BARSANA RESIDENCE
APN: 029-35-007

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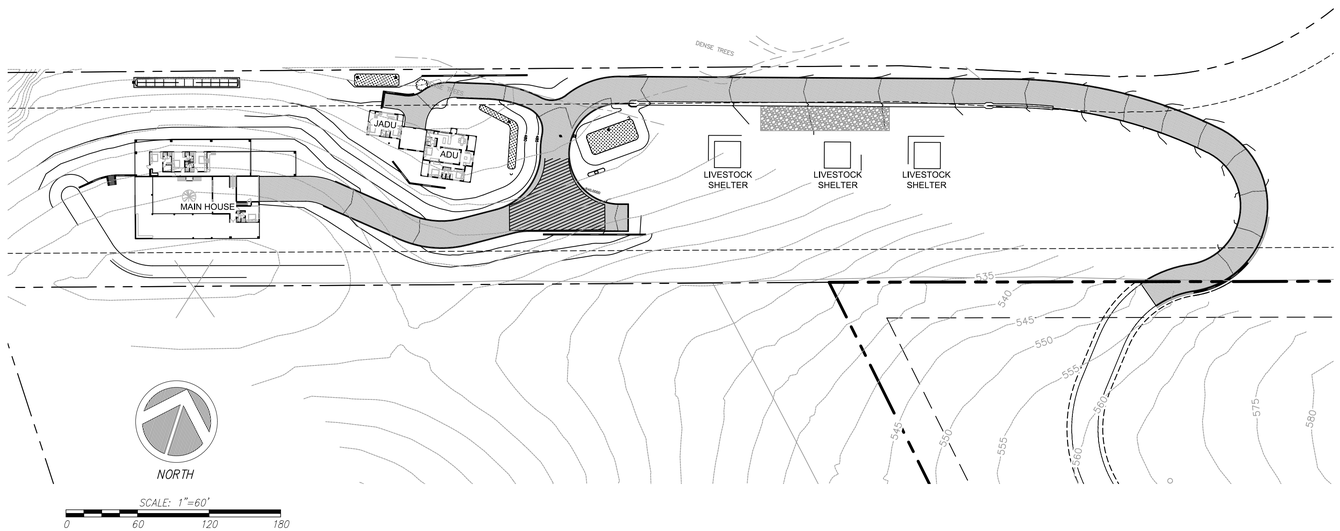
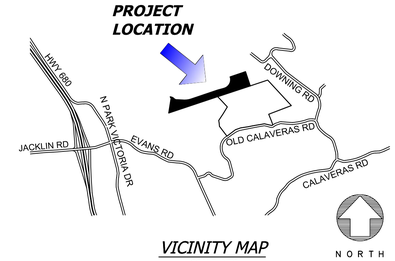
L01 - LIVESTOCK SHED FLOOR PLAN, ELEVATIONS AND SECTIONS





VICINITY MAP
SCALE: NTS

NOTES

A.P.N.	029-35-007
PRESENT USE:	AGRICULTURE/RANCH LAND/
PROPOSED USE:	AGRICULTURE/RANCH LAND/
PRESENT ZONING:	HS-D2
PROPOSED ZONING:	HS-D2
SANITARY SEWER:	SEPTIC
WATER SUPPLY:	PRIVATE WELL
GAS & ELECTRIC:	P.G. & E.
TELEPHONE:	A.T.&T.
EXISTING IMPROVEMENTS:	NONE
TOTAL PROJECT ACREAGE:	15.768 ACRES

GENERAL NOTES

NO CHANGE TO THE GRADING PLAN SHALL BE PERMITTED WITHOUT PRIOR APPROVAL BY THE OWNER OR OWNERS REPRESENTATIVES.

CONTRACTOR SHALL VERIFY LOCATIONS, ELEVATIONS AND INVERTS OF EXISTING UTILITY PRIOR TO COMMENCEMENT OF WORK AND SHALL NOTIFY OWNER OR OWNERS REPRESENTATIVES OF VARIANCE FROM THOSE SHOWN ON THE PLANS.

UNDERGROUND FACILITIES AND UTILITIES HAVE BEEN SHOWN BASED ON RECORD DRAWINGS AND VISIBLE EVIDENCE FOUND IN FIELD. NO WARRANTY IS MADE REGARDING THE COMPLETENESS OR ACCURACY OF SUCH INFORMATION. PRIOR TO CONSTRUCTION, DETERMINE THE EXACT LOCATION OF UNDERGROUND FACILITIES AND UTILITIES, AND PRESERVE SAME FROM DAMAGE. PRIOR TO CONSTRUCTION, VERIFY LOCATION AND ELEVATION OF EXISTING UNDERGROUND UTILITIES AT THE CROSSING POINTS WITH PROPOSED UTILITIES. THE CONTRACTOR SHALL NOTIFY THE OWNER OR OWNERS REPRESENTATIVES IF CONDITIONS DIFFER FROM THOSE SHOWN ON THE DRAWINGS AND SHALL NOT BEGIN CONSTRUCTION UNTIL THE CHANGED CONDITION HAS BEEN EVALUATED. CONTACT UNDERGROUND SERVICES ALERT (USA) (1-800-227-2600) TWO (2) WEEKS PRIOR TO DIGGING. REPAIR UNDERGROUND UTILITIES DAMAGED BY CONSTRUCTION OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES ASSOCIATED WITH CONTRACTOR'S FAILURE TO EXACTLY LOCATED AND PRESERVE UNDERGROUND FACILITIES AND UTILITIES.

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION WITH THE APPROPRIATE UTILITY COMPANIES AND/OR AGENCIES TO VERIFY THE EXISTENCE AND/OR LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF WORK. AND SHALL NOTIFY U.S.A. @ (800) 227-2600 AT LEAST 48-HOURS IN ADVANCE OF EXCAVATION.

IF ANY INDICATIONS OF ARCHEOLOGICAL REMIANS ARE ENCOUNTERED DURING GRADING ACTIVITIES FOR ANY DEVELOPMENT WITHIN THE PROJECT SITE, ALL WORK SHALL BE HALTED WITHIN 200 FOOT RADIUS OF THE FIND. OWNER SHALL RETAIN A QUALIFIED ARCHEOLOGIST RETAINED TO DETERMINE THE NATURE OF THE DISCOVERY AND RECOMMEND APPROPRATE EVALUATION PROCEDURES.

OWNER/DEVELOPER:

BARSANA LLC,
40762 GREYSTONE TERRACE
FREMONT , CA 94538
PHONE-(216) 496-9596
EMAIL: vijay.datt@ihf-usa.org

CIVIL ENGINEER:

C2G/CIVIL CONSULTANTS GROUP, INC
4444 SCOTTS VALLEY DRIVE STE. 6
SCOTTS VALLEY, CA 95066
OFFICE: (831) 438-4420

SURVEYOR

ALPHA LAND SURVEYS, INC.
4444 SCOTTS VALLEY DRIVE STE. 7
SCOTTS VALLEY, CA 95066
OFFICE: (831) 438-4453

(N) IMPERVIOUS AREAS TABLE

DESCRIPTION	AREA (SQ. FT.)	AREA (ACRES)	EQUIVALENT AREA (ACRES)
EXISTING	0	0	0
MAIN BUILDING & GARAGE	5,675	0.130	0.130
JADU & ADU	2,537	0.058	0.058
AC ROAD	26,632	0.611	0.611
CONCRETE VALLEY GUTTER	1,072	0.025	0.025
PROPOSED ANIMAL SHELTERS	1,452	0.033	0.033
GRAVEL BASEROCK	2,201	0.051	0.031
TOTAL (N) IMPERVIOUS AREA	39,569	0.908	0.888
TOTAL LOT AREA	686,854	15.768	15.768
IMPERVIOUS % OF TOTAL LOT			5.6%

1

BUILDING SITE APPROVAL SLOPE CALCULATIONS

$$S = \frac{I * L}{A} (100)$$

S = AVERAGE SLOPE OF THE AREA IN PERCENT
I = IS THE CONTOUR INTERVAL IN FEET
L = IS THE COMBINED LENGTH OF CONTOUR LINES IN FEET
A = SITE DEVELOPMENT AREA IN SQUARE FEET

PROPOSED DEVELOPED AREA FOR LOT

$$S = \frac{1 * 30{,}251}{158{,}412\ SQ.FT.} (100) = 19.10\%\ AVE.\ SLOPE$$

PROJECT EARTHWORK QUANTITIES

NOTE: THE EARTHWORK QUANTITIES SHOWN HEREON ARE EXCLUSIVE OF WALL FOOTINGS, EXISTING PAVEMENT REMOVAL AND OVER EXCAVATION AND RECOMPACTION, UTILITY TRENCH SPOILS & SOIL EXPANSION AND CONTRACTION FACTORS.

DESCRIPTION	CUT (cu.yds)	FILL (cu.yds)	NET (cu.yds)	MAX CUT (ft) HEIGHT	MAX FILL (ft) HEIGHT
MAIN BUILDING	682	485	197(C)	8	6
ADU/JADU	401	323	78(C)	5	4
ROAD	2808	3030	222(F)	11	10
SHELTERS	120	202	82(F)	3	3
TOTAL	4012	4040	28(F)		

NET VOLUME = 28 CU.YDS. OF FILL

THE ABOVE QUANTITIES ARE FOR INFORMATION PURPOSES ONLY.
THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE NECESSARY CUT AND FILL TO ACCOMPLISH FINISH GRADE SHOWN ON THESE PLANS.

CONTRACTOR RESPONSIBILITY

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

DISCREPANCIES

IF THERE ARE ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND EXISTING CONDITIONS WHICH WILL AFFECT THE WORK, THE CONTRACTOR SHALL BRING SUCH DISCREPANCIES TO THE DESIGN PROFESSIONAL FOR ADJUSTMENT BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER FITTING OF ALL WORK AND FOR THE COORDINATION OF ALL TRADES, SUBCONTRACTORS, AND PERSONS ENGAGED UPON THIS CONTRACT.

CONSTRUCTION SURVEYING / STAKING

CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL SURVEYING AND OR STAKING BY A LICENSED SURVEYOR FOR ALL CONSTRUCTION PURPOSES.

ADDITIONAL NOTES

- CONTRACTOR AGREES THAT HE SHALL 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 APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

- THE STANDARD SPECIFICATIONS AND DETAILS, LATEST EDITION, OF THE COUNTY OF SANTA CLARA SHALL GOVERN UNLESS OTHERWISE SPECIFIED HEREIN.

UNAUTHORIZED CHANGES AND USES

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

1

FIRE ACCESS NOTE

FIRE DEPARTMENT ACCESS SHALL BE MADE OF AN "ALL WEATHER" MATERIAL CAPABLE OF HOLDING 75,000 POUNDS.

DEFFERED SUBMITAL NOTE

THE FOLLOWING SHALL BE DEFERRED AND SUBMITTED SEPARATELY FROM THIS APPLICATION:
A. RESIDENTIAL FIRE SPRINKLERS.
B. FIRE PROTECTION UNDERGROUND (STANDARD FIRE HYDRANT).

REVISIONS	BY
1 RESPONSE TO SCC COMMENTS 11/05/21	DD

COVER SHEET

REGISTERED PROFESSIONAL ENGINEER
LOID R. CREAMER
No. C 64561
Exp. 6/30/23
CIVIL
STATE OF CALIFORNIA

C2G /CIVIL CONSULTANTS GROUP, INC.
Engineers/Planners
4444 Scotts Valley Drive / Suite 6
Scotts Valley, CA 95066
T (831) 438-4420 F (831) 438-4420

BARSANA RESIDENCE
AUGUSTE COURT
APN: 029-35-007

Date:	08/06/21
Scale:	1" = 60'
Drawn:	DD
Job:	3007.02
Sheet:	C0.1
	Of 20 Sheets

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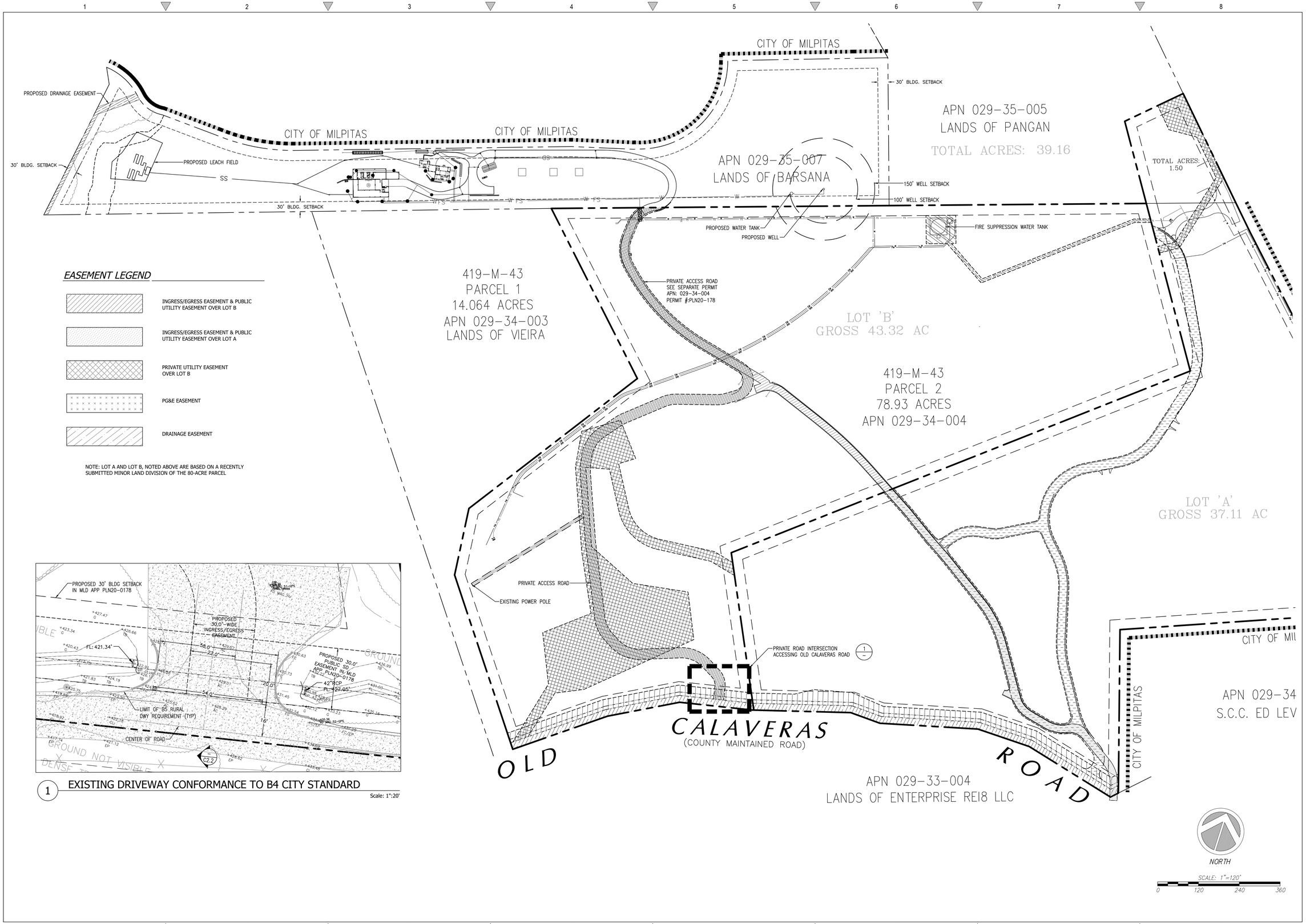

EASEMENT LEGEND

- INGRESS/EGRESS EASEMENT & PUBLIC UTILITY EASEMENT OVER LOT B
- INGRESS/EGRESS EASEMENT & PUBLIC UTILITY EASEMENT OVER LOT A
- PRIVATE UTILITY EASEMENT OVER LOT B
- PG&E EASEMENT
- DRAINAGE EASEMENT

