Project Info

Project Description

Construction of a one-story 1,295 ft2 single family residence, driveway, decks, septic system, and landscaping improvements, on an infill parcel where a previous residence owned by the family was destroyed by fire.

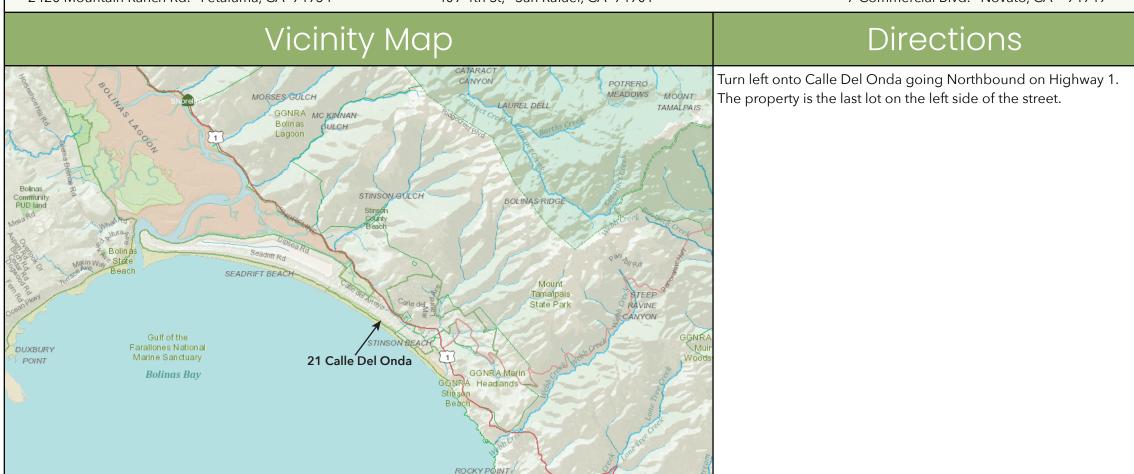
All County and LCP building height, yard setback, and FAR limits are complied with, as well as all FEMA base elevation and design standards. A two-bedroom residence previously existed on the property until it was destroyed by a fire in 1983. The applicant's family has continuously owned the property since the 1930s.

| Applicant | Address | APN | Lot Area |
|--------------------------------|----------------------------------|------------------------|-------------------------|
| Brian & Alyce Johnson | P.O. Box 1139 Homewood, CA 96141 | 195-162-49 | 15,200 Ft (0.36) Acres |
| Zoning | Construction Type | FEMA Flood Zones | |
| C-R2 - Residential, Two Family | VA | VE, A0 | |
| Square Footage (Proposed) | Footprint (Proposed) | FAR (Proposed) | FAR (Maximum) |
| 1,296 | 1,296 | 0.08 | 0.3 |
| Average Slope | Driveway Slope | Minimum Parking Spaces | Proposed Parking Spaces |
| 7.13% | 12% Maximum | 2 spaces | 2 spaces |
| Minimum Setbacks for Residence | Proposed Setbacks for Residence | Maximum Heights | Proposed Heights |
| Front: 25' | Front: 25' | Residence: 25' | Residence: 20' 7" |
| Rear: 16' | Rear: 16' | Retaining Wall: 4' | Retaining Wall: 4' |
| Side: 6' | Side: 46'/100' | Boundary Fence: 6' | Boundary Fence: 6' |
| Rear Deck: 10' | Rear Deck: 10' | Latitude: | Longitude |
| Front Porch: 19' | Front Porch: 19' | 37.899 | -122.645 |

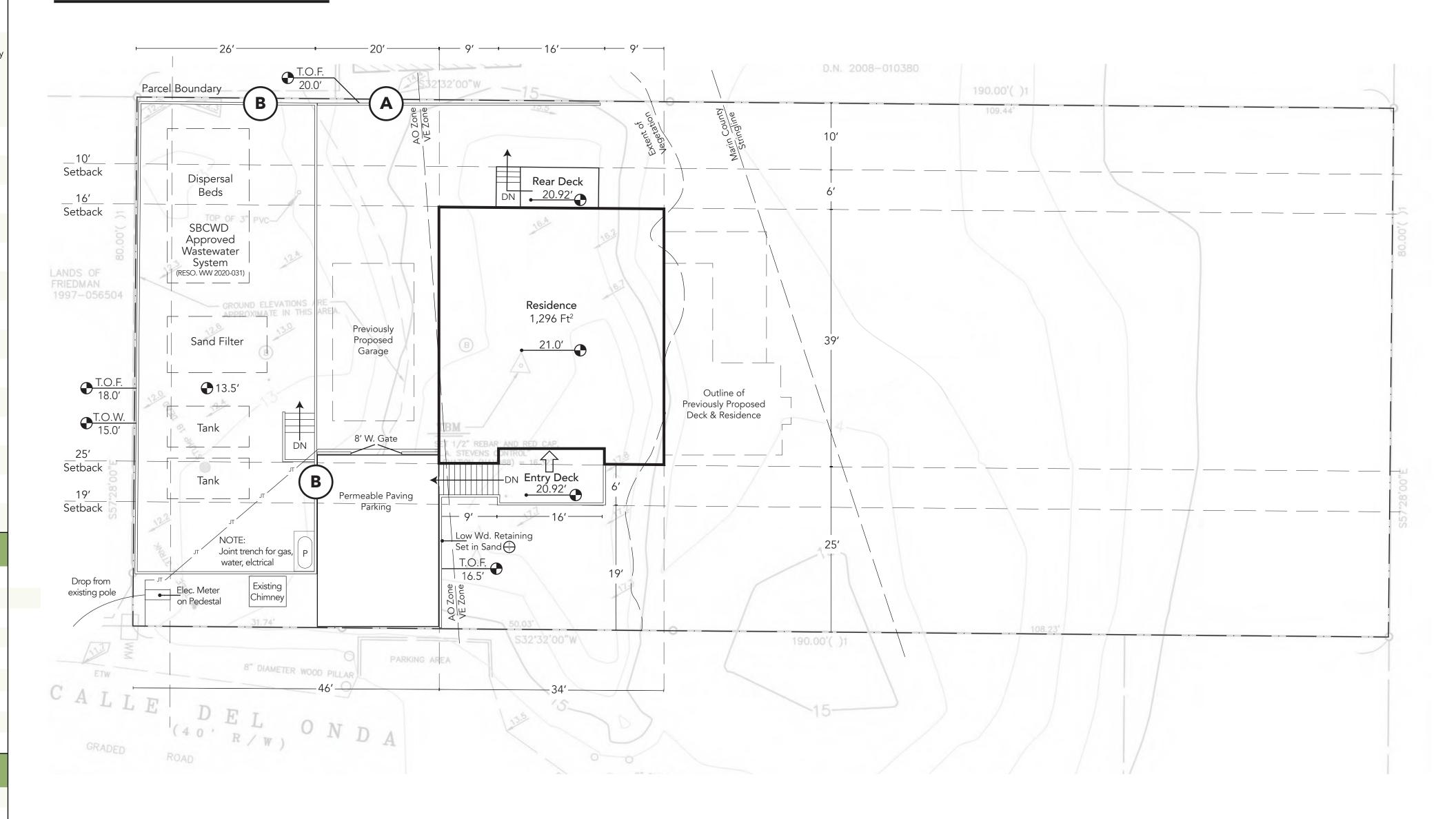
Sheet Index

- Project Info + Site Plan
- Foundation + Floor Plan
- Elevations
- Sections + Landscaping Plan
- **Exterior Materials**
- C1 Title Sheet
- Grading Plan
- Drainage Plan Erosion & Sediment Control Plan

