# TITLE PAGE

9 ARRIATE ST, LADERA RANCH, CA 92694

**Building&Safety: Roshanak Amirazizi** 

6/12/2020

6/11/2020

Permits: BLD20-0596

**Zoning: Angelm** 

FRAME RESIDENCE BACKYARD REMODEL AND SPAINSTALLATION

County of Orange - OC Public Works **OC Development Services** APPROVED

This set of plans and specifications must be kept on the job at all times. It is unlawful to make any changes or alterations to these plans without written permission from OC Public Works, OC Development Services of Orange County. The stamping of these plan specifications SHALL NOT be held to permit or be an approval of the violation of any provisions of any County Ordinance or State law.

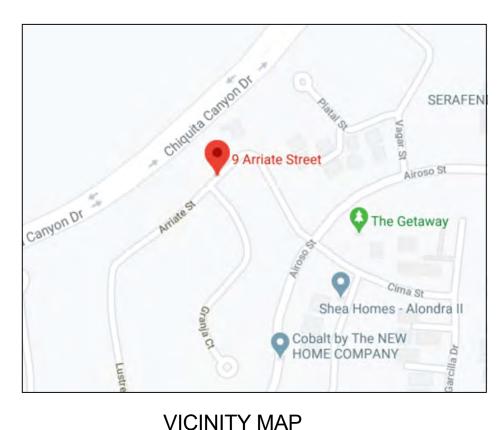
BUILDING OFFICIAL











There shall be no trenches or excavations 5 feet or more in depth into which a person is required 2019 CALIFORNIA BUILDING CODE 2019 CALIFORNIA MECHANICAL CODE 2019 CALIFORNIA PLUMBING CODE 2019 CALIFORNIA ELECTRICAL CODE 2019 CALIFORNIA ENERGY CODE 2019 CALIFORNIA RESIDENTIAL BUILDING CODE 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE 2018 INTERNATIONAL POOL AND SPA SAFETY CODE

The discharge of any pollutants to any strom drainage system is prohibited. No solid waste, petroleum byproducts, soil particulates, construction waste, materials or waste water generated on construction sites or by construction activities shall be placed, conveyed or discharged into the street, gutter or drain system.



# CPublicWorks

# **NPDES Notes**

Victor Herrera 1. In the case of emergency, call

at Work Phone # (949) 379-0469 or Home Phone # 2. Sediment from areas disturbed by construction shall be retained on site using structural controls to the maximum extent practicable.

3. Stockpiles of soil shall be properly contained to minimize sediment transport from the site to streets, drainage facilities or adjacent properties via runoff, vehicle tacking, or wind. 4. Appropriate BMP's for construction-related materials, wastes, spills shall be implemented to minimize transport from the site to

streets, drainage facilities, or adjoining properties by wind or runoff. 5. Runoff from equipment and vehicle washing shall be contained at construction sites unless treated to reduce or remove sediment and other pollutants.

6. All construction contractor and subcontractor personnel are to be made aware or the required best management practices and good housekeeping measures for the project site and any associated construction staging areas.

8. Construction sites shall be maintained in such a condition that an anticipated storm does not carry wastes or pollutants off the site. Discharges of material other than stormwater only when necessary for performance and completion of construction practices and where they do not: cause or contribute to a violation of any water quality standard; cause or threaten to cause pollution, contamination, or nuisance; or contain a hazardous substance in a quantity reportable under Federal Regulations 40 CFR Parts 117

7. At the end of each day of construction activity all construction debris and waste materials shall be collected and properly disposed

9. Potential pollutants include but are not limited to: solid or liquid chemical spills; wastes from paints, stains, sealants, glues, limes, pesticides, herbicides, wood preservatives and solvents; asbestos fibers, paint flakes or stucco fragments; fuels, oils, lubricants, and hydraulic, radiator or battery fluids; fertilizers, vehicle/equipment wash water and concrete wash water; concrete, detergent or floatable wastes; wastes from any engine/equipment steam cleaning or chemical degreasing and super chlorinated potable water line flushing. During construction, permittee shall dispose of such materials in a specified and controlled temporary area on-site, physically separated from potential stormwater runoff, with ultimate disposal in accordance with local, state and federal

10. Dewatering of contaminated groundwater, or discharging contaminated soils via surface erosion is prohibited. Dewatering of noncontaminated groundwater requires a National Pollutant Discharge Elimination System Permit from the respective State Regional Water Quality Control Board.

11. Graded areas on the permitted area perimeter must drain away from the face of slopes at the conclusion of each working day. Drainage is to be directed toward desilting facilities.

12. The permittee and contractor shall be responsible and shall take necessary precautions to prevent public trespass onto areas where

impounded water creates a hazardous condition. 13. The permittee and contractor shall inspect the erosion control work and insure that the work is in accordance with the approved

14. The permittee shall notify all general contractors, subcontractors, material suppliers, lessees, and property owners: that dumping of

chemicals into the storm drain system or the watershed is prohibited. 15. Equipment and workers for emergency work shall be made available at all times during the rainy season. Necessary materials shall

be available on site and stockpiled at convenient locations to facilitate rapid construction of temporary devices when rain is

16. All removable erosion protective devices shall be in place at the end of each working day when the 5-Day Rain Probability Forecast exceeds 40%.

17. Sediments from areas disturbed by construction shall be retained on site using an effective combination of erosion and sediment controls to the maximum extent practicable, and stockpiles of soil shall be properly contained to minimize sediment transport from

the site to streets, drainage facilities or adjacent properties via runoff, vehicle tracking, or wind.

18. Appropriate BMPs for construction-related materials, wastes, spills or residues shall be implemented and retained on site to minimize transport from the site to streets, drainage facilities, or adjoining property by wind or runoff.

300 N. Flower Street, Santa Ana, CA 92703 P.O. Box 4048, Santa Ana, CA 92702-4048

Revised 10/2015

P: 714.667.8888 | F: 714.667.7575 ocpCustomerCare@ocpw.ocgov.com

www.ocpublicworks.com

# PublicWorks

For SI: I foot = 304.8 mm.

### 2016 California Building Code Soils and Foundation

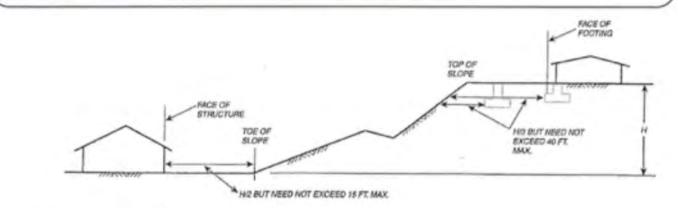


FIGURE 1808.7.1 FOUNDATION CLEARANCES FROM SLOPES

1808.7.1 Building clearance from ascending slopes. In general, buildings below slopes shall be set a sufficient distance from the slope to provide protection from slope drainage, erosion and shallow failures. Except as provided for in Section 1808.7.5 and Figure 1808.7.1, the following criteria will be assumed to provide this protection. Where the existing slope is steeper than one unit vertical in one unit horizontal (100-percent slope), the toe of the slope shall be assumed to be at the intersection of a horizontal plane drawn from the top of the foundation and a plane drawn tangent to the slope at an angle of 45 degrees (0.79 rad) to the horizontal. Where a retaining wall is constructed at the toe of the slope, the height of the slope shall be measured from the top of the wall to the top of the slope.

1808.7.2 Footing setback from descending slope surface. Footings on or adjacent to slope surfaces shall be founded in firm material with an embedment and set back from the slope surface sufficient to provide vertical and lateral support for the footing without detrimental settlement. Except as provided for in Section 1808.7.5 and Figure 1808.7.1, the following setback is deemed adequate to meet the criteria. Where the slope is steeper than 1 unit vertical in 1 unit horizontal (100-percent slope), the required set-back shall be measured from an imaginary plane 45 degrees (0.79 rad) to the horizontal, projected upward from the toe of the

1808.7.3 Pools. The setback between pools regulated by this code and slopes shall be equal to one-half the building footing setback distance required by this section. That portion of the pool wall within a horizontal distance of 7 feet (2134 mm) from the top of the slope shall be capable of supporting the water in the pool without soil support.

300 N. Flower Street, Santa Ana, CA 92703 P.O. Box 4048, Santa Ana, CA 92702-4048

Revised 2/2017

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# PublicWorks

# Swimming Pool/Spa Note Sheet

Gates to be self-closing and self-latching with latch a minimum of 5' high and must be swinging outward. 2. Glazing within 5' of water edge shall be tempered.

3. Pool equipment not to exceed noise level required by Orange County Noise Ordinance Section 4-6-5 of Division 6 Orange County Codified Ordinance.

Pool and/or spa shall be completely enclosed by 5' minimum high fencing and gates with no openings greater than 4'

4. Special Inspection is required on pools/spas during gunite or shotcrete placement in accordance with 2019 CBC Sections 1705.3, 1908 and Table 1705.3.

5. Concrete, gunite and shotcrete used in pools/spas construction shall be resistant to sulfates per 2019 CBC Chapter 19 and ACI 318 Table 19.3.1.1. Use F'c=4500 psi 28 day compressive strength with Type V Cement (maximum water/cement ratio = 0.45 per ACI Table 19.3.2.1) unless otherwise specify by soil report.

6. For expansive soils, use an Equivalent Fluid Pressure of 100 PCF (for level lot) and 125 PCF (for slopes) when soils report is not available.

7. All electrical shall be in conformance with the 2019 CEC.

8. Pool shell and perimeter paved and unpaved surfaces shall be bonded in accordance with CEC 680.26(B). Bonding to perimeter surfaces shall be provided as specified in CEC 680.26(B)(2)(a) or (2)(b) and shall be attached to the pool reinforcing steel or copper conductor grid at a minimum of four (4) points uniformly spaced around the perimeter of the pool.

Pool/spa water heater and gas piping installation to be in conformance with the 2019 CPC.

10. Two return drains required, one drain at the bottom and one drain at the side 2" within bottom, minimum 4' apart with anti-vortex covers.

11. Contractor is advised to refer to Section 115928 of the California Health and Safety Code for proper installation of the

12. All drains, grates, protective devices & skimmer cover for swimming pools/spas must be approved by this agency

13. All equipment shall be installed per manufacturers' recommendations and in accordance with the County of Orange

regulations.

14. Prior to steel inspection, Building Inspection will require a memo from the Soil/Geotechnical Engineer stating "Pool excavation is suitable for the support of the structure and the design assumptions are considered adequate."

15. Any pool or spa heating system or equipment shall be installed only if the manufacturer has certified the system per 2019 California Energy Code section 110.4. Cover shall be installed if outdoor pool/spa has a heat pump or gas heater.

16. Dirt and construction debris shall go to a legal dump site.

Property markers must be visible at the time of inspection or a survey will be required.

NOTICE COUNTY PROPERTY PERMIT REQUIRED

CURB CUTS, DRIVEWAYS, EXAVATIONS, STORAGE OF MATERIAL OR ANY REPAIR WORK IN, OVER, ALONG A CROSS OR THROUGH ANY HIGHWAY WITHOUT FIRST OBTAINING A PERMIT TO DO SO FROM OC PUBLIC WORKS | OC PLANNING IS AN UNLAWFUL ACT. Sec 6-1-2 Orange County Code (may take 4-6 weeks to obtain permit).

300 N. Flower Street, Santa Ana, CA 92703 P.O. Box 4048, Santa Ana, CA 92702-4048 Revised: 2/2017

http://ocpublicworks.com P: 714.667.8888 | F: 714.667.7575 ocpCustomerCare@ocpw.ocgov.com



**A OMEGA DESIGN AND DRAFTING 16331 CONSTRUCTION CIR E IRVINE, CA 92606** (949) 379-0469

#### **PROPERTY DESCRIPTION:**

2 STORY SINGLE FAMILY RESIDENCE

#### **LEGAL DESCRIPTION:**

LOT 5

**TRACT NO. 17581** 

PHASE MBO

VIRIDIAN AT ESENCIA

CITY - LADERA RANCH

**COUNTY - ORANGE** 

STATE - CALIFORNIA

LOT = 5,636 SQUARE FEET

HOUSE = 2,516 SQUARE FEET

#### OWNER INFORMATION

SCOTT FRAME

9 ARRIATE ST

LADERA RANCH, CA 92694

562-304-6460

SCOTTFRAME@MSN.COM

#### **INDEX**:

T1 = TITLE PAGE

N1 = POOL NOTES

N2 = OC NOTE PAGE

S1 = SITE PLAN (AS IS)

Q1 = EQUIPMENT PLAN

P1 = PLUMBING / ELECTRICAL

D1 = DRAINAGE PLAN

E1 = POOL ELEVATIONS

S2 = STRUCTURAL ENGINEERING

C1 = NORTH CROSS SECTION

C2 = EAST CROSS SECTION

### PROPOSED SCOPE OF WORK:

-8X16 SPA

-BARBECUE ISLAND -FIRE PIT

-WALL FOUNTAIN

-CONCRETE

-ARTIFICIAL TURF

### **SCALE:**

AS SHOWN ON EACH PAGE ALL DIMENSIONS SHALL BE FIELD VERIFIED.

