TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Importing/exporting of bulk materials	09-1 Stabilize material while loading to reduce fugitive dust emissions; and 09-2 Maintain at least six inches of freeboard on haul vehicles; and 09-3 Stabilize material while transporting to reduce fugitive dust emissions; and 09-4 Stabilize material while unloading to reduce fugitive dust emissions; and 09-5 Comply with Vehicle Code Section 23114.	✓ Use tarps or other suitable enclosures on haul trucks ✓ Check belly-dump truck seals regularly and remove any trapped rocks to prevent spillage ✓ Comply with track-out prevention/mitigation requirements ✓ Provide water while loading and unloading to reduce visible dust plumes
Landscaping	10-1 Stabilize soils, materials, slopes	✓ Apply water to materials to stabilize ✓ Maintain materials in a crusted condition ✓ Maintain effective cover over materials ✓ Stabilize sloping surfaces using soil binders until vegetation or ground cover can effectively stabilize the slopes ✓ Hydroseed prior to rain season
Road shoulder maintenance	11-1 Apply water to unpaved shoulders prior to clearing; and 11-2 Apply chemical dust suppressants and/or washed gravel to maintain a stabilized surface after completing road shoulder maintenance.	✓ Installation of curbing and/or paving of road shoulders can reduce recurring maintenance costs ✓ Use of chemical dust suppressants can inhibit vegetation growth and reduce future road shoulder maintenance costs

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Screening	12-1 Pre-water material prior to screening; and 12-2 Limit fugitive dust emissions to opacity and plume length standards; and 12-3 Stabilize material immediately after screening.	✓ Dedicate water truck or high capacity hose to screening operation ✓ Drop material through the screen slowly and minimize drop height ✓ Install wind barrier with a porosity of no more than 50% upwind of screen to the height of the drop point
Staging areas	13-1 Stabilize staging areas during use; and 13-2 Stabilize staging area soils at project completion.	✓ Limit size of staging area ✓ Limit vehicle speeds to 15 miles per hour ✓ Limit number and size of staging area entrances/exists
Stockpiles/ Bulk Material Handling	14-1 Stabilize stockpiled materials. 14-2 Stockpiles within 100 yards of off-site occupied buildings must not be greater than eight feet in height; or must have a road bladed to the top to allow water truck access or must have an operational water irrigation system that is capable of complete stockpile coverage.	✓ Add or remove material from the downwind portion of the storage pile ✓ Maintain storage piles to avoid steep sides or faces

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Traffic areas for construction activities	15-1 Stabilize all off-road traffic and parking areas; and 15-2 Stabilize all haul routes; and 15-3 Direct construction traffic over established haul routes.	✓ Apply gravel/paving to all haul routes as soon as possible to all future roadway areas ✓ Barriers can be used to ensure vehicles are only used on established parking areas/haul routes
Trenching	16-1 Stabilize surface soils where trencher or excavator and support equipment will operate; and 16-2 Stabilize soils at the completion of trenching activities.	✓ Pre-watering of soils prior to trenching is an effective preventive measure. For deep trenching activities, pre-trench to 18 inches soak soils via the pre-trench and resuming trenching ✓ Washing mud and soils from equipment at the conclusion of trenching activities can prevent crusting and drying of soil on equipment
Truck loading	17-1 Pre-water material prior to loading; and 17-2 Ensure that freeboard exceeds six inches (CVC 23114)	✓ Empty loader bucket such that no visible dust plumes are created ✓ Ensure that the loader bucket is close to the truck to minimize drop height while loading
Turf Overseeding	18-1 Apply sufficient water immediately prior to conducting turf vacuuming activities to meet opacity and plume length standards; and 18-2 Cover haul vehicles prior to exiting the site.	✓ Haul waste material immediately off-site

TABLE 1
BEST AVAILABLE CONTROL MEASURES
(Applicable to All Construction Activity Sources)

Source Category	Control Measure	Guidance
Unpaved roads/parking lots	19-1 Stabilize soils to meet the applicable performance standards; and 19-2 Limit vehicular travel to established unpaved roads (haul routes) and unpaved parking lots.	✓ Restricting vehicular access to established unpaved travel paths and parking lots can reduce stabilization requirements
Vacant land	20-1 In instances where vacant lots are 0.10 acre or larger and have a cumulative area of 500 square feet or more that are driven over and/or used by motor vehicles and/or off-road vehicles, prevent motor vehicle and/or off-road vehicle trespassing, parking and/or access by installing barriers, curbs, fences, gates, posts, signs, shrubs, trees or other effective control measures.	

