

Aggregate for Class 2 aggregate base shall be free from organic matter and other deleterious matter, and shall be of such nature that it can be compacted readily under watering and rolling to form a firm and stable base. Aggregate may consist of broken and crushed asphalt concrete or Portland cement concrete and may contain crushed aggregate base or other rock materials. The material may contain no more than 3 percent brick by weight as determined by California Test Method 202 as modified: Brick material retained on a No.4 sieve shall be identified visually and separated manually. Brick quantification shall be based on total weight of dry sample. Also, material retained on the No.4 sieve shall contain no more than 15 percent of particles (gravel) that have no more than one fractured face.

The Quality Requirements contained in Section 26-1.02A shall be modified to read:

Quality Requirements

Test	Contract Compliance
<u>Resistance (R-Value)</u>	
Virgin Rock	78 Minimum
Crushed Miscellaneous	80 Minimum
<u>Sand Equivalent</u>	
Virgin Rock	25 Minimum
Crushed Miscellaneous	35 Minimum
Durability Index	35 Minimum
<u>Percentage Wear</u>	
100 Revolutions	15 Maximum
500 Revolutions	52 Maximum

Method of Payment:

The contract unit price paid per cubic yard for Class 2 Aggregate Base shall include full compensation for furnishing all labor, tools, materials, equipment, and incidentals, and for doing all the work involved and complete in place and no additional compensation will be allowed therefor.

No adjustment in the bid price per cubic yard for overages or underages from the stated quantity will be allowed. Sections 4-1.03B(1) and 4-1.03B(2) of the Standard Specifications do not apply for increases and decreases of pay quantity of more than 25% from the stated quantity. Payment shall be based on the actual field measured quantity.

HOT MIX ASPHALT:

Hot Mix Asphalt shall be 3-inch thick and placed in one lift or as directed by the Engineer. Compaction of the layer shall be a combination of static rolling and/or vibratory rolling. However, the initial breakdown shall require static rolling. Compaction in vibratory mode shall be at the direction of the Engineer. When vibration rolling is used, the amplitude and frequency of the roller should be adjusted accordingly to match with the asphalt thickness being compacted. The roller should be set to low amplitude and variable frequency to limit the depth effects of compaction down to the bottom of the aggregate base material.

Asphalt concrete shall be Type "A" and shall conform to the requirements of Section 39 of the Standard Specifications and the following:

Aggregate grading shall be three-quarter inch (3/4") maximum.

The asphalt lift thickness table, as shown in Section 39-6.01, "General Requirements" of the Standard Specifications, is revised as follows:

Total Thickness Shown on Plans	Minimum No. of Layers	Top Layer Thickness (foot)		Next Lower Layer Thickness (foot)		All Other Lower Layer Thickness (foot)	
		Min.	Max.	Min.	Max.	Min.	Max.
0.24-foot or less ^a	1	-	-	-	-	-	-
0.25-foot	2 ^b	0.12	0.13	0.12	0.13	-	-
0.26 - 0.46 foot	2	0.12	0.21	0.14	0.25	-	-
0.47-foot or more	3 or more	0.15	0.21	0.15	0.25	0.17	0.25

Footnotes to asphalt thickness table are revised as follows:

- a. No Change.
- b. One layer of 0.25 foot thick may be placed as approved by the Engineer. When the Traffic Index specified is 5.5 or below, two layers shall be placed.

Asphalts:

Asphalt shall conform to the provisions in this Section, "Asphalts". Section 92, "Asphalts" of the Standard Specifications shall not apply.

Asphalt shall consist of refined petroleum or a mixture of refined liquid asphalt and refined solid asphalt, prepared from crude petroleum. Asphalt shall be:

1. Free from residues caused by the artificial distillation of coal, coal tar, or paraffin;
2. Free from water;
3. Homogeneous.

General:

The Contractor shall furnish asphalt in conformance with the State California Department of Transportation's "Certification Program for Suppliers of Asphalt". The Department maintains the program requirements, procedures, and a list of approved suppliers at:

<http://www.dot.ca.gov/hq/esc/Translab/fpmcoc.htm>

The Contractor shall ensure the safe transportation, storage, use, and disposal of asphalt.

The Contractor shall prevent the formation of carbonized particles caused by overheating asphalt during manufacturing or construction.

Grade:

Performance graded (PG) asphalt binder shall conform to the following:

Property	AASHTO Test Method	Specification Grade		
		PG 64-10	PG 64-16	PG 70-10
Original Binder				
Flash Point, Minimum °C	T48	230	230	230
Solubility, Minimum % ^b	T44	99	99	99
Viscosity at 135 °C, Maximum, Pa's	T316	3.0	3.0	3.0
Dynamic Shear, Test Temp. at 10 rad/s, °C Minimum G [*] /sin(delta), kPa	T315	64 1.00	64 1.00	70 1.00
RTFO Test ^f , Mass Loss, Maximum, %	T240	1.00	1.00	1.00
RTFO Test Aged Binder				
Dynamic Shear, Test Temp. at 10 rad/s, °C Minimum G [*] /sin(delta), kPa	T315	64 2.20	64 2.20	70 2.20
Ductility at 25 °C Minimum, cm	T51	75	75	75
PAV ^f Aging, Temperature, °C	R28	100	100	110
RTFO Test and PAV Aged Binder				
Dynamic Shear, Test Temp. at 10 rad/s, °C Maximum G [*] /sin(delta), kPa	T315	31 ^d 5000	28 ^d 5000	34 ^d 5000
Creep Stiffness, Test Temperature, °C Maximum S-value, Mpa Minimum M-value	T313	0 300 0.300	-6 300 0.300	0 300 0.300

Notes:

- Not used.
- The Engineer will waive this specification if the supplier is a Quality Supplier as defined by Department's "Certification Program for Suppliers of Asphalt".
- The Engineer will waive this specification if the supplier certifies the asphalt binder can be adequately pumped and mixed at temperatures meeting applicable safety standards.
- Test the sample at 3 °C higher if it fails at the specified test temperature. $G^*\sin(\delta)$ shall remain 5000 kPa maximum.
- "RTFO Test" means the asphaltic residue obtained using the Rolling Thin Film Oven Test, AASHTO Test Method T240 or ASTM Designation: D2827.
- "PAV" means Pressurized Aging Vessel.

Performance graded polymer modified asphalt binder (PG Polymer Modified) is:

Performance Graded Polymer Modified Asphalt Binder ^a

Property	AASHTO Test Method	Specification Grade		
		PG 58-34 PM	PG 64-28 PM	PG 76-22 PM
Original Binder				
Flash Point, Minimum °C	T 48	230	230	230
Solubility, Minimum % ^b	T 44 ^c	98.5	98.5	98.5
Viscosity at 135°C, ^d Maximum, Pa·s	T 316	3.0	3.0	3.0
Dynamic Shear, Test Temp. at 10 rad/s, °C Minimum G*/sin(delta), kPa	T 315	58 1.00	64 1.00	76 1.00
RTFO Test , Mass Loss, Maximum, %	T 240	1.00	1.00	1.00
RTFO Test Aged Binder				
Dynamic Shear, Test Temp. at 10 rad/s, °C Minimum G*/sin(delta), kPa	T 315	58 2.20	64 2.20	76 2.20
Dynamic Shear, Test Temp. at 10 rad/s, °C Maximum (delta), %	T 315	Note e 80	Note e 80	Note e 80
Elastic Recovery ^f , Test Temp., °C Minimum recovery, %	T 301	25 75	25 75	25 65
PAV ^g Aging, Temperature, °C	R 28	100	100	110
RTFO Test and PAV Aged Binder				
Dynamic Shear, Test Temp. at 10 rad/s, °C Maximum G*sin(delta), kPa	T 315	16 5000	22 5000	31 5000
Creep Stiffness, Test Temperature, °C Maximum S-value, MPa Minimum M-value	T 313	-24 300 0.300	-18 300 0.300	-12 300 0.300

Notes:

- Do not modify PG Polymer Modifier using acid modification.
- The Engineer waives this specification if the supplier is a Quality Supplier as defined by the Department's "Certification Program for Suppliers of Asphalt".
- The Department allows ASTM D5546 instead of AASHTO T44.
- The Engineer waives this specification if the supplier certifies the asphalt binder can be adequately pumped and mixed at temperatures meeting applicable safety standards.
- Test temperature is the temperature at which $G^*/\sin(\delta)$ is 2.2 kPa. A graph of $\log G^*/\sin(\delta)$ plotted against temperature may be used to determine the test temperature when $G^*/\sin(\delta)$ is 2.2 Kpa. A graph of (δ) versus temperature may be used to determine δ at the temperature when $G^*/\sin(\delta)$ is 2.2 kPa. The Engineer also accepts direct measurement of (δ) at the temperature when $G^*/\sin(\delta)$ is 2.2 kPa.
- Test without a force ductility clamp may be performed.
- "PAV" means Pressurized Aging Vessel.

Sampling:

The Contractor shall provide a sampling device in the asphalt feed line connecting the plant storage tanks to the asphalt weighing system or spray bar. The sampling device shall be accessible between 24 and 30 inches above the platform. The Contractor shall provide a receptacle for flushing the sampling device.

The sampling device shall include a valve:

1. With a diameter between 1/2 and 3/4 inches;
2. Manufactured in a manner that a one-quart sample may be taken slowly at any time during plant operations;
3. Maintained in good condition.

The Contractor shall replace failed valves.

In the presence of the Engineer, the Contractor shall take 2 one-quart samples per operating day. The Contractor shall provide round friction top containers with one-quart capacity for storing samples.

Applying Asphalt:

Unless otherwise specified, the Contractor shall heat and apply asphalt in conformance with the provisions in Section 93, "Liquid Asphalts" of the Standard Specifications.

Section 39-2.01, "Asphalts" is replaced in its entirety with the followings:

Asphalt binder to be mixed with aggregate shall conform to the provisions in "Asphalts" of these Special Provisions.

The grade of asphalt binder shall be: PG 70-10

Liquid asphalt for prime coat shall conform to the provisions in Section 93, "Liquid Asphalts" of the Standard Specifications and shall be the Grade 64-10 unless otherwise designated by the contract item or otherwise specified in these Special Provisions.

Asphaltic emulsion for paint binder (tack coat) shall conform to the provisions in Section 94, "Asphaltic Emulsion" of the Standard Specifications for the rapid-setting or slow-setting type and grade approved by the Engineer. Grade 64-10 shall be used if not otherwise specified.

Section 39-3.01B (1) shall be amended to include:

Aggregate of the 3/4 inch or 1/2 inch maximum size and aggregate for asphalt concrete base shall be separated into 3 or more sizes and each size shall be stored in separate bins.

If 3 sizes are used, one bin shall contain that portion of the material which will pass the maximum size specified and be retained on a 3/8 inch sieve; one bin shall contain that portion of the material which will pass a 3/8 inch sieve and be retained on a No. 8 sieve; and one bin shall contain that portion of the material which will pass a No. 8 sieve.

Aggregate of 3/8 inch maximum size shall be separated into 2 sizes and each size shall be stored in separate bins. One bin shall contain that portion of the material which will pass the maximum size specified and be retained on a No. 8 sieve and one bin shall contain that portion of the material which will pass a No. 8 sieve.

The bin containing the fine material shall not contain more than 15 percent of material retained on the No. 8 sieve. The material in any of the other bins shall not contain more than 15 percent of material passing a No. 8 sieve. Failure to comply with this requirement shall be corrected immediately, and the material in the bins not meeting these requirements shall be re-screened or wasted.

All asphalt concrete for this project shall be supplied from one source unless approved by the Engineer. Said source shall be listed on the Contractors Source of Materials List as required in Section 6 of the Standard Specifications.

Asphaltic emulsion shall be furnished and applied as provided in Section 39-4.02.

In addition to the provisions in Section 39-5.01, "Spreading Equipment" of the Standard Specifications, asphalt paving equipment shall be equipped with automatic screed controls and a sensing device or devices.

When placing asphalt concrete to the lines and grades established by the Engineer, the automatic controls shall control the longitudinal grade and transverse slope of the screed. Grade and slope references shall be furnished, installed, and maintained by the Contractor. The Contractor shall use a ski device with a minimum length of 30 feet or as directed by the Engineer. The ski device shall be a rigid one piece unit and the entire length shall be utilized in activating the sensor.

When placing the initial mat of asphalt concrete on existing pavement, the end of the screed nearest the centerline shall be controlled by a sensor activated by a ski device not less than 30 feet. The end of the screed farthest from centerline shall be controlled by an automatic transverse slope device set to reproduce the cross slope designated by the Engineer, by a sensor activated by a similar ski device or as directed by the Engineer.

When paving contiguously with previously placed mats, the end of the screed adjacent to the previously placed mat shall be controlled by a sensor that responds to the grade of the previously placed mat and will reproduce the grade in the new mat within a 0.12 inch tolerance. The end of the screed farthest from the previously placed mat shall be controlled in the same way it was controlled when placing the initial mat.

Should the methods and equipment furnished by the Contractor fail to produce a layer of asphalt concrete conforming to the provisions, including straightedge tolerance, of Section 39-6.03, "Compacting" of the Standard Specifications or elsewhere in these Special Provisions, the paving

operations shall be discontinued and the Contractor shall modify the equipment or methods, or furnish substitute equipment.

Should the automatic screed controls fail to operate properly during a day's work, the Contractor may manually control the spreading equipment for the remainder of that day. However, the equipment shall be corrected or replaced with alternative automatically controlled equipment conforming to the provisions in this section before starting another day's work.

General Criteria For Profiling:

In addition to the straightedge provisions in Section 39-6.03, "Compacting" of the Standard Specifications, asphalt concrete pavement shall conform to the surface tolerances specified herein.

The uppermost layer of asphalt concrete surfacing shall be profiled in the presence of the Engineer using a California Profilograph or equivalent in conformance with California Test 526 and as specified in these Special Provisions.

The California Profilograph or equivalent will not be required for the following areas of the pavement surface but shall conform to the straightedge requirements in Section 39-6.03, "Compacting" of the Standard Specifications:

1. Pavement with a total thickness less than 0.24 foot;
2. Pavement on horizontal curves with a centerline curve radius of less than 1,000 feet and the pavement within the superelevation transition on those curves;
3. Pavement placed in a single lift when required by the Special Provisions;
4. Pavement with extensive grade or cross slope correction which does not receive advance leveling operations in conformance with the provisions in Section 39-6.02, "Spreading" of the Standard Specifications;
5. Pavement for ramps and connectors with steep grades and high rates of superelevation, as determined by the Engineer;
6. Shoulders and miscellaneous areas.

The Contractor shall conform to California Test 526, except a zero (null) blanking band shall be used for determining the Profile Index. Prior to beginning profiles, the profilograph shall be calibrated in the presence of the Engineer. Two profiles shall be obtained within each traffic lane, 3 feet from and parallel with the edges of the lane.

Pavements profiled shall conform to the following Profile Index requirements:

1. Pavement on tangent alignment and pavement on horizontal curves having a centerline curve radius of 2,000 feet or more shall have a Profile Index of 0.16 foot or less for each 330 feet section profiled;

2. Pavement on horizontal curves having a centerline curve radius of 1,000 feet or more but less than 2,000 feet, including the pavement within the superelevation transition of these curves, shall have a Profile Index of 0.32 foot or less for each 330 feet section profile;
3. Pavement within any 330 feet section, containing high point areas with deviations in excess of 0.025 foot in a length of 25 feet or less, when tested in conformance with the requirements in California Test 526, shall be corrected by the Contractor regardless of the Profile Index.

The Contractor shall complete initial runs of the profilograph prior to opening the pavement to public traffic. If initial profiles cannot be made prior to opening the pavement to public traffic, the initial runs of the profilograph shall be made the next day that traffic control is permitted for the area to be profiled.

Areas of the top surface of the uppermost layer of asphalt concrete pavement that do not meet the specified surface tolerances shall be brought within tolerance by abrasive grinding.

Abrasive grinding shall be performed to reduce individual deviations in excess of 0.025 foot, and to reduce the Profile Index of the pavement to be within the specified tolerance. Areas which have been subjected to abrasive grinding shall receive a seal coat. Deviations in excess of 0.025 foot which cannot be brought into specified tolerance by abrasive grinding shall be corrected by either (1) removal and replacement or (2) placing an overlay of asphalt concrete. The corrective method for each area shall be selected by the Contractor and shall be approved by the Engineer prior to beginning the corrective work. Replacement or overlay pavement not meeting the specified tolerances shall be corrected by the methods specified above. Corrective work shall be at the Contractor's expense. The Contractor shall run profilograms on the areas that have received abrasive grinding or corrective work until the final profilograms indicate the Profile Index of the area is within the specified tolerance.

When abrasive grinding is used to bring the top surface of the uppermost layer of asphalt concrete surfacing within the specified surface tolerances, additional abrasive grinding shall be performed as necessary to extend the area ground in each lateral direction so that the lateral limits of grinding are at a constant offset from, and parallel with, the nearest lane line or pavement edge, and in each longitudinal direction so that the grinding begins and ends at lines normal to the pavement centerline, within a ground area. Ground areas shall be neat rectangular areas of uniform surface appearance.

The original of the final profilograms that indicate the pavement surface is within the Profile Index specified shall become the property of the County and shall be delivered to the Engineer prior to acceptance of the contract.

Method of Payment:

The contract bid price paid per ton for Hot Mix Asphalt shall include full compensation for furnishing all labor, tools, materials, equipment, and incidentals, and for doing all the work involved including the furnishing/application of asphaltic emulsion (paint binder) and header cutting and/or joining existing pavement as shown on the plans and/or as directed by the Engineer.

COMPENSATION ADJUSTMENTS FOR PRICE INDEX FLUCTUATIONS:

The provisions of this section shall apply only to the following contract items:

ITEM CODE	ITEM
390130	Hot Mix Asphalt

The compensation payable for asphalt binder used in hot mix asphalt will be increased or decreased in conformance with the provisions of this section for paving asphalt price fluctuations exceeding 10 percent (I_u/I_b is greater than 1.10 or less than 0.90) which occur during performance of the work.

The adjustment in compensation will be determined in conformance with the following formulae when the item of asphalt concrete and asphalt rubber hot mix are included in a monthly estimate:

A. Total monthly adjustment = AQ

B. For an increase in paving asphalt price index exceeding 10 percent:

$$A = 0.90 (I_u/I_b - 1.10) I_b$$

C. For a decrease in paving asphalt price index exceeding 10 percent:

$$A = 0.90 (I_u/I_b - 0.90) I_b$$

D. Where:

A = Adjustment in dollars per ton of paving asphalt used to produce hot mix asphalt rounded to the nearest \$0.01.

I_u = The California Statewide Paving Asphalt Price Index which is in effect on the first business day of the month within the pay period in which the quantity subject to adjustment was included in the estimate.

I_b = The California Statewide Paving Asphalt Price Index for the month in which the bid opening for the project occurred.

Q = Quantity in tons of paving asphalt that was used in producing the quantity of asphalt concrete shown under "This Estimate" on the monthly estimate using the amount of asphalt determined by the Engineer.

The adjustment in compensation will also be subject to the following:

A. The compensation adjustments provided herein will be shown separately on payment estimates. The Contractor shall be liable to the County for decreased

compensation adjustments and the County may deduct the amount thereof from moneys due or that may become due the Contractor.

- B. Compensation adjustments made under this section will be taken into account in making adjustments in conformance with the provisions in Section 4-1.03B, "Increased or Decreased Quantities" of the Standard Specifications.
- C. In the event of an overrun of contract time, adjustment in compensation for paving asphalt included in estimates during the overrun period will be determined using the California Statewide Paving Asphalt Price Index in effect on the first business day of the month within the pay period in which the overrun began.

