

**American River Flood Control District
Central Valley Flood Protection Board Permit Application
5732 Coda Lane**

Staff Report

Discussion:

The parcel owner at 5732 Coda Lane in Carmichael California seeks to obtain an encroachment permit to perform a home remodel and install a swimming pool at a parcel within the American River Floodway. The parcel is on the water side of the American River North Levee upstream of Arden Way.

The application includes work to make additions to residential structure and install a swimming pool within the floodway. The structure will remain at the same elevation as it is currently and neither the structure nor the proposed pool will encroach into the waterside setback zone of the levee. The proposed features will not impact the integrity of the levee nor impact operations and maintenance activities of the District.

Recommendation:

The General Manager recommends that the Board of Trustees endorse the permit application.

**APPLICATION FOR A CENTRAL VALLEY FLOOD PROTECTION BOARD
ENCROACHMENT PERMIT**

RECEIVED AUG 21 2019
by Elizabeth

Signed
APP

Application No. _____
(For Office Use Only)

1. Description of proposed work being specific to include all items that will be covered under the issued permit.

Addition to front of house. Smaller addition to living space & large new porch. Plus swimming pool.

2. Project Location: Sacramento County, in Section _____
Township: _____ (N) (E)
(S), Range: _____ (W), M. D. B. & M.
Latitude: _____ Longitude: _____
Stream: _____, Levee: _____ Designated Floodway: _____
APN: _____

3. Mark L. Ludwig Revocable Trust of 5732 Coda Ln.
Name of Applicant / Land Owner Address
Carmichael CA 95608 (415) 946-4736
City State Zip Code Telephone Number
E-mail: markludwig@mindspring.com

4. _____ of _____
Name of Applicant's Representative Company
City State Zip Code Telephone Number
E-mail

5. Endorsement of the proposed project from the Local Maintaining Agency (LMA):

We, the Trustees of _____ approve this plan, subject to the following conditions:
Name of LMA

- Conditions listed on back of this form
- Conditions Attached
- No Conditions

Trustee _____ Date _____ Trustee _____ Date _____
Trustee _____ Date _____ Trustee _____ Date _____

APPLICATION FOR A CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMIT

6. Names and addresses of adjacent property owners sharing a common boundary with the land upon which the contents of this application apply. If additional space is required, list names and addresses on back of the application form or an attached sheet.

Name	Address	Zip Code
Jackson Angle	5740 Coda Ln. Carmichael CA 95608	
Mark Laoher	5724 Coda Ln. Carmichael CA 95608	

7. Has an environmental determination been made of the proposed work under the California Environmental Quality Act of 1970? Yes No Pending


If yes or pending, give the name and address of the lead agency and State Clearinghouse Number:

SCH No. _____

8. When is the project scheduled for construction? in progress

9. Please check exhibits accompanying this application.

- A. Regional and vicinity maps showing the location of the proposed work.
- B. Drawings showing plan view(s) of the proposed work to include map scale.
- C. Drawings showing the cross section dimensions and elevations (vertical datum?) of levees, berms, stream banks, flood plain,
- D. Drawings showing the profile elevations (vertical datum?) of levees, berms, flood plain, low flow, etc.
- E. A minimum of four photographs depicting the project site.


 Signature of Applicant 8/21/19
 Date

Include any additional information:

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

This environmental assessment questionnaire must be completed for all Central Valley Flood Protection Board applications. Please provide an explanation where requested. Incomplete answers may result in delays in processing permit applications. Failure to complete the questionnaire may result in rejection of the application.

- 1. Has an environmental assessment or initial study been made or is one being made by a local or State permitting agency in accordance with the California Environmental Quality Act? Yes No
If yes, identify the Lead Agency, type of document prepared or which will be prepared, and the State Clearinghouse Number:

- 2. Will the project require certification, authorization or issuance of a permit by any local, State or federal environmental control agency? Yes No

List all other governmental permits or approvals necessary for this project or use, including U.S. Army Corps of Engineer' 404 and Section 10 permits, State Water Quality Certification, Department of Fish and Game 1600 agreement, etc. Attach copies of all applicable permits.

Sacramento County

- 3. Give the name and address of the owner of the property on which the project or use is located. Please submit a copy of your current Title Report (Grant Deed), if your proposed project includes a private residence.

attached

- 4. Will the project or use require issuance of a variance or conditional use permit by a city or county?

Yes No
Explain:

- 5. Is the project or use currently operating under an existing use permit issued by a local agency?

Yes No
Explain:

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS
FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

Item 6

6. Describe all types of vegetation growing on the project site, including trees, brush, grass, etc.

primarily lawn & small trees

7. Describe what type of wildlife or fish may use the project site or adjoining areas for habitat, food source, nesting sites, source of water, etc.

birds & squirrels.

8. Has the Department of Fish and Game, U.S. Fish and Wildlife Service, or National Marine Fisheries Service been consulted relative to the existence of, or impacts to, threatened or endangered species on or near the project site?

Yes No

Explain:

9. Will the project or use significantly change present uses of the project area?

Yes No

Explain:

10. Will the project result in changes to scenic views or existing recreational opportunities?

Yes No

Explain:

11. Will the project result in the discharge of silt or other materials into a body of water?

Yes No

Explain:

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS
FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

Item 6

12. Will the project involve the application, use, or disposal of hazardous materials? Yes No
If yes, list the types of materials, proposed use, and disposal plan. Provide copies of all applicable hazardous material handling plans.

13. Will construction activities or the completed project generate significant amounts of noise?
 Yes No
Explain:

14. Will construction activities or the completed project generate significant amounts of dust, ash, smoke, fumes, or odors?
 Yes No
Explain:

15. Will the project activities or uses involve the burning of brush, trees, or construction materials, etc?
 Yes No
Explain, and identify safety and air pollution control measures:

16. Will the project affect existing agricultural uses or result in the loss of existing agricultural lands?
 Yes No
Explain:

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS
FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

Item 6

17. Have any other projects similar to the proposed project been planned or completed in the same general area as the proposed project?

Yes No

Explain and identify any other similar projects:

property next door (Lasher)

18. Will the project have the potential to encourage, facilitate, or allow additional or new growth or development?

Yes No

Explain:

19. Will materials be excavated from the floodplain? Yes No If yes, please answer the remaining questions.

THE REMAINING QUESTIONS MUST ONLY BE ANSWERED IF THE ANSWER TO QUESTION NO. 19 WAS "YES". IF THE ANSWER TO QUESTION NO. 19 WAS "NO", YOU DO NOT NEED TO COMPLETE THE REMAINING QUESTIONS.

A. What is the volume of material to be excavated?

Annually _____ Total _____

B. What types of materials will be excavated?

C. Will the project site include processing and stockpiling of material on site?

Yes No

Explain:

D. What method and equipment will be used to excavate material?

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE FOR APPLICATIONS Item 6
FOR CENTRAL VALLEY FLOOD PROTECTION BOARD ENCROACHMENT PERMITS

E. What is the water source for the project?

F. How will waste materials wash water, debris, and sediment be disposed of?

G. What is the proposed end land use for the project site?

H. Has a reclamation plan been prepared for this site in accordance with the Surface Mining and Reclamation Act of 1975?

Yes No If yes, please attach a copy.