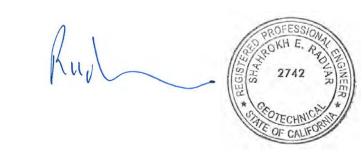
### **DRAWN BY:**

**VICTOR HERRERA** (949) 379-0469 aomegacompany@gmail.com

	Drawing:	Project:	Drawn:	Owner:	
Lot 5 - Tract No.	TITLE PAGE	BACKYARD REMODEL AND SPA INSTALLATION		SCOTT FRAME	
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				LADERA RANCH, CA 92694	
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# POOL NOTES

# 9 ARRIATE ST, LADERA RANCH, CA 92694



#### **Pool Notes:**

#### **Definition:**

Any swimming pool, spa, pond or other body of water on private property designed or intended to contain water more than 18 inches in depth at any point, including-in-ground, above ground and on ground pools, hot tubs and portable spas. (City Ord. 6.56.010 & Appendix 419-421)

#### **Barrier Requirements:**

#### • Fences:

The top of the fences or gates shall be at least 60 inches above any surface on the side of the fence that faces away from the pool. The space under a fence shall not exceed 2 inches to earth. Openings in a fence (if any) shall not be large enough to allow passage of a 4-inch sphere.

#### Decorative design:

Work on the side away from the swimming pool, such as protrusions, indentations or cutouts, which render the barrier easily climable, is prohibited

#### Chain link fence:

Material for fencing shall be a minimum 11 gauge wire and shall not allow passage of a 1-3/4 inch diameter sphere.

The maximum opening formed by the diagonal members shall be no more than 1-3/4 inches

#### Wood or wrought iron fence or combination with masonry walls composed of horizontal and vertical members: Where the distance between the tops of the horizontal members is less than 45 inches, the horizontal members shall be located on the pool side of the fence and the space between the vertical members shall not exceed 1-3/4 inches in width. Where the distance between the tops of the horizontal members is 45 inches or more the spacing between the vertical members shall not allow the passage of a 4 inch sphere. Where there are decorative cutouts within the vertical members, spacing within the cutouts shall not

Pool and/or spa shall be completely enclosed by 5' minimum high fencing and gates with no openings greater than 4" Gates to be self closing and self-latching with latch a minimum of 5' high and must be swinging outward.

#### Doors from the house:

exceed 1-3/4 inches in width.

When the wall of a dwelling serves as part of the barrier to the pool, any door (including sliding glass and screen doors) acessing pool area requires self closing and self latching devices with a release mechanism located a minimum of 54 inches above floor OR an approved pool alarm installed on all doors and screen having direct access to pool. (Self-contained spas with LISTED covers are exempt from Barrier requirements).

### **Equipment:**

Heater must be at least 4 feet from the property line. Pool drain line and P-Traps are required on all pools and spas over 300-gallon capacity regardless of filter

### **Pool Location:**

Subject to zoning approval, no minimum dimensions to building, property line or slope is required provided engineer has calculated the surcharge. Pool not permited in Public Utility Easement. If pool is under private power lines, the lines must be at least 22 feet above water line.

### **Glazing:**

Glazing in walls and fences used as the barrier for indoor and outdoor pools and spas shall be safety glass when all of the following conditions are present: • The bottom edge of the glazing is less than 60 inches above grade.

Gates shall swing away from the pool, and shall be self-closing with self latching device. When the release mechanism of the self-latching device is less than 54 inches from the ground, the release mechanism shall be located on the pool side of the gate at least 3 inches below the top of the gate and the fence shall have no openings greater than 1/2 inch within 18 inches of the release mechanism. Pedestrian doors from a garage shall have a self-closing, self-latching device 54 inches above the garage floor inside the garage.

### **Electrical Requirements:**

• The glazing is within 5 feet of a pool deck or area.

At least on 125-volt outlet with GFI protection is required within 10 to 20 feet from a permanently installed pool. Outlets are not permitted less than 10 feet from pool. Exception; single locking, ground type outlet for pump motor allowed up to 5 feet with GFI protection.

All metal surfaces (fence, flashings, motors, sliding doors, post bases, building weep screed, switches, re-bar or mesh in concrete decking, etc.) within 5 feet of water shall be bonded to the pool shell reinforcement. Bond connection shall be lug screwed or welded to the metal surface. Light fixtures (110-volts or low voltage) are not permitted within 10 feet of horizontal pool edge. Area in front of panel/timer to have a clear working space of 36 inches by 30 inches wide.

When using P.V.C. conduit to shell of light niche, leave container from potting compound for inspector's approval. Under certain conditions it may be necessary to increase the electrical service size to install pool/spa.

GFCI protection is required for outlets supplying pool-pump motors connected to 1-phase, 120V through 240V circuits, whether by receptacle or direct connection.

#### **Pool Notes Continued:**

- with no openings greater than 4 inches. Gates to be self closing and self latching with
- 3. Pool equipment not to exceed noise level required by Orange County Ordinance
- 4. Special Inspection is required on pools/spas during gunite or shotcrete placement in
- 5. Concrete, gunite and shotcrete used in pools/spas construction shall be resistant to sulfates per 2016 CBC Chapter 19 and ACI 318 Table 19.3.1.1. Use F'c=4500 psi
- 6. For expansive soils, use and Equivalent Fluid Pressure of 100 PCF (for level lot) and 125
- CEC 680.26(B). Bonding to perimeter surfaces shall be provided as specified in CEC 680.26(B)(2)(a) or (2)(b) and shall be attached to the pool reinforcing steel or copper conductor grid at a minimum of four (4) points uniformly spaced around the perimeter of the pool.
- 10. Two return drains required, one drain at the bottom and one drain at the side 2" within
- 11. Contractor is advised to refer to Section 115928 of the California Health and Safety Code
- 12. All drains, grates, protective devices and skimmer cover for swimming pools/spas must be
- 13. All equipment shall be installed per manufactures' recommendations and in accordance with
- 14. Prior to steel inspection, Building Inspection will require a memo from the Soil/Geotechnical Engineer stating "Pool excavation is suitable for the support of the structure and the design
- 15. Any pool or spa heating system or equipment shall be installed only if the manufacturer has certified the system per 2016 California Energy Code section 110.4. Cover shall be installed if outdoor pool/spa has a heat pump or gas heater.
- 16. Dirt and construction debris shall go to a legal dump site.

# 2016 California Building Code **Soils and Foundation**

Figure 1808.7.1 Foundation Clearances From Slopes

### 1808.7.1 Building clearance from ascending slopes.

(0.79) to the horizontal, projected upward from the toe of the slope.

In general, buildings below slopes shall be se a sufficient distance from the slope to provide protection from slope drainage, erosion and shallow failures. Except as provided for in Section 1808.7.5 and Figure 1808.7.1, the following criteria will be assumed to provide this protection. Where the existing slope is steeper than one unit vertical in one unit horizontal (100-percent slope), the toe of the slope shall be assumed to be at the intersection of a horizontal plane drawn from the top of the foundation and a plane drawn tangent to the slope at an angle of 45 degrees (0.79 rad) to the horizontal. Where a retaining wall is constructed at the top of the slope, the height of the slope shall be measured from the top of the wall to the top of the slope.

#### 1808.7.2 Footing setback from descending slope surface. Footings on or adjacent to slope surfaces shall be founded in firm material with and embedment and set back from the slope surface sufficient to provide vertical and lateral support for the footing without detrimental settlement. Except as provided for in Section 1808.7.5 and Figure 1808.7.1, the following setback is deemed adequate to meet the criteria. Where the slope is steeper than 1 unit horizontal (100-percent slope), the required set-back shall be measured from an Imaginary plane 45 degrees

For SI: 1 foot = 304.8 mm.

The setback between pools regulated by this code and slopes be equal to one-half the building footing setback distance required by this section. That portion of the pool wall within a horizontal distance of 7 feet (2134 mm) from the top of slope shall be capable of supporting the water in the pool without soil

- 1. Pool and or spa shall be completely enclosed by 5' minimum high fencing and gates a latch a minimum of 5' and must be swinging outward.
- 2. Glazing within 5' of water edge shall be tempered.
- section 4-6-5 of Division 6 Orange County Codified Ordinance.
- accordance with 2016 CBC Sections 1705.3, 1908 and Table 1705.3.
- 28 day compressive strength with Type V Cement (maximum water/cement ratio = 0.45 per ACI Table 19.3.2.1) unless otherwise specify by soil report.
- (for slopes) when soils report is not available.
- 7. All electrical shall be in conformance with the 2016 CEC.
- 8. Pool shell and perimeter paved and unpaved surfaces shall be bonded in accordance with
- 9. Pool/spa water heater and gas piping installation to be in conformance with the 2016 CPC.
- bottom, minimum 4 feet apart with anti-vortex covers.
- for proper installation of the pool drain system.
- approved by this agency prior to installation.
- the County of Orange regulations.
- assumptions are considered adequate."
- 17. Property markers must be visible at the time of inspection or a survey will be required.

# Sediment and Erosion Control

Contact DigAlert.org before you dig

- 1. In The case of emergency, call Julio Gonzalez, Mobile Phone # (714) 501-2895
- 2. Sediment from areas disturbed by construction shall be retained on site using structural controls to the maximum extent practible.
- 3. Stockpiles of soil shall be properly contained to minimize sediment transport from the site to streets, drainage facilities or adjacent properties via runoff, vehicle tacking, or wind.
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- 6. All construction contractor and subcontractor personnel are to be made aware of the required best management practices and good housekeeping measures for the project site and any associated construction staging areas.
- 7. At the end of each day of construction activity all construction debris and waste materials shall be collected and properly disposed in trash or recycle bins.
- 8. Construction sites shall be maintained in such a condition that an anticipated storm does not carry wastes or pollutants off the site. Discharges of material other than storm water only when necessary for performance and completion of construction practices and where they do not: cause or contribute to a violation of any water quality standard; cause or threaten to cause pollution, contamination, or nuisance; or contain a hazardous substance in a quantity reportable under Federal Regulations 40 CFR Part 117
- 9. Potential pollutants include but are not limited to: solid or liquid chemical spills; wastes from paints, sealants, glues, limes, pesticides, herbicides, wood preservatives and solvents; asbestos fibers, paint flakes or stucco fragments; fuels, oils, lubricants, and hydraulic, radiator or battery fluids; fertilizers, vehicle/equipment wash water and concrete wash water; concrete, detergent or floatable wastes; wastes from any engine/equipment steam cleaning or chemical degreasing and super chlorinated potable water line flushing. During construction, permittee shall dispose of such materials in a specified and controlled temporary area on-site, physically separated from potential storm water runoff, with ultimate disposal in accordance with local, state and federal requirements.
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- 13. The permittee and contractor shall inspect the erosion control work and insure that the work is in accordance with the approved plans.
- 14. The permittee shall notify all general contractors, subcontractors, material suppliers, lessees, and property owners: that dumping of chemicals in to the storm drain system or the watershed is prohibited. 15. Equipment and workers for emergency work shall be made available at all times during the rainy season. Necessary materials shall
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**Zoning: Angelm** 

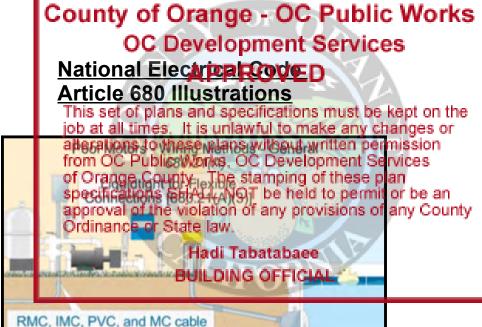
Building&Safety: Roshanak Amirazizi 6/12/2020

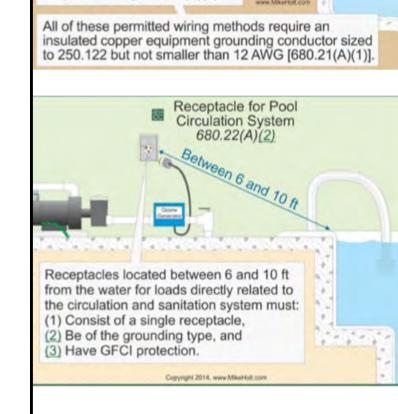
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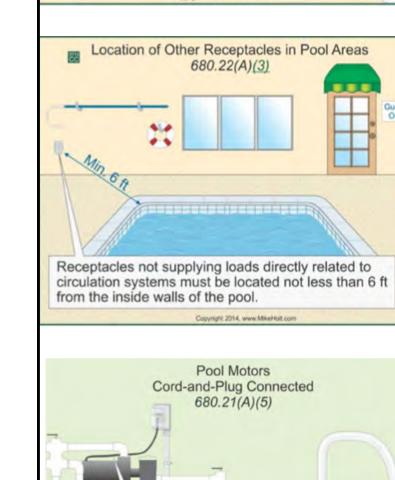
Permits: BLD20-0596

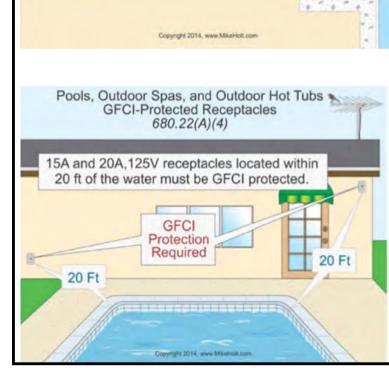
isted for the location, and EMT

as permitted by 680.21(A)(2).









A cord no longer than 3 ft with an attachment plug and

containing a copper equipment grounding conductor

not smaller than 12 AWG is permitted for pool motors.