The California Statewide Paving Asphalt Price Index is determined each month on the first business day of the month by the County using the median of posted prices in effect as posted by Chevron, Mobil, and Unocal for the Buena Vista, Huntington Beach, Kern River, Long Beach, Midway Sunset, and Wilmington fields.

In the event that the companies discontinue posting their prices for a field, the County will determine an index from the remaining posted prices. The County reserves the right to include in the index determination the posted prices of additional fields.

The California Statewide Paving Asphalt Price Index is available on the Division of Engineering Services website at: http://www.dot.ca.gov/hq/esc/oe/asphalt_index/astable.html.

SUBGRADE ENHANCEMENT FABRIC (GEOGRID):

Locations for Subgrade Enhancement Fabric (Geogrid) installation will be determined in the field as directed by the Engineer.

This work includes constructing a mechanically stabilized layer (MSL) with geogrid placed between the subgrade and pavement structure.

Geogrid shall be Tensar TX140, TerraGrid RX 1200, or approved equal. Geogrid material shall be woven, needlepunched polypropylene and shall be of the Type S2 or Type R2.

Biaxial and multi-axial geogrids shall be manufactured using polypropylene material. The geogrid reinforcement elements shall consist of regular network of integrally connected polymer tensile elements with aperture geometry capable of providing mechanical interlock with the surrounding soil, aggregate or other material.

Geogrids shall conform to the tables shown below. Unless otherwise shown, all values represent minimum average roll values (MARV) as defined in ASTM D4439.

TABLE 1: BIAXIAL

Property	Test Reference	Type ¹	
		S1	S2
Ultimate Tensile Strength lbs/ft (kN/m), Min.	ASTM D6637 ¹	1300 (19)	1975 (28.8)
Tensile Strength @ 2% strain lbs/ft (kN/m), Min.	ASTM D6637 ¹	450 (6.57)	600 (8.75)
Tensile Strength @ 5% strain lbs/ft (kN/m), Min.	ASTM D6637 ¹	920 (13.4)	1340 (19.5)
Flexural Stiffness mg-cm	ASTM D7748	250000	750000
Junction strength, lbs/ft (kN/m), Min.	ASTM D7737 ¹	1170 (17.1)	1778 (26)
Torsional Stiffness, cm-kg/degree	GRI:GG9 ²	3.2	6.5
Ultraviolet Stability, @ 500 hrs (%)	ASTM D4355-05	70	70

1. Biaxial geogrid contains four perpendicular intersecting ribs at each junction formed into a bi-directionally stable network of open rectangular apertures. Biaxial geogrid is used as secondary reinforcement in grade separation applications. Also used for subgrade stabilization, aggregate base reduction and/or life extension in pavement or railroad applications. All property values are listed for the cross machine direction with the exception of flexural stiffness, measured in the machine direction, and torsional stiffness which is measured at the junction.
2. Geosynthetic Research Institute, Test Method GG9, "Torsional Behavior of Bidirectional Geogrids When Subjected to In-Plane Rotation."

Table 2: MULTI-AXIAL

Property	Test Reference	Type ¹		
		R1	R2	R3
Aperture Shape	Observation	Triangular	Triangular	Triangular
Radial Stiffness @ 0.5% Strain lbs/ft (kN/m), Min.	ASTM D6637 ²	10,285 (150)	15,430 (225)	20,580 (300)
Radial stiffness Ratio, dimensionless	ASTM D6637 ³	>0.60	>0.60	>0.60
Junction Strength Efficiency (%)	ASTM D7737 ⁴	93	93	93
Ultraviolet Stability, @ 500 hrs (%)	ASTM D4355-05	70	70	70

1. Multi-axial geogrid contains six or more intersecting ribs at each junction formed into a radially stable network of open equilateral triangular apertures. Multi-axial geogrid is used for subgrade stabilization, aggregate base reduction, asphalt concrete reduction, and/or life extension in pavement or railroad applications.
2. Minimum measured radial stiffness at 0.5% strain. Radial stiffness is measured on both the rib directions and the mid-rib directions (directions that bisect the angles between ribs).
3. Ratio of the minimum to maximum MARV values of radial stiffness at 0.5% strain
4. Load transfer capability determined in accordance with ASTM D7737 and ASTM D6637 and expressed as a percentage.

The geogrid shall be installed in accordance with this specification and installation guidelines and recommendations by the manufacturer. Additionally, the Contractor shall not:

1. Stockpile material on MSL geogrid
2. Place more MSL geogrid than can be covered in 48 hours

The geogrid may be temporarily secured in place with ties, staples, pins, or backfill or as directed by the Engineer.

When underlying subgrade is firm and stable with minimum rutting, rubber-tired equipment may pass over the MSL geogrid at speeds less than 5 mph. Do not use sudden braking or sharp turning movements.

Damaged or defective geogrid shall be replaced by the Contractor at no additional cost to the County. Replacement of damaged area shall consist of replacing the affected area adding 3 ft of geogrid beyond the limits of the affected area.

Method of Payment:

The contract bid price paid per square yard for Subgrade Enhancement Fabric (Geogrid) shall include full compensation for furnishing all labor, tools, material, equipment, and incidentals, and for doing all the work involved and complete in place for one layer of Geogrid in the area of the Asphalt Concrete roadway construction and no additional compensation will be allowed therefor. The quantity shall be measured as one layer of Geogrid under asphalt concrete surfaces only, and does not include overlap.

No adjustment in the bid price per square yard for overages or underages from the stated quantity will be allowed. Sections 4-1.03B(1) and 4-1.03B(2) of the Standard Specifications do not apply for increases and decreases of pay quantity of more than 25% from the stated quantity. Payment shall be based on the actual field measured quantity.

ROADSIDE SIGN - ONE POST:

Locations for Roadside Signs will be determined in the field as directed by the Engineer.

The "One-Way" sign shall be in accordance with MUTCD Sign Standard No. R6-1.

The Contractor shall furnish and install roadside signs at the locations shown on the plans or as directed by the Engineer, in conformance to the provisions in Section 56-2 "Roadside Signs," of the State Standard Specifications and these Special Provisions.

All Signs shall be installed on new square perforated steel tube posts in accordance with County Standard No. 1222.

All roadway signs shall have retroreflective sheeting. Except as stated below, the retro-reflectivity for all roadway signs, both temporary and permanent installations, shall meet or exceed ASTM Standard D 4956 Type III (3M Co. High Intensity Grade or approved equal). The retroreflectivity

for R1-1 ("STOP") signs and W3-1 (Stop Ahead) signs shall meet ASTM Standard D 4956 Type IX (3M Co. Diamond Grade or approved equal).

Method of Payment:

The contract unit price paid per each for Roadside Sign - One Post shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and for doing all the work including all necessary concrete excavation and backfill as specified in the Standard Specifications.

PAINT TRAFFIC STRIPE AND PAVEMENT MARKING:

Painting traffic stripes and pavement markings shall conform to the provisions in Sections 84-1, "General," 84-3, "Painted Traffic Stripes and Pavement Markings," and 84-3.05, "Application," of the Standard Specifications and these Special Provisions.

Traffic striping shall be applied in two coats with airless equipment and shall be performed with a roadliner truck mounted striping machine. Where the configuration or location of a traffic stripe is such that the use of a roadliner truck mounted striping machine is unsuitable, traffic striping and glass spheres may be applied by other methods and equipment approved by the Engineer.

Newly painted traffic striping shall be protected from damage by public traffic or other causes until the paint is thoroughly dry. Any newly painted traffic striping which are damaged as a result of the construction, including wheel markings by public traffic and the construction equipment, shall be repainted by the Contractor and any associated removals shall be performed as called for in the Standard Specifications.

Method of Payment:

The contract price paid per lump sum for Paint Traffic Stripe and Pavement Markings (2 Coat) shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in painting traffic stripe and pavement markings (regardless of the number, widths, and types of individual stripes involved in each traffic stripe) including any necessary cat tracks, dribble lines, any layout work, complete in place as shown on the plans, as specified in the Standard Specifications and these Special Provisions, and as directed by the Engineer.

HIGH DENSITY POLYETHYLENE (HDPE) PIPE:

Plastic Pipe shall conform to the provisions in Section 64, "Plastic Pipe", of the Standard Specifications, except as otherwise specified in these specifications.

Plastic Pipe shall be Type S corrugated polyethylene pipe with smooth interior wall manufactured from high density polyethylene (HDPE) virgin compounds.

Installation shall be in accordance with the plans, Standard Specifications, these specifications, and as recommended by the pipe manufacturer.

All the joints of the HDPE pipes need to be watertight. The watertight joints shall conform to section 64 of the Standard specifications. Full compensation of all labor, materials, tools, and incidentals for making the HDPE pipes watertight shall be included in the payment for the different sizes of the HDPE Pipe.

At all pipe joint locations, the inside of the pipe shall be smooth and free of obstructions.

Except as otherwise designated by classification on the plans or in the specifications, joints for culvert and drainage pipes shall conform to the plans or specifications for standard joints.

Pipe shall be placed in a trench 12" minimum wider than the outside diameter of the pipe being installed. Trenching shall be 6" minimum in width on each side of the pipe.

The pipe shall be placed in the bottom of the trench and the trench shall be backfilled.

If so directed by the Engineer, the pipe shall be backfilled with two sack slurry.

The slurry shall be allowed to cure a minimum of two days prior to final paving.

Slurry cement backfill shall conform to Section 19-3.062 of the Standard Specifications, except that full compensation therefor shall be considered as included in the prices paid for the contract unit bid price paid per linear foot for HDPE Pipe of the types specified in the Bid Items list and no additional compensation will be allowed therefor.

Temporary road steel plates shall be installed over the trench to allow traffic movements until the new asphalt concrete is installed or as directed by the Engineer.

Full compensation for providing, installing and maintaining temporary road steel plates shall be considered as included in the contract unit bid prices paid per linear foot for HDPE Pipe of the types specified in the Bid Items list and no additional compensation will be allowed therefor.

Full compensation for the removal and disposal of existing pipe shall be considered as included in the contract unit bid prices paid per linear foot for HDPE Pipe.

Method of Payment:

The contract price paid per linear foot for the different sizes of HDPE Pipe includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all of the work involved in installing HDPE Pipe, complete in place, including structure excavation and backfill, slurry encasement, and removing and properly disposing of existing pipe that is being replaced, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

ROCK SLOPE PROTECTION:

Rock slope protection shall be placed or constructed in conformance with the provisions in Section 72, "Slope Protection," of the Standard Specifications and these special provisions.

Rock slope protection fabric shall conform to the applicable portions of Section 72, "Slope Protection", and Section 88, "Engineering Fabrics" of the Standard Specifications and these special provisions.

Rock slope protection fabric shall be nonwoven type fabric, Type A or Type B, at the option of the Contractor.

Method of Payment:

Full compensation for furnishing and installing all Rock Slope Protection Fabric shall be considered as included in the contract price paid per square yard, for Rock Slope Protection and no additional compensation will be allowed therefor.

The unit price paid per square yard for Rock Slope Protection shall include full compensations for furnishing all labor, materials (including rock, rock slope protection fabric), tools, equipment and incidentals, and for doing all work involved in constructing the rock slope protection, complete in place, including any excavation and backfill necessary for placing rock slope protection.

MISCELLANEOUS WORK AS DIRECTED:

Miscellaneous Work As Directed shall consist of unexpected and/or necessary work that is not included in other contract bid items, as determined by the Engineer. Miscellaneous Work As Directed shall be performed as directed by the Engineer and in accordance with the applicable standards and specifications.

Method of Payment:

Payment for implementing Miscellaneous Work As Directed will be paid for on a force account basis, in accordance with Section 9-1.03 of the Standard Specifications, up to the fixed bid price, for the work performed.

OBSTRUCTIONS:

Attention is directed to Sections 8-1.10, "Utility and Non-Highway Facilities", and 15, "Existing Highway Facilities" of the Standard Specifications and these Special Provisions.

Existing utility and privately owned facilities shall be protected in accordance with Section 7-1.11, "Preservation of Property" and these Special Provisions. The Contractor is also responsible to protect those facilities that are to be relocated by others prior to or during construction, and shall protect those facilities in both their existing and their ultimate locations. The Contractor shall cooperate with owners and their Contractors of utility and privately owned facilities, for the relocation of said facilities, in accordance with Section 7-1.14, "Cooperation" of the Standard Specifications.

All water valves and covers, gas valves and covers, sewer manholes, survey monuments, survey markers and any other utility appurtenances shall be protected in place.

The Contractor's attention is directed to the existence of certain underground facilities that may require special precautions be taken by the Contractor to protect the health, safety and welfare of workmen and the public. Facilities requiring special precautions include, but are not limited to: conductors of petroleum products, oxygen, chlorine, and toxic or flammable gases; natural gas in pipe lines greater than 6 inches in diameter or pipe lines operating at pressures greater than 60 psi (gage); underground electric supply system conductors or cables either directly buried or in duct or conduit which do not have concentric neutral conductors or other effectively grounded metal shields or sheaths; and underground electrical conductors with potential to ground of more than 300 volts. The Contractor shall notify the Engineer at least twenty-four hours prior to performing any work in the vicinity of such facilities.

Attention is directed to the requirements of Government Code Sections 4216-4216.9 pertaining to existing utility facilities.

Method of Payment:

Full compensation for all costs, including labor, equipment, materials and incidentals, required to comply with the requirements of this section above, including protection of water valves and covers, gas valves and covers, sewer manholes, survey monuments, survey markers and any other utility appurtenances, shall be considered as included in the various items of work, and no additional compensation will be allowed therefor.

CONSTRUCTION PROGRESS SCHEDULE:

The Contractor shall submit to the Engineer a practicable progress schedule within 20 working days of approval of the contract, and within 10 working days of the Engineer's written request at any other time.

The schedule shall show the location order in which the Contractor proposes to carry out the work, the dates on which the Contractor will start several relevant features of the work (Mobilization, Grading, Paving, Clean-Up) and the contemplated dates for completing those relevant features.

The progress schedules submitted shall be consistent in all respects with the time and order of work requirements for the contract.

The Contractor may use the Mobile Home Index Map as reference to schedule order of work for the project sites by geographic location.

The Contractor may perform concurrent work on a maximum of four (4) projects sites at one time. Work on the project sites scheduled for work shall be completed to the satisfaction of the Engineer. The Contractor shall not start work on other project sites until directed to do so by the Engineer.

Method of Payment:

Full compensation for conforming to the provisions in this section, not otherwise provided for, shall be considered as included in prices paid for the various contract items of work involved and no additional compensation will be allowed therefor.

Appendix A

AQMD Recommendations

Dust Abatement Attachments

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AQMD SIGNAGE RECOMMENDATIONS**November, 2001**

Plan holder shall post signage at specified locations on the subject property in accordance with the standards specified below. The exception to the standards is that all letters shall be 4 inches high, with the names and telephone numbers of appropriate contacts and services in bold print, as indicated in the standards. These signs shall also include the SCAQMD toll free complaint line 1-800-CUT-SMOG (1-800-288-7664) and the telephone number for the Environmental Observer. These signs shall be posted within 50 feet of the curb on all four (4) corners of the subject property.

For each Dust Control Plan aggregating less than, or equal to, ten (10) acres:

1. The applicant shall install a sign on such property which is visible to the public that meets the following requirements:
 - (a) Such sign shall measure at least four (4) feet wide by four (4) feet high and conform to the specifications in 1 (a) below.

For each Dust Control Plan aggregating over ten (10) acres:

2. The applicant shall install a sign on such property which is visible to the public that meets the following requirements:
 - (a) Such sign shall measure at least eight (8) feet wide by four (4) feet high and conform to the specifications in 1 (b) below.

THE SIGN SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

1. **The sign boards shall be constructed with materials capable of withstanding the environment in which they are placed.**

(a) For 4' x 4' signs, the District recommends the following:

- I. 3/4" A/C laminated plywood board
- II. Two 4" x 4" posts
- III. The posts should be attached to the edges of the plywood board with at least 2 carriage bolts on each post.
- IV. The front surface of the sign board should be painted in the contrasting color of a white background with black lettering.

(b) For 4' x 8' signs, the District recommends the following:

- I. 1" A/C laminated plywood board
- II. Two 5" x 6" posts
- III. The posts should be attached to the 4' edges of the plywood board with at least 2 carriage bolts on each post.
- IV. The front surface of the sign board should be painted in the contrasting color of a white background with black lettering.

2. The sign board shall be installed and maintained in a condition such that members of the public can easily view, access, and read the sign at all times until the expiration date of the Dust Control plan.

(a) For 4' x 4' signs, the District recommends the following:

- I. The lower edge of the sign board should be mounted at least 2' above the existing ground surface to facilitate ease of viewing.
- II. The posts should be set in a hole at least 3' deep with concrete footings to preclude downing by high winds.
- III. On the construction site, the sign should be positioned such that nothing obstructs the public's view from the primary street access point.
- IV. For construction projects that are developed in phases, the sign should be moved to the area that is under active construction.
- V. In situations where all phases of the construction project are completed on a property prior to expiration of the Dust Control Plan, a written request for cancellation of the Dust Control Plan must be submitted to the Engineer.

(b) For 4' x 8' signs, the District recommends the following:

- I. The lower edge of the sign board should be mounted at least 2' above the existing ground surface to facilitate ease of viewing.
- II. The posts should be set in a hole at least 4' deep with concrete footings to preclude downing by high winds.
- III. On the construction site, the sign should be positioned such that nothing obstructs the public's view from the primary street access point.
- IV. For construction projects that are developed in phases, the sign should be moved to the area that is under active construction.
- V. In situations where all phases of the construction project are completed on a property prior to expiration of the Dust Control Plan, a written request for cancellation of the Dust Control Plan must be submitted to the Engineer.

3. The sign board shall contain the following information:

- (a) Project Name
- (b) Name of Prime Contractor
- (c) Phone Number of Contractor's Employee Responsible for Dust Control Matters
- (d) County designated phone number (to be provided by the Engineer)
- (e) South Coast Air Quality Management District Phone Number

4. The sign board shall be designed to the following alpha and numeric text dimensions (sign boards written in longhand are unacceptable).

