**HOSE BIB** 

**HEADER** 

INCH(ES)

INTERIOR

KING POST

MAXIMUM

MEMBRANE

MINIMUM

METAL

**NORTH** 

OVER

PLATE

PLYWOOD

PARKING

POUNDS PER

POUNDS PER

QUANTITY

**ROOF BEAM** 

**CEILING PLAN** 

REFRIGERATOR

ROUGH OPENING

**ROOF RAFTER** 

**SQUARE FOOT** 

SCHEDULE

SHEATHING

SHEET

SIMILAR

SLOPED

SQUARE

STAGGER

STEEL

STANDARD

STRUCTURAL

TONGUE &

**GROOVE** 

**TOILET PAPER** 

UNIFORMED

**BUILDING CODE** 

WATER HEATER

THICK

TOP OF

TYPICAL

VERTICAL

WIDTH

WOOD

TOP & BOTTOM

SPRINKLER

REINFORCED

REQUIRED

ROOM

REFLECTED

REFERENCE

REF.

RM.

R.O.

R.R.

SF.,

SHTG.

SHT.

SIM.

SPKL.

SQ.

STD.

STL.

STR.,

T&B

THK.

T.O.

T.P.

TYP.

U.B.C.

VERT.

WD.

STRUCT.

STAGG.

SCHED.

SQ. FT.

REINF.

REQ'D.

**RADIUS** 

**SQUARE FOOT** 

**SQUARE INCH** 

MACHINE BOLT

**MANUFACTURER** 

**MISCELLANEOUS** 

MICROWAVE

NOT TO SCALE

ON CENTER

**OUTSIDE DIAMETER** 

NOT IN CONTRACT

OPPOSITE HAND

JOINT

LENGTH

LINEAR

MAX.

INSULATION

**HARDWARE** 

HORIZONTAL

AND

ΑT

**ANGLE** 

**CENTERLINE** 

DOUBLE

DEGREE

DETAIL

DEMOLISH

DISHWASHER

DRAWING

DOWN

EXISTING

EDGE NAILING

**ELEVATION** 

ELEVATOR

**ENGINEER** 

**EXTERIOR** 

**EACH WAY** 

FINISH(ED)

FLUSH

FLOOR

FACE OF

FIREPLACE

FIRE RATED

FOOTING

FREEZER

GAUGE

FOOT OR FEET

GALVANIZED

GRADE BEAM

GLU-LAM BEAM

GYPSUM WALL

BOARD

**FLOOR JOIST** 

FIELD NAILING

**FOUNDATION** 

FLOOR BEAM

FINISHED FLOOR

EQUAL

EACH

BAR DIAMETER

ENG.

EQ.

EXT.

E.W.

F.B.

F.F.

FIN.

F.J.

FL.

FLR.

F.N.

FND.

F.O.

FP.

F.R.

FT.

FTG.

FZR.

GA.

G.B.

GLB.

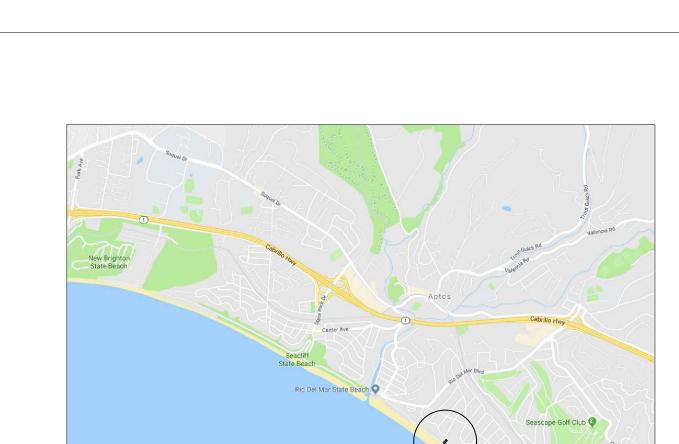
GYP. BD.,

G.W.B.

GALV.

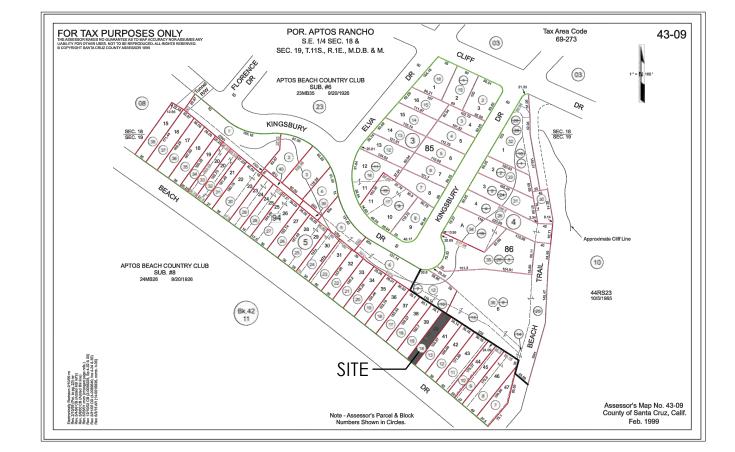
# VAUDAGNA RESIDENCE

# NEW RESIDENCE 379 BEACH DRIVE APTOS, CALIFORNIA



SITE —

VICINITY MAP



PARCEL MAP



### CODE COMPLIANCE

THIS RESIDENTIAL CONSTRUCTION COMPLIES WITH TITLE 24 AND THE FOLLOWING CODES:

> 2016 CALIFORNIA RESIDENTIAL CODE (CRC), 2016 CALIFORNIA BUILDING CODE (CBC), 2016 CALIFORNIA MECHANICAL CODE (CMC) 2016 CALIFORNIA PLUMBING CODE (CPC), 2016 CALIFORNIA ELECTRICAL CODE (CEC) AND THE 2016 CALIFORNIA ENERGY CODE (CEnC).

#### FIRE PROTECTION NOTES

1. THESE PLANS SHALL COMPLY WITH 2016 CALIFORNIA BUILDING CODE AND 2016 CALIFORNIA FIRE CODE AND DISTRICT AMENDMENTS.

2. OCCUPANCY R-3 & U, TYPE V-B, SPRINKLERED.

3. ADDRESS NUMBERS SHALL BE POSTED AND MAINTAINED AS SHOWN ON THE SITE PLAN. NUMBERS SHALL BE A MINIMUM OF 4 INCHES IN HEIGHT AND OF A COLOR CONTRASTING TO THEIR BACKGROUND.

4. ROOF COVERING SHALL BE NO LESS THAN CLASS "B" RATED.

5. ALL CHIMNEYS SHALL BE APPROVED WITH AN APPROVED SPARK ARRESTOR ON THE TOP OF THE CHIMNEY. WIRE MESH NOT TO EXCEED ½" IS ACCEPTABLE.

6. THE JOB COPIES OF THE BUILDING PLANS AND PERMITS MUST REMAIN ON-SITE DURING INSPECTIONS.

7. PUBLIC FIRE HYDRANT REQUIRED WITHIN 400 FT. OF ANY PORTION OF THE BUILDING WITH A MINIMUM 1500 GALLON FIRE FLOW. AVAILABLE FIRE HYDRANT APPROXIMATELY 360' FROM BUILDING.

### CONSULTANTS

MATSON BRITTON ARCHITECTS ARCHITECTS: 728 N. BRANCIFORTE

SANTA CRUZ, CA 95062 PHONE: 831-425-0544 FAX: 831-425-4795

FAX: 831-425-1522

**ENGINEERING:** R.I. ENGINEERING, INC.

303 POTRERO STREET, STE. 42-202 SANTA CRUZ, CA 95060 PHONE: 831-425-3901

SURVEYING: HANAGAN LAND SURVEYING, INC

> 305-C SOQUEL AVE SANTA CRUZ, CA 95062 PHONE: 831-469-3428 FAX: 831-469-3400

**GEOLOGIST:** ZINN GEOLOGY 2231 40th Avenue

Santa Cruz, CA 95062 Voice: (831) 334-4833

**GEOTECHNICAL ENGINEERS** PACIFIC CREST ENGINEERING INC

444 Airport Blvd, Suite 106 Watsonville, CA 95076 PHONE: (831) 722-9446 FAX: (831) 722-9158

# PROJECT INFORMATION

OWNER:

JIM & SUE VAUDAGNA 379 BEACH DRIVE APTOS, CA 95003

A. P. N.:

043-095-14

R-1-6

**ZONING:** 

R-3 & U (PER 2016 CBC)

CONSTRUCTION TYPE:

OCCUPANCY GROUP:

V-B SPRINKLERED

PROJECT DESCRIPTION:

THE DEMOLITION OF AN EXISTING 3 STORY 2070 SF RESIDENCE, AND THE CONSTRUCTION OF A NEW 3 STORY 2631SF RESIDENCE WITH EXTERIOR STAIRS, GARAGE, DECK AND BALCONY.

THIS PROJECT CONSISTS OF:

THE DEMOLITION OF AN EXISTING 2070 SF RESIDENCE AND THE CONSTRUCTION OF A NEW 2631 SF RESIDENCE, INCLUDING A 400 SF GARAGE AND 691 SF ENTRY AND STORAGE AT THE GROUND FLOOR; A 1456 SF SECOND STORY LIVING AREA, A 1175 SF THIRD STORY LIVING AREA WITH A 200 SF DECK AND 38 SF BALCONY. THE PROPERTY IS LOCATED AT 379 BEACH DRIVE.