NOTE: LOT A AND LOT B, NOTED ABOVE ARE BASED ON A RECENTLY SUBMITTED MINOR LAND DIVISION OF THE 80-ACRE PARCEL

1 EXISTING DRIVEWAY CONFORMANCE TO B4 CITY STANDARD

Scale: 1":20'

REVISIONS	BY
1 RESPONSE TO SCC COMMENTS 11/05/21	DD

PROPOSED SITE ACCESS & EASEMENTS

REGISTERED PROFESSIONAL ENGINEER
TODD R. CREAMER
No. C 64561
Exp. 6/30/23
CIVIL
STATE OF CALIFORNIA

C2G /CIVIL CONSULTANTS GROUP, INC.
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Scotts Valley, CA 95066
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BARSANA RESIDENCE
AUGUSTE COURT
APN: 029-35-007

Date:	08/06/21
Scale:	1" = 120'
Drawn:	DD
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Sheet:	C0.2
	Of 20 Sheets

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LEGEND

MIXED RIPARIAN FOREST AND WOODLAND
21,900 SQ.FT. (0.50 ACRES)

BUILDING SITE APPROVAL SLOPE CALCULATIONS

$$S = \frac{I * L}{A} (100)$$

S = AVERAGE SLOPE OF THE AREA IN PERCENT
I = IS THE CONTOUR INTERVAL IN FEET
L = IS THE COMBINED LENGTH OF CONTOUR LINES IN FEET
A = SITE DEVELOPMENT AREA IN SQUARE FEET

PROPOSED DEVELOPED AREA FOR LOT

$$S = \frac{1 * 30,251}{158,412 \text{ SQ.FT.}} (100) = 19.10\% \text{ AVE. SLOPE}$$

(X) SANITARY SEWER PIPE DATA:

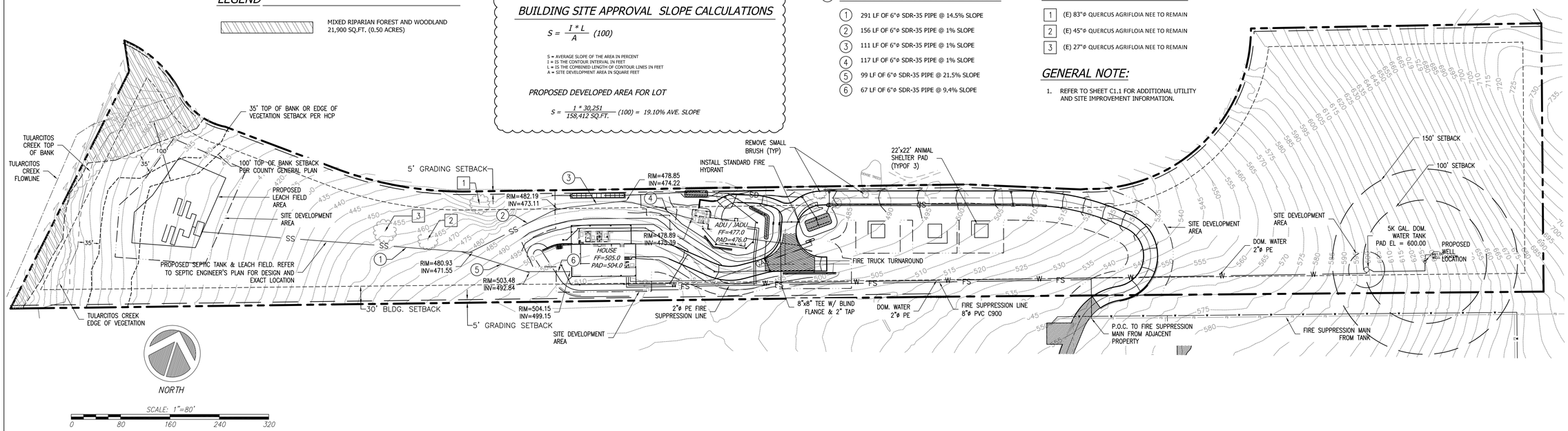
1. 291 LF OF 6"ø SDR-35 PIPE @ 14.5% SLOPE
2. 156 LF OF 6"ø SDR-35 PIPE @ 1% SLOPE
3. 111 LF OF 6"ø SDR-35 PIPE @ 1% SLOPE
4. 117 LF OF 6"ø SDR-35 PIPE @ 1% SLOPE
5. 99 LF OF 6"ø SDR-35 PIPE @ 21.5% SLOPE
6. 67 LF OF 6"ø SDR-35 PIPE @ 9.4% SLOPE

TREE DEMOLITION NOTES:

1	(E) 83"ø QUERCUS AGRIFLOIA NEE TO REMAIN
2	(E) 45"ø QUERCUS AGRIFLOIA NEE TO REMAIN
3	(E) 27"ø QUERCUS AGRIFLOIA NEE TO REMAIN

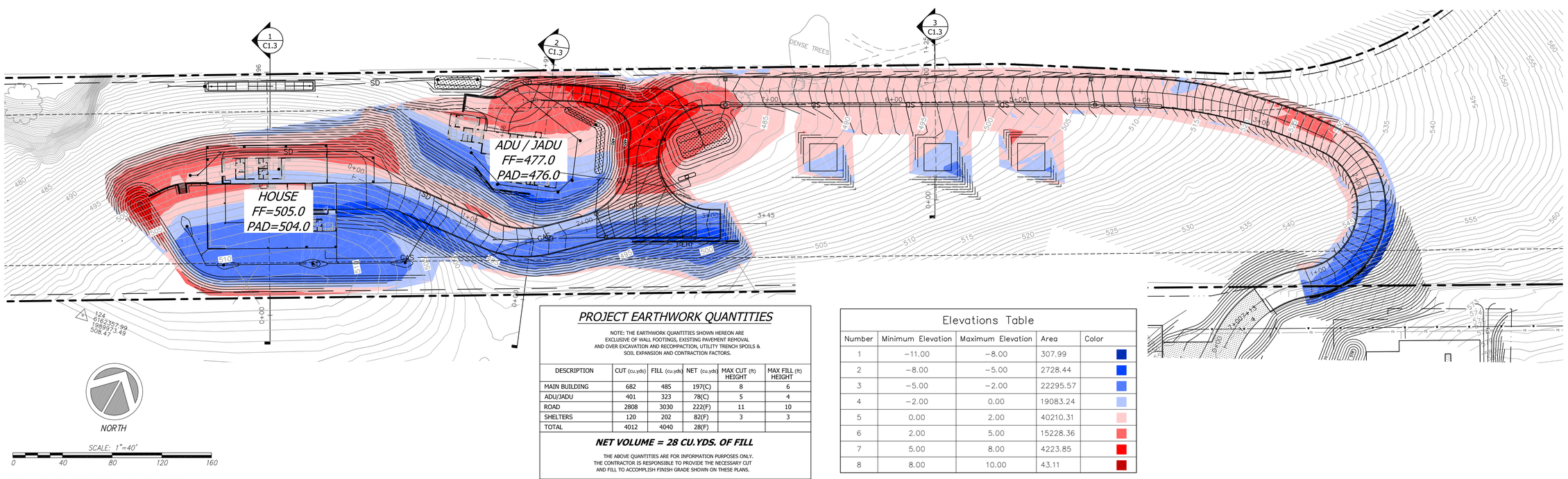
GENERAL NOTE:

1. REFER TO SHEET C1.1 FOR ADDITIONAL UTILITY AND SITE IMPROVEMENT INFORMATION.



1 ENLARGED SITE PLAN

Scale: 1":80'



PROJECT EARTHWORK QUANTITIES

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DESCRIPTION	CUT (cu.yds)	FILL (cu.yds)	NET (cu.yds)	MAX CUT (ft) HEIGHT	MAX FILL (ft) HEIGHT
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ADU/JADU	401	323	78(C)	5	4
ROAD	2808	3030	222(F)	11	10
SHELTERS	120	202	82(F)	3	3
TOTAL	4012	4040	28(F)		

NET VOLUME = 28 CU.YDS. OF FILL

THE ABOVE QUANTITIES ARE FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE THE NECESSARY CUT AND FILL TO ACCOMPLISH FINISH GRADE SHOWN ON THESE PLANS.

Elevations Table

Number	Minimum Elevation	Maximum Elevation	Area	Color
1	-11.00	-8.00	307.99	
2	-8.00	-5.00	2728.44	
3	-5.00	-2.00	22295.57	
4	-2.00	0.00	19083.24	
5	0.00	2.00	40210.31	
6	2.00	5.00	15228.36	
7	5.00	8.00	4223.85	
8	8.00	10.00	43.11	

2 CUT AND FILL ANALYSIS

Scale: 1":40'

REVISIONS	BY
1 RESPONSE TO SCC COMMENTS 11/05/21	DD

OVERALL SITE PLAN & CUT/FILL ANALYSIS

REGISTERED PROFESSIONAL ENGINEER TODD R. CREAMER No. C 64561 Exp. 6/30/23 CIVIL STATE OF CALIFORNIA

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BARSANA RESIDENCE
AUGUSTE COURT
APN: 029-35-007

Date:	08/06/21
Scale:	AS SHOWN
Drawn:	DD
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Sheet:	C1.0
	Of 20 Sheets

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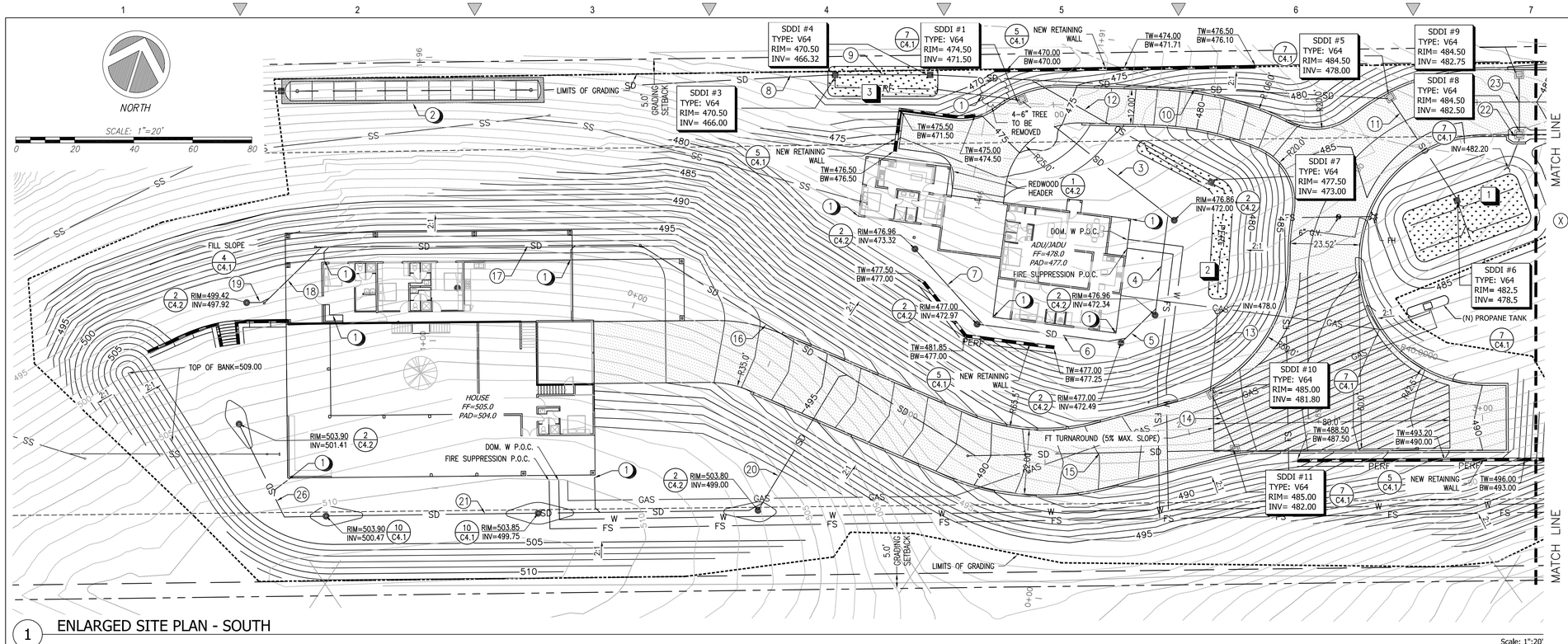
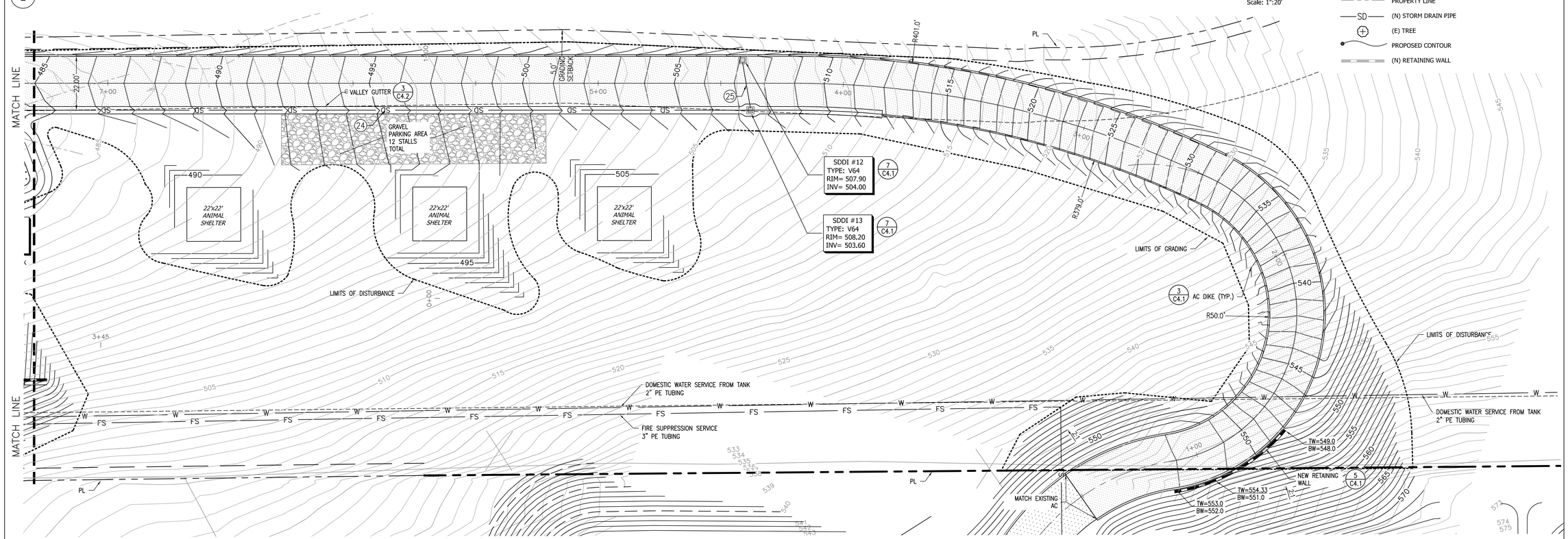


1 ENLARGED SITE PLAN - SOUTH

Scale: 1":20'



2 ENLARGED SITE PLAN - NORTH

Scale: 1":20'

X BIO-RETENTION NOTES

1. BIO-RETENTION AREA #1 747 SQ. FT. TOP OF SOIL EL = 482.0 (8/C4.1)
2. BIO-RETENTION AREA #2 389 SQ. FT. TOP OF SOIL EL = 477.0 (8/C4.1)
3. BIO-RETENTION AREA #3 375 SQ. FT. TOP OF SOIL EL = 470.0 (8/C4.1)