- (a) For a permittee subject to the 4' x 4' sign requirement, the District provides the following example: (as modified by the County of Riverside for use on County Public Works projects)

1" UPPERCASE Letters →	PROJECT NAME:		3 ½ " Title Case Bold Letters ←
1" UPPERCASE Letters →	CONTRACTOR		3 ½ " Title Case Bold Letters ←
1" Title Case Letters →	Contractor's Dust Control Phone #		3" Bold Numbers ←
1" Title Case Letters →	County of Riverside Phone #		3" Bold Numbers ←
1" Title Case Letters →	Phone Number:	SCAQMD 1-800-CUT-SMOG	3 ½ " Bold Numbers ←

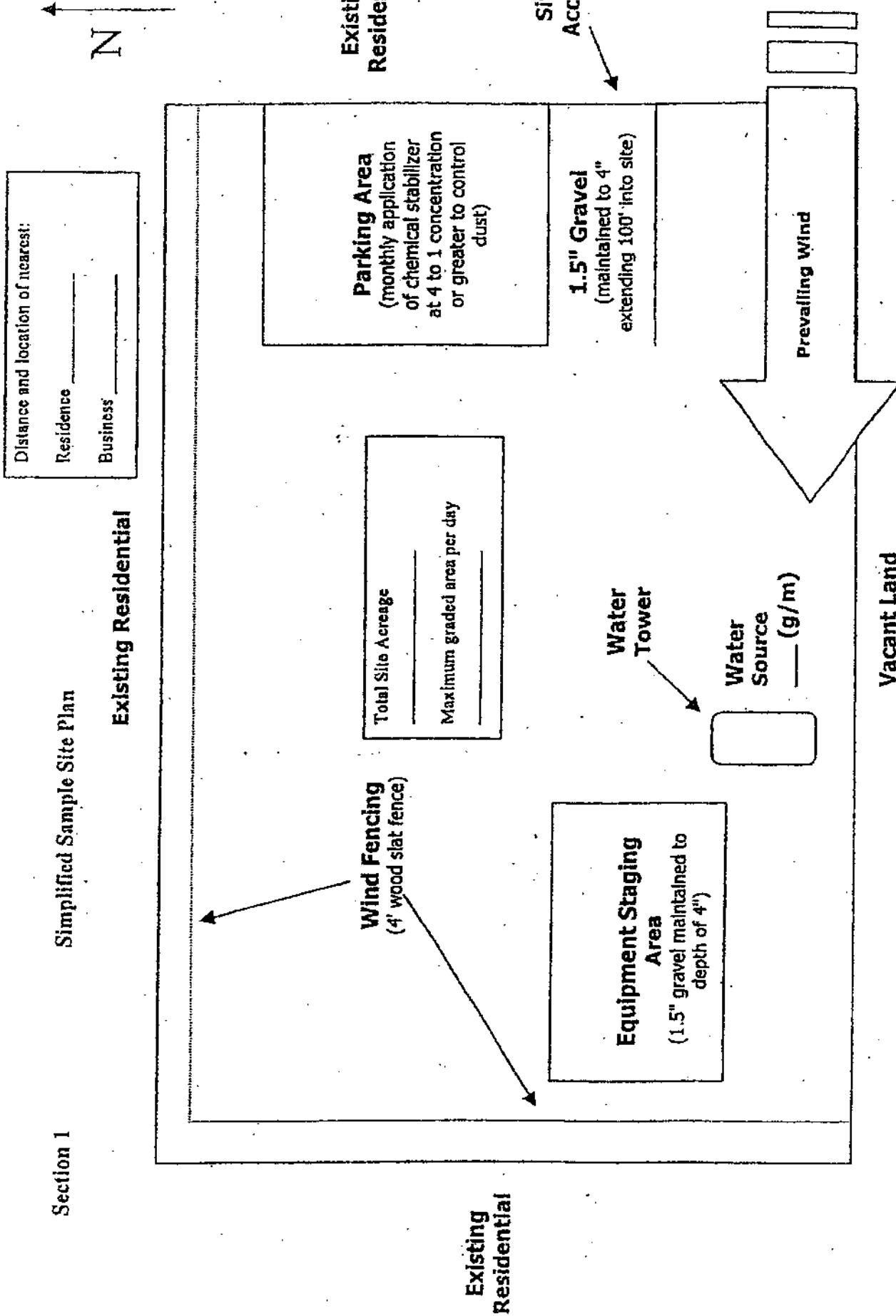
"Title Case" means the first letter of a word is capitalized and subsequent letters are lower case.

AQMD Recommendations

(b) For a permittee subject to the 4' x 8' sign requirement, the District provides the following example: (as modified by the County of Riverside)

2" UPPERCASE Letters	PROJECT NAME:	4" Title Case Bold Letters
2" UPPERCASE Letters	CONTRACTOR	4" Title Case Bold Letters
2" Title Case Letters	Contractor's Dust Control Phone #	4" Bold Numbers
2" Title Case Letters	County of Riverside Phone #	4" Bold Numbers
2" Title Case Letters	Phone Number:	4 ½" Bold Numbers
2" Title Case Letters	SCAQMD 1-800-CUT-SMOG	
	COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT	

ASMD Recommendations



Remember...
DUST CONTROL IS REQUIRED 24 HOURS A DAY, 7 DAYS A WEEK,
REGARDLESS OF CONSTRUCTION STATUS

Plan Review Checklist Clearing/Grubbing/Mass Grading Phase

- ☐ If feasible, use grading permit conditions to break the project into phases so that only a portion of the site is disturbed at any given time to ensure control of fugitive dust. This technique is critical for project sites with greater than 100 acres.

- ☐ Prior to initiating activity, pre-water site through use of portable irrigation lines. At least 72 hours of pre-watering is recommended for each area prior to initiating earth-movement. Require the Applicant to specify water source and available flow rate (g/m).

- ☐ Water applied continuously to all disturbed portions of the site by means of water truck/water pull as necessary to maintain sufficient visible moisture on the soil surface. For reference, one 2,000 gallon water truck can treat approximately 4 acres of active construction per hour. Also, for cut and fill activities, one 10,000 gallon water pull is estimated to be necessary for each 7,000 cubic yards of daily earth-movement. Multiple 4,000-gallon water trucks may be used in place of one 10,000-gallon water pull. Touch and visual contrast are reasonably good indicators of soil moisture. Surface areas that are dry to the touch and appear lighter-colored require the application of additional water to prevent visible or fugitive dust. Require the Applicant to specify the number of watering vehicles available for dust control during mass grading and during off-hours as well as availability of back-up water trucks if the site experiences dust control problems.

- ☐ Water towers are necessary for projects with more than 10 acres of active construction. Without a water tower, it can take up to 30 minutes to fill a 2,000 gallon water truck. Also, multiple water towers are necessary for projects that use water pulls as filling one 10,000 gallon water pull can drain a water tower which takes up to 40 minutes to refill.

- ☐ Wind fencing is necessary between the site and nearby residences or businesses. Off-site upwind fencing and on-site wind fencing for larger projects can also keep blowsand from being deposited onto the site or traveling through the site.

- ☐ A perimeter watering system consisting of portable irrigation equipment may be an effective mitigation system to protect surrounding residences and businesses. The portable watering system may be used in place of or in conjunction with watering trucks. The local jurisdiction may also be provided access to this equipment.

Remember...

**DUST CONTROL IS REQUIRED 24 HOURS A DAY, 7 DAYS A WEEK,
REGARDLESS OF CONSTRUCTION STATUS**

- ☐ Construction site accesses are to be improved with 1.5" gravel maintained to a depth of 4" , at least 20' wide, and extending 100 feet into the site. If the project site is not balanced, a wheel washing system and/or ribbed steel plates should be placed in the roadway before the vehicle enters the graveled area to clean the tires and prevent trackout.
- ☐ Equipment staging areas are to be treated with 1.5" gravel maintained to a depth of 4".
- ☐ Employee parking areas are to be covered with 1.5" gravel maintained to a depth of 4" or treated with chemical dust suppressants at a 4 to 1 ratio on at least a monthly basis to prevent fugitive dust.
- ☐ Chemical dust suppressants are to be mixed at a ratio of 20 to 1 and applied to all disturbed surfaces that are proposed to remain inactive for a period of at least 10 consecutive days. These products are effective in preventing and controlling dust. Recordkeeping is necessary to demonstrate compliance.
- ☐ All project sites greater than 100 acres shall monitor daily wind speeds and AQMD forecasted wind events (call 1.800.CUT.SMOG; press one for air quality information, and then press five for Coachella Valley wind forecasts). Operators shall maintain these records for review by any local code enforcement officer or AQMD inspector.
- ☐ An environmental observer whose primary duty is to oversee dust control at the site is to be used for construction projects greater than 100 acres and/or sites with more than 50 acres of active construction. The environmental observer is tasked with monitoring dust abatement measures and authorized to deploy additional water trucks and other dust control actions (i.e., wind fencing, street sweepers, chemical dust suppressants, etc.) as necessary to prevent or control fugitive dust.
- ☐ Other (specify): _____

Remember...

**DUST CONTROL IS REQUIRED 24 HOURS A DAY, 7 DAYS A WEEK,
REGARDLESS OF CONSTRUCTION STATUS**

**Plan Review Checklist
Finish Grading Phase**

- ☐ Water applied continuously to all disturbed portions of the site by means of water truck/water pull as necessary to maintain sufficient visible moisture on the soil surface. For reference, one 2,000 gallon water truck can treat approximately 4 acres of active construction per hour. Also, for cut and fill activities, one 10,000 gallon water pull is estimated to be necessary for each 7,000 cubic yards of daily earth-movement. Multiple 4,000-gallon water trucks may be used in place of a 10,000-gallon water pull. Touch and visual contrast are reasonably good indicators of soil moisture. Surface areas that are dry to the touch and appear lighter-colored require the application of additional water to prevent visible or fugitive dust. Require the Applicant to specify the number of watering vehicles available for dust control during finish grading and during off-hours as well as availability of back-up water trucks if the site experiences dust control problems.
- ☐ Water towers are necessary for projects with more than 10 acres of active construction. Without a water tower, it can take up to 30 minutes to fill a 2,000 gallon water truck. Also, multiple water towers are necessary for projects that use water pulls as filling one 10,000 gallon water pull can drain a water tower which takes up to 40 minutes to refill.
- ☐ Wind fencing is necessary between the site and nearby residences or businesses to reduce fugitive dust. Off-site upwind fencing and on-site wind fencing for larger projects can also keep blowsand from being deposited onto the site or traveling through a site.
- ☐ Chemical dust suppressants are to be applied at a concentration of at least 10 to 1 to finish graded areas once final elevations have been reached. For areas that will remain inactive for longer periods, vegetation can be a cost-effective alternative to chemical stabilization. Wind fencing or other obstructions can keep the stabilized area free from future disturbances.
- ☐ Construction site access(es) are to be improved with 1.5" gravel maintained to a depth of at least 4" with a minimum width of at least 20', extending 100 feet into the project site.
- ☐ Equipment staging areas are to be treated with 1.5" gravel maintained to a depth of 4".
- ☐ Internal roadway networks are to be treated with chemical dust suppressants at a minimum rate of at least 4 to 1 and retreated on a monthly basis once final roadway elevations have been reached.
- ☐ Employee parking areas are to be treated with chemical dust suppressants at a mix ratio of at least 4 to 1 and retreated on at least a monthly basis or covered with 1.5" gravel maintained to a depth of 4" to prevent fugitive dust.
- ☐ Other (specify): _____

Remember...**DUST CONTROL IS REQUIRED 24 HOURS A DAY, 7 DAYS A WEEK,
REGARDLESS OF CONSTRUCTION STATUS**

**Plan Review Checklist
Construction Phase**

- ☐ Water applied continuously to all disturbed portions of the site by means of water truck/water pull is necessary to maintain sufficient visible moisture on the soil surface. For reference, one 2,000 gallon water truck can treat approximately 4 acres of active construction per hour. Touch and visual contrast are reasonably good indicators of soil moisture. Surface areas that are dry to the touch and appear lighter-colored require the application of additional water to prevent visible or fugitive dust. Require the Applicant to specify the number of watering vehicles available for dust control during the construction phase and during off-hours as well as availability of back-up water trucks if the site experiences dust control problems.
- ☐ Wind fencing is necessary between the site and nearby residences or businesses. Off-site upwind fencing and on-site wind fencing for larger projects can also keep blow-sand from being deposited onto the site or traveling through the site. Block walls, if part of the final project, can replace wind fencing during the construction phase.
- ☐ Chemical dust suppressants are to be applied at a concentration of at least 20 to 1 to finish graded areas once final elevations have been reached. For areas that will remain inactive for longer periods, vegetation can be a cost-effective alternative to chemical stabilization. Wind fencing or other obstructions can keep the stabilized area free from future disturbances.
- ☐ Construction site accesses are to be improved with 1.5" gravel, maintained to a depth of 4", with a width of at least 20', extending 100' into the project site. Paving internal roadways can substitute for gravel.
- ☐ Internal roadway networks are to be paved as early as feasible in the construction phase. Street sweeping of internal and/or external access roads will likely be required to control entrained road dust.
- ☐ Employee parking areas are to be treated with chemical dust suppressants at a mix ratio of no less than 4 to 1 and retreated on a monthly basis, or more frequently if fugitive dust is observed. If internal roadway is complete, employees are to be instructed to park on paved roads.
- ☐ Other (specify): _____

Remember...**DUST CONTROL IS REQUIRED 24 HOURS A DAY, 7 DAYS A WEEK,
REGARDLESS OF CONSTRUCTION STATUS**

RULE 403 IMPLEMENTATION HANDBOOK

REASONABLY AVAILABLE CONTROL MEASURES

Paragraph (d)(3) of Rule 403 allows activities outside the South Coast Air Basin (see Figure 2-1) to implement reasonably available control measures in lieu of best available control measures. Additionally, as specified by subparagraph (f)(3)(D) of Rule 403, any person seeking approval of a fugitive dust emissions control plan for projects outside the South Coast Air Basin must demonstrate to the satisfaction of the District that the given activity is employing all reasonably available fugitive dust control measures.

The District has prepared the attached listing of reasonably available fugitive dust control measures for a variety of source categories. This list is based on the U.S. Environmental Protection Agency's reference document entitled, "Control of Open Fugitive Dust Sources," Midwest Research Institute, September 1988.

The District encourages the use of those dust control measures that minimize the use of potable water. When water is needed, reclaimed water should be utilized to the greatest extent feasible.

REASONABLY AVAILABLE CONTROL MEASURES

The left column contains a listing of the sources of fugitive dust which are intended for emission control under District Rule 403 and a listing of control measures and high-wind measures. The right column contains a description of the reasonably available fugitive dust control measures for each of the sources.

Source: (1) Land Clearing/Earth-Moving

CONTROL MEASURES

DESCRIPTION

- | | |
|--------------------------------|--|
| (A) Watering | (1) Application of water by means of trucks, hoses and/or sprinklers prior to conducting any land clearing. This will increase the moisture content of the soils; thereby increasing its stability. |
| | (2) Pre-application of water to depths of proposed cuts. |
| | (3) Once the land clearing/earth moving activities are complete, a second application of water can generate a thin crust that stabilizes the disturbed surface area provided that it is not disturbed. (Security fencing can be used to prevent unwanted future disturbances of sites where a surface crust has been created). |
| (D) Chemical stabilizers | (1) Only effective in areas which are not subject to daily disturbances. |
| | (2) Vendors can supply information on product application and required concentrations to meet the specifications established by the Rule. |
| (C) Wind fencing | (1) Three- to five-foot barriers with 50% or less porosity located adjacent to roadways or urban areas can be effective in reducing the amount of windblown material leaving a site. |
| | (2) Would likely be used in conjunction with other measures (e.g., watering, chemical stabilization, etc.) to ensure that visible emissions do not cross a property line. |
| (D) Cover haul vehicles | (1) Entire surface area of hauled earth should be covered once vehicle is full. |
| (E) Bedliners in haul vehicles | (1) When feasible, use in bottom-dumping haul vehicles. |

HIGH WIND MEASURE

- (a) Cease all active operations; or
- (b) Apply water within 15 minutes to any soil surface which is being moved or otherwise disturbed.

January 1999

Source: (2) Unpaved Roads

CONTROL MEASURES**DESCRIPTION**

- | | |
|----------------------------|---|
| (F) Paving | (1) Requires street sweeping/cleaning if subject to material accumulation. |
| (G) Chemical stabilization | (1) Vendors can supply information as to application methods and concentrations to meet the specifications established by the Rule
(2) Not recommended for high volume or heavy equipment traffic use. |
| (H) Watering | (1) In sufficient quantities to keep surface moist.
(2) Required application frequency will vary according to soil type, weather conditions, and vehicular use. |
| (I) Reduce speed limits | (1) 15 mile per hour maximum. May need to be used in conjunction with watering or chemical stabilization to prevent visible emissions from crossing the property line. |
| (J) Reduce vehicular trips | (1) Access restriction or redirecting traffic to reduce vehicle trips by a minimum of 60 percent. |
| (K) Gravel | (1) Gravel maintained to a depth of four inches can be an effective measure.
(2) Should only be used in areas where paving, chemical stabilization or frequent watering is not feasible. |

HIGH WIND MEASURE

- (c) Apply a chemical stabilizer (to meet the specifications established by the Rule) prior to wind events; or
 (d) Apply water once each hour; or
 (e) Stop all vehicular traffic.

January 1999

RULE 403 IMPLEMENTATION HANDBOOK

AQMD Recommendations

Source: (3) Storage Piles

CONTROL MEASURES

DESCRIPTION

- | | |
|--|--|
| (L) Wind sheltering | (1) Enclose in silos.
(2) Install three-sided barriers equal to height of material, with no more than 50 percent porosity. |
| (M) Watering | (1) Application methods include: spray bars, hoses and water trucks.
(2) Frequency of application will vary on site-specific conditions. |
| (N) Chemical stabilizers | (1) Best for use on storage piles subject to infrequent disturbances. |
| (O) Altering load-in/load-out procedures | (1) Confine load-in/load-out procedures to leeward (downwind) side of the material.
(2) May need to be used in conjunction with wind sheltering to prevent visible emissions from crossing the property line. |
| (P) Coverings | (1) Tarps, plastic, or other material can be used as a temporary covering.
(2) When used, these should be anchored to prevent wind from removing coverings. |

HIGH WIND MEASURE

- (f) Apply chemical stabilizers (to meet the specifications established by the Rule) prior to wind events; or
(g) Apply water once per hour; or
(h) Install temporary covers.

Source: (4) Paved Road Track-Out

CONTROL MEASURES

DESCRIPTION

- | | |
|--------------------------------|--|
| (Q) Chemical stabilization | (1) Most effective when used on areas where active operations have ceased.
(2) Vendors can supply information on methods for application and required concentrations. |
| (R) Sweep/clean roadways | (1) Either sweeping or water flushing may be used. |
| (S) Cover haul vehicles | (1) Entire surface area should be covered once vehicle is full. |
| (T) Bedliners in haul vehicles | (1) When feasible, use in bottom dumping vehicles. |
| (U) Site access improvement | (1) Pave internal roadway system.
(2) Most important segment, last 100 yards from the connection with paved public roads |

HIGH WIND MEASURE

- | |
|---|
| (i) Cover all haul vehicles; and |
| (j) Clean streets with water flushing, unless prohibited by the Regional Water Quality Control Board. |

January 1999

Source: (5) Disturbed Surface Areas/ Inactive Construction Sites

CONTROL MEASURES

DESCRIPTION

- | | |
|----------------------------|---|
| (Q) Chemical stabilization | (1) Most effective when used on areas where active operations have ceased.
(2) Vendors can supply information on methods for application and required concentrations. |
| (R) Watering | (1) Requires frequent applications unless a surface crust can be developed. |
| (S) Wind fencing | (1) Three- to five-foot barriers with 50% or less porosity adjacent to roadways or urban areas can be effective in reducing the amount of wind blown material leaving a site. |
| (T) Vegetation | (1) Establish as quickly as possible when active operations have ceased.
(2) Use of drought tolerant, native vegetation is encouraged. |

HIGH WIND MEASURES

- (k) Apply chemical stabilizers (to meet the specifications established by the Rule); or
(l) Apply water to all disturbed surface areas 3 times per day.

January 1999

RULE 403 IMPLEMENTATION HANDBOOK

BEST AVAILABLE CONTROL MEASURES

Rule 403, paragraph (d)(2) requires active operations [defined in Rule 403, paragraph (c)(1)] within the South Coast Air Basin (see Figure 2-1) to implement at least one best available control measure for each fugitive dust source type on site. Additionally, as specified by subparagraph (f)(3)(D) of Rule 403, any person seeking approval of a fugitive dust emissions control plan for projects within the South Coast Air Basin must demonstrate to the satisfaction of the AQMD that the given activity is employing all best available fugitive dust control measures.