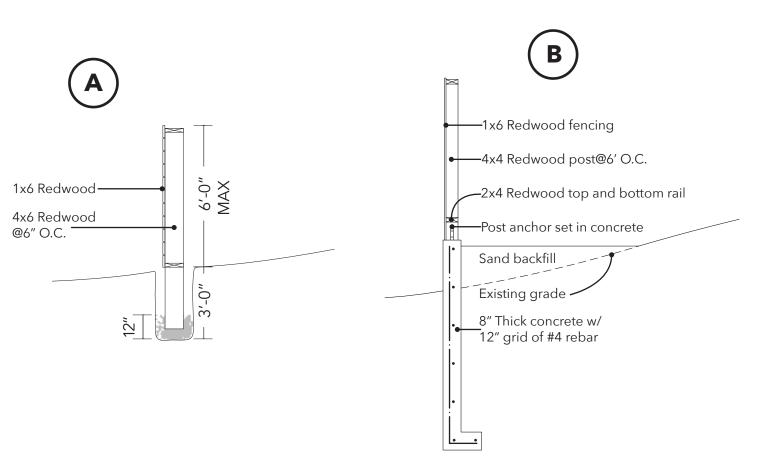
| Consultant Info | | | | |
|--|----------------------------------|-------------------------------------|--|--|
| Design | Civil Engineer | Structural Engineer | | |
| CivicKnit | AYS Engineering Group, Inc | Paul Krohn, PE | | |
| Steve Kinsey (415) 307-1370 | Troy Pearce (707) 763-6220 | (530) 342-2926 | | |
| P.O. Box 81 Forest Knolls, CA 94933 | P.O. Box 5693 Petaluma, CA 94955 | P.O. Box 113 Fairfax, CA 94978 | | |
| | | | | |
| Coastal Engineer | Geotechnical Engineer | Surveyor | | |
| Noble Consultants, Inc | Murray Engineers, Inc | L.A. Stevens & Associates, Inc | | |
| Ron Noble (415) 884-0727 | Christopher Korth (415) 888-8952 | Larry Stevens (415) 382-7713 | | |
| 2420 Mountain Ranch Rd. Petaluma, CA 94954 | 409 4th St, San Rafael, CA 94901 | 7 Commercial Blvd. Novato, CA 94949 | | |