Table 2
DUST CONTROL MEASURES FOR LARGE OPERATIONS

FUGITIVE DUST SOURCE CATEGORY	CONTROL ACTIONS
Earth-moving (except construction cutting and filling areas, and mining operations)	(1a) Maintain soil moisture content at a minimum of 12 percent, as determined by ASTM method D-2216, or other equivalent method approved by the Executive Officer, the California Air Resources Board, and the U.S. EPA. Two soil moisture evaluations must be conducted during the first three hours of active operations during a calendar day, and two such evaluations each subsequent four-hour period of active operations; OR (1a-1) For any earth-moving which is more than 100 feet from all property lines, conduct watering as necessary to prevent visible dust emissions from exceeding 100 feet in length in any direction.
Earth-moving: Construction fill areas:	(1b) Maintain soil moisture content at a minimum of 12 percent, as determined by ASTM method D-2216, or other equivalent method approved by the Executive Officer, the California Air Resources Board, and the U.S. EPA. For areas which have an optimum moisture content for compaction of less than 12 percent, as determined by ASTM Method 1557 or other equivalent method approved by the Executive Officer and the California Air Resources Board and the U.S. EPA, complete the compaction process as expeditiously as possible after achieving at least 70 percent of the optimum soil moisture content. Two soil moisture evaluations must be conducted during the first three hours of active operations during a calendar day, and two such evaluations during each subsequent four-hour period of active operations.

Table 2 (Continued)

FUGITIVE DUST SOURCE CATEGORY	CONTROL ACTIONS	
Earth-moving: Construction cut areas and mining operations:	(1c)	Conduct watering as necessary to prevent visible emissions from extending more than 100 feet beyond the active cut or mining area unless the area is inaccessible to watering vehicles due to slope conditions or other safety factors.
Disturbed surface areas (except completed grading areas)	(2a/b)	Apply dust suppression in sufficient quantity and frequency to maintain a stabilized surface. Any areas which cannot be stabilized, as evidenced by wind driven fugitive dust must have an application of water at least twice per day to at least 80 percent of the unstabilized area.
Disturbed surface areas: Completed grading areas	(2c)	Apply chemical stabilizers within five working days of grading completion; OR
	(2d)	Take actions (3a) or (3c) specified for inactive disturbed surface areas.
Inactive disturbed surface areas	(3a)	Apply water to at least 80 percent of all inactive disturbed surface areas on a daily basis when there is evidence of wind driven fugitive dust, excluding any areas which are inaccessible to watering vehicles due to excessive slope or other safety conditions; OR
	(3b)	Apply dust suppressants in sufficient quantity and frequency to maintain a stabilized surface; OR
	(3c)	Establish a vegetative ground cover within 21 days after active operations have ceased. Ground cover must be of sufficient density to expose less than 30 percent of unstabilized ground within 90 days of planting, and at all times thereafter; OR
	(3d)	Utilize any combination of control actions (3a), (3b), and (3c) such that, in total, these actions apply to all inactive disturbed surface areas.

Table 2 (Continued)

FUGITIVE DUST SOURCE CATEGORY	CONTROL ACTIONS	
Unpaved Roads	(4a)	Water all roads used for any vehicular traffic at least once per every two hours of active operations [3 times per normal 8 hour work day]; OR
	(4b)	Water all roads used for any vehicular traffic once daily and restrict vehicle speeds to 15 miles per hour; OR
	(4c)	Apply a chemical stabilizer to all unpaved road surfaces in sufficient quantity and frequency to maintain a stabilized surface.
Open storage piles	(5a)	Apply chemical stabilizers; OR
	(5b)	Apply water to at least 80 percent of the surface area of all open storage piles on a daily basis when there is evidence of wind driven fugitive dust; OR
	(5c)	Install temporary coverings; OR
	(5d)	Install a three-sided enclosure with walls with no more than 50 percent porosity which extend, at a minimum, to the top of the pile. This option may only be used at aggregate-related plants or at cement manufacturing facilities.
All Categories	(6a)	Any other control measures approved by the Executive Officer and the U.S. EPA as equivalent to the methods specified in Table 2 may be used.