X STORM DRAINAGE PIPE DATA

1. 28 LF OF 8"ø SDR-35 @ 4.5% SLOPE
2. NA
3. 65 LF OF 6"ø SDR-35 @ 0.5% SLOPE
4. 34 LF OF 6"ø SDR-35 @ 1.0% SLOPE
5. 15 LF OF 6"ø SDR-35 @ 1.0% SLOPE
6. 48 LF OF 6"ø SDR-35 @ 1.0% SLOPE
7. 35 LF OF 6"ø SDR-35 @ 1.0% SLOPE
8. 30 LF OF 10"ø SDR-35 @ 1.0% SLOPE
9. 30 LF OF 10"ø SDR-35 @ 1.0% SLOPE
10. 150 LF OF 8"ø SDR-35 @ 7.8% SLOPE
11. 39 LF OF 8"ø SDR-35 @ 1.2% SLOPE
12. 71 LF OF 8"ø SDR-35 @ 6.3% SLOPE
13. 28 LF OF 6"ø SDR-35 @ 14.3% SLOPE
14. 18 LF OF 8"ø SDR-35 @ 1.1% SLOPE
15. 90 LF OF 6"ø SDR-35 @ 4.4% SLOPE
16. 132 LF OF 6"ø SDR-35 @ 6.8% SLOPE
17. 113 LF OF 6"ø SDR-35 @ 2.0% SLOPE
18. 27 LF OF 6"ø SDR-35 @ 2.0% SLOPE
19. 3 LF OF 6"ø SDR-35 @ 2.0% SLOPE
20. 56 LF OF 6"ø SDR-35 @ 20.2% SLOPE
21. 147 LF OF 6"ø SDR-35 @ 1.0% SLOPE
22. 10 LF OF 6"ø SDR-35 @ 3.0% SLOPE
23. 17 LF OF 6"ø SDR-35 @ 1.5% SLOPE
24. 305 LF OF 6"ø SDR-35 @ 7.0% SLOPE
25. 18 LF OF 6"ø SDR-35 @ 2.0% SLOPE
26. 47 LF OF 6"ø SDR-35 @ 2.0% SLOPE

X STORM DRAINAGE NOTES:

1. CONNECT TO BUILDING DOWNSPOUT. CONTRACTOR SHALL CONFIRM EXACT LOCATION OF DOWNSPOUT.
2. STORMWATER STORAGE CHAMBERS.

LEGEND

- (N) AC (1/C4.1)
- PROPERTY LINE
- SD (N) STORM DRAIN PIPE
- (E) TREE
- PROPOSED CONTOUR
- (N) RETAINING WALL

REVISIONS	BY
1 RESPONSE TO SCC COMMENTS 11/05/21	DD

ENLARGED SITE PLAN

REGISTERED PROFESSIONAL ENGINEER TODD R. CREAMER No. C 64561 Exp. 6/30/23 CIVIL STATE OF CALIFORNIA

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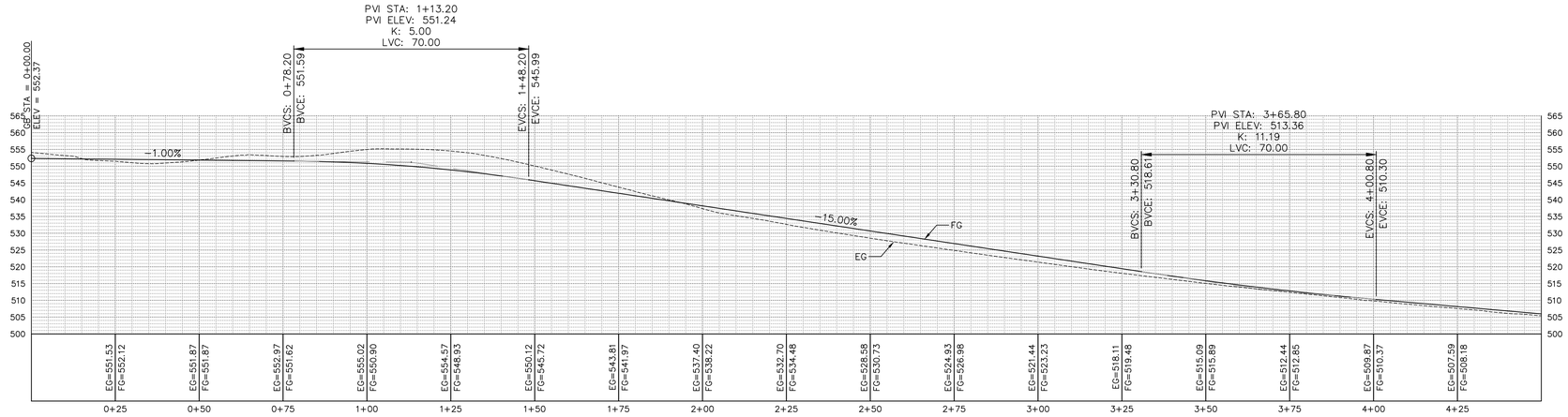
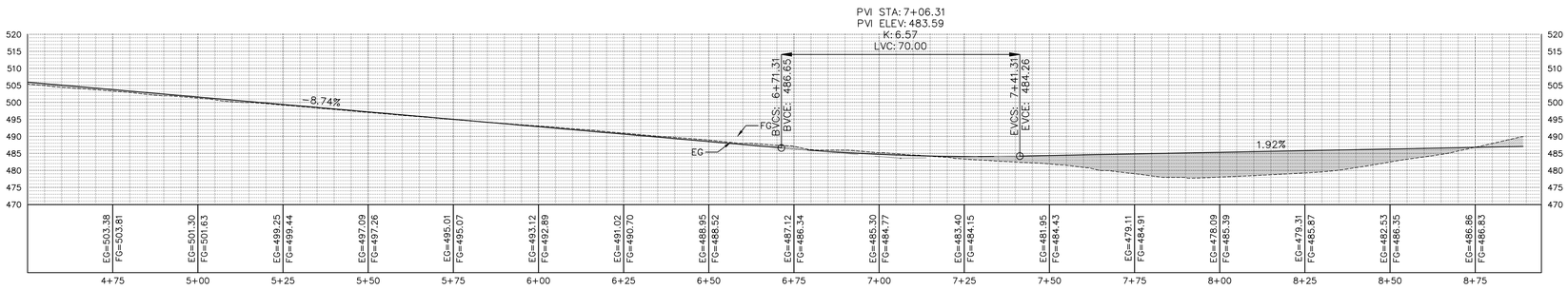
Drawn:	DD
Job:	3007.02
Sheet:	C1.1
	Of 20 Sheets

Drawing: Z:\Shared\CAD\3007.02 - RAF - Sergio Quarry 15 acre SFR\Design\CAD\Sheets\3007.02 - C1.1 - SITE PLAN.DWG Layout: C1.1 Last Saved: Tue Dec 21, 2021 - 8:17am Last Plotted: Wed Dec 22, 2021 - 3:24pm By: Dave



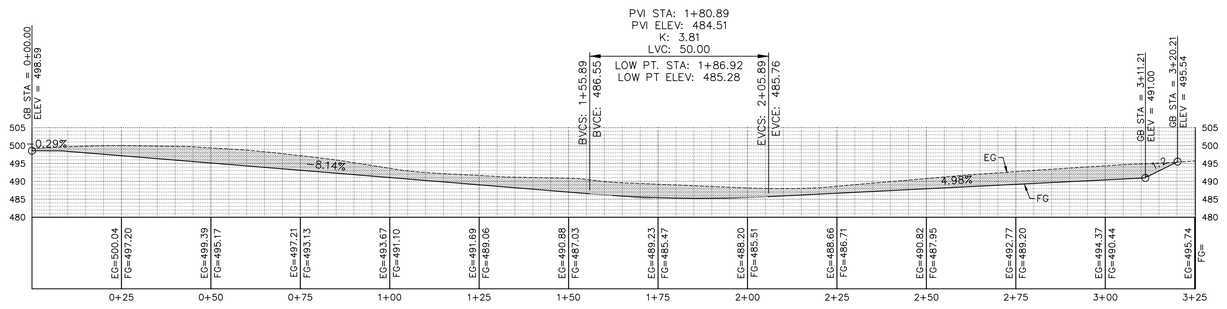
1 MAIN ROAD PROFILE - STA. 0+00 TO 4+50

Scale: 1:20



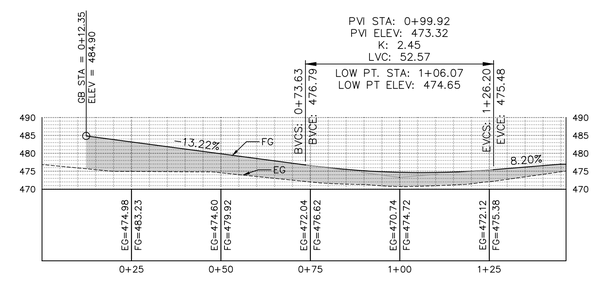
2 MAIN ROAD PROFILE - STA. 4+50 TO 8+95

Scale: 1:20



3 MAIN HOUSE DRIVEWAY PROFILE - STA. 0+00 TO 3+25

Scale: 1:20



4 ADU DRIVE PROFILE - STA. 0+00 TO 1+47

Scale: 1:20

REVISIONS	BY
1 RESPONSE TO SCC COMMENTS 11/05/21	DD

PROFILES/SECTIONS

REGISTERED PROFESSIONAL ENGINEER
TODD R. CREAMER
No. C 64561
Exp. 6/30/23
CIVIL
STATE OF CALIFORNIA

C2G /CIVIL CONSULTANTS GROUP, INC.
Engineers/Planners
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Scotts Valley, CA 95066
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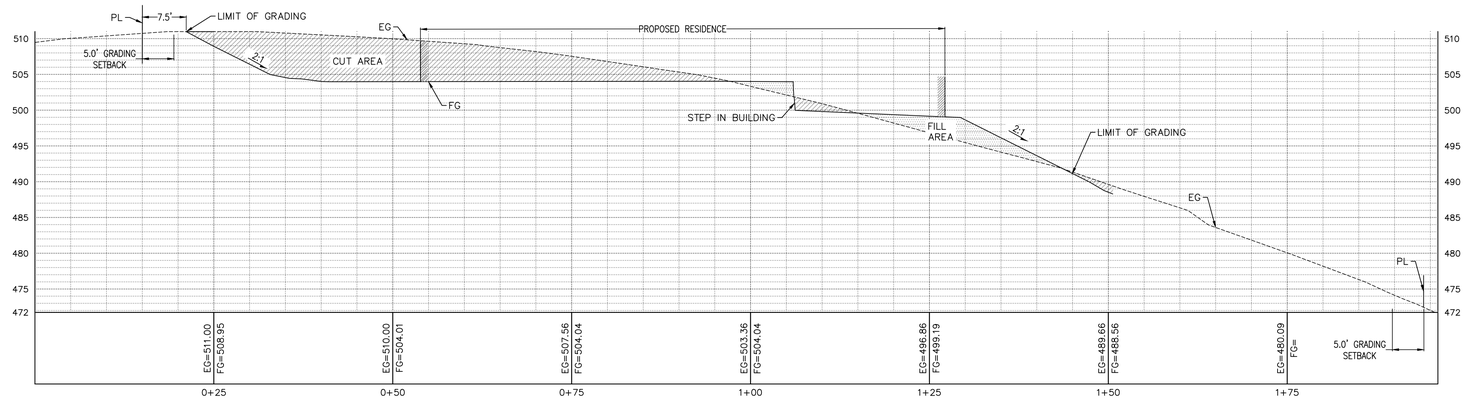
BARSANA RESIDENCE
AUGUSTE COURT
APN: 029-35-007

Date:	08/06/21
Scale:	1" = 20'
Drawn:	DD
Job:	3007.02
Sheet:	C1.2

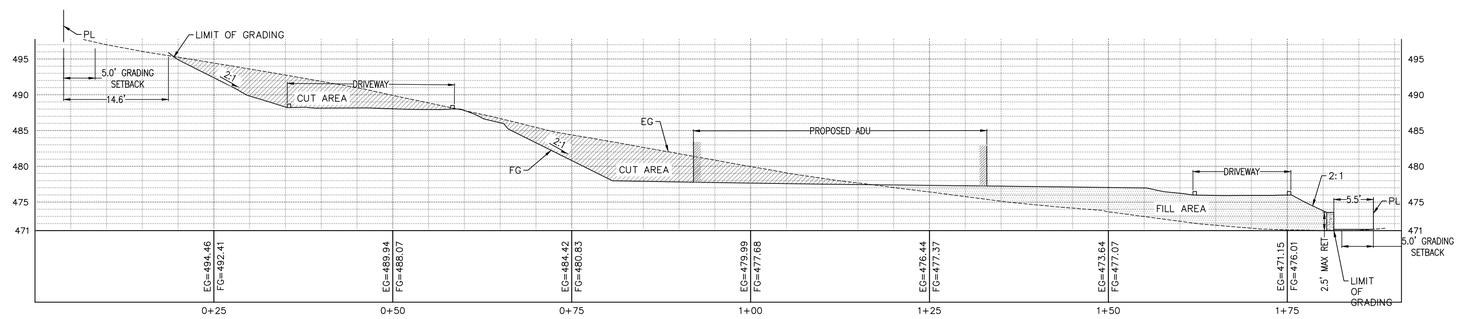
Of 20 Sheets

Drawing: Z:\Drawing\JOB\3007.02 - INF - Sandy Quarry 15 acre SFR\Design\CAD\Sheets\3007.02 - C1.2 - PROFILES, SECTIONS.dwg Layout: C1.2 Last Saved: Thu Dec 02, 2021 - 4:54pm Last Plotted: Tue Dec 21, 2021 - 8:22am By: Dave



1 MAIN HOUSE SECTION

Scale: 1:10



2 ADU HOUSE SECTION

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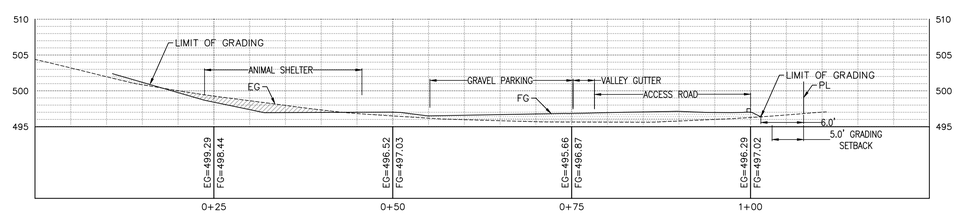