RECORDING REQUESTED BY:
Stewart Title of Sacramento

AND WHEN RECORDED MAIL TO:

Mr. and Mrs. Mark L. Ludwig
5732 Coda Lane
Carmichael, CA 95608

CERTIFIED TO BE A TRUE COPY
RECORDED 8-1-18
BOOK 208080 / PAGE 582
SERIES No. _____
STEWART TITLE OF SACRAMENTO
BY [Signature]

THIS SPACE FOR RECORDER'S USE ONLY:

Title Order No.:
AP#: 283-0280-035

GRANT DEED

Escrow No.: SO-01032895-LR

THE UNDERSIGNED GRANTOR(S) DECLARE(S)

DOCUMENTARY TRANSFER TAX is \$2,035.00

Exempt from fee per GC 27388.1 (a) (2); recorded concurrently "in connection with" a transfer subject to the imposition of documentary transfer tax.

computed on full value of property conveyed, or
 computed on full value less value of liens or encumbrances remaining at time of sale.
 Unincorporated area City of **AND**

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged,

Steven C. Gabaeff, Trustee, or his successors in trust, under the Steven C. Gabaeff Living Trust, dated June 2, 2016

hereby GRANT(s) to:

Mark Lawrence Ludwig and Debby Rogers Ludwig aka Deborah Rogers Ludwig, Trustees of the Mark Lawrence Ludwig Revocable Trust, originally dated October 30, 1998, amended April 12, 2010

the real property in the County of Sacramento, State of California, described as:

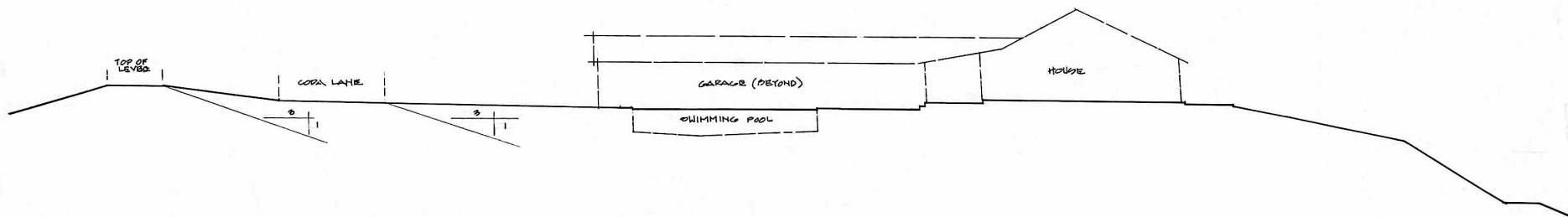
LEGAL DESCRIPTION ATTACHED HERETO AS EXHIBIT "A" AND MADE A PART HEREOF

Also Known as: 5732 Coda Lane, Carmichael, CA 95608

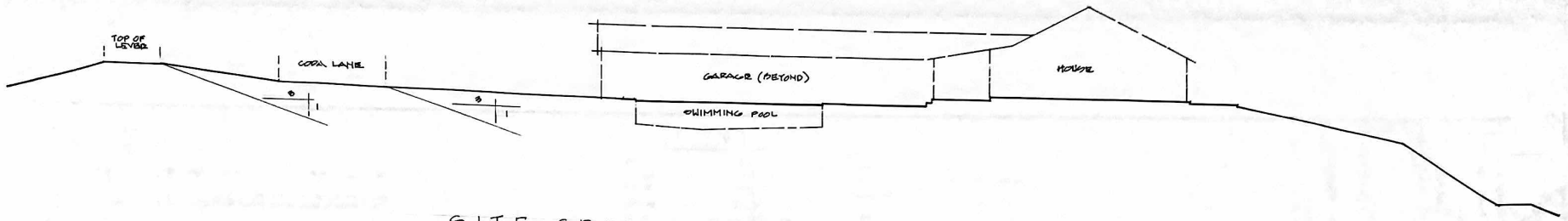
DATED: July 26, 2018

Signature Page attached hereto
and made a part hereof

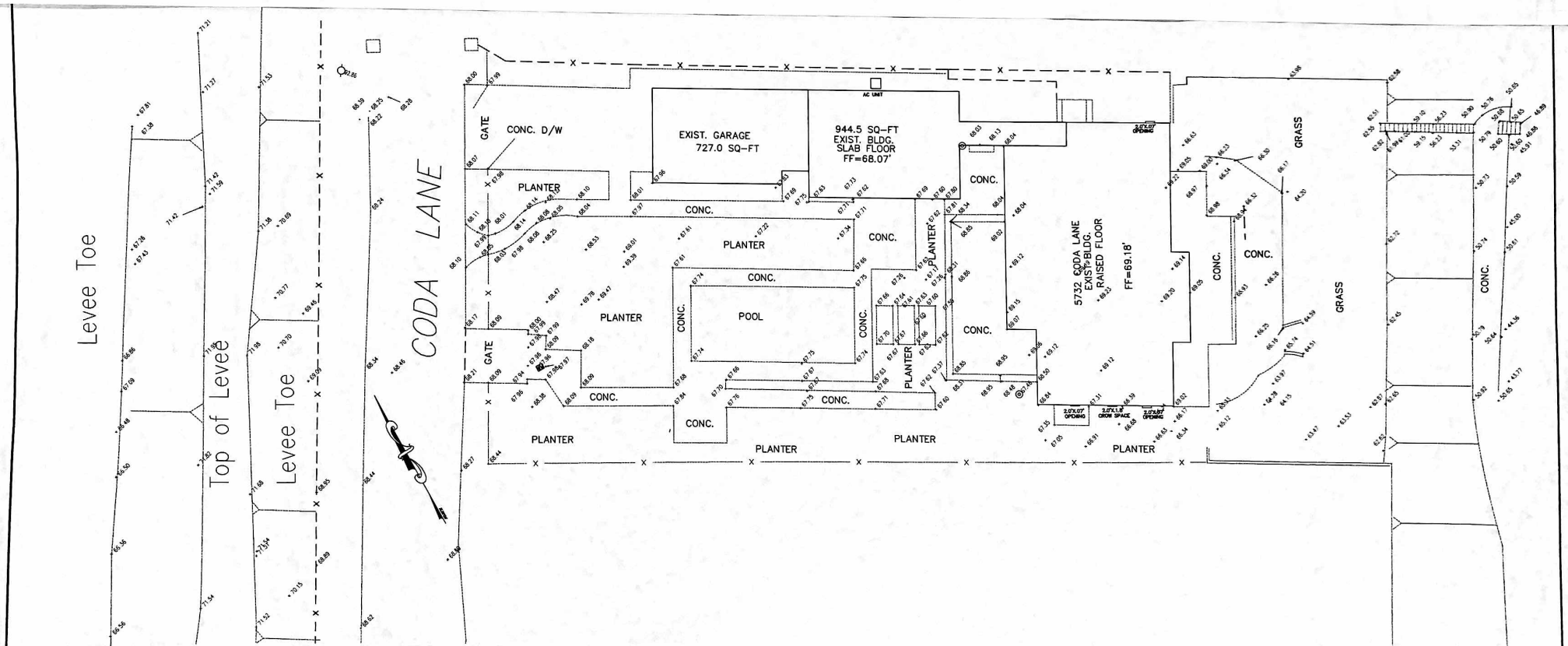
MAIL TAX STATEMENTS TO PARTY SHOWN ABOVE:



SITE CROSS-SECTION 5732 CODA LANE
SCALE 1" = 10'-0" (HORIZ. & VERT.)