TABLE 3
CONTINGENCY CONTROL MEASURES FOR LARGE OPERATIONS

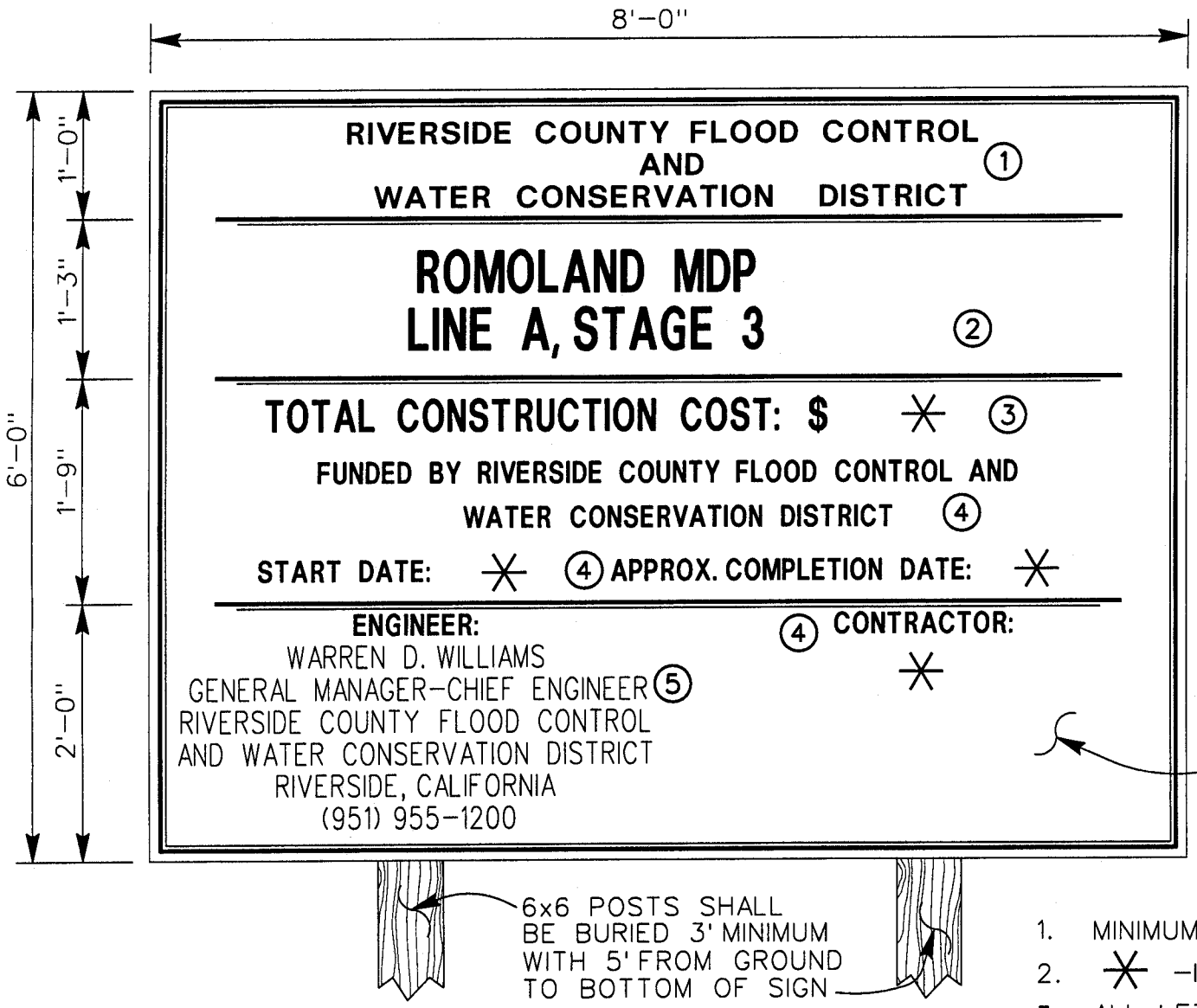
FUGITIVE DUST SOURCE CATEGORY	CONTROL MEASURES
Earth-moving	(1A) Cease all active operations; OR (2A) Apply water to soil not more than 15 minutes prior to moving such soil.
Disturbed surface areas	(0B) On the last day of active operations prior to a weekend, holiday, or any other period when active operations will not occur for not more than four consecutive days: apply water with a mixture of chemical stabilizer diluted to not less than 1/20 of the concentration required to maintain a stabilized surface for a period of six months; OR (1B) Apply chemical stabilizers prior to wind event; OR (2B) Apply water to all unstabilized disturbed areas 3 times per day. If there is any evidence of wind driven fugitive dust, watering frequency is increased to a minimum of four times per day; OR (3B) Take the actions specified in Table 2, Item (3c); OR (4B) Utilize any combination of control actions (1B), (2B), and (3B) such that, in total, these actions apply to all disturbed surface areas.
Unpaved roads	(1C) Apply chemical stabilizers prior to wind event; OR (2C) Apply water twice per hour during active operation; OR (3C) Stop all vehicular traffic.
Open storage piles	(1D) Apply water twice per hour; OR (2D) Install temporary coverings.
Paved road track-out	(1E) Cover all haul vehicles; OR (2E) Comply with the vehicle freeboard requirements of Section 23114 of the California Vehicle Code for both public and private roads.
All Categories	(1F) Any other control measures approved by the Executive Officer and the U.S. EPA as equivalent to the methods specified in Table 3 may be used.