3 MAIN ROAD CROSS SECTION

Scale: 1:10

REVISIONS	BY
1 RESPONSE TO SCC COMMENTS 11/05/21	DD

CUT/FILL SECTIONS

REGISTERED PROFESSIONAL ENGINEER
TODD R. CREAMER
No. C 64561
Exp. 6/30/23
CIVIL
STATE OF CALIFORNIA

C2G /CIVIL CONSULTANTS GROUP, INC.
Engineers/Planners
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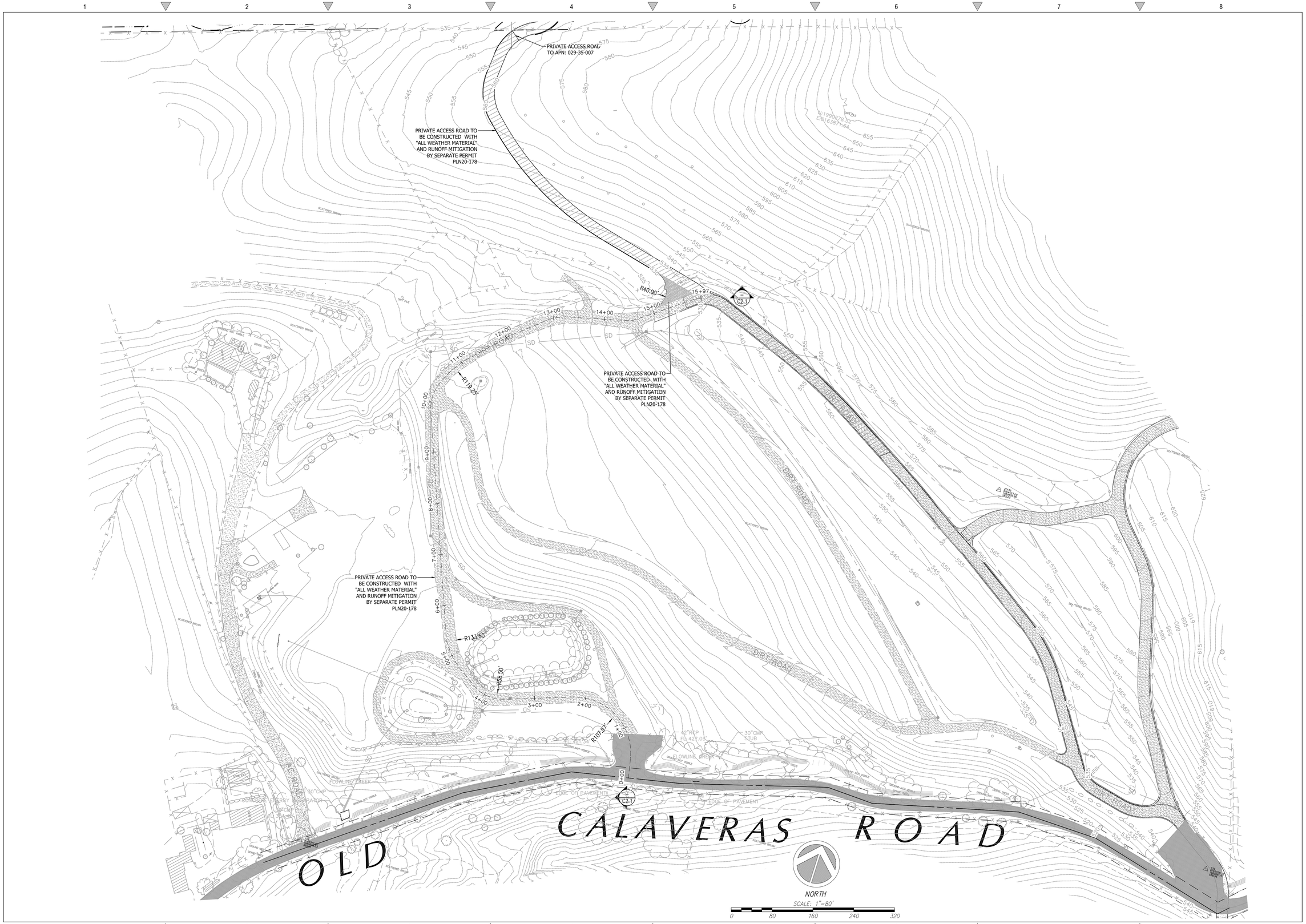
T (831) 438-4420 F (831) 438-4420

BARSANA RESIDENCE
AUGUSTE COURT
APN: 029-35-007

Date:	08/06/21
Scale:	AS SHOWN
Drawn:	DD
Job:	3007.02
Sheet:	C1.3

Of 20 Sheets

Drawing: Z:\Shared\CAD\3007.02 - INF - Sand Quarry 75 acre SFR\Design\CAD\Sheets\3007.02 - C1.3 - SECTIONS CUTFILL.dwg Layout: C1.3 Last Saved: Thu Dec 02, 2021 - 6:03pm Last Plotted: Tue Dec 21, 2021 - 8:23am By: Dave



REVISIONS	BY
1 RESPONSE TO SCC COMMENTS 11/05/21	DD

EXISTING SITE ACCESS

REGISTERED PROFESSIONAL ENGINEER
TODD R. CREAMER
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BARSANA RESIDENCE
AUGUSTE COURT
APN: 029-35-007

Date:	08/06/21
Scale:	1" = 80'
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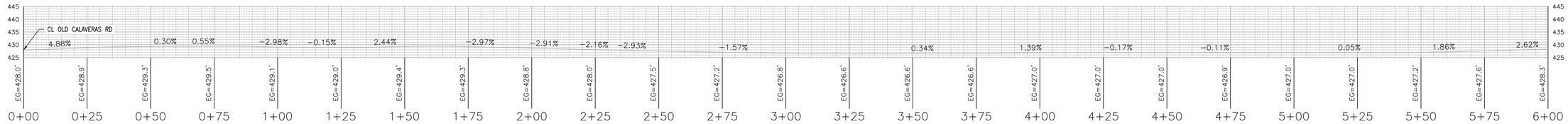
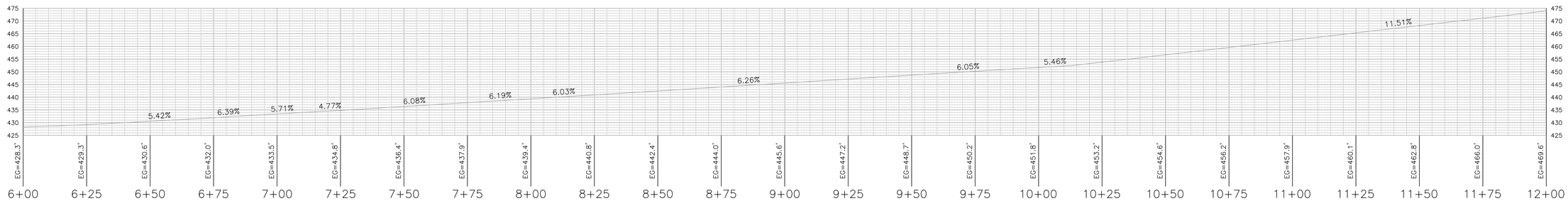


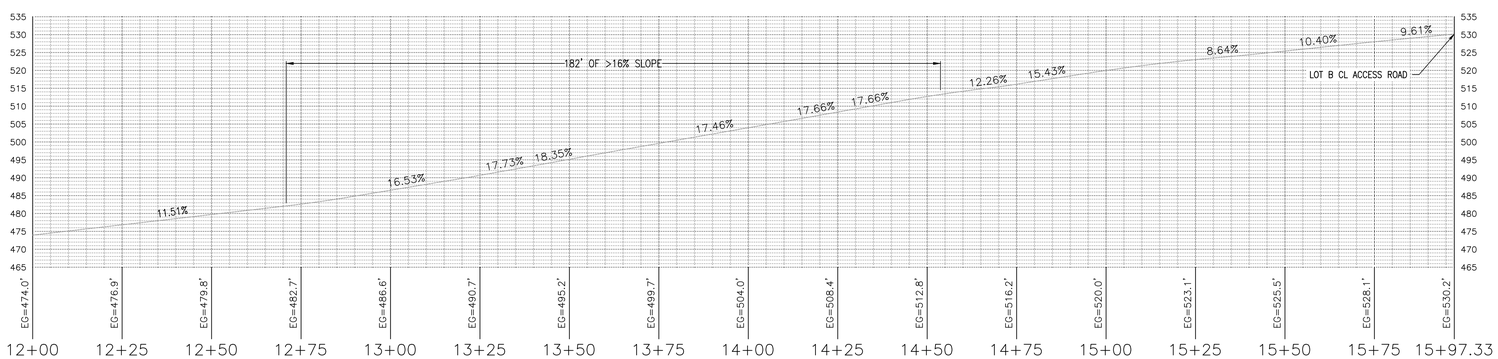
1 ACCESS ROAD PROFILE - STA. 0+00 TO 6+00

Scale: 1:20



2 ACCESS ROAD PROFILE - STA. 6+00 TO 12+00

Scale: 1:20



3 ACCESS ROAD PROFILE - STA. 12+00 TO 15+97.33

Scale: 1:20

REVISIONS	BY
1 RESPONSE TO SCC COMMENTS 11/05/21	DD

PROFILES/SECTIONS

REGISTERED PROFESSIONAL ENGINEER
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Date:	08/06/21
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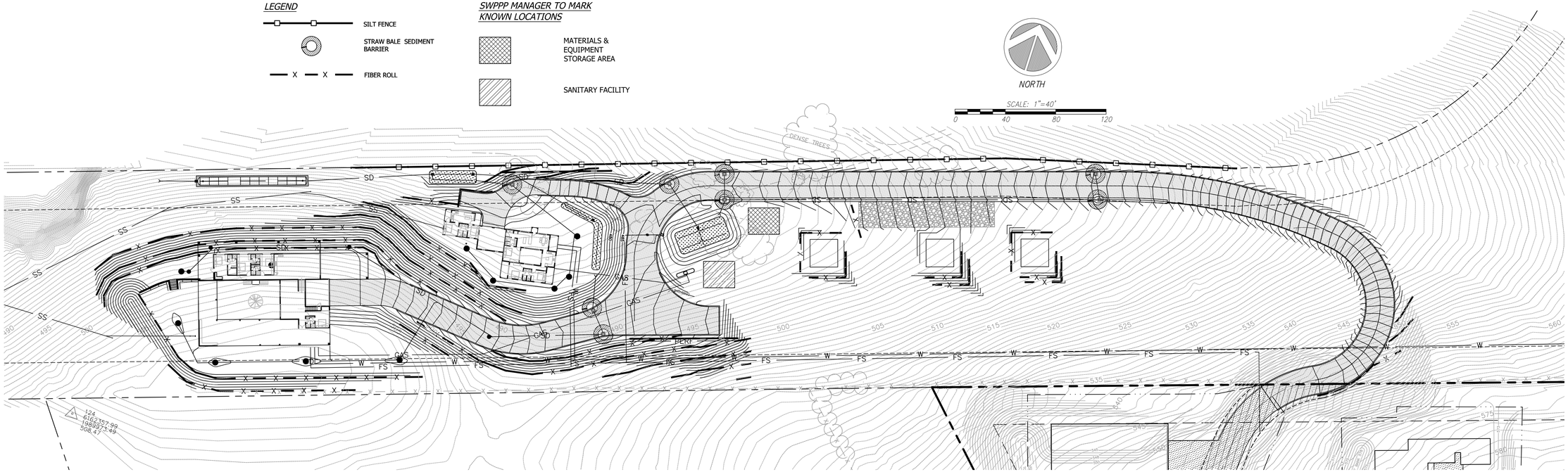
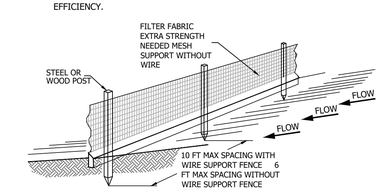
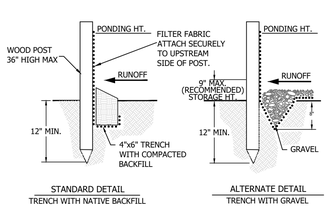


NOTE:

1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED AT AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE REPLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.





CONSTRUCTION SPECIFICATIONS

THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES. STORAGE HEIGHT SHALL NEVER EXCEED 18". THE FENCE LINE SHALL FOLLOW THE CONTOUR AS CLOSELY AS POSSIBLE.

IF POSSIBLE, THE FILTER FABRIC SHALL BE CUT FROM A CONTINUOUS ROLL TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP AND BOTH ENDS SECURELY FASTENED TO THE POST.

POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 12 INCHES). WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET. TURN THE ENDS OF THE FENCE UPHILL.

A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES WIDE AND 6 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.

WHEN STANDARD-STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE.

THE STANDARD-STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 6 INCHES OF THE FABRIC SHALL EXTEND INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.

WHEN EXTRA-STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS.

THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE TOE OF THE FILTER FABRIC.

SILT FENCES PLACED AT THE TOE OF A SLOPE SHALL BE SET AT LEAST 6 FEET FROM THE TOE IN ORDER TO INCREASE PONDING VOLUME.

SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED, AND ANY SEDIMENT STORED BEHIND THE SILT FENCE HAS BEEN REMOVED.

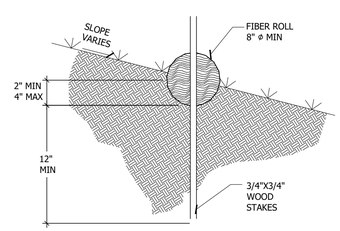
INSPECTION AND MAINTENANCE

SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED WEEKLY AND AFTER EACH SIGNIFICANT STORM (1" IN 24 HR.). ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/3 HEIGHT OF THE FENCE OR 9 INCHES MAXIMUM.

THE REMOVED SEDIMENT SHALL VEGETATE OR OTHERWISE STABILIZED.

1 SILT FENCE

Scale: NTS



CONSTRUCTION SPECIFICATIONS

LOCATE FIBER ROLLS ON LEVEL CONTOURS SPACED AS FOLLOWS:

- SLOPE INCLINATION OF 4 :1 (H:V) OR FLATTER: FIBER ROLLS SHOULD BE PLACED AT A MAXIMUM INTERVAL OF 20 FT.

- SLOPE INCLINATION BETWEEN 4:1 AND 2:1 (H:V) FIBER ROLLS SHOULD BE PLACED AT A MAXIMUM INTERVAL OF 15 FT. (A CLOSER SPACING IS MORE EFFECTIVE).

- SLOPE INCLINATION OF 2:1 (H:V) OR GREATER: FIBER ROLLS SHOULD BE PLACED AT A MAXIMUM INTERVAL OF 10 FT. (A CLOSER SPACING IS MORE EFFECTIVE).

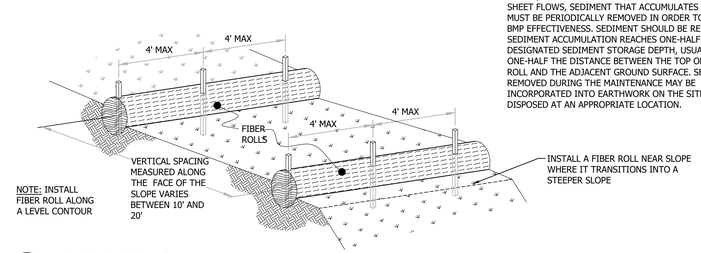
- TURN THE ENDS OF THE FIBER ROLL UP SLOPE TO PREVENT RUNOFF FROM GOING AROUND THE ROLL. STAKE FIBER ROLLS INTO A 2 TO 4 IN. DEEP TRENCH WITH A WIDTH EQUAL TO THE DIAMETER OF THE FIBER ROLL.

- DRIVE STAKES AT THE END OF EACH FIBER ROLL AND SPACED 4 FT MAXIMUM ON CENTER.

- USE WOOD STAKES WITH A NOMINAL CLASSIFICATION OF 0.75 BY 0.75 IN. AND A MINIMUM LENGTH OF 24 IN.

- IF MORE THAN ONE FIBER ROLL IS PLACED IN A ROW, THE ROLLS SHOULD BE OVERLAPPED, NOT ABUTTED. REPAIR OR REPLACE SPLIT, TORN, UNRAVELING OR SLUMPING FIBER ROLLS.

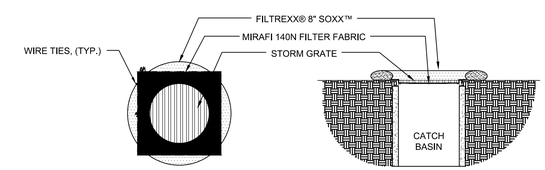
IF THE FIBER ROLL IS USED AS A SEDIMENT CAPTURE DEVICE, OR AS AN EROSION CONTROL DEVICE TO MAINTAIN SHEET FLOWS, SEDIMENT THAT ACCUMULATES IN THE BMP MUST BE PERIODICALLY REMOVED IN ORDER TO MAINTAIN BMP EFFECTIVENESS. SEDIMENT SHOULD BE REMOVED WHEN SEDIMENT ACCUMULATION REACHES ONE-HALF THE DESIGNATED SEDIMENT STORAGE DEPTH, USUALLY ONE-HALF THE DISTANCE BETWEEN THE TOP OF THE FIBER ROLL AND THE ADJACENT GROUND SURFACE. SEDIMENT REMOVED DURING THE MAINTENANCE MAY BE INCORPORATED INTO EARTHWORK ON THE SITE OR DISPOSED AT AN APPROPRIATE LOCATION.