Site Plan

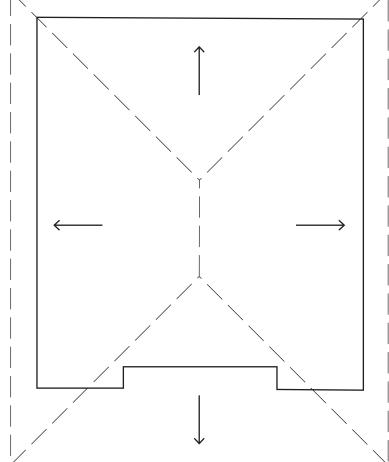


Fence Details



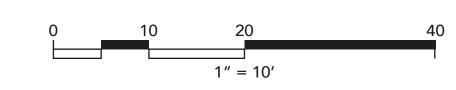
Roofing Plan

12 3 TYPICAL



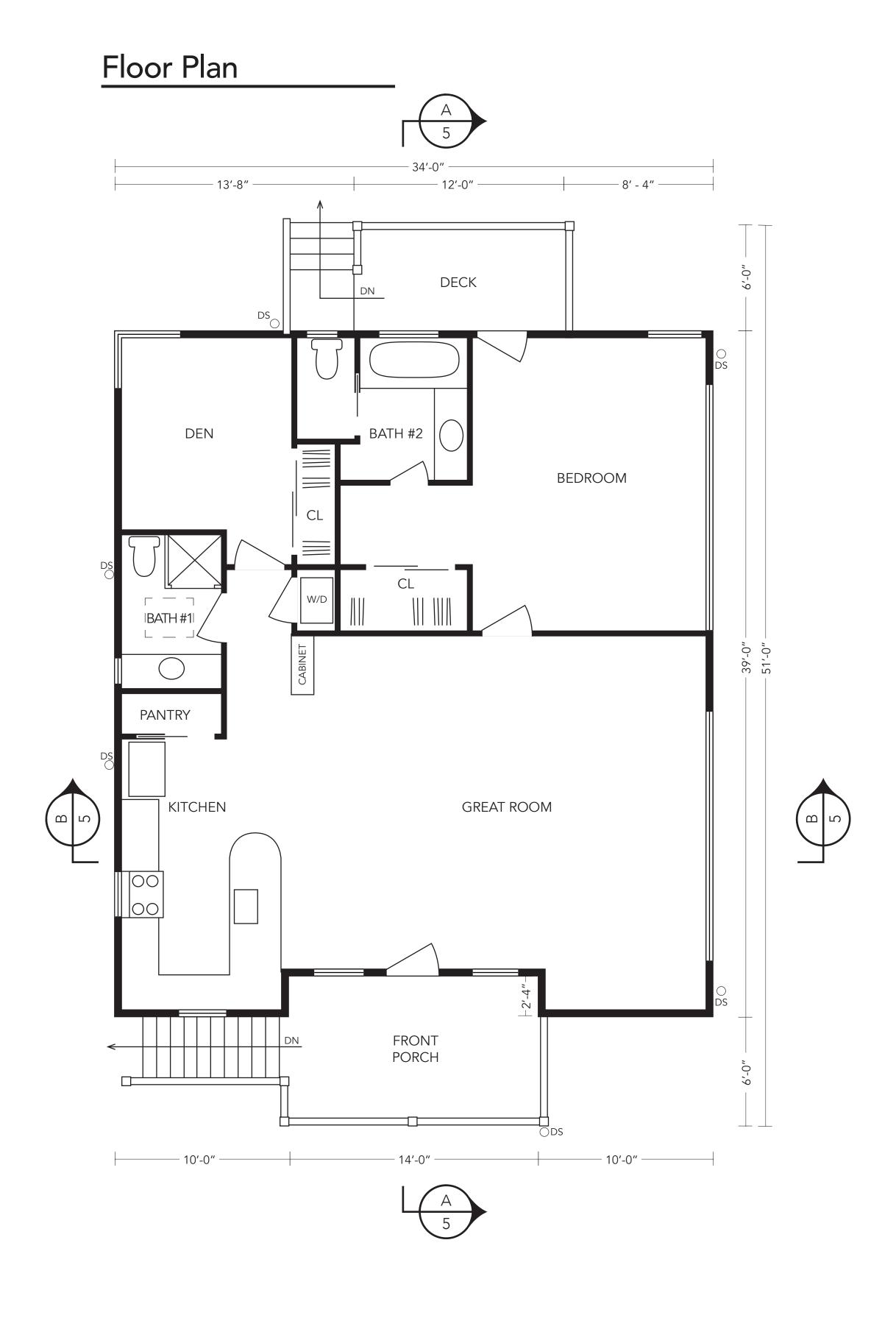


21 Calle del Onda Revised Design

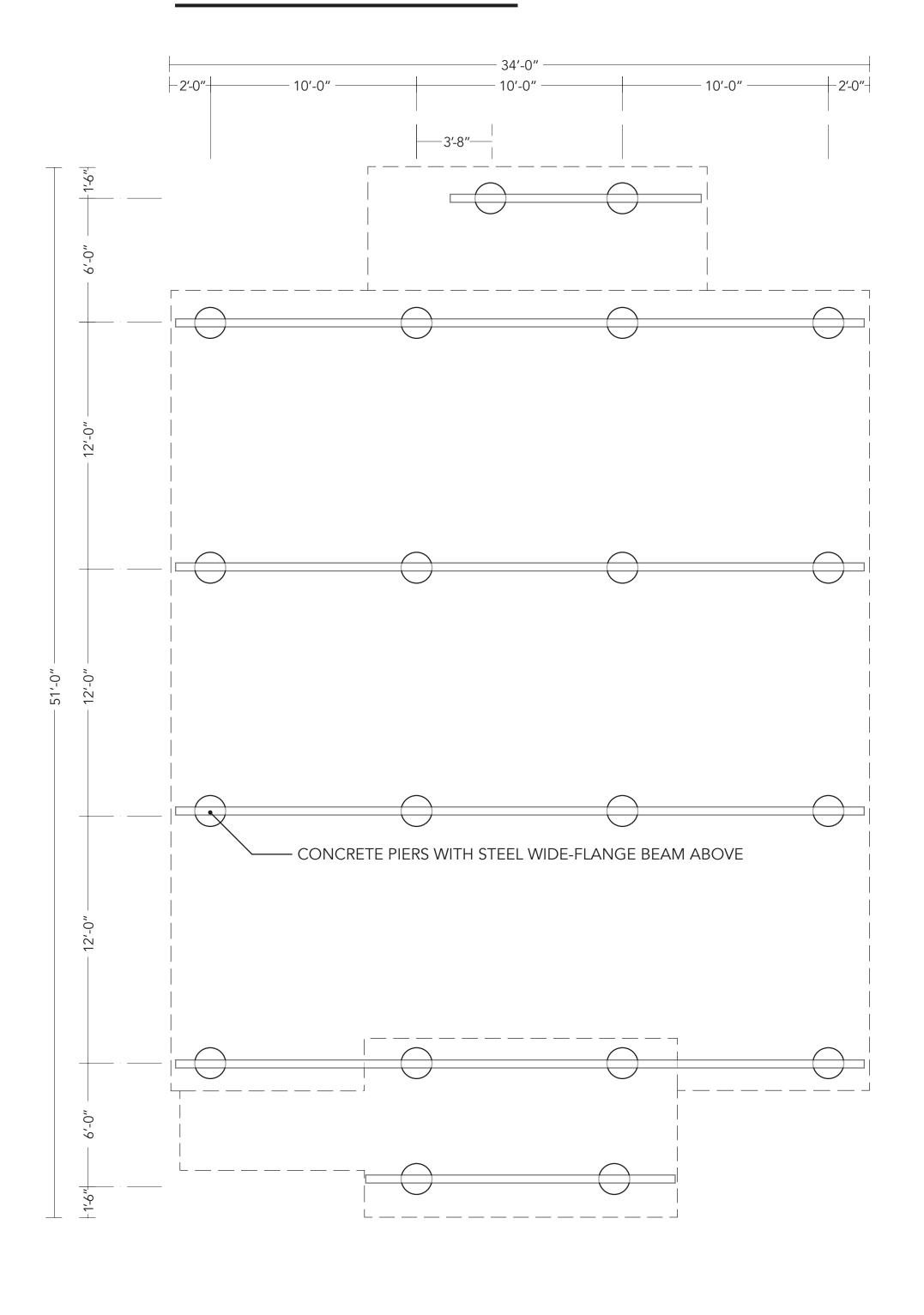








Foundation Plan



FOUNDATION DESIGN TO REFLECT RECOMMENDATIONS OF GEOTECHNICAL ENGINEERING EVALUATION





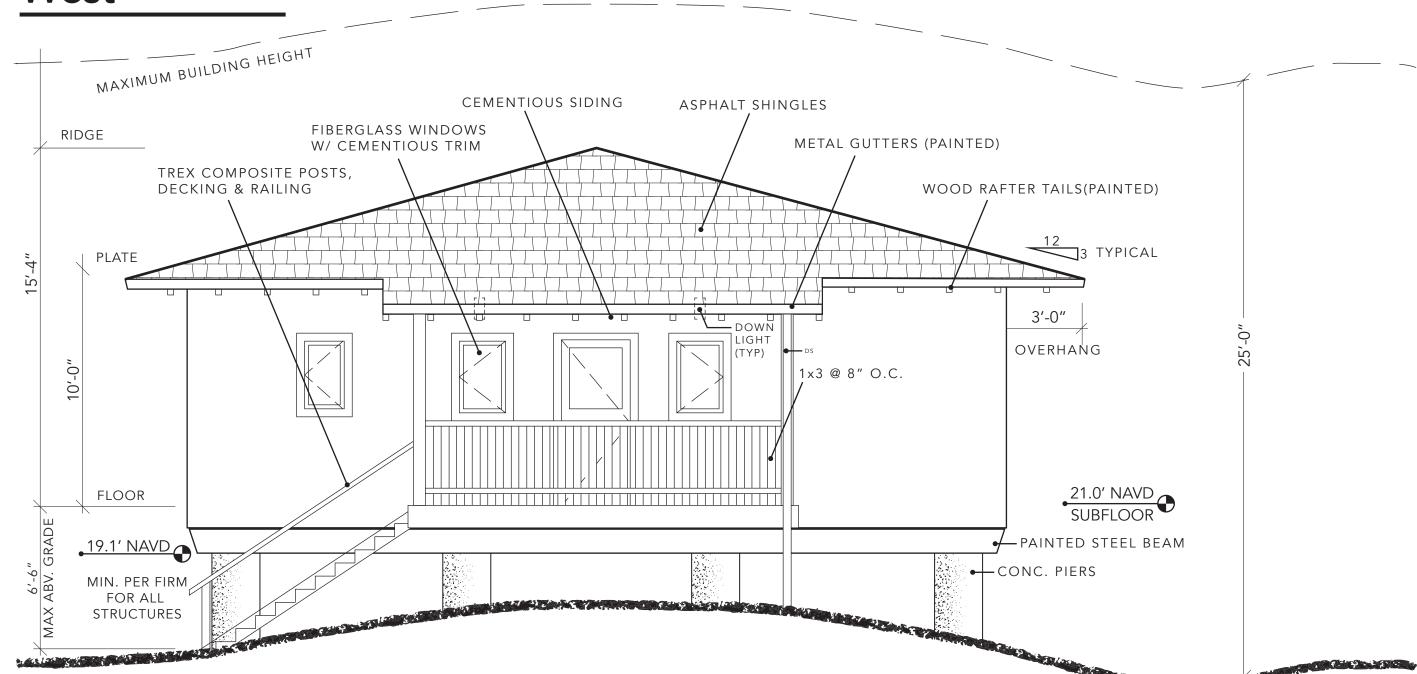
North

MAXIMUM BUILDING HEIGHT

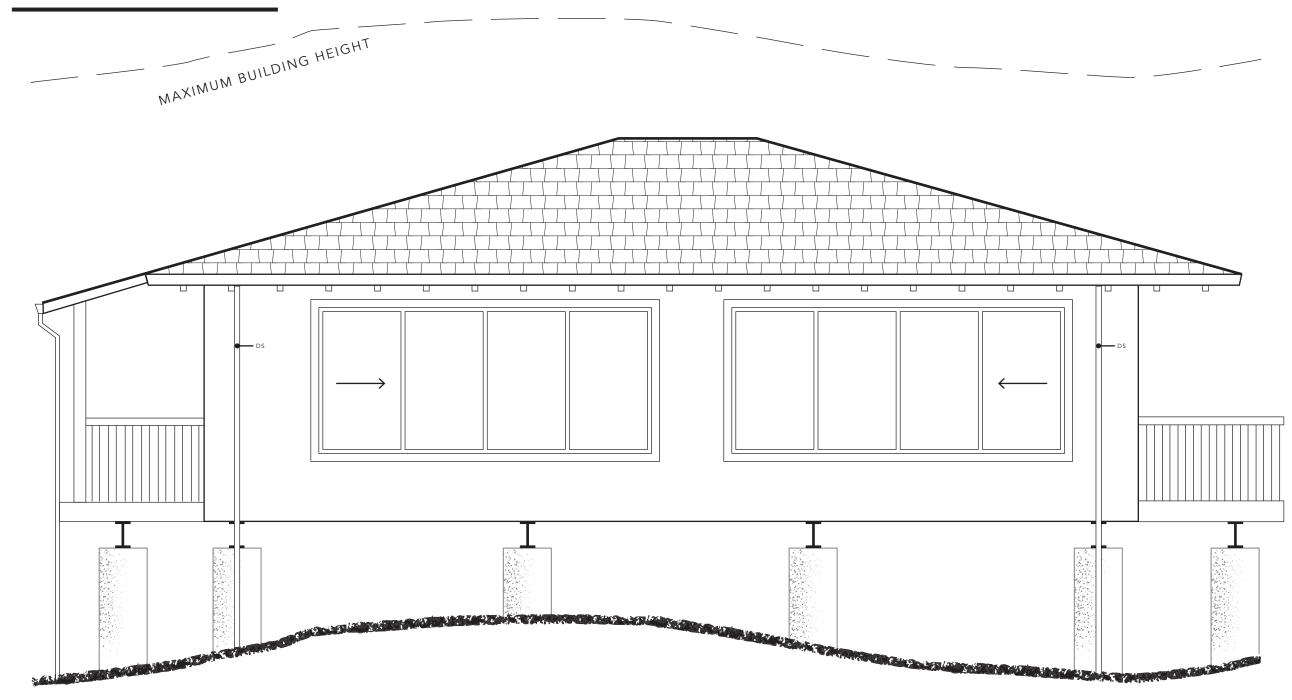
East



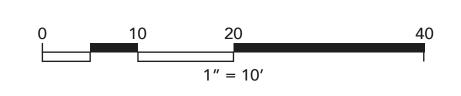
West



South



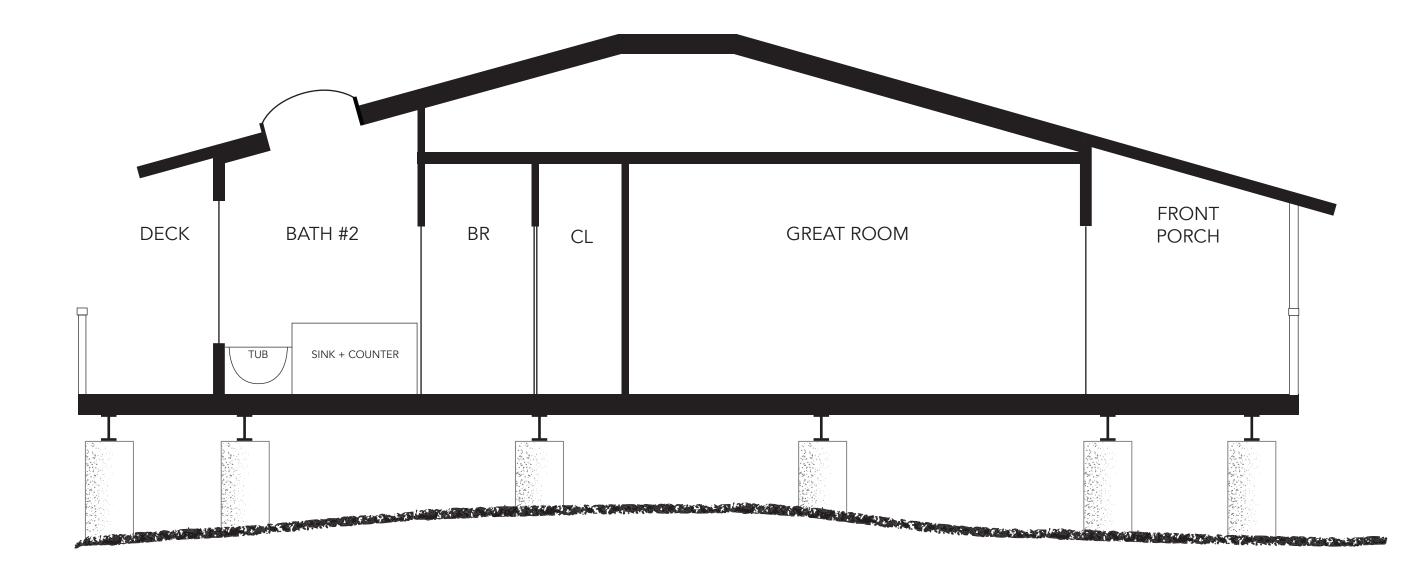


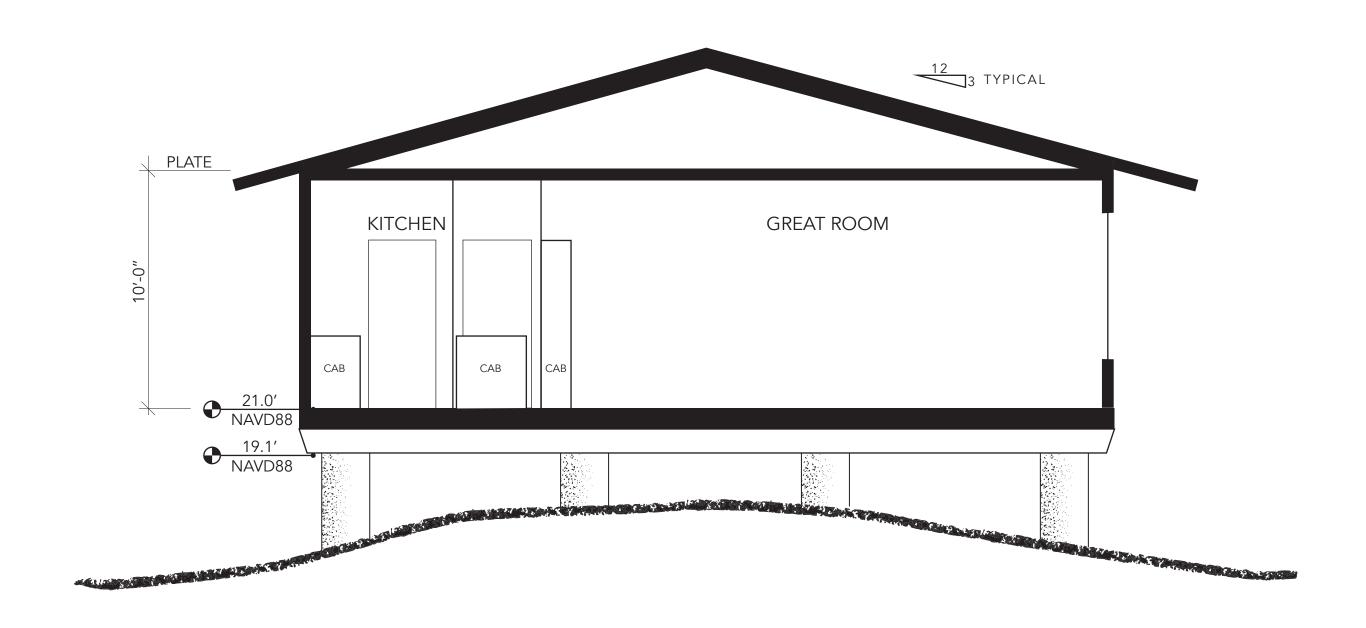




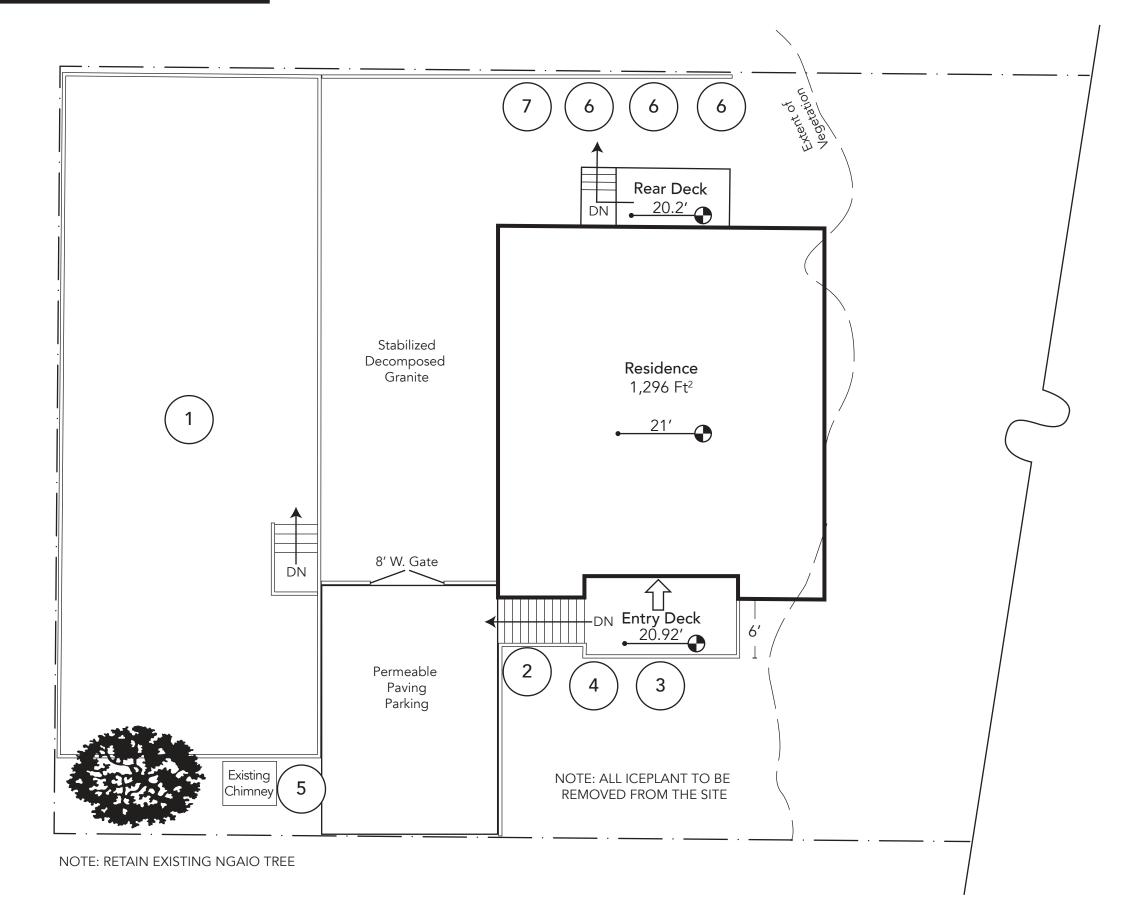


Section B

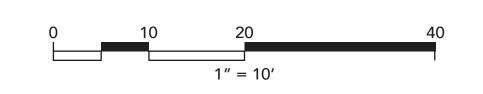




Landscaping Plan



| Plant Species | | | | | | |
|---------------|-------------------------------------|--------------------------------|-------------------|---|--|--|
| # | Latin Name | Common Name | California Native | Notes | | |
| 1 | Festuca rubra, Trifolium wildenovii | Native Lawn Grasses and Clover | \checkmark | Native grass lawn to cover entirety of wastewater dispersal area | | |
| 2 | Calamagrostis foliosa | Reed Grass | $\sqrt{}$ | | | |
| 3 | Festuca californica | California Fescue | $\sqrt{}$ | Plant bunches along perimeter of driveway and deck every 2 - 3 feet | | |
| 4 | Clematis lasiantha | Chapparal Clematis | \checkmark | | | |
| 5 | Echium vulgare | Viper's Bugloss | | | | |
| 5 | Cistus creticus | Rock Rose | | | | |
| 7 | Escallonia Rubra | | | | | |







Siding



Exterior siding will be HardieShingle Night Gray fiber cement shake siding

Roofing



Asphalt composite shingles will be used on all pitched roof areas

Fencing



Redwood fencing will be used around the perimeter of the septic area and the rear yard. In some locations these wooden fences will sit atop concrete retaining walls

Lighting Fixtures





Exterior lighting will consist of recessed soffit lights and hooded down lights to minimize light pollution

Decking, Stairs & Railing



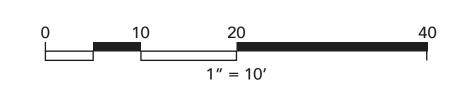
Clamshell colored Trex composite material will be used for all decks, railings, and stairs

Windows





Frost colored Milguard fiberglass clad windows will be used at all locations







GENERAL NOTES

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY: THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNERS AND DESIGN ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER AND DESIGN ENGINEER.

ALL MATERIAL, WORKMANSHIP, AND CONSTRUCTION SHALL CONFORM TO THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS AND STANDARD PLANS (DATED JULY 1992) AND THE CURRENT MARIN COUNTY UNIFORM CONSTRUCTION STANDARDS AND SPECIFICATIONS.

CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UNDERGROUND SERVICE ALERT (U.S.A.) CALL TOLL FREE (800) 642-2444 AT LEAST 48 HOURS PRIOR TO EXCAVATION. CONTRACTOR TO UNCOVER EXISTING BURIED UTILITIES WITH UTILITY OWNER TO VERIFY LOCATION AND ELEVATION. BURIED UTILITIES INCLUDE BUT ARE NOT LIMITED TO WATER, SEWER, GAS, ELECTRICAL AND TELEPHONE. ALL UTILITIES CONFLICTING WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO BEGINNING CONSTRUCTION.

CONTRACTOR SHALL OBTAIN A TRENCH PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO THE EXCAVATION OF ANY TRENCH GREATER THAN FIVE FEET IN DEPTH.

ALL UNDERGROUND IMPROVEMENTS SHALL BE INSTALLED AND APPROVED PRIOR TO ROAD SURFACING.

NOT TO BE USED AS BOUNDARY SURVEY, TOPOGRAPHIC SURVEY PROVIDED BY LA STEVENS AND ASSOC, NOVATO CA 415-382-7713

ALL TREES TO REMAIN SHALL BE FENCED AS DIRECTED BY ARBORIST OR COUNTY PRIOR TO BEGINNING OF CONSTRUCTION. NO TREES OF PERMIT SIZE TO BE REMOVED WITHOUT OBTAINING A TREE REMOVAL PERMIT.

TRAFFIC CONTROL SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CALTRANS MANUAL OF TRAFFIC CONTROL DEVICES AND AS DIRECTED BY ENGINEER.

PROPERTY LINES, RIGHT OF WAY AND EASEMENTS TO BE FLAGGED PRIOR TO CONSTRUCTION.

GRADING NOTES

CONTRACTOR SHALL ENLIST THE SERVICES OF A REGISTERED GEOTECHNICAL ENGINEER TO MONITOR THE PLACEMENT OF EMBANKMENTS. THE GEOTECHNICAL ENGINEER SHALL SUBMIT A FINAL SOILS REPORT THAT CERTIFIES THAT THE EMBANKMENTS WERE PLACED IN ACCORDANCE WITH THE PROJECT PLANS (AND AMENDMENTS THERETO, IF ANY), SPECIFICATIONS, AND SOUND GEOTECHNICAL PRACTICE. THE REPORT SHALL ADDRESS IN PARTICULAR THE SUSTAINABILITY OF THE NATIVE SOIL ENCOUNTERED AT THE TOE AND BASE OF ALL FILLS. FURTHER, THE REPORT SHALL CONTAIN ANALYSIS OF THE SOILS ENCOUNTERED AND A COMPILATION OF COMPACTION TESTS PERFORMED.