Table 4
(Conservation Management Practices for Confined Animal Facilities)

SOURCE CATEGORY	CONSERVATION MANAGEMENT PRACTICES
Manure Handling **(Only applicable to Commercial Poultry Ranches)**	(1a) Cover manure prior to removing material off-site; AND (1b) Spread the manure before 11:00 AM and when wind conditions are less than 25 miles per hour; AND (1c) Utilize coning and drying manure management by removing manure at laying hen houses at least twice per year and maintain a base of no less than 6 inches of dry manure after clean out; or in lieu of complying with conservation management practice (1c), comply with conservation management practice (1d). (1d) Utilize frequent manure removal by removing the manure from laying hen houses at least every seven days and immediately thin bed dry the material.
Feedstock Handling	(2a) Utilize a sock or boot on the feed truck auger when filling feed storage bins.
Disturbed Surfaces	(3a) Maintain at least 70 percent vegetative cover on vacant portions of the facility; OR (3b) Utilize conservation tillage practices to manage the amount, orientation and distribution of crop and other plant residues on the soil surface year-round, while growing crops (if applicable) in narrow slots or tilled strips; OR (3c) Apply dust suppressants in sufficient concentrations and frequencies to maintain a stabilized surface.
Unpaved Roads	(4a) Restrict access to private unpaved roads either through signage or physical access restrictions and control vehicular speeds to no more than 15 miles per hour through worker notifications, signage, or any other necessary means; OR (4b) Cover frequently traveled unpaved roads with low silt content material (i.e., asphalt, concrete, recycled road base, or gravel to a minimum depth of four inches); OR (4c) Treat unpaved roads with water, mulch, chemical dust suppressants or other cover to maintain a stabilized surface.
Equipment Parking Areas	(5a) Apply dust suppressants in sufficient quantity and frequency to maintain a stabilized surface; OR (5b) Apply material with low silt content (i.e., asphalt, concrete, recycled road base, or gravel to a depth of four inches).

APPENDIX "B"

PROJECT SIGNS



LETTER SCHEDULE

	SIZE	COLOR
1	2"	BLACK
2	4"	ROYAL
3	3"	ROYAL
4	2"	ROYAL
5	2"	BLACK

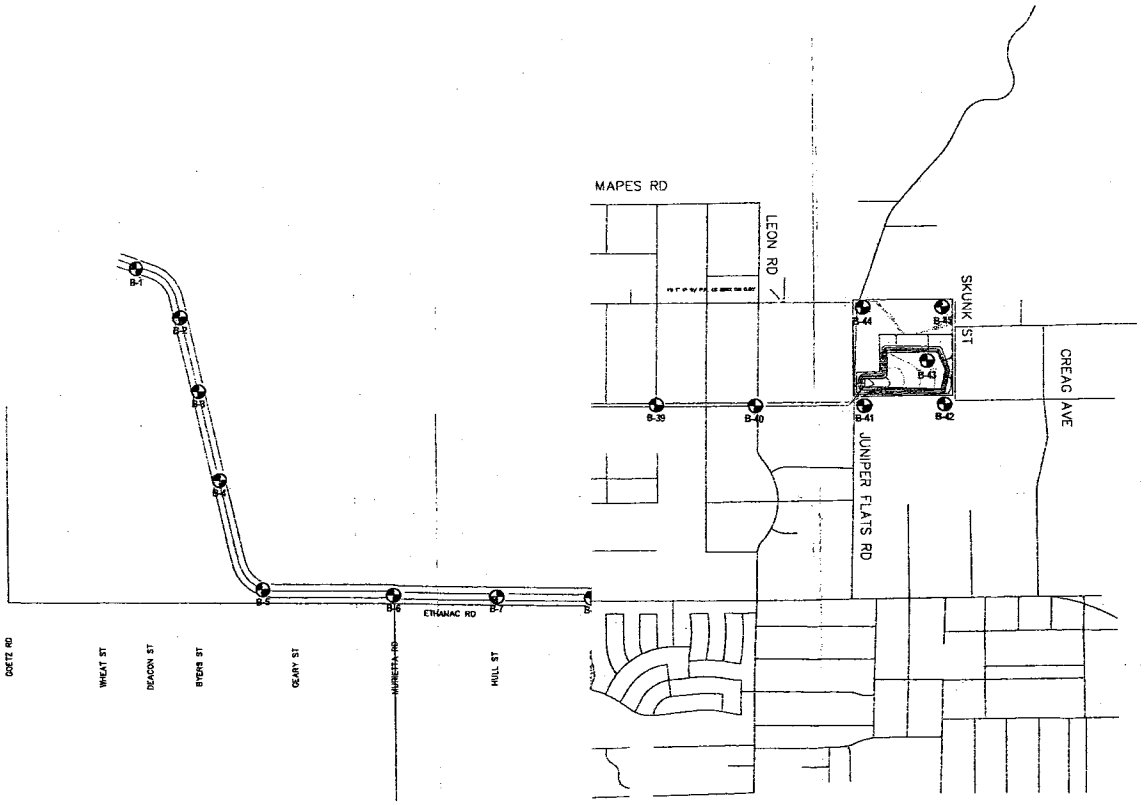
NOTES:

1. MINIMUM SPACING BETWEEN LINES 1".
2. * -INFO. FURNISHED BY ENGINEER
3. ALL LETTERS FILLED AND CENTERED
4. THE STRIPES ARE GOLD AND BLACK ON WHITE BACKGROUND.

APPENDIX "B" PROJECT SIGN

APPENDIX "C"

LOG OF SOIL BORINGS



PLATE

ENCLOSURE "A-2"

GEOTECHNICAL INVESTIGATION

C.H.J., INCORPORATED

HOMELAND/ROMOLAND ADP PHASE 1
ROMOLAND AREA
RIVERSIDE COUNTY, CALIFORNIA
CLIENT: ALBERT A. WEBB ASSOCIATES
JOB NO.: 04175-3
DATE: APRIL 2004

LEGEND

B-49 - **Exploratory Boring Locations**

SCALE 1"= 1000'

KEY TO LOGS

LEGEND OF LAB/FIELD TESTS:

PI	Atterberg Limits (ASTM D-4318)
Bulk	Indicates Disturbed or Bulk Sample
Corr	Chemical/Corrosivity Testing (ASTM G-57, ASTM C-51, ASTM C-114)
Dist.	Indicates Disturbed Ring Sample
DS	Direct Shear Test (ASTM D 3080)
MDC	Optimum Moisture - Maximum Density Relationship Test (ASTM D 1557-00)
N.R.	No Recovery of Sample
Ring	Indicates Undisturbed Ring Sample. Undisturbed Ring Samples are obtained with a split-spoon California sampler (3.25" O.D. and 2.42" I.D.) driven by a automatic hammer with a 140-pound weight falling 30 inches. The blows per foot are converted to equivalent SPT-N_{60} values.
SA	Sieve Analysis (ASTM C 136)
SE	Sand Equivalent Test (ASTM D 2419)
SPT	Indicates Standard Penetration Test. The SPT-N_{60} value is the corrected number of blows required to drive an SPT sampler 12 inches using an automatic hammer with a 140-pound weight falling 30 inches. The SPT sampler is 2" O.D. and 1-3/8" I.D.

ENGINEERING PROPERTIES FROM SPT BLOWS

Relationship of Penetration Resistance to Relative Density for Cohesionless Soils*
(After Mitchell and Katti, 1981)

No. of SPT Blows ($N1_{60}$)	Descriptive Relative Density	Approximate Relative Density (%)
<4	Very Loose	0-15
4-10	Loose	15-35
10-30	Medium Dense	35-65
30-50	Dense	65-85
>50	Very Dense	85-100

* At an effective overburden pressure of 1 ton per square foot (100 kPa). Note that our equivalent SPT-N_{60} values have not been normalized for overburden pressure.

Approximate Values of Undrained Shear Strength for Cohesive Soils
(Terzaghi and Peck, 1967)

No. of SPT Blows ($N1_{60}$)	Soil Consistency	Approximate Undrained Shear Strength (psf)
<2	Very Soft	Less Than 250
2-4	Soft	250-500
4-8	Medium Stiff	500-1000
8-15	Stiff	1000-2000
15-30	Very Stiff	2000-4000
>30	Hard	More Than 4000

SOIL CLASSIFICATION CHART

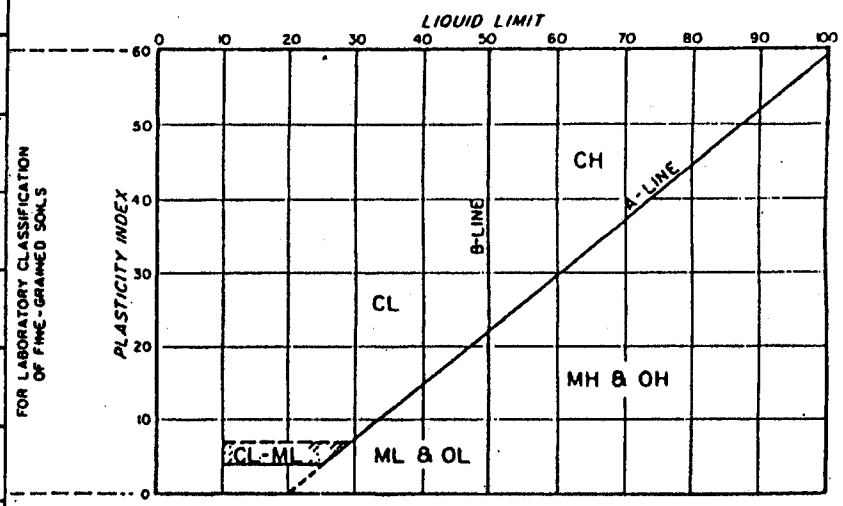
MAJOR DIVISIONS			GRAPH SYMBOL	LETTER SYMBOL	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
				GP	POORLY-GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES
	MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
	SAND AND SANDY SOILS	CLEAN SAND (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE				SP	POORLY-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
	MORE THAN 50% OF COARSE FRACTION PASSING NO. 4 SIEVE	SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND-SILT MIXTURES
				SC	CLAYEY SANDS, SAND-CLAY MIXTURES
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS.
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE				CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

