

# COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PLANNING & BUILDING TREVOR KEITH, DIRECTOR

#### THIS IS A NEW PROJECT REFERRAL / SUMMARY \*

Date	Name Phone
IF YOU HAVE "	NO COMMENT," PLEASE INDICATE (VIA E-MAIL OR PHONE).
Please	CATE YOUR RECOMMENDATION FOR FINAL ACTION. attach any conditions of approval you recommend to be incorporated into the project's val, or state reasons for recommending denial.
	THERE SIGNIFICANT CONCERNS, PROBLEMS OR IMPACTS IN YOUR AREA OF REVIEW?  YES (Please describe impacts, along with recommended mitigation measures to reduce the impacts to less-than-significant levels, and attach to this letter.)  NO (Please go on to PART III.)
	ATTACHED INFORMATION ADEQUATE TO COMPLETE YOUR REVIEW?  YES (Please go on to PART II.)  NO (Call me ASAP to discuss what else you need. We have only 10 days in which we must obtain comments from outside agencies.)
	comments within 14 days from receipt of this referral. CACs please respond within 60 days. Thank sponse, please consider and/or indicate the following:
<u>APN(s)</u> : 076-2	
GUESTHOUSE DISTURBANCI	CRIPTION*: REQUEST TO CONSTRUCT A NEW SINGLE FAMILY RESIDENCE AND WHERE THE GUESTHOUSE IS MORE THAN 50 FEET FROM PRINCIPAL RESIDENCE AND SITE IS LARGER THAN ONE ACRE DUE TO NEW SEPTIC SYSTEM WITH EXPANSION FIELD AND TUS ACCESS REQUIREMENTS.
PROJECT NUI	MBER & NAME: DRC2021-00118 MERRITT MINOR USE PERMIT
FROM:	CASSIDY MCSURDY
TO:	BUILDING, CAL FIRE/COUNTY FIRE, ENV HEALTH, PUBLIC WORKS, STORM WATER, AVILA VALLEY ADVISORY COUNCIL, CA FISH & WILDLIFE, US FISH AND WILDLIFE, AB52
DATE:	6/9/2021

\*All information and/or material provided in the following Referral Package is valid for 90 days after this correspondence.

planning@co.slo.ca.us | www.sloplanning.org

After that time please contact the Project Manager for the most updated information.

ELAINE LEE design

> 3223 encinal avenue alameda, ca 94501 510.847.0377

MINOR USE PERMIT- GUESTHOUSE LOCATION/SITE DISTURBANCE SEE CANYON ROAD

revisions

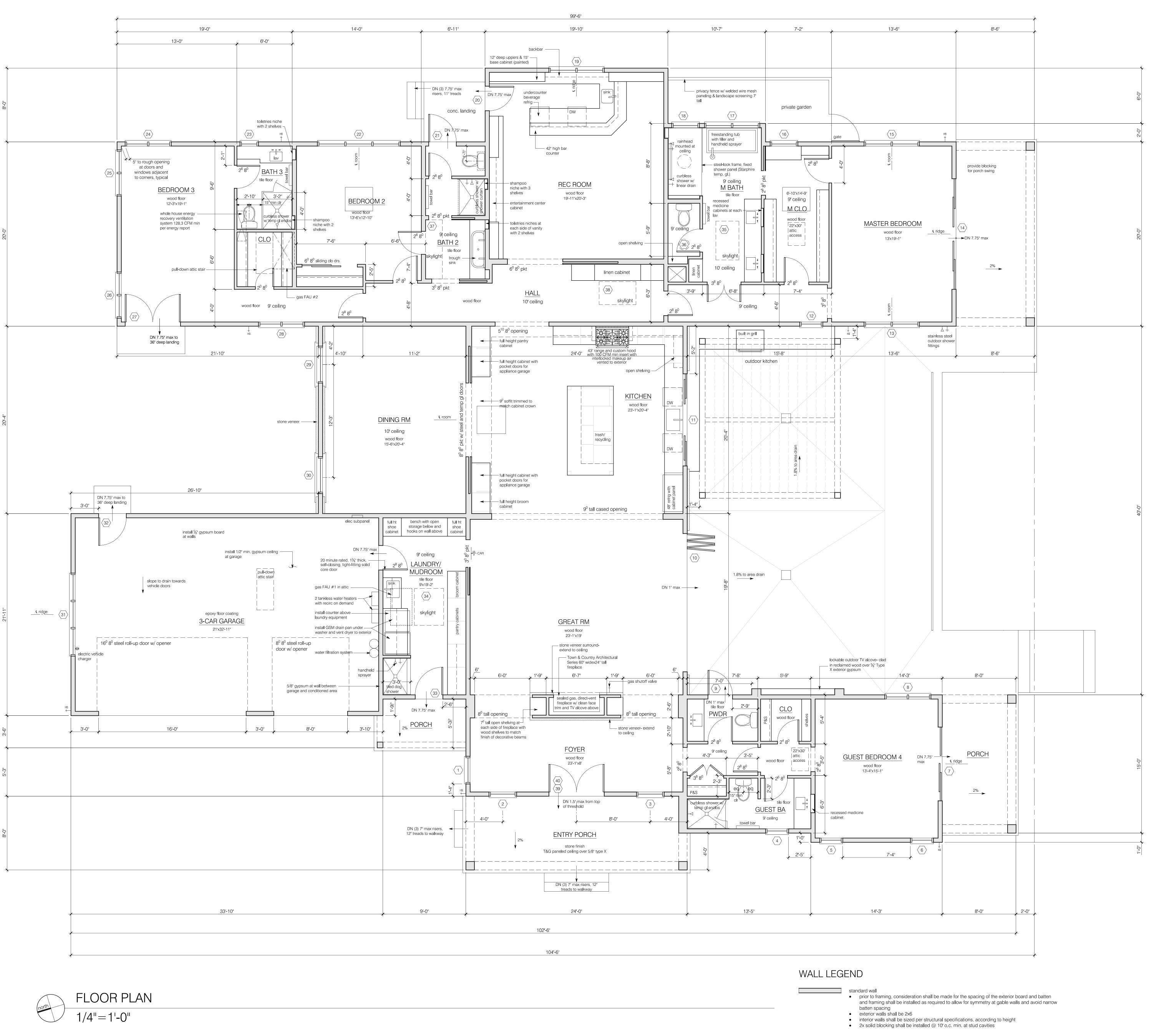
drawing title

MUP application
date: 5.21.21

scale: as noted
drawn by: EL
job: MERRITT

heet

A1
of 10 sheets



ELAINE LEE design

> 3223 encinal avenue alameda, ca 94501 510.847.0377



STHOUSE

MERRITT RESIDENCE AND DETACHED WORKS

state of the state

revisions

Cycle 1 Plan Review
date: 5.11.21
scale: as noted

drawn by: EL

job: MERRITT

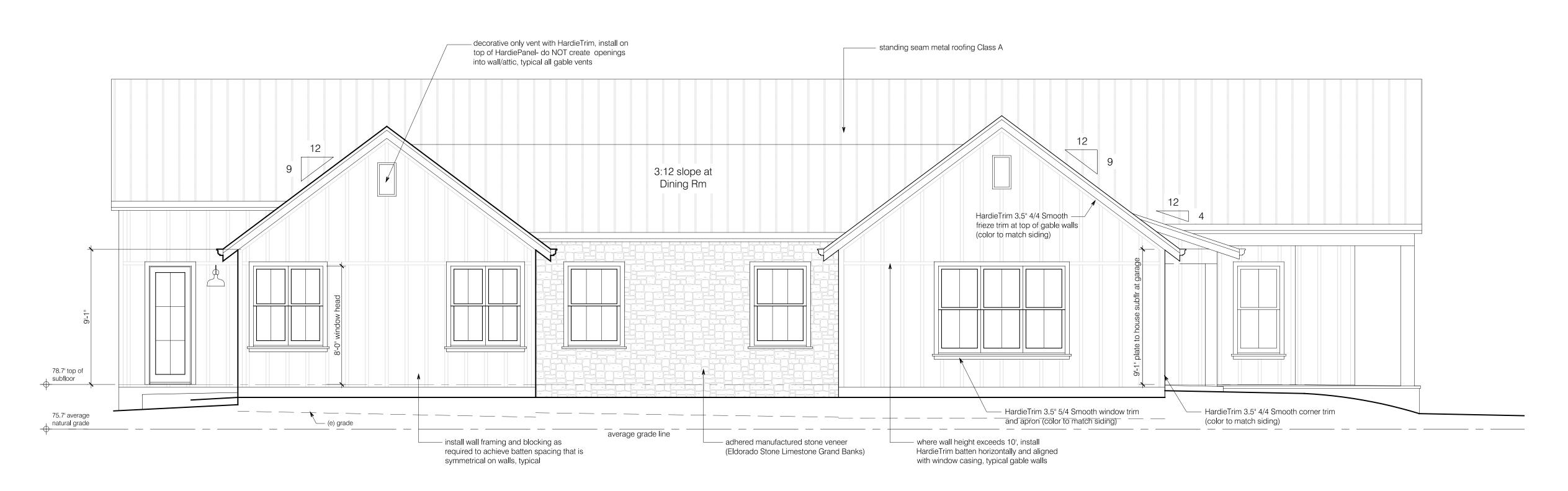
sheet

wall with Eldorado Limestone Grand Banks manufactured stone veneer

A2
of 28 sheets

doors and transom

# FRONT (WEST) ELEVATION



# LEFT-SIDE (NORTH) ELEVATION



REAR (EAST) ELEVATION

Attic shall be unvented

Grand Banks) and wainscot sill (Eldorado Split edge, White cloud)

Eave overhangs shall be 1x4 T&G paneling over  $\frac{5}{8}$ " Type X exterior gypsum Porch ceilings shall be 1x6 T&G paneling over  $\frac{5}{8}$ " Type X exterior gypsum Exterior doors shall be WUI compliant per notes, sheet A0 Windows and glazed doors shall be WUI compliant per notes, sheet A0

and apron (color to match siding)

Crawlspace shall be unvented

ELAINE LEE design

3223 encinal avenue alameda, ca 94501

drawing title

revisions

MUP application

date: 5.21.21 scale: as noted drawn by: EL

job: MERRITT sheet

drawing title

date: 5.21.21 scale: as noted drawn by: EL

job: MERRITT

sheet

WILDLAND URBAN INTERFACE NOTES:

Attic shall be unvented

Eave overhangs shall be 1x4 T&G paneling over  $\frac{5}{8}$ " Type X exterior gypsum Porch ceilings shall be 1x6 T&G paneling over 5/8" Type X exterior gypsum Exterior doors shall be WUI compliant per notes, sheet A0

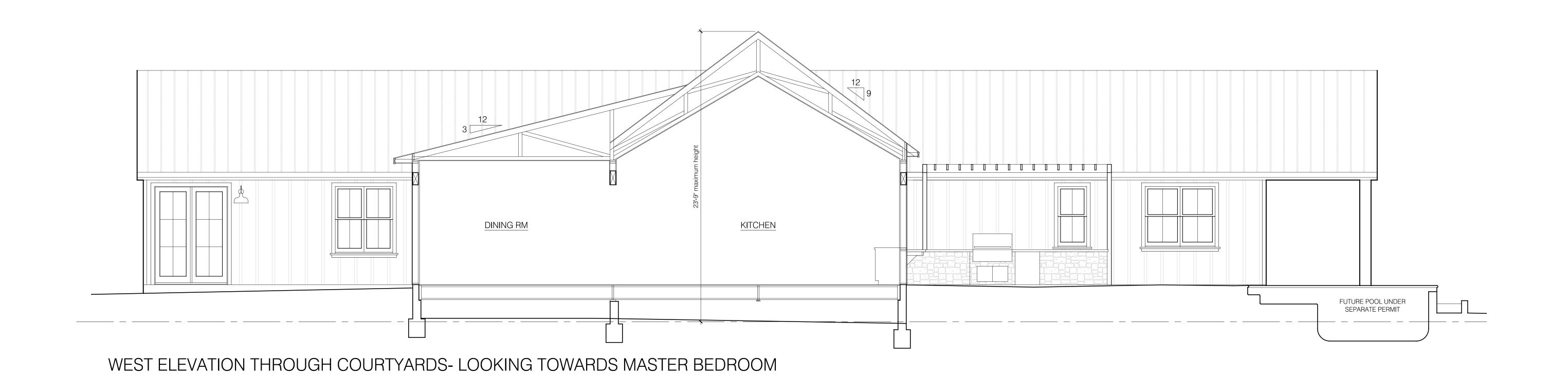
Windows and glazed doors shall be WUI compliant per notes, sheet A0

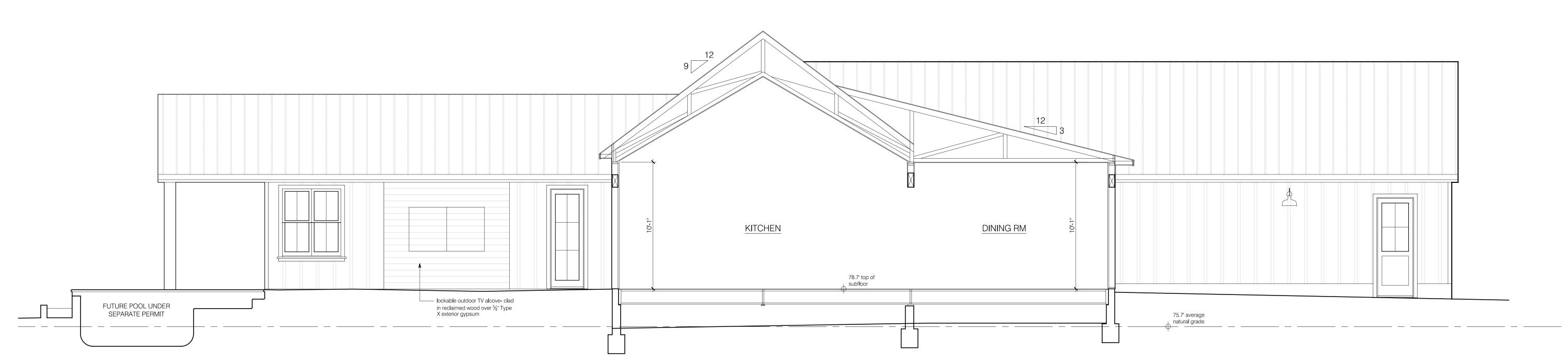
Crawlspace shall be unvented



standing seam metal roofing Class A

RIGHT-SIDE (SOUTH) ELEVATION





EAST ELEVATION THROUGH COURTYARDS- LOOKING TOWARDS GUEST BEDROOM

ELAINE LEE design 5'-0" 3223 encinal avenue alameda, ca 94501 max to landing 510.847.0377 DN 7.75" max to landing DN 7.75" max to landing BDRM LIVING AREA WORKSHOP Panasonic FV-04VE1 ERV w/ linear drain & STORAGE mini split propane tankless water heater water heater
3'-9" WORKSHOP/GUEST HOUSE PLAN 13'-10" LIVING AREA BELOW WORKSHOP BELOW LOFT 22"x30" attic access WORKSHOP LOFT PLAN drawing title revisions MUP application date: 5.21.21 STOR LIVING AREA scale: as noted BDRM BATH drawn by: EL job: MERRITT

