wages for each craft, classification, or type of workman needed in the execution of the public work under the jurisdiction of the AGENCY. The general prevailing wages shall be these determined by the Director of the Department of Industrial Relations of the State of California. Copies of the applicable determination by the AGENCY are on file in the office of the AGENCY and are hereby incorporated and made a part hereof the same as though fully set forth herein. Copies of the applicable determination may be obtained at the office of the AGENCY.

CONTRACTOR REGISTRATION PROGRAM

A contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5.

Please note: *It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.* Any bids submitted without proof that bidder and any listed subcontractor(s) are currently registered and qualified to perform public work, pursuant to Labor Code Section 1725.5, may not be accepted by the City.

LABOR COMPLIANCE MONITORING AND ENFORCEMENT

The project is subject to compliance monitoring and enforcement by the Department of Industrial Relations (California Labor Code Section 1771.4).

AGREEMENT

When the award of a contract is made to a corporation, the Agreement must be signed by the Secretary/Treasurer of the corporation in addition to the signature of the President/Vice President, or the public agency needs to receive a copy of a resolution adopted by the Board of Directors of the corporation indicating that the party executing the contract has the authority to bind the corporation.

SURETY BONDS

All surety bonds issued in connection with projects for public works must be accompanied by a power of attorney from the surety company authorizing the person executing the bond to sign on behalf of the company. The bonds must also be acknowledged by a Notary Public to the effect that the signature by the surety's representative is that of the person designated in the Power of Attorney.

By the order of the **SUCCESSOR AGENCY TO THE INDUSTRY URBAN-DEVELOPMENT AGENCY** dated **June 24, 2015**.

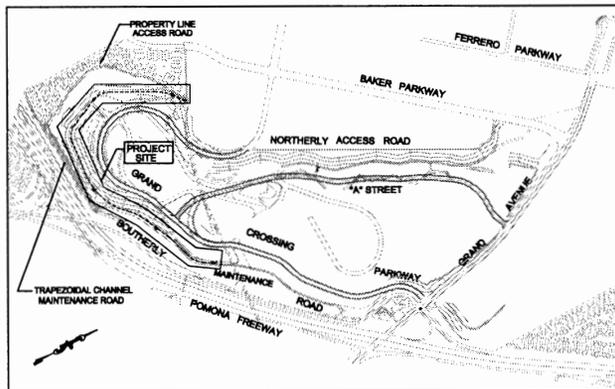
Mark Radecki - Chairman

GENERAL NOTES

- UNLESS OTHERWISE NOTED, ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION WITH ALL CURRENT SUPPLEMENTS, PUBLISHED BY BUILDING NEWS INC., LOCATED AT 1812 SOUTH CLAYMATE ST., ANAHEIM, CA 92802 AND APPROPRIATE STANDARD DRAWINGS.
- PRIOR TO BEGINNING ANY WORK, THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE CITY OF INDUSTRY PERMIT OFFICE AT 255 N. HACIENDA BLVD. CITY OF INDUSTRY, CA 91744, (828) 333-0338.
- ALL WORK COVERED BY THIS PLAN SHALL BE INSPECTED BY THE CITY ENGINEER. REQUEST FOR INSPECTION SERVICE SHALL BE MADE 24-HOURS IN ADVANCE AT (828) 333-0338.
- WORK IN EXISTING STREETS SHALL BE COMPLETED AS SOON AS POSSIBLE TO MINIMIZE INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND THE TRAVELING PUBLIC. FAILURE TO COMPLY WITH THIS REQUIREMENT IS A VIOLATION OF CITY ORDINANCE.
- THE CONTRACTOR SHALL NOTIFY THE LOS ANGELES COUNTY FIRE DEPARTMENT (828) 983-2417 AND THE LOS ANGELES SHERIFF DEPARTMENT (828) 330-3322 AT THE CITY OF INDUSTRY SUBSTATION AT LEAST 48-HOURS PRIOR TO START OF WORK.
- 48-HOURS PRIOR TO ANY STREET WORK, THE CONTRACTOR SHALL CALL THE UNDERGROUND SERVICE ALERT AT 1 (800) 422-4133 AND OBTAIN AN INQUIRY IDENTIFICATION NUMBER.
- ALL UTILITY TRENCHES IN PUBLIC STREETS SHALL BE BACKFILLED WITH A CLEAN GRANULAR MATERIAL HAVING A MINIMUM SAND EQUIVALENT OF 30. BACKFILL SHALL BE COMPACTED TO A MINIMUM RELATIVE DENSITY OF 90 PERCENT.
- THE OPTION OF USING SLAG OR CRUSHED MISC. BASE (CMB) IN LIEU OF CRUSHED AGGREGATE BASE FOR ANY STREET IMPROVEMENT IS NOT ALLOWED.
- EXISTING CONCRETE IMPROVEMENTS AND ASPHALT CONCRETE PAVEMENT SHALL BE SAW CUT, FULL DEPTH, TO A TRUE LINE WHERE NEW CONCRETE OR ASPHALT IS TO JOIN.
- THE CONTRACTOR SHALL PROTECT AND RESTORE EXISTING UTILITIES AND IMPROVEMENTS AS PER SECTION 5-1, 5-2, AND 7-9 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL UTILITIES OF EVERY NATURE, WHETHER SHOWN HEREON OR NOT, TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF SAID UTILITIES DAMAGED BY OPERATIONS IN CONNECTION WITH THE PROSECUTION OF THE WORK.
- ANY CONTRACTOR OR SUBCONTRACTOR PERFORMING WORK ON THIS PROJECT SHALL FAMILIARIZE HIMSELF WITH THE SITE AND SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES RESULTING DIRECTLY OR INDIRECTLY FROM HIS OPERATIONS, WHETHER OR NOT SUCH FACILITIES ARE SHOWN ON THESE PLANS.