GRADATION CHART

MATERIAL SIZE		PARTICLE SIZE			
		LOWER LIMIT		UPPER LIMIT	
		MILLIMETERS	SIEVE SIZE	MILLIMETERS	SIEVE SIZE
SAND	FINE	.074	#200 ‡	0.42	#40 ‡
	MEDIUM	0.42	#40 ‡	2.00	#10 ‡
	COARSE	2.00	#10 ‡	4.76	#4 ‡
GRAVEL	FINE	4.76	#4 ‡	19.1	3/4" •
	COARSE	19.1	3/4" •	76.2	3" •
COBBLES		76.2	3"	304.8	12"
BOULDERS		304.8	12	914.4	36"

‡ US STANDARD • CLEAR SQUARE OPENINGS

PLASTICITY CHART



UNIFIED SOIL CLASSIFICATION SYSTEM

C·H·J· INCORPORATED

Enclosure "B" (2of2)
Job No. 04175-3

EXPLORATORY BORING NO. 3

Client: Albert A. Webb Associates

Date Drilled: 3/10/04

Location: Station 35+50

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1412.0/1393.5

Logged by: S.H.

Measured Depth to Water(ft): 17.5

DEPTH (ft)	VISUAL CLASSIFICATION	REMARKS	SAMPLES DRIVE	SAMPLES BULK	BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
	(SM) Silty Sand, fine with medium and clay, light brown	Fill				14.4		
			X		33	12.6	93	Ring
	(CL) Silty Sandy Clay, fine, light brown	Native				13.8		
5	(SC) Silty Clayey Sand, fine with medium, light brown		X		17	13.7	108	Ring
						17.9		
10			X		19	16.9	111	Ring
	(CL) Clay, fine, light brown					23.5		
15			X		7	20.1	107	Ring
		▼ Groundwater						
	(SM) Silty Sand, fine to medium with silt, brown					15.6		
20			X		21	12.7	126	Ring
25	(SM) Silty Sand, fine with medium and coarse, light brown							
			X		19	19.7	109	Ring
	END OF BORING							
30	NO BEDROCK NO REFUSAL FILL TO 3.0' SLIGHT CAVING GROUNDWATER AT 17.5'							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04

C·H·J·

HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. 04175-3

Enclosure B-3

EXPLORATORY BORING NO. 4

Client: Albert A. Webb Associates

Date Drilled: 3/10/04

Location: Station 47+00

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1413.0/1394.5

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES DRIVE	SAMPLES BULK	BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
		(SM) Silty Sand, fine with medium and clay, light brown	Fill		▩		12.4		
				☒		35	11.6	121	Ring
5		(SC) Silty Clayey Sand, fine with medium and coarse, red brown	Native		▩		14.4		
		(SM) Silty Sand, fine to medium with coarse and clay, red brown			▩		9.9		
				☒		25	6.0	118	Ring
10									
				☒		23	10.1	118	Ring
15									
		(ML) Sandy Clayey Silt, fine, light brown			▩		20.5		
				☒		25	16.2	112	
20					▩		18.5		
				☒		30/5"	16.5	115	Ring
25		END OF BORING							
		NO BEDROCK NO REFUSAL FILL TO 3.5' SLIGHT CAVING NO FREE GROUNDWATER							
30									

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/22/04

C·H·J·

HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. 04175-3

Enclosure B-4

EXPLORATORY BORING NO. 5

Client: Albert A. Webb Associates

Date Drilled: 3/10/04

Location: Station 60+30

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1417.0/1396.0

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES DRIVE	SAMPLES BULK	BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
		(SC) Clayey Sand, fine, red brown	Native				21.7		DS, MDC
						7	21.7	103	Ring
5		(SM) Silty Sand, fine, orange					14.6		
						30/5.5"	15.5	Dist.	Ring
		(SM) Silty Sand, fine to coarse and clay, red brown					12.4		SA
10						55/11.5"	13.2	130	Ring, DS
15						47/11.5"	12.4	125	Ring
		(ML) Clayey Silt, fine, light brown					31.6		
20						28	35.0	89	Ring
25						37	22.5	103	Ring
		END OF BORING							
30		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/22/04

C·H·J·

HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. 04175-3

Enclosure B-5

EXPLORATORY BORING NO. 6

Client: Albert A. Webb Associates

Date Drilled: 3/13/04

Location: Station 79+00

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1413.5/1398.0

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES DRIVE	SAMPLES BULK	BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
		(SC) Clayey Sand, fine, brown	Native		▩		15.5		
				☒		10	13.2	95	Ring
5		(SC) Clayey Sand, fine with medium, light brown			▩		1.8		
				☒		40	12.1	125	Ring
10		(SC) Clayey Sand, fine to medium with coarse, light brown			▩		16.7		
				☒		37	11.8	123	Ring
15		(SM) Silty Sand, fine with medium, coarse and clay, orange brown			▩		15.5		
				☒		47	13.6	122	Ring
20									
				☒		30/4"	10.4	126	Ring
25		END OF BORING							
		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							
30									

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/22/04

C·H·J·

HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. 04175-3

Enclosure B-6

EXPLORATORY BORING NO. 7

Client: Albert A. Webb Associates

Date Drilled: 3/12/04

Location: Station 91+30

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1416.0/1399.2

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES DRIVE	SAMPLES BULK	BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
		(SM) Silty Sand, fine with clay, brown	Native		▩		11.3		
				☒		16	11.2	123	Ring
		(SM) Silty Clayey Sand, fine with medium and coarse, light brown			▩		9.4		
5				☒		53/11.5"	13.0	116	Ring
		(SM) Silty Sand, fine to medium with coarse and clay, light brown			▩		11.3		
10				☒		42	8.8	124	Ring
		(SC) Clayey Sand, fine with medium and silt, light brown			▩		14.0		
15				☒		58/11.5"	13.5	124	Ring
		(ML) Sandy Silt, fine with medium and clay, red brown			▩		16.3		
20				☒		40	16.7	115	Ring
		(SM) Silty Sand, fine to medium with clay, light brown			▩		13.0		
25				☒		30/5"	15.4	Dist.	Ring
		END OF BORING							
		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							
30									

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/22/04

C•H•J•

HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. 04175-3

Enclosure B-7

EXPLORATORY BORING NO. 8

Client: Albert A. Webb Associates

Date Drilled: 3/12/04

Location: Station 104+50

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1418.0/1405.0

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES DRIVE	SAMPLES BULK	BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
		(SM) Silty Sand, fine with clay, light brown	Native		▩		13.8		
				☒		30/6"	16.8	Dist.	Ring
5									
		(SM) Silty Sand, fine to medium with coarse and clay, light brown			▩		9.7		
				☒		30/5"	9.2	132	Ring
10									
				☒		50/5"	11.8	126	Ring
15		(SM) Silty Sand, fine with clay, light red brown			▩		18.3		
				☒		49	15.5	118	Ring
20		(SP-SM) Sand, fine to medium with coarse, clay and silt, orange brown			▩		5.8		
				☒		30/5"	6.1	Dist.	Ring
25		END OF BORING							
		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							
30									

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/22/04

C•H•J•

HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. 04175-3

Enclosure B-8

EXPLORATORY BORING NO. 9

Client: Albert A. Webb Associates

Date Drilled: 3/12/04

Location: Station 111+20

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1419.0/1403.5

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES DRIVE	SAMPLES BULK	BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
		(SM) Silty Sand, fine with medium and clay, brown	Native		▩		8.9		
				☒		29	8.4	128	Ring
		(SM) Silty Sand, fine with clay, light brown			▩		8.9		
5				☒		34	14.8	117	Ring, DS
10				☒		54	16.6	112	Ring
		(SM) Silty Sand, fine, light brown			▩		13.6		
15				☒		38/9"	13.3	Dist.	Ring
		(ML) Clayey Sandy Silt, fine, orange brown			▩		30.7		
20				☒		32	23.0	101	Ring
		(CL) Silty Clay, fine, light brown			▩		55.0		
25				☒		39	38.0	83	Ring
		END OF BORING							
30		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/22/04

C·H·J·

HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. 04175-3

Enclosure B-9

EXPLORATORY BORING NO. 11

Client: Albert A. Webb Associates

Date Drilled: 3/12/04

Location: Station 133+30

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1421.5/1407.5

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES DRIVE	SAMPLES BULK	BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
		(SM) Silty Sand, fine, light brown	Native		▩		4.8		
		(SM) Silty Sand, fine with medium and coarse, light brown			▩		6.1		MDC
5				☒		30/6"	6.0	123	Ring
10				☒		30/6"	5.2	114	Ring
		(SP) Sand, fine to medium with coarse, light yellow brown			▩		2.0		
15				☒		30/5.5"	2.0	112	Ring, DS
20				☒		30/6"	3.0	110	Ring
		(SW) Sand, fine to coarse, light yellow brown			▩		2.0		
25				☒		56/11"	2.0	113	Ring
		END OF BORING							
30		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/22/04