BACKYARD REMODEL AND SPA INSTALLATION VICTOR HERRERA POOL NOTES Lot 5 - Tract No. 17591 - Phase MBO SCOT FRAME 9 ARRIATE ST Scale: LADERA RANCH, CA 92694 VERIDIAN AT ESENCIA N.T.S. 05/26/2020

# COUNTY OF ORANGE NOTE PAGE

9 ARRIATE, LADERA RANCH



6/12/2020

6/11/2020

Building&Safety: Roshanak Amirazizi

Ordinance or State law.

www.ocpublicworks.com

P: 714.667.88881F: 714.667.7575

ocpCustomerCare@ocpw.ocgov.com



County of Orange - OC Public Works **OC Development Services** 

APPROVED

This set of plans and specifications must be kept on the job at all times. It is unlawful to make any changes or alterations to these plans without written permission from OC Public Works, OC Development Services of Orange County. The stamping of these plan specifications SHALL NOT be held to permit or be an approval of the violation of any county. approval of the violation of any provisions of any County

**BUILDING OFFICIAL** 



# **Red Imported Fire Ant**

Orange, Los Angeles, and Riverside County Agricultural Commissioners - CDFA - USDA California Department of Food and Agriculture - RIFA Program 3180 Cridge Street Riverside, CA 92507 PH: (760) 275-0144 FAX: (951) 784-8932 EMAIL: dquimay@cdfa.ca.gov

#### TO ALL CONCERNED WITH SOIL MOVEMENT IN ORANGE COUNTY AND THE QUARANTINED AREAS OF RIVERSIDE AND LOS ANGELES COUNTIES:

There are quarantines established against the red imported fire ant (RIFA) in all of Orange County and parts of Los Angeles and Riverside Counties (California Code of Regulations 3432 and Code of Federal Regulation 301.81). Articles and commodities regulated include soil; baled hay and baled straw stored in direct contact with ground; plants and sod with roots and soil attached; used soil moving equipment, unless free of all non-compacted soil and any other product, article, or means of conveyance when it is determined by the department or county agricultural commissioner to present hazard of spreading live red imported fire ant and the person in possession has been so notified. It is unlawful to move within or from the quarantine area a commercial shipment of any commodity mentioned, except when certified by the department or county agricultural commissioner in accordance with the regulations.

RIFA Project would certify movement of soil from or within the quarantine area. The inspections are free. Please contact at least 3 days in advance to schedule an inspection, by sending a fax of this document and attached RIFA Form CA-1 (Notification of Intent to Move Soil). Inspection consists of determining if RIFA are present by visual survey or by trapping the area using protein baits (canned lunch meat). Certification for movement of soil within the quarantined area will be based on the severity of RIFA in the general area where the soil is being excavated in conjunction with where the soil is to be moved. RIFA Form CA-1 (attached) may be faxed to RIFA Project office with the appropriate information each time you have soil-moving project. If no RIFA are found at the site of origination, movement is permitted and a certification will be provided stating that the site found negative for RIFA. If RIFA are found at the origination site, movement is prohibited until a pesticide treatment plan is established as required by Project personnel.

The certification requirement for movement of soil would apply to persons dealing in soil movement such as grading, digging, landscaping, and other building projects. If you are unsure as to whether or not your project is subject to these requirements, please fax a copy of RIFA Form CA-1 to (916) 654-0986. We will respond within 3 to 4 business days (Mon-Thu).

Thank you for your cooperation and help in this matter.

I have read and understand this document:

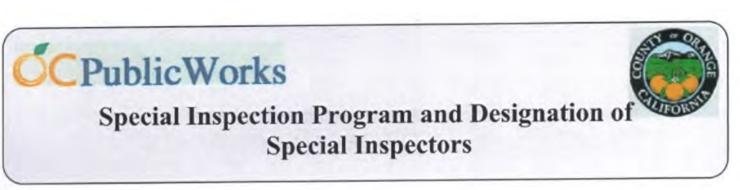
VICTOR HERRERA

RIFA Compliance Agreement No\*:

Company: A OMEGA CONSTRUCTION Address: 16331 CONSTRUCTION CIR E, IRVINE, CA Job Site Address: 9 ARRIATE ST , LADERA RANCH, 92694

300 N. Flower Street, Santa Ana, CA 92703 P.O. Box 4048, Santa Ana, CA 92702-4048 Revised 02/2017

www.ocpublicworks.com P: 714.667.8888 | F: 714.667.7575 ocpCustomerCare@ocpw.ocgov.com



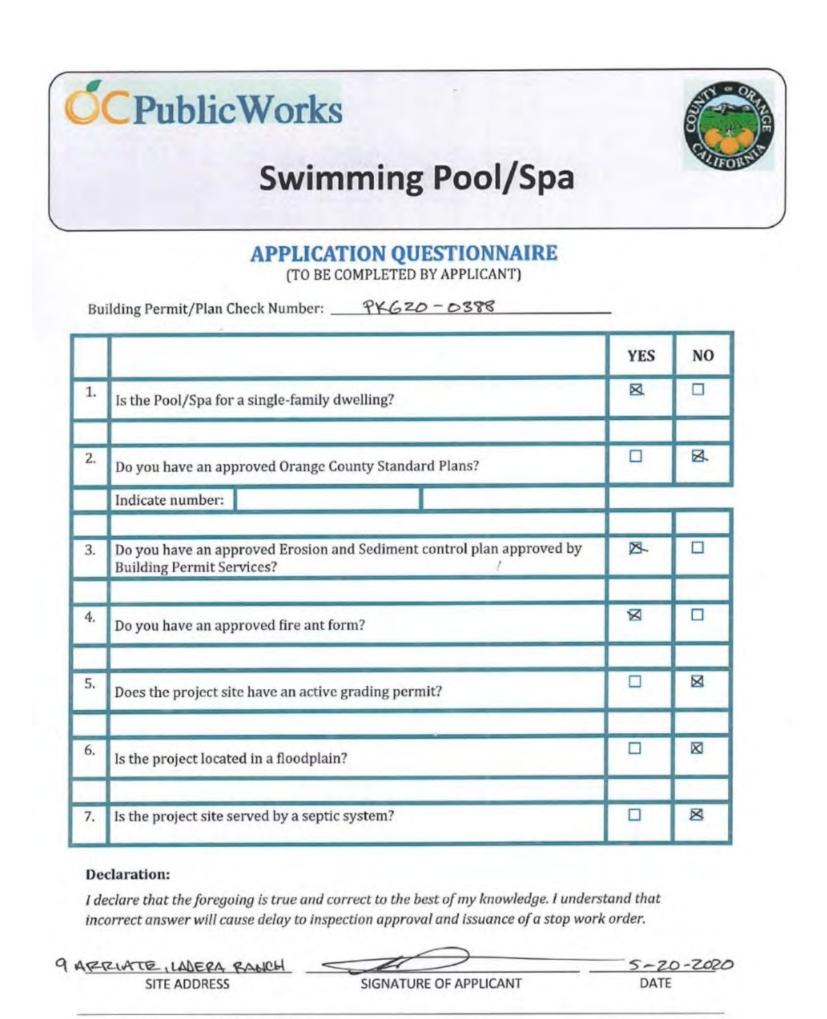
SPECIAL INSPECTIONS (Only checked items are required)						
INSPECTION ITEMS	SPECIAL INSPECTORS(S) NAME, PHONE NUMBER, REGISTRATION #					
□ Concrete (Design Mix, Form Work, Placement, etc., per table 1705.3)						
□ Erection of Pre-Cast Concrete Members						
Bolts Installed in Concrete						
□ Reinforcing Steel and Pre-Stressing Steel Tendons						
□ Structural Welding/Rebar Welding						
□ High-Strength Bolting/Material Verification						
□ Steel Frame Joint Details						
□ All Masonry Construction						
□ Sprayed Fire-Resistive Materials	TOHN 1114TSON # 2937					
Shotcrete (Curing Temperature, Design Mix, Placement, Strength etc. per table 1705.3)	ICH 825 0062 (111) 406-0040					
□ Soils (Excavation, Fill, etc. per table 1705.6)	/					
□ Smoke-Control System						
□ Driven Piles per Table 1705.7						
□ Cast in Place Piles per Table 1705.8						
Mastic and Intumescent Fire-Resistant Coatings						
□ Exterior Insulation and Finish Systems (EIFS)						
□ Wood for High-Load Diaphragms						
□ Others						
□ Others						
□ Others						
Others						

DECLARATION BY OWNER OR ARCHITECT/ENGINEER OF RECORD:

I, the Dwner Engineer or Architect of record, declare that the above listed Special Inspector(s) is/are hired by me.

VICTOR HERBERA

http://ocpublicworks.com 300 N. Flower Street, Santa Ana, CA 92703 P: 714.667.8888 I F: 714.667.7575 P.O. Box 4048, Santa Ana, CA 92702-4048 ocpCustomerCare@ocpw.ocgov.com Revised: 02/2017