**SUCCESSOR AGENCY TO THE
INDUSTRY URBAN-DEVELOPMENT AGENCY
IMPROVEMENT PROJECT NO. 383R**

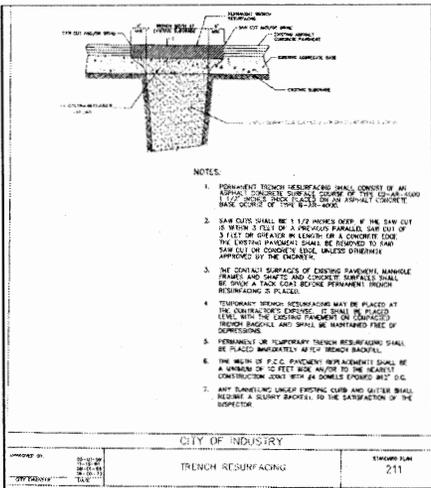
**INDUSTRY BUSINESS CENTER
66 KV TRANSMISSION LINE RELOCATION PROJECT
CONTRACT NO. IBC-0383R**



VICINITY MAP
NOT TO SCALE

SYMBOLS AND LEGEND:

- ⊙ EXIST POWER POLE (000) EXISTING ELEVATION
- ⊙ EXIST TELEPHONE POLE 000 PROPOSED ELEVATION
- EXIST SIGN TC TOP OF CURB
- ⊠ EXIST CATCH BASIN FL FLOW LINE
- ⊠ EXIST FIRE HYDRANT GB GRADE BREAK
- ⊠ EXIST WATER VALVE GB CURB AND GUTTER
- ⊙ EXIST TELEPHONE MANHOLE CF CURB FACE
- ⊙ EXIST SEWER MANHOLE CB CATCH BASIN
- ⊙ EXIST DRAIN MANHOLE CB CATCH BASIN
- ⊙ EXIST ELECTRIC MANHOLE AC ASPHALT CONCRETE
- ⊙ EXIST TRAFFIC SIGNAL CAB CRUSHED AGGREGATE BASE
- ⊠ EXIST STREET LIGHT PCC PORTLAND CEMENT CONCRETE
- ⊠ EXIST DRIVEWAY DMV DRIVEWAY
- ⊠ EXIST DRIVEWAY TO BE RECONSTRUCTED R.O.W. RIGHT OF WAY
- ⊠ EXIST CURB & GUTTER FS FINISHED SURFACE
- ⊠ EXIST RAILROAD SIGN EX EXISTING
- EXIST GAS LINE CENTER LINE
- EXIST SEWER LINE E PROPERTY LINE
- EXIST WATER LINE R CSO COUNTY SANITATION DISTRICT
- EXIST DRAIN LINE ARHM-GG ASPHALT RUBBER HOT MIX-GAP GRADE
- EXIST TELEPHONE LINE BVC BEGIN VERTICAL CURVE
- EXIST ELECTRIC LINE EVC END VERTICAL CURVE
- EXIST PETROLEUM LINE BNC BEGIN NORMAL CROWN
- EXIST CHAIN LINK FENCE ENC END NORMAL CROWN
- ⊙ EXISTING TREE LC LEVEL CROWN
- ⊙ CONSTRUCTION NOTE PC REVERSE CROWN
- ⊙ EXC. PCC PAVEMENT BFS BEGIN FULL SUPERELEVATION
- ⊙ EFS END FULL SUPERELEVATION



INDEX OF DRAWINGS

DRAWG. NO.	SHT. NO.	DESCRIPTION
1	1 OF 1	TITLE SHEET, VICINITY MAP, GENERAL NOTES, INDEX OF DRAWINGS, NOTICE TO CONTRACTOR, SYMBOLS AND LEGEND
2	1 OF 5	SOUTHERN CALIFORNIA EDISON TITLE SHEET
3	2 OF 5	SOUTHERN CALIFORNIA EDISON PLAN
4	3 OF 5	SOUTHERN CALIFORNIA EDISON PLAN
5	4 OF 5	SOUTHERN CALIFORNIA EDISON PLAN
6	5 OF 5	SOUTHERN CALIFORNIA EDISON PLAN
7	1 OF 2	STORM WATER POLLUTION PREVENTION PLAN
8	2 OF 2	STORM WATER POLLUTION PREVENTION PLAN

NOTICE TO CONTRACTOR

APPROVAL OF THIS PLAN BY THE ENGINEER AND CITY ENGINEER DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OR THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES WITHIN THE LIMITS OF THIS PROJECT. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS.

NO.	DATE	REVISIONS	CK. BY



CITY OF INDUSTRY

INCORPORATED JUNE 18, 1957

P.O. Box 3356, City of Industry, California 91744
Administrative Offices: 13651 E. Stafford Street
(828) 333-2211



Prepared by:
CNC ENGINEERING
CONSULTING CIVIL ENGINEERS & SURVEYORS
255 N. Hacienda Blvd., Ste. 202
City of Industry, Ca. 91744
Phone (828) 333-0338
Fax (828) 338-7078

JOSHUA NELSON, R.C.E. 86959 DATE
DESIGN BY: RL DRAWN BY: J.B.P.