The AQMD has prepared the attached listing of best available fugitive dust control measures for a variety of source categories. This list is based on the U.S. Environmental Protection Agency's reference document entitled, "Fugitive Dust Background Document and Technical Information Document for Best Available Control Measures," Office of Air and Radiation, September 1992.

The AQMD encourages the use of those dust control measures that minimize the use of potable water. When water is needed, reclaimed water should be utilized to the greatest extent feasible.

RULE 403 IMPLEMENTATION HANDBOOK

BEST AVAILABLE CONTROL MEASURES

The left column contains a listing of the sources of fugitive dust which are intended for emission control under District Rule 403, and a listing of control measures and high-wind measures. The right column contains a description of the best available fugitive dust control measures for each of the sources.

Source: (1) Land Clearing/Earth-Moving	
<u>CONTROL MEASURES</u>	<u>DESCRIPTION</u>
(A) Watering (pre-grading)	(1) Application of water by means of trucks, hoses and/or sprinklers prior to conducting any land clearing. This will increase the moisture content of the soils; thereby increasing its stability. (2) Pre-application of water to depths of proposed cuts.
(A-1) Watering (post-grading)	(1) In active earth-moving areas water should be applied at sufficient frequency and quantity to prevent visible emissions from extending more than 100 feet from the point of origin.
(A-2) Pre-grading planning	(1) Grade each phase separately, timed to coincide with construction phase; or (2) Grade entire project, but apply chemical stabilizers or ground cover to graded areas where construction phase begins more than 60 days after grading phase ends.
(B) Chemical stabilizers	(1) Only effective in areas which are not subject to daily disturbances (2) Vendors can supply information on product application and required concentrations to meet the specifications established by the Rule.
(C) Wind fencing	(1) Three- to five-foot barriers with 50% or less porosity located adjacent to roadways or urban areas can be effective in reducing the amount of windblown material leaving a site. Must be implemented in conjunction with either measure (A-1) or (B).
(D) Cover haul vehicles	(1) Entire surface area of hauled earth should be covered once vehicle is full.
(E) Bedliners in haul vehicles	(1) When feasible, use in bottom-dumping haul vehicles.

HIGH WIND MEASURE

- (a) Cease all active operations; or
- (b) Apply water within 15 minutes to any soil surface which is being moved or otherwise disturbed.

RULE 403 IMPLEMENTATION HANDBOOK

Source: (2) Unpaved Roads

CONTROL MEASURES

DESCRIPTION

- | | |
|----------------------------|---|
| (F) Paving | (1) Requires street sweeping/cleaning if subject to material accumulation. |
| (G) Chemical stabilization | (1) Vendors can supply information as to application methods and concentrations to meet the specifications established by the Rule
(2) Not recommended for high volume or heavy equipment traffic use. |
| (H) Watering | (1) In sufficient quantities to keep surface moist.
(2) Required application frequency will vary according to soil type, weather conditions, and vehicular use. |
| (I) Reduce speed limits | (1) 15 mile per hour maximum. May need to be used in conjunction with watering or chemical stabilization to prevent visible emissions from crossing the property line. |
| (J) Reduce vehicular trips | (1) Access restriction or redirecting traffic to reduce vehicle trips by a minimum of 60 percent. |
| (K) Gravel | (1) Gravel maintained to a depth of four inches can be an effective measure.
(2) Should only be used in areas where paving, chemical stabilization or frequent watering is not feasible. |

HIGH WIND MEASURE

- (a) Apply a chemical stabilizer (to meet the specifications established by the Rule) prior to wind events; or
(b) Apply water once each hour; or
(c) Stop all vehicular traffic.

RULE 403 IMPLEMENTATION HANDBOOK

Source: (3) Storage Piles

CONTROL MEASURES

DESCRIPTION

- | | |
|--|--|
| (L) Wind sheltering | (1) Enclose in silos.
(2) Install three-sided barriers equal to height of material, with no more than 50 percent porosity. |
| (M) Watering | (1) Application methods include: spray bars, hoses and water trucks.
(2) Frequency of application will vary on site-specific conditions. |
| (N) Chemical stabilizers | (1) Best for use on storage piles subject to infrequent disturbances. |
| (O) Altering load-in/load-out procedures | (1) Confine load-in/load-out procedures to leeward (downwind) side of the material.
Must be used in conjunction with either measure (L), (M), (N), or (P). |
| (P) Coverings | (1) Tarps, plastic, or other material can be used as a temporary covering.
(2) When used, these should be anchored to prevent wind from removing coverings. |

HIGH WIND MEASURE

- (a) Apply chemical stabilizers (to meet the specifications established by the Rule) prior to wind events; or
(b) Apply water once per hour; or
(c) Install temporary covers.

RULE 403 IMPLEMENTATION HANDBOOK

Source:	(4)	Paved Road Track-Out	
<u>CONTROL MEASURES</u>		<u>DESCRIPTION</u>	
Compliance with District Rule 403.		Paragraph (d)(5).	

January 1999

RULE 403 IMPLEMENTATION HANDBOOK

Source: (5) Disturbed Surface Areas/Inactive Construction Sites

CONTROL MEASURESDESCRIPTION

- (Q) Chemical stabilization
- (1) Most effective when used on areas where active operations have ceased.
 - (2) Vendors can supply information on methods for application and required concentrations.
- (R) Watering
- (1) Requires frequent applications unless a surface crust can be developed.
- (S) Wind fencing
- (1) Three- to five-foot barriers with 50% or less porosity adjacent to roadways or urban areas can be effective in reducing the amount of wind blown material leaving a site. Must be used in conjunction with either measure (Q), (R), or (T).
- (T) Vegetation
- (1) Establish as quickly as possible when active operations have ceased.*

HIGH WIND MEASURES

- (a) Apply chemical stabilizers (to meet the specifications established by the Rule); or
- (b) Apply water to all disturbed surface areas 3 times per day.

* Use of drought tolerant, native vegetation is encouraged.

TABLE 1
BEST [REASONABLY]* AVAILABLE CONTROL MEASURES FOR HIGH WIND CONDITIONS

FUGITIVE DUST SOURCE CATEGORY	<u>CONTROL MEASURES</u>
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 [once] per hour during active operation; OR (3C) Stop all vehicular traffic.
Open storage piles	(1D) Apply water twice [once] 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 1 may be used.

* Measures in [brackets] are reasonably available control measures and only apply to sources not within the South Coast Air Basin.

TABLE 2
DUST CONTROL ACTIONS FOR EXEMPTION FROM PARAGRAPH (d)(4)*

<u>FUGITIVE DUST SOURCE CATEGORY</u>	<u>CONTROL ACTIONS</u>
Earth-moving (except construction cutting and filling areas, and mining operations)	<p>(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</p> <p>(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.</p>
Earth-moving: Construction fill areas:	<p>(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.</p>

* Measures in [brackets] are reasonably available control measures and only apply to sources not within the South Coast Air Basin.

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 [70] 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 [70] 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 [30] 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.

* Measures in [brackets] are reasonably available control measures and only apply to sources not within the South Coast Air Basin.

TABLE 2 (Continued)*

<u>FUGITIVE DUST SOURCE CATEGORY</u>	<u>CONTROL ACTIONS</u>
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 [70] 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.
<u>All Categories</u>	(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.

* Measures in [brackets] are reasonably available control measures and only apply to sources not within the South Coast Air Basin.

AQMD Recommendations

TABLE 3

TRACK-OUT CONTROL OPTIONS

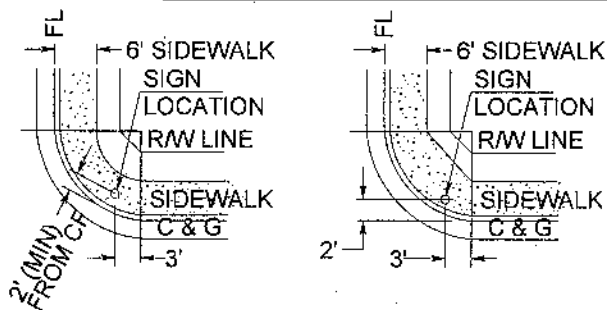
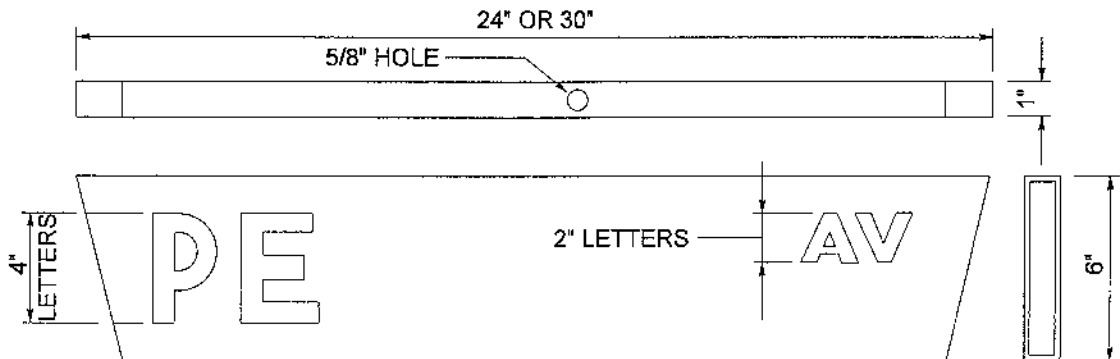
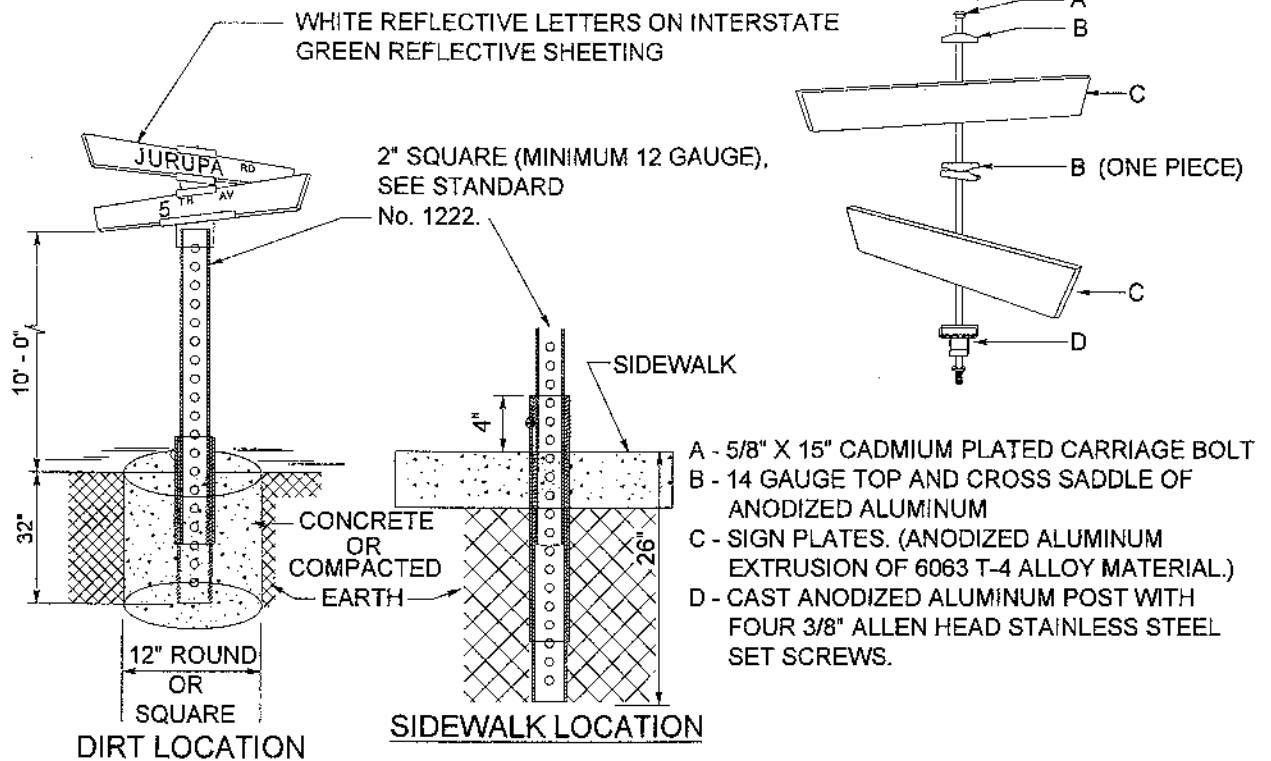
PARAGRAPH (d)(5)(B)

CONTROL OPTIONS

(1)	Pave or apply chemical stabilization at sufficient concentration and frequency to maintain a stabilized surface starting from the point of intersection with the public paved surface, and extending for a centerline distance of at least 100 feet and a width of at least 20 feet.
(2)	Pave from the point of intersection with the public paved road surface, and extending for a centerline distance of at least 25 feet and a width of at least 20 feet, and install a track-out control device immediately adjacent to the paved surface such that exiting vehicles do not travel on any unpaved road surface after passing through the track-out control device.
(3)	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.

Appendix B

Reference Drawings



INSIDE OF KNUCKLE INTERSECTION SIGN INSTALLATION DETAILS

NOTE:

ONE COMPLETE NAME SIGN UNIT IS REQUIRED
AT EACH INTERSECTION WHEN PAVED WIDTHS
OR CURBED WIDTHS OF ALL INTERSECTING
STREETS ARE 40 FEET OR LESS. AT INTER-
SECTIONS WITH AN ULTIMATE PAVED WIDTH
OR CURBED WIDTH GREATER THAN 40 FEET,
USE STANDARD 1220. STD 1221 IS INTENDED
FOR RESIDENTIAL STREETS WITHIN A TRACT.
OTHER TYPES OF INTERSECTIONS, USE
STD 1220.

APPROVED BY:

DIRECTOR OF TRANSPORTATION
JUAN C. PEREZ, RCE 49568

DATE



COUNTY OF RIVERSIDE

STREET NAME SIGN

(CURB TO CURB WIDTH LESS
THAN OR EQUAL TO 40')

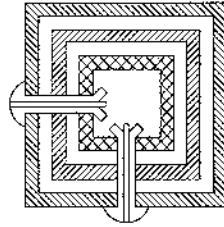
STANDARD No. 1221

REVISIONS	REV.	BY:	APR'D	DATE	REV.	BY:	APR'D	DATE
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	2				5			
	3				6			

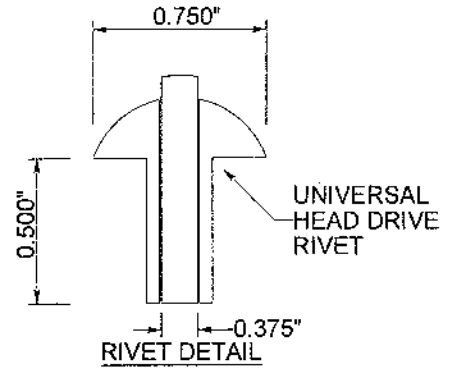
RIVET LOCATIONS
SEE NOTE 6 ON
SHEET 2 OF 2

DIRECTION OF
TRAFFIC FLOW

STREET SIDE
OF POST



SECTION "A-A"



RIVET DETAIL

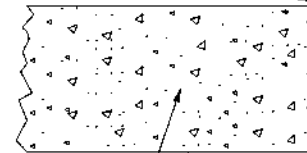
2"x2"x10', SIGN POST
OR 2"x2"x12'
OR 2"x2"x14'
(12 GAUGE)

CORE DRILL
CONCRETE

A

A

TYPICAL INSTALLATION
THROUGH CORED CONCRETE



2-1/2"x2-1/2"x18"
PERFORATED SLEEVE
(12 GAUGE)

ANCHOR 4"
ABOVE
GROUND

6" MIN
SIGN POST

TYPICAL
INSTALLATION
THROUGH
DIRT

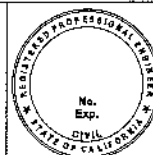
30" ANCHOR (WHEN THROUGH CONCRETE)
36" ANCHOR (WHEN THROUGH DIRT)

2-1/4"x2-1/4"x30", ANCHOR
OR 2-1/4"x2-1/4"x36"
(12 GAUGE)

APPROVED BY:

DIRECTOR OF TRANSPORTATION
JUAN C. PEREZ, RCE 49568

DATE



COUNTY OF RIVERSIDE

SIGN POST INSTALLATION

STANDARD No. 1222 (1 of 2)

REVISIONS	REV.	BY:	APR'D	DATE	REV.	BY:	APR'D	DATE
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	2				5			
	3				6			

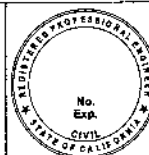
NOTES:

1. SQUARE PERFORATED STEEL TUBE POST WITH TWO PIECE ANCHOR AND SLEEVE, "TELESPAR", SHALL BE USED FOR ALL TRAFFIC CONTROL AND INFORMATIONAL SIGNS WITHIN ROAD RIGHT-OF-WAY.
2. THE NUMBER OF POSTS REQUIRED FOR SIGN INSTALLATION SHALL BE DETERMINED BY THE AREA OF THE SIGN OR COMBINATION OF SIGNS TO BE INSTALLED. A SINGLE POST SHALL BE USED WHERE BOTH THE LENGTH AND WIDTH ARE 48" OR LESS. DOUBLE POSTS SHALL BE USED WHERE EITHER THE LENGTH OR WIDTH EXCEEDS 48".
3. THE 2 PIECE ANCHOR AND SLEEVE ASSEMBLY SHALL CONSIST OF A 2 1/4" SQUARE BY 30" (THROUGH SIDEWALK) OR 36" (THROUGH SOIL) ANCHOR WITH A 2 1/2" SQUARE BY 18" SLEEVE. ALL SLEEVES AND ANCHORS SHALL BE 12 GAUGE.
4. THE ANCHOR AND SLEEVE ASSEMBLIES SHALL BE DRIVEN SIMULTANEOUSLY UNTIL ONLY 4" REMAINS ABOVE GROUND LEVEL.
5. ALL DIRT SHALL BE REMOVED FROM THE INSIDE TOP 6" MINIMUM OF THE ANCHOR ASSEMBLY TO ALLOW FOR THE INSTALLATION OF THE SIGN POST.
6. INSTALL 2" SQUARE SIGN POST MINIMUM 6" INTO THE ANCHOR ASSEMBLY AND SECURE IN PLACE WITH TWO 3/8" DRIVE RIVETS AS SHOWN. THE RIVETS SHALL BE INSTALLED ON THE SIDE FACING TRAFFIC FLOW AND THE SIDE OF APPROACHING TRAFFIC AS SHOWN IN ORDER TO ACHIEVE THE MAXIMUM BREAK-AWAY EFFECT.
7. INSTALLATION ACCORDING TO THESE REQUIREMENTS IS ESSENTIAL TO MAINTAIN BREAK-AWAY CHARACTERISTICS OF THE POST SYSTEM.
8. SEE STANDARD No's. 815 AND 816 FOR PLACEMENT OF SIGN POST.
9. ALL ANCHOR ASSEMBLIES SHALL BE CORE DRILLED THROUGH CONCRETE AND ASPHALT.
10. ALL SIGNS ATTACHED TO PERFORATED POSTS SHALL HAVE ZINC COATED OR S.S. WASHERS BEHIND THE RIVET THAT ARE LARGER THAN THE HEAD OF THE RIVET.
11. ALL REGULATORY, WARNING AND GUIDE SIGNS INSTALLED SHALL BE 0.080 INCHES IN THICKNESS.
12. ALL SIGNS 36" OR LARGER SHALL BE INSTALLED WITH BACK BRACES SPECIFICALLY DESIGNED FOR 2" SQUARE PERFORATED POSTS. (2" RISE)
13. IN SOME INSTANCES CONCRETE FOUNDATION MAY BE REQUIRED TO ENSURE PROPER STABILITY, THIS OPTION IS TO BE USED AT THE DISCRETION OF THE ENGINEER OR ONSITE INSPECTOR.

APPROVED BY:

DIRECTOR OF TRANSPORTATION
JUAN C. PEREZ, RCE 49568

DATE



COUNTY OF RIVERSIDE

SIGN POST INSTALLATION NOTES

REVISIONS		REV.	BY:	APR'D	DATE	REV.	BY:	APR'D	DATE
		1	JK	JP	08-05-10	4			
		2				5			
		3				6			

STANDARD No. 1222 (2 of 2)



R6-1L



R6-1R

Appendix C

Paving Locations

South Coast Air Quality Management District

AB 1318 Sentinel Mitigation Fees Fund

Air Quality Emission Reduction Project

Coachella Valley Mobile Home Park Paving Project

PAVING LOCATIONS

Phase 2

SCAQMD Contract No. 13442

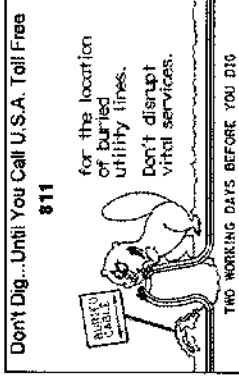
County of Riverside Project No. C4-0053

Contents

Page Description

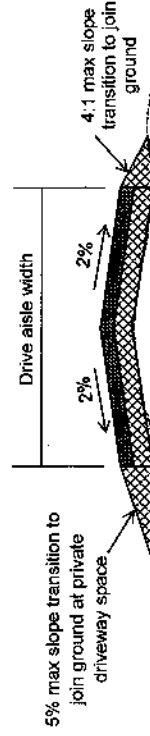
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2	Contents, Detail, Dig Alert	15	Paving Location #34
3	Index Map	16	Paving Location #35
4	Paving Location #1	17	Paving Location #37
5-6	Paving Location #14A, #14B	18	Paving Location #38
7-8	Paving Location #19A, #19B	19	Paving Location #39
9	Paving Location #23	20	Paving Location #40
10	Paving Location #26	21	Paving Location #41
11	Paving Location #32		

Dig Alert



Locations of any utilities shown on the exhibits are approximate and based on available records. Existing locations of buried electrical, telephone, cable tv, gas, drain lines, water services and sewer services are unknown and should be considered present on the site at potentially very shallow locations. Contractor shall protect existing utilities in place.

Detail



NOTICE: This project was made possible by a grant from the South Coast Air Quality Management District (SCAQMD) AB 1318 Mitigation Fees fund to reduce or mitigate emissions within Coachella Valley. This report was prepared as a result of work paid for, in whole or in part, by a grant from the SCAQMD. The opinions, findings, conclusions, and recommendations are those of the author and do not necessarily represent the views of SCAQMD. SCAQMD, its officers, employees, contractors, and subcontractors make no warranty, expressed or implied, and assume no legal liability for the information in this report. SCAQMD has not approved or disapproved this report, nor has SCAQMD passed upon the accuracy or adequacy of the information contained herein.

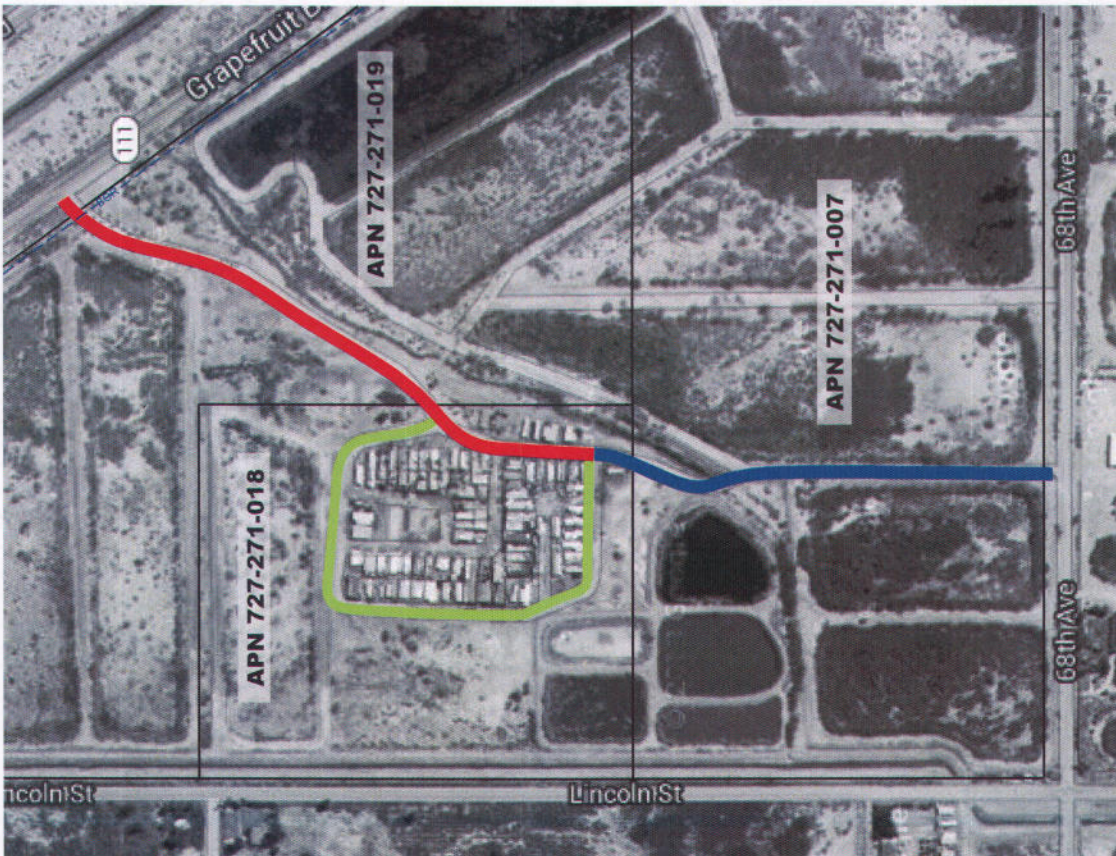


Coachella Valley Mobile Home Parks

Mobile Home Parks



Disclaimer: Maps and data are to be used for reference purposes only. Map information is not intended to be used for navigation or other purposes. The accuracy of the information is not guaranteed. The information is provided as is, without warranty. The user assumes all responsibility for the use of the information. The information is provided for informational purposes only and is not intended to be used for navigation or other purposes. The user assumes all responsibility for the use of the information.



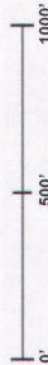
NOTE: AERIAL IMAGE FEATURES ARE APPROXIMATE AND MAY NOT REFLECT ACTUAL FIELD CONDITIONS. LINE-WORK DOES NOT REPRESENT ACTUAL PROPERTY LINES.

NOTE: LOCATIONS OF ANY UTILITIES SHOWN ON THE EXHIBITS ARE APPROXIMATE AND BASED ON AVAILABLE RECORD. EXISTING LOCATIONS OF BURIED ELECTRICAL, GAS, CABLE, TV, DRAIN TILES, TELEPHONE, WATER SERVICES AND SEWER SERVICES ARE UNKNOWN AND SHOULD BE CONSIDERED PRESENT ON THE SITE AT POTENTIALLY VERY SHALLOW LOCATIONS. CONTRACTOR SHALL PROTECT EXISTING UTILITIES IN PLACE.

- 26' NORTH OFFSITE ROAD TO STATE HWY 111
- 26' SOUTH OFFSITE ROAD TO 68th AVENUE
- 16' ONSITE PERIMETER ROAD

USBOR IRRIGATION LINE

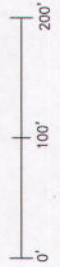
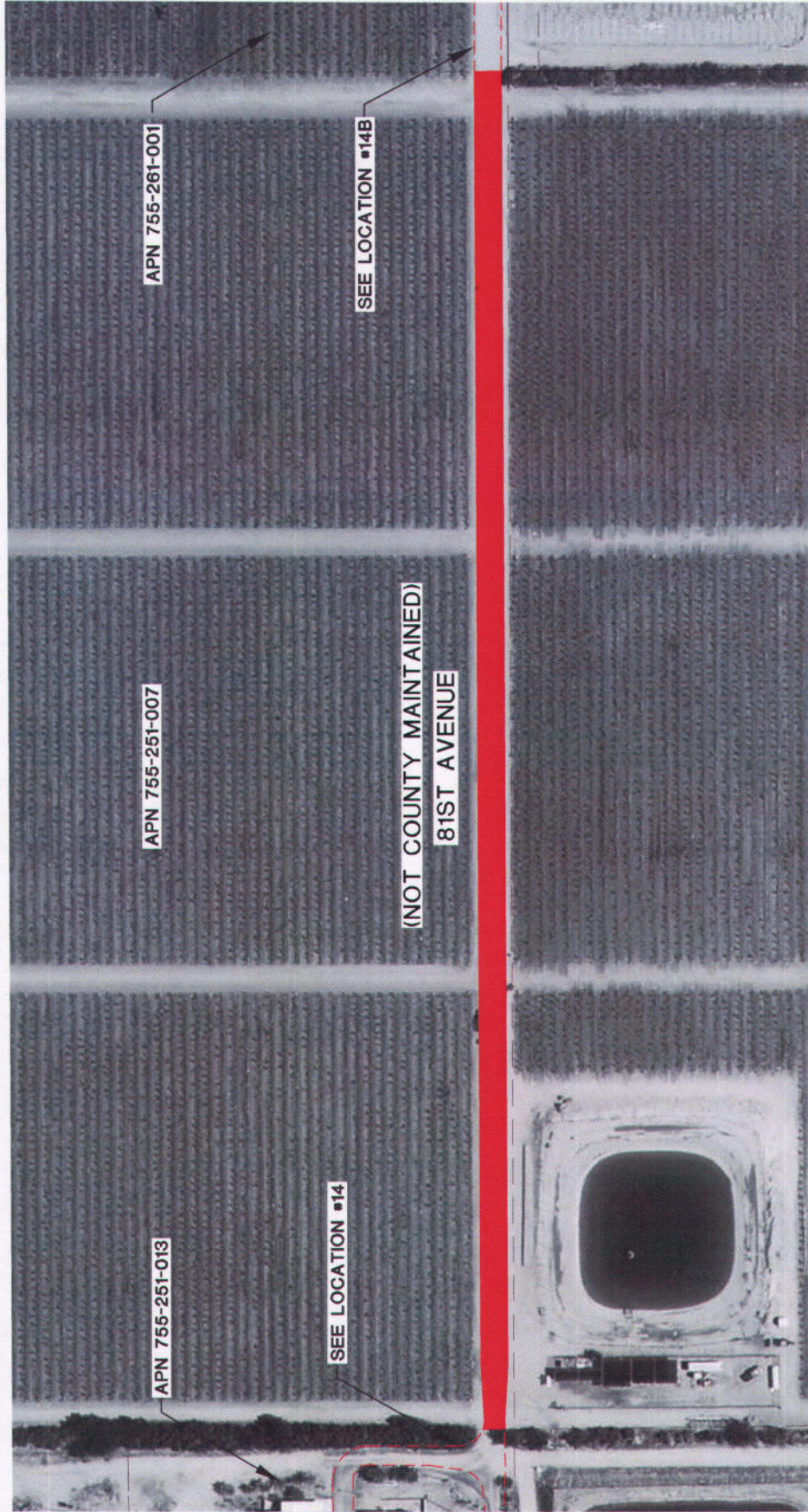
SEE SUPPLEMENTAL PLANS FOR LOCATION #1



LOCATION #1
ST. ANTHONY'S
MOBILE HOME PARK
 PUEBLO UNIDO
 APN 727-271-018
 MULTI NATIONAL INVESTMENTS
 APN 727-271-007, 727-271-019

NOTE: AERIAL IMAGE FEATURES ARE APPROXIMATE AND MAY NOT REFLECT ACTUAL FIELD CONDITIONS. LINE-WORK DOES NOT REPRESENT ACTUAL PROPERTY LINES.

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26' DRIVE AISLE

LOCATION #14A
SUN WORLD INTERNATIONAL
THERMAL CA
APN 755-251-007

NOTE: LOCATIONS OF ANY UTILITIES SHOWN ON THE EXHIBITS ARE APPROXIMATE AND BASED ON AVAILABLE RECORD. EXISTING LOCATIONS OF BURIED ELECTRICAL, GAS, CABLE TV, DRAIN TILES, TELEPHONE, WATER SERVICES AND SEWER SERVICES ARE UNKNOWN AND SHOULD BE CONSIDERED PRESENT ON THE SITE AT POTENTIALLY VERY SHALLOW LOCATIONS. CONTRACTOR SHALL PROTECT EXISTING UTILITIES IN PLACE.

NOTE: AERIAL IMAGE FEATURES ARE APPROXIMATE AND MAY NOT REFLECT ACTUAL FIELD CONDITIONS. LINE-WORK DOES NOT REPRESENT ACTUAL PROPERTY LINES.



0' 100' 200'

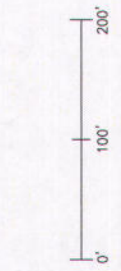
26' DRIVE AISLE

LOCATION #14B
SUN WORLD INTERNATIONAL
THERMAL, CA
APN 755-270-020



NOTE: LOCATIONS OF ANY UTILITIES SHOWN ON THE EXHIBITS ARE APPROXIMATE AND BASED ON AVAILABLE RECORD. EXISTING LOCATIONS OF BURIED ELECTRICAL, GAS, CABLE TV, DRAIN TILES, TELEPHONE, WATER SERVICES AND SEWER SERVICES ARE UNKNOWN AND SHOULD BE CONSIDERED PRESENT ON THE SITE AT POTENTIALLY VERY SHALLOW LOCATIONS. CONTRACTOR SHALL PROTECT EXISTING UTILITIES IN PLACE.

20' WIDE DRIVEWAY
18' WIDE DRIVEWAY

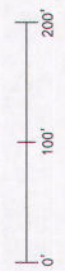


LOCATION #19A
PEREZ
MECCA, CA
APN 727-091-007



NOTE: AERIAL IMAGE FEATURES ARE APPROXIMATE AND MAY NOT REFLECT ACTUAL FIELD CONDITIONS. LINE-WORK DOES NOT REPRESENT ACTUAL PROPERTY LINES.

NOTE: LOCATIONS OF ANY UTILITIES SHOWN ON THE EXHIBITS ARE APPROXIMATE AND BASED ON AVAILABLE RECORD. EXISTING LOCATIONS OF BURIED ELECTRICAL, GAS, CABLE TV, DRAIN TILES, TELEPHONE, WATER SERVICES AND SEWER SERVICES ARE UNKNOWN AND SHOULD BE CONSIDERED PRESENT ON THE SITE AT POTENTIALLY VERY SHALLOW LOCATIONS. CONTRACTOR SHALL PROTECT EXISTING UTILITIES IN PLACE.

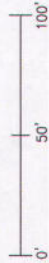


20' WIDE DRIVEWAY
18' WIDE DRIVEWAY

LOCATION #19B
ZEPEDA
MECCA CA
APN 727-091-008



NOTE: LOCATIONS OF ANY UTILITIES SHOWN ON THE EXHIBITS ARE APPROXIMATE AND BASED ON AVAILABLE RECORD. EXISTING LOCATIONS OF BURIED ELECTRICAL, GAS, CABLE TV, DRAIN TILES, TELEPHONE, WATER SERVICES AND SEWER SERVICES ARE UNKNOWN AND SHOULD BE CONSIDERED PRESENT ON THE SITE AT POTENTIALLY VERY SHALLOW LOCATIONS. CONTRACTOR SHALL PROTECT EXISTING UTILITIES IN PLACE.



20' DRIVE AISLE



CWD DRAIN LINE



LOCATION #23

HUERTA

67959 LINCOLN ST., THERMAL CA
APN 727-260-016

PAGE 9 OF 21 PAGES

68TH AVENUE

LINCOLN STREET



APN 749-140-018

APN 749-140-007

PIERCE STREET

NOTE: AERIAL IMAGE FEATURES ARE APPROXIMATE AND MAY NOT REFLECT ACTUAL FIELD CONDITIONS. LINE-WORK DOES NOT REPRESENT ACTUAL PROPERTY LINES.

NOTE: LOCATIONS OF ANY UTILITIES SHOWN ON THE EXHIBITS ARE APPROXIMATE AND BASED ON AVAILABLE RECORD. EXISTING LOCATIONS OF BURIED ELECTRICAL, GAS, CABLE TV, DRAIN TILES, TELEPHONE, WATER SERVICES AND SEWER SERVICES ARE UNKNOWN AND SHOULD BE CONSIDERED PRESENT ON THE SITE AT POTENTIALLY VERY SHALLOW LOCATIONS. CONTRACTOR SHALL PROTECT EXISTING UTILITIES IN PLACE.