NOTE: INSTALL FIBER ROLL ALONG A LEVEL CONTOUR

2 FIBER ROLLS

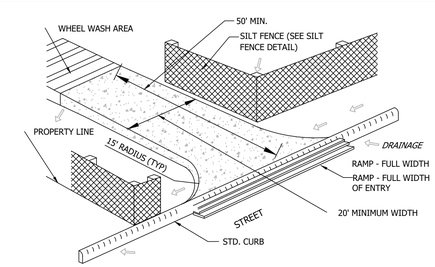
Scale: NTS



NOTES:
1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
2. FILTER MEDIA™ FILL TO MEET APPLICATION REQUIREMENTS.
3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.
4. CONTRACTOR SHALL EXTEND MIRAFI 140N FABRIC 6" BEYOND CATCH BASIN AFTER PLACEMENT OF GRATE
5. CONTRACTOR SHALL REMOVE ALL FILTER FABRIC FROM ALL STORM DRAIN INLETS UPON COMPLETION OF PROJECT

4 FILTREX® INLET PROTECTION

Scale: NTS



3 ROCKED CONSTRUCTION ENTRANCE

Scale: NTS

REVISIONS	BY
1 RESPONSE TO SCC COMMENTS 11/05/21	DD

EROSION CONTROL

REGISTERED PROFESSIONAL ENGINEER
TODD R. CREAMER
No. C 64561
Exp. 6/30/23
CIVIL
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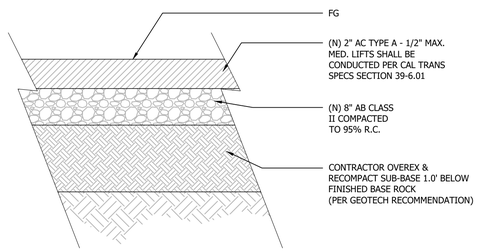
BARSANA RESIDENCE
AUGUSTE COURT
APN: 029-35-007

Date:	08/06/21
Scale:	1" = 40'
Drawn:	DD
Job:	3007.02
Sheet:	C3.1
	Of 20 Sheets

Drawing: Z:\Shared\CAD\3007.02 - Hff - Sarga Quarry 15 acre SFH\Design\CAD\Sheets\3007.02 - C3.1 - EROSION CONTROL.dwg Layout: C3.1 Last Saved: Tue Dec 21, 2021 - 8:18am Last Plotted: Tue Dec 21, 2021 - 8:24am By: Dave



1 STANDARD ASPHALT PAVEMENT SECTION

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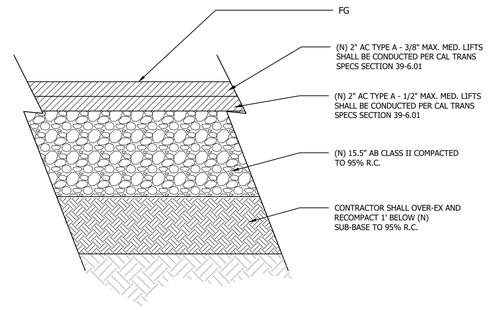
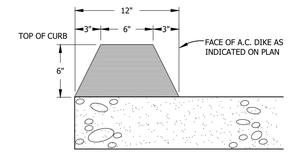


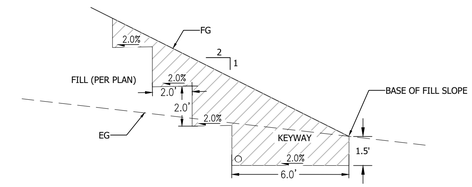
2 ACCESS ROAD - AC PAVEMENT SECTION

Scale: NTS



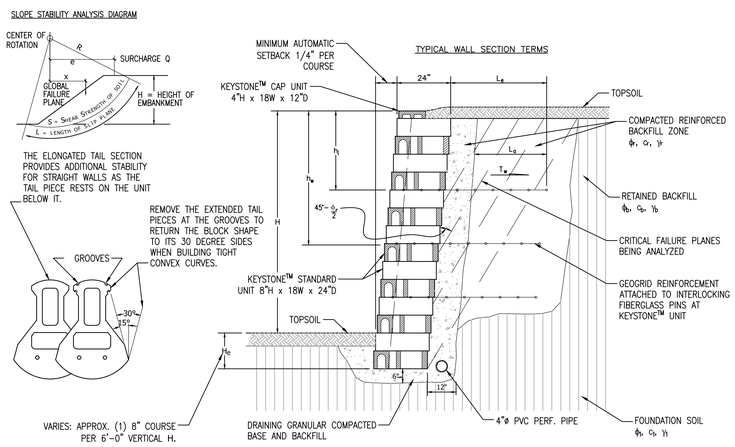
3 AC DIKE

Scale: NTS



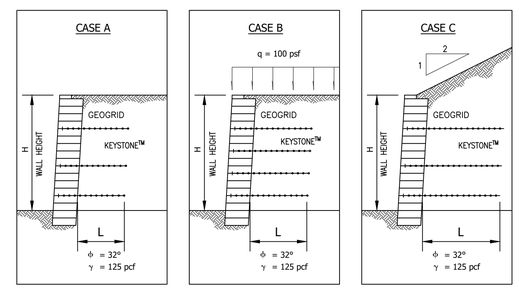
4 KEYWAY @ FILL SLOPES (GREATER THAN 20%)

Scale: NTS



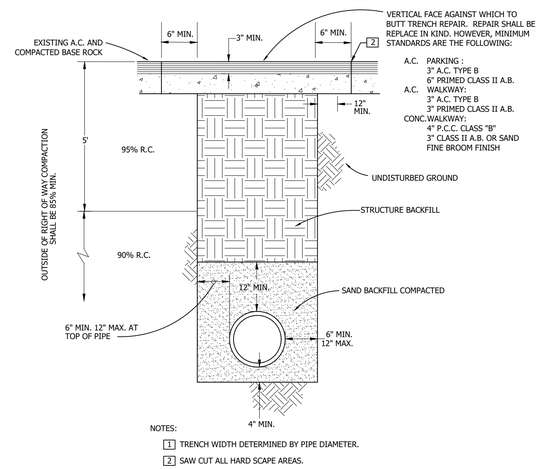
BASIC GEOGRID PLACEMENT CHART *

WALL HEIGHT FEET	CASE	GRID TYPE *	NUMBER OF LAYERS	GEOGRID LENGTH FEET	GEOGRID LAYER NUMBER 1	2	3	4	5	DISTANCE ABOVE BASE IN FEET
4	A		-							
4	B		-							
4	C		1	2.5	1.5					
5	A		-							
5	B		1	2.5	2					
5	C		2	3.7	1.3	3.3				
6	A		1	2.5	2.7					
6	B		2	2.5	1.3	3.3				
6	C		3	4.3	.7	2	4			
7	A		2	3.0	1.3	4.0				
7	B		3	3.0	1.3	2.7	4.7			
7	C		3	4.9	1.3	2.7	4.7			
8	A		3	3.2	1.3	3.3	5.3			
8	B		4	3.5	.7	2.7	4.7	6.7		
8	C		3	5.8	1.3	3.3	5.3			
10	A		3	4.3	1.3	4	6.7			
10	B		4	4.6	1.3	3.3	5.3	7.3		
10	C		3	7.0	1.3	4.0	6.7			



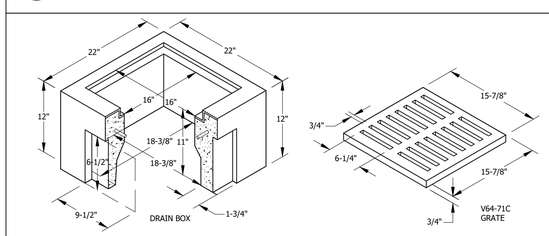
5 KEYSTONE BLOCK RETAINING WALL

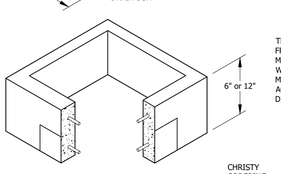
Scale: NTS



6 TRENCH INSTALLATION DETAIL

Scale: NTS





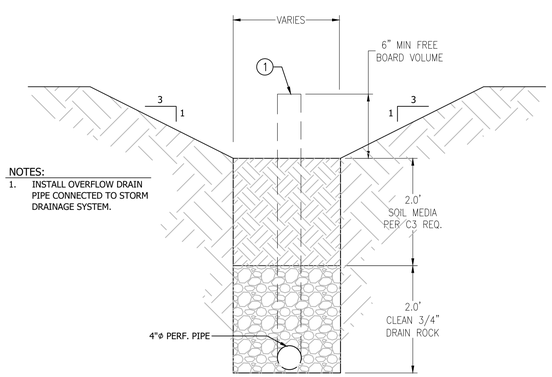
THIS CONCRETE DRAIN BOX HAS A CAST-IN GALVANIZED FRAME AND IS SPECIFICALLY ENGINEERED FOR DRAINAGE IN MEDIUM AREAS SUCH AS PARKING LOTS, SCHOOL GROUNDS, WALKWAYS, ETC. ITS DESIGN PERMITS FINAL GRADING MATERIAL TO "LOCK IN" & FINISH CLEAN. KNOCK-OUTS ACCOMMODATE UP TO 8" O.D. PIPE. APPROXIMATE DIMENSIONS SHOWN.

CHRISTY ORDERING

CODE	ITEM	DESCRIPTION
V64BOX	Drain Box	V64 Drain Box (18-3/8"x 18-3/8")-12 per pallet
V64-71C	Grate	Square, Cast Iron
V64X6	Extension	6" Reinforced Concrete - 24 per pallet
V64X12	Extension	12" Reinforced Concrete - 12 per pallet

7 V64 STORM DRAIN INLET

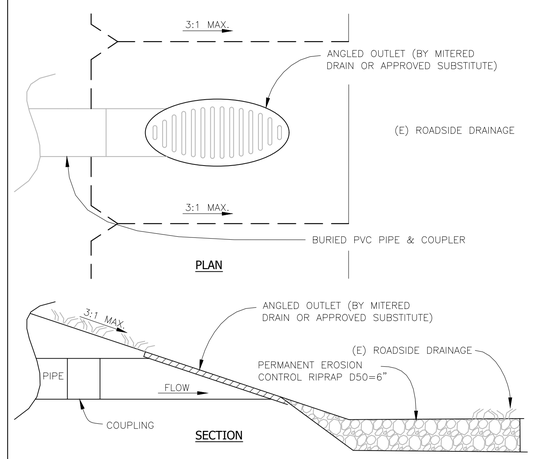
Scale: NTS



NOTES:
1. INSTALL OVERFLOW DRAIN PIPE CONNECTED TO STORM DRAINAGE SYSTEM.

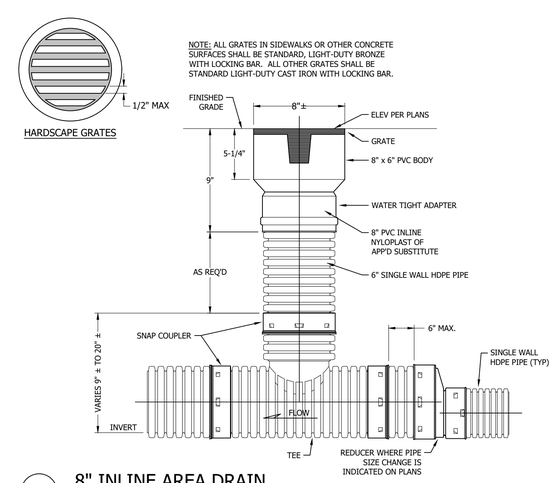
8 PRINSCO CHAMBER SECTION

Scale: NTS



9 MITERED OUTLET

Scale: NTS



10 8" INLINE AREA DRAIN

Scale: NTS

REVISIONS	BY
1 RESPONSE TO SCC COMMENTS 11/05/21	DD

DETAILS

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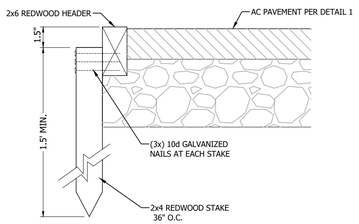
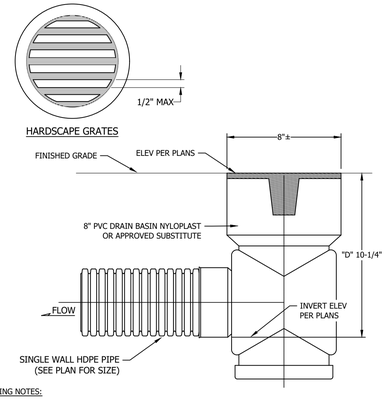


1 REDWOOD HEADER

Scale: NTS

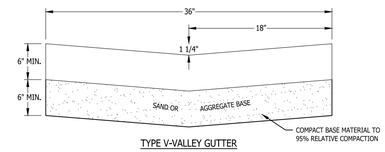


GRATING NOTES:

1. ALL GRATES IN SIDEWALKS, PATIOS, OR OTHER CONCRETE FLATWORK OR SIMILAR PAVED AREAS SHALL BE STANDARD LIGHT-DUTY BRONZE WITH LOCKING BAR.
2. ALL GRATES IN TREE WELLS AND AREAS PLANTED WITH GROUND COVER SHALL BE LIGHT-DUTY DOME-TYPE CAST IRON WITH LOCKING BAR.
3. ALL OTHER GRATES, INCLUDING THOSE IN TURFED AREAS SHALL BE STANDARD LIGHT-DUTY CAST IRON WITH LOCKING BAR.
4. REFER TO LANDSCAPE PLANS FOR SPECIFIC LOCATIONS.

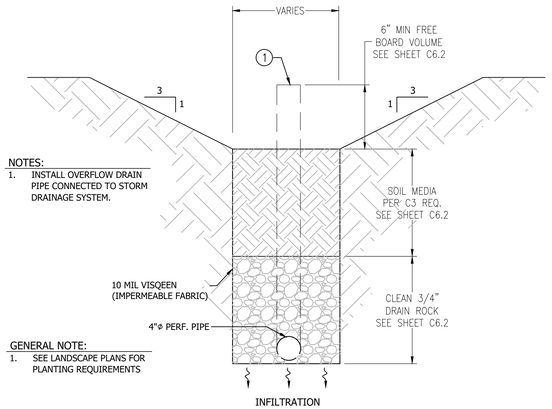
2 8" TERMINAL AREA DRAIN

Scale: NTS



3 CONCRETE VALLEY GUTTER

Scale: NTS



NOTES:

1. INSTALL OVERFLOW DRAIN PIPE CONNECTED TO STORM DRAINAGE SYSTEM.

GENERAL NOTE:

1. SEE LANDSCAPE PLANS FOR PLANTING REQUIREMENTS

4 BIORETENTION SECTION

Scale: NTS

6 NOT USED

Scale: NTS

REVISIONS	BY
1 RESPONSE TO SCC COMMENTS 11/05/21	DD

DETAILS

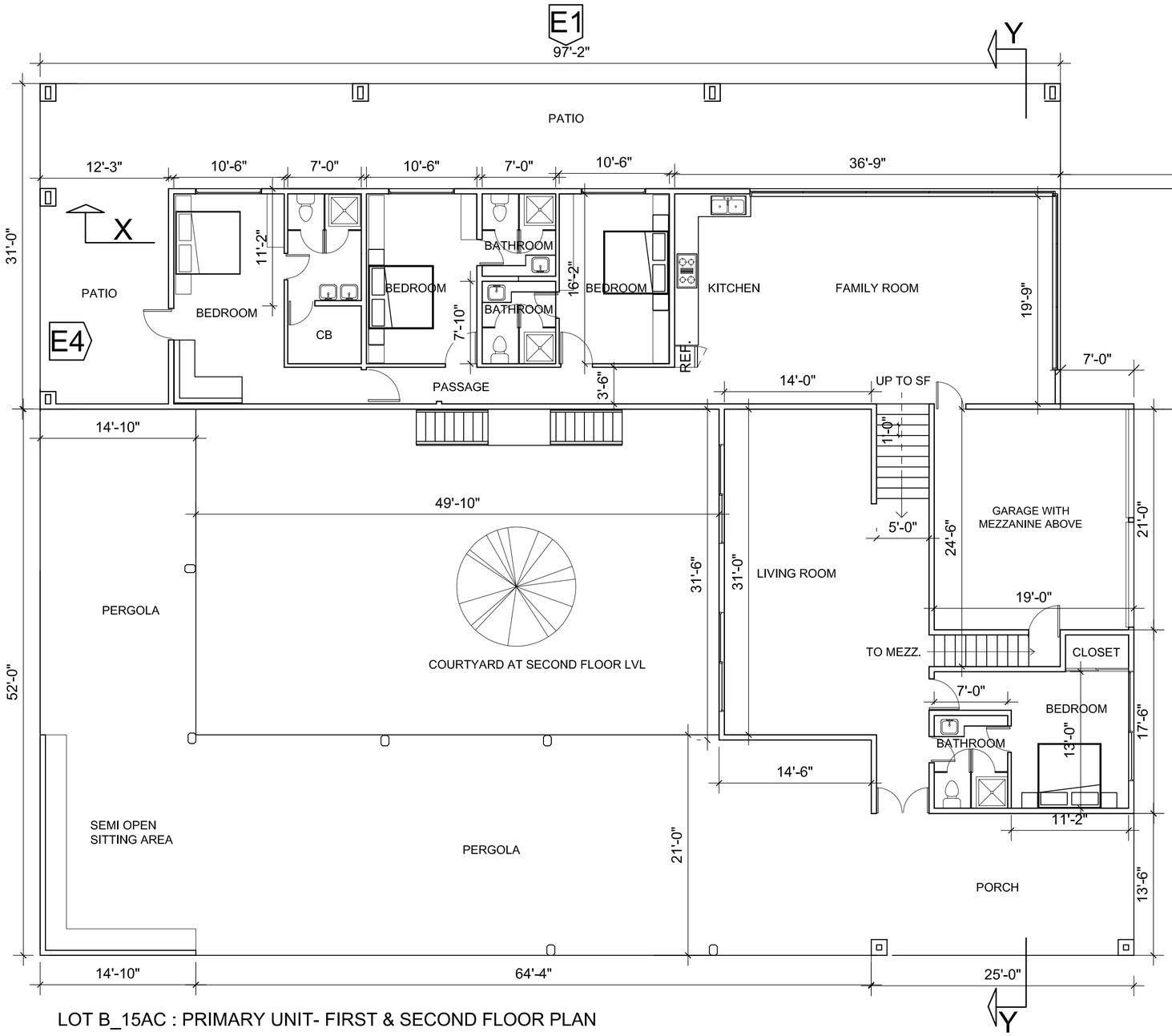
REGISTERED PROFESSIONAL ENGINEER
TODD R. CREAMER
No. C 64561
Exp. 6/30/23
CIVIL
STATE OF CALIFORNIA

C2G /CIVIL CONSULTANTS GROUP, INC.
Engineers/Planners
4444 Scotts Valley Drive / Suite 6
Scotts Valley, CA 95066
T (831) 438-4420 F (831) 438-4420

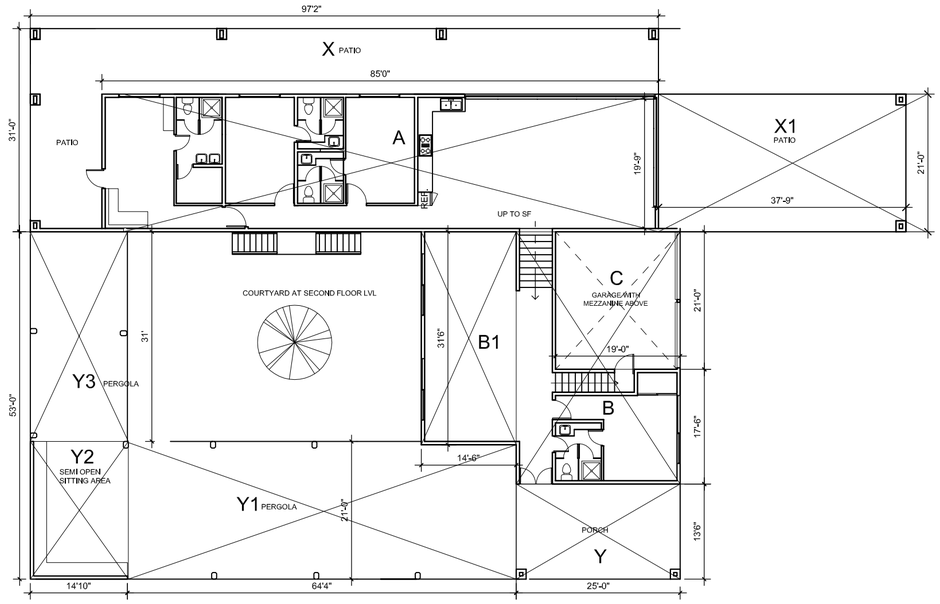
BARSANA RESIDENCE
AUGUSTE COURT
APN: 029-35-007

Date:	08/06/21
Scale:	NTS
Drawn:	DD
Job:	3007.02
Sheet:	C4.2
	Of 20 Sheets

Drawing: Z:\Shared\CAD\3007.02 - Hff - Sergio Quarry 75 acre SFH\Design\CAD\Sheets\3007.02 - C4.2 - DETAILS.dwg Layout: C4.2 Last Saved: Thu, Oct 28, 2021 - 5:13pm Last Plotted: Tue Dec 21, 2021 - 8:25am By: Dave



LOT B_15AC : PRIMARY UNIT- FIRST & SECOND FLOOR PLAN



LOT B_15AC : PRIMARY UNIT- AREA DIAGRAM

E3

COVERED AREA CALCULATIONS		
ID	SIZE	Area (SQFT)
A	85'0" x 21'0"	1785
B	25'0" x 38'6"- (C)	563.5
B1	14'6" x 31'6"	456.75
	TOTAL UNIT AREA ON FF+SF=	2805.25 SQFT

COVERED & PARTIALLY ENCLOSED AREA CALCULATIONS			
ID		size	Area (SQFT)
X	FF	97'2" x 31'0" - (AREA_A)	1227.17
X1	FF	37' 9"x 21'0"	792.75
Y	SF	25'0"x13'6"	337.50
Y1	SF	64'4" x 21'0"	1350.99
Y2	SF	14'10" x 21'0"	311.49
Y3	SF	14'10" x 31'0"	459.83
		TOTAL	4479.73 SQFT

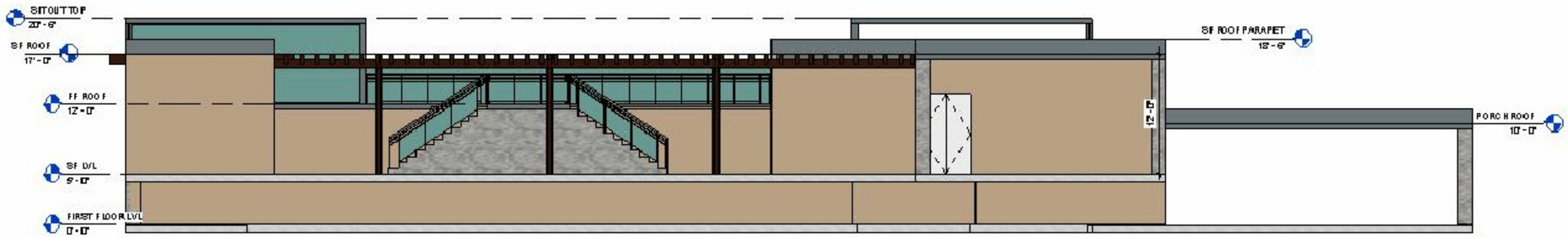
C	FF	GARAGE AREA= 21'0" x 19'0"	399.00 SQFT
D	FF	MEZZANINE AREA= 21'0" x 19'0"	399.00 SQFT

8' 4' 0 8' 16' 24'
6' 2' 0 4' 12' 20'

BARSANA 1 AUGUSTE CT, MILPITAS,CA 95035	AJAY GOYAL 748 BLUE STONE CIRCLE, FOLSOM CA 95630 | 916-294 - 5337	DRAWN BY : NEHA	DATE: 07-02- 2021 SCALE: 1:100	LOCATION: APN 029-35-007	SUBJECT: **LOT- 15 ACRE :PRIMARY UNIT** FLOOR PLAN , AREA CALCULATION	DRAWING NO. : P01

ELEVATION E1

ELEVATION E2



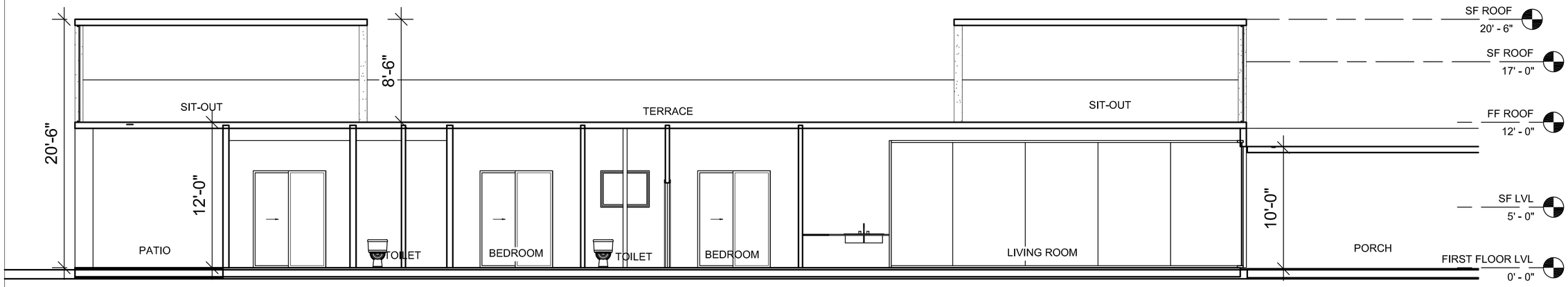
ELEVATION E3

COLOR AND MATERIAL PALETTE

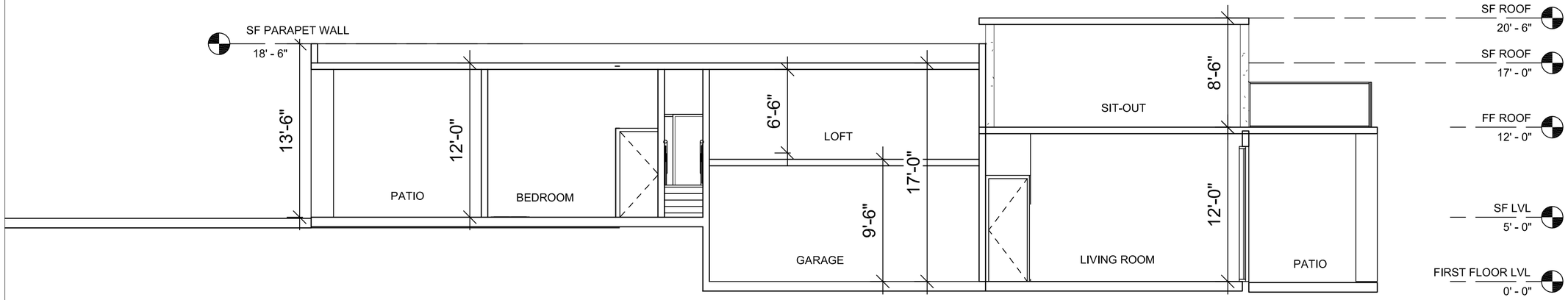
WALL CLADDING	METAL ROOFING, GUTTER, EAVES	ENTRANCE WALL	GARAGE DOOR	DOOR, WINDOW, FRAME, TRIMS
PALM DESERT TAN (LRV43.07)	WOLF GREY (LRV 19.89)	MSI ALASKA GREY (LRV 44.42)	WOOD FINISH (LRV 35.71)	WHITE (LRV 99.2)

ELEVATION E4

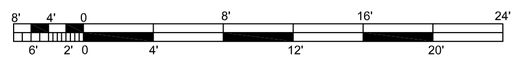
BARSANA 1 AUGUSTE CT, MILPITAS,CA 95035	AJAY GOYAL 748 BLUE STONE CIRCLE, FOLSOM CA 95630 | 916-294 - 5337	DRAWN BY : NEHA	DATE: 07-02- 2021 SCALE: 1:100	LOCATION: APN 029-35-007	SUBJECT: **LOT- 15 ACRE :PRIMARY UNIT** ELEVATIONS	DRAWING NO. : P02	P1