**SUCCESSOR AGENCY TO THE
INDUSTRY URBAN-DEVELOPMENT AGENCY**

APPROVED BY: _____ DATE _____
JOHN D. BALLAS, R.C.E. 34311, CITY ENGINEER

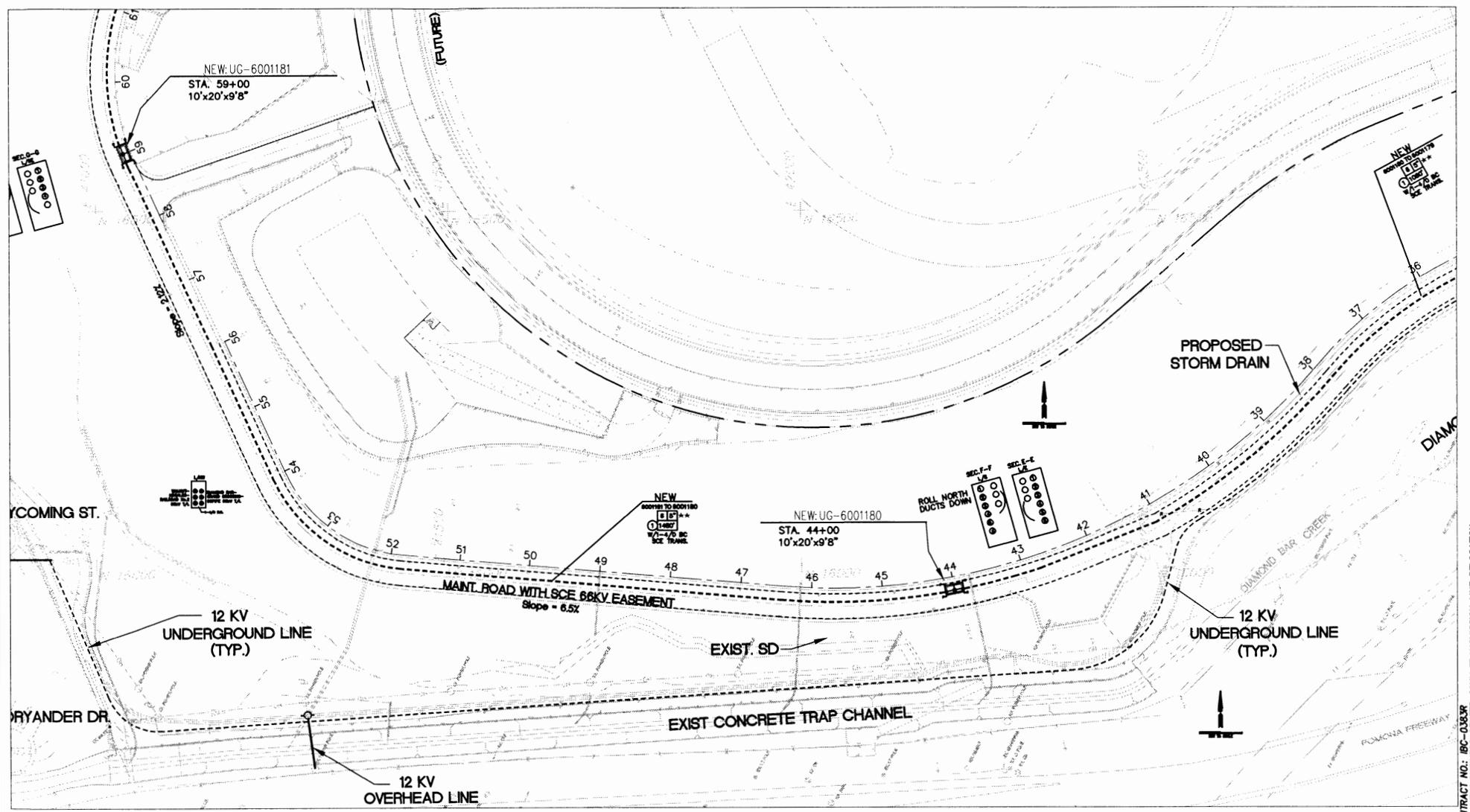
**INDUSTRY BUSINESS CENTER
66 KV TRANSMISSION LINE RELOCATION PROJECT**

VICINITY MAP, GENERAL NOTES, INDEX OF DRAWINGS
NOTICE TO CONTRACTOR, SYMBOLS AND LEGEND

CHECKED BY: JLN DATE: JUNE 2015
JOB NO.: IBC-0383R SHT. 1 OF 1

CONTRACT DRAWING NO. 1 OF 8

CONTRACT NO.: IBC-0383R
INDUSTRY BUSINESS CENTER
66KV TRANSMISSION LINE RELOCATION



CONTRACT NO: IBC-0383R
INDUSTRY BUSINESS CENTER 66KV TRANSMISSION LINE RELOCATION

FINAL DESIGN
APPROVED FOR CONSTRUCTION

DATE	REVISION DESCRIPTION	BY	CHKD	APP'D

DESIGNER	26 - CIVIL	DATE	10/15/24	PROJECT	INDUSTRY BUSINESS CENTER 66KV TRANSMISSION LINE RELOCATION
PROJECT	INDUSTRY BUSINESS CENTER 66KV TRANSMISSION LINE RELOCATION	DATE	10/15/24	PROJECT	INDUSTRY BUSINESS CENTER 66KV TRANSMISSION LINE RELOCATION
DATE	10/15/24	PROJECT	INDUSTRY BUSINESS CENTER 66KV TRANSMISSION LINE RELOCATION	PROJECT	INDUSTRY BUSINESS CENTER 66KV TRANSMISSION LINE RELOCATION
PROJECT	INDUSTRY BUSINESS CENTER 66KV TRANSMISSION LINE RELOCATION	PROJECT	INDUSTRY BUSINESS CENTER 66KV TRANSMISSION LINE RELOCATION	PROJECT	INDUSTRY BUSINESS CENTER 66KV TRANSMISSION LINE RELOCATION
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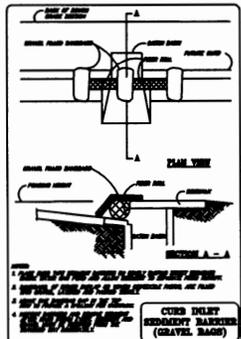
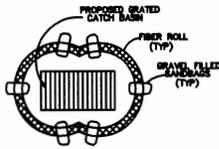
WATER POLLUTION PREVENTION PLAN