0' 100' 200'

20' DRIVE AISLE



18' DRIVE AISLE



LOCATION #26

BARAJAS
69751 PIERCE ST., THERMAL CA
APN 749-140-006

70TH AVENUE

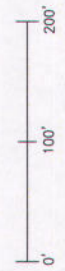
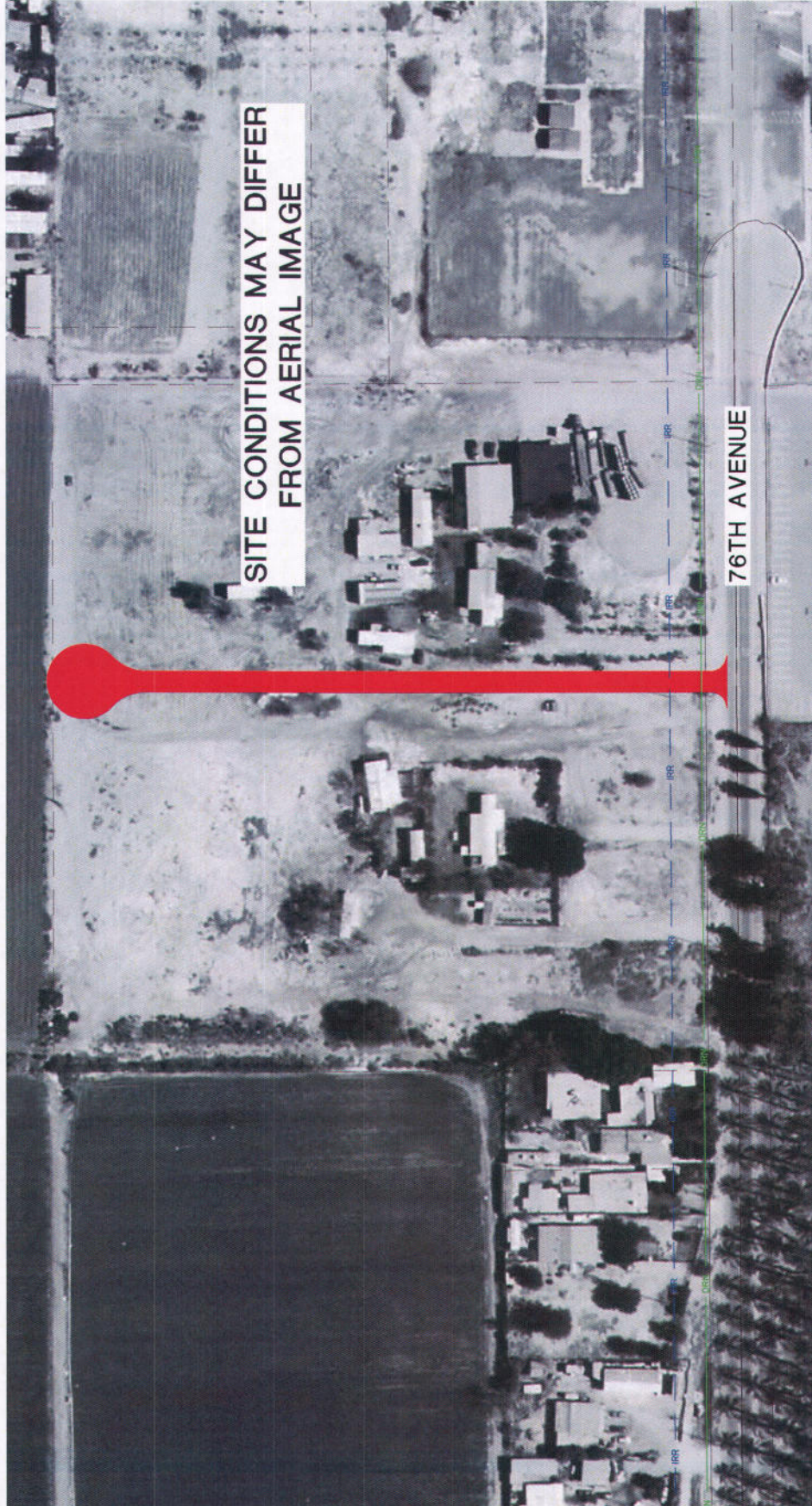
PAGE 10 OF 21 PAGES

02/26/2014

NOTE: AERIAL IMAGE FEATURES ARE APPROXIMATE AND MAY NOT REFLECT ACTUAL FIELD CONDITIONS. LINE-WORK DOES NOT REPRESENT ACTUAL PROPERTY LINES.

NOTE: LOCATIONS OF ANY UTILITIES SHOWN ON THE EXHIBITS ARE APPROXIMATE AND BASED ON AVAILABLE RECORD. EXISTING LOCATIONS OF BURIED ELECTRICAL, GAS, CABLE TV, DRAIN TILES, TELEPHONE, WATER SERVICES AND SEWER SERVICES ARE UNKNOWN AND SHOULD BE CONSIDERED PRESENT ON THE SITE AT POTENTIALLY VERY SHALLOW LOCATIONS. CONTRACTOR SHALL PROTECT EXISTING UTILITIES IN PLACE.

SITE CONDITIONS MAY DIFFER FROM AERIAL IMAGE



- USBOR IRRIGATION LINE
- 20' WIDE DRIVEWAY
- CWMD DRAIN LINE

LOCATION #32
RODRIGUEZ, RUIZ
88676 AVENUE 76, THERMAL CA
APN 755-150-021

NOTE: AERIAL IMAGE FEATURES ARE APPROXIMATE AND MAY NOT REFLECT ACTUAL FIELD CONDITIONS. LINE-WORK DOES NOT REPRESENT ACTUAL PROPERTY LINES.

NOTE: LOCATIONS OF ANY UTILITIES SHOWN ON THE EXHIBITS ARE APPROXIMATE AND BASED ON AVAILABLE RECORD. EXISTING LOCATIONS OF BURIED ELECTRICAL, GAS, CABLE TV, DRAIN TILES, TELEPHONE, WATER SERVICES AND SEWER SERVICES ARE UNKNOWN AND SHOULD BE CONSIDERED PRESENT ON THE SITE AT POTENTIALLY VERY SHALLOW LOCATIONS. CONTRACTOR SHALL PROTECT EXISTING UTILITIES IN PLACE.

MONROE STREET



18' DRIVE AISLE

20' DRIVE AISLE

CWD DRAIN LINE

N

0' 50' 100'

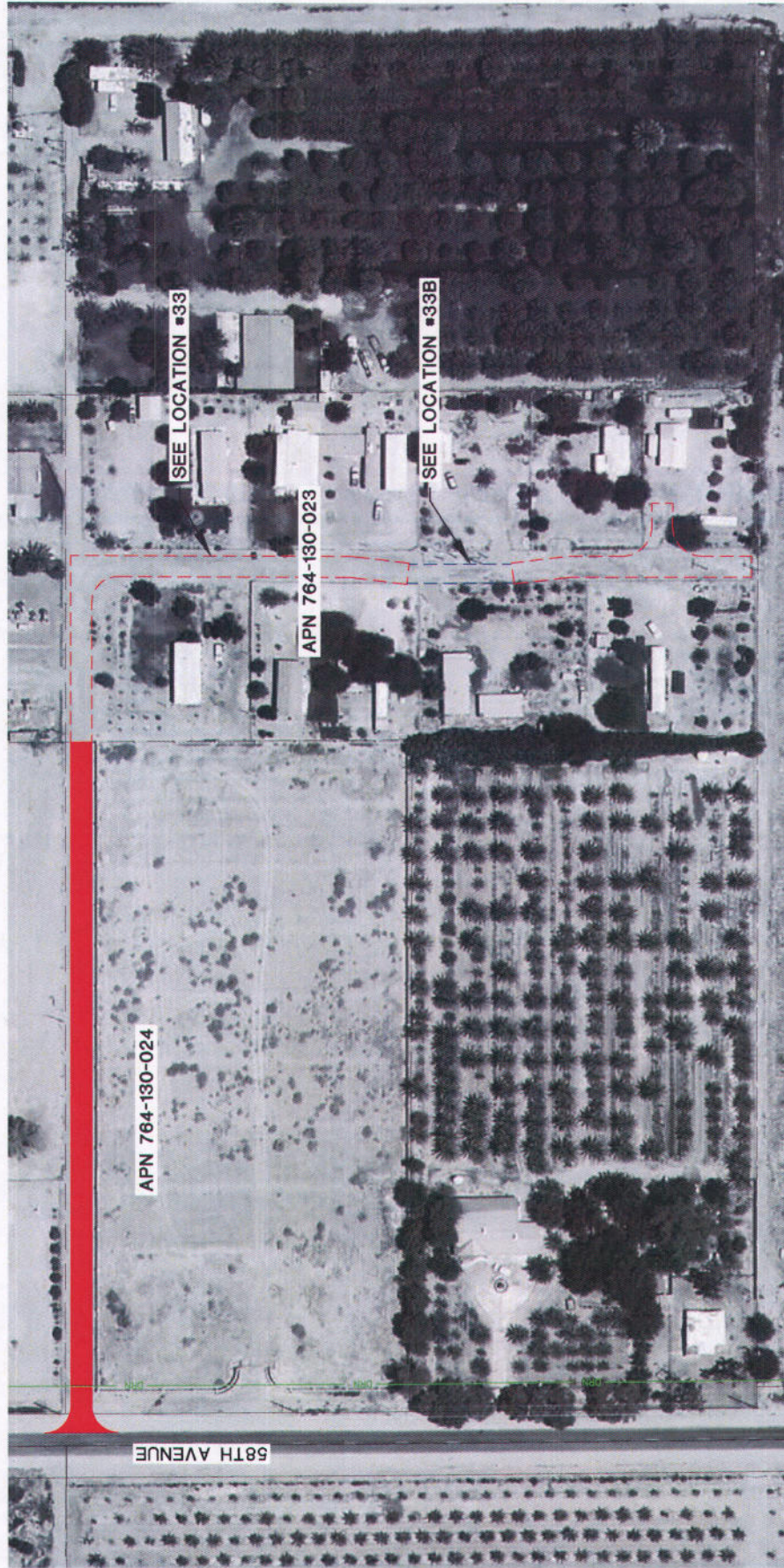
LOCATION #33

TRUJILLO, GARCIA
82350 AVENUE 58TH, THERMAL CA
APN 764-130-023

NOTE: AERIAL IMAGE FEATURES ARE APPROXIMATE AND MAY NOT REFLECT ACTUAL FIELD CONDITIONS. LINE-WORK DOES NOT REPRESENT ACTUAL PROPERTY LINES.

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MONROE STREET



LOCATION #33A
ABARCA
THERMAL, CA
APN 764-130-024

CWWD DRAIN LINE

20' WIDE DRIVEWAY

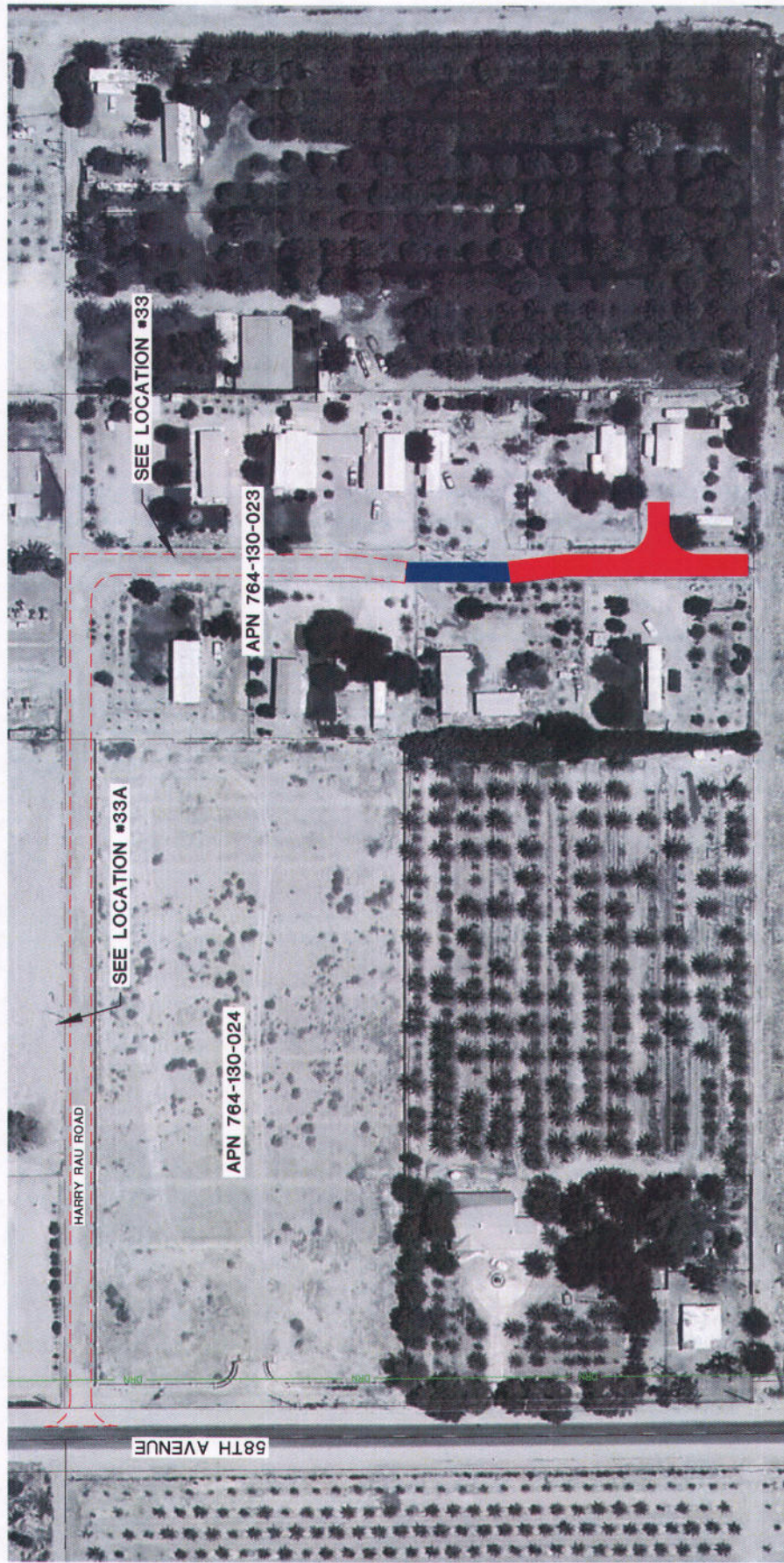
0' 50' 100'

N

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NOTE: LOCATIONS OF ANY UTILITIES SHOWN ON THE EXHIBITS ARE APPROXIMATE AND BASED ON AVAILABLE RECORD. EXISTING LOCATIONS OF BURIED ELECTRICAL, GAS, CABLE TV, DRAIN TILES, TELEPHONE, WATER SERVICES AND SEWER SERVICES ARE UNKNOWN AND SHOULD BE CONSIDERED PRESENT ON THE SITE AT POTENTIALLY VERY SHALLOW LOCATIONS. CONTRACTOR SHALL PROTECT EXISTING UTILITIES IN PLACE.

MONROE STREET



20' WIDE DRIVEWAY

18' DRIVE AISLE

0' 50' 100'

N

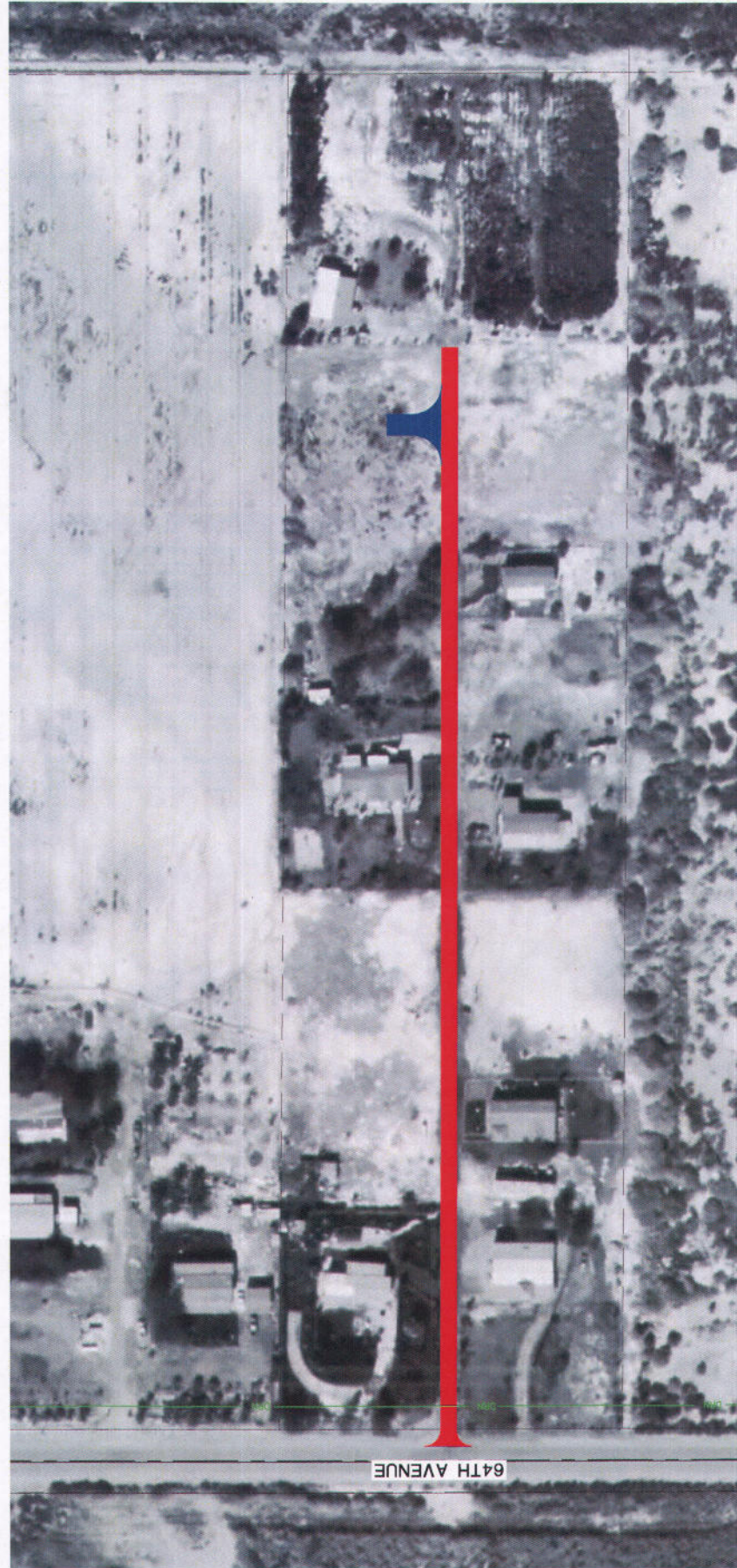
LOCATION #33B
TRUJILLO, GARCIA
THERMAL CA
APN 764-130-023

CVWD DRAIN LINE

PIERCE STREET

NOTE: LOCATIONS OF ANY UTILITIES SHOWN ON THE EXHIBITS ARE APPROXIMATE AND BASED ON AVAILABLE RECORD. EXISTING LOCATIONS OF BURIED ELECTRICAL, GAS, CABLE TV, DRAIN TILES, TELEPHONE, WATER SERVICES AND SEWER SERVICES ARE UNKNOWN AND SHOULD BE CONSIDERED PRESENT ON THE SITE AT POTENTIALLY VERY SHALLOW LOCATIONS. CONTRACTOR SHALL PROTECT EXISTING UTILITIES IN PLACE.