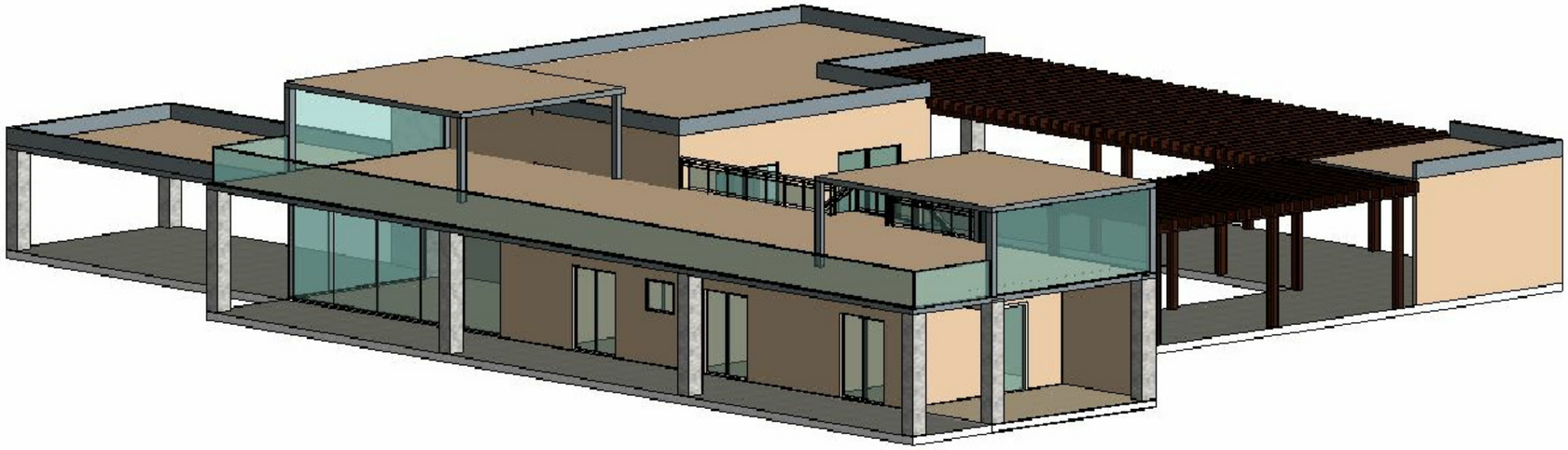
SECTION : X-X



SECTION : Y-Y

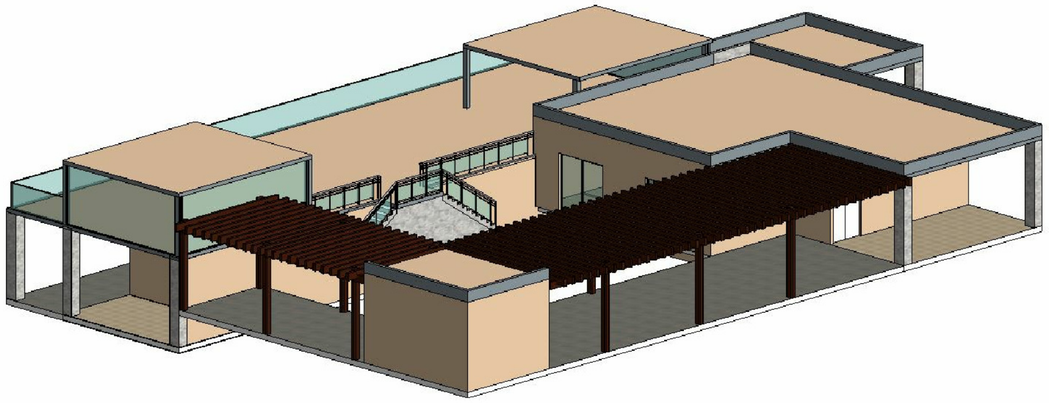


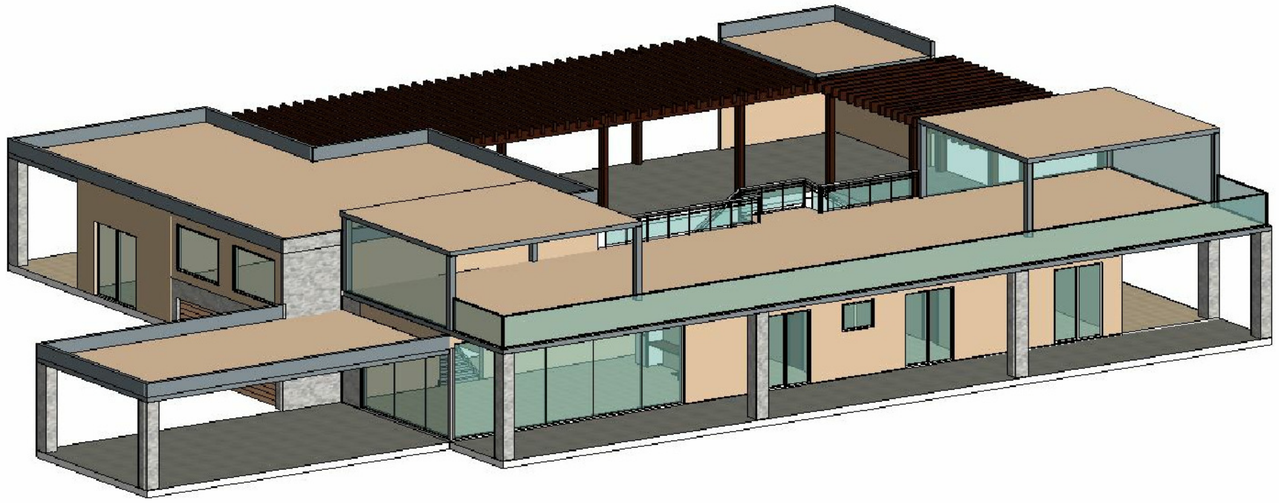
BARSANA 1 AUGUSTE CT, MILPITAS,CA 95035	AJAY GOYAL 748 BLUE STONE CIRCLE, FOLSOM CA 95630 | 916-294 - 5337	DRAWN BY : NEHA	DATE: 07-02- 2021 SCALE: 1:100	LOCATION: APN 029-35-007	SUBJECT: **LOT- 15 ACRE :PRIMARY UNIT** SECTIONS	DRAWING NO. : P03



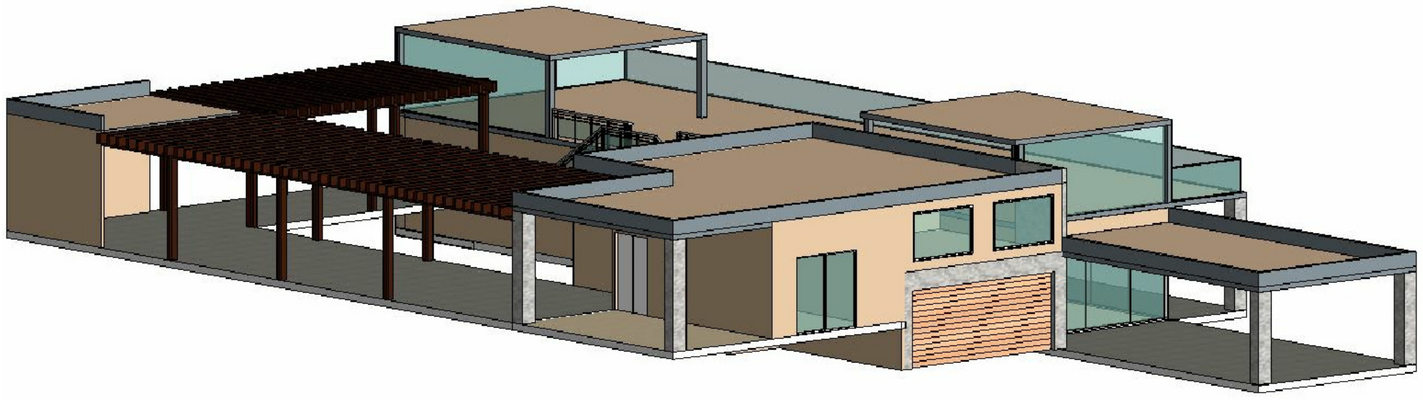
VIEW E1

VIEW E4



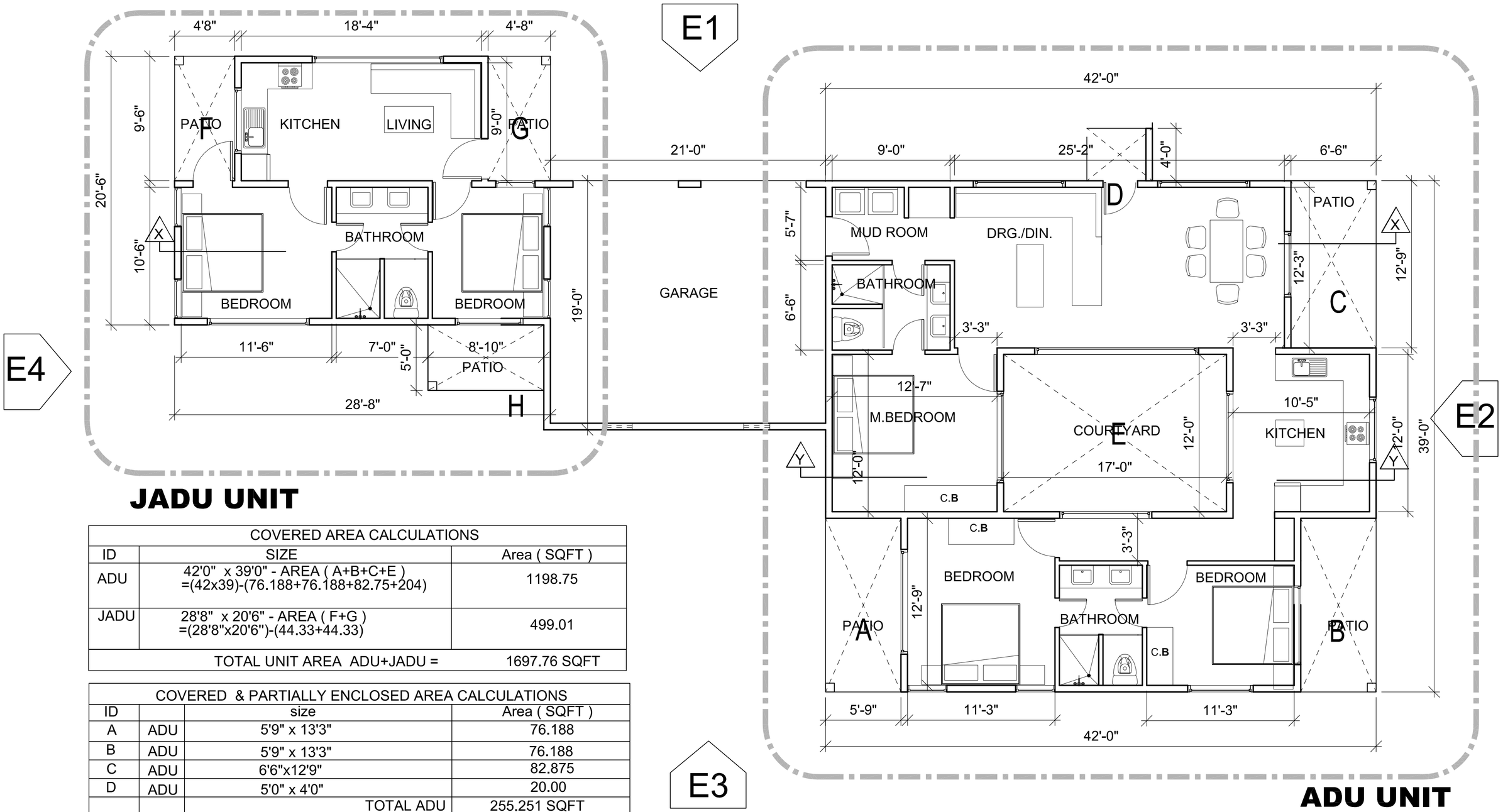


VIEW E3



VIEW E2

BARSANA 1 AUGUSTE CT, MILPITAS,CA 95035	AJAY GOYAL 748 BLUE STONE CIRCLE, FOLSOM CA 95630 | 916-294 - 5337	DRAWN BY : NEHA	DATE: 07-02- 2021 SCALE: 1:100	LOCATION: APN 029-35-007	SUBJECT: **LOT- 15 ACRE :PRIMARY UNIT** VIEWS	DRAWING NO. : P04



JADU UNIT

COVERED AREA CALCULATIONS		
ID	SIZE	Area (SQFT)
ADU	42'0" x 39'0" - AREA (A+B+C+E) =(42x39)-(76.188+76.188+82.75+204)	1198.75
JADU	28'8" x 20'6" - AREA (F+G) =(28'8"x20'6")-(44.33+44.33)	499.01
TOTAL UNIT AREA ADU+JADU =		1697.76 SQFT

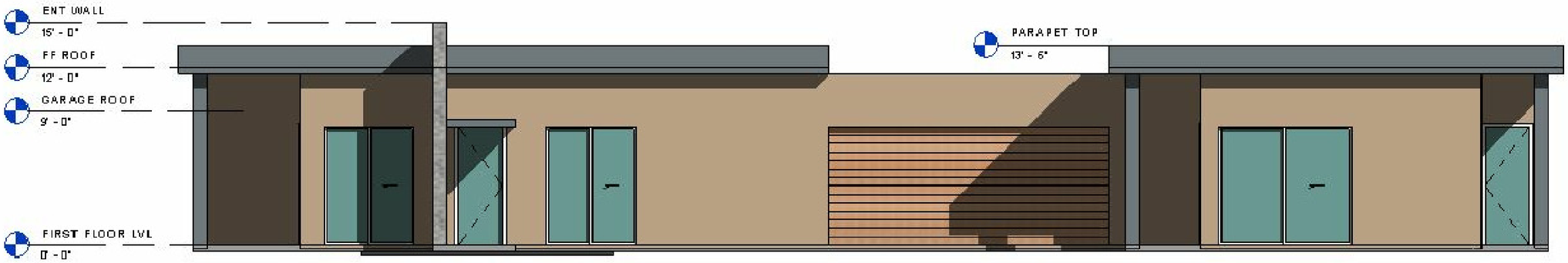
COVERED & PARTIALLY ENCLOSED AREA CALCULATIONS			
ID		size	Area (SQFT)
A	ADU	5'9" x 13'3"	76.188
B	ADU	5'9" x 13'3"	76.188
C	ADU	6'6"x12'9"	82.875
D	ADU	5'0" x 4'0"	20.00
		TOTAL ADU	255.251 SQFT
F	JADU	4'8" x 9'6"	44.33
G	JADU	4'8" x 9'6"	44.33
H	JADU	8'10"x5'0"	44.17
		TOTAL JADU	132.83 SQFT
		TOTAL ADU+JADU	388.081 SQFT

J		GARAGE AREA= 21'0" x 19'0"	399 SQFT

ADU UNIT

8' 4' 0 8' 16' 24'
6' 2' 0 4' 12' 20'

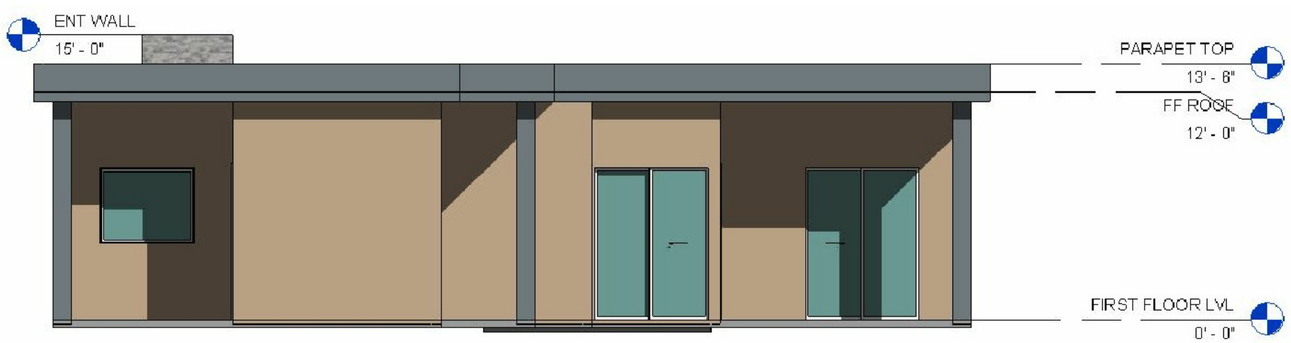
BARSANA 1 AUGUSTE CT, MILPITAS,CA 95035	AJAY GOYAL 748 BLUE STONE CIRCLE, FOLSOM CA 95630 | 916-294 - 5337	DRAWN BY : NEHA	DATE: 07-02- 2021 SCALE: 1:100	LOCATION: APN 029-35-007	SUBJECT: **LOT- 15 ACRE :ADU,JADU UNITS** FLOOR PLAN , AREA CALCULATION	DRAWING NO. : A 01

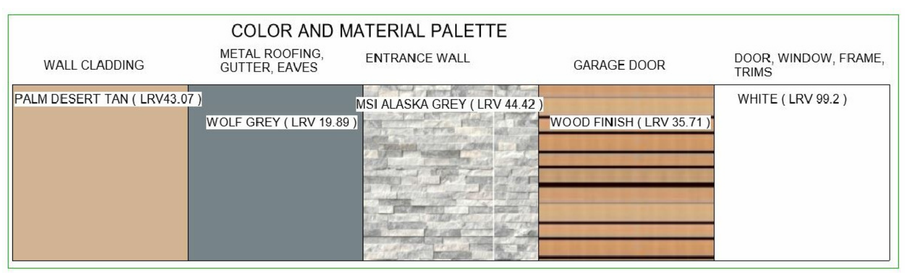


ELEVATION : E1

ELEVATION : E2

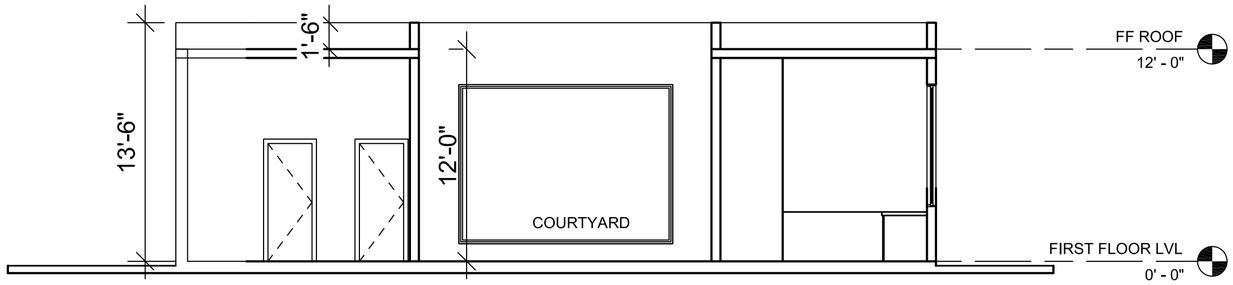
ELEVATION : E3



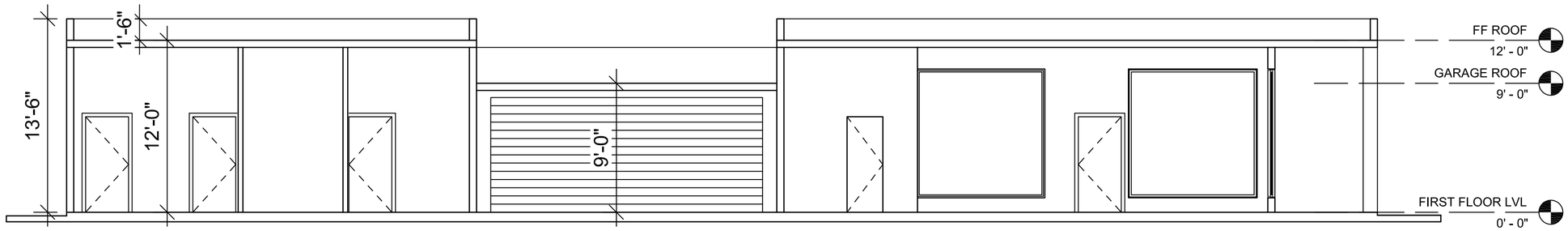


ELEVATION : E4

BARSANA 1 AUGUSTE CT, MILPITAS,CA 95035	AJAY GOYAL 748 BLUE STONE CIRCLE, FOLSOM CA 95630 | 916-294 - 5337	DRAWN BY : NEHA	DATE: 07-02- 2021 SCALE: 1:50	LOCATION: APN 029-35-007	SUBJECT: **PLOT- 15 ACRE : ADU,JADU UNIT** ELEVATIONS	DRAWING NO. : A02