SITE CROSS-SECTION 5732 CODA LANE
SCALE 1" = 10'-0" (HORIZ. & VERT.)



BENCHMARK ELEV. 118.17
 MAKE: 7/8" METAL DISC STAMPED "C"
 IN 1/4" DIA. LOCATED IN TOP OF CURB
 CENTER OF CURB RETURN SOUTHWEST
 CORNER OF GARFIELD AVE. & ROBERTSON
 AVE.
 FIELD BOOK NO. PG.

JTS ENGINEERING CONSULTANTS, INC.
 1808 J STREET
 SACRAMENTO CALIFORNIA 95811 (916) 441-8708

DESIGNED: N/A
 DRAWN:
 CHECKED:
 SUBMITTED: RCE/LS
 SCALE: 1"=10'

NO	DATE	REVISION	APPROVAL	BY

TOPOGRAPHIC SURVEY
5732 CODA LANE
 Page 10
 COUNTY OF SACRAMENTO
 APN: 283-0280-035

DATE: AUG. 2019
 SHEET 1 OF 1

A GEREMIA POOL FOR

NAME: LUDWIG RESIDENCE
 JOB ADDRESS: 5732 CODA LANE
 CITY: CARMICHAEL CA 95608
 RES. PH. _____ CELL PH. _____
 BLDG. DEPT. SAC AP. _____
 DESIGNER: MIKE BUTLER DATE: 11-10-18

GENERAL SPECIFICATIONS
 1. POOL SHAPE: RECTANGLE GALLONS: 24,767
 2. SIZE: 17' x 37' DEPTH: 3'-7 1/2"
 3. SURFACE AREA: 629 SQ. FT. PERIMETER: 108' LF.

EXCAVATION
 4. WIDTH: 8' TRACTOR SIZE: 7'
 5. FENCE: _____ SECTIONS REMOVED BY: _____
 6. FENCE: _____ SECTIONS REPLACED BY: _____
 7. SITE PREP: 3 CONC. REM: 240
 8. DEBRIS REMOVAL: LAWN
 9. MISC: _____

STEEL AND SHOTCRETE
 10. SCHEDULE: NORMAL SURCHARGE: NO
 11. SHALLOW END STEPS: 5B' SWIM OUT: 1
 12. _____
 13. _____

PLUMBING
 14. GAS LINE: NO LF. OF: _____ OTHER: _____
 15. _____
 16. FILL LINE: 77 LF. 3/4" AUTO FILL: YES
 17. _____
 18. _____

ELECTRICAL
 19. CONTROLS: EASY TOUCH #4
 20. REMOTE: PENTAIR QUICK TOUCH #4
 21. UNDERWATER LIGHTING: _____

EQUIPMENT
 22. FILTER: STARITE SYSTEM #3-450
 23. FILTER PUMP: INTELLI PRO VSF
 24. DOUBLE MAIN DRAINS W/ HYDROSTATIC RELIEF TUBE
 25. SPONGER: 1 ADJ. RETURN: 3
 26. CLEANING SYSTEM: PENTAIR RACER

27. HEATER: _____
 28. POOL COVER: _____
 29. PURIFICATION SYSTEM: _____
 30. _____
 31. _____
 32. _____
 33. BOOSTER PUMP: _____

TILE
 34. 1 ROW AT WATERLINE: STD.
 35. GROUT COLOR: TBS STEP TILE: 5G
 36. ADDL. TILE: _____

MASONRY
 37. COPING: _____
 38. _____
 39. _____
 40. _____
 41. _____
 42. GROUT COLOR: _____

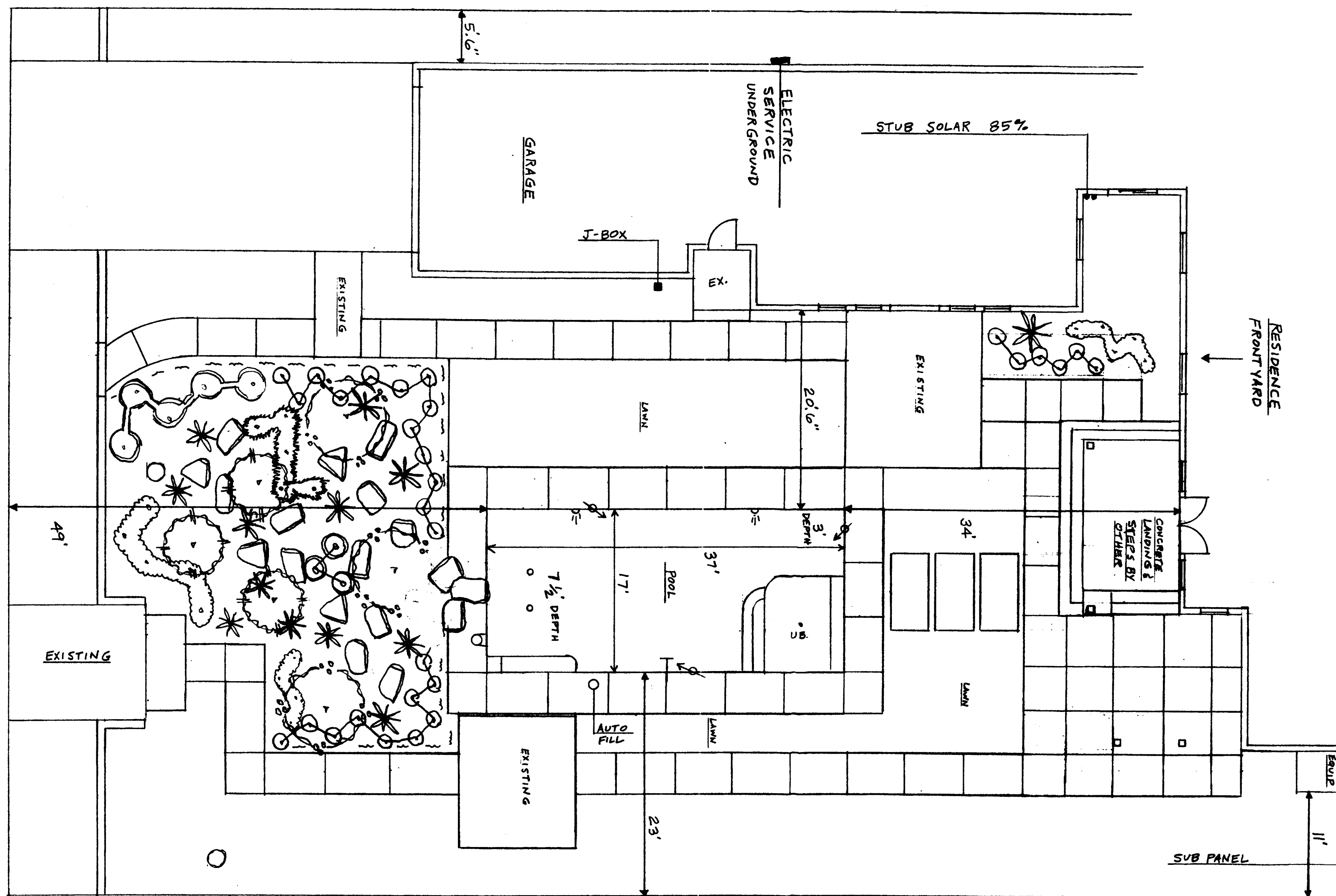
DECKING
 43. 1870 SQ. FT. OF: BROOM FINISH
 44. CONCRETE BASE COLOR: _____
 45. STAMPED RELEASE COLOR: _____
 46. STAMPED PATTERN: _____
 47. BRUSHED CANTILEVER: YES
 48. LID COLOR: _____ TILE STRIP: _____
 49. FOUR LIDS: _____
 50. CHANNEL DRAIN: 2" LF 16'
 51. RISERS: _____