INDUSTRY BUSINESS CENTER

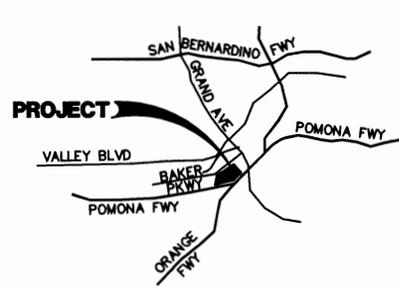
66 KV TRANSMISSION LINE RELOCATION

**STORM WATER POLLUTION PREVENTION PLAN (SWPPP)/
WET WEATHER EROSION CONTROL (WWECP) GENERAL NOTES:**

1. IN CASE OF EMERGENCY, CALL JANES 911 AT 952-360-9922.
2. A STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE EARLY STAGES OF CONSTRUCTION TO ATTEMPT TO PREVENT POLLUTANTS FROM BEING TRANSPORTED TO RECEIVING WATERS BY CONDUIT LOCATIONS TO FACILITATE EARLY CONSTRUCTION OF EMERGENCY SERVICES WHEN SAME IS REQUIRED.
3. EROSION CONTROL MEASURES SHOWN ON THIS PLAN MAY BE REMOVED WHEN APPROVED BY THE BUILDING OFFICIAL IF THE SEASONAL OPERATIONS HAVE PROCEEDED TO THE POINT WHERE THEY ARE NO LONGER REQUIRED.
4. GRADED AREAS ADJACENT TO ALL BARRIERS LOCATED AT THE SITE OPERATOR MUST STAY AWAY FROM THE TOP OF BARRIERS AT THE CONCLUSION OF EACH WORKING DAY. ALL LARGE SOILS AND ROCKS THAT MAY CREATE A POTENTIAL HAZARD TO OFF-SITE PROPERTY SHALL BE STABILIZED OR REMOVED FROM THE SITE ON A DAILY BASIS.
5. ALL SILT AND SOILS SHALL BE REMOVED FROM ALL VEHICLES WITHIN 24 HOURS AFTER EACH DEPARTURE AND BE DEPOSITED AT PROPERLY.
6. A BARRIERS SHALL BE COVERED TO PREVENT THE ESCAPEMENT OF OILS OF GREASE FROM ANY LEAKS EXCEEDING TWO (2) GALLONS PER HOUR. BARRIERS SHALL BE MAINTAINED AND PAINTED TO WITHIN 24 HOURS AFTER EACH DEPARTURE. BARRIERS AND CURBS SHALL BE MAINTAINED AND PAINTED TO WITHIN 24 HOURS AFTER EACH DEPARTURE.
7. THE PLACEMENT OF BARRIERS SHALL BE APPROVED BY THE BUILDING OFFICIAL AND CONTAIN POLLUTANTS WITHIN THE SITE IS LEFT TO THE DISCRETION OF THE FIELD ENGINEER. BARRIERS OR BARRIERS SHALL BE INSTALLED TO RETAIN SEDIMENT AND OTHER POLLUTANTS ON SITE.
8. CURBS AND BARRIERS MAY NOT BE REMOVED OR MADE RESPONSIBLE BETWEEN NOVEMBER 1 AND APRIL 15 OF THE FOLLOWING YEAR WITHOUT THE APPROVAL OF THE BUILDING OFFICIAL.
9. STORM WATER POLLUTION AND EROSION CONTROL MEASURES ARE TO BE MAINTAINED AS NECESSARY AS THE PROJECT PROGRESSES. THE DESIGN AND PLACEMENT OF THESE DEVICES IS THE RESPONSIBILITY OF THE FIELD ENGINEER. PLANS REPRESENTING CHANGES MUST BE SUBMITTED FOR APPROVAL BY THE BUILDING OFFICIAL.
10. EVERY EROSION CONTROL MEASURE TO MAINTAIN THE EROSION CONTROL MEASURES MUST BE MAINTAINED AT ALL TIMES.
11. EXCESS SEDIMENT AND OTHER POLLUTANTS SHALL BE STORED ON-SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA STREET, HIGHWAY, RAILROAD, CANALS, NATURAL CHANNELS, OR OTHER RECEIVING WATERS.
12. EXCESS SEDIMENT AND OTHER POLLUTANTS SHALL BE STORED ON-SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA STREET, HIGHWAY, RAILROAD, CANALS, NATURAL CHANNELS, OR OTHER RECEIVING WATERS.
13. EXCESS SEDIMENT AND OTHER POLLUTANTS SHALL BE STORED ON-SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA STREET, HIGHWAY, RAILROAD, CANALS, NATURAL CHANNELS, OR OTHER RECEIVING WATERS.
14. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC UTILITY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETURN CONCRETE WASTE ON-SITE UNTIL THEY CAN BE DEPOSITED AS A SOLID WASTE.
15. DEVELOPERS/CONTRACTORS ARE RESPONSIBLE TO NOTIFY THAT ALL EROSION CONTROL DEVICES AND MEASURES ARE INSTALLED AND MAINTAINED PROPERLY IF THERE IS A CHANGE OF PLAN NUMBER OR GREATER THAN INDICATED PRESCRIPTIONS AND AFTER ACTUAL PRESCRIPTIONS. A CONSTRUCTION SITE INSPECTION CHECKLIST AND INSPECTION LOG SHALL BE MAINTAINED AT THE PROJECT SITE AT ALL TIMES AND AVAILABLE FOR REVIEW BY THE BUILDING OFFICIAL (COPIES OF THE SELF-INSPECTION CHECK LIST AND INSPECTION LOGS ARE AVAILABLE UPON REQUEST).
16. STORM AND CONSTRUCTION-RELATED SOLID WASTES MUST BE DEPOSITED INTO A CONTAINER ACCEPTABLE TO PREVENT CONTAMINATION OF SURROUNDING AREAS AND SOILS.
17. SEDIMENT AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLES TRAFFIC. THE CONSTRUCTION ENTRANCE ROADS MUST BE STABILIZED SO AS TO PREVENT TRACKING FROM AREAS EXPOSED BY THE PUBLIC. ANY ACCIDENTAL DEPOSITIONS MUST BE DEPOSITED IMMEDIATELY AND NOT BE TRACKED FROM THE SITE BY VEHICLES.
18. ANY SEDIMENT OR OTHER POLLUTANTS SHALL BE DEPOSITED IMMEDIATELY AND NOT BE TRACKED FROM THE SITE BY VEHICLES.
19. AS THE PROJECT/CONSTRUCTION OF RECORD IS MAINTAINED, APPROPRIATE MEASURES TO PREVENT POLLUTANTS FROM BEING TRANSPORTED TO RECEIVING WATERS SHALL BE MAINTAINED AND AVAILABLE FOR REVIEW BY THE BUILDING OFFICIAL (COPIES OF THE SELF-INSPECTION CHECK LIST AND INSPECTION LOGS ARE AVAILABLE UPON REQUEST).
20. THE BARRIERS SHALL BE MAINTAINED AND PAINTED TO WITHIN 24 HOURS AFTER EACH DEPARTURE.
21. THE BARRIERS SHALL BE MAINTAINED AND PAINTED TO WITHIN 24 HOURS AFTER EACH DEPARTURE.
22. THE BARRIERS SHALL BE MAINTAINED AND PAINTED TO WITHIN 24 HOURS AFTER EACH DEPARTURE.



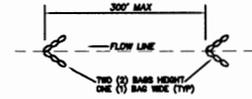
EROSION CONTROL DETAIL
FOR CURB INLET
SE-10 STORM DRAIN INLET PROTECTION



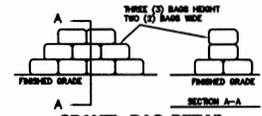
VICINITY MAP
NOT TO SCALE
T/A: PAGE 688, GRID J-8

INDEX OF SHEETS

SHEET	DESCRIPTION
1	TITLE SHEET
2	STORM WATER POLLUTION PREVENTION PLAN



SE-4 GRAVEL BAG CHECK DAM DETAIL



SE-9 GRAVEL BAG DETAIL FOR FIBER INLETS

BMP LEGEND

- SILT FENCE
- SEDIMENT BASIN
- GRAVEL BAG CHECK DAM
- LINEAR SLOPE EROSION PROTECTION
- GRAVEL BAG BARRIER
- STREET SWEEPING AND VACUUMING
- STORM DRAIN INLET PROTECTION
- HYDROSEEDING
- MULCH AND STRAW
- MATERIAL STORAGE
- MATERIAL USE
- STORMWATER MANAGEMENT (BLANKET)
- SPILL PREVENTION AND CONTROL
- SOLID WASTE MANAGEMENT
- CONCRETE WASTE MANAGEMENT (BLANKET)
- SAFETY/ASPH WASTE MANAGEMENT
- VEHICLE AND EQUIPMENT FUELING
- VEHICLE AND EQUIPMENT MAINTENANCE
- STABILIZED CONSTRUCTION ENTRANCE/EXIT
- WIND EROSION CONTROL (BLANKET)
- WATER CONSERVATION PRACTICES (BLANKET)
- PAVING AND GRADING OPERATIONS (BLANKET)

SYMBOL LEGEND

- EXISTING INLET PROTECTION
- FIBER PROTECTION
- SILT FENCE
- GRAVEL BAG BARRIER
- PROPOSED STORM DRAIN
- SLOPE AREAS
- SEDIMENT BASIN
-
- TEMPORARY LANDSCAPING FOR LANDSCAPING PLANS

OLD SIGNATURE _____ DATE _____



NO.	DATE	REVISION	DC. BY

Prepared by: **CNC ENGINEERING**
 300 N. Main Street, Suite 200
 City of Industry, CA 91744
 Phone: (626) 332-0200
 Fax: (626) 332-7070
 E-mail: info@cnc-engineering.com

**SUCCESSOR AGENCY TO THE
INDUSTRY BUSINESS CENTER**

APPROVED BY: _____ DATE _____

JOHN A. BALLAS, P.E., CIVIL, AGENCY ENGINEER

**INDUSTRY BUSINESS CENTER
66 KV TRANSMISSION LINE RELOCATION**

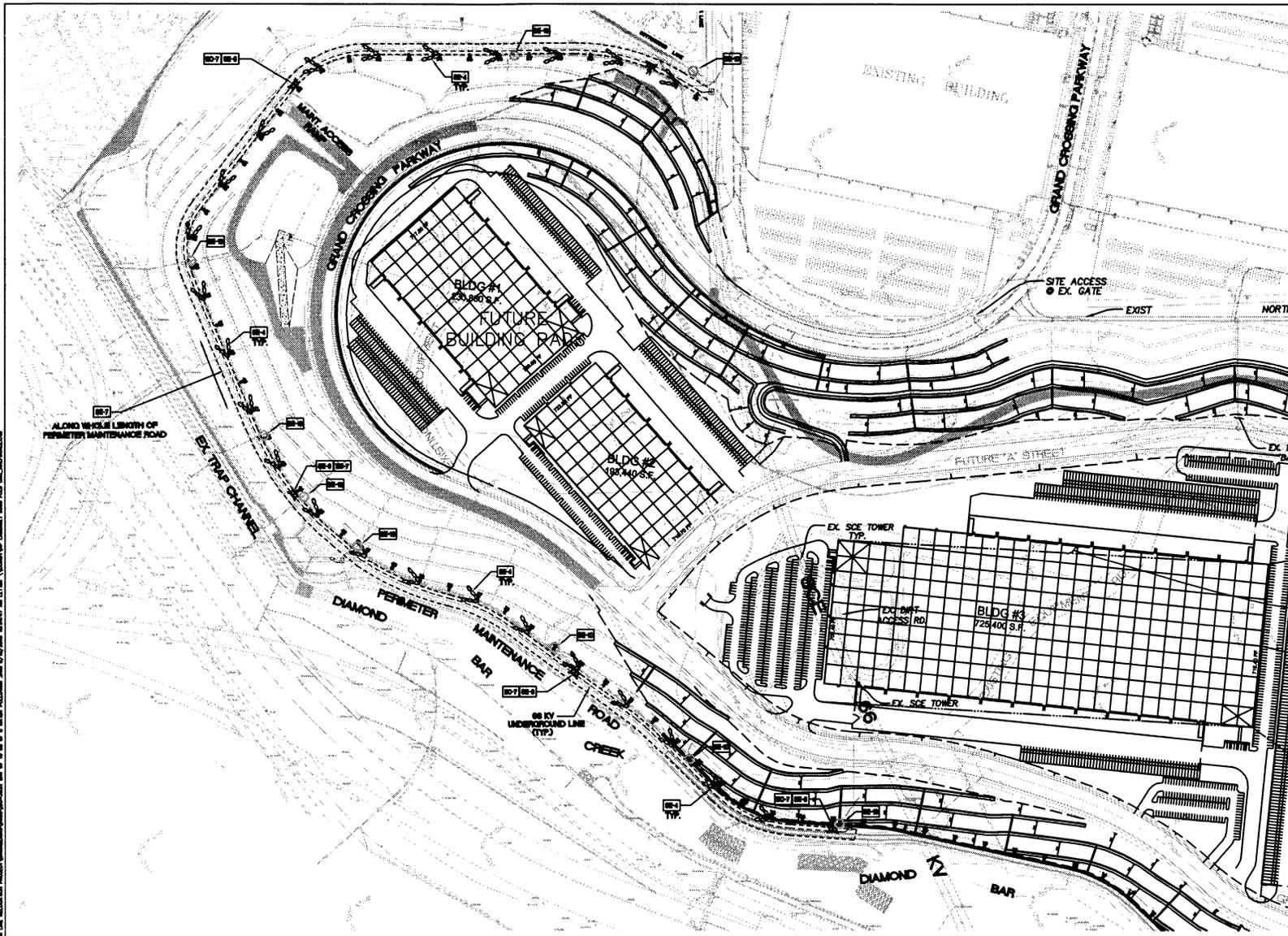
**WATER POLLUTION PREVENTION PLAN
WATER POLLUTION CONTROL DRAWING**

Checked by: _____ DATE: _____

Job No: IBC-0383 SHT. 1 OF 2

CONTRACT DRAWING NO. 7 OF 8

CONTRACT NO. IBC-0383
INDUSTRY BUSINESS CENTER 66KV TRANSMISSION LINE RELOCATION



SCALE: 1"=150'

BMP LEGEND

- [B1] SILT FENCE
- [B2] SEDIMENT BASIN
- [B3] BRASS BAG CHECK DAM
- [B4] LINEAR SLOPE EROSION PROTECTION
- [B5] BRASS BAG BARRIER
- [B6] STREET SWEEPING AND WASHING
- [B7] STORM BRASS INLET PROTECTION
- [B8] HYDROSEEDING
- [B9] MULCHES AND MATS
- [B10] MATERIAL DELIVERY & STORAGE
- [B11] MATERIAL USE
- [B12] FLOODPLAIN MANAGEMENT (BLANKET)
- [B13] SPILL PREVENTION & CONTROL
- [B14] SOIL WASTE MANAGEMENT
- [B15] CONCRETE WASTE MANAGEMENT (BLANKET)
- [B16] SANITARY/SEPTIC WASTE MANAGEMENT
- [B17] VEHICLE AND EQUIPMENT MAINTENANCE
- [B18] VEHICLE AND EQUIPMENT MAINTENANCE
- [B19] STABILIZED CONSTRUCTION ENTRANCE/EXIT
- [B20] SOIL EROSION CONTROL (BLANKET)
- [B21] WATER CONSERVATION PRACTICES (BLANKET)
- [B22] PAVING AND GRASSING OPERATIONS (BLANKET)

SYMBOL LEGEND

- [C1] EXISTING INLET PROTECTION
- [C2] INLET PROTECTION
- [C3] SILT FENCE
- [C4] BRASS BAG
- [C5] PROPOSED STORM DRAIN
- [C6] SLOPE FIELD
- [C7] SEDIMENT BASIN
- [C8] 2" X 4" WOOD BALKING
- [C9] PERMANENT LANDSCAPING PER UNDERSEAL FLOW

**SUCCESSOR AGENCY TO THE
INDUSTRY URBAN-DEVELOPMENT AGENCY**

APPROVED BY: JOHN K. BALLAS, R.C.E. 34311, AGENCY ENGINEER DATE: _____

**INDUSTRY BUSINESS CENTER
66 KV TRANSMISSION LINE RELOCATION**

**WATER POLLUTION PREVENTION PLAN
WATER POLLUTION CONTROL DRAWING**

CHECKED BY: JH DATE: JUNE 2010 JOB NO.: IC-0383R SHT. 2 OF 2

CONTRACT DRAWING NO. 8 OF 8



NO.	DATE	REVISIONS	DC. BY	Prepared by:
				CNC CONSULTING CONSULTING CIVIL ENGINEERS
				285 N. Main Street, Ste. 202 City of Industry, Ca. 91744 Phone: (626) 338-0258 Fax: (626) 338-7078
				DESIGN BY: <u> </u> DRAWING J.K.P.

CONTRACT NO. IC-0383R
INDUSTRY BUSINESS CENTER
66KV TRANSMISSION LINE RELOCATION

SUCCESSOR AGENCY

ITEM NO. 5.9



SUCCESSOR AGENCY TO THE
INDUSTRY URBAN - DEVELOPMENT AGENCY

MEMORANDUM

TO: Board Members of the Successor Agency to the Industry Urban-Development Agency

FROM: Kevin Radecki, Executive Director

DATE: June 18, 2015

SUBJECT: Status Report on Agency-Owned Properties

Long Range Property Management Plan

The Long Range Property Management Plan (“LRPMP”) was submitted and approved by the Department of Finance on February 3, 2015. The LRPMP contained all of those properties identified as in the ownership of the Successor Agency to the Industry Urban-Development Agency. Attachment “A” is the Outline of the LRPMP that lists all of the properties in two major categories, as required by the Department of Finance. The two categories are those properties to be transferred to the City, at no cost, and those to be sold.

Properties Conveyed to the City at No Cost

There were 19 properties in the LRPMP to be conveyed to the City at no cost. These properties included remnants, right of ways, landscape areas, and also the Homestead Museum. All of these properties have been conveyed and are now in the ownership of the City. A list of these properties by type is included as Attachment “B”. Please note that property No. 71 (1.7 acres adjacent to 22122 Valley Boulevard) consists of street and street right of way. The adjacent property owner approached the City to purchase the property of which 0.6 acres would be useable and improve access to his property. An appraisal was completed and the buyer agreed to pay the appraised value of \$260,000.00. Once acquired, the buyer will be responsible for vacating the right of way. The proceeds of the sale will be transferred to the Successor Agency.

Properties Currently Being Sold

There are 19 properties which have been advertised, were taken through the bid process, and approved by the Department of Finance. Four of these properties have been combined into two properties creating larger properties for sale. These were Property No. 7 combined with property with Property No. 8 (14624 and 14700 Nelson Avenue), and Property No. 30 combined with Property No. 58 (17300 Chestnut Street/east Side of Azusa Avenue). The current status of these properties is shown on Attachment “C”, excluding Property No. 34 (17647 Gale Avenue) for which a Purchase

Agreement is being prepared. Those properties that have closed escrow equal \$11,056,161.00. The total of those properties in escrow is \$119,154,578.00. All of those properties listed on Attachment "C" have received approval from the Department of Finance.

Other Properties

In order to advertise and market Property No. 68 (Tres Hermanos Ranch) to a broad range of potential buyers, the Successor Agency and Oversight Board approved a contract with The Hoffman Company to represent the Agency as its exclusive agent in the sale of the approximately 2,450 acres. The Department of Finance has indicated that they will not review the contract; however, they will review the compensation upon a sale. The contract has not been executed at this time. The Hoffman Company responsibilities would include preparing the marketing and advertising materials for the sale and to bring to the Successor Agency proposals for the purchase the property.

Property No. 5 (19835 East Walnut Drive), consists of an industrial building of approximately 40,000 square feet. Currently, Skyscraper Brewery is preparing their request to the Agency Board for consideration. A separate staff report on the property will be submitted once the proposal from Skyscraper Brewery is received.

Property Nos. 19, 20, 21, 50, and 47, are the properties containing Bank of America, One West Bank and the vacant parcel of approximately 3 acres at the corner of Nelson Avenue and Hacienda Boulevard. Appraisals for these properties have been requested and they will be advertised and marketed with other properties to be made available for purchase.

Property No. 35 (17723 Gale Avenue) is the site of the Mazda Dealership, which there is a lease between the Successor Agency and the Mazda dealer. The lease on this property includes an option to be purchased by the lessee and will be included in the future properties for sale.

Property Nos. 14 and 15 are properties that were deemed to be undevelopable but were included in the list of properties for sale at the recommendation of the Department of Finance. No bids were received for these properties.

Properties for City Review

The LRPMP identifies properties for review and consideration of the City for their potential purchase. Attachment "D" identifies these properties and includes current appraisals if completed. The City may wish to consider property No. 53, El Encanto Hospital, for which an appraisal has been completed. Additionally, appraisals for Property Nos. 22 and 45, (Sheriff's helipad and parking on the southerly side of Stafford Street and west of Hacienda Boulevard), and Property No. 48 (the Sheriff's parking and vacant land north of Stafford Street, west of Hacienda as a first priority). The Sheriff's Department has expressed their interest in these property for their continued use of the properties.

Properties Needing Further Analysis

Properties requiring additional information and analysis prior to being sold include the properties with leases such as Grand Crossing, Industry Business Center, and 911 Bixby (the site of the Mission Energy peaker plant). Attachment "E" contains a list of these properties.

Attachment A

Outline of properties included in the Long Range Property Management Plan

Long Range Property Management Plan
Successor Agency to the Industry Urban-Development Agency
Approved February 3, 2013

The following outline incorporates all 68 properties/assets that have been identified as owned by the Successor Agency to the Industry Urban-Development Agency. The properties have been placed into different categories based upon the specifics of the property and approach to its disposition. A staff report has been prepared for each property including a description of the property, the background associated with its acquisition, proposals that have been made and the staff recommendation for its disposition.

- A. Properties that have no commercial value, including remnant pieces, landscape areas, ROW, slope area and properties that are governmental use. The staff recommends that these properties be conveyed at no cost to the City. The City will in some cases approach adjacent property owners to take properties at no cost and for those that remain in the City ownership the City will be responsible for their maintenance. There are 19 properties in this category listed below (Attachment A, staff report and maps).
- Property # 13 on Property List (Landscape Area)
 - Property #25 on Property List (Landscape Area)
 - Property #26 on Property List (Remnant)
 - Property #27 on Property List (Remnant)
 - Property #37 on Property List (Remnant)
 - Property # 38 on Property List (Remnant)
 - Property #39 on Property List (Remnant)
 - Property #52 on Property List (Landscape Area)
 - Property #56 on Property List (Landscape Area)
 - Property #61 on Property List (ROW)
 - Property #62 on Property List (ROW)
 - Property #63 on Property List (Part of San Jose Creek)
 - Property #71 on Property List (Remnant, ROW)
 - Property # 36 on Property List (Remnant, ROW)
 - Property #67 on Property List (Water Well)
 - Property # 57 on Property List (747 Anaheim Puente Road, Pump Station)
 - Property #70 on Property List (804 Azusa Ave., vacant industrial)
 - Property #44 on Property List (205 Hudson, YAL office)
 - Property #55 on Property List,(15415 Don Julian, Homestead Museum)

B. Properties for Sale. Those properties to be marketed through direct contact with interested parties and through the use of brokers. Proposals would be evaluated based upon acceptable development plans.

- Property # 53 on Property List (555 El Encanto Road, El Encanto Hospital)
- Property # 41 on Property List (Grand Crossing)
- Property # 29 on Property List (911 Bixby, Mission Energy)
- Property # 33 on Property List (17545 Gale, Best Buy)
- Property # 35 on Property List (17723 Gale, Mazda)
- Property # 40 on Property List (Industry Business Center 600 acres)
- Property # 43 on Property List, 841 S. 7th street (YAL community youth center)
- Property # 45, 22 and part of 46 on Property List, Stafford Street (Sheriff Helipad)
- Property # 49 and 23 on Property List, 15660 Stafford (Post Office & LA County Fire Prevention plus adjacent vacant property)
- property # 48 and part of 46 on Property List, West side of Hacienda north of Stafford (Sheriff parking)
- Property # 51, on Property List, North side of Stafford west of Glendora (portion Park & Ride)
- Property # 54 on Property List, west side of Parriott Place (adjacent to El Encanto)
- Property #66 on Property List (Garcia Lane Fire Station site)
- Property # 68 on Property List (Tres Hermanos Ranch)
- Property # 65 on Property List (208 Waddingham Way, electrical substation)
- Property # 72 on Property List (Puente Basin Water Rights)
- Property # 10 on Property List (13530 Nelson)
- Property # 12 on Property List (15432 Nelson)
- 19. Property # 59 & 60 on Property List (1123, 1129 & 1135 Hatcher)
- 20. Property #2 on Property List, 333 Turnbull Canyon
- 21. Property # 4 on Property List, 17370 Gale Ave.
- Property #9 on Property List, 15000 Nelson
- Property # 24, 15710 and 15718 Rausch Road
- Property # 7 & 8, 14624 & 14700 Nelson Ave.
- Property # 1 on Property List (333 Hacienda Blvd.)
- Property # 11 on Property List, 15130 Nelson (Los Altos Cheese)
- Property # 16 on Property List, 151 Long Lane
- Property # 17 on Property List Nelson, 125 N. Orange
- Property # 18 on Property List, 111 Hudson
- Property # 32, 17475 Gale (Auto Mall vacant)
- Property # 34, 17647 Gale (Auto Mall vacant)
- Property #28, east side of Parriott Place (6.18 acres)
- Property # 30 on Property List ,east side of Azusa north of Rail Road (10.1 acres)
- Property # 58 on Property List (17300 Chestnut)
- Property #19, 20, 21, 50 & 47 Property List (15625 Stafford Street)
- Property # 5 on Property List (19835 E. Walnut Dr.)
- Property # 31 on Property List (17201-17301 Gale Ave.)
- Property # 14 on Property List (SW corner of Workman Mill Road & Crossroads Pkwy)
- Property # 15 on Property List (Crossroads Pkwy South)

Attachment B

The properties transferred to the City at no cost are listed below as to the type of property and use.