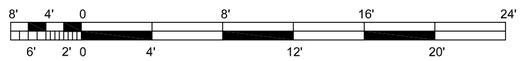


SECTION : Y-Y

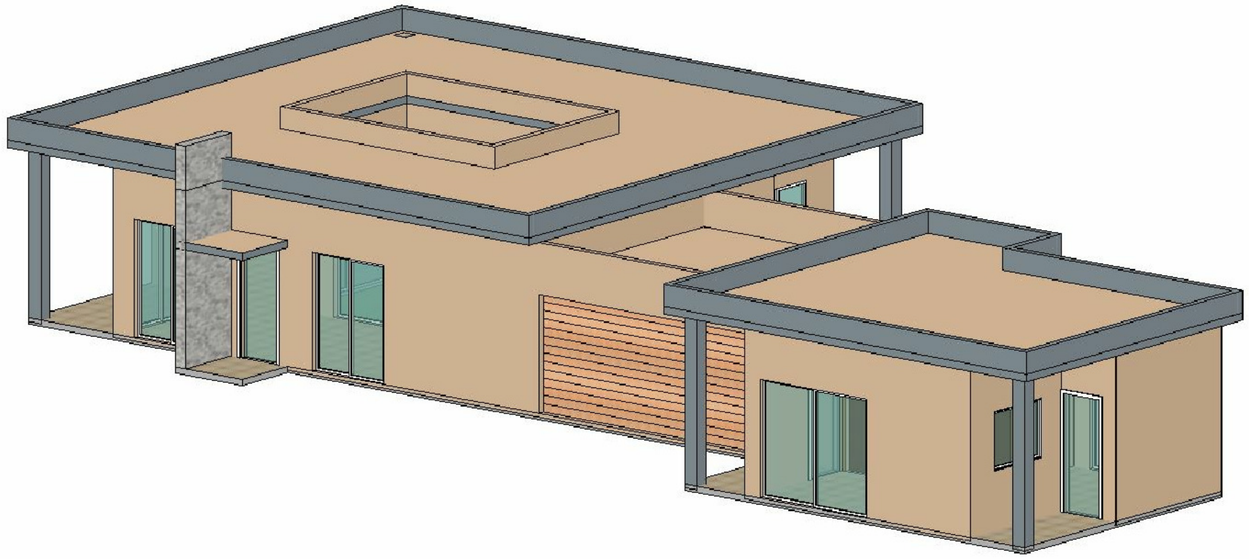


JADU UNIT **GARAGE** **ADU UNIT**

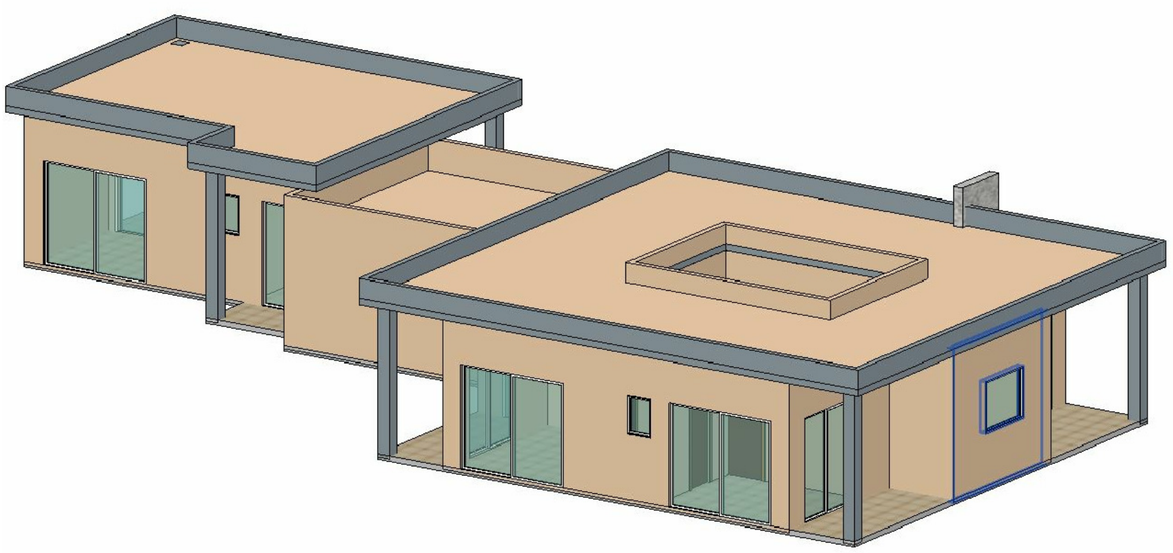
SECTION : X-X



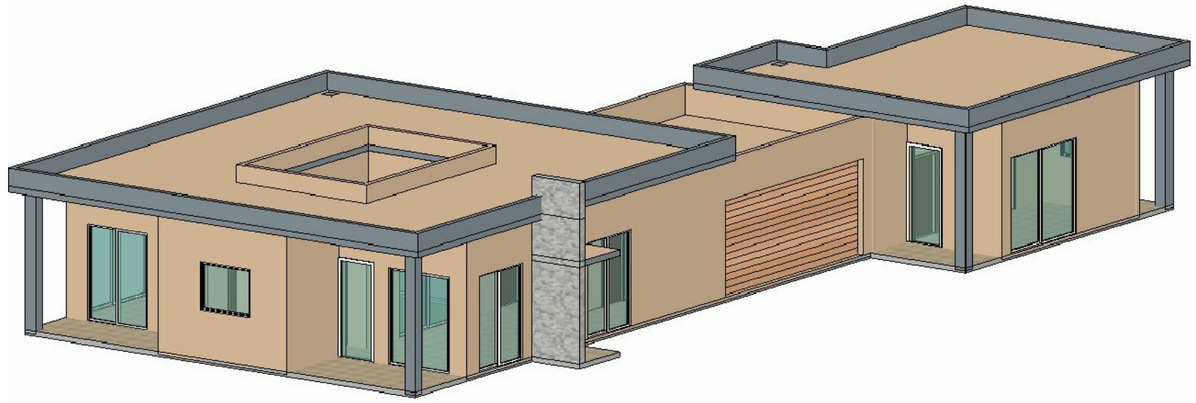
BARSANA 1 AUGUSTE CT, MILPITAS,CA 95035	AJAY GOYAL 748 BLUE STONE CIRCLE, FOLSOM CA 95630 | 916-294 - 5337	DRAWN BY : NEHA	DATE: 07-02- 2021 SCALE: 1:50	LOCATION: APN 029-35-007	SUBJECT: **PLOT-15 ACRE: ADU,JADU UNIT** SECTIONS	DRAWING NO. : A03



ADU ENTRY SIDE VIEW E1



REAR SIDE VIEW E2

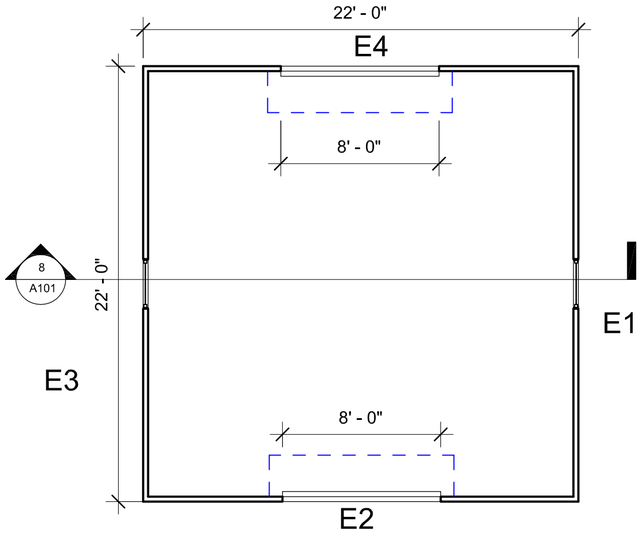


GARAGE SIDE VIEW E4

COLOR AND MATERIAL PALETTE

WALL CLADDING	METAL ROOFING, GUTTER, EAVES	ENTRANCE WALL	GARAGE DOOR	DOOR, WINDOW, FRAME, TRIMS
PALM DESERT TAN (LRV43.07)	WOLF GREY (LRV 19.89)	MSI ALASKA GREY (LRV 44.42)	WOOD FINISH (LRV 35.71)	WHITE (LRV 99.2)

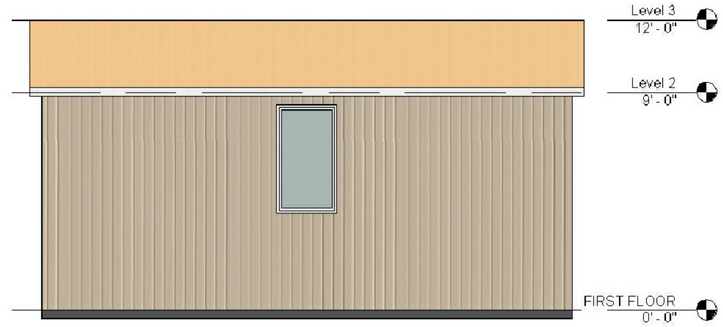
BARSANA 1 AUGUSTE CT, MILPITAS,CA 95035	AJAY GOYAL 748 BLUE STONE CIRCLE, FOLSOM CA 95630 | 916-294 - 5337	DRAWN BY : NEHA	DATE: 07-02- 2021 SCALE: 1:100, 1:200	LOCATION: APN 029-35-007	SUBJECT: **PLOT-15 ACRE: ADU,JADU UNIT** VIEWS	DRAWING NO. : A04	



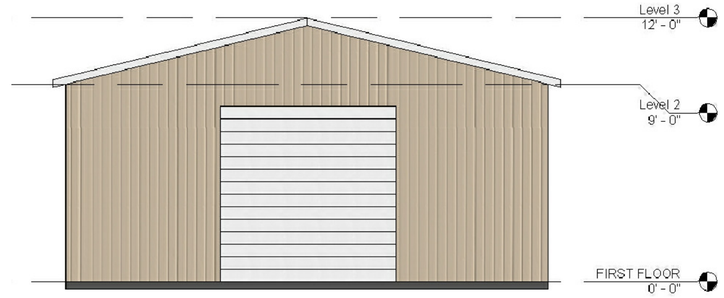
LIVE STOCK SHELTER PLAN

FLOOR AREA CALCULATIONS	
size	Area (SQFT)
22' x 22'	484

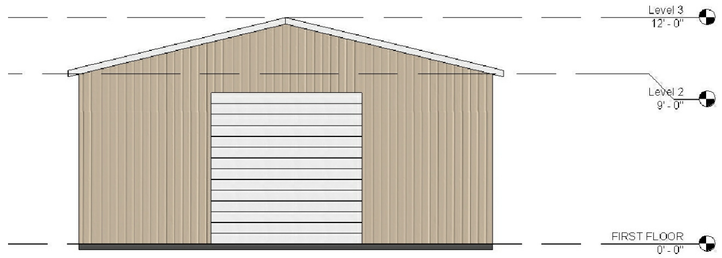
1 FIRST FLOOR
3/16" = 1'-0"



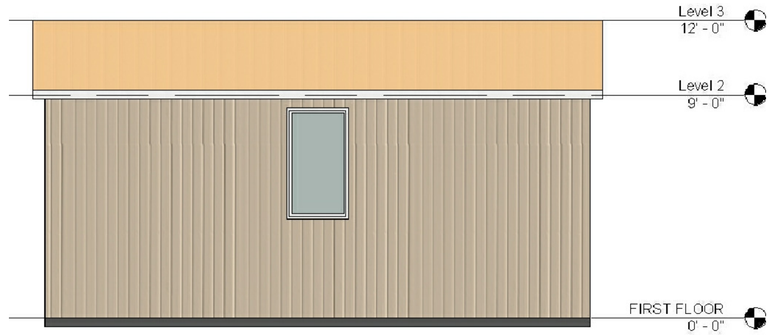
3 E1
3/16" = 1'-0"



2 E4
3/16" = 1'-0"



4 E2
3/16" = 1'-0"



5 E3
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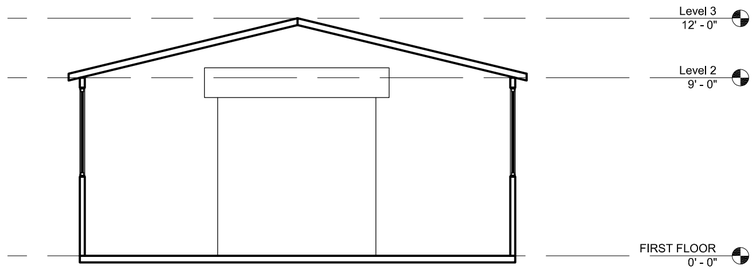
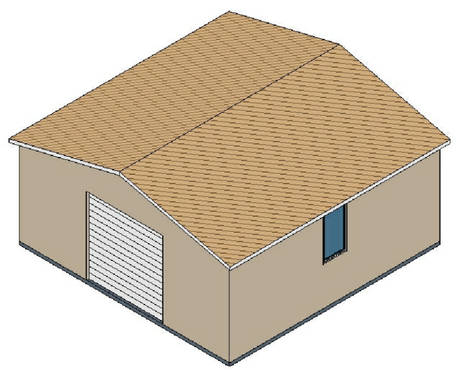
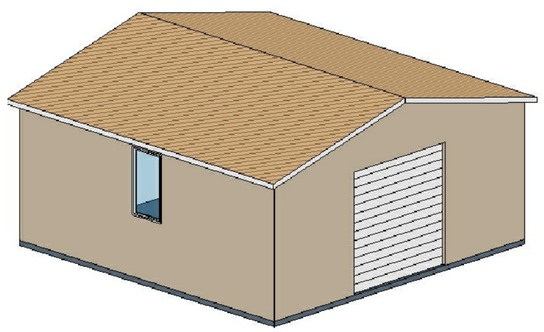


8 Section 1
3/16" = 1'-0"



6 VIEW FROM E1



7 VIEW FROM E3

COLOR AND MATERIAL PALETTE

WALL CLADDING	METAL ROOFING, GUTTER, EAVES	DOOR, WINDOW, FRAME, TRIMS
CLAY (LRV 41.57)	RAW HIDE (LRV 39.3)	WHITE (LRV 59.2)

8' 6' 4' 3' 2' 1' 0 8' 16' 24'

N

ARCHITECT:
AJAY GOYAL
748 BLUE STONE CIRCLE,
FOLSOM, CA 95630
916-294-5337

PROJECT TITLE:
LANDS OF :
BARSANA LLC, AUGUSTE COURT | APN-029-035-007
MILIPITAS , 95035

DRAWN BY: VARUN

CHECK BY:

PROJECT SCHEDULE
REVISION

COVER SHEET
L 01

SCALE= 1=8'

DATE: