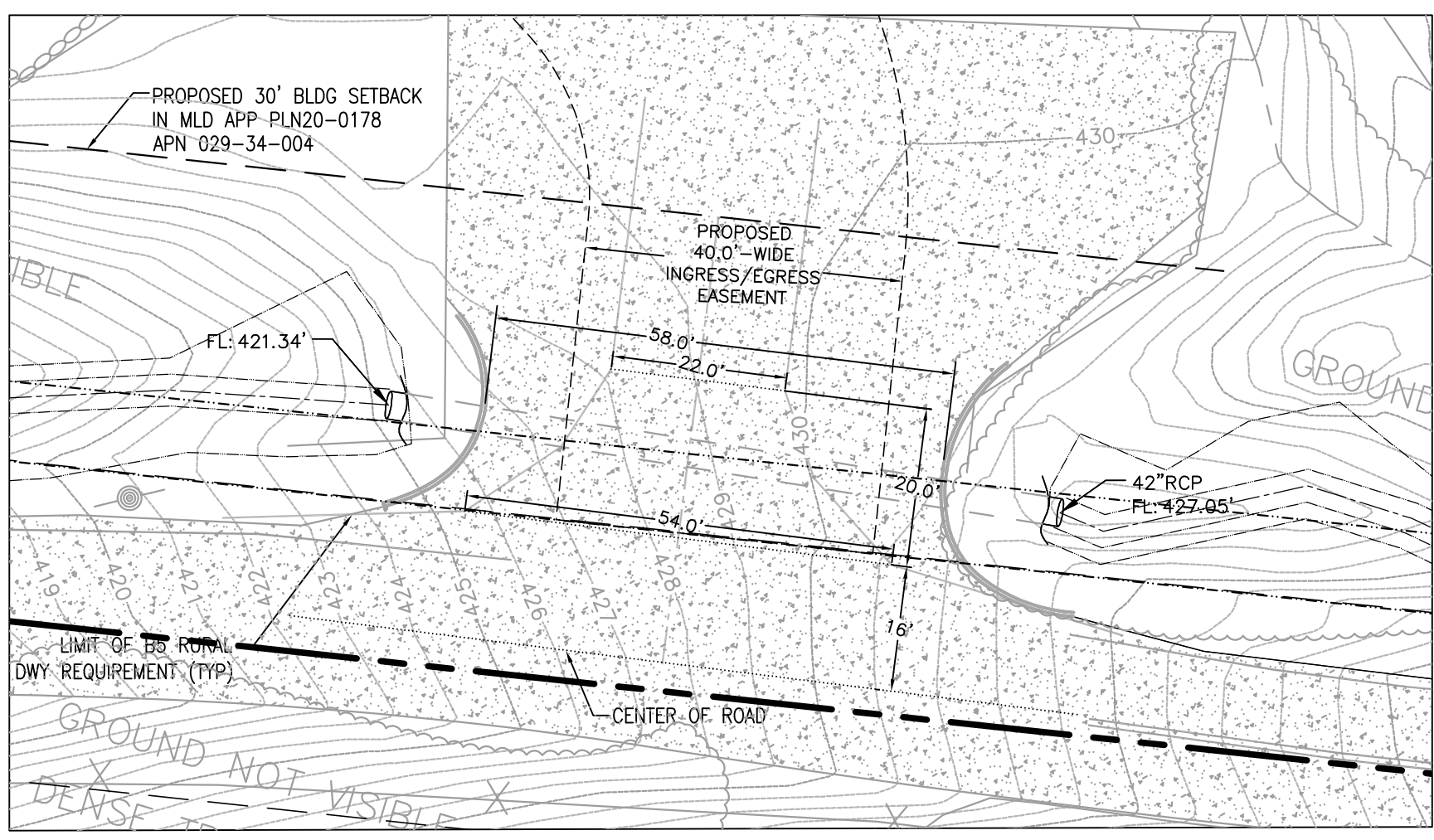


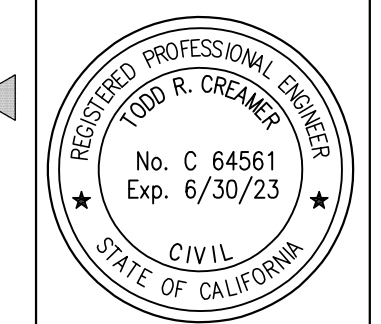
- EASEMENT LEGEND**
- BOUNDARY LINE
 - - - BUILDING SETBACK LINE
 - E1 : PROPOSED 30'-WIDE EMERGENCY VEHICLE ACCESS BENEFITING LANDS OF BARSANA
 - E2 : PRIVATE STORM DRAINAGE EASEMENT BENEFITING LANDS OF BARSANA
 - E3 : PROPOSED 40'-WIDE INGRESS / EGRESS EASEMENT & UTILITY EASEMENT BENEFITING LANDS OF BARSANA
 - E4 : PROPOSED ELECTRICAL EASEMENT BENEFITING LANDS OF BARSANA
 - E5 : PROPOSED SLOPE EASEMENT BENEFITING LANDS OF BARSANA



1 EXISTING DRIVEWAY CONFORMANCE TO B4 CITY STANDARD
Scale: 1"=20'

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

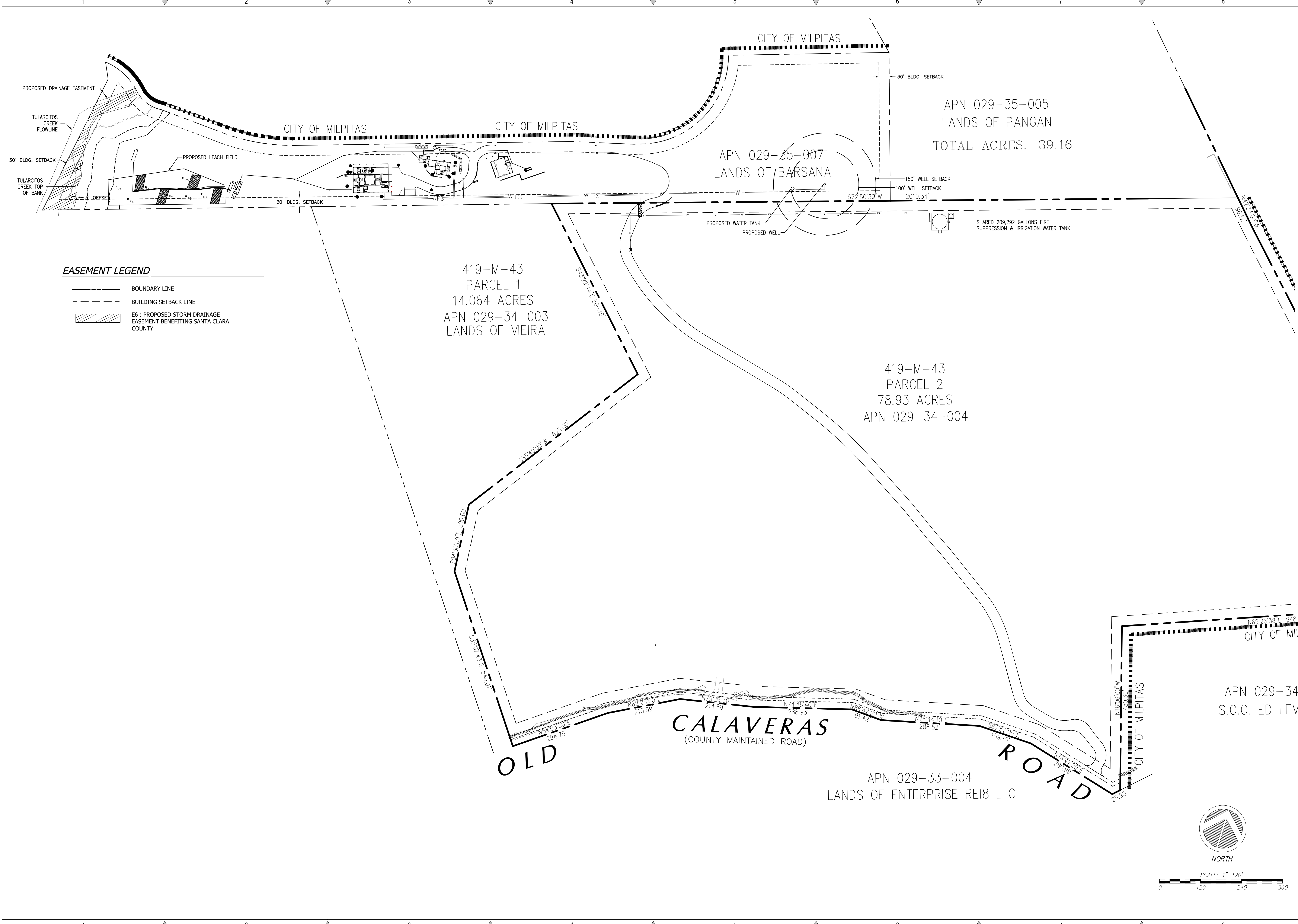
PROPOSED SITE ACCESS & EASEMENTS



C2G / CIVIL CONSULTANTS GROUP, INC.
 Engineers/Planners
 4444 Scotts Valley Drive / Suite 6
 Scotts Valley, CA 95066
 T (831) 938-4420 F (831) 938-4420
 Cell: (831) 938-4420 Fax: (831) 938-4420
 Email: todd@csccivil.com
 License: 64561 - CIVIL ENGINEER

BARSANA RESIDENCE AUGUSTE COURT APN: 029-35-007

Date:	08/06/21
Scale:	1" = 120'
Drawn:	DD
Job:	3007.02
Sheet:	C0.2
Of 31 Sheets	



EASEMENT LEGEND

	BOUNDARY LINE
	BUILDING SETBACK LINE
	E6 : PROPOSED STORM DRAINAGE EASEMENT BENEFITING SANTA CLARA COUNTY

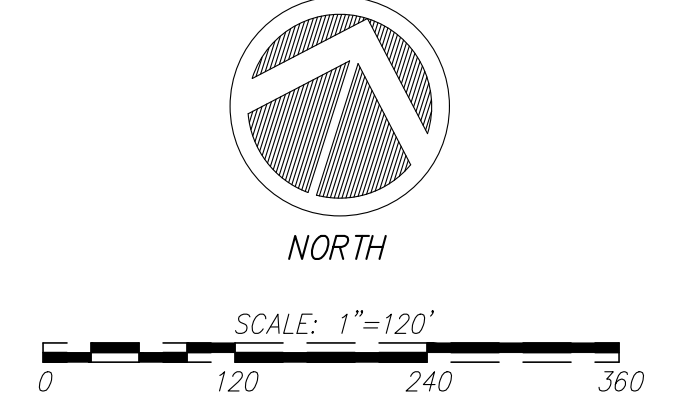
REVISIONS	BY
1 RESPONSE TO SCC COMMENTS 11/05/21	DD

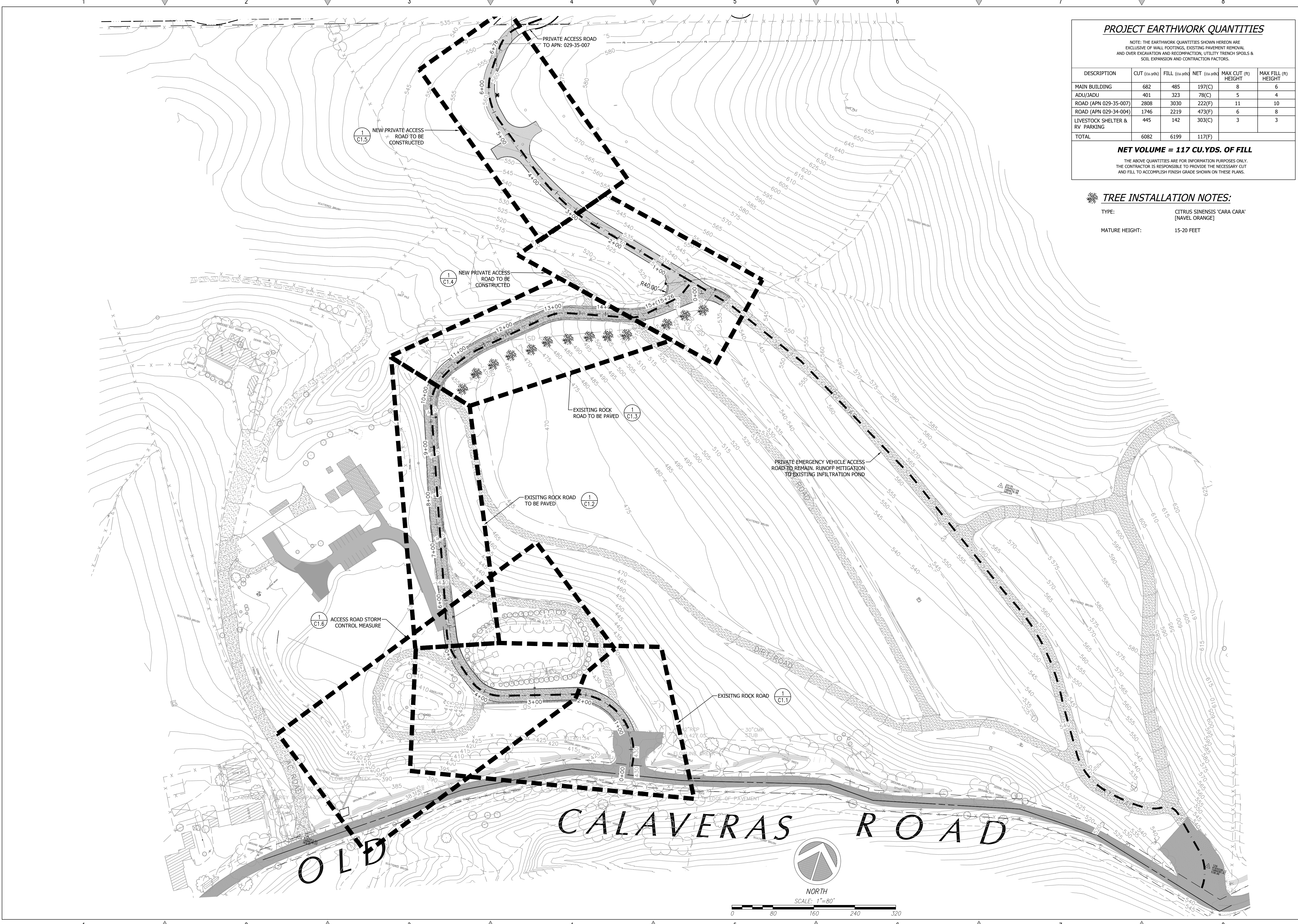
PROPOSED STORM DRAIN EASEMENTS

C2G CIVIL CONSULTANTS GROUP, INC.
 Engineers/Planners
 4400 Scotts Valley Blvd., Suite 6
 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
Job:	3007.02
Sheet:	C0.3
Of	31 Sheets





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 (APN 029-35-007)	2808	3030	222(F)	11	10
ROAD (APN 029-34-004)	1746	2219	473(F)	6	8
LIVESTOCK SHELTER & RV PARKING	445	142	303(C)	3	3
TOTAL	6082	6199	1117(F)		

NET VOLUME = 117 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.

TREE INSTALLATION NOTES:

TYPE: CITRUS SINENSIS 'CARA CARA' (NAVEL ORANGE)

MATURE HEIGHT: 15-20 FEET

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

EXISTING SITE ACCESS

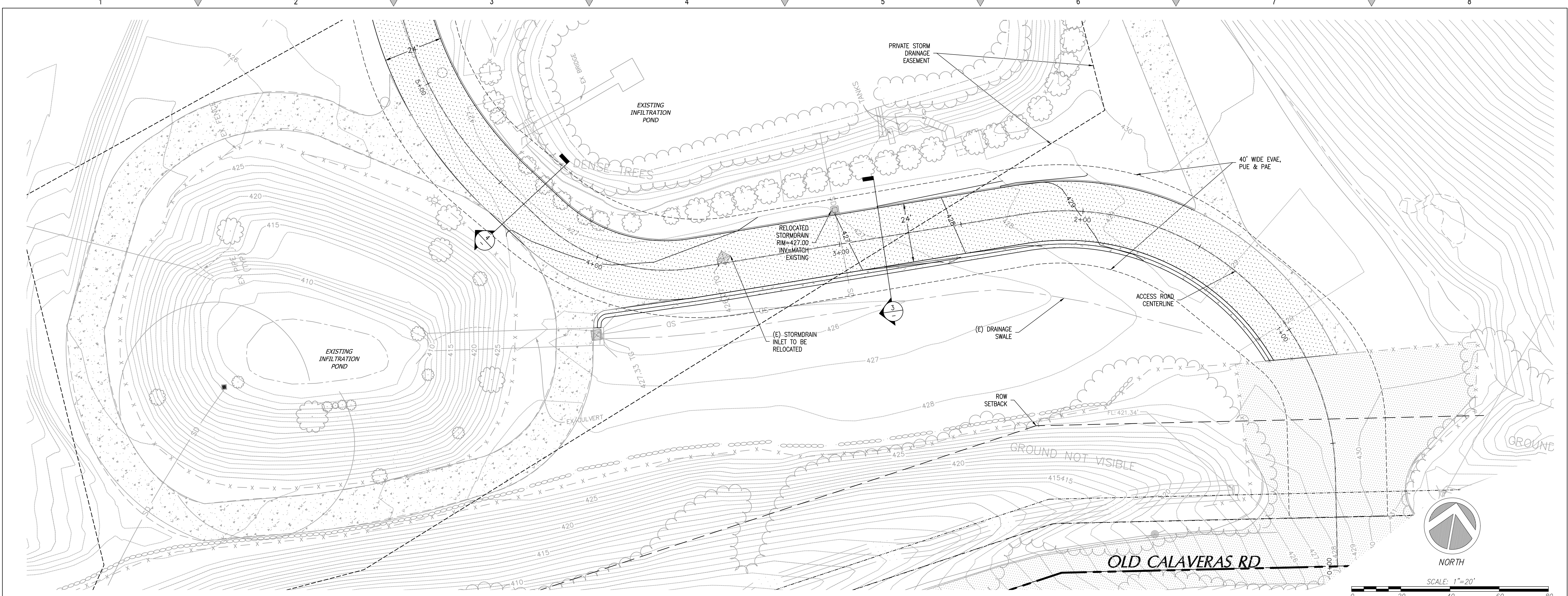


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BARSANA RESIDENCE
 AUGUSTE COURT
 APN: 029-35-007

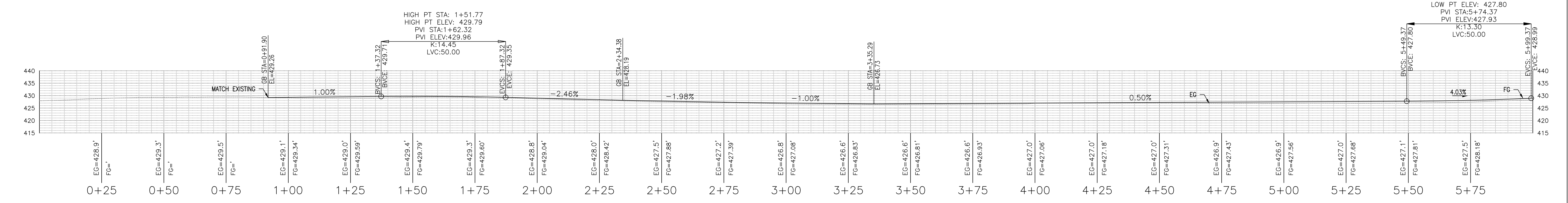
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 Sheet: **C1.0**
 of 31 Sheets

Drawing: Z:\Shared\CAD\000702 - Bar - Super Query 15.sxd SPS Design [CAD] Sheets\000702 - C1.0 - EP SITE ACCESS.dwg Layout: C1.0 - ACCESS RD PARALLEL Left Sheet: Bar Oct 26, 2022 - 10:24am By: Dave



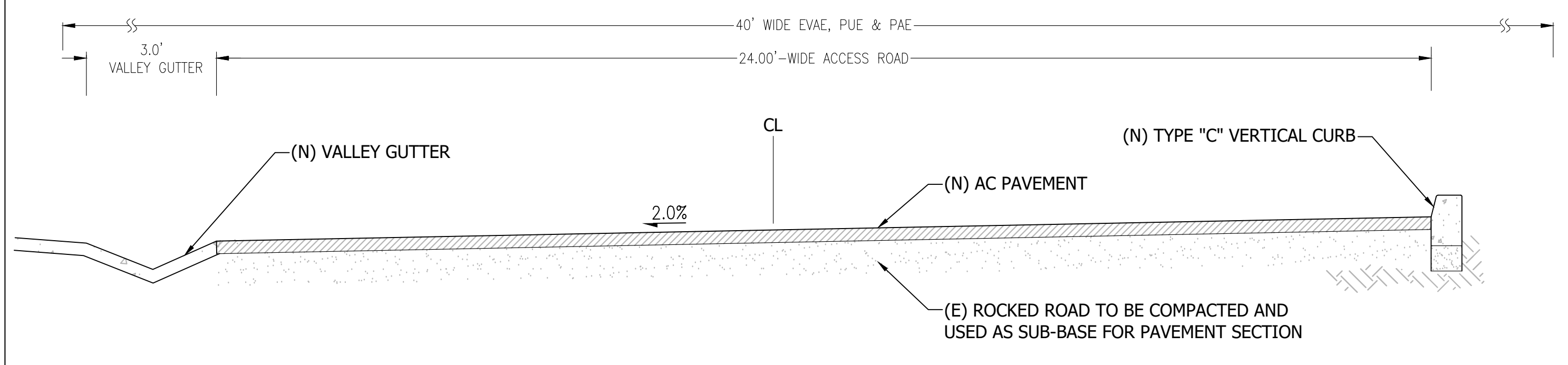
1 EXISTING ACCESS ROAD PLAN

Scale: 1:20



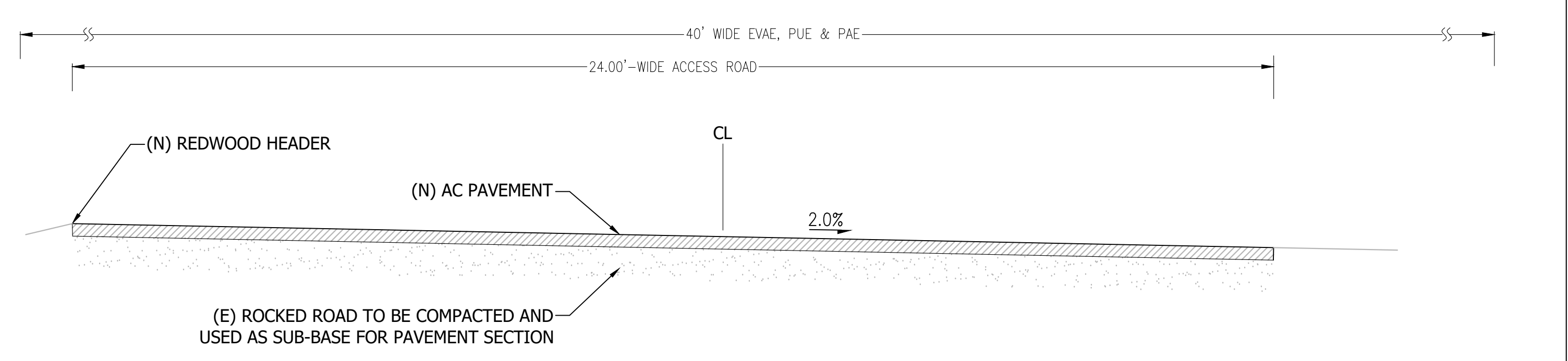
2 ACCESS ROAD PROFILE - STA. 0+00 TO 6+00

Scale: 1:20



3 24'-WIDE ACCESS ROAD SECTION

Scale: 1":2'

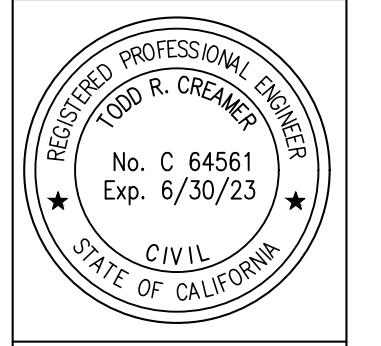


4 24'-WIDE ACCESS ROAD SECTION

Scale: 1":2'

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

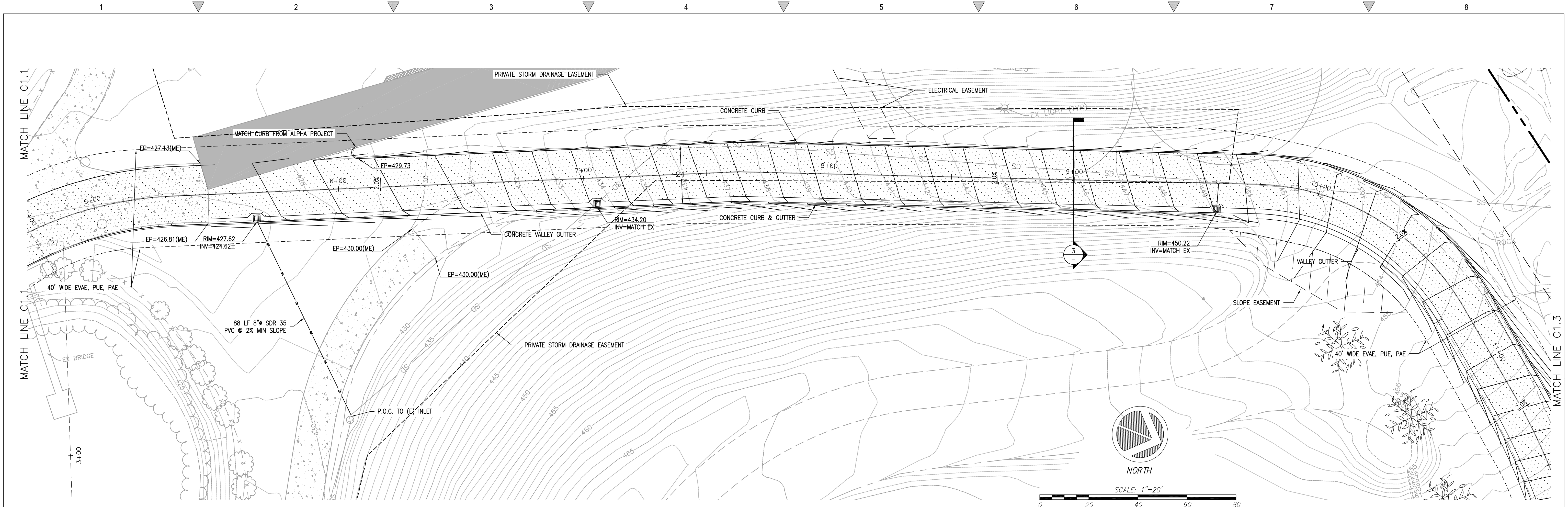
EXISTING ACCESS ROAD PLAN & PROFILES



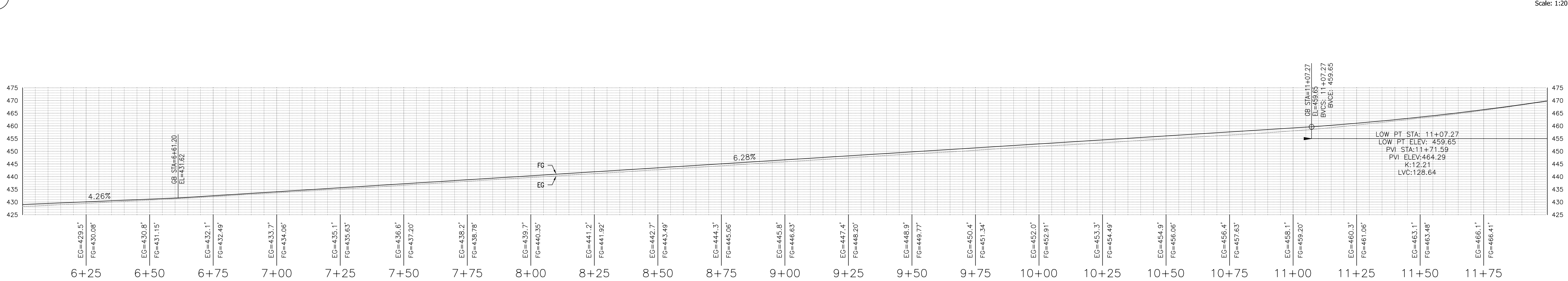
C2G CIVIL CONSULTANTS GROUP, INC.
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 4400 Scotts Valley Road, Suite 6
 Scotts Valley, CA 95066
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BARSANA RESIDENCE
AUGUSTE COURT
 APN: 029-35-007

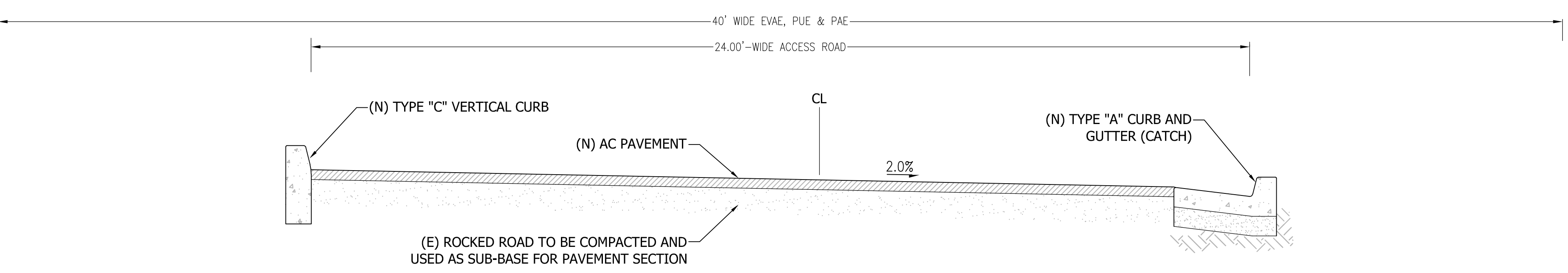
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 Scale: 1" = 20'
 Drawn: DD
 Job: 3007.02
 Sheet:



1 PROPOSED ACCESS ROAD PLAN



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



3 24'-WIDE ACCESS ROAD SECTION

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

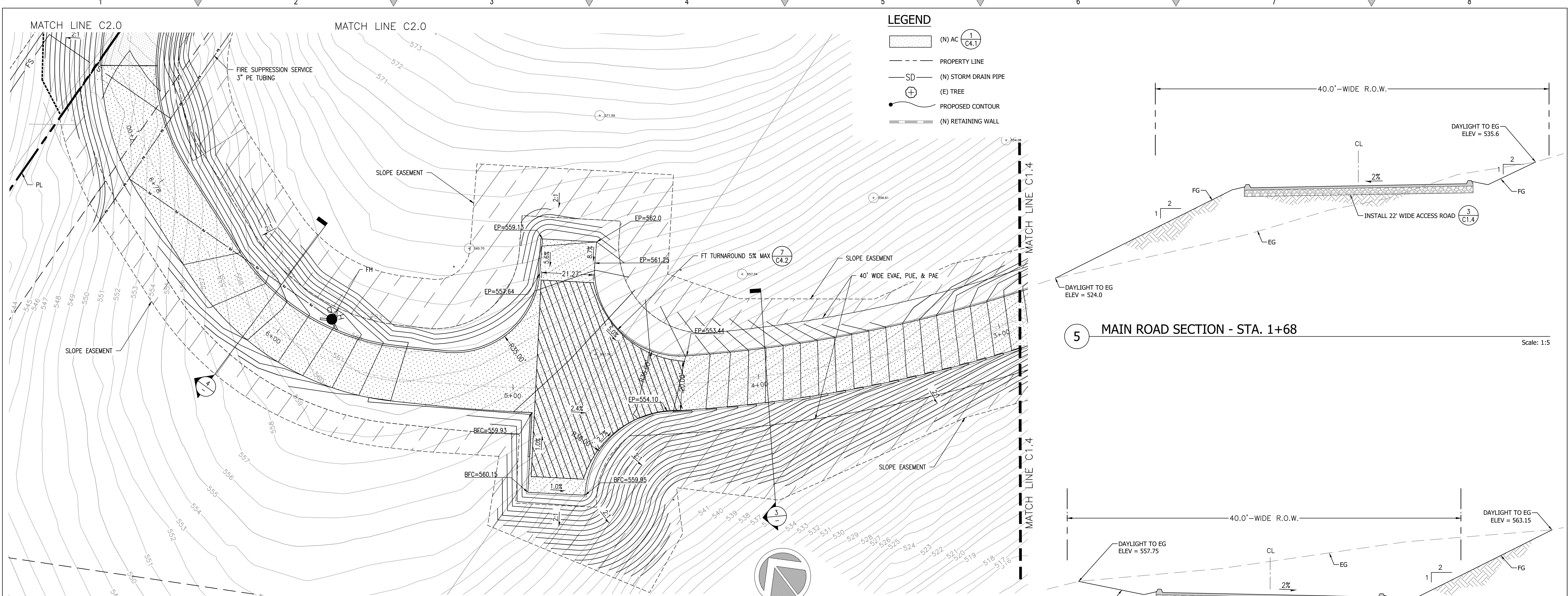
ACCESS ROAD PLAN & PROFILES



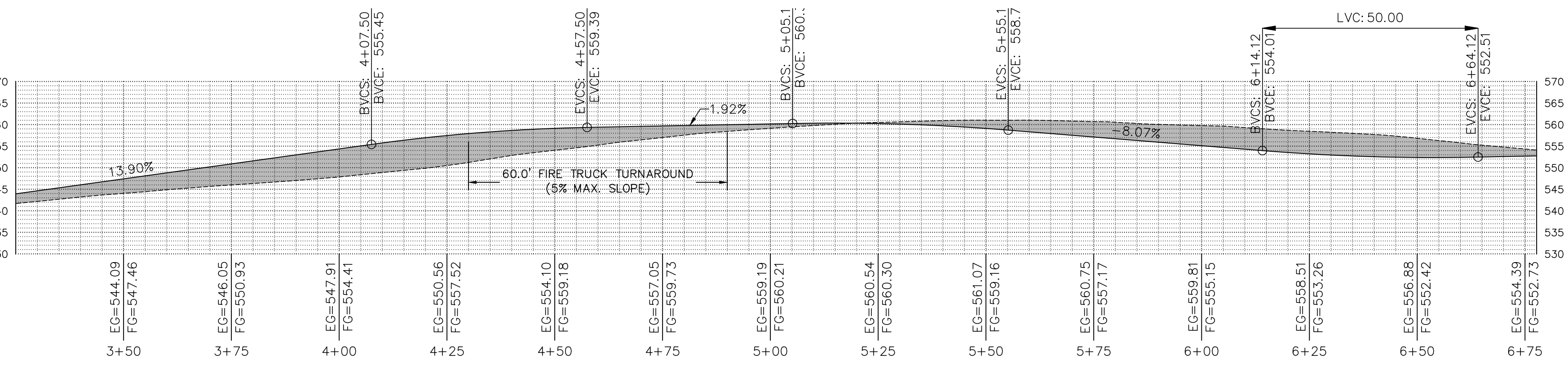
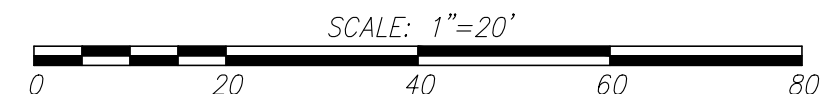
C2G / CIVIL CONSULTANTS GROUP, INC.
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 T (831) 938-4420 F (831) 938-4420

BARSANA RESIDENCE
AUGUSTE COURT
 APN: 029-35-007

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

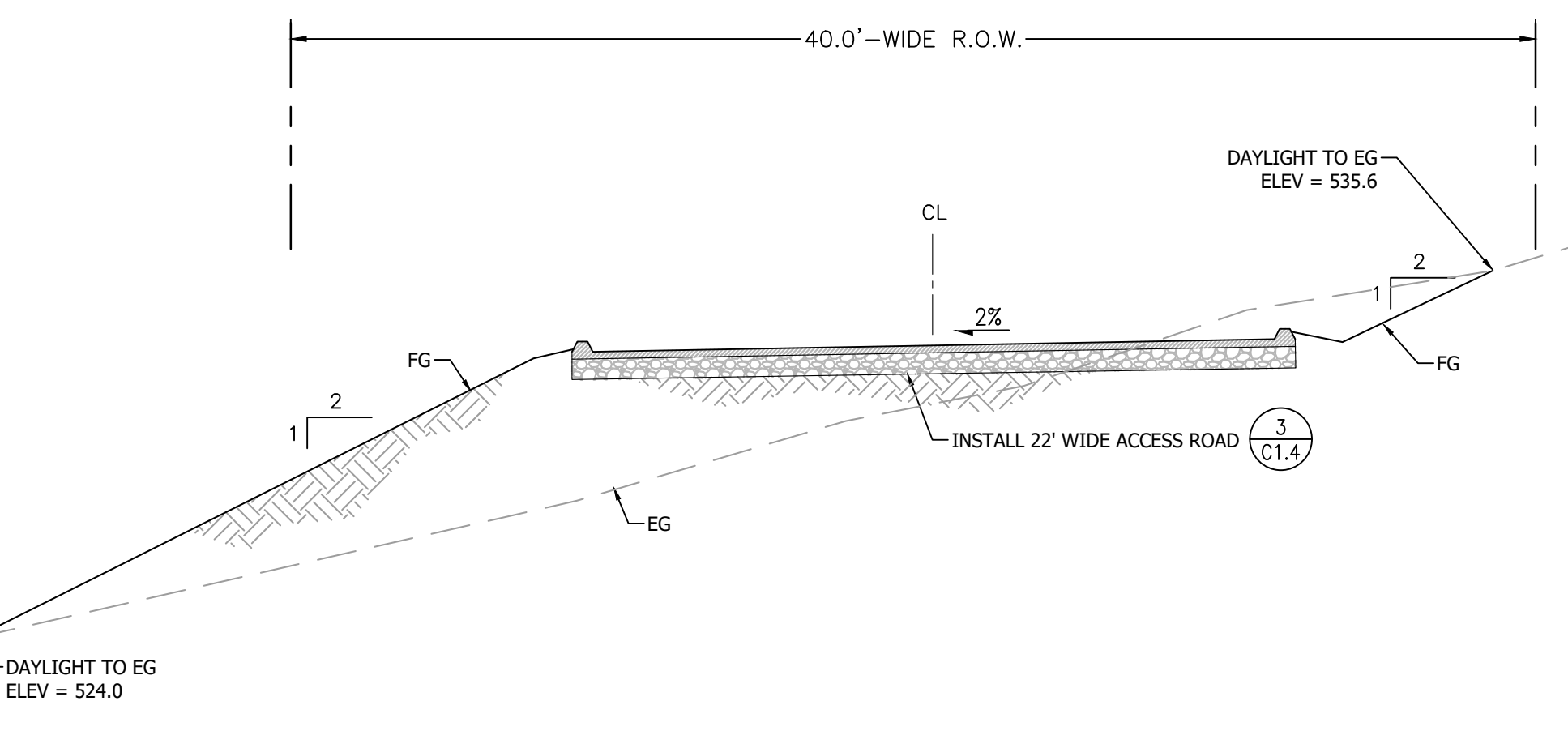


1 ENLARGED SITE PLAN - ACCESS ROAD

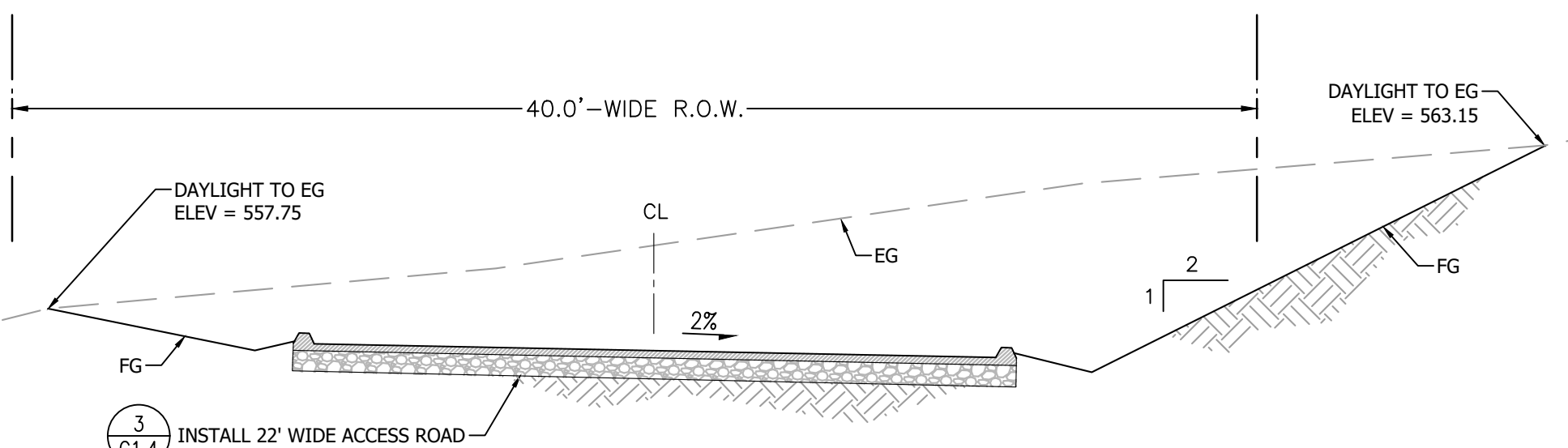


2 MAIN ROAD PROFILE - STA. 1+50 TO 6+78

3 MAIN ROAD SECTION - STA. 3+97

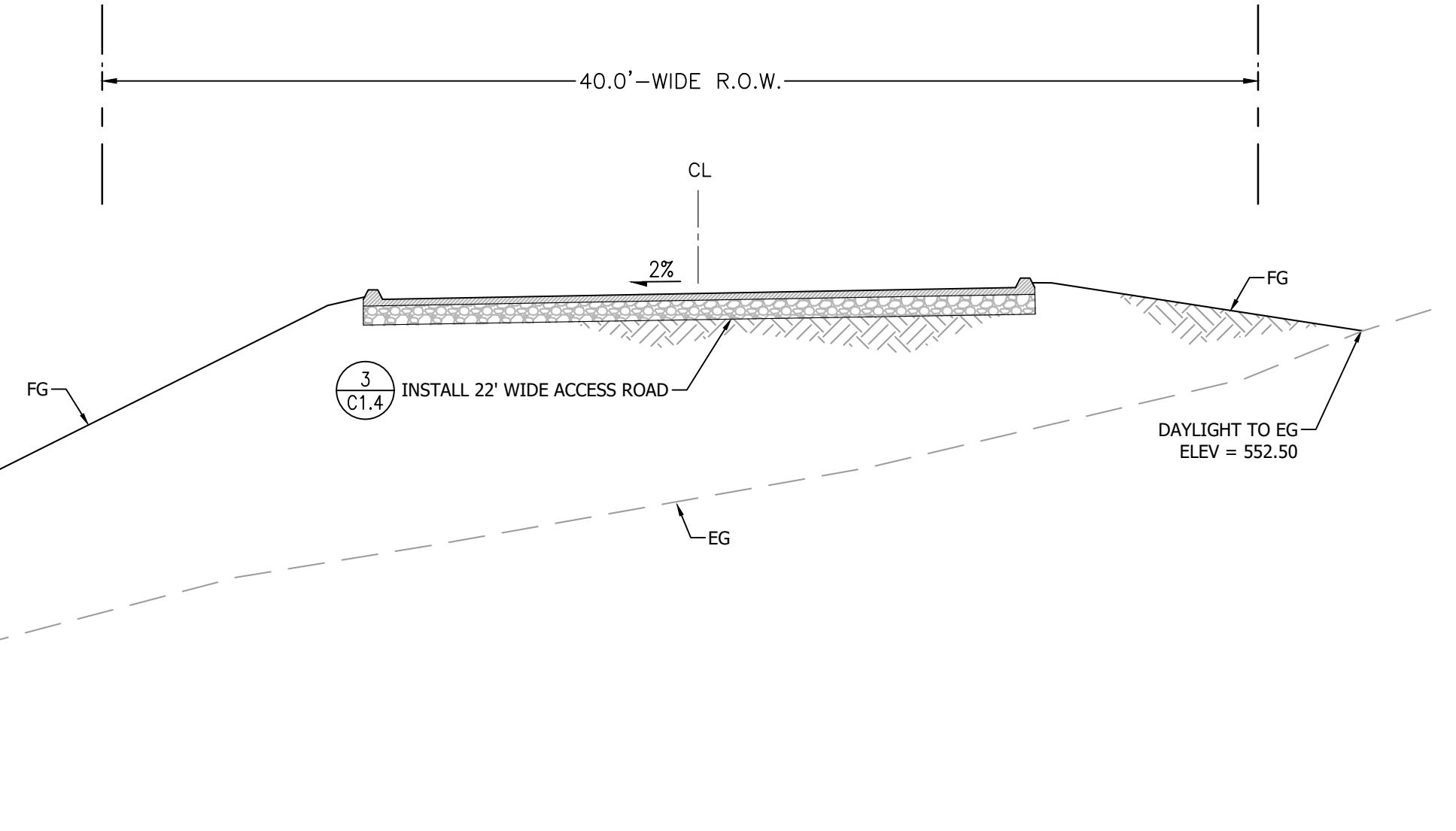


5 MAIN ROAD SECTION - STA. 1+68



4 MAIN ROAD SECTION - STA. 6+10

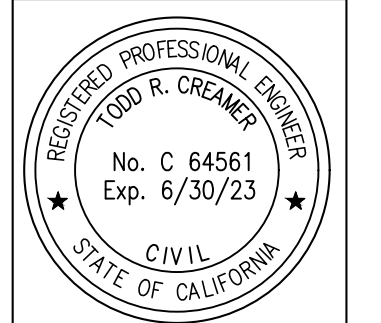
3 MAIN ROAD SECTION - STA. 3+97



3 MAIN ROAD SECTION - STA. 3+97

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

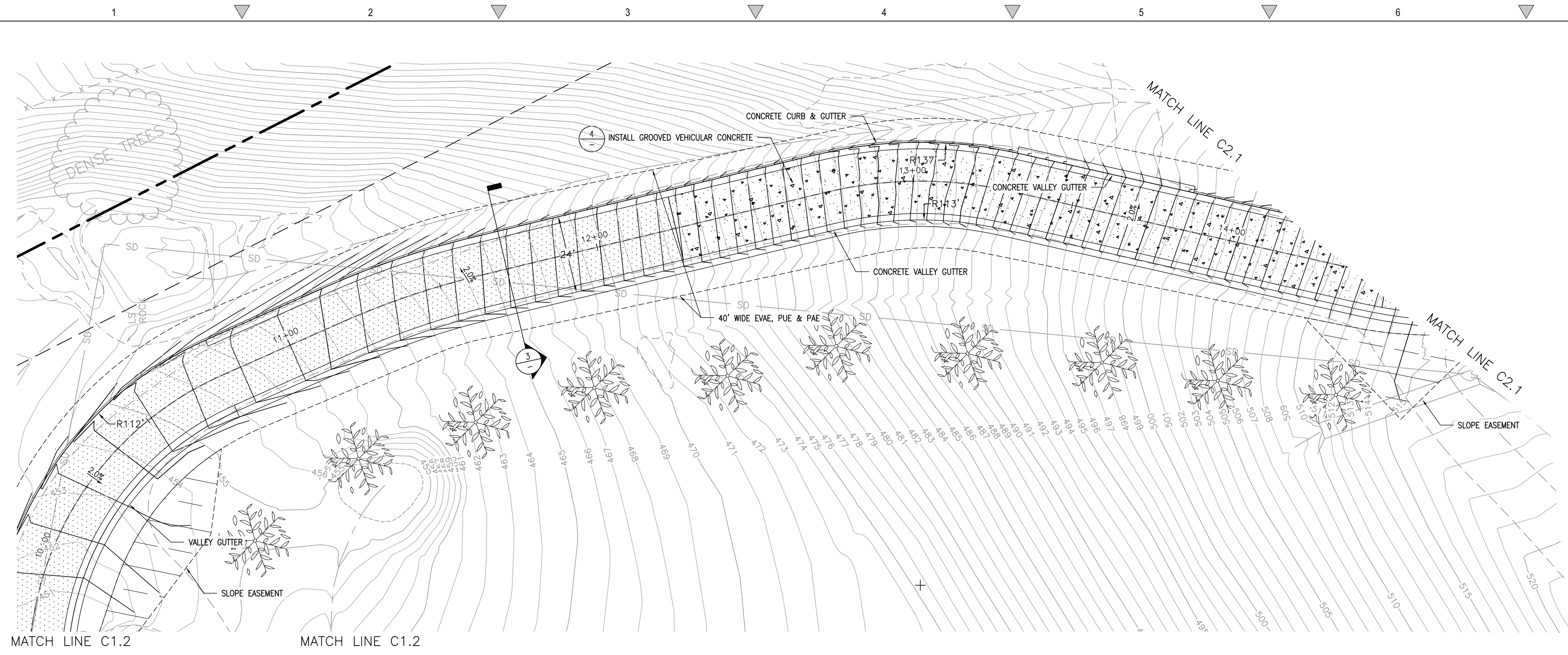
PROPOSED ACCESS PLAN AND PROFILE



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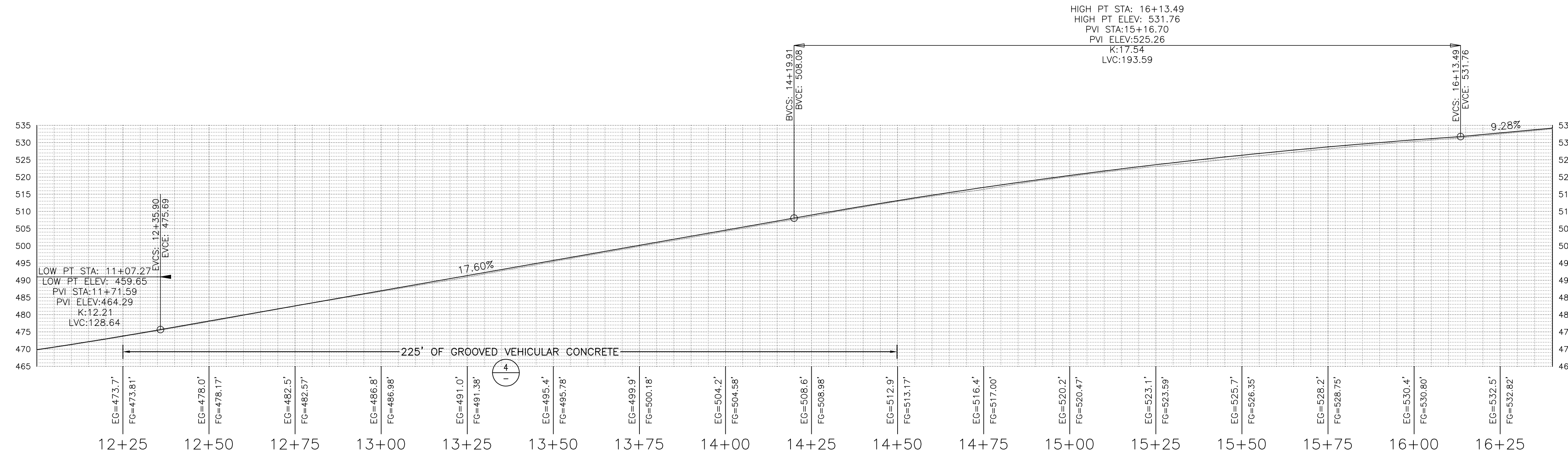
BARSANA RESIDENCE
AUGUSTE COURT
 APN: 029-35-007

Date:	08/06/21
Scale:	1" = 20'
Drawn:	DD
Job:	3007.02
Sheet:	C1.5
Of	31 Sheets



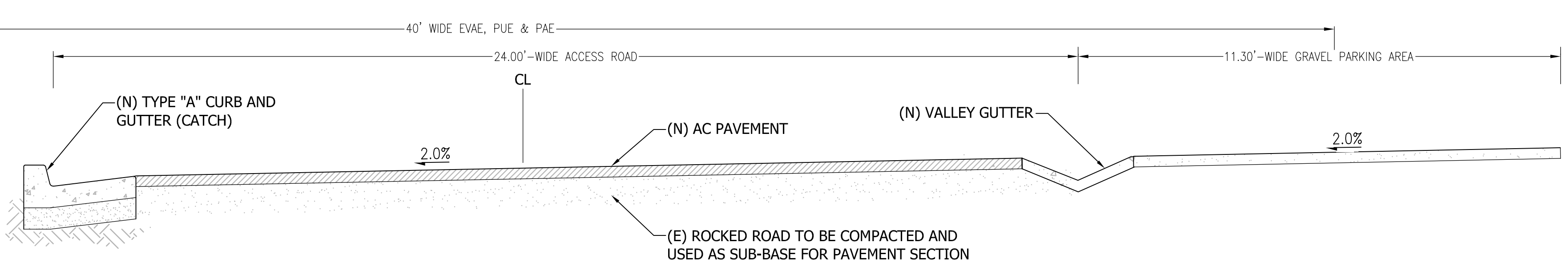
1 PROPOSED ACCESS ROAD PLAN

Scale: 1:20



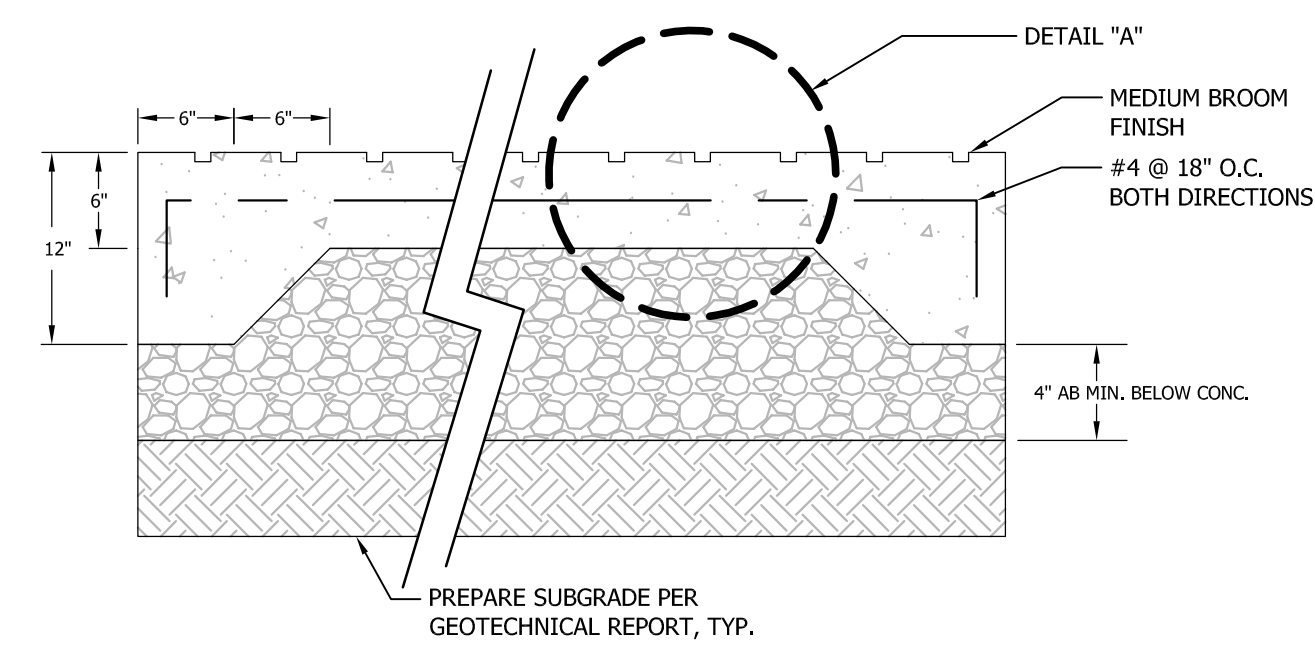
2 ACCESS ROAD PROFILE - STA. 12+00 TO 16+45

Scale: 1:20

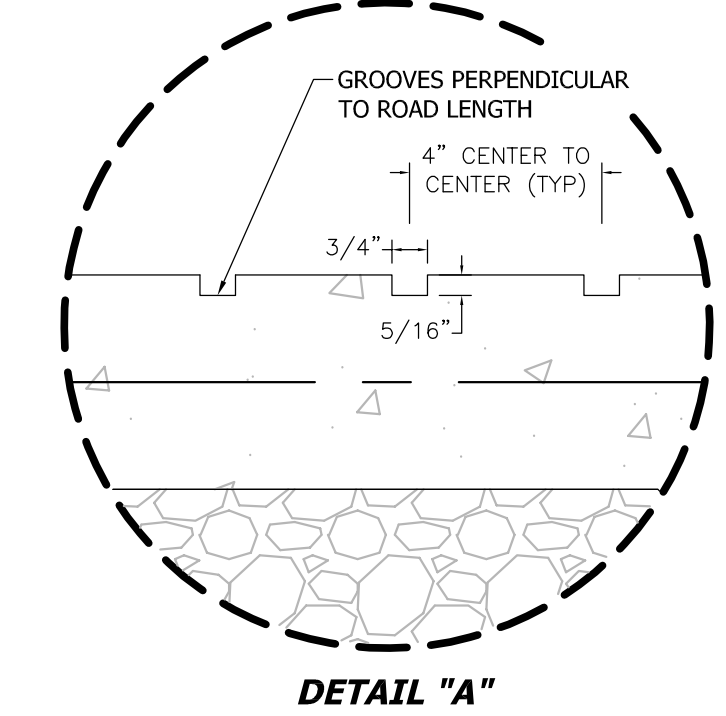


3 24'-WIDE ACCESS ROAD SECTION

Scale: 1":2'



- NOTE:
1. TYPE OF CONCRETE: CLASS A
 2. MINIMUM 6" CLASS 2 AB, COMPACTED TO 95%.
 3. SEE LANDSCAPE PLAN FOR LOCATION OF SCORING AND EXPANSION JOINTS.
 4. DOWEL WITH #4 BARS, 12" LONG, AT 24" ON CENTERS, EMBEDDED 4" WITH EPOXY IN EDGE OF EXISTING CONCRETE.
 5. DOWELING & REINFORCING TO BE PROVIDED AT JOINTS.



4 VEHICULAR CONCRETE SECTION W/ GROOVES

Scale: NTS

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

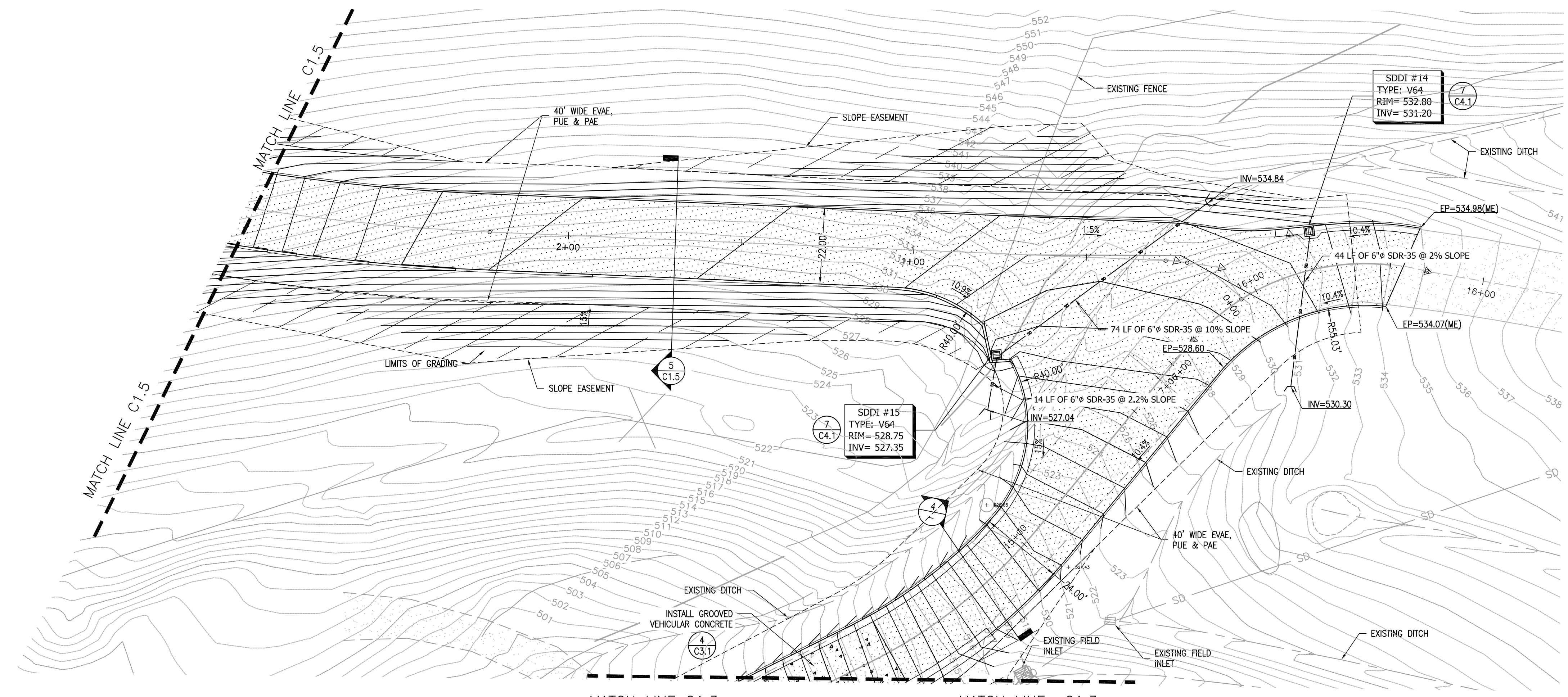
ACCESS ROAD PLAN & PROFILES



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 4444 Scots Valley Drive / Suite 6
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 T (831) 938-4420 F (831) 938-4420
 Email: info@c2ginc.com Website: www.c2ginc.com

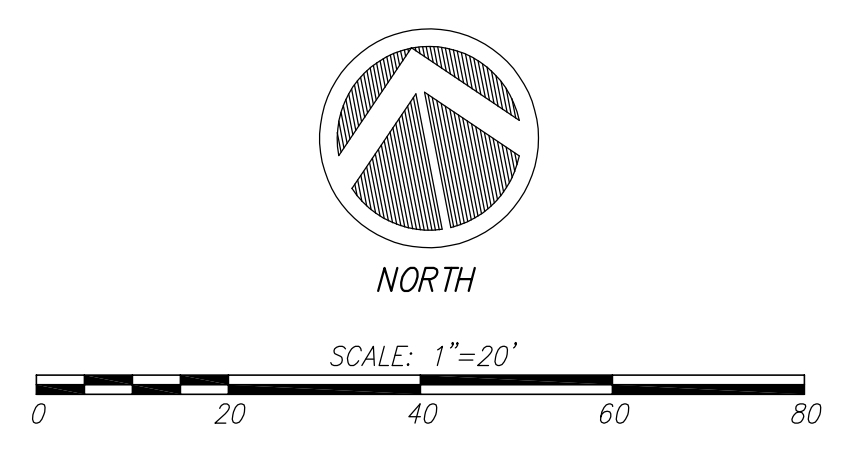
BARSANA RESIDENCE
AUGUSTE COURT
APN: 029-35-007

Date: 08/06/21
 Scale: 1" = 20'
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 Sheet:



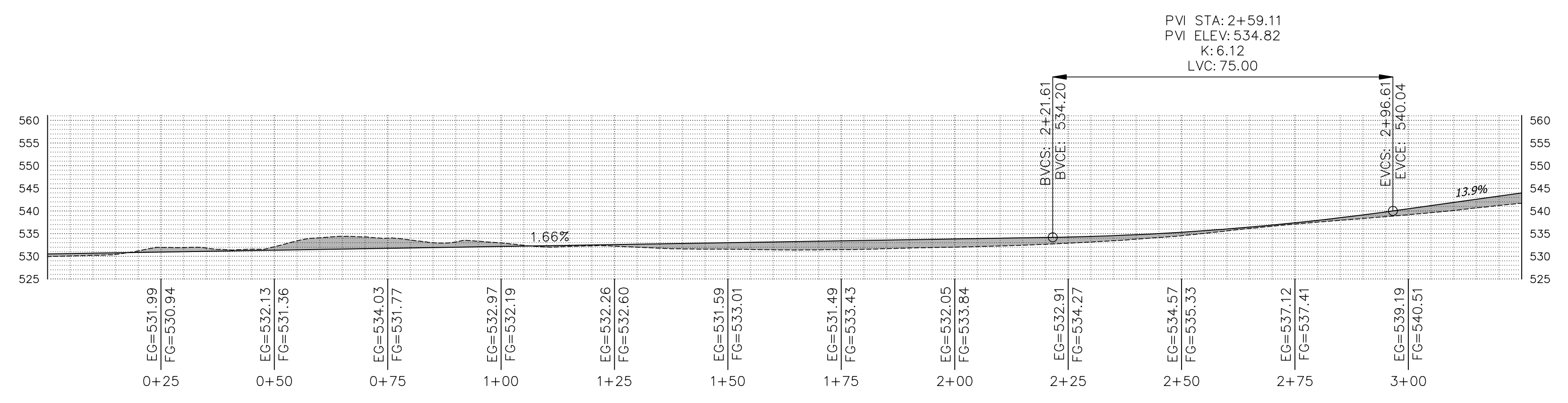
LEGEND

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



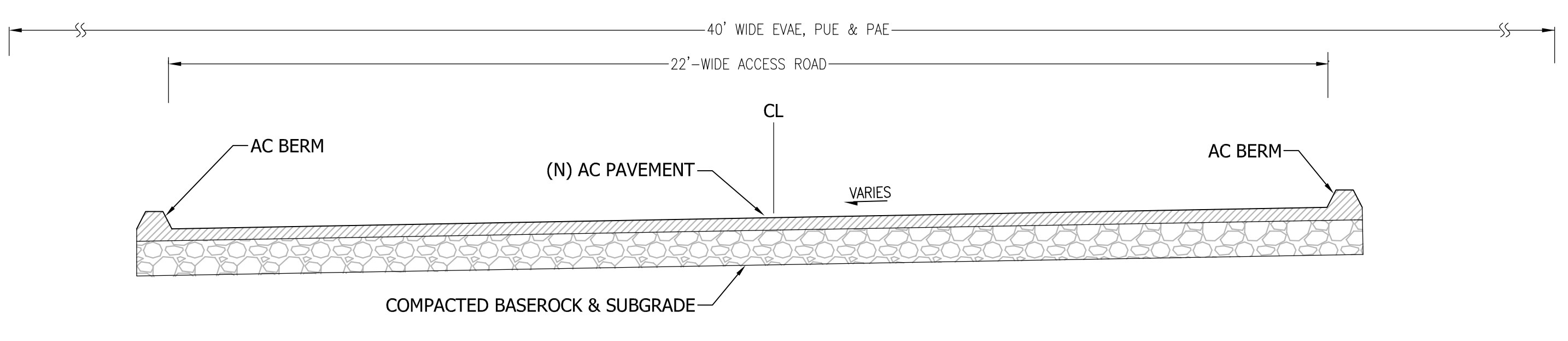
1 ENLARGED SITE PLAN - ACCESS ROAD

Scale: 1"=20'



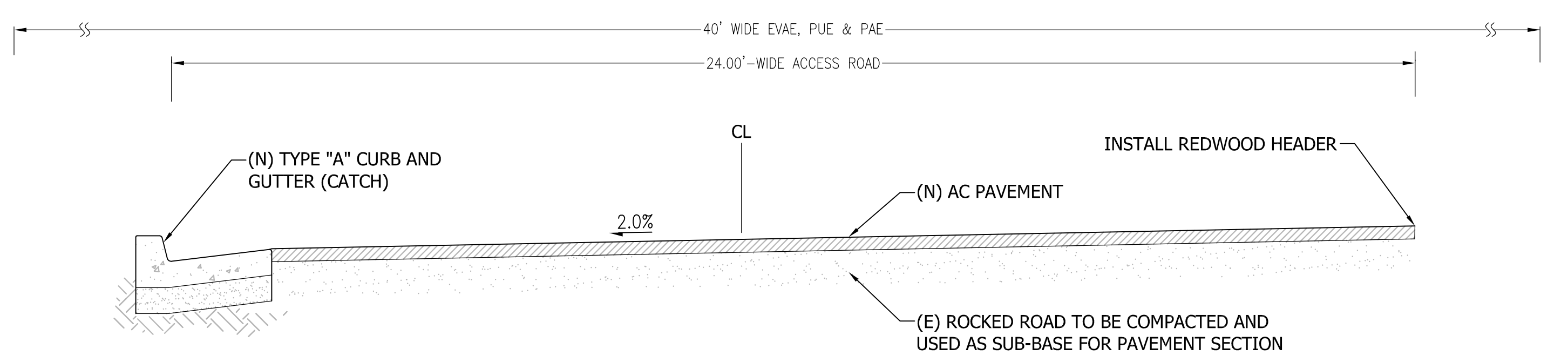
2 MAIN ROAD PROFILE - STA. 0+00 TO 3+25

Scale: 1:20



3 22'-WIDE ACCESS ROAD SECTION

Scale: 1"=2'



4 24'-WIDE ACCESS ROAD SECTION

Scale: 1"=2'

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

ENLARGED SITE PLAN

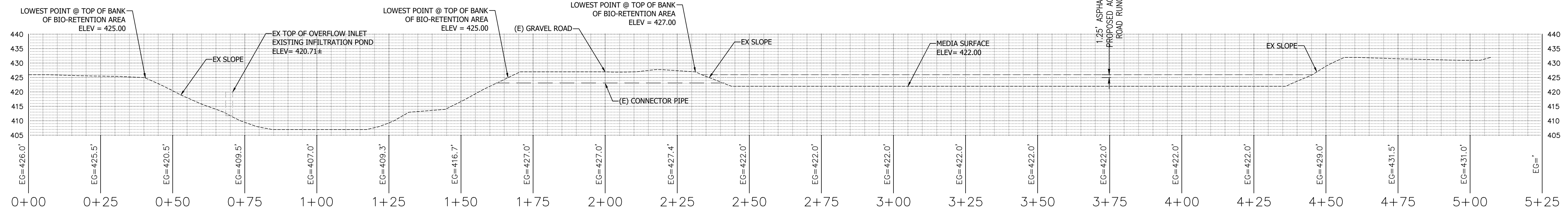


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BARSANA RESIDENCE
AUGUSTE COURT
 APN: 029-35-007

Date:	08/06/21
Scale:	1" = 20'
Drawn:	DD
Job:	3007.02
Sheet:	C1.4
Of 31 Sheets	

Drawing: 2: [Barne] (20) 1007.02 - RFP - Site Query 15 sec: SPT (Design) (24) Sheets 1007.02 - C1.4 - ACCESS STREET PLAN & PROFILE.dwg
 Layout: C1.4 - PLAN/PROFILE
 Last Saved: Wed Oct 26, 2022 - 11:46am
 Last Plotted: Fri Oct 26, 2022 - 3:30pm
 By: dms



1 EX BIOFILTRATION BASIN, DRAIN AND OVERFLOW STRUCTURE

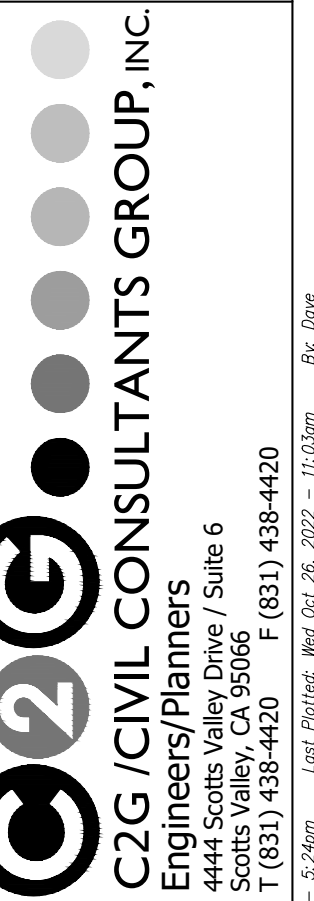
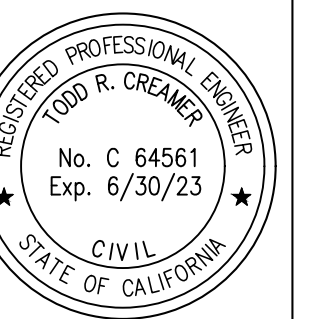
Scale: 1" = 20'

Stormwater Runoff Mitigation Calculations			
10 year, 24 hour storm event			
Auguste Ct Milpitas, CA			
Site infiltration rate	0.05	in/hr	NRCS
Intensity	0.2	in/hr	C.3 Manual
MAPgage	13.9	in	C.3 Manual
MAPsite	20	in	C.3 Manual
Correction Factor	1.438849		MAPsite/MAPgage
Corrected intensity	0.28777	in/hr	Corr. Fact. * I
Existing impervious	0	ac	
Proposed Impervious	0.91	ac	
Cpre	0.25		weighted average
Cpost	0.845327		weighted average
Qpre	0.076978	cfs	Q=CIA
Qpost	0.260288	cfs	Q=CIA
Qincrease	0.183309	cfs	Qpost-Qpre
Captured Area	155885	sf	DMA
Qcap	0.025698	cfs	captured by existing pond
Qnet	0.23459	cfs	Qpost-Qcap
Qdelta	0.157612	cfs	Qnet-Qpre
Drainage Area	3.578627	Acres	
Unit Basin Storage Volume	0.21	in	
Adjusted UBS Volume	0.302158	in	Correction Factor*UBS
BMP Design Volume	3925.162	cu ft	Adj UBS*Drainage Area

2 STORMWATER CALCULATIONS

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

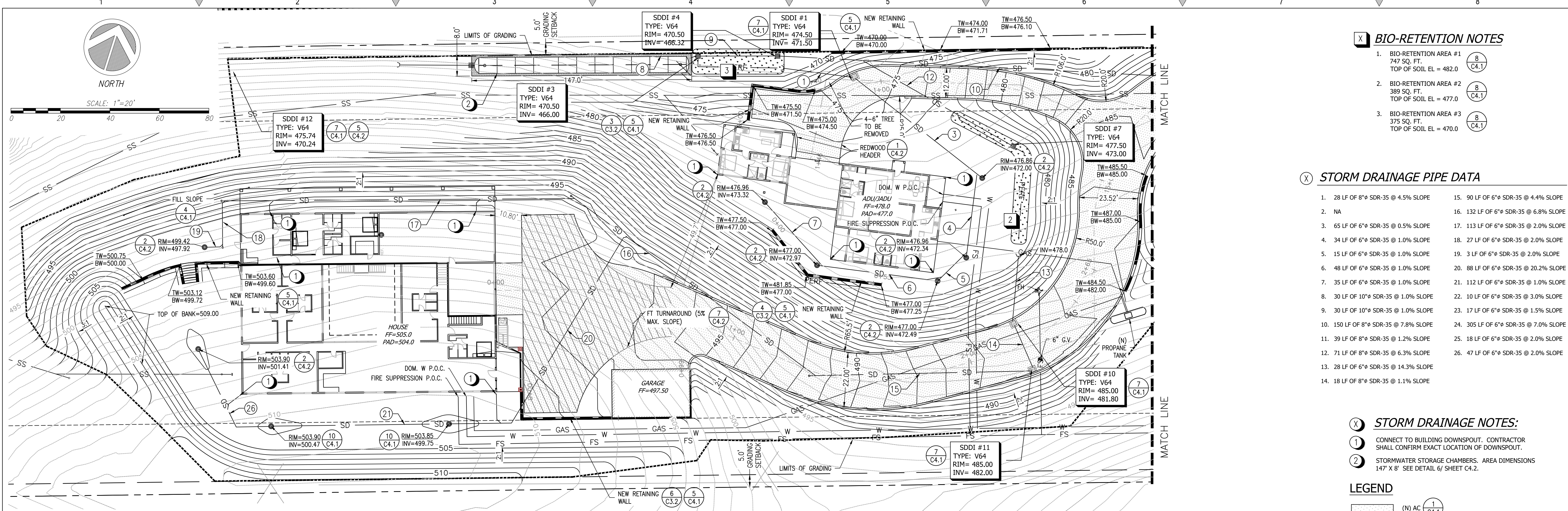
EXISTING INFILTRATION POND PLAN



BARSANA RESIDENCE
AUGUSTE COURT
APN: 029-35-007

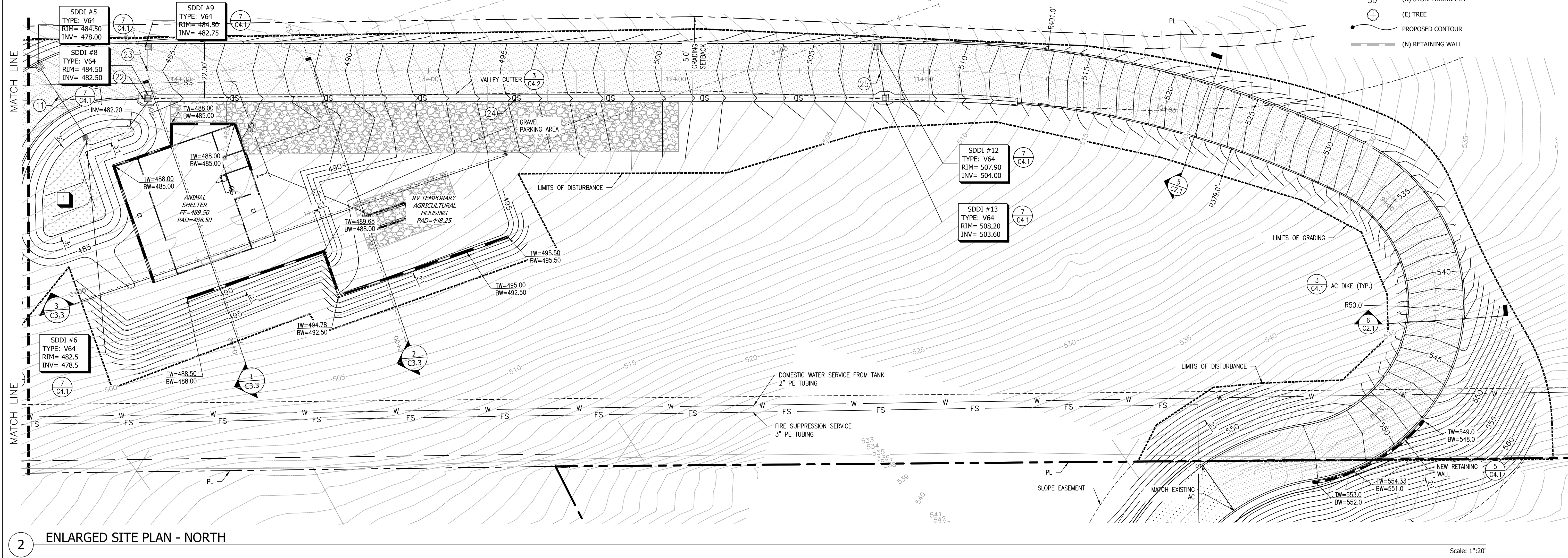
Date:	08/06/21
Scale:	1" = 20'
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Job:	3007.02
Sheet:	C1.7
Of	31 Sheets

Drawing: 2: (Shared) CAD (3007.02) - INF - Sept. Query 15: (Shared) SPS (Design) CAD (3007.02) - C1.7 - EX BIOFILTRATION SWMP SECTION.dwg Layout: C1.7 - SCC - East Sheet: Mon Oct 03, 2022 - 2:49pm East Sheet: Mon Oct 03, 2022 - 11:03am By: Dave



1 ENLARGED SITE PLAN - SOUTH

Scale: 1"=20'



2 ENLARGED SITE PLAN - NORTH

Scale: 1"=20'

BIO-RETENTION NOTES

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

STORM DRAINAGE PIPE DATA

- | | |
|--------------------------------------|--------------------------------------|
| 1. 28 LF OF 8" SDR-35 @ 4.5% SLOPE | 15. 90 LF OF 6" SDR-35 @ 4.4% SLOPE |
| 2. NA | 16. 132 LF OF 6" SDR-35 @ 6.8% SLOPE |
| 3. 65 LF OF 6" SDR-35 @ 0.5% SLOPE | 17. 113 LF OF 6" SDR-35 @ 2.0% SLOPE |
| 4. 34 LF OF 6" SDR-35 @ 1.0% SLOPE | 18. 27 LF OF 6" SDR-35 @ 2.0% SLOPE |
| 5. 15 LF OF 6" SDR-35 @ 1.0% SLOPE | 19. 3 LF OF 6" SDR-35 @ 2.0% SLOPE |
| 6. 48 LF OF 6" SDR-35 @ 1.0% SLOPE | 20. 88 LF OF 6" SDR-35 @ 20.2% SLOPE |
| 7. 35 LF OF 6" SDR-35 @ 1.0% SLOPE | 21. 112 LF OF 6" SDR-35 @ 1.0% SLOPE |
| 8. 30 LF OF 10" SDR-35 @ 1.0% SLOPE | 22. 10 LF OF 6" SDR-35 @ 3.0% SLOPE |
| 9. 30 LF OF 10" SDR-35 @ 1.0% SLOPE | 23. 17 LF OF 6" SDR-35 @ 1.5% SLOPE |
| 10. 150 LF OF 8" SDR-35 @ 7.8% SLOPE | 24. 305 LF OF 6" SDR-35 @ 7.0% SLOPE |
| 11. 39 LF OF 8" SDR-35 @ 1.2% SLOPE | 25. 18 LF OF 6" SDR-35 @ 2.0% SLOPE |
| 12. 71 LF OF 8" SDR-35 @ 6.3% SLOPE | 26. 47 LF OF 6" SDR-35 @ 2.0% SLOPE |
| 13. 28 LF OF 6" SDR-35 @ 14.3% SLOPE | |
| 14. 18 LF OF 8" SDR-35 @ 1.1% SLOPE | |

STORM DRAINAGE NOTES:

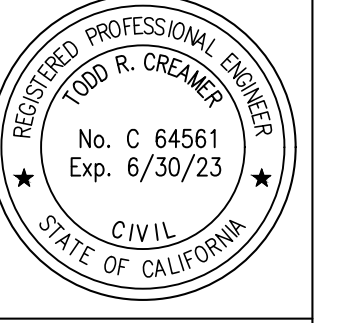
- CONNECT TO BUILDING DOWNSPOUT. CONTRACTOR SHALL CONFIRM EXACT LOCATION OF DOWNSPOUT.
- STORMWATER STORAGE CHAMBERS. AREA DIMENSIONS 147' X 8' SEE DETAIL 6/ SHEET C4.2.

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 SDC COMMENTS 11/05/21	DD

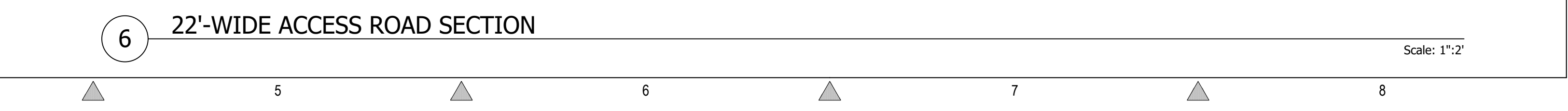
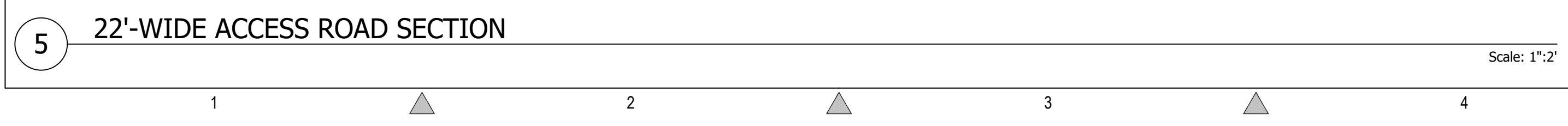
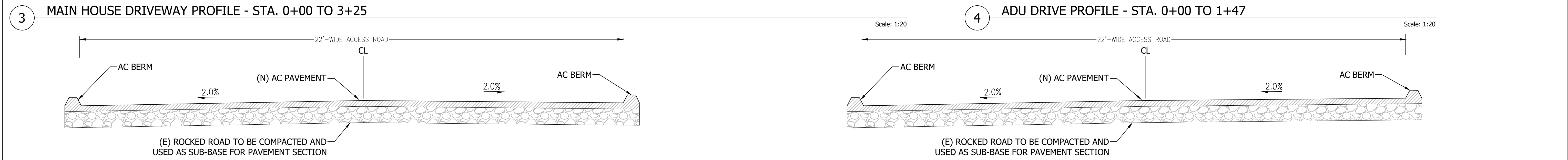
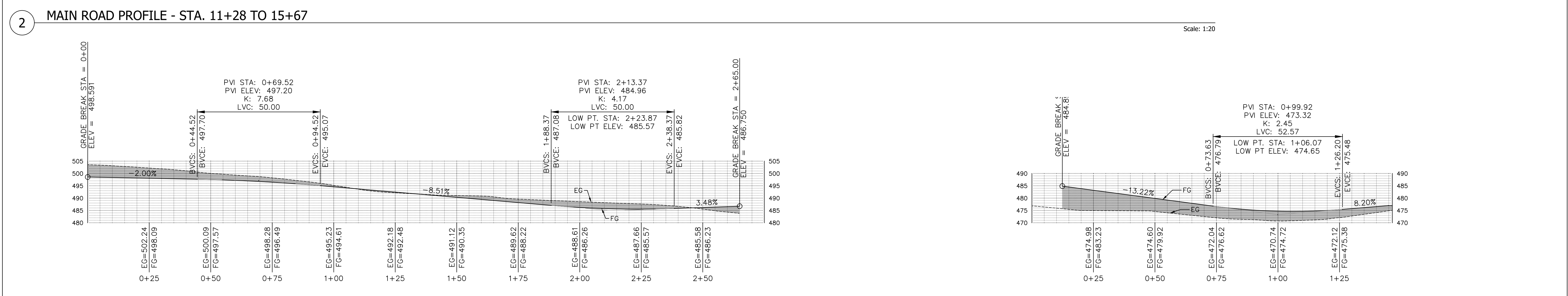
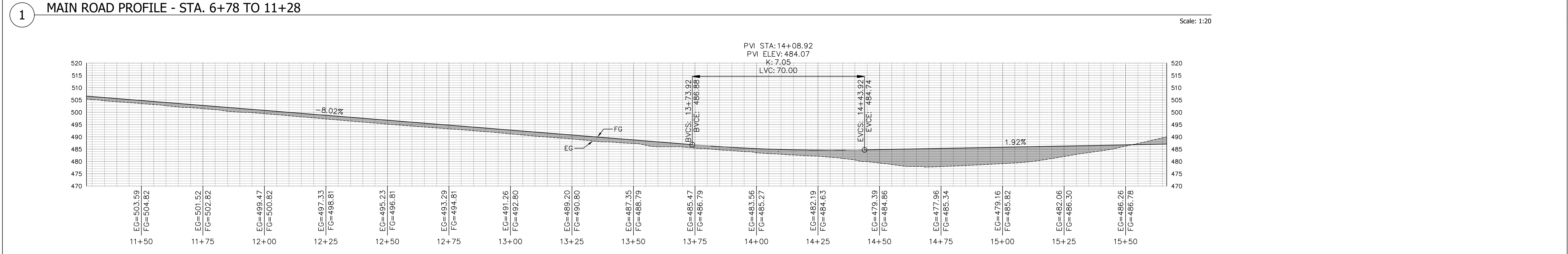
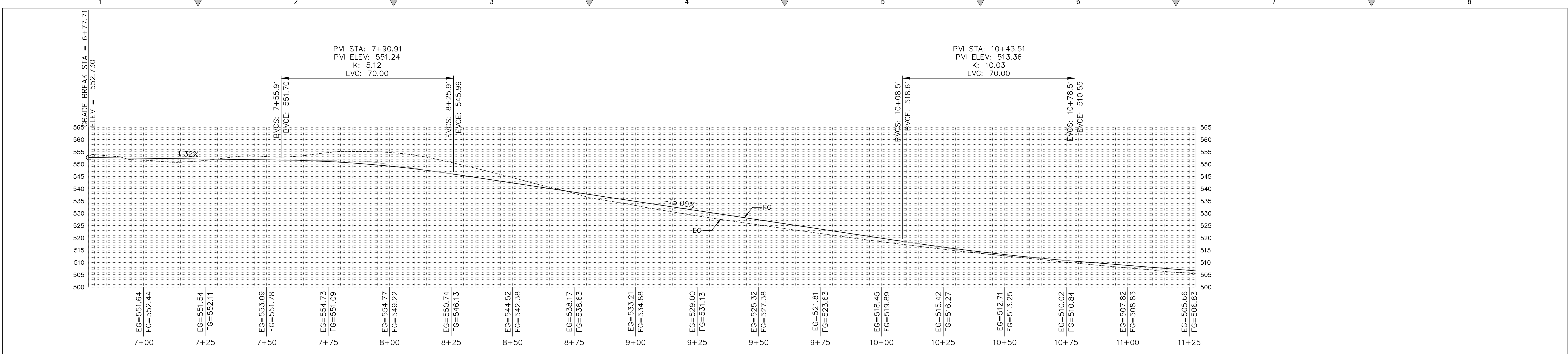
ENLARGED SITE PLAN



C2G CIVIL CONSULTANTS GROUP, INC.
 Engineers/Planners
 4400 Scotts Valley Blvd., Suite 6
 Scotts Valley, CA 95066
 T (831) 438-4420 F (831) 438-4420

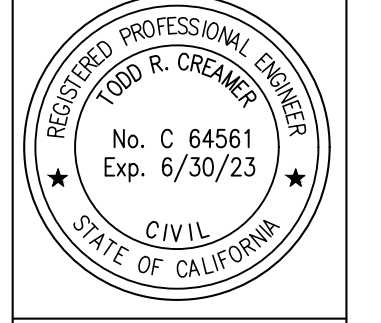
BARSANA RESIDENCE
 AUGUSTE COURT
 APN: 029-35-007

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



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

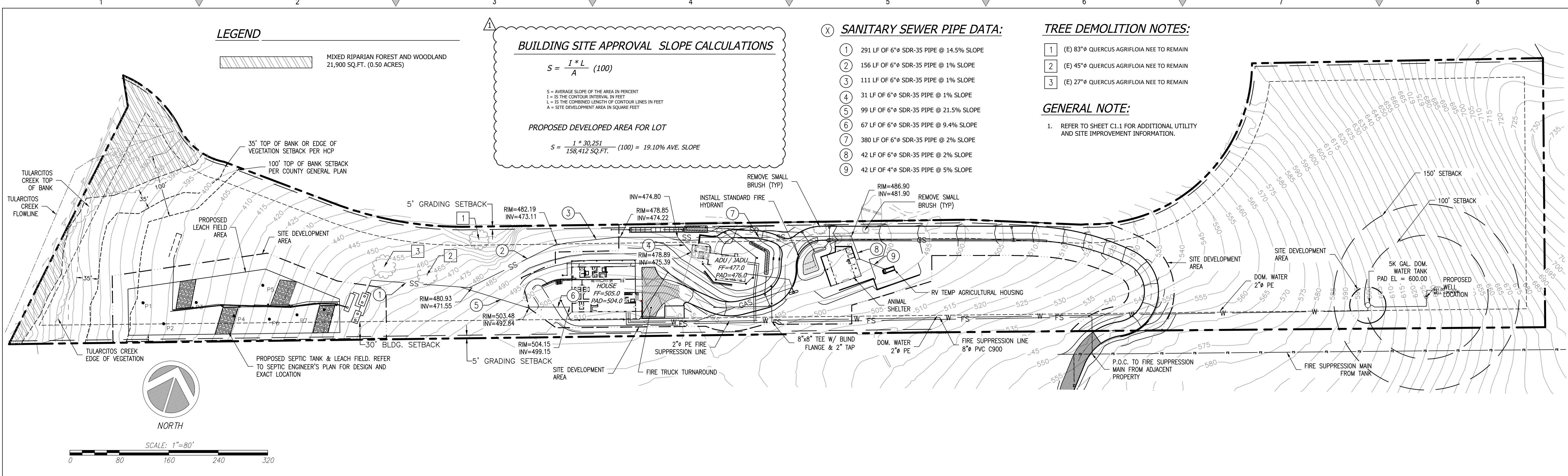
PROFILES / SECTIONS



C2G CIVIL CONSULTANTS GROUP, INC.
 Engineers/Planners
 4400 Scotts Valley Road, Suite 6
 Scotts Valley, CA 95066
 T (831) 438-4420 F (831) 438-4420

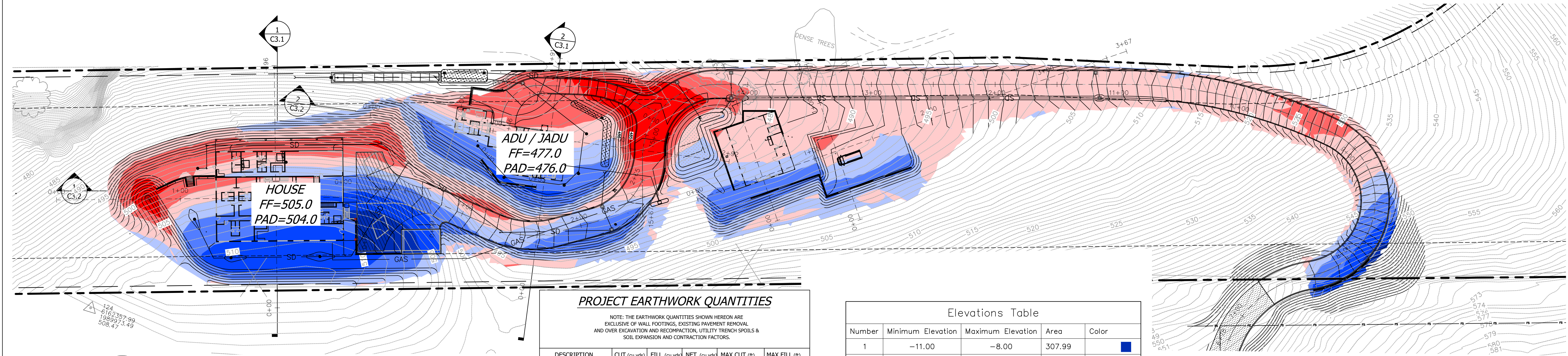
BARSANA RESIDENCE
AUGUSTE COURT
 APN: 029-35-007

Date:	08/06/21
Scale:	1" = 20'
Drawn:	DD
Job:	3007.02
Sheet:	C2.1
Of	31 Sheets



1 ENLARGED SITE PLAN

Scale: 1"=80'