C•H•J•

HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. 04175-3

Enclosure B-10

EXPLORATORY BORING NO. 12

Client: Albert A. Webb Associates

Date Drilled: 3/12/04

Location: Station 144+2

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1423.7/1412.0

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES DRIVE	SAMPLES BULK	BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
		(SM) Silty Sand, fine, light brown	Native		▩		13.8		
				☒		30/5"	9.9	127	Ring
5									
		(SC) Clayey Sand, fine to medium, light brown			▩		8.4		SA
				☒		30/9.5"	9.8	115	Ring
10									
					▩		11.5		
				☒		30/6"	9.3	119	Ring
15		(SM) Silty Sand, fine, light brown			▩		11.7		
				☒		30/5"	9.6	Dist.	Ring
20									
		(SM) Silty Sand, fine to medium with clay, light brown			▩		5.8		
				☒		30/5"	4.4	Dist.	Ring
25		END OF BORING							
		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							
30									

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/22/04

C·H·J·

HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. 04175-3

Enclosure B-11

EXPLORATORY BORING NO. 13

Client: Albert A. Webb Associates

Date Drilled: 3/14/04

Location: Station 124+00

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1426.0/1414.0

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES DRIVE	SAMPLES BULK	BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
		(SM) Silty Sand, fine with clay, light brown	Native		▩		8.4		
5				▨		30/4.5"	14.2	117	Ring
		(SM) Silty Sand, fine to medium with coarse, light brown			▩		9.4		MDC, SA
10				▨		53/11"	11.1 11.0	124	Ring
		(SC) Clayey Sand, fine to medium with coarse and silt, yellow brown			▩				
15				▨		30/5"	11.1	124	Ring, DS
20				▨		43	11.9	119	Ring
25				▨		46/11"	12.0	120	Ring
		END OF BORING							
30		NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/26/04

HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. 04175-3

Enclosure B-12

EXPLORATORY BORING NO. 14

Client: Albert A. Webb Associates

Date Drilled: 3/15/04

Location: Station 137+80

Equipment / Driving Wt./Drop: CME 55 Drill Rig/140 lbs/30 in

Surface/Flow Line Elevation(ft): 1427.0/1418.1

Logged by: S.H.

Measured Depth to Water(ft): N/A

DEPTH (ft)	GRAPHIC LOG	VISUAL CLASSIFICATION	REMARKS	SAMPLES DRIVE	SAMPLES BULK	BLOWS/FOOT (Equiv. SPT)	FIELD MOISTURE (%)	DRY UNIT WT. (pcf)	LAB/FIELD TESTS
		(SM) Silty Sand, fine with medium and coarse, light brown	Native				6.1		
						30/6"	3.6 7.3	125	Ring
5									
		(SM) Silty Sand, fine to medium, orange brown				30/4"	11.3 9.5	Dist.	DS,MDC, SA Ring
10		(ML) Sandy Silt, fine with clay, brown					12.4		
						52	12.0	128	Ring
15		(SC) Clayey Sand, fine to medium with coarse, light brown					11.7		
						30/6"	10.4	130	Ring
20		(SP-SC) Sand, fine to medium with coarse, clay and silt, yellow brown					7.0		
						30/4"	8.4	123	Ring
25		END OF BORING NO BEDROCK NO REFUSAL NO FILL SLIGHT CAVING NO FREE GROUNDWATER							
30									

BORING LOG - WEBB ASSOC. ADP STORM DRAIN 04175-3.GPJ CHJ.GDT 4/22/04

C•H•J•

HOMELAND/ROMOLAND ADP PHASE I
RIVERSIDE COUNTY, CALIFORNIA

Job No. 04175-3

Enclosure B-13

APPENDIX "D"

CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS)

PERMIT NO. 08-08-N-MC-0224

STATE OF CALIFORNIA · DEPARTMENT OF TRANSPORTATION

ENCROACHMENT PERMIT RIDER

TR-0122 (REV. 6/1999)

Collected By	Permit No. (Original)
R. Moslemi	08-08-N-MC-0224
Rider Fee Paid	**Dist/Co/Rte/PM**
$ EXEMPT	08-RIV-215 PM 22.26
Date	**Rider Number**
01/31/2013	08-13-N-RT-0079

TO:

Riverside County Flood Control & Water Conservation District
1995 Market Street
Riverside, CA 92501
951-955-1200

, PERMITTEE

In compliance with (your, ~~our~~) request of January 29, 2013 (DATE) we are hereby amending the above numbered encroachment permit as follows:

Date of completion extended to: ☐ NO CHANGE ☒ October 4, 2014 (DATE)

Time Extension.

Except as amended, all other terms and provisions of the original permit shall remain in effect.

COPIES TO:

Maintenance:Riverside 720
EP Inspector:MMorris
File:08-0224
Albert A. Webb Associates:3788 McCray Street, Riverside, CA 92506

APPROVED:

Basem Muallem, District 8 Director

BY:

Richard Goh , P.E. / District Permit Engineer

FM 91 1437 (D8 Permit App)

APPENDIX "E"

SURPLUS EXCAVATED MATERIAL DISPOSAL AREA

ATTACHMENTS FILED

WITH

THE CLERK OF THE BOARD