B CROSS SECTION

1/4"=1'-0"

sheet

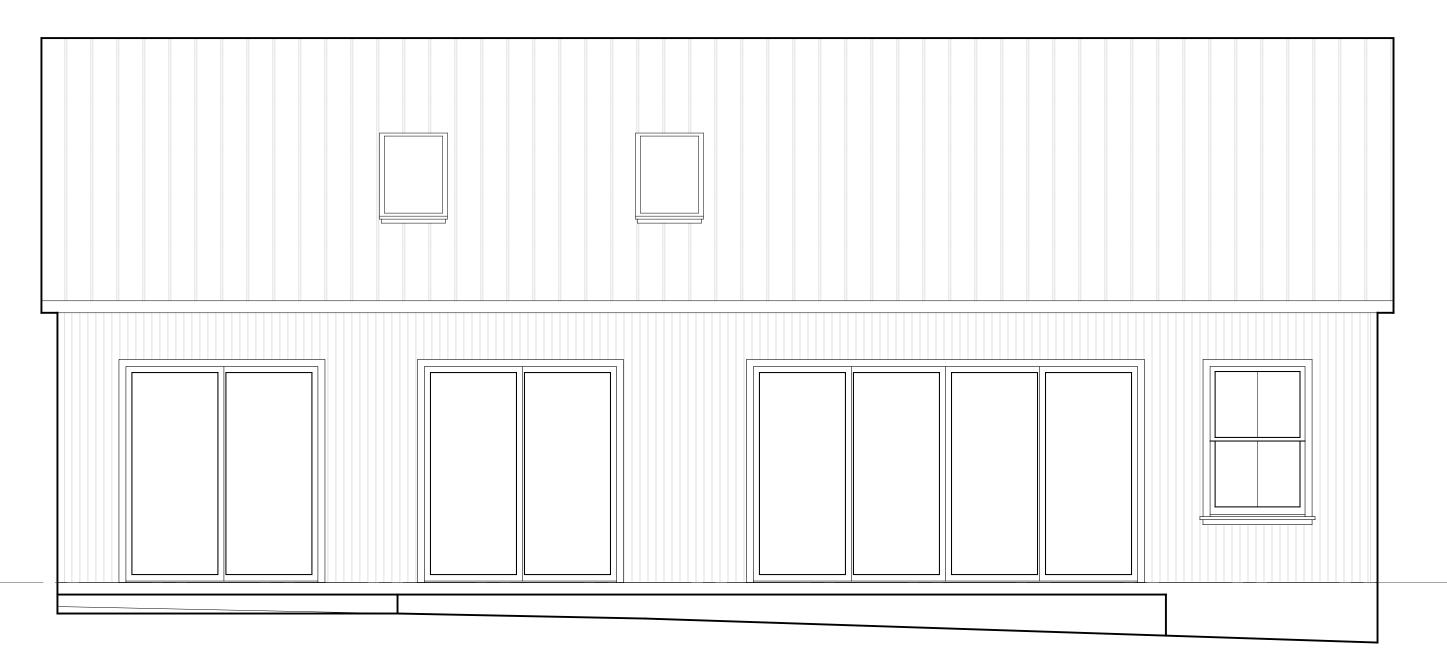
of 10 sheets

GLAZING ENERGY PERFORMANCE MINIMUMS
U-factor max SHGC max
windows 0.30 0.42
glass doors 0.34 0.46

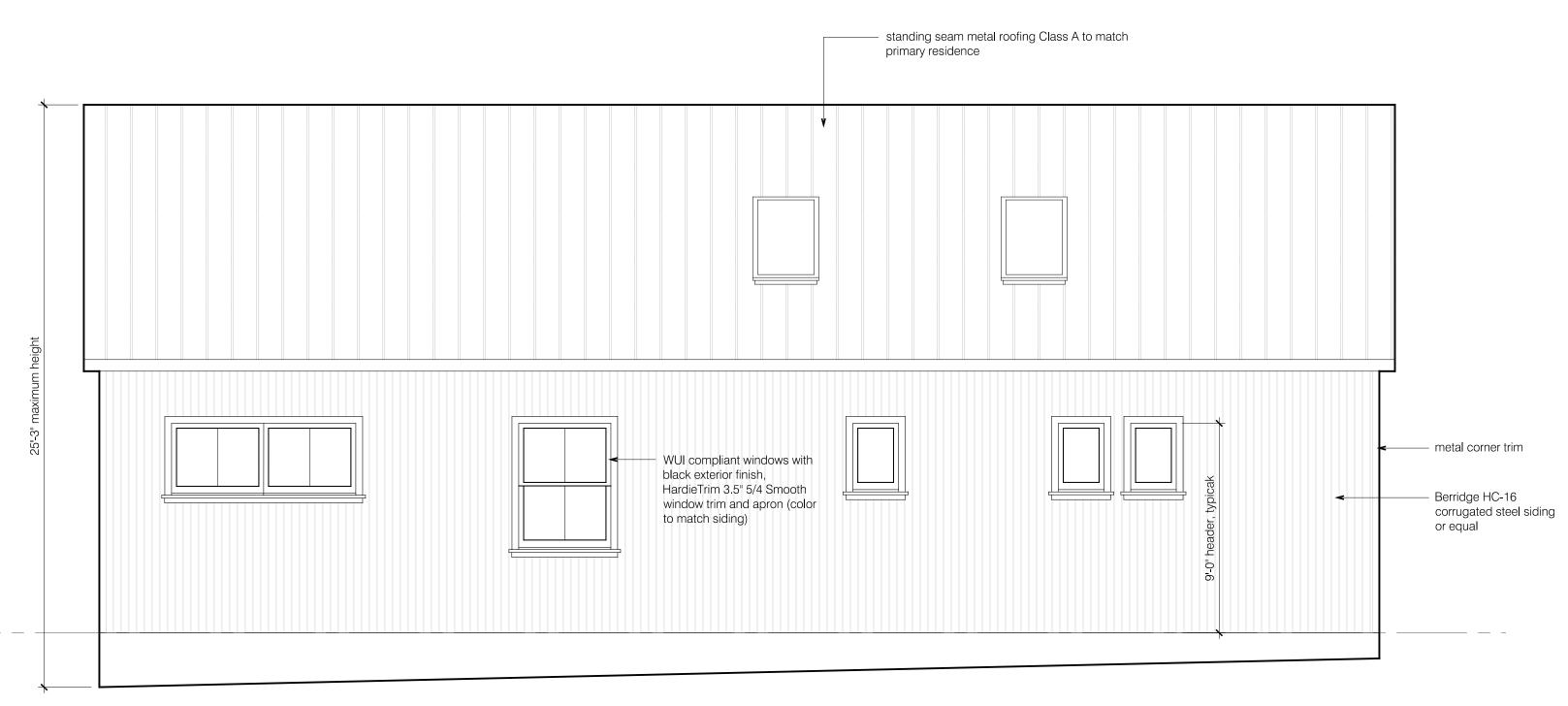
WINDOW SCHEDULE Tag Room Width Height Operation Head Ht RO Width RO Height Manufacturer Ext Finish Int Finish Comments 1 Workshop 48" 72" double hung Workshop 192" 108" sliding doors temp. gl. double hung temp. gl. sliding doors temp. gl. sliding doors temp. gl. double hung double hung temp. gl. all fiberglass, temp. gl all fiberglass, temp. gl. 24" 36" csmt

13 Loft (4) VSC06 Velux | temp. gl.

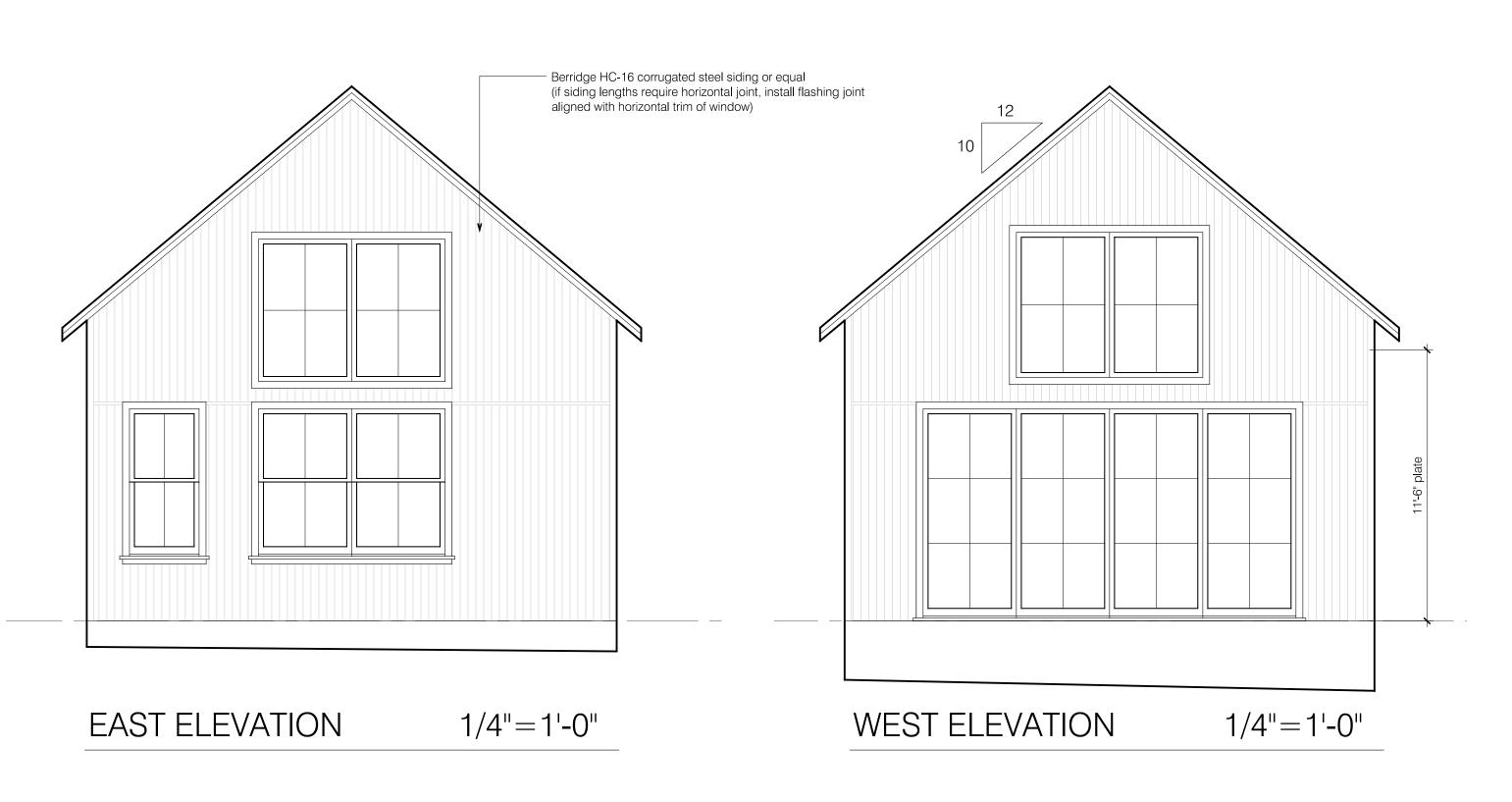
Exterior windows, window walls, glazed doors, and glazed openings within doors shall be dual-glazed units with a minimum of one tempered pane or shall have a fire-resistance rating of not less than 20 minutes when tested according to NFPA 257, or be tested to meet the performance requirements of SFM Standard 12-7A-2. Glazing frames made of vinyl shall have welded corners and metal reinforcement in the interlock area.



NORTH ELEVATION 1/4"=1'-0"



SOUTH ELEVATION 1/4"=1'-0"



A CROSS SECTION

1/4"=1'-0"

ALL WORK, MATERIALS, METHODS, ETC. SHALL CONFORM TO ALL GOVERNING CODES AND REGULATIONS THAT ARE CURRENTLY IN EFFECT:

2019 CALIFORNIA BUILDING CODE (CBC)

2019 CALIFORNIA RESIDENTIAL CODE (CRC) BASED ON 2018 IRC, 2019 CALIFORNIA ELECTRICAL CODE (CEC) BASED ON 2017 NATIONAL ELECTRICAL CODE (NEC),

2019 CALIFORNIA MECHANICAL CODE (CMC) BASED ON 2018 UNIFORM MECHANICAL CODE (UMC)

2019 CALIFORNIA PLUMBING CODE (CPC) BASED ON 2018 UNIFORM PLUMBING CODE (UPC),

2019 CALIFORNIA ENERGY CODE (CENC) 2019 CALIFORNIA FIRE CODE (CFC) BASED ON 2018 IFC,

2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), 2019 COUNTY OF SAN LUIS OBISPO CONSTRUCTION AND FIRE CODES

REMODELING OR DEMOLITION OF PRE-1978 STRUCTURES WITHOUT USING LEAD SAFE WORK PRACTICES IS A VIOLATION OF THE CALIFORNIA HEALTH AND SAFETY CODE SECTION 105256. CONTRACTORS, REMODELERS AND PAINTERS ARE REQUIRED TO USE "LEAD-SAFE" WORK PRACTICES PURSUANT TO TITLE 17, CALIFORNIA CODE OF REGULATIONS SECTION 36050.

#### **OWNER'S RESPONSIBILITIES**

- A. PRIOR TO COMMENCING CONSTRUCTION CALLED FOR BY THESE PLANS. SPECIFICATIONS AND DETAILS, THE OWNER SHALL ENGAGE A GEOTECHNICAL ENGINEER TO PROVIDE CONSTRUCTION PHASE OBSERVATION AND TESTING SERVICES AND SHALL ALSO ENGAGE THE PROJECT ENGINEER OR ANOTHER QUALIFIED PARTY TO PROVIDE PROJECT CONSTRUCTION OBSERVATION AND ASSURANCES ON CONFORMANCE WITH THE APPROVED PLANS, SPECIFICATIONS AND AGENCY REQUIREMENTS. THE OWNER SHALL ALSO ASSURE THAT CONTRACTOR(S) ENGAGED TO PROPERLY IMPLEMENT THE CONSTRUCTION CALLED FOR ON THESE PLANS, SPECIFICATIONS AND DETAILS INCLUDING THOSE TASKS CALLED FOR ON THE PROJECT STORM WATER POLLUTION PREVENTION PLAN DOCUMENT OR EROSION CONTROL PLAN SHEETS ATTACHED AS PART OF THESE
- B. GEOTECHNICAL ENGINEER'S RESPONSIBILITIES:
- 1. A GEOTECHNICAL ENGINEER SHALL REVIEW THESE PLANS WITH RESPECT TO GENERAL CONFORMANCE WITH THE INTENT OF THE RECOMMENDATIONS PRESENTED IN THE PROJECT SOILS ENGINEERING REPORT. THE PLAN REVIEW SHALL BE PERFORMED SPECIFICALLY WITH RESPECT TO GEOTECHNICAL FACTORS DISCUSSED IN THE REFERENCED REPORT. IN PERFORMING THE REVIEW, A GEOTECHNICAL ENGINEER SHALL ATTEMPT TO VERIFY THAT THE CONCEPTS AND RECOMMENDATIONS PRESENTED IN THE REPORT ARE GENERALLY INCORPORATED INTO THE PLANS. IN ACCORDANCE WITH THIS LEVEL OF REVIEW, THE PLANS ARE TO BE FOUND IN SUBSTANTIAL CONFORMANCE WITH THE CONCEPTS AND RECOMMENDATIONS PRESENTED IN THE NOTED REPORT.
- 2. UPON BEING RETAINED BY THE OWNER, PRIOR TO CONSTRUCTION THE GEOTECHNICAL ENGINEER SHALL RECOMMEND TO THE OWNER AND THE CONTRACTOR THE LEVEL OF OBSERVATION AND TESTING THAT WILL BE PROVIDED DURING CONSTRUCTION. PROVIDED THAT THE CONTRACTOR FULFILLS HIS OR HER RESPONSIBILITY FOR TIMELY REQUESTS FOR THOSE SERVICES DURING CONSTRUCTION, THE GEOTECHNICAL ENGINEER SHALL PROVIDE OBSERVATION AND TESTING AT THE PROJECT WORK AREA OF EARTHWORK OPERATIONS, INCLUDING TRENCHING AND PAVEMENT SUBGRADE PREPARATION, AS NECESSARY TO HAVE REASONABLE CERTAINTY THAT THE EARTHWORK IS PERFORMED IN GENERAL COMPLIANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS, AND WITH THE REQUIREMENTS OF SAN LUIS OBISPO COUNTY CODE CHAPTER 14 (GRADING ORDINANCE No.4766).
- 3. UPON COMPLETION OF EARTHWORK, THE GEOTECHNICAL ENGINEER SHALL, UPON REQUEST, PROVIDE A FINAL REPORT WITH RESULTS OF THEIR OBSERVATION AND TESTING DURING EARTHWORK OPERATIONS. PROVIDED THAT THE WORK IS PERFORMED IN CONFORMANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS, THE REPORT WILL STATE THEIR OPINION THAT THE GRADING WAS COMPLETED IN SUBSTANTIAL COMPLIANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
- C. CONTRACTOR'S STORM WATER POLLUTION CONTROL RESPONSIBILITIES:
- 1. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONSTRUCT AND MAINTAIN POLLUTION PREVENTION MEASURES, INCLUDING THOSE FOR EROSION AND SEDIMENT CONTROL, AS NECESSARY TO PREVENT ANY POLLUTANT AT ANY LEVEL FROM BEING CONVEYED OFF THE CONSTRUCTION SITE AND THAT THESE MEASURES MUST CONTINUE TO BE MAINTAINED UNTIL THE REQUIRED POST-CONSTRUCTION POLLUTION PREVENTION MEASURES ARE IN PLACE AND COMPLETELY FUNCTIONAL, INCLUDING PERMANENT LANDSCAPING.
- 2. THE SPECIFIC MEASURES WHICH MAY BE CALLED FOR ON THE PROJECT STORM WATER POLLUTION PREVENTION PLAN CANNOT ADDRESS ALL SITE DEVELOPMENT AND STORM CHARACTERISTICS WHICH WILL EVOLVE OVER THE COURSE OF CONSTRUCTION AND THAT IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOT ONLY IMPLEMENT THE PLAN, BUT TO MAKE ADJUSTMENTS AND EXPANSIONS IN THE IMPLEMENTATION AS NECESSARY TO ADAPT TO THE CONTRACTOR'S CONSTRUCTION OPERATIONS AND SCHEDULE AND TO ADDRESS EVOLVING SITE CONDITIONS AND ACTUAL WEATHER CONDITIONS.
- 3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE EMPLOYEES AND SUBCONTRACTORS ARE TRAINED REGARDING THESE REQUIREMENTS AND TO MAINTAIN RECORDS OF THE INSTALLATION, MODIFICATION, INSPECTION, AND MAINTENANCE OF STORM WATER POLLUTION PREVENTION MEASURES INCLUDING, BUT NOT LIMITED TO: TRAINING, INSPECTION, MAINTENANCE LOGS; RECORD DRAWINGS SHOWING LOCATIONS, LIMITS, AND DATES OF INSTALLATION FOR VARIOUS MEASURES; DATED PHOTOGRAPHS AND FIELD SKETCHES.
- 4. THE CONTRACTOR SHALL BE FAMILIAR WITH AND AGREE TO IMPLEMENT THE MEASURES AND INSTALLATIONS DEPICTED ON THE PROJECT STORM WATER POLLUTION PREVENTION PLAN INCLUDING INSTALLATION, ROUTINE INSPECTION AND MAINTENANCE, ADJUSTMENTS AND EXPANSION DUE TO EVOLVING SITE CONDITIONS, EMERGENCY MAINTENANCE AND ADJUSTMENTS DUE TO ACTUAL STORM AND SITE CONDITIONS, AND DOCUMENTATION.

# MERRITT RESIDENCE

# 1525 SEE CANYON ROAD LOT 2 AVILA BEACH, CALIFORNIA 93424

#### **VICINITY MAP**





#### **SURVEY NOTES**

EXISTING TOPOGRAPHIC AND BOUNDARY INFORMATION SHOWN HEREON PER SURVEY BY MBS DATED DECEMBER 7, 2018

#### BOUNDARY DATA: (FROM SURVEY)

BASIS OF BEARINGS: THE BASIS OF BEARING FOR THIS PROJECT IS BASED ON FOUND MONUMENTS ALONG THE EASTERLY LINE OF PARCEL 2 AS SHOWN BEARING

BENCHMARK: THE BENCH MARK USES IS USGS BM NO H 910 RESET, BEING A BRASS CAP SET IN THE TIP OF A DRAINAGE CULVERT HEADWALL LYING SOUTHERLY OF THE DRIVEWAY TO THE OLD BASSI HOUSE ON ONTARIO ROAD ELEVATION 54.50

#### **SURVEY MONUMENT PROTECTION:**

PROTECT AND PRESERVE, IN PLACE, ALL SURVEY MONUMENTS AND BENCHMARKS. DO NOT DISTURB, MOVE, OR RELOCATE MONUMENTS OR BENCHMARKS WITHOUT THE PRIOR REVIEW AND APPROVAL BY THE AGENCY HAVING JURISDICTION OVER THE MONUMENT OR BENCHMARK. THE CONTRACTOR SHALL CONTRACT WITH A LICENSED SURVEYOR FOR MONUMENTS REQUIRING DISTURBANCE OR REMOVAL, AND THE SURVEYOR SHALL RESET THE MONUMENTS OR PROVIDE PERMANENT WITNESS MONUMENTS AND FILE THE REQUIRED DOCUMENTATION WITH THE AUTHORITY HAVING JURISDICTION, PURSUANT TO ALL APPLICABLE BUSINESS AND PROFESSIONAL CODES.

#### PROJECT INFORMATION

**AUDREY AND JOHN MERRITT** 1118 BAY STREET ALAMEDA, CA 94501 ELAINE LEE DESIGN 3223 ENCINAL AVENUE ALAMEDA, CA 94501 GEOSOULTIONS, INC. 220 HIGH STREET SAN LUIS OBISPO, CA 93401 3559 SOUTH HIGUERA STREET SAN LUIS OBISPO, CA 93401 SITE AREA: 3.25 AC AREA DISTURBED: **GRADING INFORMATION\*** 

NET QUANTITY: 800 CUBIC YARDS FILL \*NOTE: THE ABOVE QUANTITIES ARE FOR PLANNING AND PERMITTING PURPOSES ONLY. SHRINKAGE; CONSOLIDATION AND SUBSIDENCE FACTORS; LOSSES DUE TO CLEARING AND DEMOLITION OPERATIONS; AND TRENCHING FOR UTILITIES AND FOUNDATIONS ARE NOT INCLUDED. ESTIMATED EARTHWORK QUANTITIES ARE BASED ON THE APPROXIMATE DIFFERENCE BETWEEN EXISTING GRADES AND PROPOSED FINISHED GRADES OR PAVEMENT SUBGRADES, AS INDICATED ON THE PLANS, AND SHOULD VARY ACCORDING TO THESE FACTORS AND LOSSES. THE CONTRACTOR SHALL PERFORM AN EARTHWORK ESTIMATE FOR THE PURPOSE OF PREPARING A LUMP SUM BID PRICE FOR EARTHWORK. THE BID PRICE SHALL INCLUDE COSTS FOR ANY NECESSARY IMPORT AND PLACEMENT OF EARTH

MATERIALS OR THE EXPORT AND PROPER DISPOSAL OF EXCESS EARTH MATERIALS.

## **UTILITY PURVEYORS**

ELECTRICITY: P G & E COMPANY 406 HIGUERA ST SAN LUIS OBISPO, CA 93401

805-743-5000

NATURAL GAS: SOUTHERN CALIFORNIA GAS COMPANY

MONTEREY PARK, CA 91756 (800)-427-2200

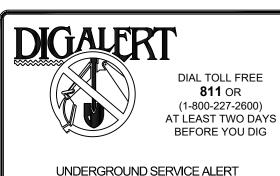
TELEPHONE: A T & T

994 MILL ST.

SAN LUIS OBISPO, CA 93402 1-800-750-2355

CHARTER COMMUNICATIONS 7775 SAN LUIS AVE. ATASCADERO, CA 93422

#### **DIG ALERT**



PRIOR TO COMMENCING OF ANY EXCAVATION, DIGGING, POT HOLING, ETC. CALL DIG ALERT FOR ASSIGNMENT OF AN INQUIRY ID NUMBER, BECAUSE NO EARTH WORK SHALL COMMENCE UNLESS THE CONTRACTOR HAS OBTAINED THIS AND EACH UTILITY OR OWNER OF SUBSURFACE FACILITIES HAS LOCATED AND MARKED THEIR SUBSURFACE FACILITIES IN THE AREA

PRE-CONSTRUCTION MEETING REQUIRED WITH INSPECTOR

CALL MICHELLE FREEMAN SLO COUNTY AT 805-781-5707.

SCOPE OF WORK , PAD FOR , XXX LF OF SITE RETAINING WALL

	SD	STORM DRAINAGE
	W	- WATER SERVICE
	G	- GAS
	s	SANITARY SEWER
	—— E ————	POWER ELECTRICAL
	<b>— &gt;</b>	- DITCH / FLOWLINE
	· · · · · · · · · · · · · · · · · · ·	- GRADING LIMIT
Y	Y	- GRADE SLOPE
		PROPERTY LINE
		- CENTERLINE
		- SAWCUT

#### STANDARD ABBREVIATIONS

AC	ASPHALTIC CONCRETE	IE	INVERT ELEVATION
BLDG	BUILDING	INV	INVERT
BCR	BEGIN CURB RETURN	LA	LANDSCAPE AREA
BVC	BEGIN VERTICAL CURVE	NG	NATURAL GRADE
BW	BOTTOM OF WALL	PA	PLANTER AREA
СВ	CATCH BASIN	PCC	PORTLAND CEMENT CONCRETE
C/L	CENTERLINE	P/L	PROPERTY LINE
CMU	CONCRETE MASONRY UNIT		-
CONC	CONCRETE	POC	POINT OF CONNECTION
		PS	PARKING STRIPE
DW	DRIVEWAY	PVC	POLYVINYL CHLORIDE
ECR	END CURB RETURN	RW	RIGHT OF WAY
EG	EXISTING GRADE		
EP	EDGE OF PAVEMENT	SD	STORM DRAIN
EVC	END VERTICAL CURVE	SG	SUB-GRADE ELEVATION
		SS	SANITARY SEWER
FF	FINISHED FLOOR	TC	TOP OF CURB, CONCRETE
FG	FINISHED GRADE	TE	TOP OF FOOTING
FH	FIRE HYDRANT	TF	TOP OF FOOTING
FL	FLOW LINE	TG	TOP OF GRATE
		TW	TOP OF WALL
FS	FINISHED SURFACE	VC	VERTICAL CURVE
GB	GRADE BREAK		

#### SHEET INDEX

### Sheet Number Sheet Title

C-1.0	TITLE SHEET
C-1.1	NOTES SHEET
C-2.0	IMPROVEMENT PLAN
C-3.0	DETAIL SHEET
C-4.0	<b>EROSION CONTROL PLAN</b>

Project Engineer: KEA

The use of these plans and specifications shall be

in whole or in part, is prohibited. Title to these plans and

specifications remain with Ashley & Vance Engineering Inc. without prejudice. Visual contact with these plans

and specifications shall constitute prima facie evidence

restricted to the original site for which they were prepared and publication thereof is expressly limited to

of the acceptance of these restrictions.

Date: 12/21/2020 Scale: PER PLAN AV Job No: 191548 Sheet Size: 30" x 42"

Project Manager: KBB

TITLE SHEET

2. IN THE EVENT OF A CONFLICT BETWEEN ANY REFERENCED STANDARD, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.

STORMWATER POLLUTION PREVENTION REQUIREMENTS PER COUNTY OF SAN LUIS OBISPO AND SWRCB.
 A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN

5. BEFORE BEGINNING WORK, CONTRACTOR SHALL CONFIRM WITH AGENCIES HAVING JURISDICTION THAT ALL REQUIRED PERMITS AND LICENSES HAVE BEEN OBTAINED AND ALL REQUIRED NOTICES

 UNDERGROUND AND OVERHEAD CONSTRUCTION IN ADDITION TO WHAT IS SHOWN ON THESE PLANS MAY BE PART OF THIS PROJECT, INCLUDING ARCHITECTURAL AND LANDSCAPE ARCHITECTURAL

IMPROVEMENTS. ADDITIONAL PERMITS MAY BE REQUIRED.

A. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK AND INTERFACING IMPROVEMENTS WITH WORK BY OTHER CONTRACTORS AT THIS JOB SITE AND WITH IMPROVEMENTS

B. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR BUILDING AND SITE LAYOUT

C. CONTRACTOR SHALL REFER TO ARCHITECTURAL AND LANDSCAPE ARCHITECTURAL PLANS AND SPECIFICATIONS FOR SITE DEVELOPMENT CONSTRUCTION DETAILS AND DIMENSIONING, INCLUDING THOSE FOR BUILDINGS, PATIOS, WALKWAYS, DRIVEWAYS, WALLS/FENCES, PLUMBING, ELECTRICAL, UTILITIES, LANDSCAPING, AND IRRIGATION.

7. ALL SITE WORK AND TESTING SHALL BE DONE IN CONFORMANCE WITH THE RECOMMENDATIONS

CONTAINED IN THE FOLLOWING GEOTECHNICAL ENGINEERING REPORT FOR THIS PROJECT:

PREPARED BY: GEOSOLUTIONS, INC. PROJECT SL11101-1, DATED JUNE 16, 2020

D. THIS REPORT AND ANY ADDENDA SHALL BE INCORPORATED INTO THESE PLANS AND MADE A PART

HEREOF AS IF SPELLED OUT IN THEIR ENTIRETY HEREON. IT IS THE CONTRACTOR'S RESPONSIBILITY

GEOTECHNICAL ENGINEER TO OBTAIN OR REVIEW COPIES OF THESE REPORTS AND ADDENDA.

E. PRIOR TO BIDDING, CONTRACTOR SHALL CONTACT THE GEOTECHNICAL ENGINEER TO DETERMINE THE LOCATION AND DEPTH OF ALL TEST BORINGS AND EXPLORATORY PITS AND EXCAVATIONS. CONTRACTOR SHALL DETERMINE FROM THE GEOTECHNICAL ENGINEER WHAT REMEDIAL WORK IS RECOMMENDED TO MAKE THESE DISTURBED LOCATIONS SUITABLE FOR THE PROPOSED IMPROVEMENTS. CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS FOR THE RECOMMENDED REMEDIAL WORK AND SHALL ADJUST HIS OPERATIONS TO PROPERLY SEQUENCE THE WORK TO ACCOMMODATE REMEDIAL WORK WITH CONSTRUCTION OF PROPOSED IMPROVEMENTS.

TO REVIEW THE APPLICABLE GEOTECHNICAL REPORTS. CONTRACTOR SHALL CONTACT THE

8. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH APPLICABLE HEALTH AND SAFETY LAWS, ORDINANCES, REGULATIONS, RULES, AND STANDARDS INCLUDING ALL REQUIREMENTS OF CAL-OSHA AND OSHA.

9. ALL UNSUITABLE CONSTRUCTION MATERIALS AND RUBBISH AND DEBRIS SHALL BE REMOVED FROM THE JOB SITE; TRANSPORTED TO A SUITABLE LOCATION, AND DISPOSED OF IN A PROPER AND LEGAL

MANNER.

10. ALL WORK INVOLVING EXCAVATION, INCLUDING THAT FOR WATER, SEWER, STORM DRAIN AND UTILITY CONDUITS AND ALL SERVICE CONNECTIONS AND METER BOXES (NOT PERMITTED IN DRIVEWAYS)

SHALL BE COMPLETED AND OBSERVED AND APPROVED BY THE AGENCY HAVING JURISDICTION AND

GEOTECHNICAL ENGINEER BEFORE AGGREGATE BASE, PAVING AND OTHER PERMANENT SURFACE

THE STRUCTURAL BACKFILL OBSERVED AND TESTED FOR COMPACTION AND APPROVED BY THE

CONSTRUCTION MAY COMMENCE.

11. BEFORE COMMENCING EXCAVATION, CONTRACTOR SHALL CONTACT PUBLIC WORKS AND UTILITY COMPANIES OR OTHER OWNERS OF SUBSURFACE FACILITIES WITHIN THE WORK SITE AND SHALL VERIFY WHETHER OR NOT A REPRESENTATIVE WILL BE PRESENT BEFORE AND/OR DURING

EXCAVATION AND SHALL DETERMINE SITE SPECIFIC REQUIREMENTS FOR EXCAVATION

OBSERVED AND TESTED WILL BE SUBJECT TO REJECTION.

ALL REQUIREMENTS OF CAL-OSHA AND OSHA.

APPROVED IN WRITING BY PREPARER.

12. CONTRACTOR SHALL NOTIFY PUBLIC WORKS, BUILDING AND SAFETY, UTILITY COMPANIES, GEOTECHNICAL ENGINEER, AND ENGINEER OF RECORD, AT LEAST 48 HOURS BEFORE START OF ANY CONSTRUCTION AND OF THE TIME AND LOCATION OF PRE-CONSTRUCTION CONFERENCE, AND SHALL DETERMINE FROM EACH PARTY THEIR SCOPE OF WORK TO BE OBSERVED AND BY WHOM, AND SCOPE OF TESTING. DURING THE COURSE OF WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR OBSERVATION AND TESTING AS STIPULATED PURSUANT TO ABOVE DETERMINATIONS. WORK NOT

13. CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN SUCH SHEETING, SHORING, BRACING, AND/OR OTHER PROTECTION AS IS NECESSARY TO PREVENT FAILURE OF TEMPORARY EXCAVATIONS AND EMBANKMENTS AND TO PREVENT DAMAGE TO EXISTING IMPROVEMENTS, TEMPORARY IMPROVEMENTS, AND PARTIALLY COMPLETED PORTIONS OF THE WORK. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SUFFICIENCY OF SUCH SUPPORTS AND/OR OTHER PROTECTION PER

14. CONTRACTOR SHALL PROMPTLY NOTIFY ENGINEER OF RECORD AND AUTHORITY HAVING JURISDICTION BY TELEPHONE AND IN WRITING UPON DISCOVERY OF, AND BEFORE DISTURBING ANY PHYSICAL COUNTIONS DIFFERING FROM THOSE REPRESENTED BY APPROVED PLANS AND

15. CONTRACTOR SHALL MAINTAIN A COMPLETE AND ACCURATE RECORD OF ALL CHANGES OF CONSTRUCTION FROM THAT SHOWN ON THESE PLANS AND SPECIFICATIONS FOR THE PURPOSE OF PROVIDING A BASIS FOR CONSTRUCTION OF RECORD DRAWINGS. NO CHANGES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF ENGINEER OF RECORD AND AUTHORITY HAVING JURISDICTION. UPON COMPLETION OF THE PROJECT, CONTRACTOR SHALL DELIVER THIS RECORD OF ALL CONSTRUCTION CHANGES TO ENGINEER ALONG WITH A LETTER WHICH DECLARES THAT, OTHER THAN THESE NOTED CHANGES, "THE PROJECT WAS CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS."

WARNING: ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THESE PLANS MUST BE

16. CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS 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. CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONALS HARMLESS FROM ALL LIABILITY AND CLAIMS REAL OR ALL FGED. IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.

AND ACCEPTS LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONALS.

17. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VEHICULAR AND PEDESTRIAN TRAFFIC CONTROL AND SAFETY AND SHALL FURNISH, INSTALL, AND MAINTAIN SUCH FENCING, SIGNS, LIGHTS, TRENCH PLATES, BARRICADES, AND/OR OTHER PROTECTION AS IS NECESSARY FOR SAID CONTROL AND

18. CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR PROTECTION OF PUBLIC AND PRIVATE PROPERTY AT OR IN THE VICINITY OF THE JOB SITE AND FURTHER AGREES TO, AT CONTRACTOR'S EXPENSE, REPAIR OR REPLACE TO ORIGINAL CONDITION, ALL EXISTING IMPROVEMENTS WITHIN OR IN THE VICINITY OF THE JOB SITE WHICH ARE NOT DESIGNATED FOR REMOVAL AND WHICH ARE DAMAGED OR REMOVED AS A RESULT OF CONTRACTOR'S OPERATIONS.

SOILS SPECIAL INSPECTION ENGINEER:

NAME:

#### GENERAL GRADING NOTES

1. GRADING SHALL BE IN CONFORMANCE WITH RECOMMENDATIONS MADE BY THE GEOTECHNICAL ENGINEER DURING OBSERVATION AND TESTING OF SITE DEMOLITION, PREPARATION, GRADING, AND DEVELOPMENT WORK. FOR ANY CONFLICT BETWEEN THESE PLANS AND THE RECOMMENDATIONS AND/OR SPECIFICATIONS OF THE GEOTECHNICAL ENGINEER, THE MORE STRINGENT PROVISION SHALL GOVERN.

2. AREAS TO BE GRADED SHALL BE CLEARED OF ALL VEGETATION (EXCEPT TREES INDICATED TO REMAIN), INCLUDING ROOTS AND ROOT STRUCTURES, OTHER ORGANIC MATERIAL, DEBRIS, NON-COMPLYING FILL, AND OTHER MATERIAL UNSUITABLE FOR SUPPORT OF FILL AND/OR PROPOSED IMPROVEMENTS, AS RECOMMENDED BY AND UNDER THE OBSERVATION AND TESTING OF THE GEOTECHNICAL ENGINEER. CALL THE INSPECTOR FOR INITIAL INSPECTION.

 ALL UNSUITABLE SOIL MATERIALS AND RUBBISH AND DEBRIS RESULTING FROM DEMOLITION AND GRADING OPERATIONS SHALL BE REMOVED FROM THE JOB SITE; TRANSPORTED TO A SUITABLE I OCATION AND DISPOSED OF IN A PROPER AND LEGAL MANNER.

AREAS TO RECEIVE FILL MATERIAL AND AREAS TO RECEIVE BUILDINGS, EXTERIOR SLABS, WALKWAYS, WALLS, PAVEMENT AND OTHER STRUCTURAL IMPROVEMENTS SHALL BE PREPARED AS RECOMMENDED BY AND UNDER THE OBSERVATION AND TESTING OF THE GEOTECHNICAL ENGINEER. RECOMMENDATIONS FOR OVER EXCAVATION, ADDITIONAL SCARIFICATION, BACKFILL AND RECOMPACTION ARE CONTAINED IN THE PROJECT GEOTECHNICAL REPORT REFERENCED IN THE GENERAL NOTES ON THESE PLANS.

GENERAL NOTES ON THESE PLANS.
5. PRIOR TO PLACEMENT OF FILL AND BACKFILL MATERIAL, THE PREPARED AREA SHALL BE INSPECTED AND APPROVED BY THE INSPECTOR. THE GEOTECHNICAL ENGINEER SHALL ALSO OBSERVE THE AREAS TO BE FILLED. ALLOW A MINIMUM 48-HOUR NOTICE. FILL AND BACKFILL PLACED ON THE PREPARED AREA WITHOUT THE REQUIRED OBSERVATION SHALL BE REMOVED.

6. ALL FILL MATERIAL, WHETHER EXCAVATED ON-SITE OR IMPORTED FROM OFF-SITE, SHALL BE TESTED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT. IMPORTED FILL MATERIAL SHALL BE EQUAL TO OR BETTER IN QUALITY THAN THE ON-SITE SOILS AND SHALL CONFORM TO THE RECOMMENDATION OF THE GEOTECHNICAL ENGINEER. THE GEOTECHNICAL ENGINEER SHALL TEST AND APPROVE THE SOIL PROPOSED FOR IMPORT FOR STRUCTURAL FILL PRIOR TO IMPORTATION TO THE SITE. THE LANDSCAPE ARCHITECT AND THE GEOTECHNICAL ENGINEER SHALL TEST AND APPROVE THE SOIL PROPOSED FOR IMPORT FOR LANDSCAPE AREA SURFACE MATERIAL PRIOR TO IMPORTATION TO THE SITE

CONTRACTOR SHALL REFER TO THE FOLLOWING AS APPLICABLE:
- ARCHITECT'S PLANS FOR ADDITIONAL GRADING REQUIREMENTS IN BUILDING AREAS.
- LANDSCAPE ARCHITECT'S PLANS FOR TREE PRESERVATION REQUIREMENTS AND FOR SUBGRADE

PUBLIC IMPROVEMENT PLANS FOR INTERFACING WITH PUBLIC GRADING, PAVING, STORM DRAINAGE AND UTILITY IMPROVEMENTS.
 WHERE PLANTER AREAS ARE SHOWN ON THE PLANS ADJACENT TO BUILDINGS AND ARE CONTAINED BY WALKS / FLATWORK LESS THAN 8" BELOW BOTTOM OF SILL PLATE OR WHERE ADJACENT FINISH GRADE OUTSIDE A BUILDING IS SHOWN TO BE LESS THAN 8" BELOW BOTTOM OF SILL PLATE, IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT BUILDING PLANS CALL FOR APPROPRIATE

BUILDING APPLICABLE CODE REQUIREMENTS.

9. PLAN ELEVATIONS SHOWN ON SOIL AND LANDSCAPED AREAS ARE FINISH GRADE (FINISH SURFACE) ELEVATIONS INTENDED TO ESTABLISH SURFACE DRAINAGE CONTROL FOR THESE AREAS. DURING GRADING OPERATIONS, THICKNESSES (SUBGRADE ALLOWANCES) SPECIFIED BY LANDSCAPE ARCHITECT FOR TURF, WOOD CHIPS, MULCH, ETC. SHALL BE SUBTRACTED FROM THESE ELEVATIONS

DAMPPROOF OR WATERPROOF CONSTRUCTION AND IS CONSTRUCTED IN ACCORDANCE WITH ALL

10. BEFORE PLACEMENT OF AGGREGATE BASE OR SUBBASE MATERIAL IN PAVEMENT AREAS, THE SUBGRADE SOIL SHALL BE REVIEWED AND TESTED BY THE GEOTECHNICAL ENGINEER. DURING PAVING OPERATIONS, STRUCTURAL SECTION COMPACTION SHALL BE OBSERVED AND TESTED BY THE

11. QUALITY REVIEW AND REPORTING REQUIREMENTS.

TO ESTABLISH FINISH SUBGRADE.

ALLOWANCES IN LANDSCAPE AREAS.

A. GRADING AND IMPROVEMENTS FOUND NOT IN CONFORMANCE WITH APPROVED PLANS AND DESIGN INTENT SHALL BE CORRECTED BY CONTRACTOR AT CONTRACTOR'S EXPENSE. ADDITIONAL SURVEYING TO CONFIRM ELEVATIONS AFTER CORRECTIVE MEASURES SHALL ALSO BE AT CONTRACTOR'S EXPENSE.

REQUIREMENTS FOR VARIOUS SURFACING CONDITIONS ARE AS FOLLOWS:

- DIRT: NOT LESS THAN 2% (1/4" PER FOOT) SLOPE IN DIRECTION OF SURFACE DRAINAGE AND 0.10 FOOT MAXIMUM DEVIATION FROM DESIGN ELEVATION AT ANY LOCATION

- A.C. PAVEMENT: NOT LESS THAN 1% (1/8 INCH PER FOOT) SLOPE IN DIRECTION OF SURFACE DRAINAGE AND 0.04 FOOT MAXIMUM DEVIATION FROM DESIGN ELEVATION AT ANY LOCATION
 - CONCRETE: NOT LESS THAN 0.5% (1/16 INCH PER FOOT) SLOPE IN DIRECTION OF SURFACE DRAINAGE AND 0.02 FOOT MAXIMUM DEVIATION FROM DESIGN ELEVATION AT ANY LOCATION UNLESS NOTED OTHERWISE ON PLANS.

#### TRENCHING AND BACKFILL NOTES:

ALL TRENCHING, BEDDING AND BACKFILL MATERIAL AND CONSTRUCTION, SHALL BE IN ACCORDANCE WITH THESE PLANS INCLUDING THE PIPE TRENCH DETAIL.

TRENCH OR STRUCTURE EXCAVATION SUBGRADE SHALL BE OBSERVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF BEDDING MATERIAL OR FORMS. WET OR UNSTABLE SOIL ENCOUNTERED IN THE BOTTOM OF THE EXCAVATION AND DEEMED BY THE GEOTECHNICAL ENGINEER TO BE INCAPABLE OF PROPERLY SUPPORTING THE PIPE OR STRUCTURE BEING CONSTRUCTED, SHALL BE REMOVED TO THE DEPTH RECOMMENDED BY THE GEOTECHNICAL ENGINEER AND THE EXCAVATION BACKFILLED TO THE BOTTOM OF THE PIPE OR STRUCTURE GRADE WITH SUITABLE MATERIAL RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

WATER ENCOUNTERED IN TRENCH OR STRUCTURE EXCAVATION SHALL BE REMOVED BY THE CONTRACTOR TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER TO PROVIDE DRY CONDITIONS DURING CONSTRUCTION OF PIPE OR STRUCTURE.

. BEDDING AND BACKFILL MATERIAL AND COMPACTED DENSITY, SHALL BE TESTED FOR COMPLIANCE WITH APPLICABLE REQUIREMENTS BY THE GEOTECHNICAL ENGINEER.

BEDDING AND PIPE ZONE BACKFILL MATERIAL, SHALL BE COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DENSITY. TRENCH BACKFILL SHALL BE COMPACTED TO NOT LESS THAN 90% OF MAXIMUM DENSITY. THE UPPER 12" BELOW THE BASE OR SUB-BASE COURSE IN PAVED AND OTHER TRAFFIC AREAS AND BELOW THE CONCRETE OR SAND COURSE IN WALKWAY AREAS SHALL BE COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DENSITY. BACKFILL COMPACTION SHALL BE TESTED FOR COMPLIANCE WITH THESE REQUIREMENTS IN ACCORDANCE WITH ASTM D-1557, LATEST REVISION,

6. CLASS I OR CLASS II (TRENCH) BACKFILL SHALL NOT BE PLACED UNTIL BEDDING AND INITIAL (PIPE ZONE) BACKFILL HAVE BEEN OBSERVED, TESTED AND APPROVED.

7. COMPACTION BY FLOODING OR JETTING IS NOT PERMITTED.

AND REPORTED BY THE GEOTECHNICAL ENGINEER.

8. CONTRACTOR SHALL REVIEW THE GEOTECHNICAL REPORT(S), THE PROJECT WORK AREA AND VICINITY, AND SHALL FAMILIARIZE HIMSELF WITH THE WORK AREA CONDITIONS. CONTRACTOR SHALL MAKE HIS OWN DEDUCTIONS AND CONCLUSIONS AS TO HOW EXISTING SURFACE AND SUB-SURFACE CONDITIONS WILL AFFECT OR BE AFFECTED BY HIS CONSTRUCTION OPERATIONS, INCLUDING THE NATURE OF MATERIALS TO BE EXCAVATED. THE DEGREE OF DIFFICULTY ASSOCIATED WITH MAKING AND MAINTAINING THE REQUIRED EXCAVATIONS, AND THE DEGREE OF DIFFICULTY WHICH MAY ARISE FROM SUBSURFACE CONDITIONS INCLUDING GROUNDWATER, AND SHALL ACCEPT FULL

ALONG AND BEHIND THE TRENCH SAWCUT LINES DURING CONSTRUCTION. IF THIS PAVEMENT IS BROKEN-OFF OR OTHERWISE DAMAGED BEFORE NEW PAVEMENT IS PLACED, CONTRACTOR SHALL SAWCUT A NEW CONFORM LINE PARALLEL WITH, FULL LENGTH OF, AND SUFFICIENT DISTANCE (1-FOOT MINIMUM) BEHIND ORIGINAL SAWCUT SO AS TO REMOVE DAMAGED PAVEMENT AND / OR IRREGULARITY ALONG THE CONFORM LINE.

9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THE INTEGRITY OF EXISTING PAVEMENT

#### TABLE 1705.6 - INSPECTION OF SOILS CONTINUOUS PERIODIC TYPE NOTES SPECIAL SPECIAL INSPECTION INSPECTOIN VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL PRIOR TO PLACEMENT OF COMPACTED FILL. INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY

#### DEMOLITION NOTES

1. THE EXISTENCE AND APPROXIMATE LOCATIONS OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY THE AVAILABLE RECORDS PROVIDED. THE CIVIL ENGINEER ASSUMES NO LIABILITY AS TO THE EXACT LOCATION OF SAID LINES, NOR FOR UTILITY OR IRRIGATION LINES WHOSE LOCATIONS ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO WORK OR POTHOLE TO DETERMINE THE EXACT LOCATIONS OF ALL LINES AFFECTING THIS WORK, WHETHER OR NOT SHOWN HEREON. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OR PROTECTION OF ALL EXISTING UTILITY LINES.

THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION OF THE SITE AND SHALL REMOVE AND DISPOSE OF ALL STRUCTURES ABOVE AND OR BELOW GROUND UNLESS NOTED OTHERWISE. ANY HAZARDOUS MATERIALS ENCOUNTERED SHALL BE HANDLED AND REMOVED AS REQUIRED BY LOCAL AND/OR STATE LAWS AT NO COST TO THE OWNER.

3. THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID DAMAGE TO EXISTING HARDSCAPE IMPROVEMENTS, UTILITY FACILITIES, AND LANDSCAPING FEATURES THAT ARE NOT AFFECTED BY

4. ALL JOIN LINES SHALL BE SAWCUT ON A NEAT, STRAIGHT LINE PARALLEL WITH THE JOIN. THE CUT EDGE SHALL BE PROTECTED FROM CRUSHING, AND ALL BROKEN EDGES SHALL BE RE-CUT PRIOR TO JOINING.

5. ALL EXISTING OBJECTIONABLE MATERIALS THAT CONFLICT WITH PROPOSED IMPROVEMENTS

INCLUDING, BUT NOT LIMITED TO, BUILDING FOUNDATIONS, UTILITIES, APPURTENANCES, TREES, SIGNS, STRUCTURES, ETC. SHALL BE REMOVED AND DISPOSED BY THE CONTRACTOR AT NO COST TO THE OWNER, UNLESS NOTED OTHERWISE HEREIN, OR AS DIRECTED BY THE CONSTRUCTION MANAGER.

6. THE CONTRACTOR SHALL PROTECT ALL EXISTING STREETS FROM DAMAGES CAUSED BY HIS

OPERATIONS. ANY CURBS DAMAGED DURING HIS OPERATIONS SHALL BE SAWCUT AND REPLACED AT

REPLACED SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO THE COMMENCEMENT OF WORK.

7. THE CONTRACTOR SHALL PERFORM AND BE RESPONSIBLE FOR ALL CLEARING AND GRUBBING OPERATIONS AS NECESSARY TO COMPLETE THE WORK, INCLUDING TRANSPORTATION AND DISPOSAL

NO COST TO THE OWNER. ANY EXISTING PAVING IDENTIFIED AS POTENTIALLY NEEDING TO BE

#### ASPHALT PAVEMENT NOTES:

LEVELING COURSE

UNLESS MODIFIED OR OTHERWISE SPECIFIED BY THE CONSTRUCTION NOTES THAT FOLLOW HEREON INCLUDING THOSE UNDER SEPARATE HEADINGS, PRIVATE ROADWAY MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE <u>STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC)</u>, CURRENT EDITION PER LOCATION.

ASPHALT CONCRETE SHALL BE IN CONFORMANCE WITH SECTION 203-6, OF THE STANDARD SPECIFICATIONS AND SHALL BE C2-PG 64-10-RAP FOR A SINGLE LAYING COURSE UP TO A THICKNESS NOT EXCEEDING 0.25-FEET IN COMPACTED THICKNESS. IF TOTAL ASPHALT CONCRETE THICKNESS IS GREATER THAN 0.25-FEET (3 INCHES). IT SHALL BE SPREAD AND COMPACTED IN AT LEAST TWO (2)

THICKNESS AS FOLLOWS:
FINISH COURSE:

BASE COURSE:

OVERLAY:

C2-PG 64-10

C2-PG-64-10

OF ALL REMOVED MATERIALS, AND ALL ASSOCIATED COSTS.

AND SKIN PATCHING: D2-PG-64-10

PAVING ASPHALT SHALL BE GRADE PG64-10 IN CONFORMANCE WITH SECTION 203-1 OF THE

STANDARD SPECIFICATIONS. NO RECYCLED ASPHALT SHALL BE INCORPORATED INTO THE A.C. MIX.

3. BEFORE PAVING, A PAINT BINDER (TACK COAT) OF ASPHALTIC EMULSION SHALL BE APPLIED TO ALL

EXISTING VERTICAL SURFACES AGAINST WHICH PAVING IS TO BE PLACED AND BETWEEN PAVEMENT

LAYERS WITH THE TOP LAYER (FINISH COURSE) NOT EXCEEDING 0.20-FEET IN COMPACTED

COURSES CONSTRUCTED MORE THAN 24 HOURS APART.

4. THE COMPOSITION OF ALL CUTBACK AND EMULSIFIED ASPHALT USED IN THE MANUFACTURE, PLACEMENT OR MAINTENANCE OF ASPHALT CONCRETE PAVEMENT SHALL CONFORM WITH THE AIR POLLUTION CONTROL DISTRICT RULE 329. CONTRACTOR SHALL MAINTAIN RECORDS AVAILABLE FOR INSPECTION FOR A PERIOD OF 2 YEARS WHICH DOCUMENT THE TYPES AND AMOUNTS OF ASPHALTS USED.

BASE MATERIAL SHALL BE CRUSHED AGGREGATE BASE IN CONFORMANCE WITH 200-2.2 OF THE STANDARD SPECIFICATIONS.
 THE PRELIMINARY ESTIMATED ASPHALT PAVEMENT STRUCTURAL SECTION IS AS SHOWN ON THE PLAN DETAILS AND CONSTRUCTION NOTES. ACTUAL THICKNESS OF PAVEMENT SURFACING AND BASE COURSES SHALL BE DETERMINED BY THE GEOTECHNICAL ENGINEER AFTER COMPLETION OF ROUGH GRADING BASED ON "R"-VALUE TESTS OF COMPLETED SUBGRADE MATERIAL AND THE TRAFFIC INDEXES (T.I.'S) SHOWN ON THE PLAN DETAILS, SUBJECT TO APPROVAL BY THE ENGINEER. PREPARATION OF AREAS TO RECEIVE PAVEMENT AND APPURTENANT CONCRETE IMPROVEMENTS, INCLUDING REMOVAL AND RECOMPACTION OF EXISTING SOIL AND PLACEMENT OF FILL SOIL, SHALL BE AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER. DURING PAVING OPERATIONS, STRUCTURAL SECTION COMPACTION SHALL BE OBSERVED AND TESTED BY THE GEOTECHNICAL

ENGINEER.
7. COMPACTION OF FILL, SUBGRADE AND BASE COURSES AS WELL AS ALL TRENCH BEDDING AND BACKFILL SHALL BE OBSERVED AND TESTED FOR COMPLIANCE WITH APPLICABLE REQUIREMENTS BY THE GEOTECHNICAL ENGINEER.
8. ALL EXISTING AND PROPOSED VALVE AND UTILITY BOXES AND MANHOLE FRAMES AND COVERS SHALL BE ADJUSTED TO FINISH GRADE.
9. AFTER CONSTRUCTION A FLOOD TEST SHALL BE CONDUCTED TO REVIEW SURFACE DRAINAGE, AS

A. WATER SHALL BE SUPPLIED AND DISCHARGED IN SUFFICIENT QUANTITY TO COMPLETELY WET AND COVER ALL PAVEMENT AND CONCRETE GUTTER AREAS; THE OUTLINE LIMITS OF RESIDUAL STANDING/PONDED WATER SHALL THEN BE MARKED

B. PAVEMENT SHALL BE REMOVED AND REPLACED, AT NO ADDITIONAL COST TO THE OWNER, AS

NECESSARY TO PROVIDE POSITIVE SURFACE DRAINAGE AND TO PREVENT PONDING OF WATER ON PAVEMENT SURFACES AND IN GUTTERS

C. ADDITIONAL FLOOD TESTING SHALL BE CONDUCTED TO CONFIRM SUCCESS OF CORRECTIVE MEASURES.

D. WHERE SAWCUT LINE IS CONSTRUCTED ALONG CONFORM LINE WITH EXISTING A.C. PAVEMENT. IT IS

CONTRACTOR'S RESPONSIBILITY TO PROTECT THE INTEGRITY OF THE PAVEMENT ALONG AND BEHIND THE SAWCUT LINE DURING CONSTRUCTION; IF THIS PAVEMENT IS BROKEN-OFF OR OTHERWISE DAMAGED BEFORE NEW PAVEMENT IS PLACED, CONTRACTOR SHALL SAWCUT A NEW CONFORM LINE PARALLEL WITH, FULL LENGTH OF, AND SUFFICIENT DISTANCE BEHIND ORIGINAL SAWCUT SO AS TO REMOVE DAMAGED PAVEMENT AND/OR IRREGULARITY ALONG THE CONFORM

#### REPORT NOTES

 ENGINEER OF RECORD TO PROVIDE A FINAL REPORT STATING THE WORK PERFORMED IS IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS.
 A SOIL OR CIVIL ENGINEER TO DETERMINE GRADING PERFORMED IS IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS AND IS SUITABLE TO SUPPORT THE INTENDED STRUCTURE(S).

#### COUNTY OF SAN LUIS OBISPO GENERAL NOTES:

NAME: XXXXXXX

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT AND MAINTENANCE OF ALL EROSION CONTROL DEVICES AS SPECIFIED BY THE ENGINEER OF WORK OR THE COUNTY OF SAN LUIS OBISPO UNTIL SUCH TIME THAT THE PROJECT ACCEPTED AS COMPLETED BY THE GOVERNING JURISDICTION. THESE DEVICES SHALL BE IN PLACE OR BE READY TO PLACE FOR THE DURATION OF THE CONSTRUCTION PERIOD. IN THE EVENT THAT THE DEVICES ARE NOT PERMANENTLY IN PLACE, THEY SHALL BE PLACED FOR A FORECASTED QUALIFYING RAIN EVENT THAT PRODUCES 0.5 INCHES OR MORE PRECIPITATION WITH A 48 HOUR OR GREATER PERIOD BETWEEN RAIN EVENTS. AN EMERGENCY CREW SHALL BE AVAILABLE 24 HOURS PER DAY IN THE EVENT AN EROSION PROBLEM SHOULD OCCUR. A RESPONSIBLE PERSON AND THEIR PHONE NUMBER SHALL BE NAMED HERE UPON:

PHONE NUMBER: XXXXXX

2. THE CONTRACTOR SHALL PROVIDE DUST CONTROL DURING ALL PHASES OF THE WORK.

3. DURING CONSTRUCTION/GROUND DISTURBING ACTIVITIES. THE APPLICANT SHALL IMPLE

3. DURING CONSTRUCTION/GROUND DISTURBING ACTIVITIES, THE APPLICANT SHALL IMPLEMENT THE FOLLOWING PARTICULATE (DUST) AND OZONE CONTROL MEASURES. THESE MEASURES SHALL BE SHOWN ON THE TRACT IMPROVEMENT PLANS. IN ADDITION, THE CONTRACTOR OR BUILDER SHALL DESIGNATE A PERSON OR PERSONS TO MONITOR THE DUST CONTROL PROGRAM AND TO ORDER INCREASED WATERING, AS NECESSARY, TO PREVENT TRANSPORT OF DUST OFF SITE. THEIR DUTIES SHALL INCLUDE HOLIDAY AND WEEKEND PERIODS WHEN WORK MAY NOT BE IN PROGRESS. THE NAME AND TELEPHONE NUMBER OF SUCH PERSONS SHALL BE PROVIDED TO THE APCD PRIOR TO COMMENCEMENT OF CONSTRUCTION.

A. REDUCE THE AMOUNT OF DISTURBED AREA WHERE POSSIBLE;

B. USE WATER TRUCKS OR SPRINKLER SYSTEMS IN SUFFICIENT QUANTITIES TO PREVENT AIRBORNE DUST FROM LEAVING THE SITE. INCREASED WATERING FREQUENCY WILL BE REQUIRED WHENEVER WIND SPEEDS EXCEED 15 MPH. RECLAIMED (NON-POTABLE) WATER SHOULD BE USED WHENEVER

C. ALL DIRT STOCKPILE AREAS SHOULD BE SPRAYED DAILY AS NEEDED;

D. PERMANENT DUST CONTROL MEASURES, SUCH AS IMPLEMENTATION OF APPROVED LANDSCAPE PLANS, SHALL BE IMPLEMENTED AS SOON AS POSSIBLE FOLLOWING COMPLETION OF ANY SOIL DISTURBING ACTIVITIES.

E. EXPOSED GROUND AREAS THAT ARE PLANNED TO BE REWORKED AT DATES GREATER THEN ONE MONTH AFTER INITIAL GRADING SHOULD BE SOWN WITH A FAST GERMINATING NON-AGGRESSIVE

GRASS SEED (E.G., NATIVE, BARLEY) AND WATERED UNTIL VEGETATION IS ESTABLISHED;

F. ALL DISTURBED SOIL AREAS NOT SUBJECT TO REVEGETATION MUST BE STABILIZED USING APPROVED CHEMICAL SOIL BINDERS, JUTE NETTING, OR OTHER METHODS APPROVED IN ADVANCE

BY APCD THAT WILL NOT HAVE A NEGATIVE IMPACT TO DOWNSTREAM CREEKS;

G. ALL ROADWAYS, DRIVEWAYS, SIDEWALKS, ETC. TO BE PAVED SHOULD BE COMPLETED AS SOON AS POSSIBLE.

H. ALL TRUCKS HAULING DIRT, SAND, SOIL, OR OTHER LOOSE MATERIALS ARE TO BE COVERED OR SHOULD MAINTAIN AT LEAST TWO FEET OF FREEBOARD (MINIMUM VERTICAL DISTANCE BETWEEN TOP OF LOAD AND TOP OF TRAILER) IN ACCORDANCE WITH CALIFORNIA VEHICLE CODE SECTION 23114 (THIS MEASURE HAS THE POTENTIAL TO REDUCE PM10 (PARTICULATE MATTER) EMISSIONS FROM THIS SOURCE BY 7 TO 14%);

 INSTALL WHEEL WASHERS WHERE VEHICLES ENTER AND EXIT UNPAVED ROADS ONTO STREETS, OR WASH OFF TRUCKS AND EQUIPMENT LEAVING THE SITE (THIS MEASURE HAS THE POTENTIAL TO REDUCE PM10 EMISSIONS FROM THIS SOURCE 40 TO 70%);

J. SWEEP STREETS AT THE END OF EACH DAY IF VISIBLE SOIL MATERIAL IS CARRIED ONTO ADJACENT PAVED ROADS. WATER SWEEPERS WITH RECLAIMED WATER SHOULD BE USED WHERE FEASIBLE (THIS MEASURE HAS THE POTENTIAL TO REDUCE PM10 EMISSIONS FROM THIS SOURCE 25 TO 60%);

K. MAINTAIN EQUIPMENT IN TUNE PER MANUFACTURER'S SPECIFICATIONS;

EARTHWORK OR DEMOLITION.

L. LIMIT THE CUT AND FILL PROCESS TO LESS THAN 2,000 CUBIC YARDS PER DAY.

AIR QUALITY:

1. THE CONTRACTOR OR BUILDER SHALL DESIGNATE A PERSON OR PERSONS TO MONITOR THE FUGITIVE DUST EMISSIONS AND ENHANCE THE IMPLEMENTATION OF THE MEASURES AS NECESSARY TO MINIMIZE DUST COMPLAINTS, REDUCE VISIBLE EMISSIONS BELOW 20% OPACITY, AND TO PREVENT TRANSPORT OF DUST OFF SITE. THEIR DUTIES SHALL INCLUDE HOLIDAYS AND WEEKEND PERIODS WHEN WORK MAY NOT BE IN PROGRESS. THE NAME AND TELEPHONE NUMBER OF SUCH PERSONS SHALL BE PROVIDED TO THE APCD COMPLIANCE DIVISION PRIOR TO START OF ANY GRADING,

2. AT THE TIME OF APPLICATION FOR CONSTRUCTION PERMITS, THE APPLICANT SHALL PROVIDE APCD WITH A LIST OF EQUIPMENT TO BE USED DURING CONSTRUCTION ACTIVITIES TO DETERMINE IF AN APSD PERMIT IS REQUIRED. A LIST OF EQUIPMENT THAT MAY REQUIRE A PERMIT IS IN THE ATTACHED REFERRAL RESPONSE FROM APCD. PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS, THE APPLICANT SHALL OBTAIN AN APCD PERMIT AND SHOW PROOF OF SUCH PERMIT, IF REQUIRED OR AN EXEMPTION IF NO PERMIT IS NEEDED.

#### SE OF DI ANS:

**USE OF ELECTRONIC INFORMATION:** 

THIS DRAWING IS PROVIDED IN AN ELECTRONIC FORMAT AS A COURTESY, IF REQUESTED BY THE USER. THE DELIVERY OF THE ELECTRONIC FILE DOES NOT CONSTITUTE THE DELIVERY OF OUR PROFESSIONAL WORK PRODUCT. THE SIGNED HARD COPY PREPARED FOR THE PROJECT CONSTITUTES OUR PROFESSIONAL WORK PRODUCT AND THE HARD COPY MUST BE REFERRED TO FOR THE CORRECT DESIGN INFORMATION. THESE PLANS HAVE BEEN PREPARED SOLELY FOR USE FOR THE PROJECT SCOPE AND SITE SPECIFICALLY IDENTIFIED HEREON AT THE TIME THESE PLANS ARE SIGNED. THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, USE OF ANY PART OF THESE PLANS, INCLUDING ANY NOTE OR DETAIL, FOR ANY UNAPPROVED OR REVISED PROJECT SCOPE, OR FOR ANY OTHER PROJECT AT THIS OR ANY OTHER SITE. USER AGREES TO INDEMNIFY AND HOLD HARMLESS ASHLEY & VANCE FOR ALL COSTS AND DAMAGES IF USED.

ELECTRONIC INFORMATION MAY BE PROVIDED BY THE ENGINEER FOR CONVENIENCE; UNDER NO CIRCUMSTANCES SHALL DELIVERY OF ELECTRONIC FILES FOR USE BY OTHERS BE DEEMED A SALE BY THE ENGINEER AND THE ENGINEER MAKES NO WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE. IN NO EVENT SHALL THE ENGINEER BE LIABLE FOR INDIRECT OR CONSEQUENTIAL DAMAGES AS A RESULT OF THE USE OR REUSE OF THE ELECTRONIC FILES BY OTHERS.

ELECTRONIC INFORMATION IS INTENDED TO PROVIDE INFORMATION SUPPLEMENTAL AND SUBORDINATE TO THE CONSTRUCTION CONTRACT DOCUMENTS. LAYOUT AND CONSTRUCTION OF PROJECT ELEMENTS SHALL BE BASED ON DIMENSIONS AND INFORMATION INCLUDED ON THE SIGNED AND SEALED CONSTRUCTION CONTRACT DOCUMENTS WHICH SHALL CONTROL OVER ELECTRONIC INFORMATION. USER IS RESPONSIBLE FOR CONFIRMING LOCATION OF PROPOSED IMPROVEMENTS BASED ON DIMENSIONS AND INFORMATION INCLUDED ON THE CONSTRUCTION CONTRACT DOCUMENTS; INCONSISTENCIES BETWEEN THE ELECTRONIC INFORMATION AND THE CONSTRUCTION CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION PRIOR TO

PROJECT ELEMENTS SUCH AS MANHOLES, CATCH BASINS, UTILITY VAULTS, VALVE ASSEMBLIES, STAIRS, RAMPS, WALLS, ETC. ARE SHOWN SCHEMATICALLY IN THE ELECTRONIC INFORMATION AND CONSTRUCTION OF THESE ELEMENTS SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION NOTES AND DETAILS PRESENTED OR REFERENCED IN THE SIGNED AND SEALED CONSTRUCTION CONTACT DOCUMENTS. IMPROVEMENTS CONSTRUCTED BASED ON ELECTRONIC INFORMATION AND IN CONFLICT WITH THE DRAWING DIMENSIONS DETAILS, AND THE CONSTRUCTION CONTRACT DOCUMENTS SHALL BE REMOVED AND CONSTRUCTED IN THE PROPER LOCATION AND DIMENSIONS AT CONTRACTOR'S SOLE

DIGITAL DRAWINGS ARE TYPICALLY A COMPILATION OF DRAWINGS FROM A NUMBER OF SOURCES AND, AS SUCH, THERE IS INFORMATION IN THE ELECTRONIC FILE ISSUED BY THE ENGINEER THAT WAS NOT DEVELOPED BY THE ENGINEER AND IS NOT AUTHORIZED BY THE ENGINEER FOR USE BY OTHERS. ELECTRONIC INFORMATION PROVIDED BY THE ENGINEER SHALL ONLY BE APPLICABLE FOR IMPROVEMENTS DESIGNED BY THE ENGINEER AND WHICH ARE SPECIFICALLY DESIGNATED BY CONSTRUCTION NOTES AND/OR DETAILS ON THE SIGNED AND SEALED CONTRACT DOCUMENTS.

IF DIGITAL FILES ARE OBTAINED WITH THE INTENT TO USE THEM FOR PROJECT STAKING, THEY SHALL ONLY BE USED BY A QUALIFIED ENGINEER OR LAND SURVEYOR REGISTERED IN THE STATE OF CALIFORNIA. DIGITAL INFORMATION SHALL ONLY BE USED FOR STAKING HORIZONTAL LOCATION OF PROPOSED IMPROVEMENTS AFTER IT HAS BEEN CONFIRMED WITH THE SIGNED AND SEALED CONSTRUCTION CONTRACT DOCUMENTS.

THE DIGITAL DRAWINGS ARE NOT INTENDED TO BE USED DIRECTLY FOR CONTROL OF CONTRACTOR'S GRADING OPERATIONS WITHOUT STAKING BY ENGINEER OR LAND SURVEYOR. THE INTERSECTION OF PROPOSED CUT AND FILL SLOPES WITH EXISTING GRADE IS APPROXIMATE WHERE SHOWN ON THE DRAWINGS AND SHALL BE CONFIRMED BY FIELD STAKING. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONSTRUCT SLOPES IN CONFORMANCE WITH THE SPECIFIED AND DETAILED REQUIREMENTS CONTAINED IN THE CONTRACT DOCUMENTS.

#### CONCRETE PAVEMENT AND APPURTENANT CONCRETE NOTES:

UNLESS MODIFIED OR OTHERWISE SPECIFIED BY THE CONSTRUCTION NOTES THAT FOLLOW HEREON INCLUDING THOSE UNDER SEPARATE HEADINGS, PRIVATE ROADWAY MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE <u>STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC)</u>, CURRENT EDITION PER LOCATION.
 COMPACTION OF FILL, SUBGRADE AND BASE COURSES AS WELL AS ALL TRENCH BEDDING AND BACKFILL SHALL BE OBSERVED AND TESTED FOR COMPLIANCE WITH APPLICABLE REQUIREMENTS BY

THE GEOTECHNICAL ENGINEER.
 CONCRETE FOR DRIVEWAYS, DRAINAGE STRUCTURES, AND PAVEMENT SHALL BE CLASS 560-A-3250.
 WHERE GUTTER GRADIENT IS LESS THAN 1.0%, FORM ELEVATIONS SHALL BE CONFIRMED BY LICENSED LAND SURVEYOR PRIOR TO POURING CONCRETE.
 REINFORCING STEEL SHALL BE GRADE 60 BILLET STEEL CONFORMING TO ASTM A 615. STEEL BENDING PROCESS SHALL CONFORM TO THE REQUIREMENTS OF MANUAL OF STANDARD PRACTICE

OF THE CONCRETE REINFORCING STEEL INSTITUTE. BENDING OR STRAIGHTENING SHALL BE ACCOMPLISHED SO THAT THE STEEL WILL NOT BE DAMAGED. KINKED BARS SHALL NOT BE USED.

6. JOINTS IN CONCRETE PAVEMENT

A. WEAKENED PLANE CRACK CONTROL (CONTRACTION) JOINTS SHALL BE CONSTRUCTED AT REGULAR INTERVALS NOT EXCEEDING 10-FEET EACH WAY (LONGITUDINAL AND TRANSVERSE) AND AT ADDITIONAL LOCATIONS AS MAY BE CALLED FOR IN THE FIELD. JOINTS SHALL BE CONSTRUCTED PER SUBSECTION 303-5.4.2 OF THE SSPWC AS MODIFIED BY THE PLAN DETAILS AND THESE NOTES. REINFORCEMENT SHALL BE CONTINUOUS THROUGH JOINTS. DEPTH OF JOINTS SHALL BE 1/4 SLAB THICKNESS + 1/2-INCH (I.E., 2-INCHES FOR 6-INCH SLAB). JOINTS SHALL BE CONSTRUCTED BY SAWCUTTING GROOVES AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PERMIT SAWING WITHOUT RAVELING (USUALLY 4 TO 24 HOURS AFTER PLACEMENT). JOINTS SHALL BE FILLED WITH JOINT SEALANT (SIKAFLEX-2CNS OR EQUIVALENT, COLOR LIMESTONE GRAY) AS SOON AFTER COMPLETION OF THE CURING PERIOD AS IS FEASIBLE AND BEFORE PAVEMENT IS OPENED TO TRAFFIC. JOINTS SHALL BE CLEANED OF ALL FOREIGN MATERIAL, INCLUDING MEMBRANE CURING COMPOUNDS, AND SHALL BE SURFACE-DRY WHEN SEALANT IS INSTALLED. JOINT LOCATIONS SHALL

BE ADJUSTED AS NECESSARY TO ALIGN WITH THOSE ALREADY CONSTRUCTED IN EXISTING

ADJACENT (CONTIGUOUS) FEATURES SUCH AS CURBS AND GUTTERS. ALONG CURVES.

TRANSVERSE JOINTS SHALL BE RADIAL. B. EXPANSION JOINTS SHALL BE CONSTRUCTED AT LOCATIONS CALLED FOR ON THE PLANS. JOINTS SHALL BE CONSTRUCTED PER SUBSECTION 303-5.4.2 AS MODIFIED BY THE PLAN DETAILS AND THESE NOTES. JOINTS SHALL BE CONSTRUCTED 1/2-INCH WIDE USING ONE PIECE OF PREFORMED JOINT FILLER INSTALLED FROM BOTTOM OF SLAB TO WITHIN 1" OF CONCRETE SURFACE. THE RESULTING RESERVOIR SHALL BE FILLED WITH JOINT SEALANT TO WITHIN 1/4" OF CONCRETE SURFACE AS SOON AFTER COMPLETION OF THE CURING PERIOD AS IS FEASIBLE AND BEFORE PAVEMENT IS OPENED TO TRAFFIC. JOINTS SHALL BE CLEANED OF ALL FOREIGN MATERIAL, INCLUDING MEMBRANE CURING COMPOUND, AND SHALL BE SURFACE-DRY WHEN SEALANT IS INSTALLED. REINFORCING BARS SHALL BE INTERRUPTED 3 INCHES CLEAR OF EXPANSION JOINTS AND MINIMUM 14-INCH LONG SMOOTH DOWELS INSTALLED ACROSS, AND CENTERED ON, THE JOINT. DOWEL DIAMETER SHALL BE 1/8 SLAE THICKNESS (I.E., 1" FOR 8" SLAB, 3/4" FOR 6" SLAB). ONE-HALF (ONE END) OF THE DOWEL SHALL BE INSTALLED WITHIN A "SPEED DOWEL" TUBE WITH A 1-INCH GAP BETWEEN THE END OF THE DOWEL AND THE SEALED END OF THE TUBE. DOWELS SHALL BE INSTALLED AT 12 INCHES ON CENTER HORIZONTALLY, CENTERED IN THE SLAB VERTICALLY, AND A MINIMUM OF 3 INCHES CLEAR OF ANY REBAR. JOINT LOCATIONS SHALL BE ADJUSTED AS NECESSARY TO ALIGN WITH THOSE ALREADY CONSTRUCTED IN EXISTING ADJACENT (CONTIGUOUS) FEATURES SUCH AS CURBS AND GUTTERS.

ALONG CURVES, TRANSVERSE JOINTS SHALL BE RADÍAL.

13. JOINTS IN CURBS, GUTTERS AND WALKS

A. TRANSVERSE WEAKENED PLANE CRACK CONTROL JOINTS SHALL BE CONSTRUCTED AT REGULAR INTERVALS NOT EXCEEDING 10-FEET, DIRECTLY ABOVE DRAIN PIPES THAT OUTLET THROUGH CURB AND AT ADDITIONAL LOCATIONS AS MAY BE CALLED FOR ON THE PLANS. JOINTS SHALL BE CONSTRUCTED PER SUBSECTION 303-5.4.3 PARAGRAPH B OF THE SSPWC AS MODIFIED BY THE PLAN DETAILS AND THESE NOTES. REINFORCEMENT SHALL BE CONTINUOUS THROUGH JOINTS. JOINT LOCATIONS SHALL BE ADJUSTED AS NECESSARY TO ALIGN WITH THOSE ALREADY CONSTRUCTED IN EXISTING ADJACENT (CONTIGUOUS) FEATURES. ALONG CURVES AND WALK RETURNS, JOINTS

SHALL BE RADIAL B. TRANSVERSE EXPANSION JOINTS SHALL BE CONSTRUCTED AT BCR, ECR, AND AT REGULAR INTERVALS NOT EXCEEDING 30-FEET; ALONG EDGES OF DRIVEWAYS, WHEELCHAIR RAMPS, AND FIXED OBJECTS AND STRUCTURES (FIRE HYDRANT, LIGHT STANDARD, UTILITY POLE, DRAIN INLET, MANHOLE OR VALVE COVER, SCREEN/RETAINING WALL, BUILDING WALL, ETC.); AT ADDITIONAL LOCATIONS AS MAY BE CALLED FOR ON THE PLANS. EXPANSION JOINTS SHALL NOT BE CONSTRUCTED IN CROSS OR VALLEY GUTTER WHICH IS SEPARATE FROM CURB. JOINTS SHALL BE CONSTRUCTED PER SUBSECTION 303-5.4.2 OF THE SSPWC AS MODIFIED BY THE PLAN DETAILS AND THESE NOTES. JOINTS SHALL BE CONSTRUCTED 3/8-INCH WIDE USING ONE PIECE OF PREFORMED JOINT FILLER INSTALLED FORM BOTTOM OF SLAB TO WITHIN 1-INCH OF CONCRETE SURFACE. THE RESULTING RESERVOIR SHALL BE FILLED WITH JOINT SEALANT TO WITHIN 1/4-INCH OF CONCRETE SURFACE AS SOON AFTER COMPLETION OF THE CURING PERIOD AS IS POSSIBLE. JOINTS SHALL BE CLEANED OF ALL FOREIGN MATERIAL, INCLUDING MEMBRANE CURING COMPOUNDS, AND SHALL BE SURFACE-DRY WHEN SEALANT IS INSTALLED. LONGITUDINAL REINFORCING BARS SHALL BE INTERRUPTED 3 INCHES CLEAR OF EXPANSION JOINTS AND MINIMUM 14-INCH LONG #5 SMOOTH DOWELS INSTALLED ACROSS, AND CENTERED ON, THE JOINT. ONE-HALF (ONE END) OF THE DOWEL SHALL BE INSTALLED WITHIN A "SPEED DOWEL" TUBE WITH A 1-INCH GAP BETWEEN THE END OF THE DOWEL AND THE SEALED END OF THE TUBE. DOWELS SHALL BE CENTERED VERTICALLY IN THE CONCRETE AND A MINIMUM OF 3 INCHES CLEAR HORIZONTALLY OF ANY REBAR. JOINT LOCATIONS SHALL BE ADJUSTED AS NECESSARY TO ALIGN WITH THOSE ALREADY CONSTRUCTED IN EXISTING ADJACENT (CONTIGUOUS) FEATURES. ALONG CURVES AND THROUGH WALK RETURNS, JOINTS

ALL EXISTING AND PROPOSED VALVE AND UTILITY BOXES AND MANHOLE FRAMES AND COVERS SHALL BE ADJUSTED TO FINISH GRADE.
 AFTER CONSTRUCTION OF CONCRETE PAVEMENT AND APPURTENANT CONCRETE FEATURES, A FLOOD TEST SHALL BE CONDUCTED TO REVIEW SURFACE DRAINAGE, AS FOLLOWS:

 WATER SHALL BE SUPPLIED AND DISCHARGED IN SUFFICIENT QUANTITY TO COMPLETELY WET AND COVER ALL PAVEMENT AND CONCRETE GUTTER AREAS; THE OUTLINE LIMITS OF RESIDUAL

SHALL BE RADIAL.

STANDING/PONDED WATER SHALL THEN BE MARKED

B. CONCRETE IMPROVEMENTS SHALL BE REMOVED AND REPLACED, AT NO ADDITIONAL COST TO THE OWNER, AS NECESSARY TO PROVIDE POSITIVE SURFACE DRAINAGE AND TO PREVENT PONDING OF WATER ON PAVEMENT SURFACES AND IN GUTTERS

C. ADDITIONAL FLOOD TESTING SHALL BE CONDUCTED TO CONFIRM SUCCESS OF CORRECTIVE

D. WHERE SAWCUT LINE IS CONSTRUCTED ALONG CONFORM LINE WITH EXISTING A.C. PAVEMENT, IT IS CONTRACTOR'S RESPONSIBILITY TO PROTECT THE INTEGRITY OF THE PAVEMENT ALONG AND BEHIND THE SAWCUT LINE DURING CONSTRUCTION; IF THIS PAVEMENT IS BROKEN-OFF OR OTHERWISE DAMAGED BEFORE NEW PAVEMENT IS PLACED, CONTRACTOR SHALL SAWCUT A NEW CONFORM LINE PARALLEL WITH, FULL LENGTH OF, AND SUFFICIENT DISTANCE BEHIND ORIGINAL SAWCUT SO AS TO REMOVE DAMAGED PAVEMENT AND/OR IRREGULARITY ALONG THE CONFORM

ECTRON

The use of these blans and specifications shall be CIVIL - STRUCTURA

The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limited to such use. Reproduction or publication by any method, in whole or in part, is prohibited. Title to these plans and specifications remain with Ashley & Vance Engineering, Inc. without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence of the acceptance of these restrictions.

525 SEE CANYON ROAD LOT /ILA BEACH, CALIFORNIA 934

 Date:
 12/21/2020
 Scale: PER PLAN

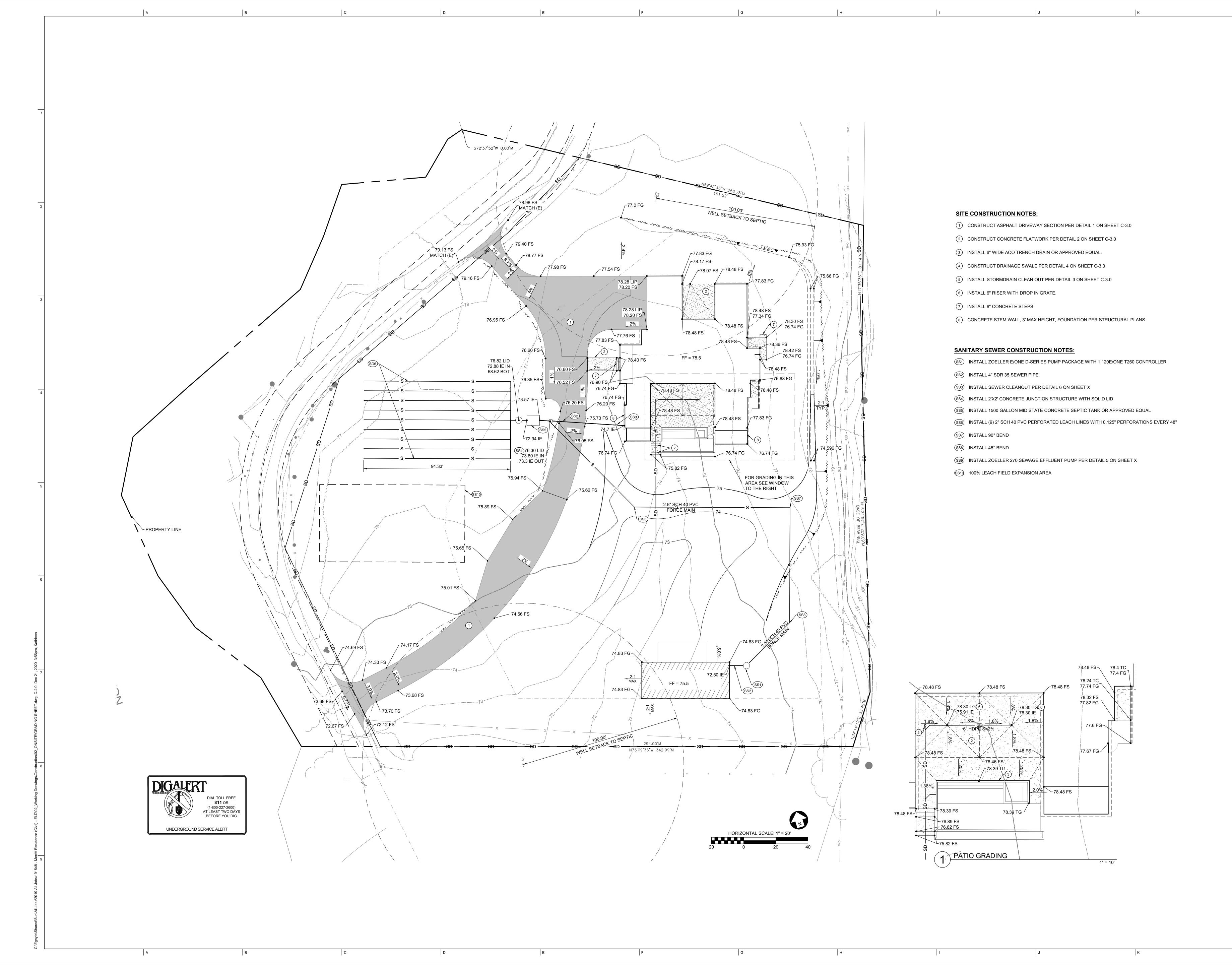
 AV Job No:
 191548
 Sheet Size: 30" x 42"

Project Engineer: KEA

Project Manager: KBB

NOTES SHEET

C-1.1



Plan Prepared By:

| ASTRUCTURAL | Plan | Pl

The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limited to such use. Reproduction or publication by any method, in whole or in part, is prohibited. Title to these plans and specifications remain with Ashley & Vance Engineering, Inc. without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence of the acceptance of these restrictions.

Revisions:

1 .
2 .
2 .
3 .
4 .
Froject Engineer: KEA Ext: 10

Project Manager: KBB

Date: 12/21/2020 Scale: PER PLAN

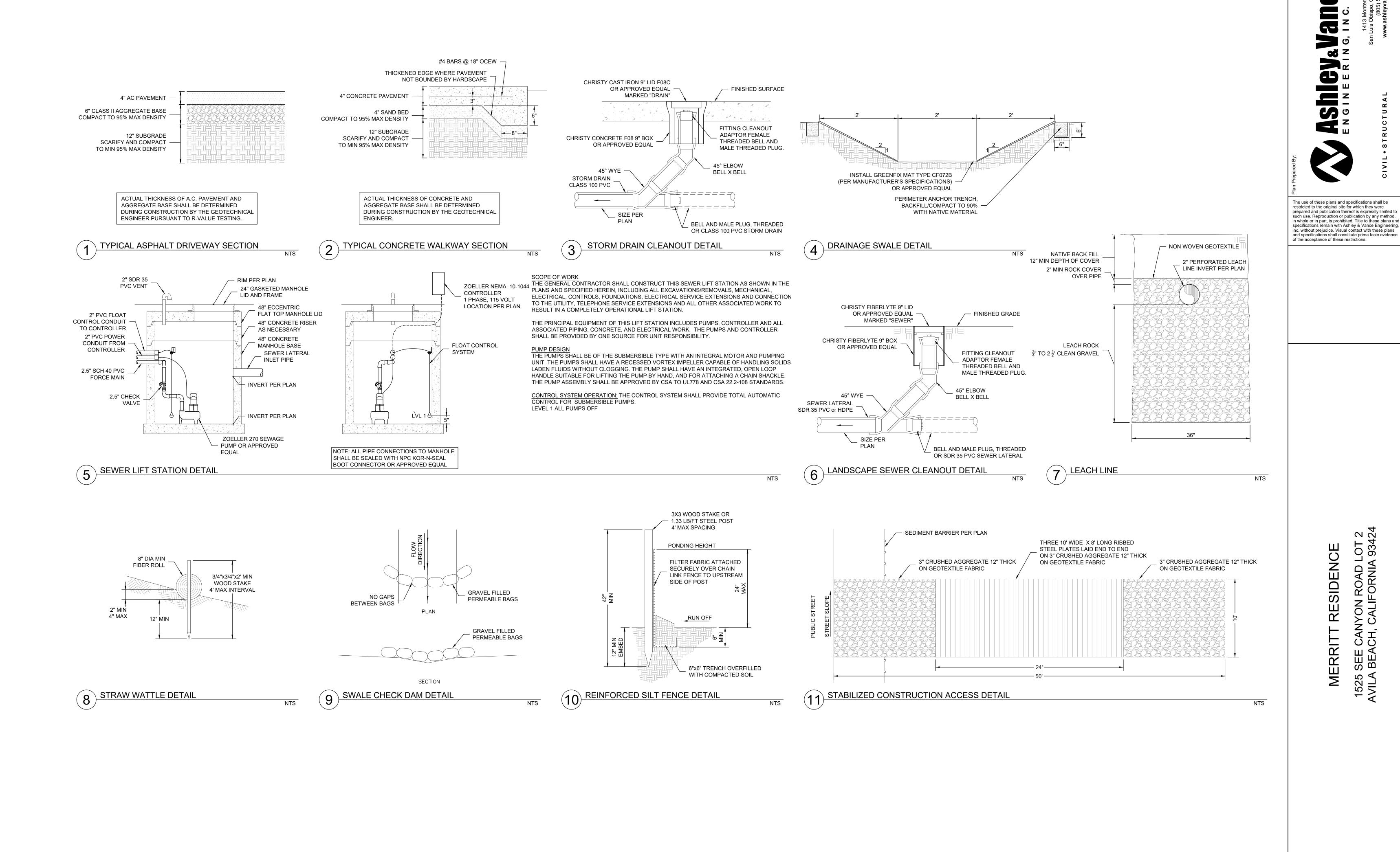
AV Job No: 191548 Sheet Size: 30" x 42"

RESIDENCE

MERRIT

IMPROVEMENT PLAN

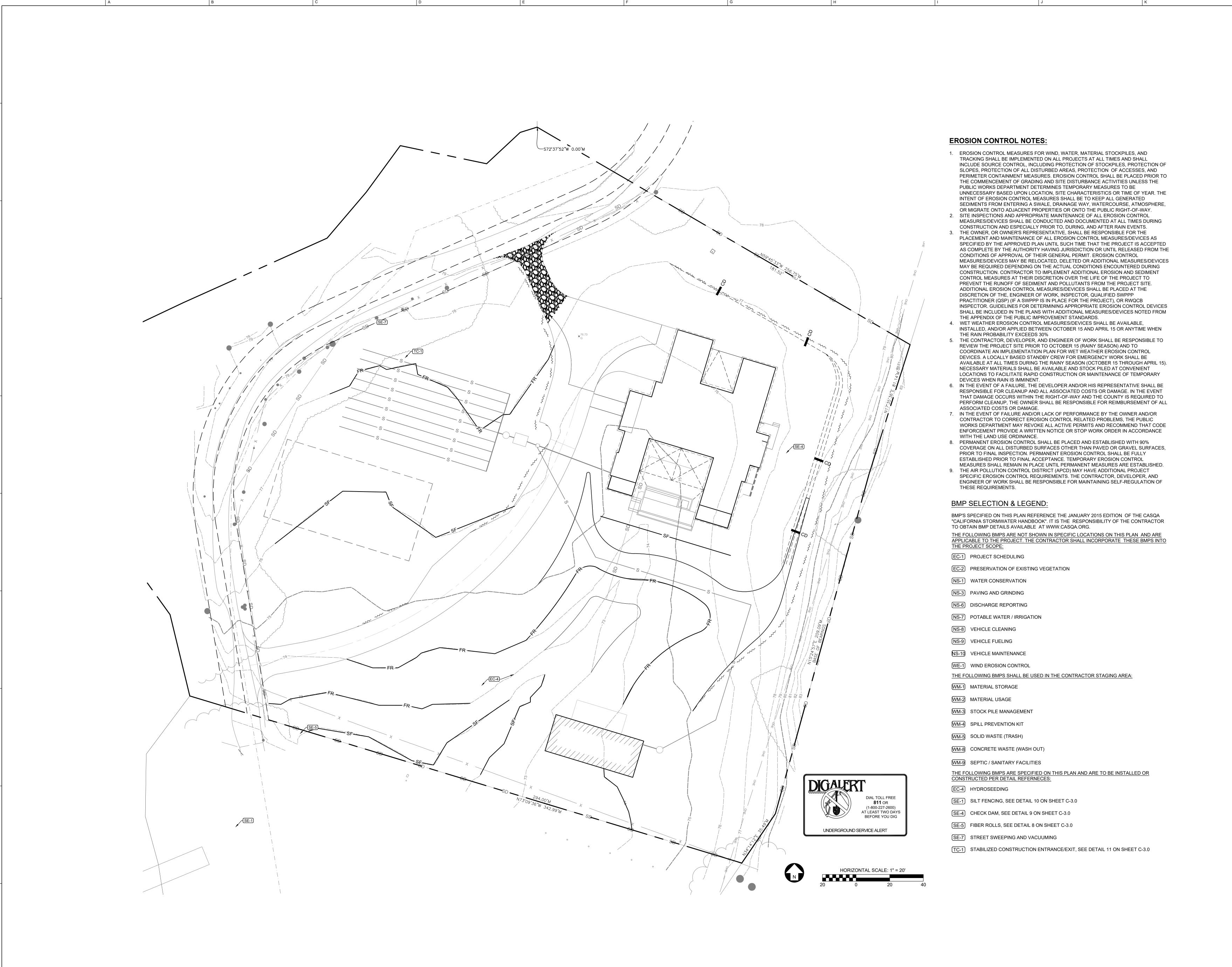
C-2.0



Project Engineer: KEA Project Manager: KBB Date: 12/21/2020 Scale: PER PLAN AV Job No: 191548 | Sheet Size: 30" x 42"

RESIDENCE

**DETAIL SHEET** 



Z III

The use of these plans and specifications shall be restricted to the original site for which they were prepared and publication thereof is expressly limited to such use. Reproduction or publication by any method, in whole or in part, is prohibited. Title to these plans and specifications remain with Ashley & Vance Engineering, Inc. without prejudice. Visual contact with these plans and specifications shall constitute prima facie evidence of the acceptance of these restrictions.

SIDENCE N ROAD LOT 2

 Revisions:

 1

 2

 3

 4

 5

Project Engineer: KEA Ext:

Project Manager: KBB

Date: 12/21/2020 Scale: PER PLAN

 Date:
 12/21/2020
 Scale: PER PLAN

 AV Job No:
 191548
 Sheet Size: 30" x 42"

EROSION CONTROL PLAN

C-4.0



# COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PLANNING & BUILDING

PLN-1004 04/01/2020

Land Use -- Project Information Form

APPLICATION TYPE - CHECK ALL THAT APPLY	
	☐ Site Plan
Emergency Permit	☐ Surface Mining/Reclamation Plan
☐ Tree Removal Permit	☐ Zoning Clearance
Minor Use Permit	☐ Amendment to approved Land Use Permit
Conditional Use Permit/Development Plan	☐ Variance
☐ Plot Plan	□ Other
Curb, Gutter & Sidewalk Waiver	- Circi
TYPE OF PROJECT:	
Commercial Industrial	
Residential Recreational Other:	
Describe any modifications/adjustments from ordinance neo applicable):	eded and the reason for the request (ii
Request to locate guesthouse more than 50 feet from principal residence and preclude locating guesthouse closer than 50 feet. Area of site disturbance is la field and Fire apparatus access requirements.	
Describe existing and future access to the proposed project	site:
Existing site is undeveloped. Project proposes to construct new single-family r	
utility services (electrical, propane, septic). Well already exists on site.	
SURROUNDING PARCEL OWNERSHIP Do you own adjacen	t property? YES NO
If YES, what is the acreage of all property you own that surro	· · · · — —
in 123, what is the dereage of all property you own that surre	rands the project site:
<del></del>	
SURROUNDING LAND USE What are the uses of the land s	urrounding your property (when applicable,
please specify all agricultural uses):	
North: Agricultural South	ո:
Single family residential	
East: Single family residential West	·· ··
none	
FOR ALL PROJECTS, ANSWER THE FOLLOWING – Square fo	otage and percentage of the total site
(approximately) that will be used:	
Buildings: <u>6670</u> sq. feet <u>4.7</u> %	Landscaping: 3500 sq. feet 2.5 %
Paving: <u>12000</u> sq. feet <u>8.5</u> %	Other: sq. feet%
Total area of all paving structures: <u>18.670</u> ☑sq. feet ☐acres	
Total area of grading or removal of ground cover: <u>1.5</u>	sq. feet <u>X</u> acres

PLN-1004 04/01/2020

#### Land Use - Project Information Form

Trees:			
Number of trees to be removed: <u>0</u>			
Type(s) of tree(s):			
Setbacks: main house/workshop			
Front <u>77'-11"/165'-4"</u> Back <u>63'-5"/81'-9"</u> Left <u>52'-2"/283'-</u>	<u>4"                                    </u>		
PROPOSED WATER SOURCE:	WILL-SERVE LETTER?		
✓ On-Site Well Shared Well Other:	<ul><li>☐ Yes (If yes, please submit copy)</li><li>☐ No</li></ul>		
Community System (agency / company responsible for the provision of water):			
PROPOSED SEWAGE DISPOSAL	WILL-SERVE LETTER?		
☑ Individual On-Site System	☐ Yes (If yes, please submit copy)		
□ Other: □ No □ Community System (list the agency or company			
responsible provision):			
RESPONSIBLE FIRE PROTECTION AGENCY: Cal Fire SLO			
FOR COMMERCIAL/INDUSTRIAL PROJECTS ANSWER THE F	OLLOWING:		
Total outdoor use area: sq. feet acres			
Total floor area of all structures including upper stories: sq. feet			
FOR RESIDENTIAL PROJECTS, ANSWER THE FOLLOWING:			
Number of residential units: 1 Number of bedroo	ms per unit: 4		
Total floor area of all structures including upper stories, but not garages and carports: <u>5.413</u> sq. feet			
Total of area of the lot(s) minus building footprint and parking spaces: 134,900 sq. feet			



# COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PLANNING & BUILDING

GEN-3000 04/01/2020

#### **General Application Contact Information**

Staff: Input File Numb	er or File L	abel Here	PROPERTY OWNER		Primary Billing Contact
		Name: John and Audrey Merritt			
			Company:		
		1	Telephone: 650.787.1973	Email Address:	ncreative.com
Please check ONLY	ONE of t	'he contacts	Mailing address:	addrey@wiii	ncreative.com
as the 'Primary			1118 Bay Street	State: Zir	o Code:
to appear on invo			Alameda		94501
APPLICANT		Primary Billing Contact	AUTHORIZED AGENT		Primary Billing Contact
Name: Elaine Lee	•		Name:		
Company: Elaine Lee Design			Company:		
Telephone: 510.847.0377	Email add	dress: elaineleedesign.com	Telephone:	Email address:	
Mailing address: 3223 Encinal Avenue			Mailing Address:	<u> </u>	
City: Alameda	State: CA	Zip Code: 94501	City:	State: Zip	o Code:
PROPERTY INFORMATION				<u> </u>	
Assessor's Parcel Number: 076-233-037		Physical address: See Canyon Rd		Total size, in ac 3.25	res:
Directions to the property (include landmarks and any gate codes):					
take 101 and exit at San Luis Bay Dr, from San Luis Bay Drive, head north on See Canyon Rd, turn right onto private road at illuminated sign reading Canyon Creek Ranch, motorized driveway gate, gate code 6614#					
Describe current uses on the property (		•	_		
existing well and private shared road to access parcels to north and south, oak trees at perimeter of site, wild grass and no trees at building pads, no existing buildings				grass and no trees at	
PROJECT INFORMATION					
Briefly describe the proposed project (include all uses and building heights and areas, in square-feet) and attach supplemental info as necessary:					
Primary single family residence (4,175.5 SF living area+729 SF garage, 23'-9" maximum height) and detached Workshop/Guesthouse (640.5 SF+597 SF, 25'-3" maximum height)					
(040.0 01 1007 01 , 20 0 111axiii	um neign	11.)			
<b>Legal Declaration</b>					
I, the owner of record of this property, have completed this form accurately and declare that all statements here are true. I do hereby grant official representatives of the county authorization to inspect the subject property.					
, ,		,	,	,	
SIGNATURE:		elasinelee		<b>DATE</b> : <u>5</u>	
<b>NOTE:</b> Your application is public record and information regarding your application is available both in person and online via the					
Department of Planning & Building. All references to names, addresses, telephone numbers, email addresses and project details are part of this public record. All applications must be filed under the subject property's owner of record; however, you may use an alternate					

976 OSOS STREET, ROOM 300 | SAN LUIS OBISPO, CA 93408 | (805) 781-5600 | TTY/TRS 7-1-1

contact address and telephone number.



## COUNTY OF SAN LUIS OBISPO DEPARTMENT OF PLANNING & BUILDING

PLN-1003 01/01/2020

#### **Environmental Description**

The California Environmental Quality Act (CEQA) requires all state and local agencies to consider and mitigate environmental impacts for their own actions and when permitting private projects. The Act also requires that an environmental impact report (EIR) be prepared for all actions that may significantly affect the quality of the environment. The information you provide on this form will help the Department of Planning and Building determine whether your project will significantly affect the quality of the environment.

To ensure that your environmental review is completed as quickly as possible, please remember to:

- 1. Answer ALL the questions as accurately and completely as possible.
- 2. Include any additional information or explanations where you believe it would be helpful or where required. Include additional pages if needed.
- 3. If you are requesting a land division or a re-zoning, be sure to include complete information about future development that may result from the proposed land division or rezoning.
- 4. Include references to any reports or studies you are aware of that might be relevant to the questions asked or the answers you provide.

Should a determination be made that the information is inaccurate or insufficient, you will be required to submit additional information upon request.

PHYSICAL SITE CHARACTERISTICS				
	,			
Acres with 0-10% slopes: Acres with 10-20% slopes: 3.25	Acres with 20-30% slopes: Acres over 30% slopes:			
Are there any springs, streams, lakes, or marshes on or near the site? YesNo  If yes, please describe:	Are there any flooding problems on the site or in the surrounding area?  ☐Yes ☑No  If yes, please describe:			
Has a drainage plan been prepared?  ☑Yes □No  If yes, please attach a copy.	Has there been any grading or earthwork on the site?  ☐Yes ☑No  If yes, please describe:  ———————————————————————————————————			
Has a grading plan been prepared?  ☑Yes □No  If yes, please attach a copy.	Are there any sewer ponds/waste disposal sites on or adjacent to the site? YesNo If yes, please describe: _new septic system to serve primary residence andworkshop/questhouse			
Are there any railroads or highways within 300 feet of the site? Yes No If yes, please describe:	Can the site be seen from surrounding public roads?  Yes No  If yes, please describe:  visible from See Canvon, but highly screened by trees			

PLN-1003 01/01/2020

#### **Environmental Description**

WATER SUPPLY INFORMATION				
What type of water supply is proposed? ☑Individual Well ☐Shared Well ☐Community Water System	What is the proposed use of the water?  Residential  If non-residential, please describe:			
What is the expected daily water demand associated with the project? 350 gallons	How many service connections will be required?  1			
Do operable water facilities exist on the site?  Yes  If yes, please describe: well has been drilled, but pump still	Has there been a sustained yield test on proposed or existing wells? YesNo			
to be installed	If yes, please attach a copy.			
Does Water Meet the Health Agency's Quality	Bacteriological?			
Requirements?	□Yes □No			
Chemical?	Physical?			
Water analysis report submitted.	□No			
Please check if any of the following have been completed Environmental Health:  Well Driller's Letter  Water Quality Analysis OK Problems  Will-Serve Letter  Other:	on the subject property and/or submitted to County  Pump Test Hours: GPM:  Surrounding Well Logs  Hydrologic Study			
SEWAGE DISPOSAL INFORMATION (ON-SITE INDIVIDUAL DISPOSAL SYSTEM)				
Has an engineered percolation test been completed?	Has a piezometer test been completed?			
<b>⊙</b> Yes <b>○</b> No If yes, please attach a copy.	<u>O</u> Yes <u>O</u> No If yes, please attach a copy.			
Will subsurface drainage result in the possibility of effluent reappearing in surface water or on adjacent lands, due to steep slopes, impervious soil layers or other existing conditions?	Will a Waste Discharge Permit from the Regional Water Quality Control Board be required a waste discharge (typically needed in excess of 2,500 gallons per day)?			
<b></b> ☐Yes	<u>O</u> Yes <u></u> <b>⊙</b> No			
What is the distance from proposed leach field to any neighboring water wells? <u>150</u> feet				

PLN-1003 01/01/2020

#### **Environmental Description**

SEWAGE DISPOSAL INFORMATION (COMMUNITY DISPOSAL SYSTEM)				
Is this project to be connected to an existing sewer line?  Distance to nearest sewer line: Localized	☐Yes ☑No cation of connection:			
What is the amount of proposed flow?  400 (gallons per day)	Does the existing collection treatment and disposal system have adequate additional capacity to accept the proposed flow?			
SOLID WASTE INFORMATION				
What is the name of solid waste disposal company?	Where is the waste disposal storage in relation to buildings? west of primary residence			
What type of solid waste will be generated by the project?  ☑Domestic ☐Industrial ☐Other  If other, please describe:	Does your project design include an area for collecting recyclable materials and/or composting materials?  ☑Yes ☐No			
COMMUNITY SERVICE INFORMATION				
Name of school district:				
Are services (grocery/other shopping) within ½ mile of the project?  ☐Yes ☑No	Location of nearest  Police station: 7 miles  Fire station: 0.5 miles  Public transit stop: 3.5 miles			
HISTORIC AND ARCHEOLOGICAL INFORMATION				
Describe the historic use of the site:				
Are you aware of the presence of any historic, cultural, or archaeological materials on the project site or in the vicinity?	Has an archaeological surface survey been done for the project site?			
YesNo	<b>□</b> Yes <b>☑</b> No			
If yes, please describe:	If yes, please attach two copies.			
AGRICULTURAL INFORMATION				
If your land is currently vacant or in agricultural production, are there any restrictions on the crop productivity of the land? That is, are there any reasons (i.e., poor soil, steep slopes) the land cannot support a profitable agricultural crop?  previously used for cattle grazing				
Is the site currently in Agricultural Preserve (Williamson Act)?	Is the site currently under land conservation contract?  Yes  No			

**Environmental Description** 

PLN-1003 01/01/2020

SPECIAL PROJECT INFORMATION				
Describe any amenities included in the project, such as park areas, open spaces, common recreation facilities, etc. (these also need to be shown on your site plan):				
Will the development occur in phases?  ☐Yes ☐No  If yes, please describe:	Are there any proposed or existing deed restrictions? YesNo  If yes, please describe:			
Do you have any plans for future additions, expansion or further activity related to or connected with this proposal?  ✓ Yes □No  If yes, please describe: landscape and pool				
ENERGY CONSERVATION INFORMATION				
Describe any special energy conservation measures or building materials that will be incorporated into your project: graywater storage for irrigation, photovoltaic, Cool Roof  ENVIRONMENTAL INFORMATION  List any mitigation measures that you propose to lessen the impacts associated with your project:				
Are you aware of any unique, rare or endangered species (vegetation or wildlife) associated with the project site?    Yes  No  If yes, please describe:  If yes, please describe:  Are you aware of any previous environmental determinations for all or portions of this property?   Yes  If yes, please describe and provide permit or subdivision numbers(s):				
OTHER RELATED PERMITS				
List all permits, licenses or government approvals that wi SLO County Dept of Planning and Building building permit, CalFire,	, , , ,			