Properties that have improvements

Property # 55, Homestead Museum

Property # 44, 205 Hudson, for use by Sheriff's Dept. in support of community youth recreation program

Property # 57, 747 Anaheim Puente, Pump station for public water system

Property # 67, south side of San Jose Creek, water well for public water system

Right of Way Properties

Property # 61, Auto Mall East

Property # 62, Auto Mall Area, right turn pocket

Property # 63, south side of San Jose Creek, part of San Jose Creek

Property # 71, adjacent to 22122 Valley Blvd. (Note this property is being sold to adjoining property owner)

Property # 36, 17439 Rail Road

Landscape or Remnant Properties

Property # 13, 2525 Workman Mill Road

Property # 25, south of Stafford west of Glendora

Property # 26, south of UPRR west of Hacienda

Property # 27, south of UPRR east of Russell

Property # 37, adjacent to Fairway

Landscape or remnant Properties

Property # 38, west side of Fairway south of UPRR

Property # 39, 800 feet east of Garcia Lane

Property # 52, north side of Sotro west of Glendora

Property # 56, NW & SW corners of Hacienda and Don Julian

ATTACHMENT C

Disposition of Agency-owned properties and escrow update

DISPOSITION OF AGENCY-OWNED PROPERTIES AND ESCROW UPDATE

Property Address	Developer	Effective Date	Escrow Opened	PTR Received	Due Diligence Begins	Due Diligence Ends	Deposit Received	Anticipated Close of Escrow	Escrow Closed	Purchase Price
333 Hacienda Boulevard - (Property No. 1)	Davis Partners	3/23/2015	3/24/2015	3/25/2015	3/23/2015	6/29/2015		8/21/2015		\$14,276,790
333 Turnbull Canyon Road - (Property No. 2)	RDP Development	Escrow -	Cancelled							
17370 Gale Avenue - (Property No. 4)	Penninsula Property Holdings	2/24/2015	2/25/2015	3/3/2015	2/24/2015	4/25/2015	3/9/2015		5/20/2015	\$1,600,000
14624-14700 Nelson Avenue - (Property Nos. 7 & 8)	General Equity Company	5/22/2015	5/22/2015		5/22/2015	7/21/2015		8/20/2015		\$13,203,300
15000 Nelson Avenue - (Property No. 9)	Dedeaux Properties	1/26/2015	1/27/2015	1/28/2015	1/26/2015	3/27/2015	1/30/2015	6/2/2015	6/3/2015	\$6,705,839
15130 Nelson Avenue - (Property No. 11)	Weiss Industrial Holdings	3/18/2015	3/19/2015		3/18/2015	5/18/2015	3/24/2015	6/25/2015		\$2,375,000
151 Long Lane - (Property No. No. 16)	Jerry & Terri Kohl Living Trust	1/26/2015	1/27/2015	1/29/2015	1/26/2015	4/30/2015	3/4/2015	6/25/2015	6/11/2015	\$2,050,530
125 North Orange Avenue - (Property No. 17)	Quinn Development	3/20/2015	3/23/2015		3/20/2015	7/21/2015	3/30/2015	8/21/2015		\$4,000,000
111 Hudson Street - (Property No. 18)	Northrup Grumman	6/8/2015	6/8/2015		6/8/2015	8/16/2015		9/7/2015		\$2,800,000
15710 and 15718 Rausch Road - (Property No. 24)	Industry Security Services	1/26/2015	1/27/2015	1/30/2015	1/26/2015	3/27/2015			2/13/2015	\$699,792
East Side of Parriott Place - (Property No. 28)	CT Parriott	3/10/2015	3/10/2015		3/10/2015	8/3/2015	3/17/2015	9/2/2015		\$8,301,800
17300 Chestnut/East of Azusa-(Property Nos. 30 & 58)	CT Chestnut	3/10/2015	3/10/2015		3/10/2015	8/3/2015	3/17/2015	11/3/2016		\$41,292,760
17201 - 17301 Gale Avenue - (Property No. 31)	R. Y. Properties	3/18/2015	3/19/2015		3/18/2015	7/31/2015	3/23/2015	7/31/2016		\$16,000,000
17475 Gale Avenue - (Property No. 32)	R. Y. Properties	3/18/2015	3/19/2015		3/18/2015	7/31/2015	3/23/2015	7/31/2016		\$5,500,000
841 South 7th Avenue - (Property No. 43)	Majestic Realty	2/24/2015	2/25/2015	3/4/2015	2/24/2015	6/25/2015	3/2/2015	7/25/2015		\$100,623

ATTACHMENT D

PROPERTIES TO BE SCHEDULED FOR CITY COUNCIL AND OTHER GOVERNMENTAL AGENCY REVIEW

Property #45, #22 and part of #46, west of Hacienda south of Stafford (Sheriff Helipad and adjacent)
#45, Helipad, 1.122 acres, Appraisal: \$111,000, based on Institutional Zoning
#22, 3.497 acres adjacent to Helipad, Appraisal: \$467,000, Based on Institutional Zoning
#46, landscape area, Appraisal: \$7,000.

Property #49 and #23, 15660 Stafford Street (P.O. and Fire Prevention Office and adjacent), 4.23 acres
with 11,400 SF building, Appraisal: \$3,150,000-\$3,500,000

Property #48 and part of #46, west of Hacienda and north of Stafford (Sheriff parking and adjacent),
1.327 acres, used as Sheriff parking and vacant, Appraisal: \$132,000 based on Institutional Zoning

Property #51, north side of Stafford west of Glendora (Park and Ride and adjacent), 5.735 acres,
Appraisal: \$390,000 based on Institutional Zoning

Property #53, 555 El Encanto Road (El Encanto Hospital) Appraisal: \$850,000

Property #54, west side of Parriott adjacent to El Encanto (vacant), 8.79 acres, Appraisal: \$496,100
based on Institutional Zoning

Property #66, Garcia Lane (Fire Station site)

Property #65, 208 Waddingham Way (electrical substation)

Property #72, (Puente Basin Water Rights)

Property #10, 13530 Nelson Avenue, 2.08 acres, Appraisal \$2,540,000-\$2,720,000 based on vacant
Industrial

Property #12, 15432 Nelson Avenue, .87 acres, Appraisal: \$1,060,000-\$1,140,000 as vacant Industrial

Property #59 and #60, 1123-1135 Hatcher (portion used for City storage), 4.95 acre includes one useable
building and cell site, Appraisal \$6,100,000-\$6,700,000

Property #19, #20, #21, #50 and #47 15625 Stafford Street (2 banks, parking lot and vacant)

ATTACHMENT E

Properties that have leases and need additional analysis prior to sale

Property #41, Grand Crossing, leased to Majestic Realty

Property #35, 17723 Gale Avenue, leased to Mazda, Appraisal based on lease: \$4,500,000-\$4,900,000

Property #40, Industry Business Center, leased to Majestic Realty

Property #29, 911 Bixby, leased to Mission Energy

Property #33, 17545 Gale Avenue, leased to Best Buy