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15' DRIVE AISLE
20' DRIVE AISLE

CVWD DRAIN LINE

LOCATION #34

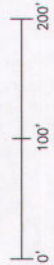
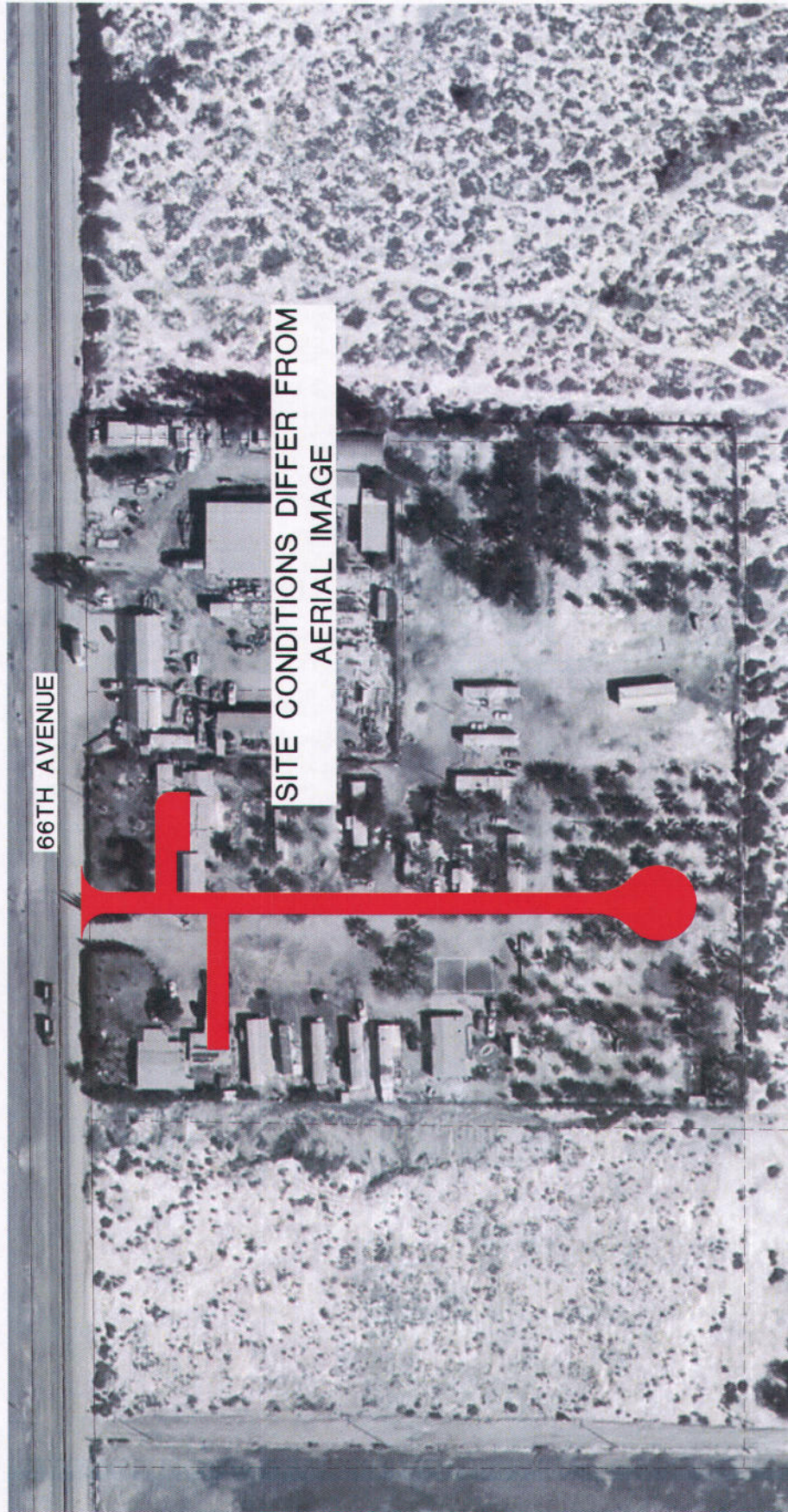
CERVERA, MORA
89860 AVENUE 64TH, THERMAL CA
APN 749-060-021

0' 100' 200'

N

NOTE: AERIAL IMAGE FEATURES ARE APPROXIMATE AND MAY NOT REFLECT ACTUAL FIELD CONDITIONS. LINE-WORK DOES NOT REPRESENT ACTUAL PROPERTY LINES.

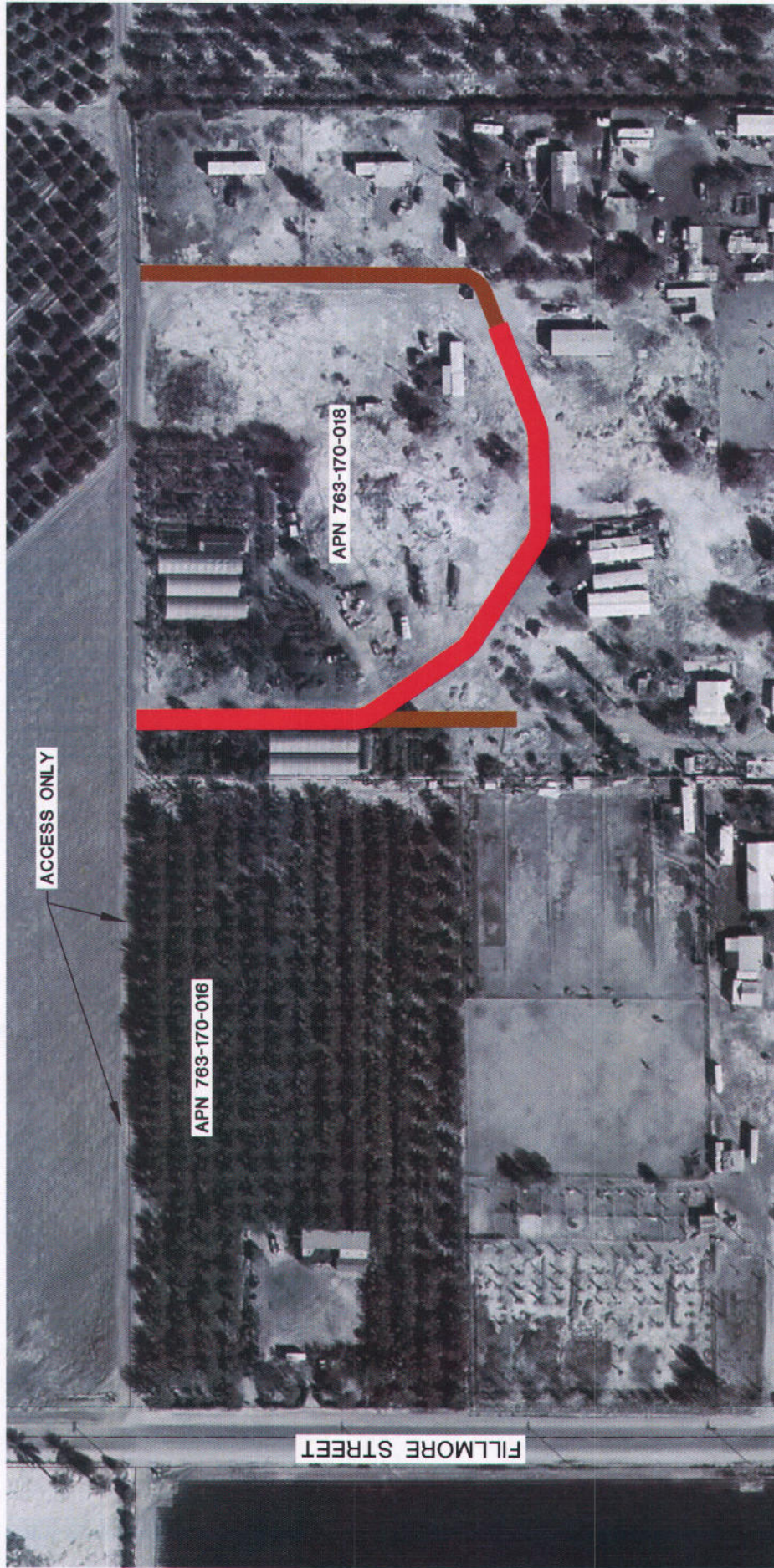
NOTE: LOCATIONS OF ANY UTILITIES SHOWN ON THE EXHIBITS ARE APPROXIMATE AND BASED ON AVAILABLE RECORD. EXISTING LOCATIONS OF BURIED ELECTRICAL, GAS, CABLE TV, DRAIN TILES, TELEPHONE, WATER SERVICES AND SEWER SERVICES ARE UNKNOWN AND SHOULD BE CONSIDERED PRESENT ON THE SITE AT POTENTIALLY VERY SHALLOW LOCATIONS. CONTRACTOR SHALL PROTECT EXISTING UTILITIES IN PLACE.



20' DRIVE AISLE

LOCATION #35

GARCIA
88455 AVENUE 66TH, THERMAL CA
APN 749-090-031



NOTE: AERIAL IMAGE FEATURES ARE APPROXIMATE AND MAY NOT REFLECT ACTUAL FIELD CONDITIONS. LINE-WORK DOES NOT REPRESENT ACTUAL PROPERTY LINES.

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PIERCE STREET

20' DRIVE AISLE
15' DRIVE AISLE

N

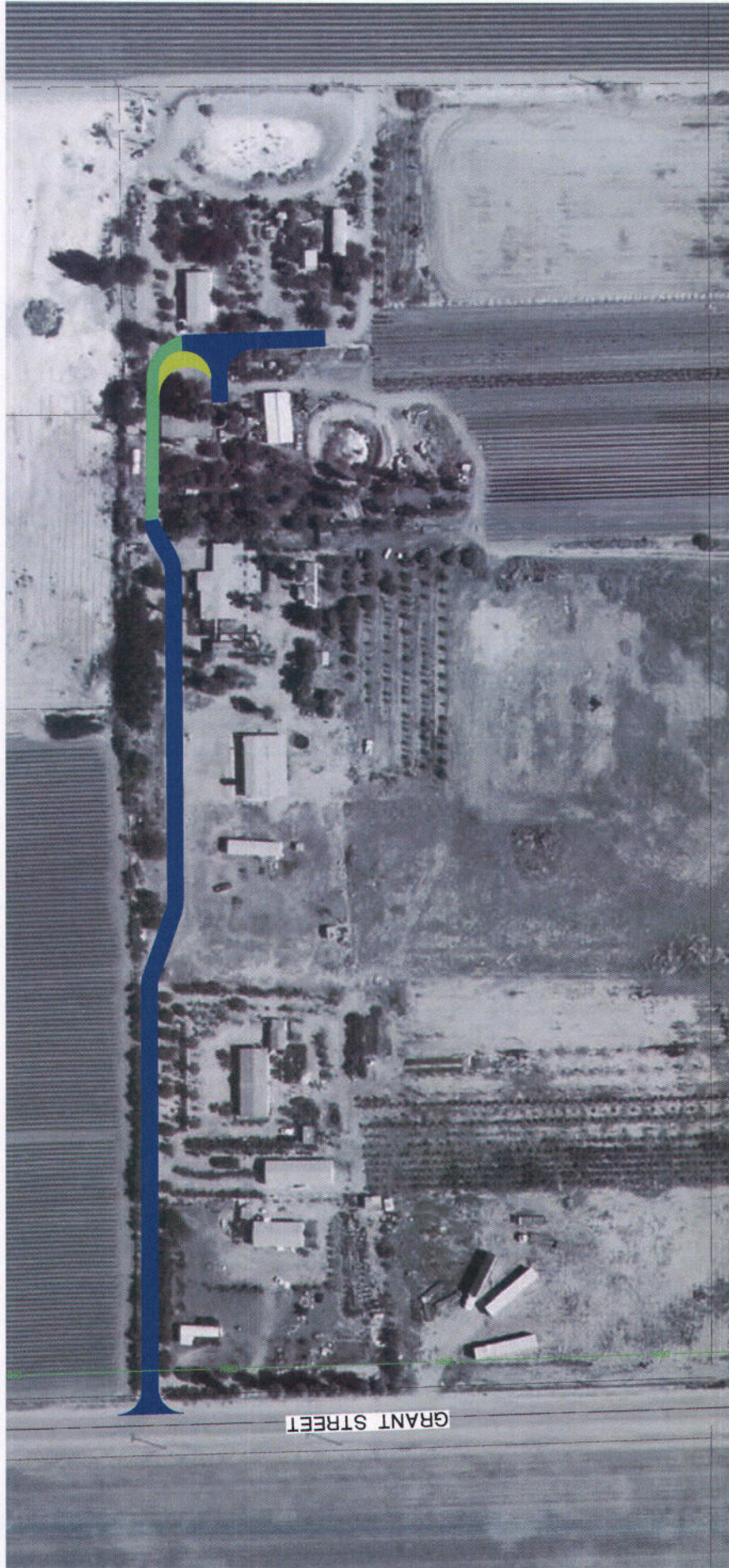
0' 80' 160'

LOCATION #37
CAMPOS & MOTTU
52742 FILLMORE AVENUE, THERMAL CA
APN 763-170-018-9

NOTE: LOCATIONS OF ANY UTILITIES SHOWN ON THE EXHIBITS ARE APPROXIMATE AND BASED ON AVAILABLE RECORD. EXISTING LOCATIONS OF BURIED ELECTRICAL, GAS, CABLE TV, DRAIN TILES, TELEPHONE, WATER SERVICES AND SEWER SERVICES ARE UNKNOWN AND SHOULD BE CONSIDERED PRESENT ON THE SITE AT POTENTIALLY VERY SHALLOW LOCATIONS. CONTRACTOR SHALL PROTECT EXISTING UTILITIES IN PLACE.

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HIGHWAY 111



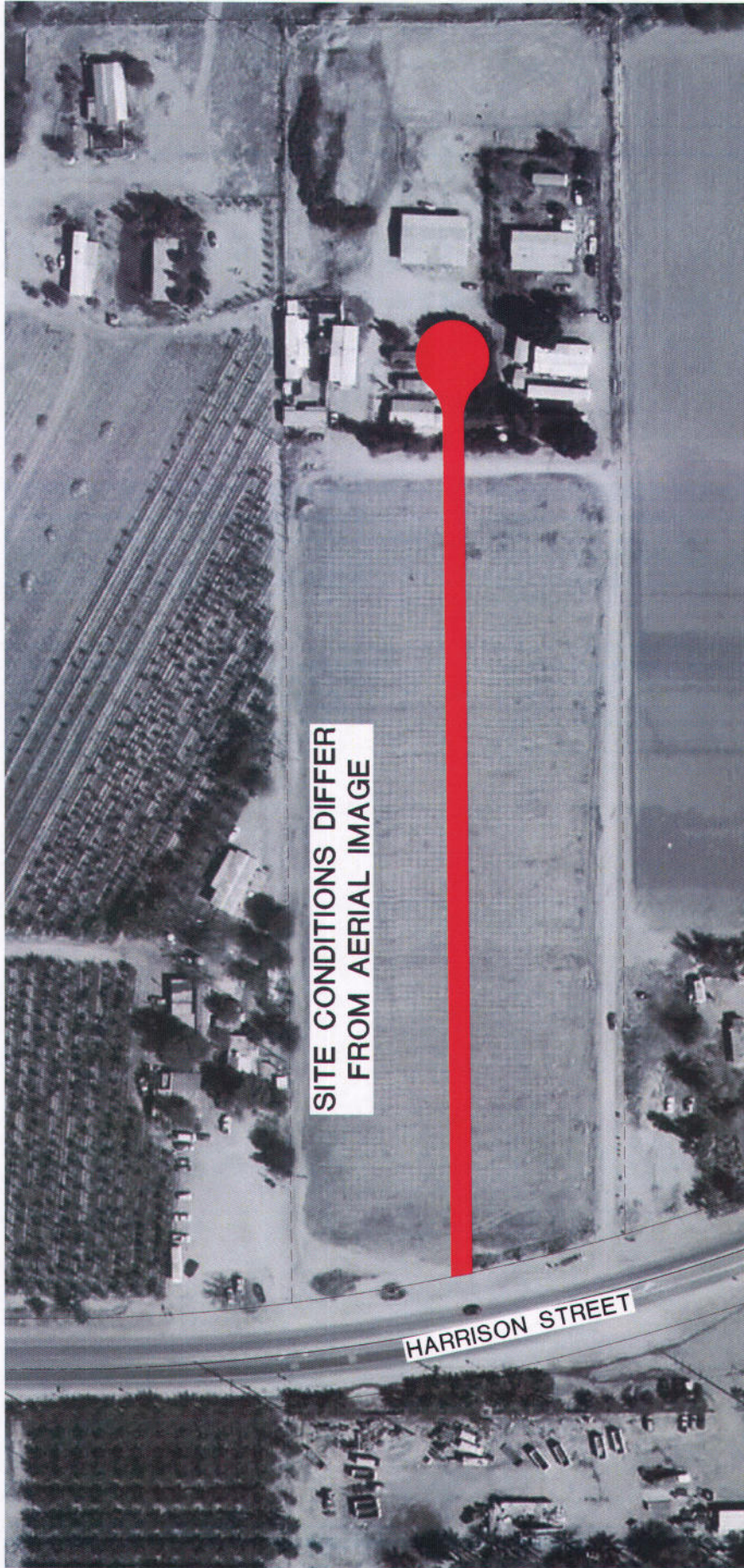
GRANT STREET

70TH AVE

- 16' DRIVE AISLE
- 12' DRIVE AISLE
- ADDITIONAL PAVING FOR TURNAROUND
- CWWD DRAIN LINE

LOCATION #38

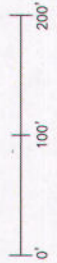
MARTINEZ
69780 GRANT ST., THERMAL CA
APN 729-070-011



SITE CONDITIONS DIFFER
FROM AERIAL IMAGE

HARRISON STREET

66TH AVENUE



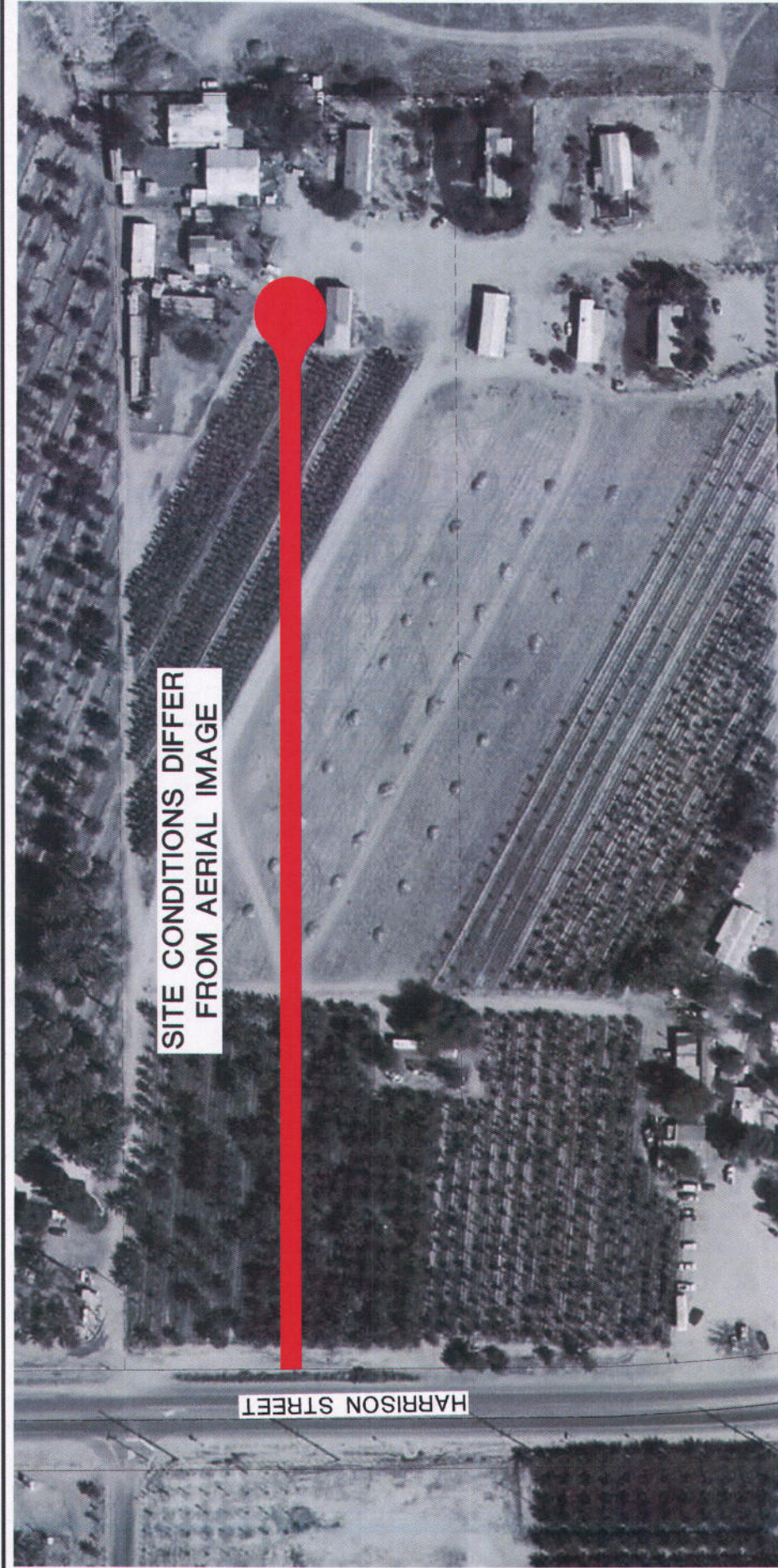
NOTE: LOCATIONS OF ANY UTILITIES SHOWN ON THE EXHIBITS ARE APPROXIMATE AND BASED ON AVAILABLE RECORD. EXISTING LOCATIONS OF BURIED ELECTRICAL, GAS, CABLE, TV, DRAIN TILES, TELEPHONE, WATER SERVICES AND SEWER SERVICES ARE UNKNOWN AND SHOULD BE CONSIDERED PRESENT ON THE SITE AT POTENTIALLY VERY SHALLOW LOCATIONS. CONTRACTOR SHALL PROTECT EXISTING UTILITIES IN PLACE.