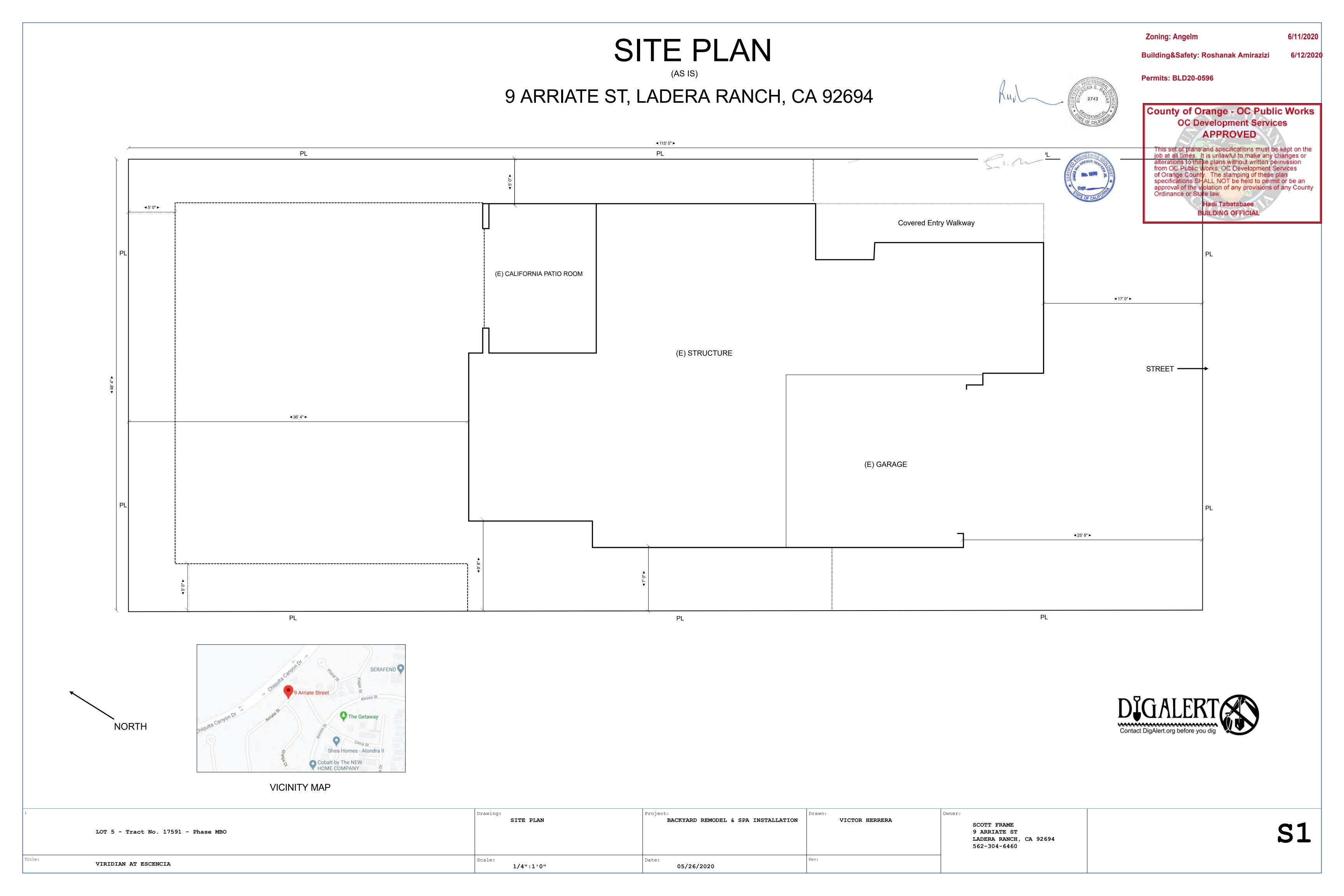


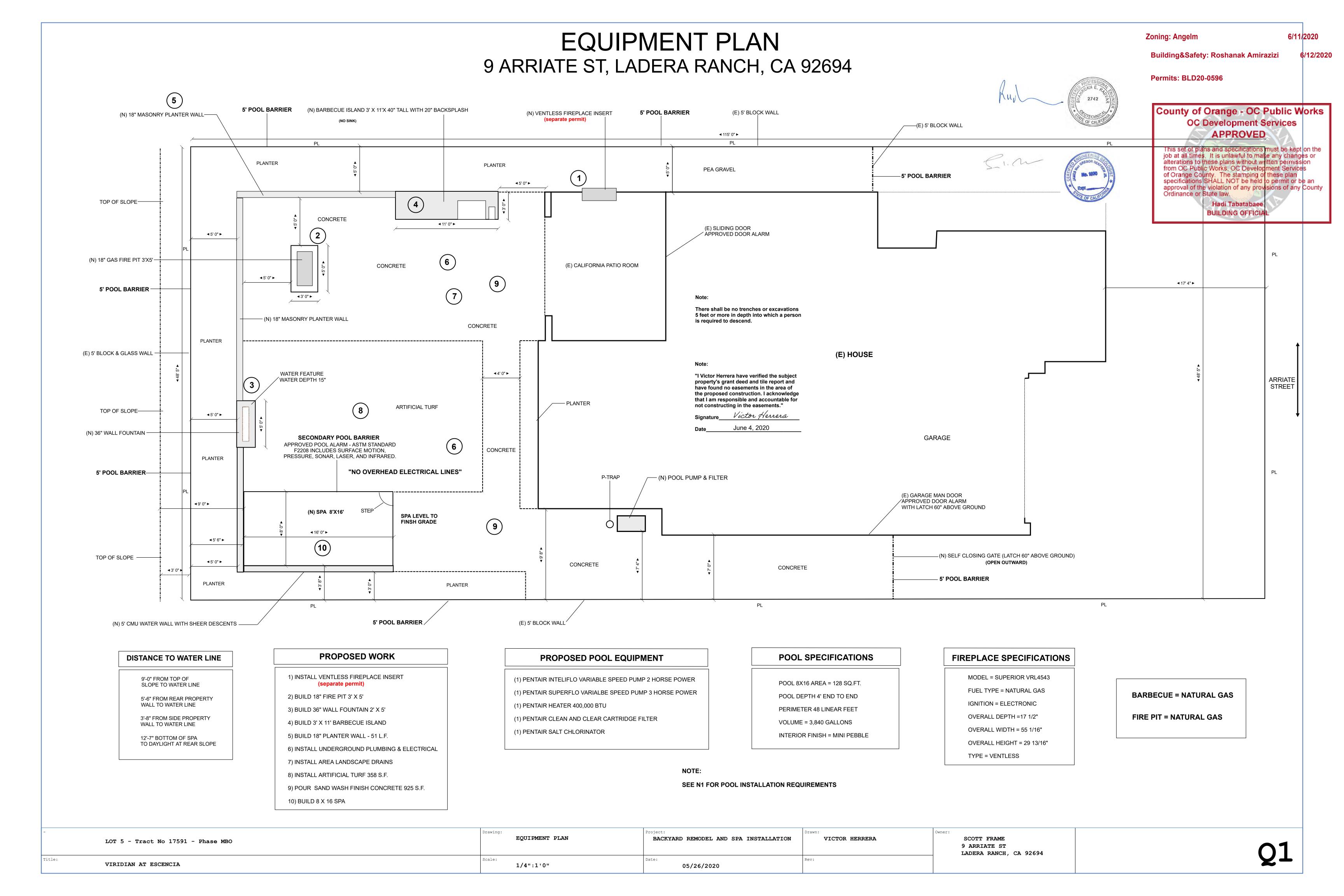
300 N. Flower Street, Santa Ana, CA 92703

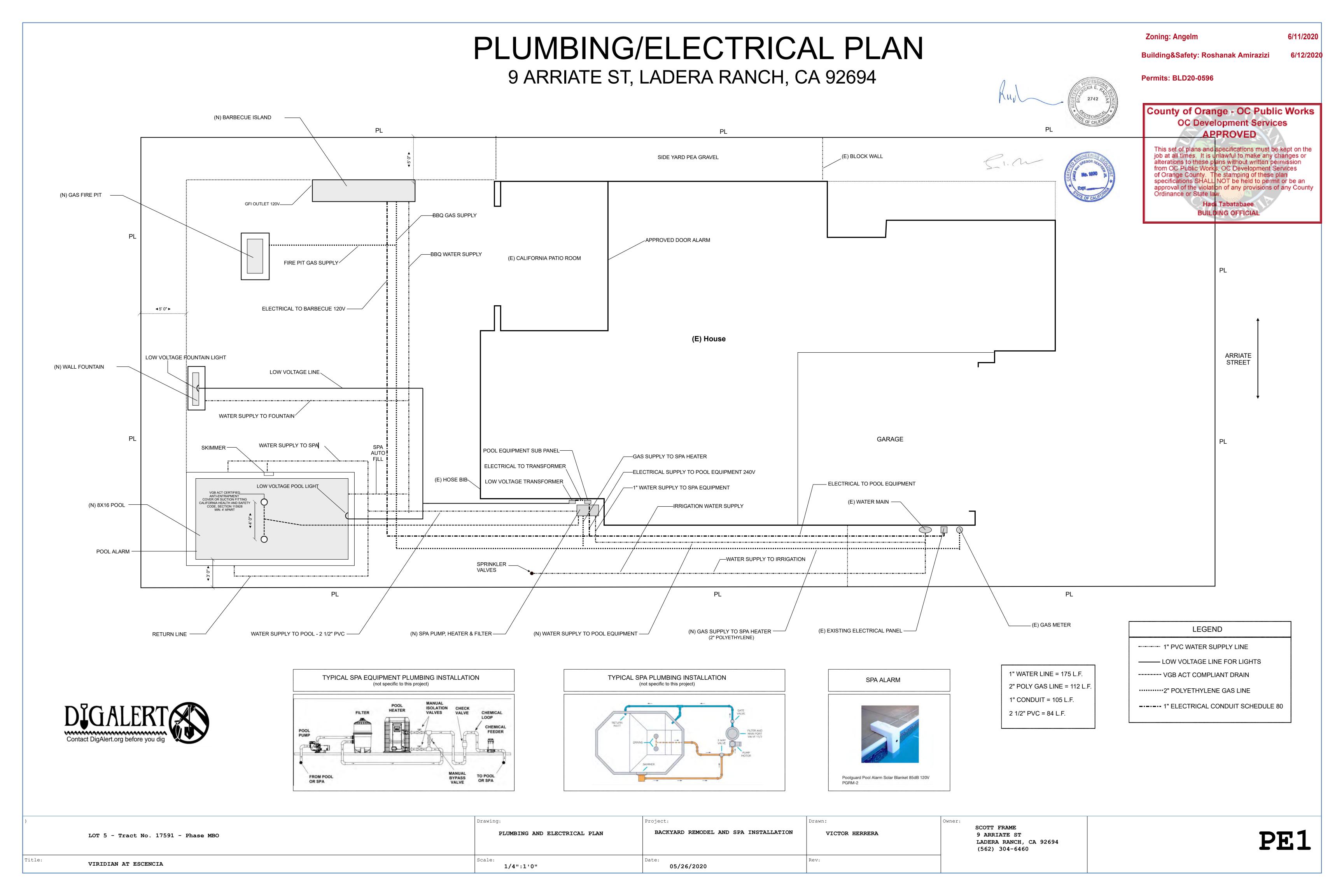
P.O. Box 4048, Santa Ana, CA 92702-4048

Revised 10/2015

Site:	LOT 5 - TRACT NO. 17591 - PHASE MBO	Drawing: NOTE PAGE	Project: BACKYARD REMODEL & SPA INSTALLATION	Drawn: VICTOR HERRERA	Owner:  SCOTT FRAME  9 ARRIATE ST.	N2
Title:	VERIDIAN AT ESENCIA	Scale: N.T.S.	Date: 05/26/2020	Rev:	LADERA RANCH, CA 92694	







# DRAINAGE PLAN

9 ARRIATE ST, LADERA RANCH, CA 92694



- CONNECT NEW DRAINS TO EXISTING UNDERGROUND AREA DRAINS

Permits: BLD20-0596

**Zoning: Angelm** 

County of Orange - OC Public Works
OC Development Services

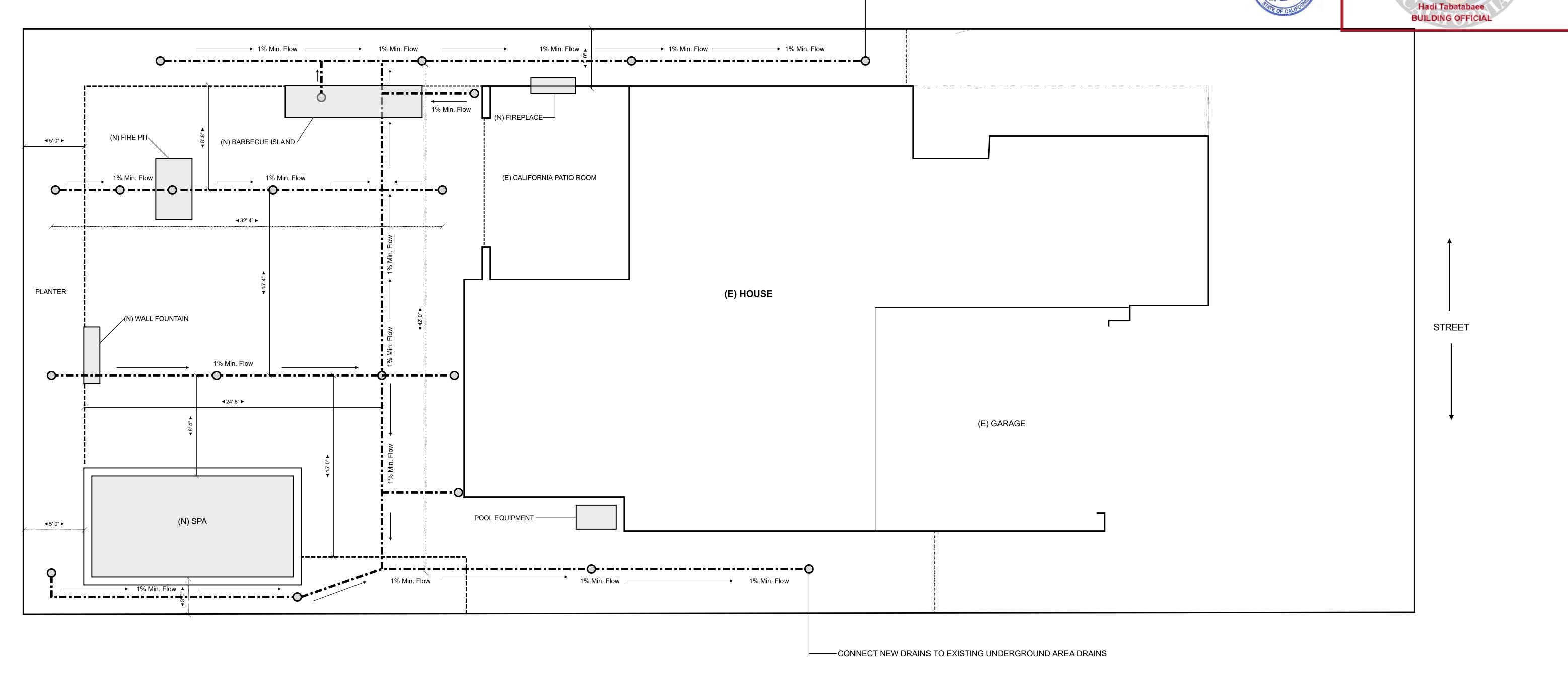
6/11/2020

6/12/2020

APPROVED

**Building&Safety: Roshanak Amirazizi** 

This set of plans and specifications must be kept on the job at all times. It is unlawful to make any changes or alterations to these plans without written permission from OC Public Works, OC Development Services of Orange County. The stamping of these plan specifications SHALL NOT be held to permit or be an approval of the violation of any provisions of any County Ordinance or State law.



**---** 3" PVC DRAIN PIPE SDR 35 (323 L.F.)



)	LOT 5 - Tract No. 17591 - PHASE MBO	Drawing:  DRAINAGE PLAN	Project:  BACKYARD REMODEL AND SPA INSTALLATION	Drawn:	Owner:  SCOTT FRAME 9 ARRIATE ST
Title:	VIRIDIAN AT ESCENCIA	Scale: 1/4":1'0"	Date: 05/26/2020	Rev:	LADERA RANCH, CA 92694