CUT SLOPES SHALL BE EQUAL TO OR LESS THAN 2:1. WITH A GEOTECHNICAL ENGINEER'S WRITTEN PERMISSION, WEATHERED ROCK CUTS MAY BE STEEPENED. FILL SLOPES SHALL BE EQUAL TO OR LESS THAN 2:1 OR REINFORCED WITH GEOGRID PER THE GEOTECHNICAL ENGINEER'S RECOMENDATIONS IF STEEPER THAN 2:1 AND SHALLOWER THAN 1:1.

ALL EXCESS SOIL MATERIAL, STUMPS, AND BOULDERS SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH ANY ENVIRONMENTAL REGULATIONS AND THE PERMITING AGENCY'S GRADING ORDINANCE AS THEY MAY APPLY.

IF CONSTRUCTION IS PERFORMED EARLIER THAN MAY 1ST OR LATER THAN OCTOBER 1ST IN ANY GIVEN YEAR, AN APPROVED SILTATION CONTROL PLAN, DESIGNED BY A CIVIL ENGINEER OR APPROVED, COMPETENT INDIVIDUAL IS REQUIRED.

STRUCTURAL SECTION NOTES

ACTUAL DIMENSION OF THE DRIVEWAY PAVEMENT SECTION SHALL BE DESIGNED BY THE SOILS ENGINEER.

THE ROAD SUBGRADE WITHIN THE ROADWAY SECTION SHALL BE SCARIFIED TO A DEPTH OF SIX INCHES AND COMPACTED TO A TIGHT NON-YIELDING SURFACE WITH NO VISIBLE DISPLACEMENT TO AT LEAST 95% OF RELATIVE COMPACTION AND SHALL BE FREE OF LOOSE OR EXTRANEOUS MATERIAL.

THE CLASS II AGGREGATE BASE SHALL HAVE A RELATIVE COMPACTION OF AT LEAST 95%, SHALL BE FREE OF LOOSE OR EXTRANEOUS MATERIAL AND BE A TIGHT NON-YIELDING SURFACE WITH NO VISIBLE DISPLACEMENT.

THE ASPHALT CONCRETE SHALL HAVE A RELATIVE COMPACTION OF AT LEAST 95%.

A SOILS ENGINEER SHALL TEST, AND APPROVE THE CONSTRUCTION OF ROADS. AND. IF REQUIRED. PARKING AREAS. THE SOILS ENGINEER SHALL PROVIDE COPIES OF THE TEST RESULTS AND WRITTEN APPROVALS TO THE COUNTYS INSPECTOR WITHIN THREE WORKING DAYS OF TESTING OR APPROVAL. THE APPROVAL SHALL INCLUDE THE STABILITY AND RELATIVE DENSITY OF SUBGRADES AND BASE COURSES PRIOR TO THE PLACEMENT OF ASPHALT CONCRETE. A FINAL SOILS REPORT SHALL BE SUBMITTED BY THE PROJECT SOILS ENGINEER TO THE CONSTRUCTION INSPECTION SUPERVISOR OF THE PERMIT AND RESOURCE MANAGEMENT DEPARTMENT WHICH CONTAINS AN ANALYSIS OF THE SOILS ENCOUNTERED AND COMPILATION OF COMPACTION TESTS PERFORMED.