SPA
 52. SURFACE AREA: _____ PERIMETER: _____ LF.
 53. THERAPY JETS: _____ TYPE: _____
 54. BOOSTER PUMP: _____
 55. LIGHT: _____ COVER: _____
 56. SPA SIDE CONTROL: _____

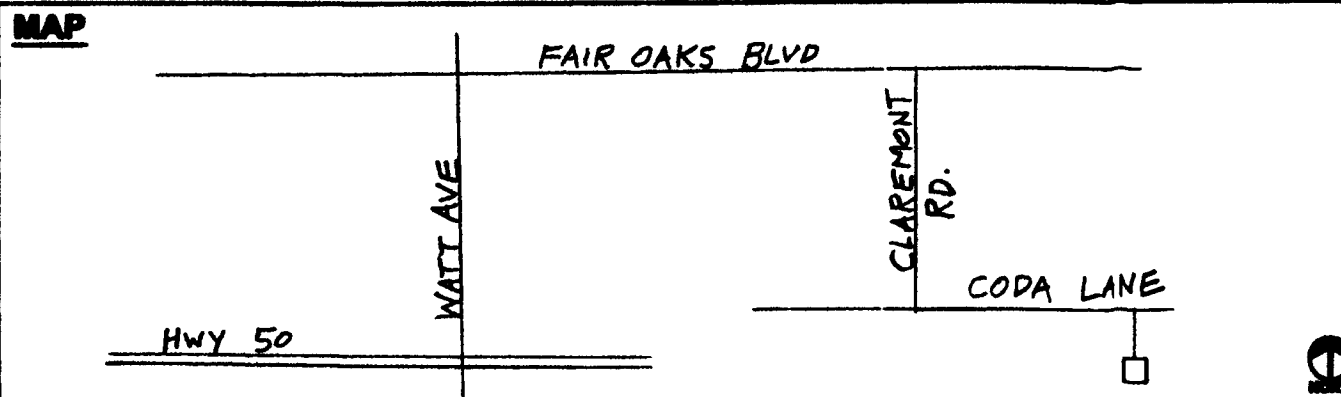
INTERIOR FINISH
 57. TYPE: HYDRAZZO BELLA
 58. COLOR: AZURE
 59. _____
 60. LOGO TILE: _____
 61. COLOR OF MAIN DRAIN FITTINGS: TBS

SOLAR
 62. TYPE: FAFCO SUNSAVER COVERAGE: 85%
 63. BOOSTER PUMP: _____
 64. PLUMBING: 90' RUN

MISC.
 65. MOSS ROCK BOULDER BUILT INTO LANDSCAPE COST.
 66. _____
 67. (*18 BOULDERS = 9-TON)
 68. _____
 69. _____
 70. _____
 71. 1-UMBRELLA SLEEVE



POOL PLAN
 SCALE: 1/8" = 1'-0"
 UNLESS OTHERWISE NOTED



BUYER'S RESPONSIBILITIES:

- WET DOWN SHOTCRETE A MINIMUM OF TWICE A DAY FOR 7 DAYS.
- FENCES TO MEET LOCAL CODES: GATES TO BE SELF-CLOSING AND SELF-LATCHING.
- DO NOT TURN POOL LIGHT ON WHEN POOL IS EMPTY.
- FILL POOL WITH WATER (PER CONTRACT).
- BRUSH DOWN PLASTER WHEN POOL IS FILLED A MINIMUM OF TWICE A DAY FOR 10 DAYS.
- CLEAN FILTER ONCE ALL PLASTER DUST IS REMOVED.
- DRAINAGE AND GRADING OF SOIL BEYOND POOL SITE UNLESS PROVIDED FOR BY CONTRACT.
- INSTALL DOOR ALARMS ON ALL EXITS TO POOL AREA WHICH MEET OR EXCEED BARBER CODE REQUIREMENTS.

I HEREBY APPROVE THIS PLAN LOCATION, ELEVATION, AND SHAPE AND AGREE NO VERBAL AGREEMENTS HAVE BEEN MADE OTHER THAN THOSE SPECIFIED IN THE CONTRACT, IN WRITING.

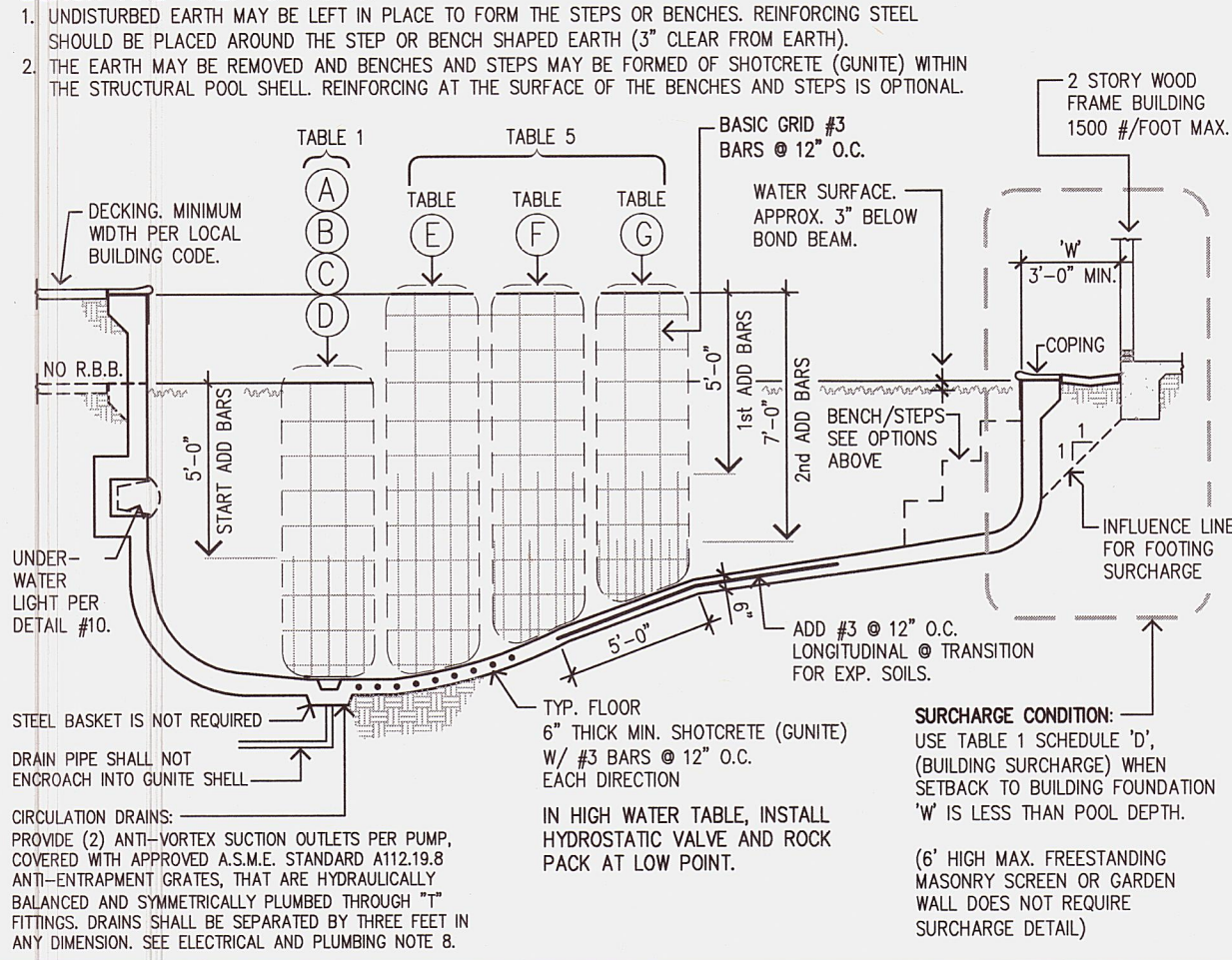
BUYER'S SIGNATURE _____
 BUYER'S SIGNATURE _____
 DATE: _____



7901 14TH AVENUE
 SACRAMENTO, CA 95826
 PH: (916) 914-7800
 FAX: (916) 914-7834
 (909) 489-9444
 (209) 365-1330
 WWW.GEREMIAPOOLS.COM

MEMBER MASTER POOLS GUILD
 CONTRACTOR LICENSE NO. 191888
 LICENSED ENGINEERING CONTRACTORS

BENCH AND STEP OPTIONS:



SLOPE EARTH SURFACE 1/4" PER FOOT OR SLOPE DECKING 1/8" TO 1/4" PER FOOT AWAY FROM POOL.

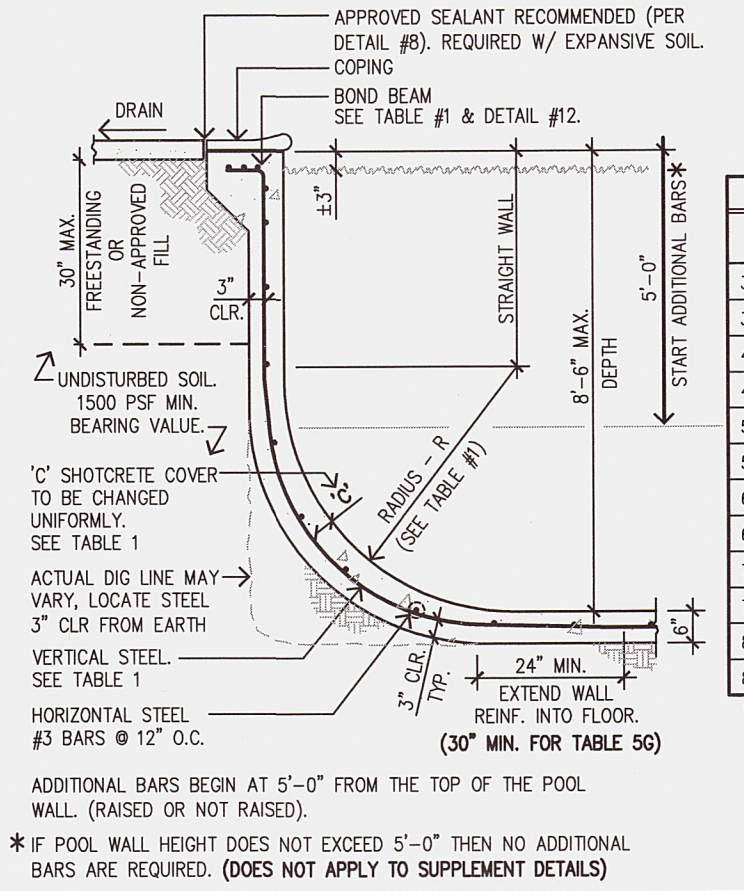


TABLE NO. 1: Reinforcement tables for non-expansive, expansive, and no deck/high exp. conditions. Includes columns for E.F.P., D, R, C, and various bar sizes.

GENERAL NOTES

- 1. THIS STANDARD POOL STRUCTURAL PLAN MUST BE ACCOMPANIED BY A CLEAR PLOT PLAN SHOWING PLOT & SPA SHAPE, DEPTH AND DISTANCE TO PROPERTY LINE, SLOPES AND STRUCTURES.
2. REPRESENTATIVES OF POOL ENGINEERING INC. HAVE NOT INSPECTED THE SITE & ARE RELYING ON INFORMATION PROVIDED BY THE CONTRACTOR OR OWNER TO DETERMINE THE ADEQUACY OF THIS STANDARD POOL STRUCTURAL PLAN FOR THE ACTUAL SITE CONDITIONS.

GLAZING IN HAZARDOUS LOCATIONS

- WHEN REQUIRED BY THE BUILDING OFFICIAL, GLAZING SHALL COMPLY WITH THE CBC SECTION 2406.4, INCLUDING LOCALLY APPLIED AMENDMENTS.
1. GLAZING IN WALLS AND FENCES USED AS A BARRIER SHALL BE SAFETY GLAZING WHEN ALL OF THE FOLLOWING CONDITIONS ARE PRESENT:

CONSTRUCTION SHOTCRETE INSPECTION

- WHERE REQUIRED ALL PNEUMATIC CONCRETE PLACEMENT SHALL BE INSPECTED BY A SPECIAL INSPECTOR IN CONFORMANCE WITH CBC SECTION 1704, WHO SHALL SUBMIT A STATEMENT INDICATING COMPLIANCE WITH THE PLANS AND SPECIFICATIONS.
TITLE 24
1. PUMPS SHALL BE SIZED PER SECTION 1506(a) OF THE 2016 BUILDING ENERGY EFFICIENCY STANDARDS.

FENCING AND BARRIERS

- 1. PRIOR TO FILLING, THE POOL AND OR SPA SHALL BE COMPLETELY ENCLOSED BY 5' MIN. HIGH FENCING & GATES WITH NO OPENINGS GREATER THAN 4". GATES TO BE SELF-CLOSING & SELF-LATCHING WITH LATCH A MIN. OF 5" HIGH. ACCESS GATES THROUGH FENCING SHALL OPEN AWAY FROM THE POOL. MAXIMUM VERTICAL CLEARANCE FROM GROUND TO POOL FENCING SHALL NOT EXCEED 2" INCHES, WHERE THIS VARIES FROM LOCAL CODES, THE LOCAL CODES SHALL PREVAIL.

CITY OF FREMONT SPECIAL NOTES

- THESE NOTES ARE ONLY APPLICABLE IN THE CITY OF FREMONT.
1. SEPARATE GRADING PERMIT IS REQUIRED FOR SWIMMING POOL INSTALLATION AT SLOPED SITE. GRADING PLAN SHALL BE PREPARED, STAMPED AND SIGNED BY A LICENSED CIVIL ENGINEER IN THE STATE OF CALIFORNIA.

CITY OF ROCKLIN SPECIAL NOTES

- THESE NOTES ARE ONLY APPLICABLE IN THE CITY OF ROCKLIN.
1. IN THE ABSENCE OF A SITE SPECIFIC SOILS INVESTIGATION, SWIMMING POOL AND SPA CONSTRUCTION SHALL CONFORM TO STANDARD POOL STRUCTURAL PLAN STEEL AND GUNITE SCHEDULES FOR HIGH EXPANSIVE SOIL WITH A MINIMUM SOIL EQUIVALENT FLUID PRESSURE OF 65 P.C.F. (SCHEDULES C AND G).

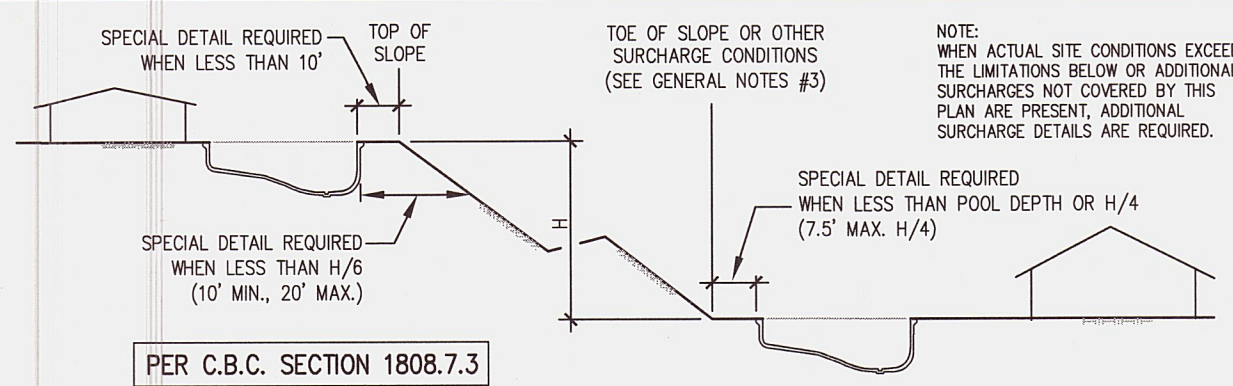
CITY OF SAN JOSE SPECIAL NOTES

- THESE NOTES ARE ONLY APPLICABLE IN THE CITY OF SAN JOSE.
1. ENGINEER TO SPECIFY TABLES AND DETAILS THAT APPLY TO A SPECIFIC JOB BY ONE OF THE FOLLOWING METHODS:
A. A SITE PLAN STAMPED AND SIGNED BY THE ENGINEER REFERRING TO THE APPROPRIATE DETAILS AND SCHEDULES.

CITY OF MANTECA SPECIAL NOTES

- NO FILL OR OTHER SURCHARGE LOADS SHALL BE PLACED ADJACENT TO ANY BUILDING OR STRUCTURE UNLESS SUCH BUILDING OR STRUCTURE IS CAPABLE OF WITHSTANDING THE ADDITIONAL LOADS CAUSED BY THE FILL OR THE SURCHARGE. EXISTING FOOTINGS OF FOUNDATIONS THAT WILL BE AFFECTED BY ANY EXCAVATION SHALL BE UNDERPINNED OR OTHERWISE PROTECTED AGAINST SETTLEMENT AND SHALL BE PROTECTED AGAINST DETRIMENTAL LATERAL OR VERTICAL MOVEMENT OR BOTH.

TYPICAL LONGITUDINAL SECTION



STANDARD WALL SECTION

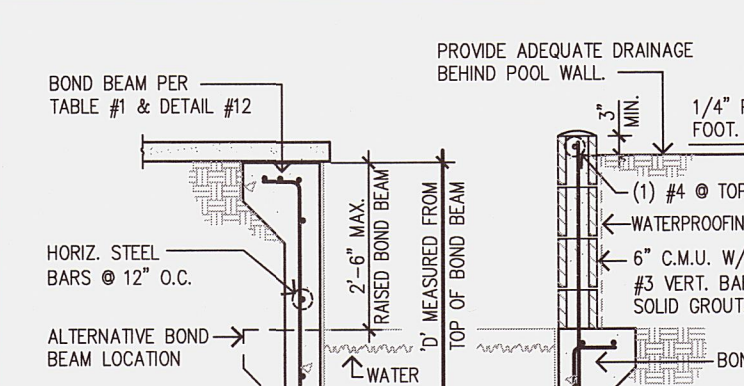
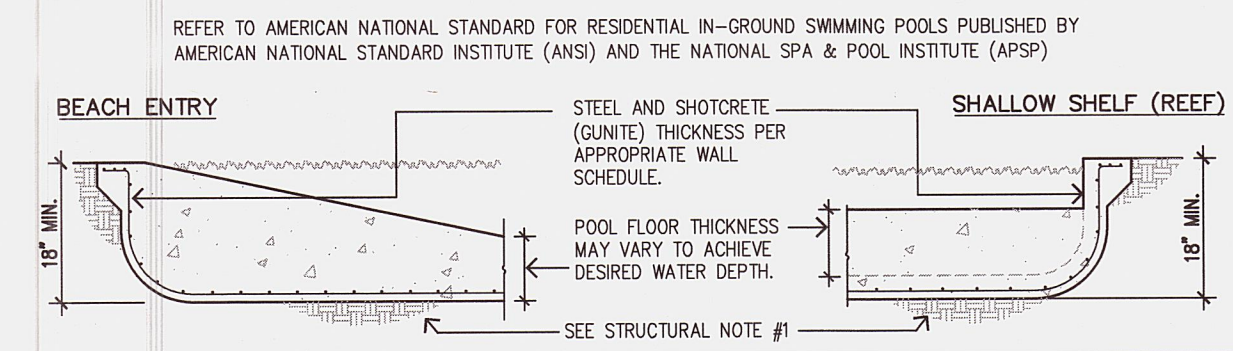


TABLE NO. 5 RAISED BOND BEAM

Table with columns for E.F.P., D, C, VERTICAL STEEL, and various bar sizes for non-expansive, expansive, and no deck/high exp. conditions.

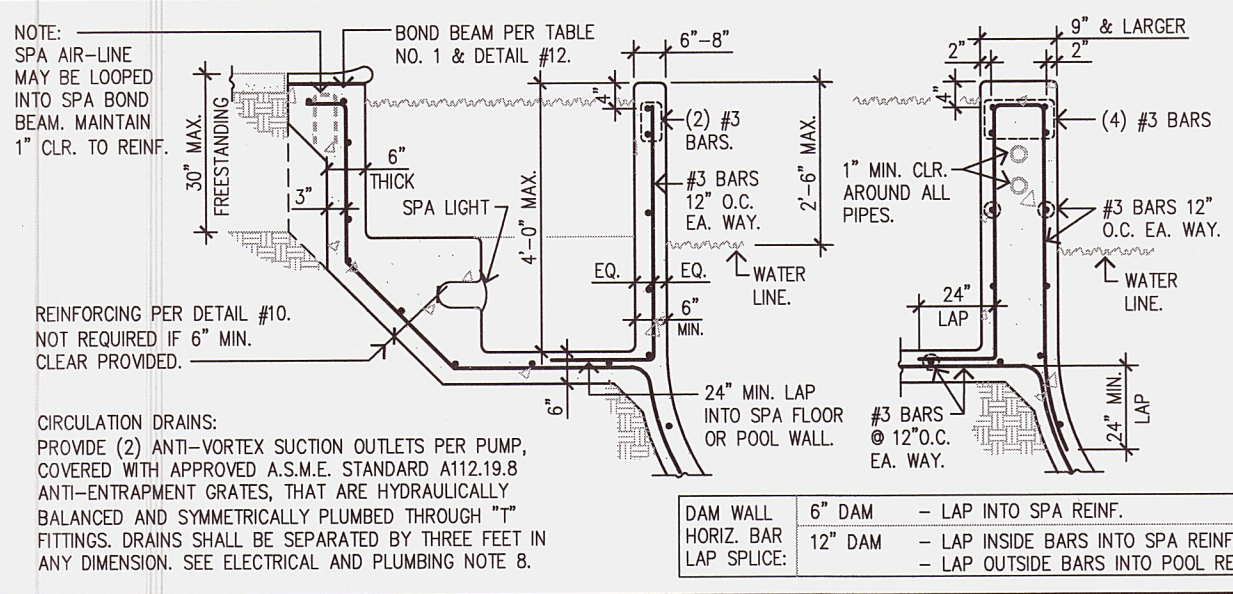
SURCHARGE CONDITIONS



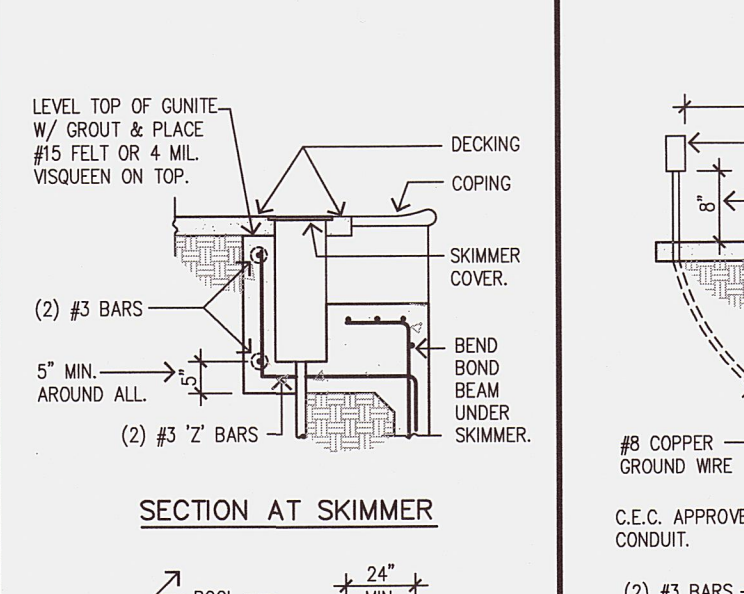
MASONRY NOTES:

- 1. CONCRETE BLOCK SHALL BE GRADE N (EXPOSED TO WEATHER), TYPE II (NON-MOISTURE CONTROLLED), NORMAL WEIGHT UNITS (135 P.S.F.), CONFORMING TO CBC/IBC SEC. 2103, AND ASTM C 90. ALL CONCRETE BLOCK SHALL HAVE A DESIGN STRENGTH OF f'm = 1500 PSI.
2. GROUT SHALL CONFORM TO CBC/IBC SEC. 2103 & ASTM C 476 WITH f_c = 2000 PSI. SEE CBC/IBC TABLE 2103.12 FOR PROPORTIONS OF INGREDIENTS.

SHALLOW FEATURES



RAISED BOND BEAM

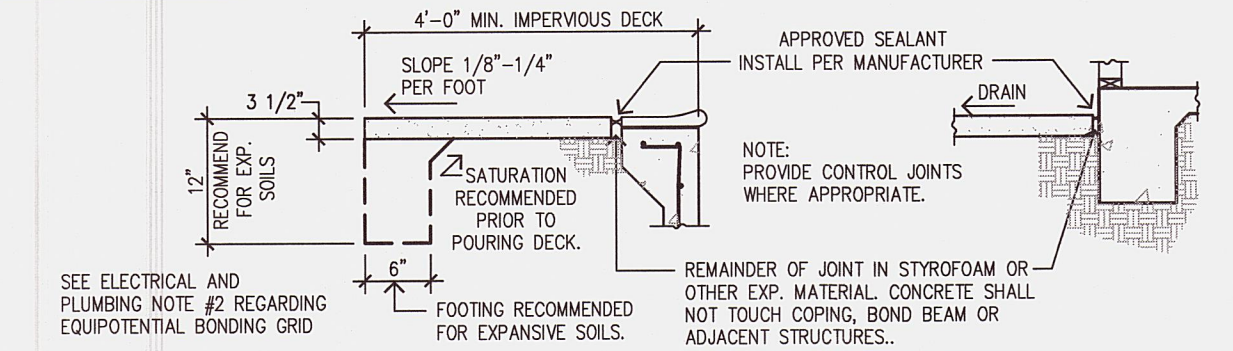


STRUCTURAL NOTES

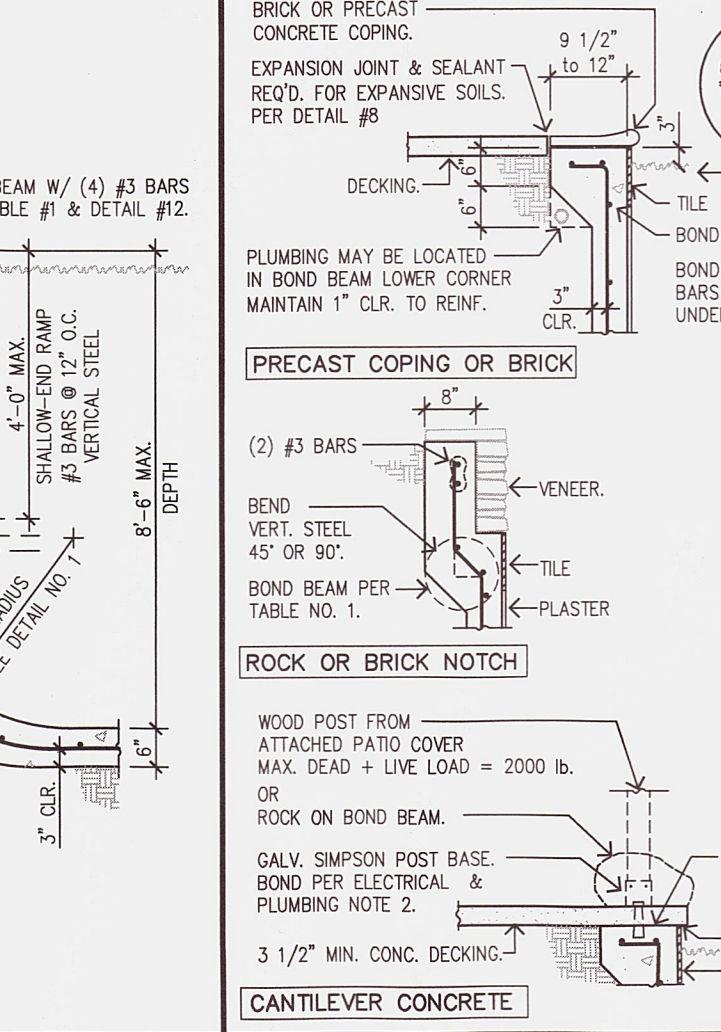
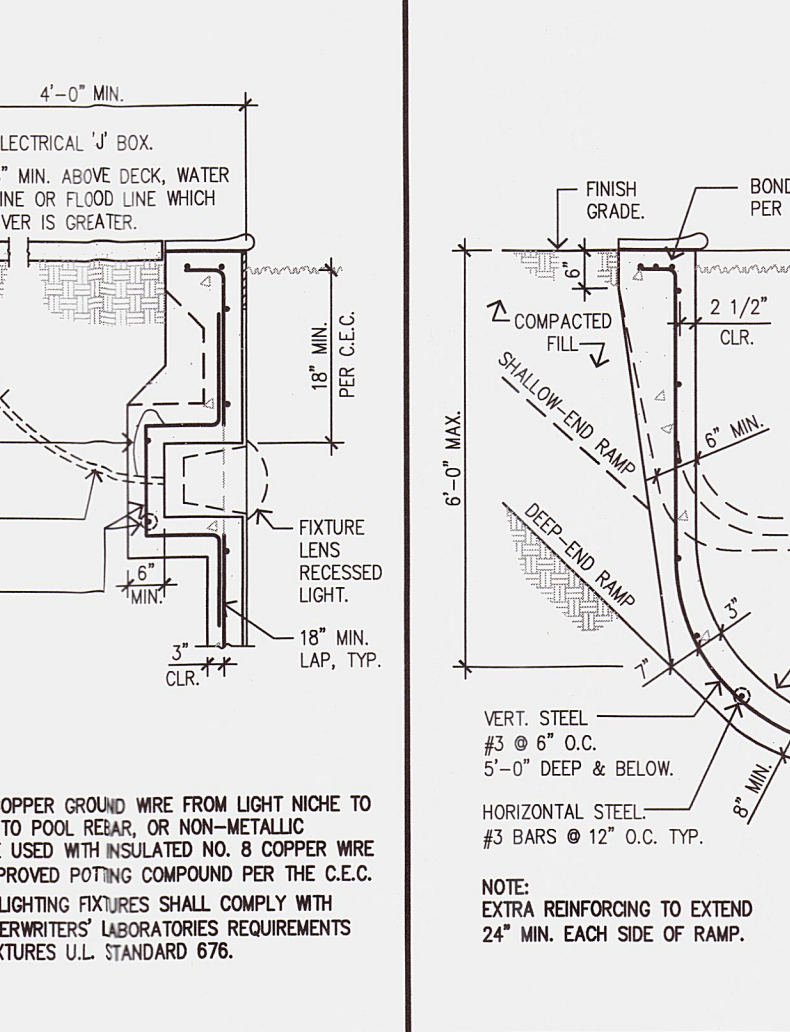
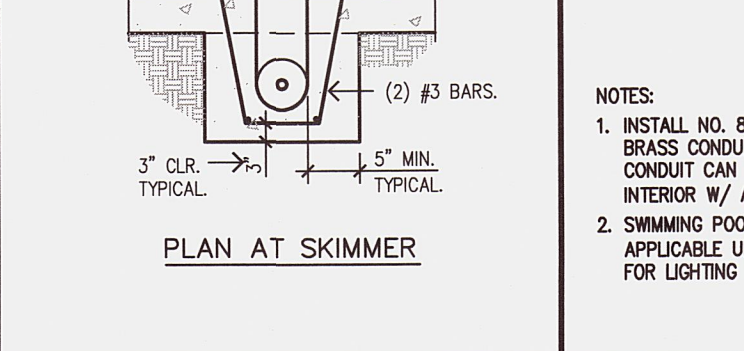
- 1. SOIL SHALL HAVE A MINIMUM BEARING VALUE OF 1500 PSF. CONCRETE SHALL BE PLACED AGAINST UNDISTURBED SOIL OR BUILDING DEPARTMENT APPROVED 90% COMPACT FILL. THIS PLAN IS NOT SUITABLE WHERE POTENTIAL EXISTS FOR DIFFERENTIAL MOVEMENT FROM DISSIMILAR SOIL CONDITIONS UNDER POOL, SUCH AS CUT-FILL TRANSITIONS.
2. ALL REINFORCING STEEL SHALL BE DEFORMED BARS & CONFORM TO ASTM A615 GRADE 40 FOR #3 BARS AND #4 BARS. SPLICES TO BE LAPPED A MINIMUM OF 24". MINIMUM CLEARANCE BETWEEN PARALLEL BARS IS 2 1/2".

NOTES BY THE USE OF THIS PLAN, THE USER ACKNOWLEDGES THAT HE HAS READ & UNDERSTANDS ALL OF THE NOTES INCLUDED HEREIN.

SPA DETAILS

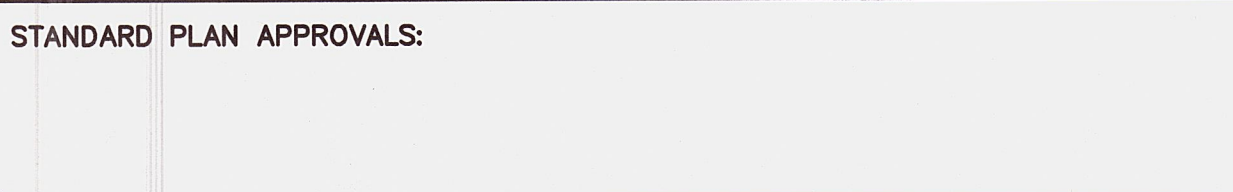


SECTION AT SKIMMER

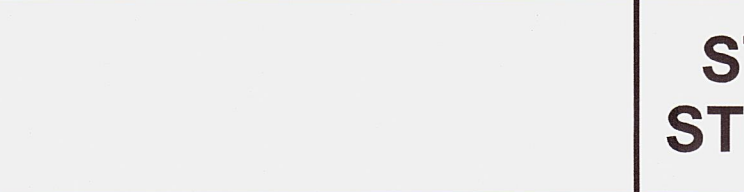


Notes and signatures section including 'PROPERTY RIGHTS TO ALL DRAWINGS...', 'CALCS BY: A.J.C.', 'DRAWN BY: T.L.L.', 'CHECKED BY: R.L.L.', and a professional engineer seal for Todd L. Lacher, P.E.

EXPANSIVE SOIL DETAILS



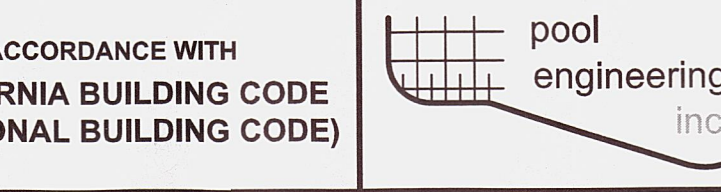
SKIMMER DETAIL



SECTION AT LIGHT



SHALLOW/DEEP END RAMP

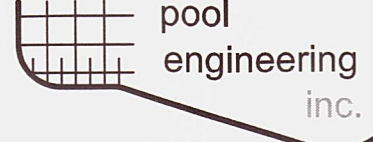


BOND BEAM DETAILS



STANDARD POOL STRUCTURAL PLAN

PREPARED IN ACCORDANCE WITH THE 2016 CALIFORNIA BUILDING CODE (2015 INTERNATIONAL BUILDING CODE)



Ron Lacher, R.C.E. 1201 N. Tustin Ave. Anaheim, California 92807 Fax: (714) 630-6114 Phone: (714) 630-6100

100 Page 12