# POOL ELEVATIONS

9 ARRIATE, LADERA RANCH, CA 92694

PROFESSIONAL PROFE



-(3) 36" SHEER DESCENTS

Zoning: Angelm

Building&Safety: Roshanak Amirazizi

Permits: BLD20-0596

County of Orange - OC Public Works
OC Development Services

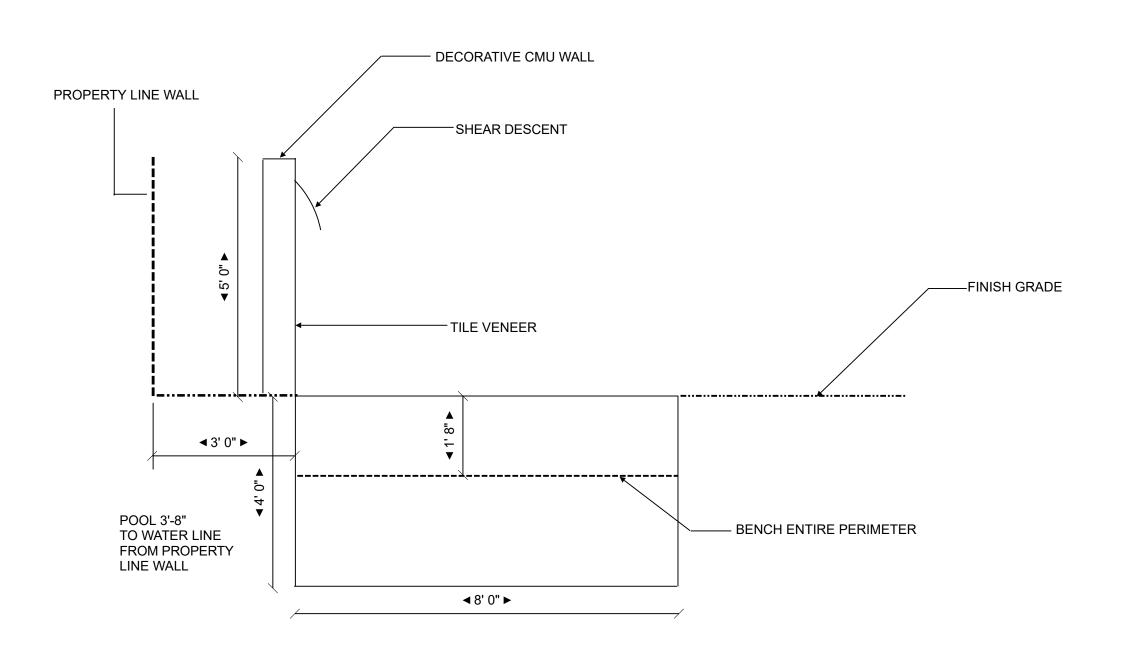
APPROVED

6/11/2020

6/12/2020

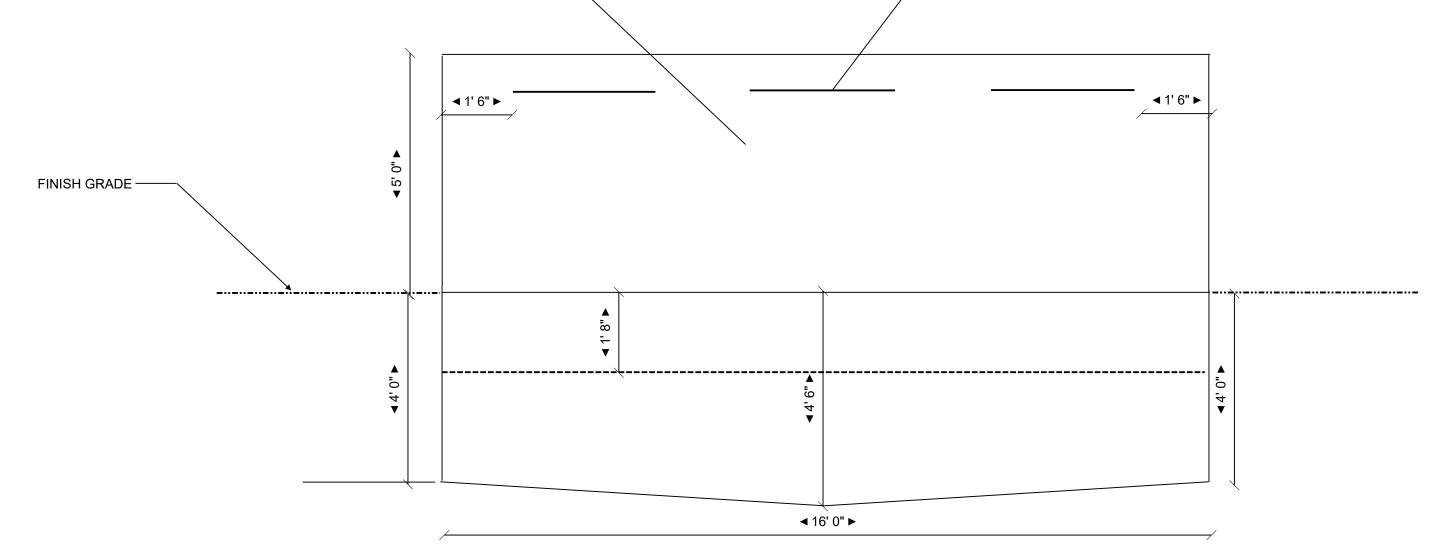
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Hadi Tabatabaee BUILDING OFFICIAL



SPA SIDE ELEVATION





DECORATIVE CMU WALL WITH TILE VENEER

SPA FRONT ELEVATION

# SPA DETAILS SPA SIZE - 8 X 16

AREA - 128 SQUARE FEET

SPA FINISH SURFACE - MINI PEBBLE

PERIMETER - 32 LINEAR FEET

COPING - PRECAST MASONRY

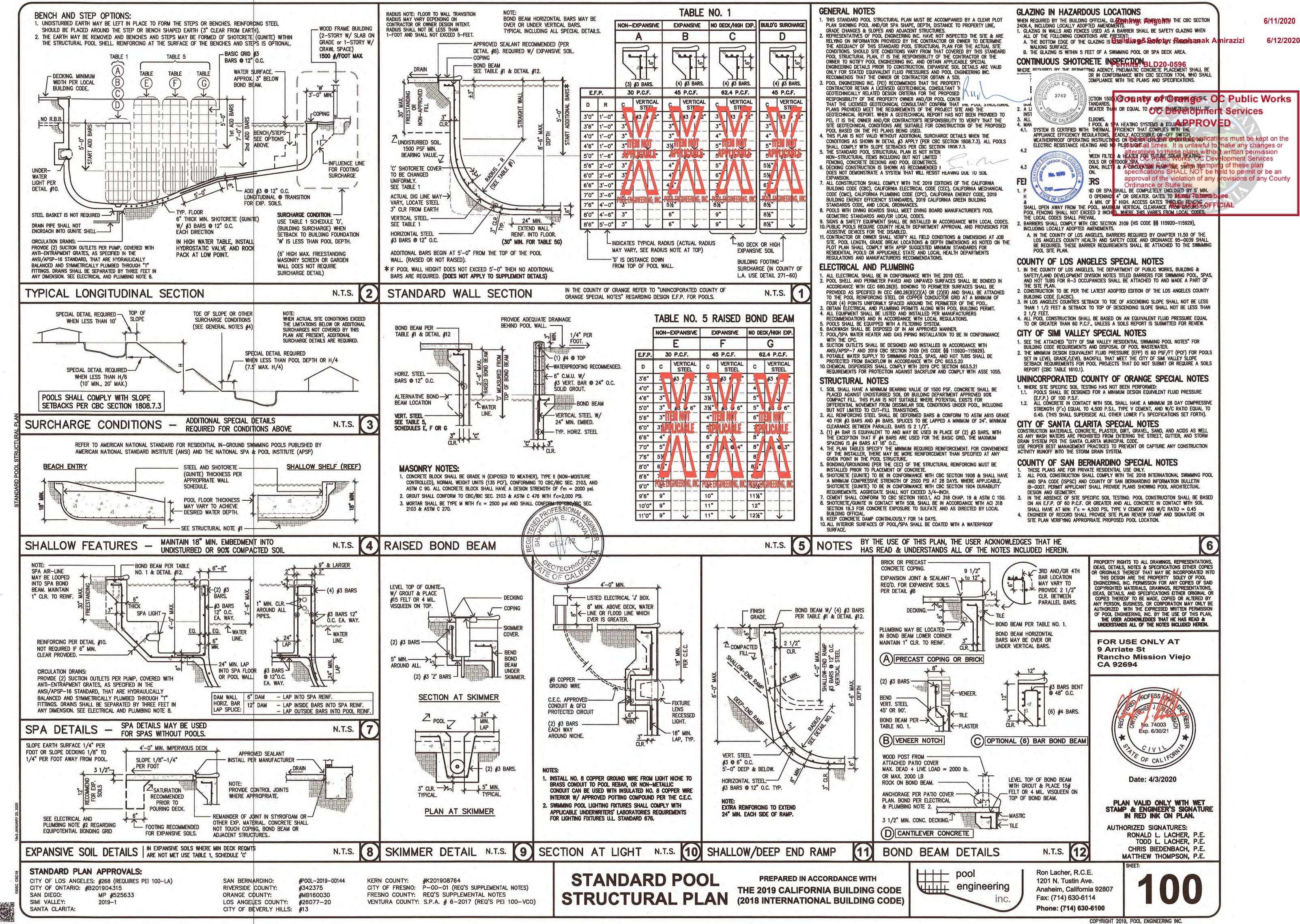
SURFACE AREA - 192 SQUARE FEET

VOLUME - 3,840 GALLONS

Site:	LOT 5 - TRACT No. 17591 - Phase MBO	Drawing: POOL ELEVATIONS	Project:  BACKYARD REMODEL AND SPA INSTALLATION	Drawn: VICTOR HERRERA	Owner:  SCOTT FRAME	
Title:	VIRIDIAN AT ESENCIA	Scale: 1/2":1'0"	Date: 05/26/2020	Rev:	9 ARRIATE ST LADERA RANCH, CA 92694	

6/11/2020

Zoning: Angelm





RESISTING MOMENT:

RESISTING MOMENT ABOUT POINT A

 $d_3$ 

d

 $= W_1 d_1 + W_2 d_2 + ... W_n d_n$ 

W<sub>n</sub> = wt. of segment<sub>n</sub>

#### METHODOLOGY:

 $\gamma$  = EQUIVALENT FLUID PRESSURE

 $OTM = 1/6 \gamma H^3$ 

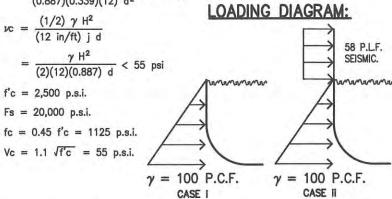
WHERE  $\gamma = 100 \text{ pcf}$ 

NET MOM = OTM - RESIST. MOMENT

$$fs = \frac{M(12 \text{ in/ft})}{As \text{ j d}} = \frac{Mt (12)}{As (0.887) d}$$

M(2) 12 in/ft

Mt (2)(12)  $\frac{1}{(0.887)(0.339)(12)}$  d<sup>2</sup> < 1125 psi



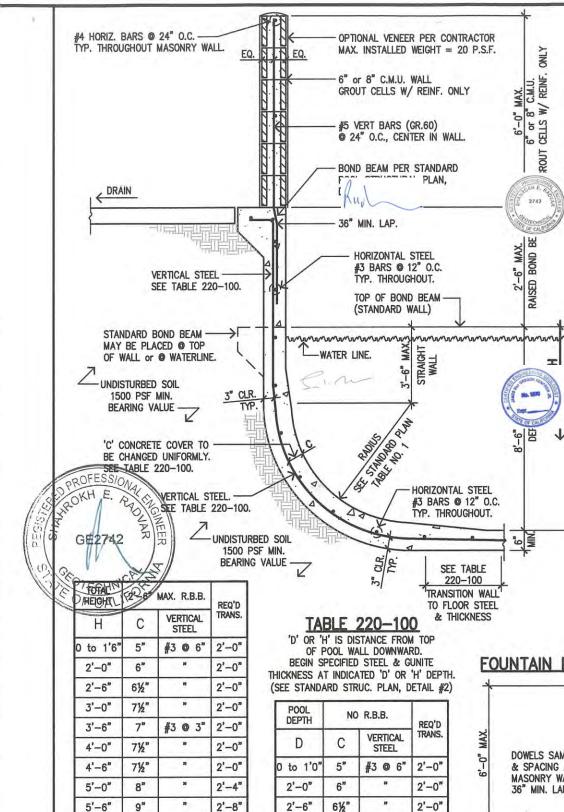
## CALCULATION RESULTS: 6'-0" BLOCK WALL ON BOND BEAM

EQUIVALENT FLUID PRESSURE = 100 P.C.F. RESULTS FOR NO RAISED BOND BEAM WITH SEISMIC

DEPTH 'D'	SOIL OTM ft-#	LOAD OTM ft-#	SOIL RM ft-#	NET Mom	t	VERTICAL STEEL	fs p.s.i.	fc p.s.i.	νc p.s.i.
1'-0"	17	1398	64	1351	8"	#3 @ 6"	16591	523	7.6
2'-0"	133	1788	102	1820	9"		18378	520	8.5
3'-0"	450	2178	150	2478	10½"	и	19740	492	9.6
3'-6"	715	2373	179	2909	10½"	#3 @ 3"	11887	439	11.4
4'-6"	1519	2714	288	3945	10½"		16120	595	16.0
5'-6"	2773	2950	552	5171	11"		19723	700	20.3
6'-6"	4577	3057	1096	6538	12½"	add 3 #4	13472	567	22.5
7'-6"	7031	2961	2202	7790	12½"	10	16051	675	28.9
8'-6"	10235	1893	6689	5439	12½"	n	11208	471	36.1

#### DECLITE FOR 2'-6" MAY PAISED DOND BEAM WITH SEISMIC

	KESUL	2 LOK	2-0	MAA.	KAISE	D BOND E	CAM W	כ חוו	CIOMI
HEIGHT 'H'	SOIL OTM ft-#	LOAD OTM ft-#	SOIL RM ft-#	NET Mom	t	VERTICAL STEEL	fs p.s.i.	fc p.s.i.	νc p.s.i.
1'-6"	56	1593	81	1569	8"	#3 @ 6"	19267	607	8.7
2'-6"	260	1983	122	2122	9½"		19674	532	9.3
3'-6"	715	2373	175	2912	10"	#3 @ 3"	12813	493	12.3
4'-6"	1519	2763	231	4051	10½"		16552	611	16.0
5'-6"	2773	3153	296	5630	12"	н	18946	628	18.0
6'-0"	3600	3348	333	6615	12"	add 3 #5	10069	554	21.0
7'-0"	5717	3689	496	8909	12½"		12786	681	25.8
8'-0"	8533	3925	904	11554	13"		15683	808	30.9
9'-0"	12150	4032	1703	14479	13½"	#5 <b>©</b> 3"	15801	878	36.3
10'-0"	16667	3936	3241	17361	14½"	,	17167	901	40.1
11'-0"	22183	2868	9282	15769	14½"	м	15593	819	48.0



**Zoning: Angelm** 

TYPICAL ADD BAR

Building&Safety: Roshanak Amirazizi TOP OF POOL WALL

6/12/2020

R.C.E. 1201 N. Tustin Ave. Anaheim, CA 92807 (714) 630-6100 info@pooleng.com

engineering inc.