STORM DRAIN NOTES

TRENCH AND BACKFILL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CALTRANS' STANDARD PLAN A62-D FOR CONCRETE CULVERTS AND A62-F FOR METAL AND PLASTIC CULVERTS, EXCEPT THAT THE TRENCH WIDTH NEED ONLY BE ONE FOOT ON EACH SIDE OF THE PIPE.

ALL DRAINAGE PIPE IN DRIVEWAY SHALL HDPE TYPE N AASHTO RATED OR SDR35. GRATES IN DRIVEWAY AREA SHALL BE TRAFFIC RATED. DRAINAGE INLETS SHALL BE OF THE SIZE OR TYPE CALLED OUT AND CAN BE PRECAST OR POURED IN PLANCE. CLEANOUTS REQUIRED EVERY 100 FEET AND AT ANY PIPE DIRECTION CHANGE 45 DEGREES OR GREATER.

ALL ROOF DRAINS SHALL BE TIED INTO STORM DRAINAGE SYSTEM AND SEPERATED FROM FOUNDATION DRAINS.. RAINWATER LEADERS SHALL HAVE AND FOUNDATION DRAINS SHALL HAVE CLEANOUTS AT ALL CHANGES IN DIRECTION GREATER THAN 44DEGREES.

FOUNDATION SUBDRAINS SHALL BE SEPERATE PIPING SYSTEMS TO OUTFALL FROM SURFACE DRAINS/ROOF DRAINS

MISCELLANEOUS NOTES

TESTING FOR RELATIVE DENSITIES SHALL BE IN ACCORDANCE WITH CALTRANS' TEST METHOD NO. 216 PART II OR ASTM 1557. THE USE OF SAND CONE METHODS - SUCH AS ASTM 1556 OR CALTRANS 216 PART I -SHALL NOT BE ALLOWED.

PLACEMENT OF MAIL BOXES IS TO BE COORDINATED WITH AND APPROVED BY THE LOCAL BRANCH OF THE UNITED STATES POST OFFICE.

DESIGN ENGINEER SHALL CERTIFY TO THE COUNTY IN WRITING THAT ALL GRADING, DRAINAGE, AND RETAINING WALL CONSTRUCTION WAS DONE IN ACCORDANCE WITH THE PLANS AND FIELD DIRECTIONS. ALSO NOTE THAT DRIVEWAY, PARKING AND OTHER SITE IMPROVEMENTS SHALL BE INSPECTED BY A DEPARTMENT OF PUBLIC WORKS ENGINEER.

ADDITIONAL GENERAL NOTES

UNAUTHORIZED CHANGES & USES: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PUBLIC WORKS DEPARTMENTNT DEPARTMENT AND THE PREPARER OF THESE PLANS.

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY: THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY. REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

THE LOCATIONS OF UNDERGROUND OBSTRUCTIONS SHOWN ON THE PLANS ARE APPROXIMATE ONLY AND SHOULD NOT BE TAKEN AS FINAL OR ALL INCLUSIVE. THE CONTRACTOR IS CAUTIONED THAT THE PLANS MAY NOT INCLUDE ALL EXISTING UTILITIES AND THAT THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY FOR OBSTRUCTIONS WHICH MAY BE ENCOUNTERED.

THE CONTRACTOR MUST EXPOSE ALL EXISTING UTILITIES AS A FIRST ORDER OF WORK, INCLUDING SEWER AND STORM DRAINS, TO VERIFY DESIGN ASSUMPTIONS AND EXACT FIELD LOCATION.

EXISTING UTILITIES MAY REQUIRE RELOCATION AND/OR PROPOSED IMPROVEMENTS MAY REQUIRE GRADE OR ALIGNMENT REVISION DUE TO FIELD CONDITIONS.

THE CONTRACTOR IS CAUTIONED NOT TO ORDER PRECAST ITEMS OR INSTALL ANY IMPROVEMENTS UNTIL ALL CONFLICTS ARE RESOLVED. ALL IMPROVEMENTS INSTALLED OR ORDERED PRIOR TO CONFLICT RESOLUTION SHALL BE DONE SOLELY AT THE CONTRACTOR'S RISK AND AT NO EXPENSE TO THE OWNER.

THE CONTRACTOR SHALL RECOGNIZE THAT UNDERGROUND FACILITIES NOT SHOWN AS CIVIL IMPROVEMENTS (PG&E, TELEPHONE, TELEVISION, IRRIGATION, ETC.) SHALL BE COORDINATED AND CONSTRUCTED PRIOR TO PLACEMENT OF BASE ROCK AND PAVING.

ALL EARTHWORK AND SITE GRADING SHALL COMPLY WITH CHAPTER 33 AND APPENDIX CHAPTER 33 OF THE CALIFORNIA BUILDING CODE.

PRIOR TO BEGINING CONSTRUCTION, THE OWNER SHALL OBTAIN ALL NECESSARY AGREMENTS & EASEMENTS AS REQUIRED TO COMPLETE THE

ABBREVIATIONS

AGGREGATE BASE ASPHALT CONCRETE ВС BEGIN HORIZONTAL CURVE BOW BASE OF WALL BVC BEGIN VERTICAL CURVE CENTERLINE C,G; C&G CURB AND GUTTER CATCH BASIN CLEANOUT CONC CONCRETE DRAINAGE INLET END HORIZONTAL CURVE EXISTING GROUND END VERTICAL CURVE EXISTING **EXIST EXISTING** FLOWLINE FINISHED FLOOR FINISHED GRADE FΗ FIRE HYDRANT GB GRADE BREAK HIGH POINT Ht. EXPOSED FACE HEIGHT OF WALL INVERT JOINT TRENCH MAXIMUM

MH MAN HOLE NOT APPLICABLE NOT TO SCALE OVERHEAD PORTLAND CEMENT CONCRETE POC POINT ON CURVE

POINT OF REVERSE CURVATURE PUBLIC UTILITY EASEMENT PVC POLYVINAL CHLORIDE POINT OF VERTICAL INTERSECTION R/W RIGHT OF WAY

RĆP REINFORCED CONCRETE PIPE SEWER SIDEWALK STORM DRAIN SOG

SLAB ON GRADE SS SANITARY SEWER SSCO SANITARY SEWER CLEAN OUT SSMH SANITARY SEWER MAN HOLE STA STATION

STD STANDARD TOP OF CURB **TEMP** TEMPORARY TOE TOE OF WALL/SLOPE TOW TOP OF WALL

TW TOP OF WALL TYP TYPICAL WATER

WATER METER

C1 - TITLE SHEET C2 - GRADING PLAN C3 - DRAINAGE & STORM WATER MANAGEMENT PLAN C4 - EROSION AND SEDIMENT CONTROL PLAN

S1 - SEPTIC SYSTEM LAYOUT S2 - SEPTIC SYSTEM DETAILS

EARTHWORK QUANTITIES

EARTHWORK QUANTITIES ARE APPROXIMATE AND FOR PLANNING PURPOSES ONLY. VOLUMES ARE APPROXIMATED FROM EXISTING AND FINISHED GRADE AND DO NOT INCLUDE TRENCH SPOILS, SITE STRIPPING, FOUNDATIONS, KEYWAY EXCAVATIONS OR EXPANSION/CONTRACTION OF SOIL. ACTUAL VOLUMES WILL VARY DEPENDING ON CONTRACTORS METHODS.

LINES:

ESTIMATED QUANTITIES:

CUT 52 CY

FILL 118 CY

NET 66 CY FILL (IMPORT)

SITE SHORELINE HIGHWAY VICINITY MAP LEGEND NO SCALE **EXISTING PROPOSED** CONTOUR-MJR CONTOUR-MNR __^__^__

APPROXIMATE BOUNDARY RETAINING WALL DAYLIGHT STORM DRAIN/RAIN WATER COLLECTION

FOUNDATION/RET WALL DRAIN RWL COLLECTION SYSTEM WATER SWALE

CLEANOUT c.o. RAINWATER LEADER DS o BACKFLOW PREVENTER BWPC SEWER

——SS——SS—— CABLE —X——X——X——X— ELECTRIC SERVICE ——E ——E ——E —— GAS SERVICE ——— GAS ——— GAS ——— TELECOM SERVICE

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Group, Inc 1, CA 94955

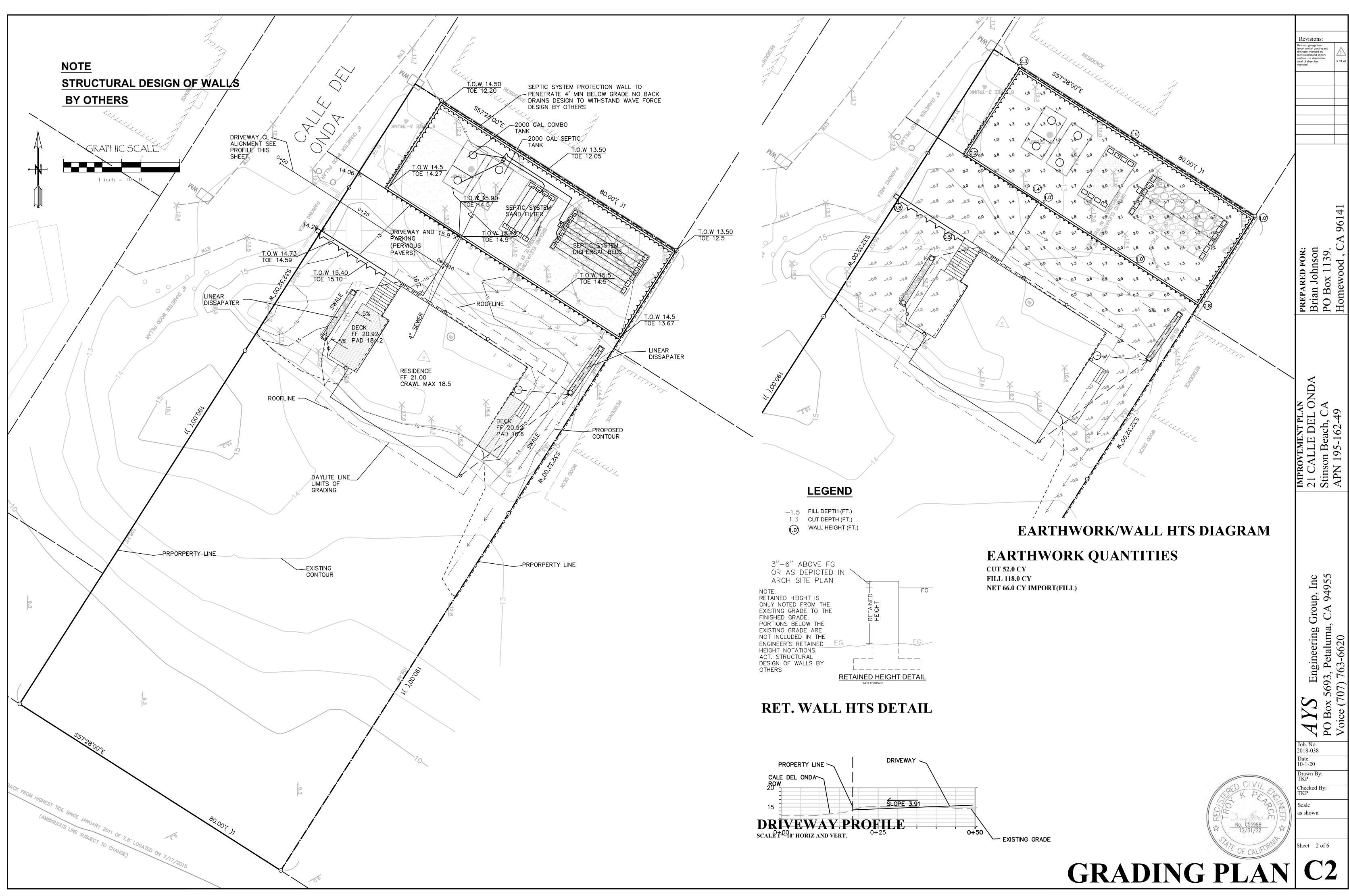
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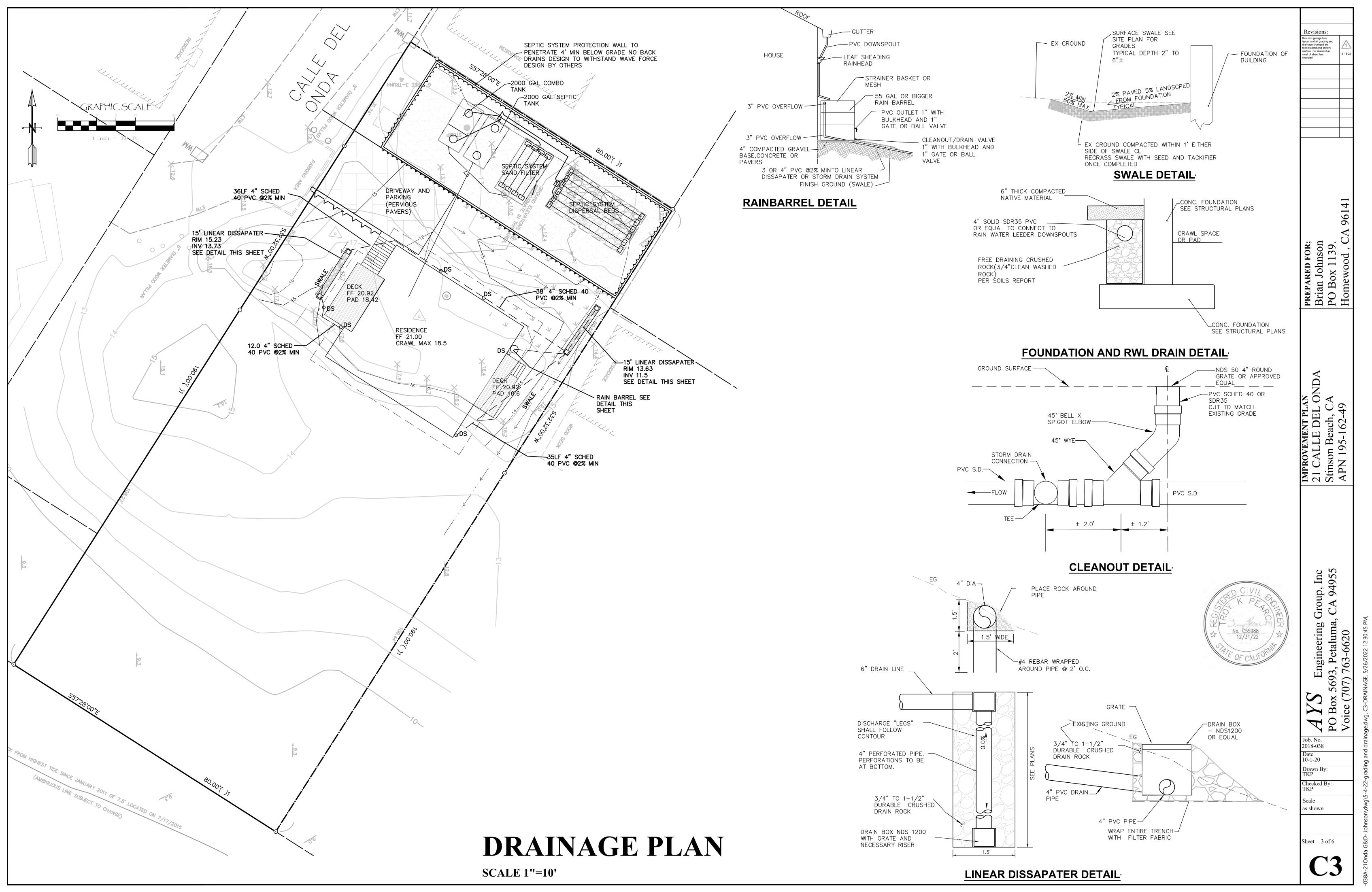
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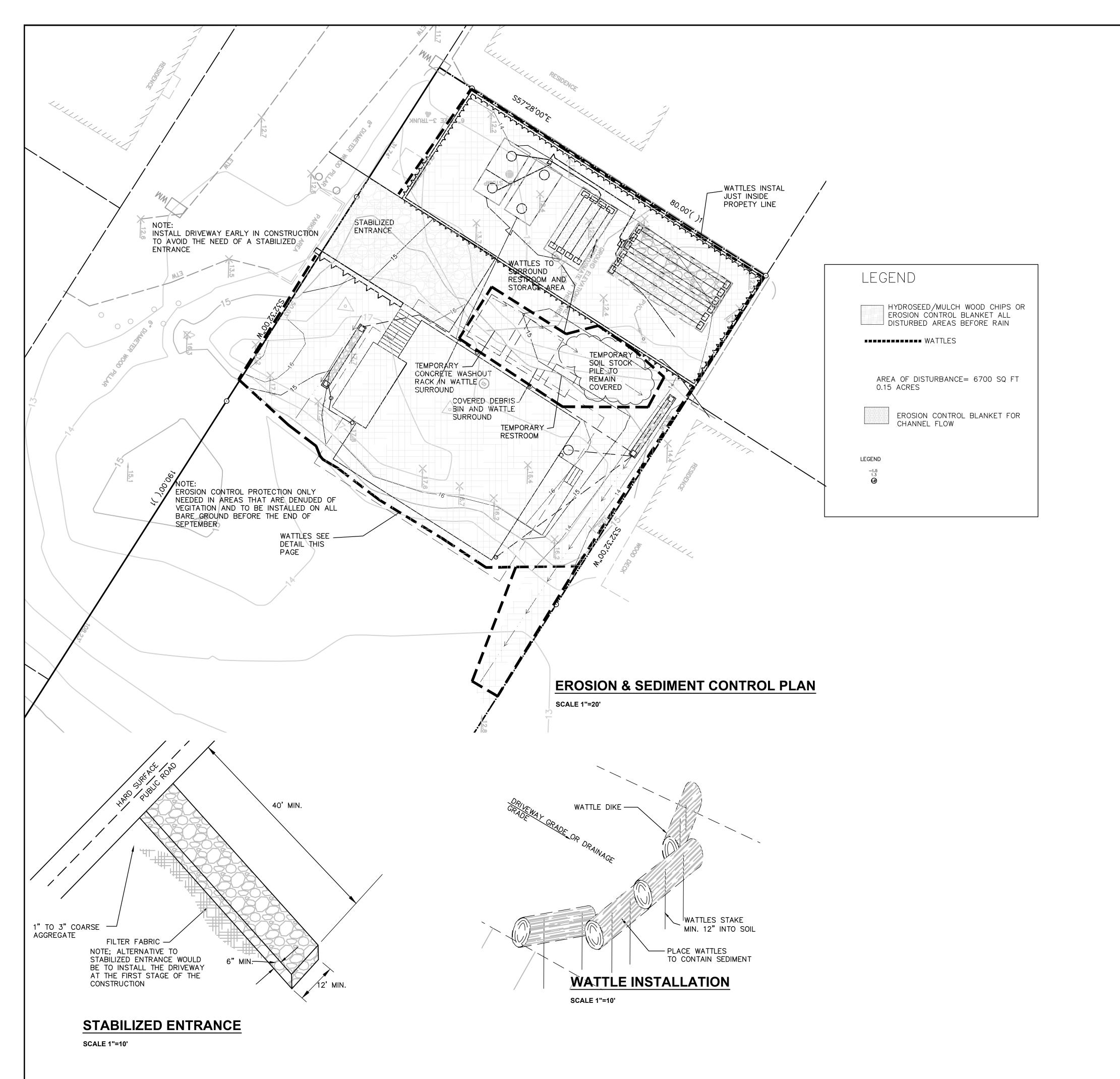
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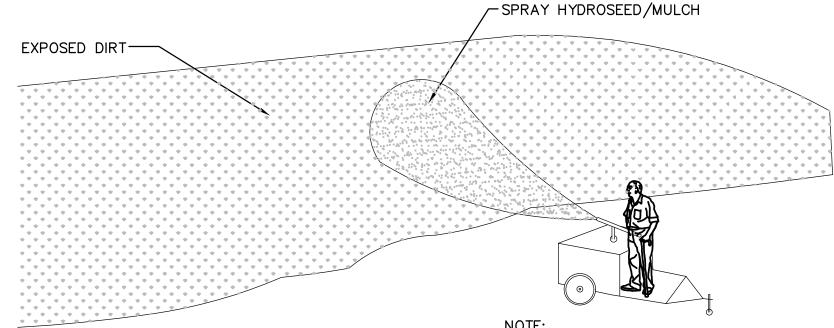
TITLE SHEET

_____JT______JT____









MULCH TO BE BLOWN ONTO EXPOSED EARTH. ANCHOR MULCH USING A TACKIFIER OR BY MECHANICAL MEANS. APPLY AT A RATE OF 4000LBS/ACRE OR USING MANUFACTURER'S RECOMMENDATIONS. MAY ALSO BE HAND MULCHED WITH STRAW TO A DEPTH OF 1" MIN OVER ALL BARE GROUND.

EROSION CONTROL NOTES

1) BOUNDARY FOR REFERENCE PURPOSES ONLY NOT TO BE ÚSED AS BOUNDARY SURVEY.

2) ALL MODIFICATIONS TO THIS PLAN AND ALL EROSION CONTROL REPAIRS SHALL BE NOTED ON THIS PLAN AND KEPT UPDATED BY THE CONTRACTOR IN THE FIELD DURING CONSTRUCTION.

3) ALL EROSION CONTROL MEASURES SHALL BE REGULARLY MONITORED AND REPLACED IF NECESSARY.

4) ALL EROSION CONTROL MEASURES SHALL BE CHECKED AND THEIR OPERATION VERIFIED AFTER STORM EVENTS.

5) NO SILT LADEN WATER SHALL LEAVE SITE.

6) ANY MATERIAL OR DEBRIS STOCKPILED ON SITE SHALL BE CONTAINED BY WATTLES AND COVERED.

7) A GRAVEL ACCESSWAY AT LEAST 40' LONG SHALL BE MAINTAINED AT DRIVEWAY ENTRANCE. 6" OF GRAVEL MUST BE MAINTAINED IN THIS AREA AND WILL REQUIRE REPLENISHMENT OVER THE COURSE OF CONSTRUCTION.

8) AS PART OF THE MONITORING, ANY SILT THAT BUILDS UP BÉHIND THE WATTLES SHALL BE REMOVED.

9) MINIMIZE THE AMOUNT OF MATERIAL STOCKPILED ON SITE.

10) ANY EXCAVATED MATERIAL STOCKPILED ON SITE SHALL BE COVERED WITH 15 MIL PLASTIC AND THE ENDS HELD DOWN WITH

11) ADDITIONAL SAND BAGS, WATTLES AND OTHER EROSION CONTROL MATERIAL SHALL BE STORED ON SITE TO ALLOW FOR IMMEDIATE REPAIR OF PROPOSED FACILITIES.

12) A WATTLE DIKE SHALL BE INSTALLED ON THE PROPOSED DRIVEWAY ROUGH GRADE EVERY 10' OF VERTICAL SEPARATION OR MORE OFTEN AS NEEDED TO PREVENT EROSION OF THE PROPOSED DRIVEWAY.

13) REMOVE SEDIMENT WHEN ACCUMULATION REACHES 1/2 OF THE BARRIER HEIGHT.

14) MINIMIZE THE AMOUNT OF EARTHWORK EXPOSED AT ANY

15) INSTALL DRIVEWAY GRAVEL BASE COURSE AS SOON AFTER ROUGH GRADING AS POSSIBLE.

16) PRIOR TO PLACING AC ON ROADWAY OR DRIVEWAY, DRIVEWAYS TO BE USED FOR CONCRETE WASHDOWN. ONCE THE DRIVEWAY IS COMPLETE, USE A DESIGNATED CONCRETE WASH DOWN AREA.

17) HYDROSEED ALL EXPOSED AREAS OF EARTH PRIOR TO START OF RAINY SEASON. IF RAIN IS IMMINENT OR GRASS IS NOT MATURE PRIOR TO OCTOBER 15 COVER EXPOSED EARTH WITH STRAW & TACKIFIER.

18) THE ACTUAL AMOUNT AND TYPES OF EROSION CONTROL DEVICES WILL VARY BASED ON CONSTRUCTION METHODOLOGIES AND STAGING. THIS PLAN SHOWS A MINIMUM REQUIREMENT AND SHOULD BE SUPPLEMENTED AS NEEDED.

EROSION & SEDIMENT CONTROL PLAN

Sheet 4 of 6

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Checked By:

IMPR 21 C Stins APN

Group, Inc 1, CA 94955

Engineering (93, Petaluma, 763-6620