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LOCATION #39

GARCIA
61101 HIGHWAY 86, THERMAL CA
APN 751-080-003

20' DRIVE AISLE



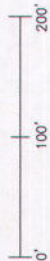
SITE CONDITIONS DIFFER
FROM AERIAL IMAGE

HARRISON STREET

66TH AVENUE

NOTE: LOCATIONS OF ANY UTILITIES SHOWN ON THE EXHIBITS ARE APPROXIMATE AND BASED ON AVAILABLE RECORD. EXISTING LOCATIONS OF BURIED ELECTRICAL, GAS, CABLE, TV, DRAIN TILES, TELEPHONE, WATER SERVICES AND SEWER SERVICES ARE UNKNOWN AND SHOULD BE CONSIDERED PRESENT ON THE SITE AT POTENTIALLY VERY SHALLOW LOCATIONS. CONTRACTOR SHALL PROTECT EXISTING UTILITIES IN PLACE.

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LOCATION #40

CASTRO
76250 HIGHWAY 86, THERMAL CA
APN 751-080-012

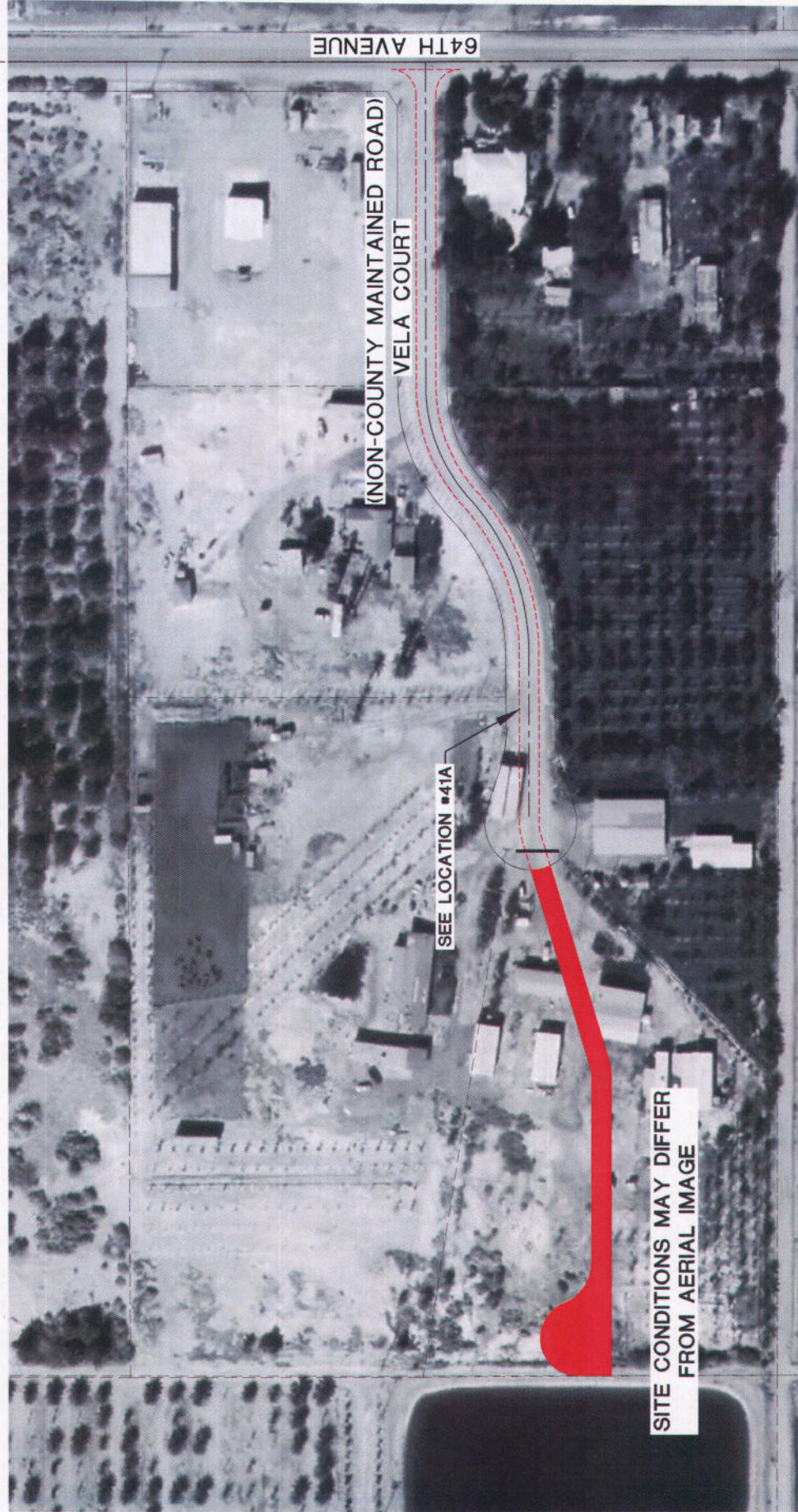
20' DRIVE AISLE



NOTE: AERIAL IMAGE FEATURES ARE APPROXIMATE AND MAY NOT REFLECT ACTUAL FIELD CONDITIONS. LINE-WORK DOES NOT REPRESENT ACTUAL PROPERTY LINES.

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PIERCE STREET



SITE CONDITIONS MAY DIFFER FROM AERIAL IMAGE

SEE LOCATION #41A

(NON-COUNTY MAINTAINED ROAD)

VELA COURT

64TH AVENUE

20' DRIVE AISLE



10" PIPE



0' 100' 200'

LOCATION #41

ESPINOZA
64270 VELA CT, THERMAL CA
APN 749-330-003

**Riverside County Board of Supervisors
Request to Speak**

6min

Submit request to Clerk of Board (right of podium),
Speakers are entitled to three (3) minutes, subject
to Board Rules listed on the reverse side of this form.

SPEAKER'S NAME: GARY GARRETT

Address: _____
(only if follow-up mail response requested)

City: _____ **Zip:** _____

Phone #: _____

Date: SEP 23 2014 **Agenda #** 3-66

PLEASE STATE YOUR POSITION BELOW:

Position on "Regular" (non-appealed) Agenda Item:

_____ **Support** ~~X~~ **Oppose** _____ **Neutral**

Note: If you are here for an agenda item that is filed
for "Appeal", please state separately your position on
the appeal below:

_____ **Support** _____ **Oppose** _____ **Neutral**

I give my 3 minutes to: _____

BOARD RULES

Requests to Address Board on "Agenda" Items:

You may request to be heard on a published agenda item. Requests to be heard must be submitted to the Clerk of the Board before the scheduled meeting time.

Requests to Address Board on items that are "NOT" on the Agenda:

Notwithstanding any other provisions of these rules, member of the public shall have the right to address the Board during the mid-morning "Oral Communications" segment of the published agenda. Said purpose for address must pertain to issues which are under the direct jurisdiction of the Board of Supervisors. YOUR TIME WILL BE LIMITED TO THREE (3) MINUTES.

Power Point Presentations/Printed Material:

Speakers who intend to conduct a formalized Power Point presentation or provide printed material must notify the Clerk of the Board's Office by 12 noon on the Monday preceding the Tuesday Board meeting, insuring that the Clerk's Office has sufficient copies of all printed materials and at least one (1) copy of the Power Point CD. Copies of printed material given to the Clerk (by Monday noon deadline) will be provided to each Supervisor. If you have the need to use the overhead "Elmo" projector at the Board meeting, please insure your material is clear and with proper contrast, notifying the Clerk well ahead of the meeting, of your intent to use the Elmo.

Individual Speaker Limits:

Individual speakers are limited to a maximum of three (3) minutes. Please step up to the podium when the Chairman calls your name and begin speaking immediately. Pull the microphone to your mouth so that the Board, audience, and audio recording system hear you clearly. Once you start speaking, the "green" podium light will light. The "yellow" light will come on when you have one (1) minute remaining. When you have 30 seconds remaining, the "yellow" light will begin flash, indicating you must quickly wrap up your comments. Your time is up when the "red" light flashes. The Chairman adheres to a strict three (3) minutes per speaker. ***Note: If you intend to give your time to a "Group/Organized Presentation", please state so clearly at the very bottom of the reverse side of this form.***

Group/Organized Presentations:

Group/organized presentations with more than one (1) speaker will be limited to nine (9) minutes at the Chairman's discretion. The organizer of the presentation will automatically receive the first three (3) minutes, with the remaining six (6) minutes relinquished by other speakers, as requested by them on a completed "Request to Speak" form, and clearly indicated at the front bottom of the form.

Addressing the Board & Acknowledgement by Chairman:

The Chairman will determine what order the speakers will address the Board, and will call on all speakers in pairs. The first speaker should immediately step to the podium and begin addressing the Board. The second speaker should take up a position in one of the chamber aisles in order to quickly step up to the podium after the preceding speaker. This is to afford an efficient and timely Board meeting, giving all attendees the opportunity to make their case. Speakers are prohibited from making personal attacks, and/or using coarse, crude, profane or vulgar language while speaking to the Board members, staff, the general public and/or meeting participants. Such behavior, at the discretion of the Board Chairman may result in removal from the Board Chambers by Sheriff Deputies.

**Riverside County Board of Supervisors
Request to Speak**

Submit request to Clerk of Board (right of podium),
Speakers are entitled to three (3) minutes, subject
to Board Rules listed on the reverse side of this form.

SPEAKER'S NAME: Paul Jacobs

Address: _____
(only if follow-up mail response requested)

City: _____ **Zip:** _____

Phone #: _____

Date: 9/23/14 **Agenda #** 3-66

PLEASE STATE YOUR POSITION BELOW:

Position on "Regular" (non-appealed) Agenda Item:

_____ **Support** _____ **Oppose** _____ **Neutral**

Note: If you are here for an agenda item that is filed
for "Appeal", please state separately your position on
the appeal below:

_____ **Support** _____ **Oppose** _____ **Neutral**

✓
I give my 3 minutes to: Garry Grant

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OFFICE OF
CLERK OF THE BOARD OF SUPERVISORS
1st FLOOR, COUNTY ADMINISTRATIVE CENTER
P.O. BOX 1147, 4080 LEMON STREET
RIVERSIDE, CA 92502-1147
PHONE: (951) 955-1060
FAX: (951) 955-1071

KECIA HARPER-IHEM
Clerk of the Board of Supervisors

KIMBERLY A. RECTOR
Assistant Clerk of the Board

September 26, 2014

THE PRESS ENTERPRISE
ATTN: LEGALS
PO BOX 792
RIVERSIDE, CA 92501

FAX (951) 368-9018
E-MAIL: legals@pe.com

RE: NOTICE INVITING BIDS: COACHELLA VALLEY MOBILE HOME PHASE 2

To Whom It May Concern:

Attached is a copy for publication in your newspaper for **TEN (10) TIMES:**

Wednesday	- October 1, 2014	Monday	- October 6, 2014
Thursday	- October 2, 2014	Tuesday	- October 7, 2014
Friday	- October 3, 2014	Wednesday	- October 8, 2014
Saturday	- October 4, 2014	Thursday	- October 9, 2014
Sunday	- October 5, 2014	Friday	- October 10, 2014

We require your affidavit of publication immediately upon completion of the last publication.

Your invoice must be submitted to this office, WITH TWO CLIPPINGS OF THE PUBLICATION.

NOTE: PLEASE COMPOSE THIS PUBLICATION INTO A SINGLE COLUMN FORMAT.

Thank you in advance for your assistance and expertise.

Sincerely,

Cecilia Gil

Board Assistant to:
KECIA HARPER-IHEM, CLERK OF THE BOARD

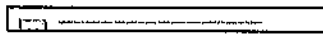
Gil, Cecilia

From: PEC Legals Master <legalsmaster@pe.com>
Sent: Friday, September 26, 2014 8:48 AM
To: Gil, Cecilia
Subject: Re: FOR PUBLICATION: Bids for Coachella Valley Mobile Home Phase 2

Received for publication from Oct. 1 - 10. Proof with cost to follow.

Thank You!

Legal Advertising



Phone: 1-800-880-0345 / Fax: 951-368-9018 / E-mail: legals@pe.com

Please Note NEW Deadlines (effective 06/14): Deadline is 10:30 AM, three (3) business days prior to the date you would like to publish.

****Additional days required for larger ad sizes****

From: Gil, Cecilia <CCGIL@rcbos.org>
Sent: Friday, September 26, 2014 8:32 AM
To: PEC Legals Master
Subject: FOR PUBLICATION: Bids for Coachella Valley Mobile Home Phase 2

Attached is a Notice Inviting Bids for publication from Oct. 1, 2014 to Oct. 10, 2014. Please confirm.
THANK YOU!

Cecilia Gil
Board Assistant
Clerk of the Board
951-955-8464
MS# 1010



OFFICE OF
CLERK OF THE BOARD OF SUPERVISORS
1st FLOOR, COUNTY ADMINISTRATIVE CENTER
P.O. BOX 1147, 4080 LEMON STREET
RIVERSIDE, CA 92502-1147
PHONE: (951) 955-1060
FAX: (951) 955-1071

KECIA HARPER-IHEM
Clerk of the Board of Supervisors

KIMBERLY A. RECTOR
Assistant Clerk of the Board

September 26, 2014

THE DESERT SUN
ATTN: LEGALS
PO BOX 2734
PALM SPRINGS, CA 92263
legals@thedesertsun.com

FAX (760) 778-4731
E-MAIL:

RE: NOTICE INVITING BIDS: COACHELLA VALLEY MOBILE HOME PHASE 2

To Whom It May Concern:

Attached is a copy for publication in your newspaper for **FIVE (5) TIMES:**

Wednesday - October 1, 2014
Thursday - October 2, 2014
Friday - October 3, 2014
Saturday - October 4, 2014
Sunday - October 5, 2014

We require your affidavit of publication immediately upon completion of the last publication.

Your invoice must be submitted to this office, WITH TWO CLIPPINGS OF THE PUBLICATION.

NOTE: PLEASE COMPOSE THIS PUBLICATION INTO A SINGLE COLUMN FORMAT.

Thank you in advance for your assistance and expertise.

Sincerely,

Cecilia Gil

Board Assistant to:
KECIA HARPER-IHEM, CLERK OF THE BOARD

Gil, Cecilia

From: Moeller, Charlene <CMOELLER@palmspri.gannett.com>
Sent: Friday, September 26, 2014 9:00 AM
To: Gil, Cecilia
Subject: RE: FOR PUBLICATION: Bids for Coachella Valley Mobile Home Phase 2

Ad received and will publish on date(s) requested.

Charlene Moeller | Media Sales Legal Notice Coordinator

The Desert Sun Media Group
750 N. Gene Autry Trail, Palm Springs, CA 92262
t 760.778.4578 | f 760.778.4731
legals@thedesertsun.com / dpwlegals@thedesertsun.com

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This email and any files transmitted with it are confidential and intended for the individual to whom they are addressed. If you have received this email in error, please notify the sender and delete the message from your system

From: Gil, Cecilia [<mailto:CCGIL@rcbos.org>]
Sent: Friday, September 26, 2014 8:33 AM
To: tds-legals
Subject: FOR PUBLICATION: Bids for Coachella Valley Mobile Home Phase 2

Attached is a Notice Inviting Bids for publication from Oct. 1, 2014 to Oct. 5, 2014. Please confirm.
THANK YOU!

Cecilia Gil
Board Assistant
Clerk of the Board
951-955-8464
MS# 1010

Notice to Bidders

County of Riverside, herein called Owner, invites sealed proposals for:

Coachella Valley Mobile Home Park Paving Project – Phase 2
Communities of Mecca, Thermal and Oasis
Project No. C4-0053
SCAQMD Contract No. 13442

Bid shall be delivered to the County of Riverside Transportation Department, 14th Street Annex, 3525 14th Street, Riverside, California 92501, telephone (951) 955-6780 not later than 2:00 p.m., on Wednesday, **October 22, 2014** to be promptly opened in public at said address. Each bid shall be in accordance with plans, specifications and other contract documents, dated **August 2014**, and prepared by County of Riverside, whose address is same as the above, from whom they may be obtained upon deposit of **\$25.00** per set with plans, plus mailing costs. No refund. Prospective bidders may preview the plans, specifications and other contract documents at no charge prior to purchase at the above noted location.

The Contractor is required to have a Class "A" or "C-12" license at the time of bid submission.

Schedule of Work	Engineer Estimate	Working Days
Base Bid Schedule	\$ 246,000 - \$ 287,000	14
Alternate Bid Schedule 1	\$ 214,000 - \$ 250,000	13 (Additional if selected for award)
Alternate Bid Schedule 2	\$ 136,000 - \$ 159,000	9 (Additional if selected for award)
Alternate Bid Schedule 3	\$ 52,000 - \$ 61,000	3 (Additional if selected for award)
Alternate Bid Schedule 4	\$ 64,000 - \$ 74,000	3 (Additional if selected for award)
Alternate Bid Schedule 5	\$ 57,000 - \$ 67,000	3 (Additional if selected for award)
Alternate Bid Schedule 6	\$ 52,000 - \$ 61,000	3 (Additional if selected for award)
Alternate Bid Schedule 7	\$ 41,000 - \$ 48,000	2 (Additional if selected for award)
Alternate Bid Schedule 8	\$ 54,000 - \$ 63,000	3 (Additional if selected for award)
Alternate Bid Schedule 9	\$ 48,000 - \$ 56,000	2 (Additional if selected for award)
Alternate Bid Schedule 10	\$ 46,000 - \$ 54,000	2 (Additional if selected for award)
Alternate Bid Schedule 11	\$ 67,000 - \$ 78,000	4 (Additional if selected for award)
Alternate Bid Schedule 12	\$ 64,000 - \$ 75,000	3 (Additional if selected for award)
Alternate Bid Schedule 13	\$ 73,000 - \$ 85,000	4 (Additional if selected for award)
Alternate Bid Schedule 14	\$ 42,000 - \$ 50,000	2 (Additional if selected for award)
Alternate Bid Schedule 15	\$ 46,000 - \$ 54,000	2 (Additional if selected for award)
Alternate Bid Schedule 16	\$ 101,000 - \$ 118,000	5 (Additional if selected for award)
Alternate Bid Schedule 17	\$ 101,000 - \$ 118,000	5 (Additional if selected for award)

Bid Bond	10 %, No Bidder may withdraw their bid for a period of one hundred twenty (120) calendar days after the bid opening.
Performance Bond	100 %
Payment Bond	100 %

Website: <http://rctlma.org/trans/Contractors-Corner/Notices-Inviting-Bids>
Dated: September 26, 2014 Kecia Harper-Ihem, Clerk of the Board
By: Cecilia Gil, Board Assistant