UTILITY DISTRICTS:

SOQUEL CREEK WATER DISTRICT

SANTA CRUZ COUNTY SANITATION DISTRICT

#### SHEET INDEX

TITLE SHEET

SITE PLAN

PROPOSED SITE SECTION PROPOSED GROUND FLOOR PLAN & ROOF PLAN

PROPOSED SECOND AND THIRD FLOOR PLANS

PROPOSED EXTERIOR ELEVATIONS

GRADING AND DRAINAGE PLAN

C-2

RETAINING WALL DETAIL

STORMWATER POLLUTION CONTROL PLAN

SU-1 SURVEY PLAN

SURVEY SITE SECTION

## PROJECT CALCULATIONS

LOT AREA:

**GROSS AREA:** 

2,882 S.F. (50%)

5,763 S.F.

MAX LOT COVERAGE (40% OF NET LOT SIZE)

2,305 S.F. (40%) 5.763 S.F. x .40 =

PROPOSED LOT COVERAGE AREA: **BUILDING FOOTPRINT:** 

1,110 S.F. (19%)

MAXIMUM FLOOR AREA RATIO (50% OF LOT SIZE):

5,763 S.F. x .50 =

CONDITIONED AREA: 1ST FLOOR (NON-HABITABLE, UNDER 7' HIGH:)

N.A. S.F. 1,456 S.F. 2ND FLOOR 3RD FLOOR (EXCLUDES STAIRWELL & ELEVATOR): 1,175 S.F 2,631 S.F. TOTAL CONDITIONED AREA: GARAGE AREA: 399 S.F.

GARAGE (LESS 225 S.F. CREDIT):

TOTAL F.A.R.

174 S.F.

2,805 S.F. (48.7%)

1,456 S.F.

1,175 S.F.

2,631 S.F.

CIVIL DWG

200 S.F.

38 S.F.

PROPOSED ADDITION AREAS (CONDITIONED): 1ST FLOOR (NON-CONDITIONED): 2ND FLOOR

3RD FLOOR TOTAL PROPOSED CONDITIONED AREA:

3RD FLOOR OPEN DECKS AREA: 3RD FLOOR OPEN BALCONY AREA:

IMPERVIOUS AREAS: APPROX

2 COVERED PARKING SPACES PROVIDED 2 UNCOVERED PARKING SPACES PROVIDED



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↑ 3/29/18 PLANNING 2 9/26/18 PLANNIN

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0 VAUDAGNA

S H E E

FEATURES TO REMAIN. ALL EXISTING SITE WALLS,

NO NEW, OR DEMOLITION OF LANDSCAPE AND

HARDSCAPE, OTHER THAN AT IMMEDIATE AREAS

LINE OF EXISTING WOOD FENCE

PROPOSED 1ST FLOOR ADDITION

PROPOSED 2ND FLOOR ADDITION

EXISTING IMPERVIOUS CONCRETE DRIVE & PATIOS

NEW IMPERVIOUS DRIVE, PATIO & WALKWAY

HILLSIDE GRADE SEE CIVIL DWGS

EXISTING RESIDENCE TO BE REMOVED

NO TREES 6" AND OVER TO BE REMOVED.

\_ \_ \_ \_ \_ LINE OF NEW ROOF OUTLINE

FENCES AND GATES TO REMAIN.

OF NEW CONSTRUCTION.

SITE LEGEND

\_ \_ \_ \_ \_ \_ \_ \_ \_

SITE PLAN NOTES

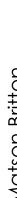
CONTROL AND STORM DRAINAGE.

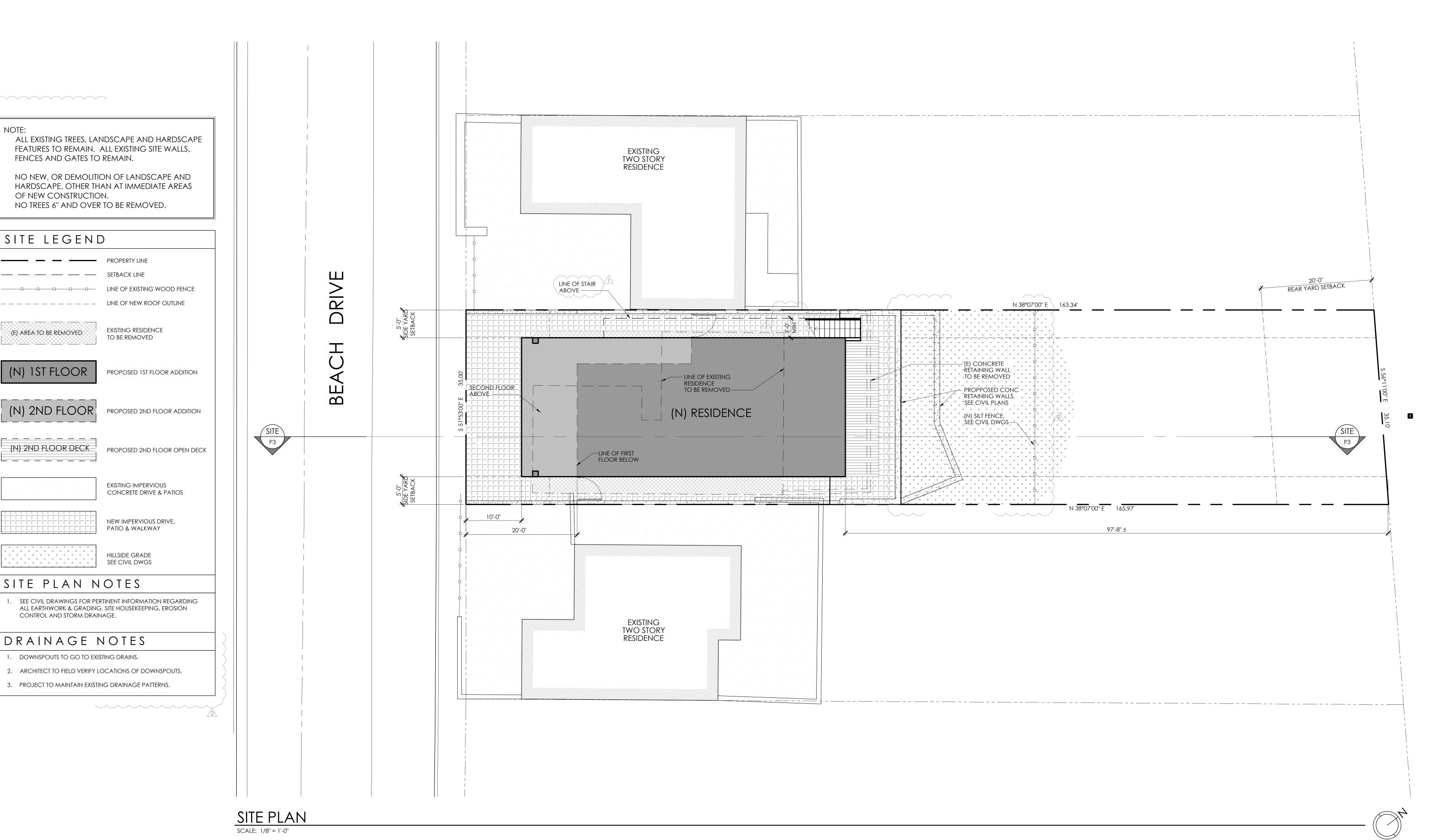
DRAINAGE NOTES

1. DOWNSPOUTS TO GO TO EXISTING DRAINS.

2. ARCHITECT TO FIELD VERIFY LOCATIONS OF DOWNSPOUTS.

3. PROJECT TO MAINTAIN EXISTING DRAINAGE PATTERNS.





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REVISION: ↑ 3/29/18 PLANNING 2 9/26/18 PLANNING

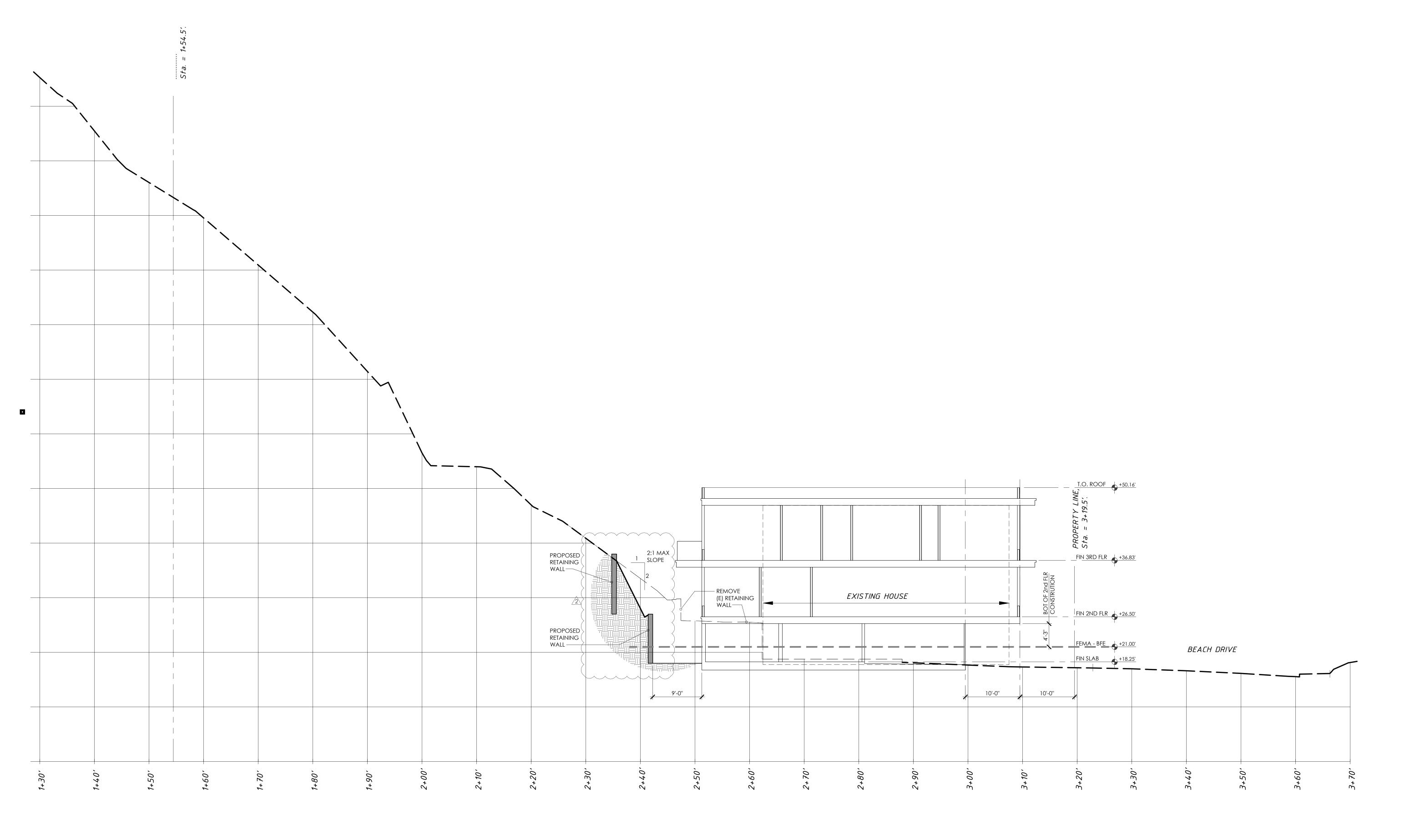
SITE



D A T E 11 / 01 / 21 D R A W N

VAUDAGNA S H E E





SCALE: 1/8" = 1'-0"

WATSON
A R C H I T E C T S

S A N T A C R U Z
C A 9 5 0 6 2
8 3 1 - 4 2 5 - 0 5 4 4

N O T I C E

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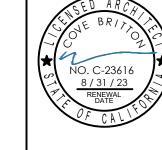
3/29/18 PLANNING 2 9/26/18 PLANNING

EACH DRIVE

.

SITE SECTION

D ARCH/



D A T E

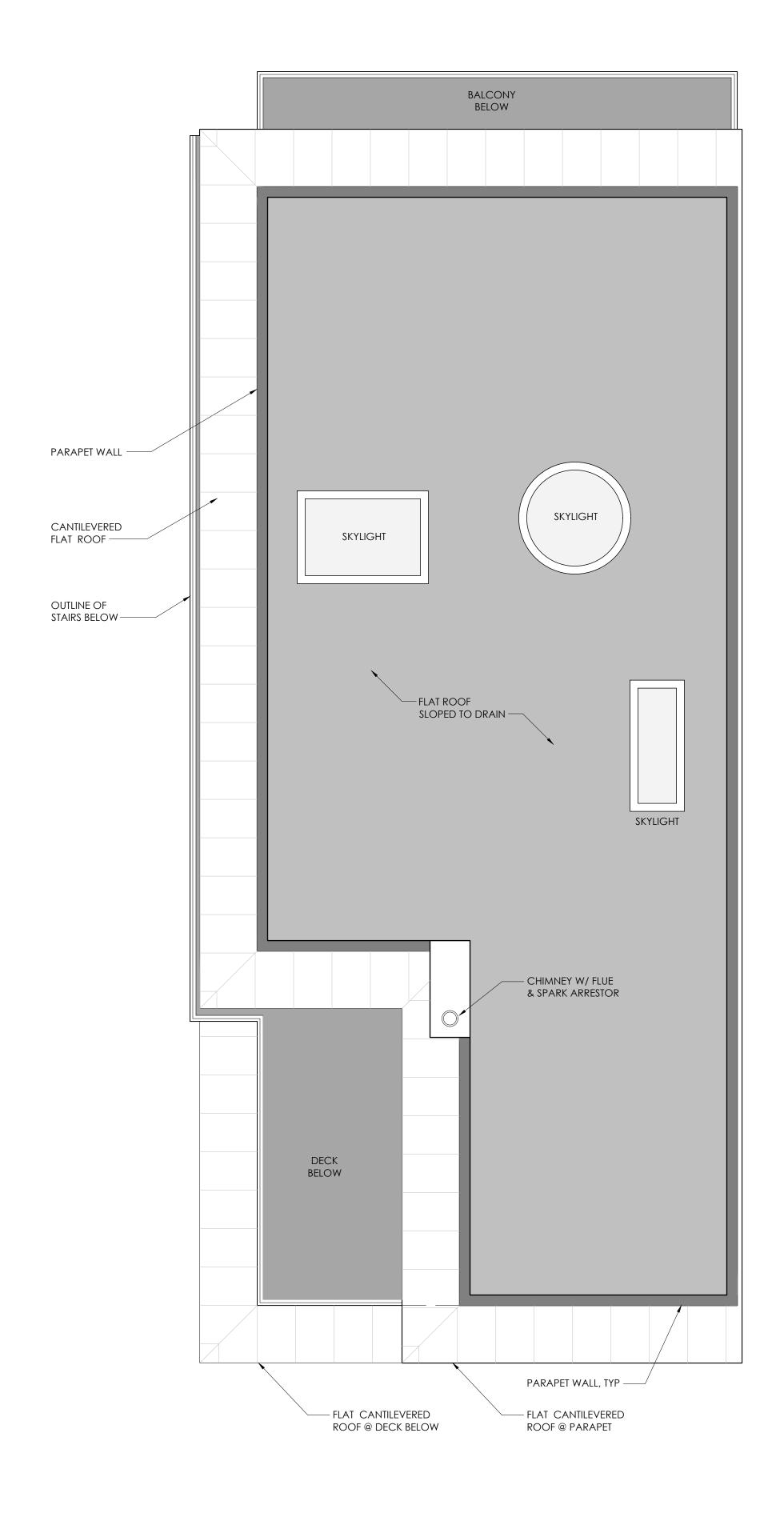
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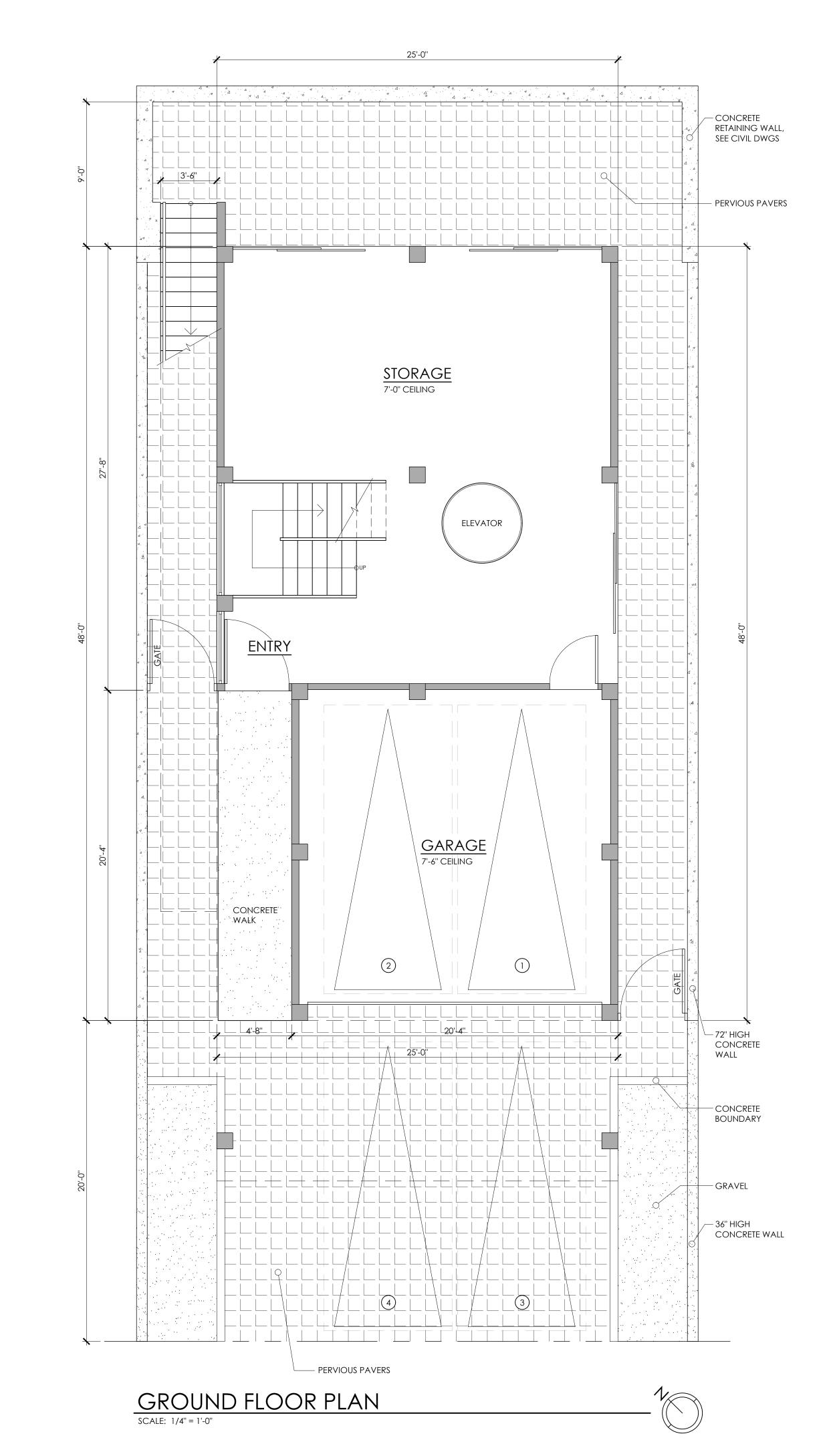
VAUDAGNA S H E E T

Р3



ROOF PLAN

SCALE: 1/4" = 1'-0"





GROUND FLOOR PLAN ROOF PLAN

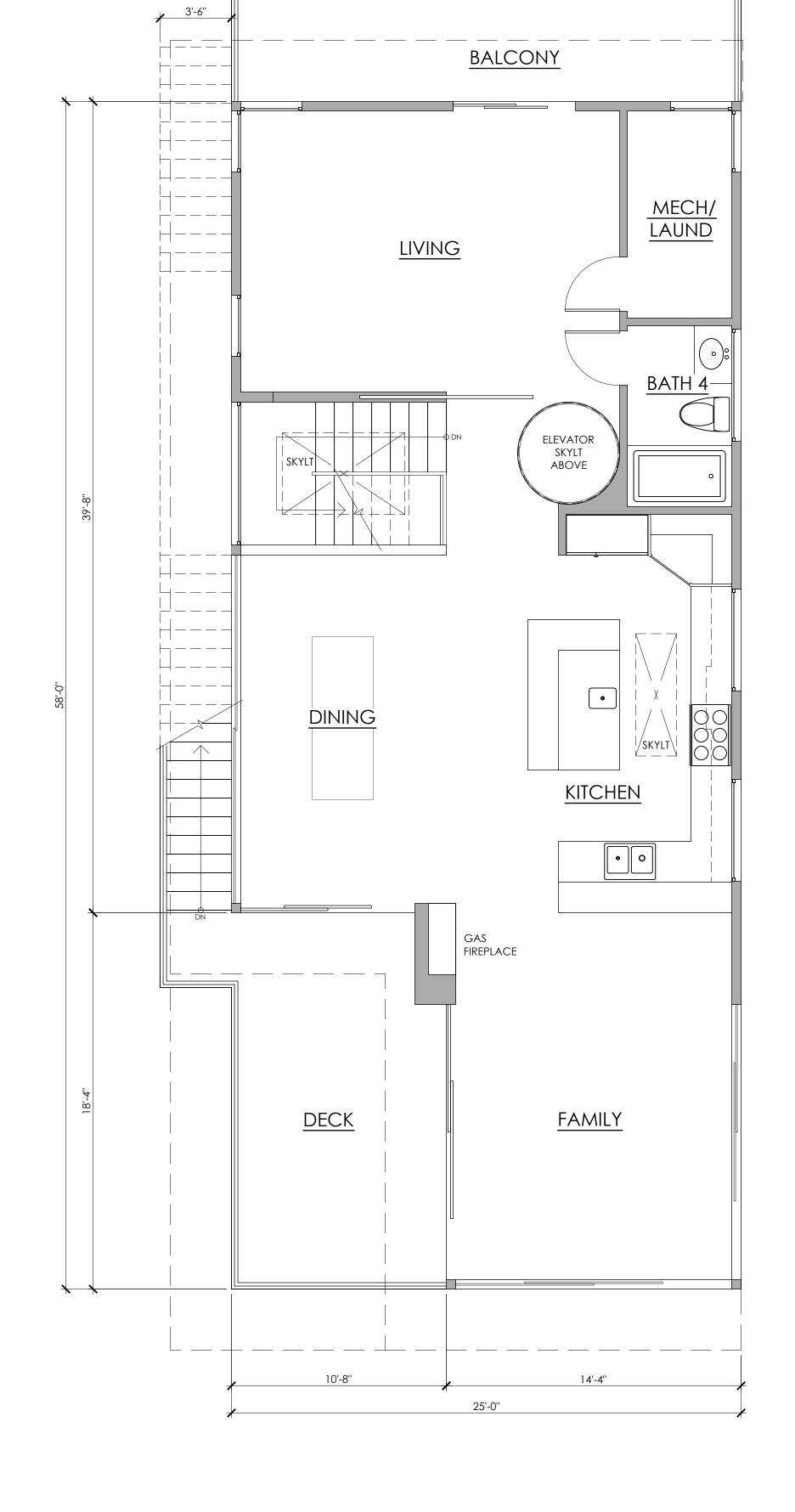
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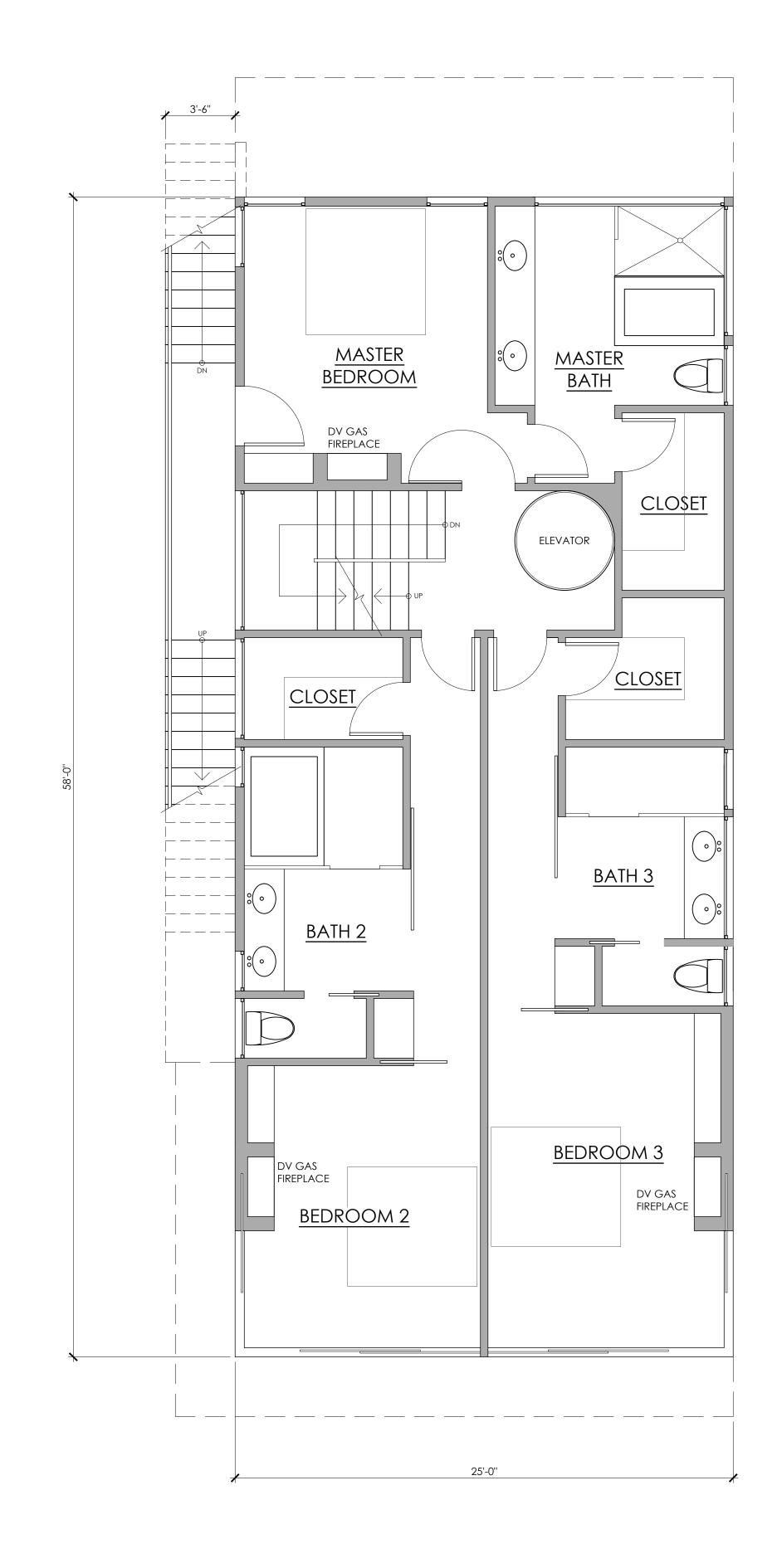






THIRD FLOOR PLAN

SCALE: 1/4" = 1'-0"



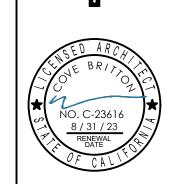
SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"



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R E V I S I O N S 3/29/18 PLANNING 9/26/18 PLANNING