THIS DETAIL TO BE USED IN CONJUNCTION WITH STANDARD POOL STRUCTURAL PLAN

PLAN VALID ONLY WITH ENGINEER'S SIGNATURE IN RED INK ON PLAN.

6/11/2020

Permits: BLD20-0596 -BASIC GRID (WALL W/ R.B.B.) #3 BARS @ 12" O.C. EACH WAY.

# County of Orange - OC Public Works

OC Development Services

APPROVED
VERTICAL REINFORCEMENT AS SPECIFIED IN TABLE STARTS A DISTANCE 'D' OR 'H'

This set of plans and powerfield and property of the set of the plans and property of the set of the plans of alterations to these plants and the true permission from OC Public Works OC Development Services of Orange County. The stamping of these plan specifications SHALL NOT be held to permit or be an approval of the violation of any provisions of any County Ordinance or State law

Had! CONCRETE BLOCK SHALL BE NORMAL WEIGHT UNITS NO ASTM C 90. ALL CONCRETE BLOCK SHALL HAVE

> 2. GROUT SHALL CONFORM TO CBC/IBC SEC. 2103 & ASTM C 476 WITH f'c=2,000 PSI.

3. MORTAR SHALL BE TYPE M WITH f'c = 2,500 psi AND SHALL CONFORM TO CBC/IBC SEC. 2103 & ASTM C 270.

4. MORTAR BED JOINTS USED IN CONSTRUCTION SHALL NOT EXCEED 5/8" THICKNESS.

POOL DEPTH	NO	NO R.B.B.				
D	С	VERTICAL STEEL	REQ'D TRANS.			
0 to 1'0"	5"	#3 @ 6"	2'-0"			
2'-0"	6"		2'-0"			
2'-6"	6½"	"	2'-0"			
3'-0"	7½"	"	2'-0"			
3'-6"	7½"	#3 @ 3"	2'-0"			
4'-6"	7½"	н	2'-0"			
5'-0"	7½"	я-	2'-0"			
5'-6"	8"		2'-0"			
6'-0"	9½"		2'-0"			
6'-6"	9"	add 3 #4	2'-0"			
7'-6"	9"		2'-0"			
8'-6"	9"	H	2'-3"			

6'-0"

6'-6"

7'-0"

7'-6"

8'-0"

8'-6"

9'-0"

10'-0"

11'-0"

81/2"

81/2"

9"

91/2"

91/2"

10"

11"

add 3 #5 3'-0"

#5 @ 3"

3'-5"

3'-10

3'-11

4'-0"

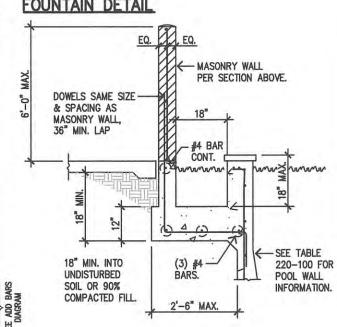
4'-2"

4'-3"

4'-6"

5'-0"

#### FOUNTAIN DETAIL



FOR USE ONLY AT 9 Arriate St Rancho Mission Viejo CA 92694



Date: 4/3/2020

STANDARD WALL WITH 6'-0" BLOCK WALL ON BOND BEAM EXPANSIVE SOIL EQUIVALENT FLUID PRESSURE = 100 P.C.F.

**DETAIL #220-100** 

### CALCULATIONS

#### METHODOLOGY:

 $\gamma = \text{EQUIVALENT FLUID PRESSURE}$ 

 $OTM = 1/6 \gamma H^3$ 

WHERE  $\gamma = 100 \text{ pcf}$ 

NET MOM = OTM = RESISTING MOMENT

RESISTING MOMENT:

RESISTING MOMENT ABOUT POINT A

 $RM = W_1 d_1 + W_2 d_2 + ... W_n d_n$ 

 $d_3$ 

d

 $fs = \frac{M(12 \text{ in/ft})}{As \text{ j d}} = \frac{Mt (12)}{As (0.887) d}$ 

 $c = \frac{M(2) \ 12 \ in/ft}{j \ k \ b \ d^2} = \frac{Mt \ (2)(12)}{(0.887)(0.339)(12) \ d^2} < 1125 \ psi$ 

 $vc = \frac{(1/2) \gamma H^2}{(12 \text{ in/ft}) \text{ j d}} = \frac{\gamma H^2}{(2)(12)(0.887) \text{ d}} < 55 \text{ psi}$ 

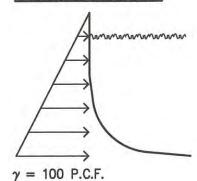
f'c = 2,500 p.s.i.

Fs = 20,000 p.s.i.

fc = 0.45 f'c = 1125 p.s.i.

 $Vc = 1.1 \sqrt{f'c} = 55 \text{ p.s.i.}$ 

#### LOADING DIAGRAM:





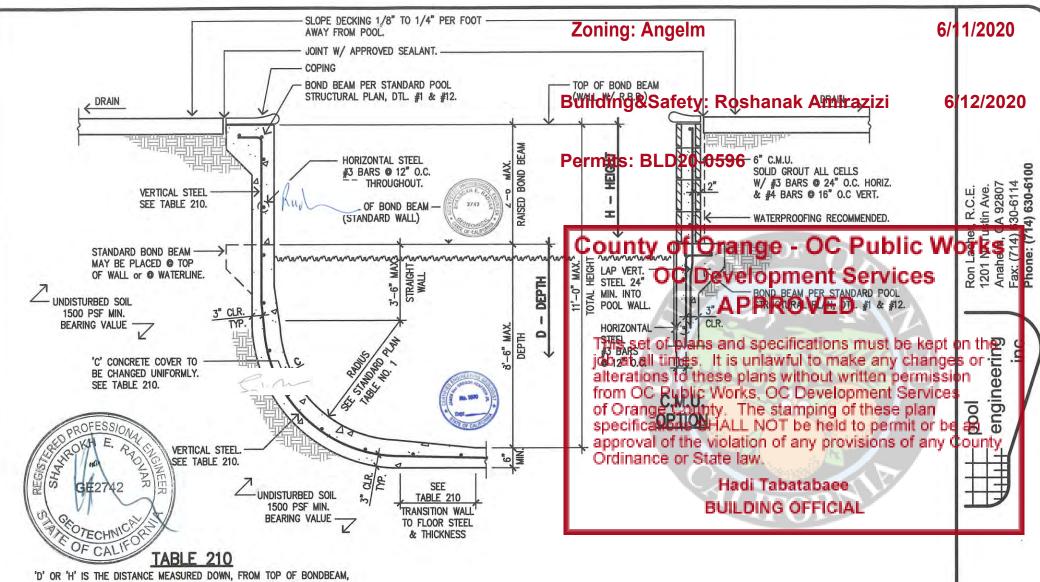
 $W_n = wt.$ of segment<sub>n</sub>

STANDARD WALL EXPANSIVE SOIL EQUIVALENT FLUID PRESSURE = 100 P.C.F. RESULTS FOR NO RAISED BOND BEAM

DEPTH 'D'	SOIL OTM ft-#	SOIL RM ft-#	NET Mom	t	VERTICAL STEEL	fs p.s.i.	fc p.s.i.	νc p.s.i.
3'-0"	450	97	353	6"	#3 @ 12"	14758	426	13.3
4'-0"	1067	129	937	7"	#3 @ 4"	9955	455	17.5
5'-0"	2083	242	1842	7½"		17197	730	24.2
6'-0"	3600	506	3094	8½"	#3 @ 3"	17651	785	28.2
7'-0"	5717	1047	4670	10½"		19081	704	27.9
8'-0"	8533	2284	6249	12½"		19858	638	28.6
8'-6"	10235	5049	5186	12½"	и	16480	529	32.3

#### RESULTS FOR 2'-6" MAX, RAISED BOND BEAM

HEIGHT 'H'	SOIL OTM ft-#	SOIL RM ft-#	NET Mom	t	VERTICAL STEEL	fs p.s.i.	fc p.s.i.	νc p.s.i.
3'-0"	450	97	353	6"	#3 @ 12"	14758	426	13.3
4'-0"	1067	122	945	7½"	#3 @ 4"	8824	375	15.5
5'-0"	2083	156	1927	9"		13178	470	17.9
6'-0"	3600	203	3397	10"	#3 @ 3"	14944	574	22.0
7'-0"	5717	332	5385	12"		18120	600	23.2
8'-0"	8533	678	7856	14"	add 3 #4	13835	533	24.8
9'-0"	12150	1381	10769	15"		17286	632	28.7
10'-0"	16667	2775	13892	17"		18934	633	30.3
11'-0"	22183	8769	13415	17½"	э	17617	577	35.4

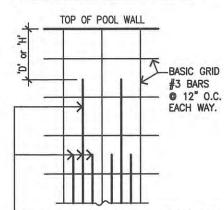


'D' OR 'H' IS THE DISTANCE MEASURED DOWN, FROM TOP OF BONDBE, TO INCREASE STEEL AND SHOTCRETE THICKNESS AS SPECIFIED. (SEE STANDARD STRUCTURAL PLAN, DETAIL #2)

REQ'D	R.B.B.	POOL NO R.B.B.						
TRANS.	VERTICAL STEEL	С	D					
2'-0"	#3 @ 12"	3"	0 to 3'0"					
2'-0"	10	4"	3'-6"					
2'-0"	#3 @ 4"	4"	4'-0"					
2'-0"	. #	4"	4'-6"					
2'-0"	N	41/2"	5'-0"					
2'-0"	10 TE 4	5½"	5'-6"					
2'-0"	#3 @ 3"	5½"	6'-0"					
2'-2"	н	6½"	6'-6"					
2'-4"		7½"	7'-0"					
2'-8"	B	8½"	7'-6"					
2'-10"		9½"	8'-0"					
3'-0"	,,	9½"	8'-6"					

TOTAL HEIGHT	2'-6"	MAX. R.B.B.	REQ'D	
Н	С	C VERTICAL STEEL		
0 to 3'0"	3"	#3 @ 12"	2'-0"	
3'-6"	4"		2'-0"	
4'-0"	4½"	#3 @ 4"	2'-0"	
4'-6"	5"		2'-0"	
5'-0"	6*	39	2'-0"	
5'-6"	6½"		2'-2"	
6'-0"	7"	#3 @ 3"	2'-8"	
6'-6"	8"	10	3'-3"	
7'-0"	9"	и.	3'-9"	
7'-6"	10"	19.	3'-10"	
8'-0"	10½"	add 3 #4	3'-11"	
8'-6"	10½"		4'-2"	
9'-0"	11½"	39	4'-4"	
9'-6"	12½"	20	4'-5"	
10'-0"	13½"	,	4'-6"	
10'-6"	14"		4'-9"	
11'-0"	14"	19	4'-11"	

#### TYPICAL ADD BAR REINFORCING DIAGRAM



VERTICAL REINFORCEMENT AS SPECIFIED IN TABLE STARTS A DISTANCE 'D' OR 'H' DOWN FROM TOP OF POOL WALL. REINFORCEMENT OTHER THAN BASIC GRID NEED NOT EXTEND TO TOP OF POOL WALL. ADD BARS TO BE EQUALLY SPACED BETWEEN BASIC GRID.

FOR USE ONLY AT 9 Arriate St Rancho Mission Viejo CA 92694



Date: 4/3/2020

STANDARD WALL EXPANSIVE SOIL EQUIVALENT FLUID PRESSURE = 100 P.C.F.

**DETAIL #210** 

THIS DETAIL TO BE USED IN CONJUNCTION WITH STANDARD POOL STRUCTURAL PLAN

PLAN VALID ONLY WITH ENGINEER'S SIGNATURE IN RED INK ON PLAN.

# NORTH CROSS SECTION

9 ARRIATE, LADERA RANCH

Zoning: Angelm

Building&Safety: Roshanak Amirazizi 6/12/2020

6/11/2020

Building&Safety: Rosnanak Amirazizi

Permits: BLD20-0596

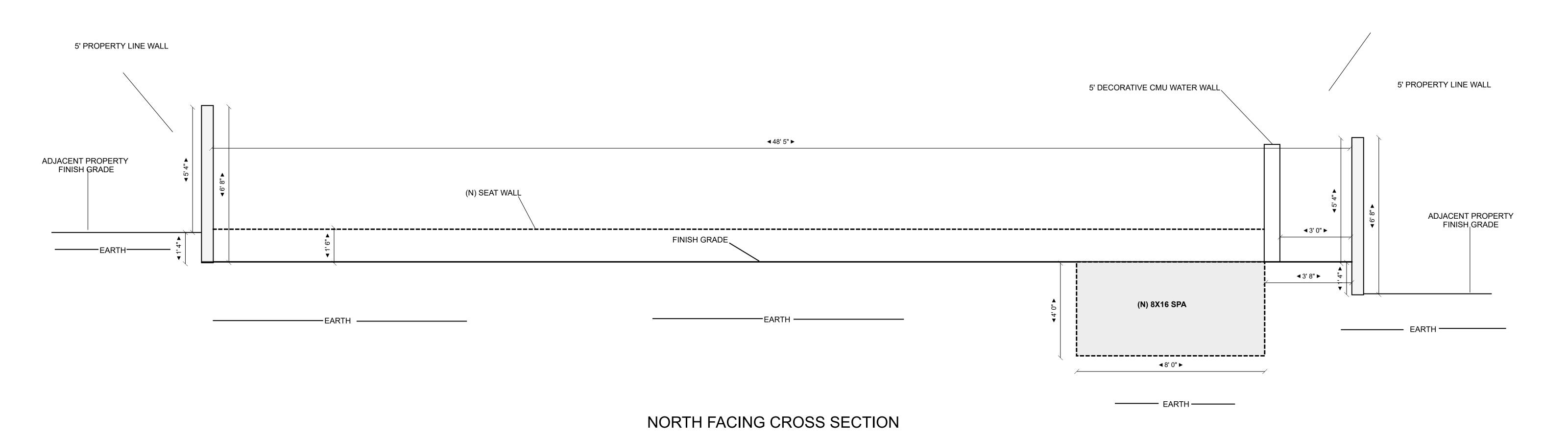
County of Oran

County of Orange - OC Public Works
OC Development Services

APPROVED

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Hadi Tabatabaee BUILDING OFFICIAL



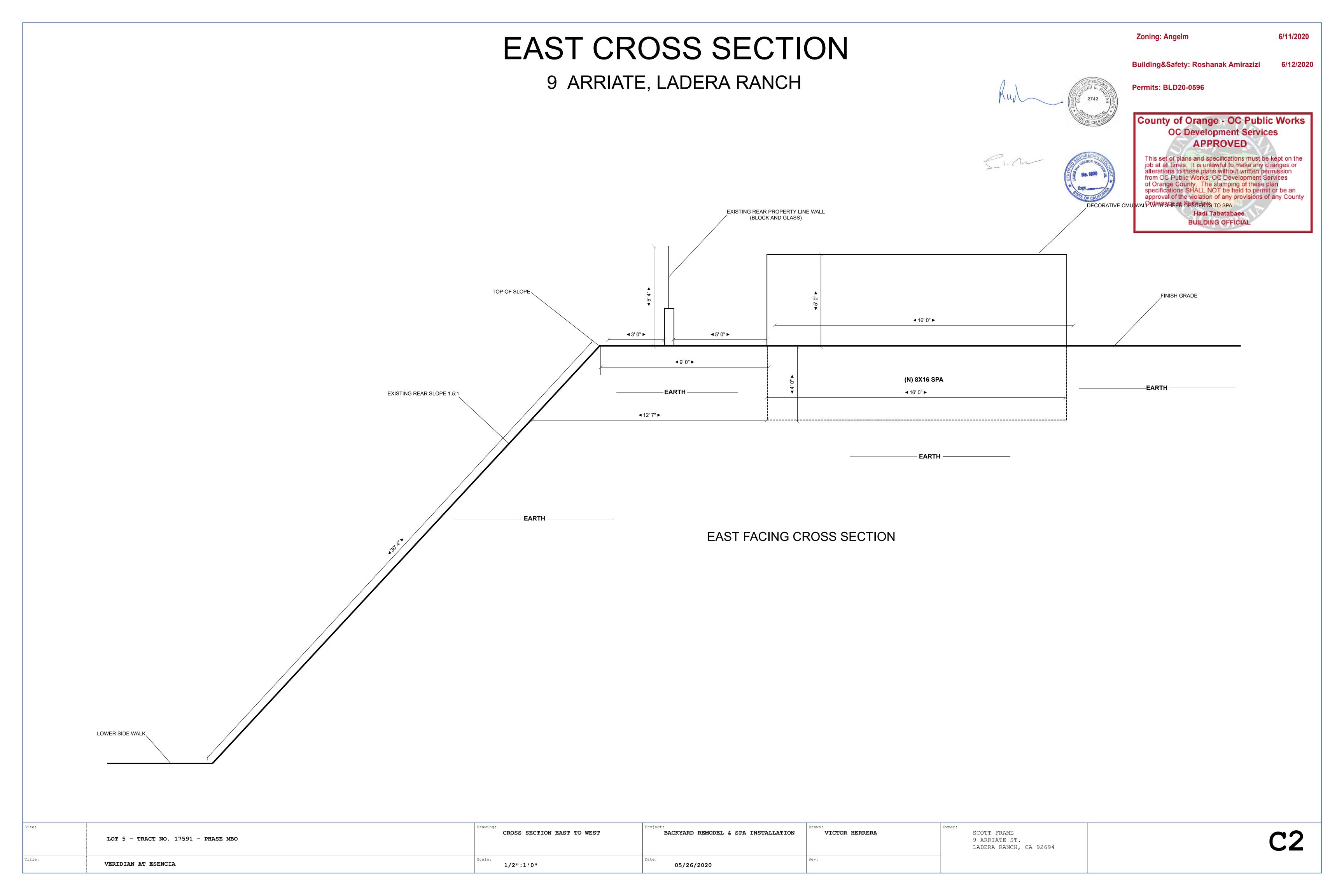
Site:		Drawing:	Project:	Drawn:	Owner:	
	LOT 5 - TRACT NO. 17591 - PHASE MBO	CROSS SECTION NORTH TO SOUTH	BACKYARD REMODEL	VICTOR HERRERA	SCOTT FRAME 9 ARRIATE ST.	
					LADERA RANCH, CA 92694	

05/26/2020

Scale:

1/2":1'0"

VERIDIAN AT ESENCIA



# EROSION AN SEDIMENT CONTROL PLAN SEDIMENT CO

**Building&Safety: Roshanak Amirazizi** 

Ordinance or State law.

County of Orange - OC Public Works

**OC Development Services** 

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**BUILDING OFFICIAL** 

approval of the violation of any provisions of any County

APPROVED

Permits: BLD20-0596

16331 CONSTRUCTION CIR E **IRVINE, CA 92606** (949) 379-0469

PROPERTY DESCRIPTION:

2 STORY SINGLE FAMILY RESIDENCE

**LEGAL DESCRIPTION:** 

TRACT NO. 17581 PHASE MBO

VIRIDIAN AT ESCENCIA

CITY: LADERA RANCH

COUNTY: ORANGE

STATE: CALIFORNIA

LOT: 5,636 SQUARE FEET

PROPERTY INFORMATION:

SCOTT FRAME

9 ARRIATE ST, LADERA RANCH, CA 92614

RESPONSIBILITY TO ENSURE FULL COMPLIANCE AND IMPLEMENTATION ALL ITS ELEMENTS, INCLUDING ELIMINATION OF ALL UNAUTHORIZED DISCHARGES, RESTS WITH:

VICTOR HERRERA (949) 379-0469

RESPONSIBILITY FOR PRESTORM, POST STORM AND STORM EVENT BMP INSPECTIONS RESTS

VICTOR HERRERA (949( 379-0469

The discharge of any pollutants to any storm drainage systems is prohibited. No solid waste, petroleum byproducts, soil particulates, construction waste materials or waste water generated on construction sites or by construction activities shall be placed, conveyed or discharged into

INDEX OF SHEETS

ES1 = EROSION & SEDIMENT CONTROL TITLE PAGE

EC1 = EROSION CONTROL SITE PLAN

the street, gutter or drain system.

BM1 = EROSION CONTROL BEST MANAGEMENT PRACTICES

VICTOR HERRERA (949) 379-0469

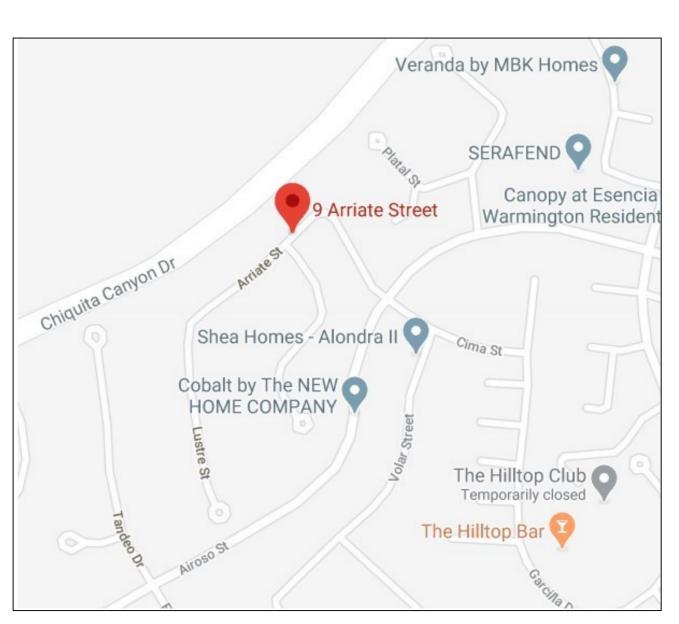
aomegacompany@gmail.com

# BACKYARD REMODEL AND NEW SPA INSTALLATION



Laguna Beach Laguna Nigue

**LOCATION MAP** 



**VICINITY MAP** 

### **PublicWorks NPDES Notes** Notes must be shown as worded, on the title sheet of the plan. In the case of emergency, call Sediment from areas disturbed by construction shall be retained on site using structural controls to the maximum extent practicable. Stockpiles of soil shall be properly contained to minimize sediment transport from the site to streets, drainage facilities or adjacent Appropriate BMP's for construction-related materials, wastes, spills shall be implemented to minimize transport from the site to streets, drainage facilities, or adjoining properties by wind or runoff. Runoff from equipment and vehicle washing shall be contained at construction sites unless treated to reduce or remove sediment All construction contractor and subcontractor personnel are to be made aware or the required best management practices and good housekeeping measures for the project site and any associated construction staging areas. At the end of each day of construction activity all construction debris and waste materials shall be collected and properly disposed Construction sites shall be maintained in such a condition that an anticipated storm does not carry wastes or pollutants off the site. Discharges of material other than stormwater only when necessary for performance and completion of construction practices and where they do not: cause or contribute to a violation of any water quality standard; cause or threaten to cause pollution contamination, or nuisance; or contain a hazardous substance in a quantity reportable under Federal Regulations 40 CFR Parts 117 Potential pollutants include but are not limited to: solid or liquid chemical spills; wastes from paints, stains, sealants, glues, limes, pesticides, herbicides, wood preservatives and solvents; asbestos fibers, paint flakes or stucco fragments; fuels, oils, lubricants, and hydraulic, radiator or battery fluids; fertilizers, vehicle/equipment wash water and concrete wash water; concrete, detergent or floatable wastes; wastes from any engine/equipment steam cleaning or chemical degreasing and super chlorinated potable water line flushing. During construction, permittee shall dispose of such materials in a specified and controlled temporary area on-site, physically separated from potential stormwater runoff, with ultimate disposal in accordance with local, state and federal 10. Dewatering of contaminated groundwater, or discharging contaminated soils via surface erosion is prohibited. Dewatering of noncontaminated groundwater requires a National Pollutant Discharge Elimination System Permit from the respective State Regional

11. Graded areas on the permitted area perimeter must drain away from the face of slopes at the conclusion of each working day.

12. The permittee and contractor shall be responsible and shall take necessary precautions to prevent public trespass onto areas where

14. The permittee shall notify all general contractors, subcontractors, material suppliers, lessees, and property owners: that dumping of

15. Equipment and workers for emergency work shall be made available at all times during the rainy season. Necessary materials shall be available on site and stockpiled at convenient locations to facilitate rapid construction of temporary devices when rain is

16. All removable erosion protective devices shall be in place at the end of each working day when the 5-Day Rain Probability Forecast

controls to the maximum extent practicable, and stockpiles of soil shall be properly contained to minimize sediment transport from

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ocpCustomerCare@ocpw.ocgov.com

17. Sediments from areas disturbed by construction shall be retained on site using an effective combination of erosion and sediment

18. Appropriate BMPs for construction-related materials, wastes, spills or residues shall be implemented and retained on site to

the site to streets, drainage facilities or adjacent properties via runoff, vehicle tracking, or wind.

minimize transport from the site to streets, drainage facilities, or adjoining property by wind or runoff.

13. The permittee and contractor shall inspect the erosion control work and insure that the work is in accordance with the approved

Drainage is to be directed toward desilting facilities.

chemicals into the storm drain system or the watershed is prohibited.

impounded water creates a hazardous condition.

exceeds 40%.

300 N. Flower Street, Santa Ana, CA 92703

P.O. Box 4048, Santa Ana, CA 92702-4048

Revised 10/2015

### Site Management Requirements

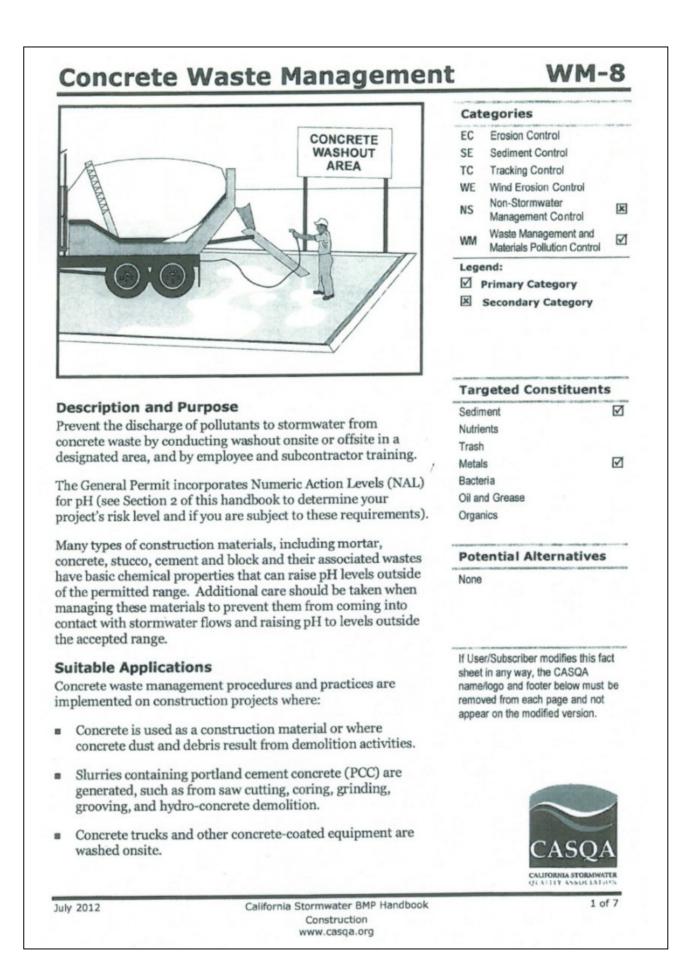
- A. Wind erosion BMPs (dust control) shall be implemented.
- B. Sediment control BMPs shall be installed and maintained at all operational storm drain inlets.
- C. BMPs to control off-site sediment tracking shall be implemented and maintained.
- D. Appropriate waste management and materials pollution control BMPs shall be implemented to prevent the contamination of storm water by wastes and construction materials.
- E. Appropriate non-storm water BMPs shall be implemented to prevent the contamination of storm water from construction activities.
- F. There shall be a "weather triggered" action plan and the ability to deploy standby sediment control BMPs as needed to completely protect the exposed portions of the site within 48 hours of a predicted storm event (a predicted storm event is defined as a forecasted, 50% chance of rain).
- G. Sufficient materials needed to install standby sediment control BMPs (at the site perimeter, site slopes and operational inlets within the site) necessary to prevent sediment discharges from exposed portions of the site shall be stored on site. Areas that have already been protected from erosion using physical stabilization or established vegetation stabilization BMPs as described in item H below are not considered to be "exposed" for purposes of this requirement.
- H. Deployment of permanent erosion control BMPs (physical or vegetation) should commence as soon as practical on slopes that are completed for any portion of the site. Standby BMP materials should not be relied upon to prevent erosion of slopes that have been completed

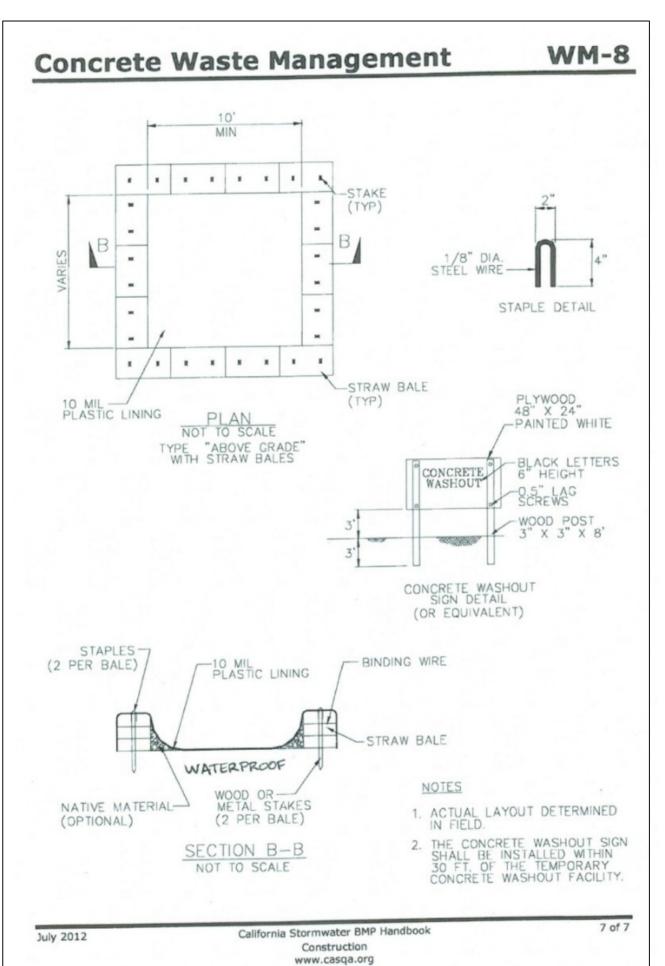
LOT 5 - TRACT NO. 17591 - PHASE MBO BACKYARD REMODEL & SPA INSTALLATION VICTOR HERRERA EROSION TITLE PAGGE SCOTT FRAME 9 ARRIATE ST. VERIDIAN AT ESENCIA LADERA RANCH, CA 92694 5/26/2020

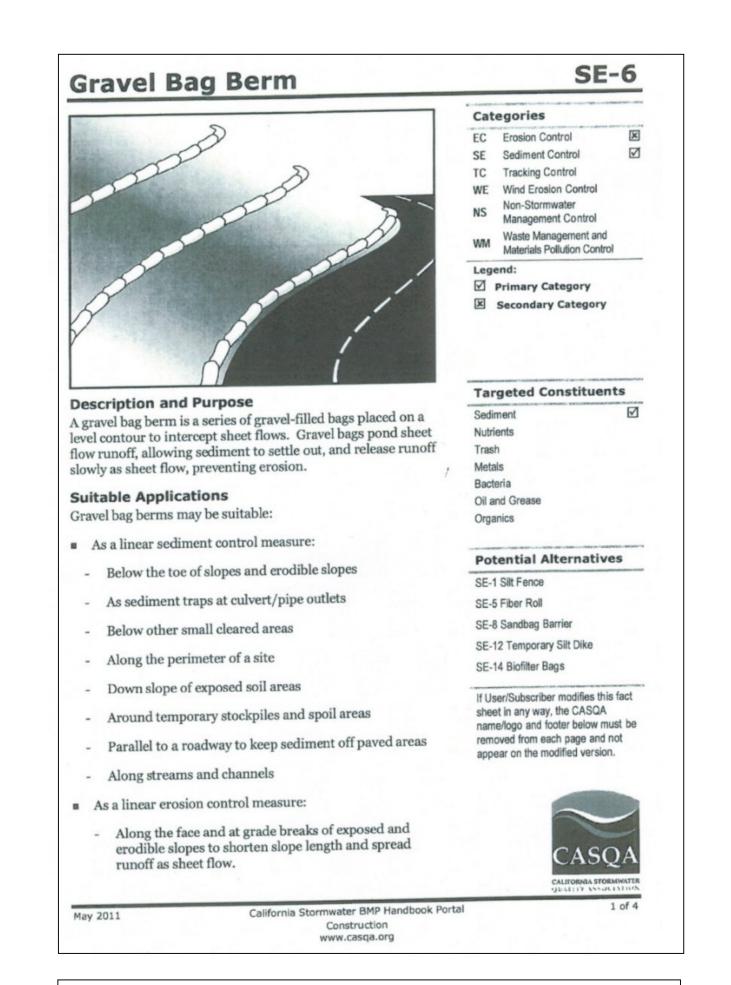
# Zoning: Angelm 6/11/2020 EROSION CONTROL SITE PLAN **Building&Safety: Roshanak Amirazizi** 6/12/2020 9 ARRIATE ST, LADERA RANCH, CA 92694 Permits: BLD20-0596 County of Orange - OC Public Works **OC Development Services** 5' PROPERTY LINE WALL **APPROVED ∢** 115' 0" **▶** from OC Public Works, OC Development Services of Orange County. The stamping of these plan specifications SHALL NOT be held to permit or be an approval of the violation of any provisions of any County FIBER ROutdinance or State law. 5' PROPERTY LINE WALL **EQUIPMENT STORAGE—** - 5' BLOCK WALL **BUILDING OFFICIAL** Covered Entry Walkway FIBER ROLL FIBER ROLL (E) CALIFORNIA PATIO ROOM **∢** 17' 0" ► 5' PROPERTY LINE WALL— **FIBER ROLL** PROPOSED PROJECT AREA (E) HOUSE STREET \_\_\_\_\_\_ **∢**31′6″► (E) DRIVEWAY (E) GARAGE **CONCRETE WASH OUT AREA** FIBER ROLL **GRAVEL BAGS FIBER ROLL** (E) GATE -----FIBER ROLL — CONSTRUCTION ENTRANCE FIBER ROLL— 5' PROPERTY LINE WALL i..\_/..\_...i SOIL STOCKPILES TO BÉ LOCATED ON PAD & COVERED DURING 5' PROPERTY LINE WALL RAIN EVENTS SERAFEND NORTH Shea Homes - Alondra II Cobalt by The NEW HOME COMPANY **VICINITY MAP** Project: EROSION CONTROL SITE PLAN SCOTT FRAME BACKYARD REMODEL & SPA INSTALLATION VICTOR HERRERA 9 ARRIATE ST LOT 5 - Tract No. 17591 - Phase MBO LADERA RANCH, CA 92694 562-304-6460 VIRIDIAN AT ESCENCIA 1/4":1'0" 05/26/2020

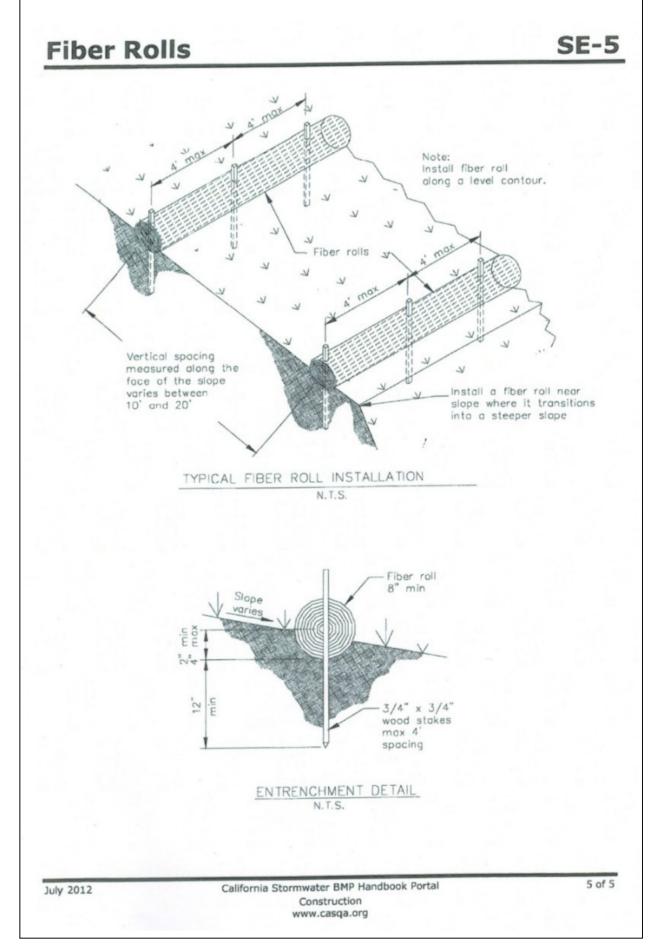
# EROSION CONTROL BEST MANAGEMENT PRACTICES

# 9 ARRIATE, LADERA RANCH











6/11/2020

6/12/2020

Permits: BLD20-0596

ATTACHMENT 4

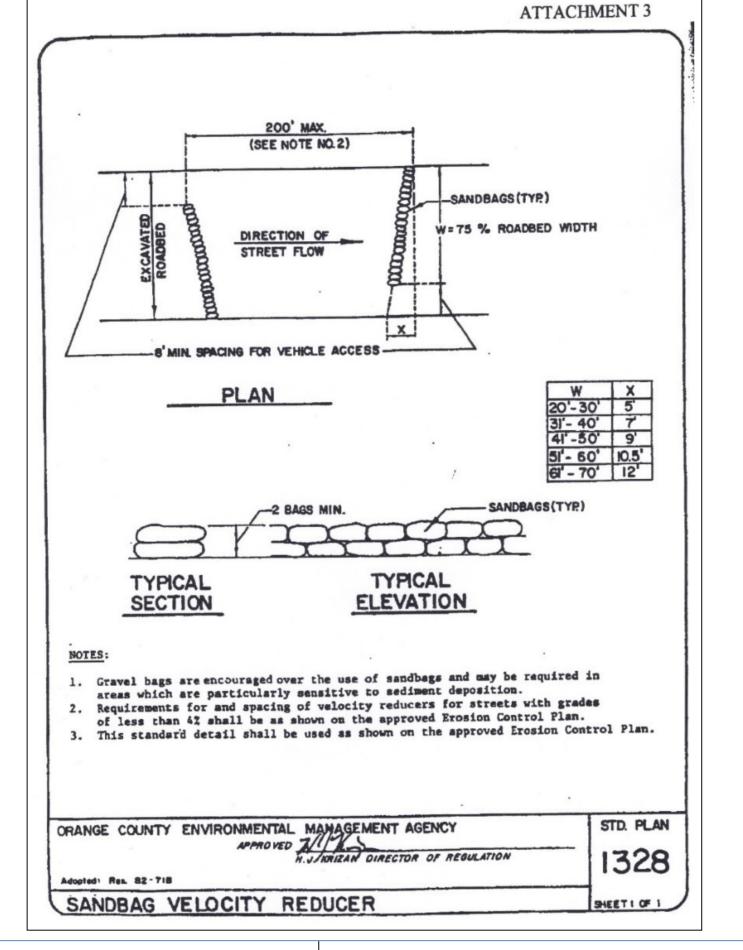
**OC Development Services** APPROVED This set of plans and specifications must be kept on the This set of plans and specifications must be kept on the job at all times. It is unlawful to make any changes or alterations to these plans without written permission from OC Public Works, OC Development Services of Orange County. The stamping of these plan specifications SHALL NOT be held to permit or be an approval of the violation of any provisions of any County Orderance or State law.

County of Orange - OC Public Works

**Building&Safety: Roshanak Amirazizi** 

STD. PLAN ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY

Adopted: Res. 82-718 TEMPORARY DRAINAGE INLET



SCOTT FRAME