SECOND & THIRD FLOOR PLANS

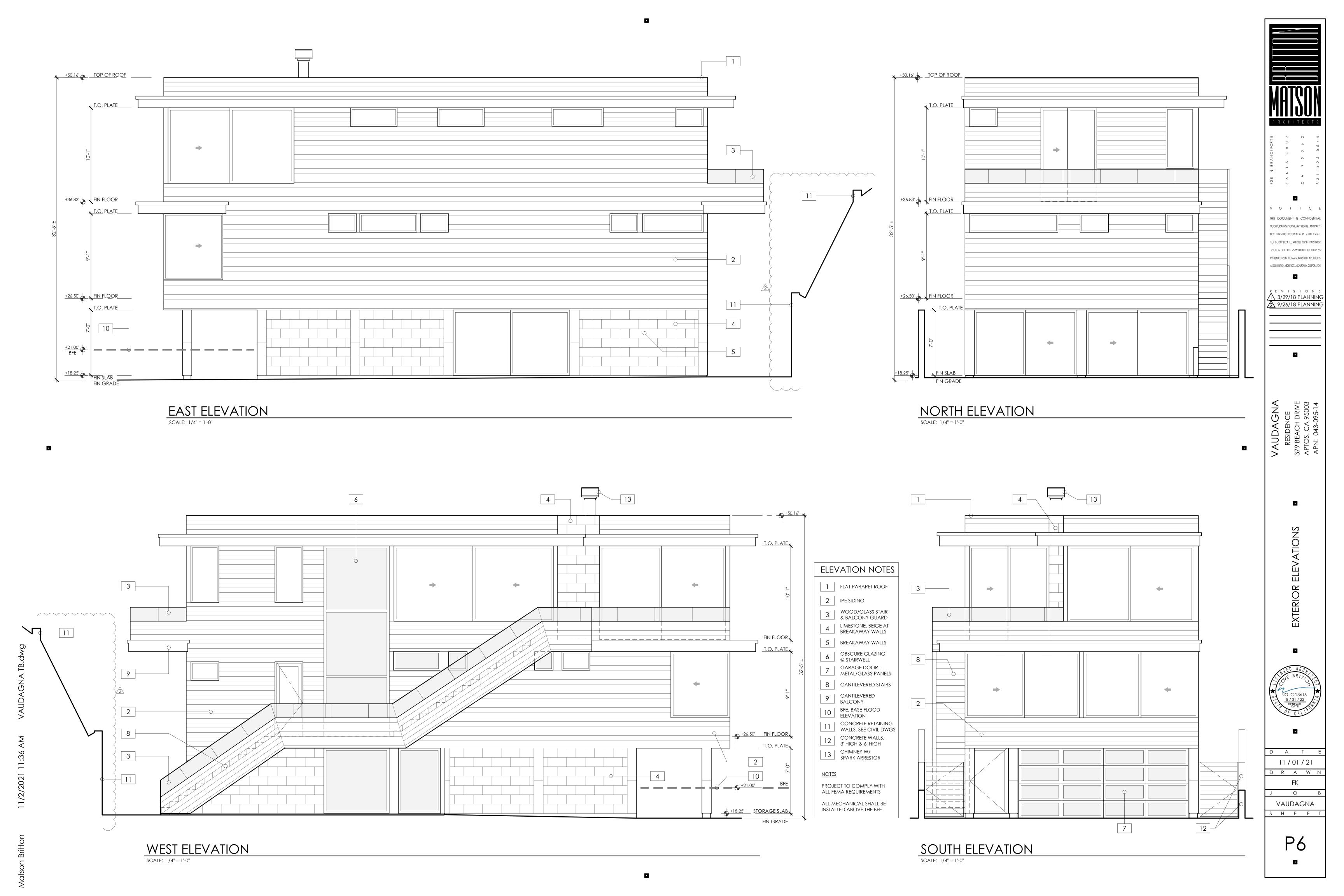


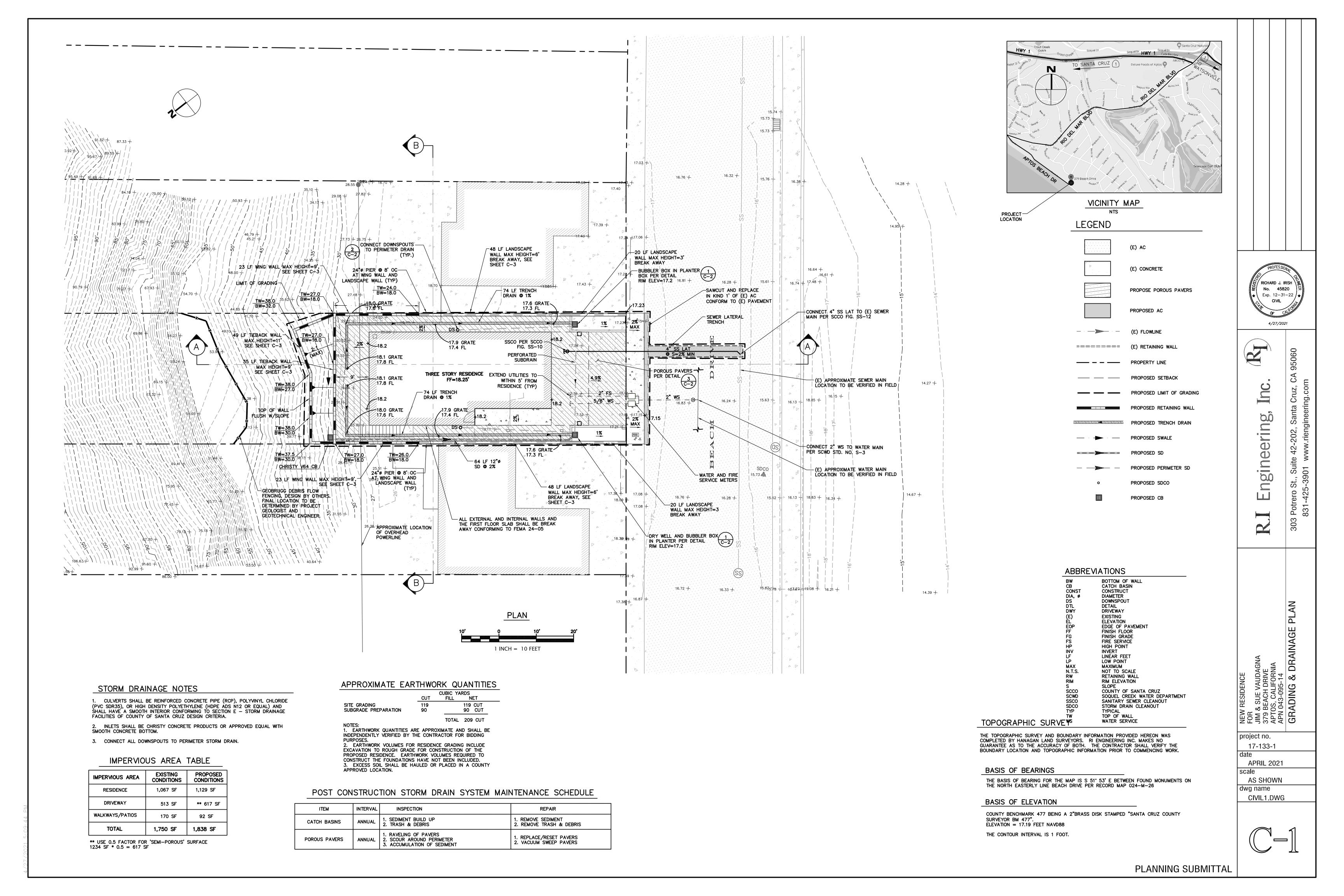
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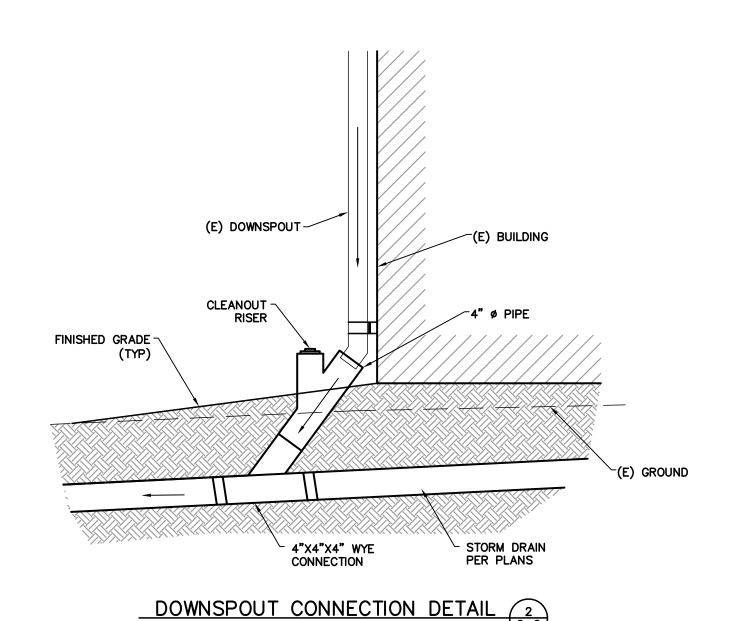
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S H E E T

P5







BUBBLER BOX AND DRY WELL/OUTLET DETAIL

POROUS PAVERS

OFTAIL

C-2

FLOW FENCING

TRENCH DRAIN-

INSTALL TWO ROWS OF

28

GROUTED TIEBACKS

INSTALL TWO ROWS OF GROUTED TIEBACKS

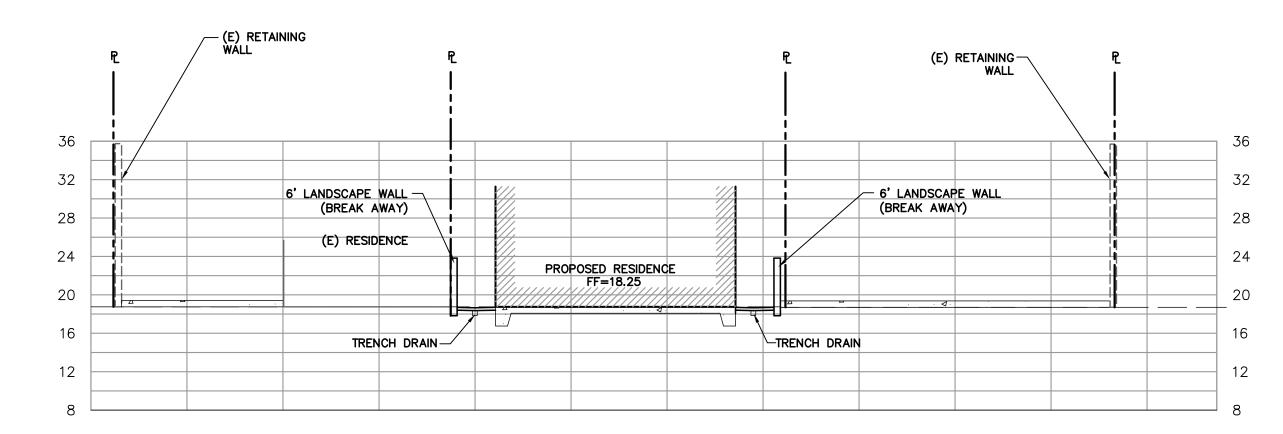
GEOBRUGG DEBRIS (E) GROUND RETAINING WALL, SEE SHEET C-3 -FINISHED GRADE \_VEGETATED SWALE -9' RETAINING WALL, SEE SHEET C-3 -CONC. SIDEWALK PER SANTA CRUZ PROPOSED RESIDENCE COUNTY DETAIL FF=18,25

-POROUS PAVERS 3

PER DETAIL

- - - - - -

SECTION A-A SCALE: 1"=10' HORIZONTAL, VERTICAL



SECTION B-B SCALE: 1"=10' HORIZONTAL, VERTICAL

## - ASTM No. 8 BEDDING STONE - MIRAFI HP370 PERMEABLE PAVERS GEOTEXTILE FABRIC CLASS 2 PERMEABLE MATERIAL SCARIFY AND COMPACT UPPER 8"-- 4"ø PVC SD35 OF SUBGRADE SOIL TO 95% RC. PERFORATED PIPE

PERVIOUS PAVER DRIVEWAY/WALKWAY SECTION 3

GENERAL NOTES

THE CONTRACTOR SHALL MAKE A DETAILED AND THOROUGH STUDY OF THESE PLANS IN THEIR ENTIRETY PRIOR TO ANY WORK ON THE JOBSITE. THE CONTRACTOR IS TO VERIFY ALL EXISTING CONSTRUCTION CONDITIONS AND IS TO COORDINATE THESE DRAWINGS WITH ALL OTHER TRADE DISCIPLINES FOR THE COMPLETED WORK. THE CONTRACTOR IS ALSO TO UNDERSTAND THAT ANY FEATURE OF CONSTRUCTION NOT FULLY SHOWN OR DETAILED SHALL BE OF THE SAME TYPE AS SHOWN FOR SIMILAR

2. THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE ENGINEER ANY DISCREPANCY OCCURRING ON THE DRAWINGS OR FOUND IN HIS COORDINATION WORK. NO CHANGES IN APPROVED PLANS SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE PROJECT

ENGINEER AND THE COUNTY OF SANTA CRUZ DEPARTMENT OF PUBLIC WORKS. ANY REQUEST FOR ALTERATIONS OR SUBSTITUTIONS MUST BE PRESENTED DIRECTLY TO THE PROJECT ENGINEER, ACCOMPANIED BY A DETAILED SKETCH, FOR REVIEW, BEFORE ANY APPROVAL WILL BE GIVEN AND BEFORE PROCEEDING WITH THE WORK. ABSOLUTELY

NO ALTERATIONS OF THESE DOCUMENTS OF ANY KIND WILL BE APPROVED ON ANY SHOP

4. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS (CALTRANS), LATEST EDITION, THE COUNTY OF

SANTA CRUZ DESIGN CRITERIA AND ALL APPLICABLE CODES AND ORDINANCES.

5. THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ON THE PLANS WERE OBTAINED FROM RECORD DRAWINGS AND MAY NOT REPRESENT TRUE LOCATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND DEPTH OF THESE UTILITIES PRIOR TO CONSTRUCTION, AND TO NOTIFY THE PROJECT ENGINEER IN CASE OF CONFLICT.

6. THE CONTRACTOR SHALL SECURE ALL REQUIRED CONSTRUCTION PERMITS FROM THE COUNTY OF SANTA CRUZ PRIOR TO THE START OF WORK.

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 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 CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD PROJECT ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY RISING FROM THE SOLE NEGLIGENCE OF THE PROJECT ENGINEER.

GRADING SHALL BE DONE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL INVESTIGATIONS AND THE REQUIREMENTS OF THE COUNTY OF SANTA

9. THE CONTRACTOR SHALL NOTIFY THE COUNTY GRADING INSPECTOR, GEOTECHNICAL ENGINEER, THE CIVIL ENGINEER, & THE COUNTY CONSTRUCTION ENGINEER AT LEAST 48 HOURS PRIOR TO TO THE START OF CONSTRUCTION.

10. WORK SHALL BE LIMITED TO 8:00 A.M. TO 5:00 PM WEEKDAYS. NON-NOISE PRODUCING ACTIVITIES, SUCH AS INTERIOR PAINTING, SHALL NOT BE SUBJECT TO THIS

11. ALL FIGURE (FIG.) REFERENCES, UNLESS OTHERWISE SPECIFIED, REFER TO STANDARD DRAWINGS IN THE CURRENT EDITION OF THE "COUNTY OF SANTA CRUZ DESIGN CRITERIA." 12. NO LAND CLEARING, GRADING OR EXCAVATING SHALL TAKE PLACE BETWEEN OCTOBER 15 AND APRIL 15 UNLESS THE PLANNING DIRECTOR APPROVES A SEPARATE WINTER EROSION CONTROL PLAN.

13. BETWEEN OCTOBER 15 AND APRIL 15, EXPOSED SOIL SHALL BE PROTECTED FROM EROSION AT ALL TIMES. DURING CONSTRUCTION SUCH PROTECTION MAY CONSIST OF MULCHING AND/OR PLANTING OF NATIVE VEGETATION OF ADEQUATE DENSITY. BEFORE COMPLETION OF THE PROJECT, ANY EXPOSED SOIL ON DISTURBED SLOPES SHALL BE PERMANENTLY PROTECTED FROM EROSION.

14. THE CONTRACTOR SHALL APPLY WATER TO ALL EXPOSED EARTH SURFACES AT INTERVALS SUFFICIENT TO PREVENT AIRBORNE DUST FROM LEAVING THE PROJECT SITE. ALL EXPOSED EARTH SHALL BE WATERED DOWN AT THE END OF THE WORK DAY.

15. WHILE IN TRANSIT TO AND FROM THE PROJECT SITE, ALL TRUCKS TRANSPORTING FILL SHALL BE EQUIPPED WITH TARPS.

16. PURSUANT TO SECTIONS 16.40.040 AND 16.42.100 OF THE COUNTY CODE, IF AT ANY TIME DURING SITE PREPARATION, EXCAVATION, OR OTHER GROUND DISTURBANCE ASSOCIATED WITH THIS DEVELOPMENT, ANY ARTIFACT OR OTHER EVIDENCE OF AN HISTORIC ARCHEOLOGICAL RESOURCE OR A NATIVE AMERICAN CULTURAL SITE IS DISCOVERED. THE RESPONSIBLE PERSONS SHALL IMMEDIATELY CEASE AND DESIST FROM ALL FURTHER SITE EXCAVATION AND NOTIFY THE SHERIFF-CORONER IF THE DISCOVERY CONTAINS HUMAN REMAINS, OR THE PLANNING DIRECTOR IF THE DISCOVERY CONTAINS NO HUMAN REMAINS. THE PROCEDURES ESTABLISHED IN SECTIONS 16.40.010 AND 16.42.100, SHALL BE OBSERVED.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF CONSTRUCTION PLANS. OR ENGINEER'S ESTIMATES ARE FOR ESTIMATING PURPOSES ONLY AND SHALL NOT BE CONSIDERED AS A BASIS FOR CONTRACTOR PAYMENT. CONSULTANT SHALL NOT BE RESPONSIBLE FOR ANY FLUCTUATIONS IN SUCH QUANTITIES AND ESTIMATES.

18. THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO, OR USES OF, THESE PLANS. ALL CHANGES MUST BE IN WRITING AND MUST BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.

19. UNDERGROUND UTILITY LOCATIONS SHOWN ARE COMPILED FROM INFORMATION SUPPLIED BY UTILITY AGENCIES, AND ARE APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY LOCATIONS OF AFFECTED UTILITY LINES PRIOR TO ANY TRENCHING OR EXCAVATING AND POTHOLE THOSE AREAS WHERE POTENTIAL CONFLICTS EXIST OR WHERE DATA IS OTHERWISE INCOMPLETE. FOR LOCATION. CALL USA 1-800-624-1444.

20. ANY EXISTING UTILITIES THAT ARE REQUIRED TO BE RELOCATED AS A PART OF THIS CONSTRUCTION SHALL BE RELOCATED AT THE OWNER'S EXPENSE.

EARTHWORK AND GRADING

. WORK SHALL CONSIST OF ALL CLEARING, GRUBBING, STRIPPING, PREPARATION OF LAND TO BE FILLED, EXCAVATION, SPREADING, COMPACTION AND CONTROL OF FILL, AND ALL SUBSIDIARY WORK NECESSARY TO COMPLETE THE GRADING TO CONFORM TO THE LINES, GRADES, AND SLOPES, AS SHOWN ON THE APPROVED PLANS.

2. ALL GRADING OPERATIONS SHALL CONFORM TO SECTION 19 OF THE CALTRANS STANDARD SPECIFICATIONS, AND SHALL ALSO BE DONE IN CONFORMANCE WITH THE REQUIREMENTS OF THE COUNTY OF SANTA CRUZ. THE MOST STRINGENT GUIDELINE SHALL PREVAIL.

3. REFERENCE IS MADE TO THE GEOTECHNICAL INVESTIGATIONS BY PACIFIC CREST ENGINEERING, INC., ENTITLED "GEOTECHNICAL INVESTIGATION OF 379 BEACH DRIVE APTOS, CALIFORNIA FOR JIM & SUE VAUDAGNA, SARATOGA, CALIFORNIA," DATED NOVEMBER 30TH, 2017. THE CONTRACTOR SHALL MAKE A THOROUGH REVIEW OF THIS REPORT AND SHALL FOLLOW ALL RECOMMENDATIONS THEREIN. THE CONTRACTOR SHALL CONTACT PACIFIC CREST ENGINEERING. FOR ANY CLARIFICATIONS NECESSARY PRIOR TO PROCEEDING WITH THE WORK.

4. THE CONTRACTOR SHALL GRADE TO THE LINE AND ELEVATIONS SHOWN ON THE PLAN AND SHALL SECURE THE SERVICES OF A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER TO PROVIDE STAKES FOR LINE AND GRADE.

5. THE GEOTECHNICAL ENGINEER SHOULD BE NOTIFIED AT LEAST FOUR (4) DAYS PRIOR TO ANY SITE CLEARING AND GRADING

6. STRIPPED AREAS SHOULD BE SCARIFIED TO A DEPTH OF ABOUT 6", WATER-CONDITIONED TO BRING THE SOILS WATER CONTENT TO ABOUT 1%-3% ABOVE THE OPTIMUM, AND COMPACTED TO A DENSITY EQUIVALENT TO AT LEAST 90% OF THE MAXIMUM DRY DENSITY OF THE SOIL ACCORDING TO ASTM D1557 (LATEST EDITION). SUBGRADES AND AGGREGATE BASE ROCK FOR PAVEMENTS SHOULD BE COMPACTED TO A MINIMUM OF 95%.

7. ENGINEERED FILL SHOULD BE PLACED IN THIN LIFTS NOT EXCEEDING 8" IN LOOSE THICKNESS, MOISTURE CONDITIONED, AND COMPACTED TO AT LEAST 90% RELATIVE COMPACTION.

8. MATERIAL USED FOR ENGINEERED FILL SHALL MEET THE REQUIREMENTS OF THE AFOREMENTIONED REPORTS BY PACIFIC CREST

9. IMPORTED FILL MATERIAL USED AS ENGINEERED FILL FOR THE PROJECT SHALL MEET THE REQUIREMENTS OF THE AFOREMENTIONED GEOTECHNICAL INVESTIGATION.

10. ALL FILL MATERIAL SHALL BE APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER PRIOR TO JOBSITE DELIVERY AND PLACEMENT.

NO EARTHWORK OPERATIONS SHALL BE PERFORMED WITHOUT THE DIRECT OBSERVATION AND APPROVAL OF THE GEOTECHNICAL ENGINEER.

11. BARE GROUND WITHIN 10' OF FOUNDATIONS SHALL BE SLOPED AWAY @ 5% MINIMUM OR 2% MINIMUM FOR PAVED SURFACES.

No. 45820 ★\ Exp. 12-31-22 / CIVIL 4/27/2021

/ RICHARD J. IRISH `

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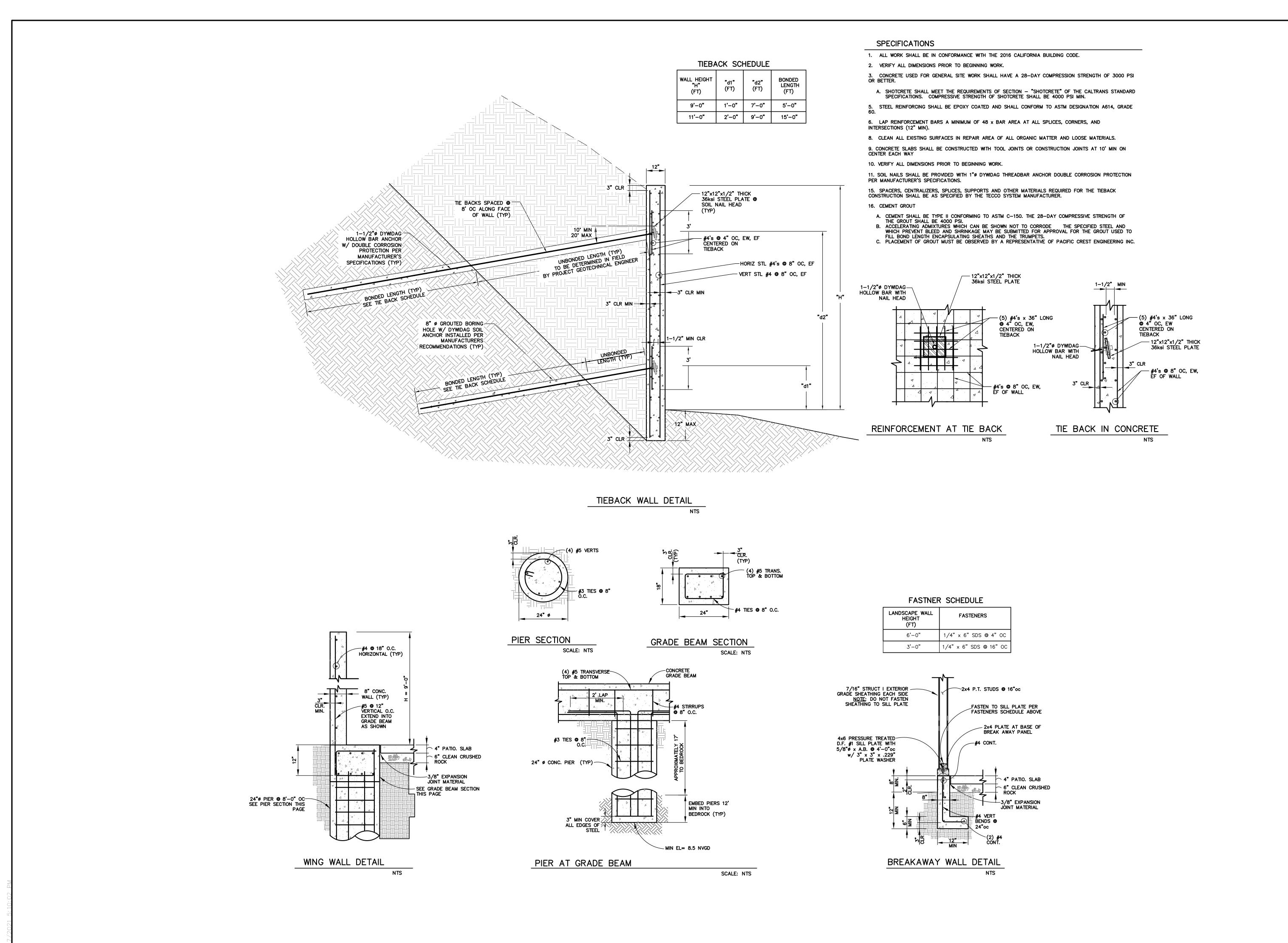
Santa 42-ww ., St rero St. -425-3

project no 17-133-1

APRIL 2021

AS SHOWN dwg name

CIVIL1.DWG



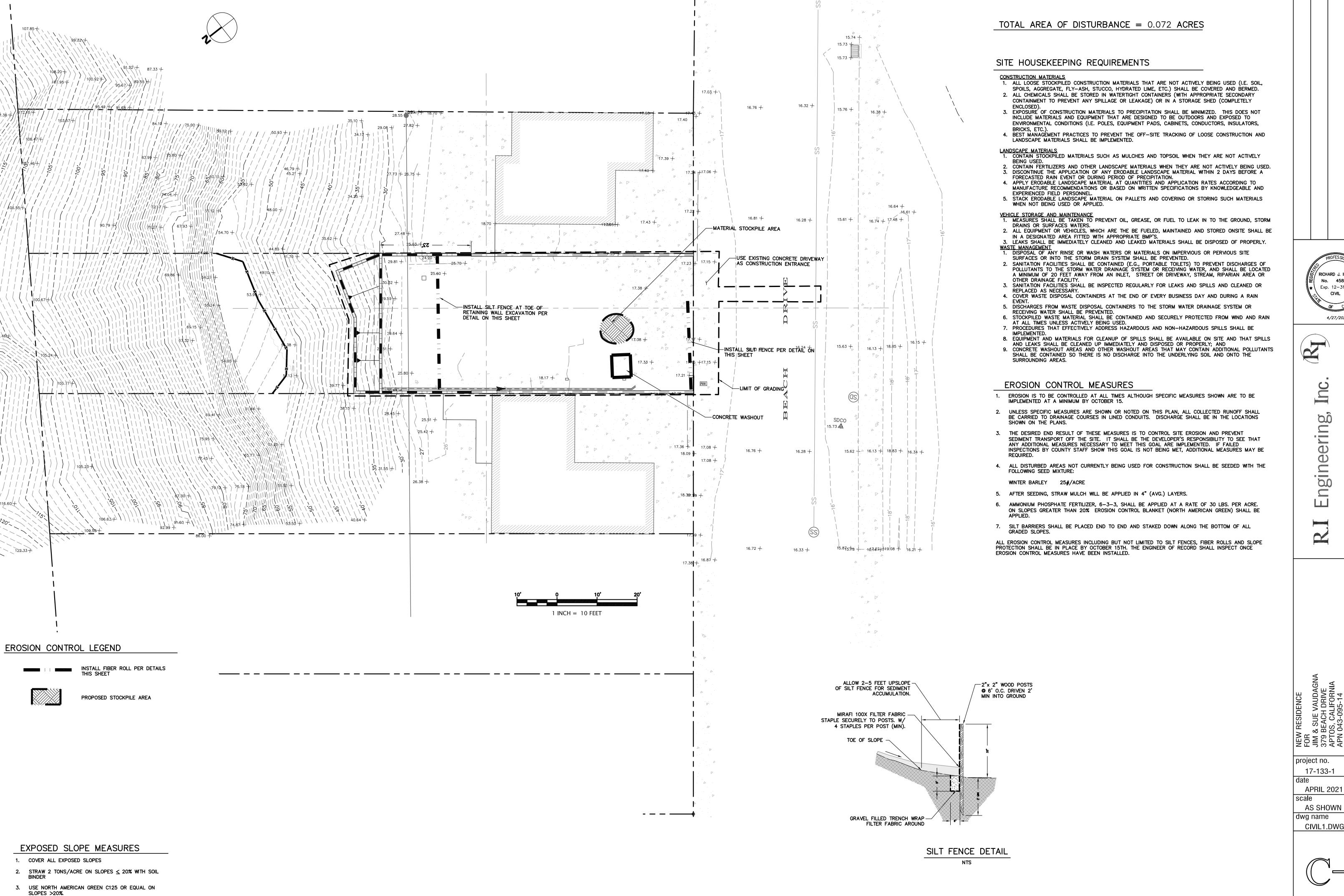
RICHARD J. IRISH No. 45820

★\ Exp. 12-31-22

CIVIL

4/27/2021

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 $^{\prime}$  richard J. Irish  $^{\setminus}$ No. 45820 ★ Exp. 12-31-22 CIVIL 4/27/2021

 $\bar{\circ}$  $\Box$ 

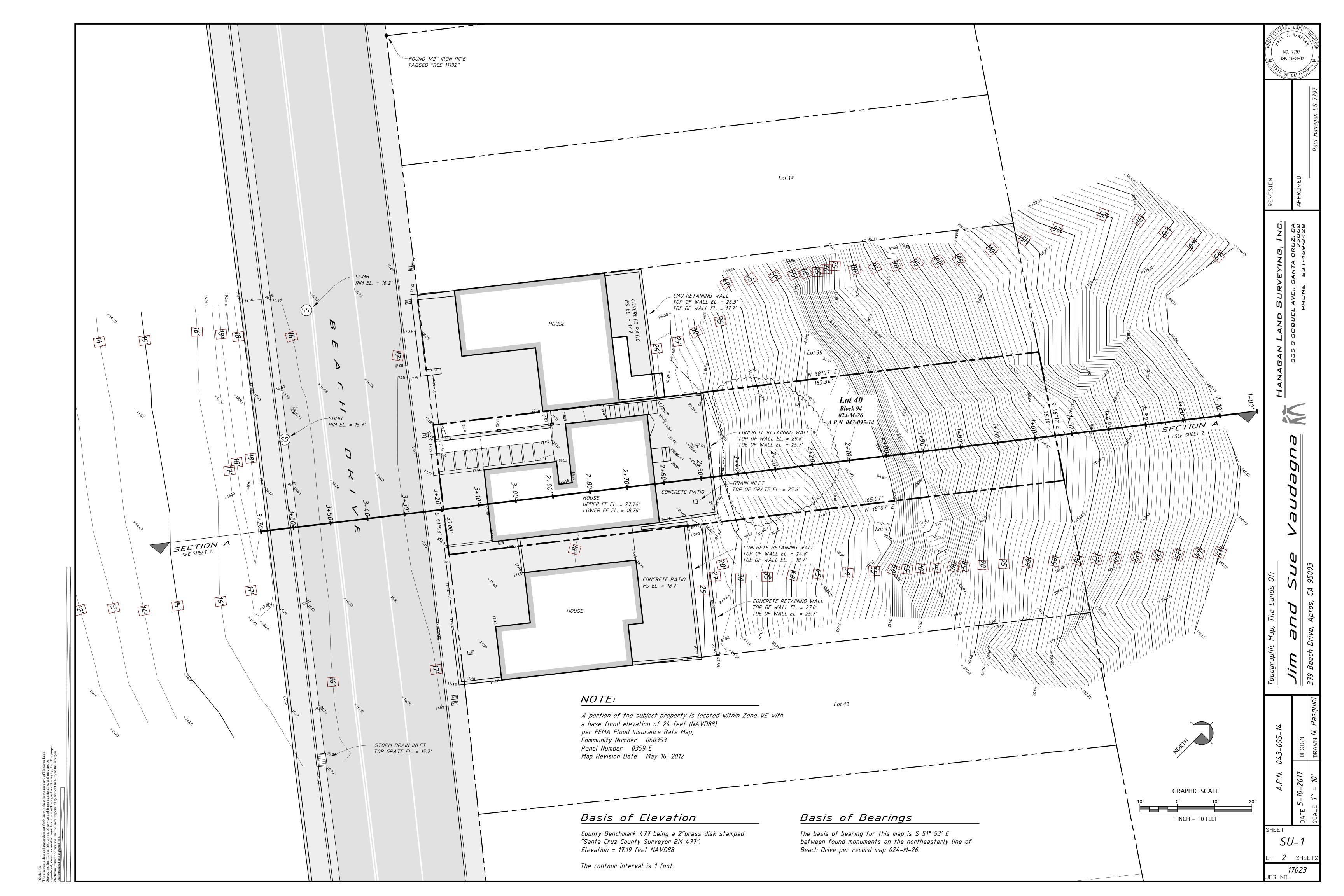
831-425-3901

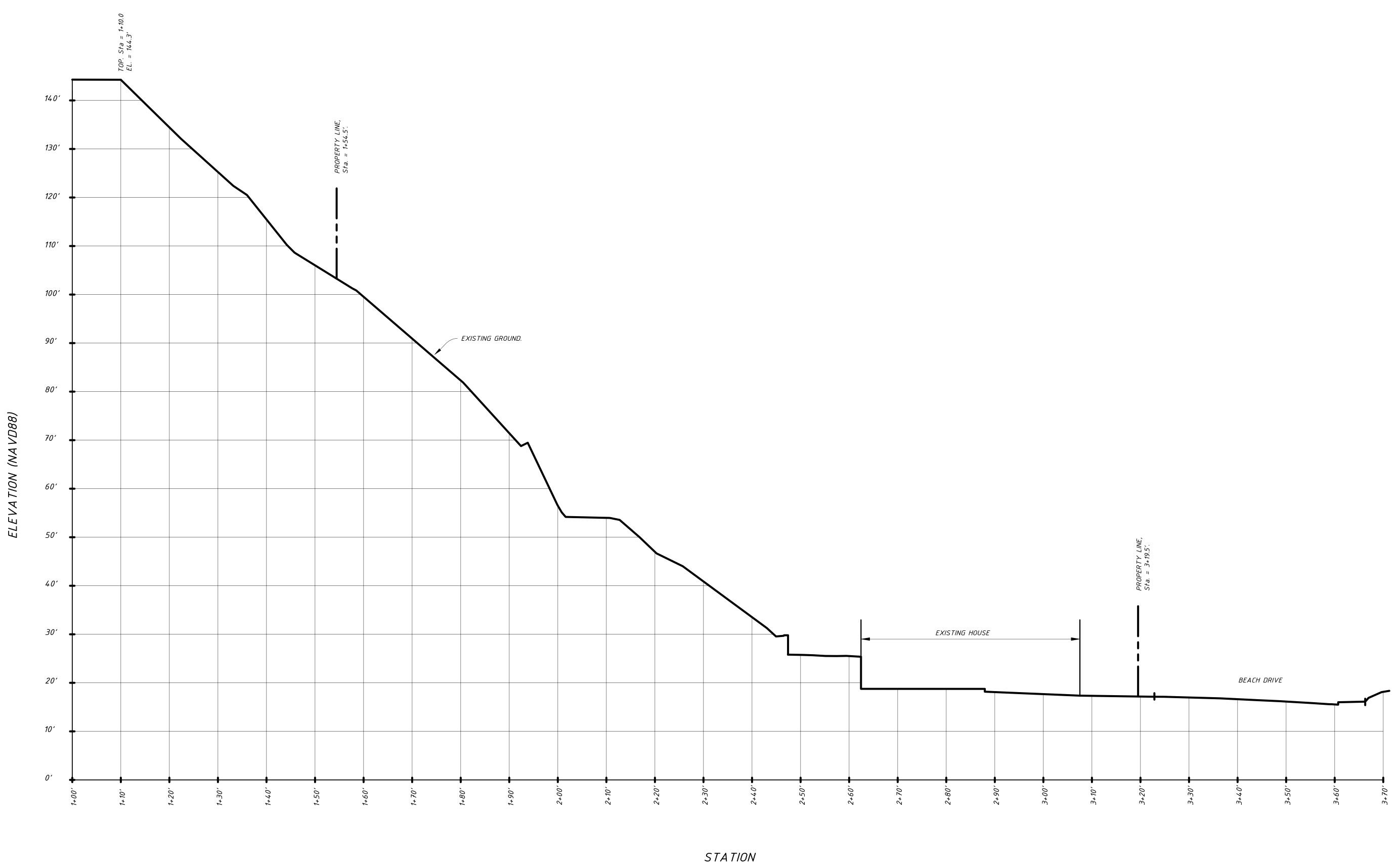
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17-133-1

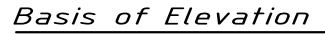
APRIL 2021

dwg name CIVIL1.DWG



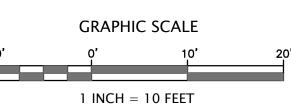






County Benchmark 477 being a 2"brass disk stamped "Santa Cruz County Surveyor BM 477". Elevation = 17.19 feet NAVD88

The contour interval is 1 foot.



20 A.P.N. 043-095-14 A.P.N. 043-095-14 DATE 5-10-2017 DESIGN SCALE 1" = 10' DRAWN N. F

*17023* 

JOB NO.