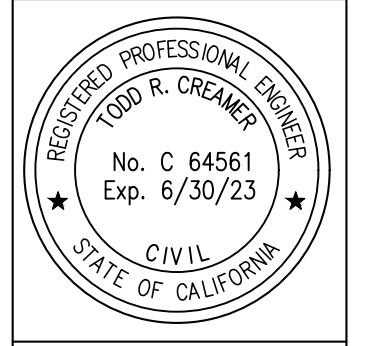


2 CUT AND FILL ANALYSIS

Scale: 1"=40'

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

OVERALL SITE PLAN & CUT/FILL ANALYSIS



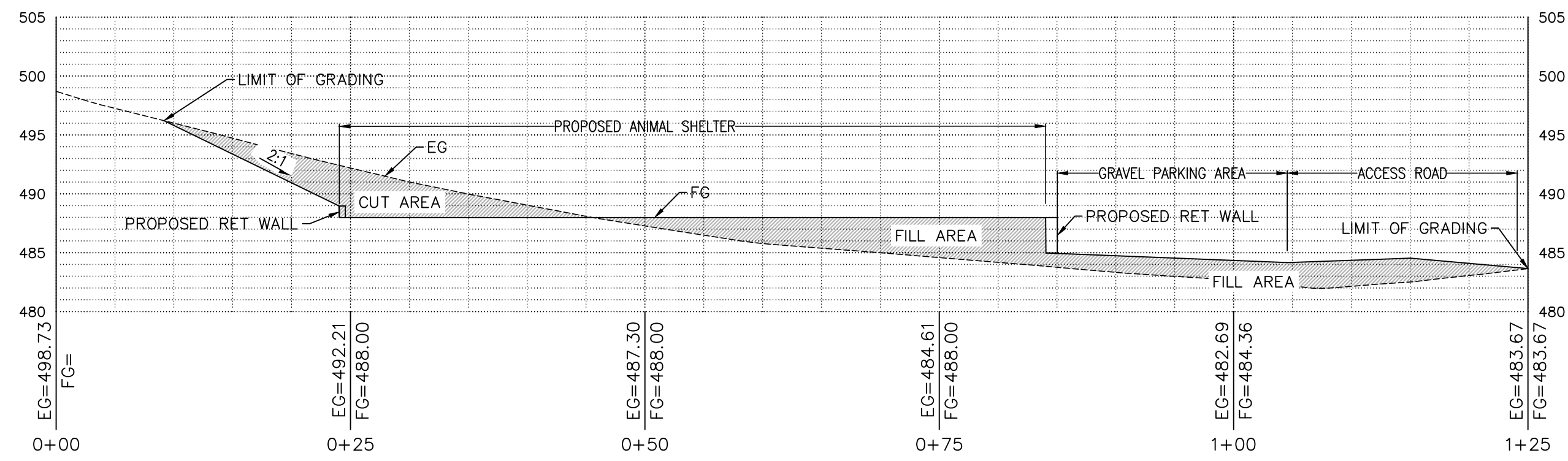
C2G CIVIL CONSULTANTS GROUP, INC.
 Engineers/Planners
 4400 Scotts Valley, CA 95066
 T (831) 438-4420 F (831) 438-4420

BARSANA RESIDENCE
 AUGUSTE COURT
 APN: 029-35-007

Date: 08/06/21
 Scale: AS SHOWN
 Drawn: DD
 Job: 3007.02
 Sheet: **C3.0**
 of 31 Sheets

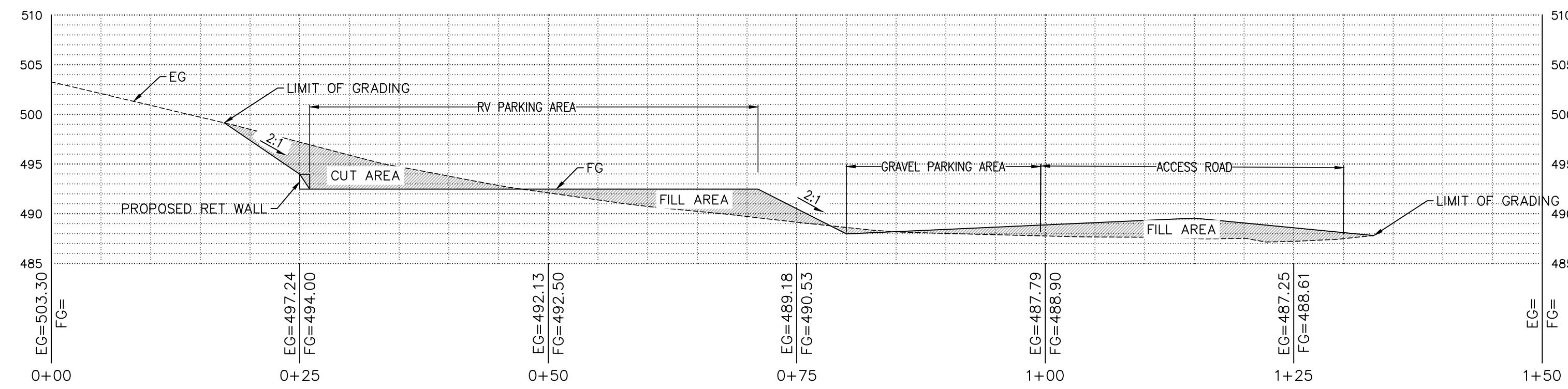
1 2 3 4 5 6 7 8

A
B
C
D
E
F



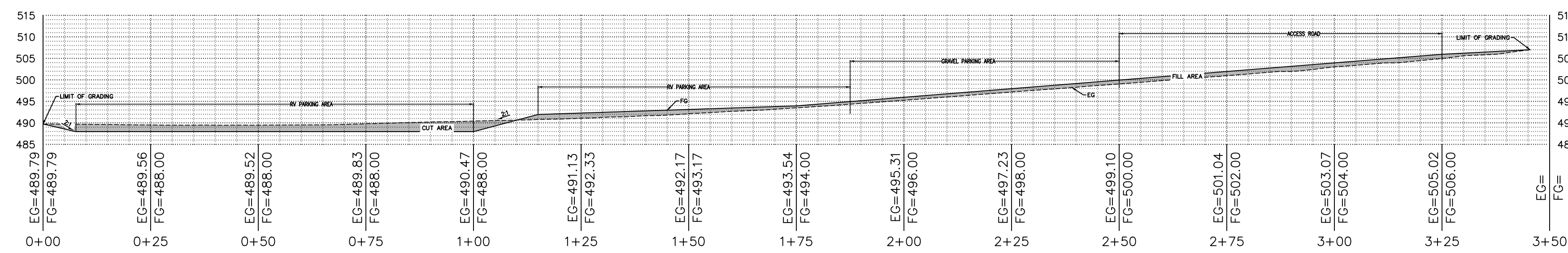
1 ANIMAL SHELTER CROSS SECTION

Scale: 1"=10'



2 RV PARKING AREA CROSS SECTION

Scale: 1"=10'

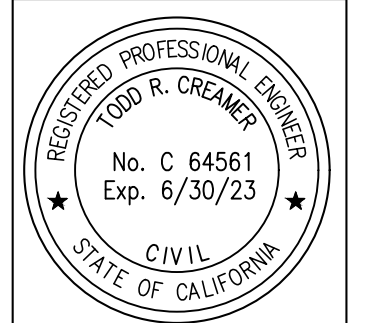


2 ANIMAL SHELTER AND RV PARKING AREA CROSS SECTION

Scale: 1"=20'

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

CUT/FILL SECTIONS

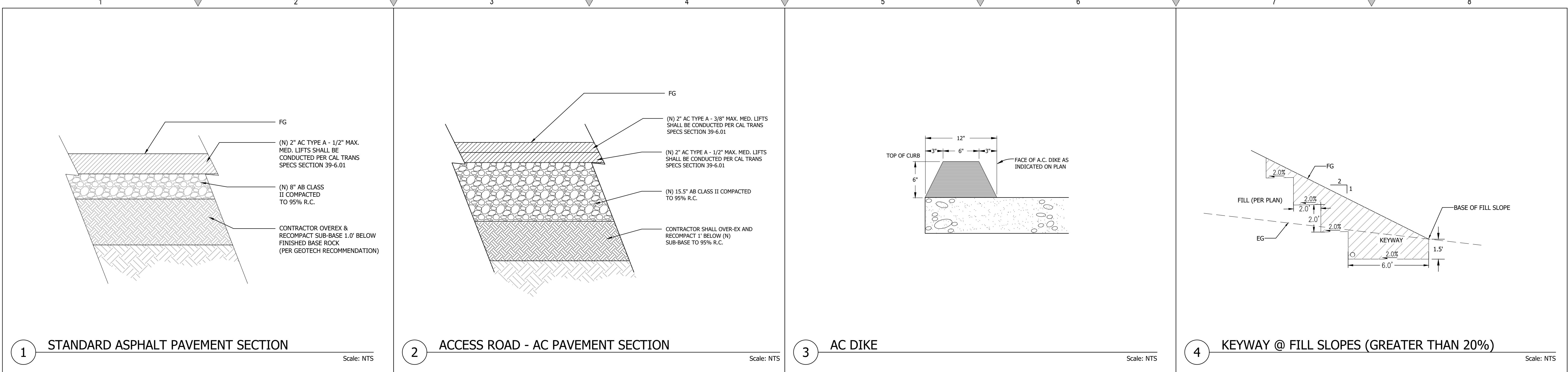


C2G CIVIL CONSULTANTS GROUP, INC.
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 Scotts Valley, CA 95066
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BARSANA RESIDENCE
 AUGUSTE COURT
 APN: 029-35-007

Date:	08/06/21
Scale:	X" = XX'
Drawn:	DD
Job:	3007.02
Sheet:	C3.3
Of	31 Sheets

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 Content: C3.3 - DETAILS
 Content: Mod Aug 10, 2022 - 10:38am
 Content: Mod Oct 26, 2022 - 11:00am
 By: Dave

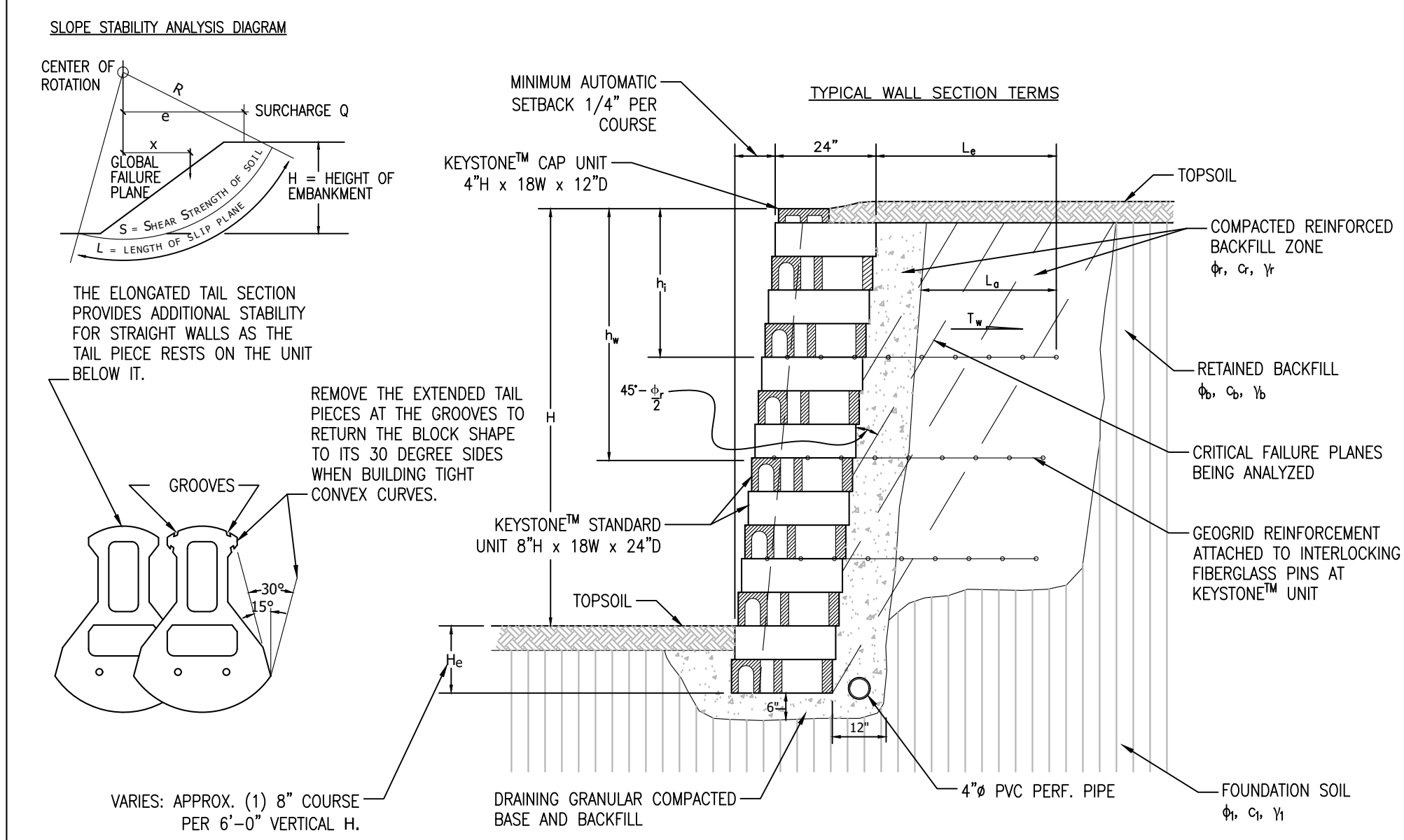


1 STANDARD ASPHALT PAVEMENT SECTION Scale: NTS

2 ACCESS ROAD - AC PAVEMENT SECTION Scale: NTS

3 AC DIKE Scale: NTS

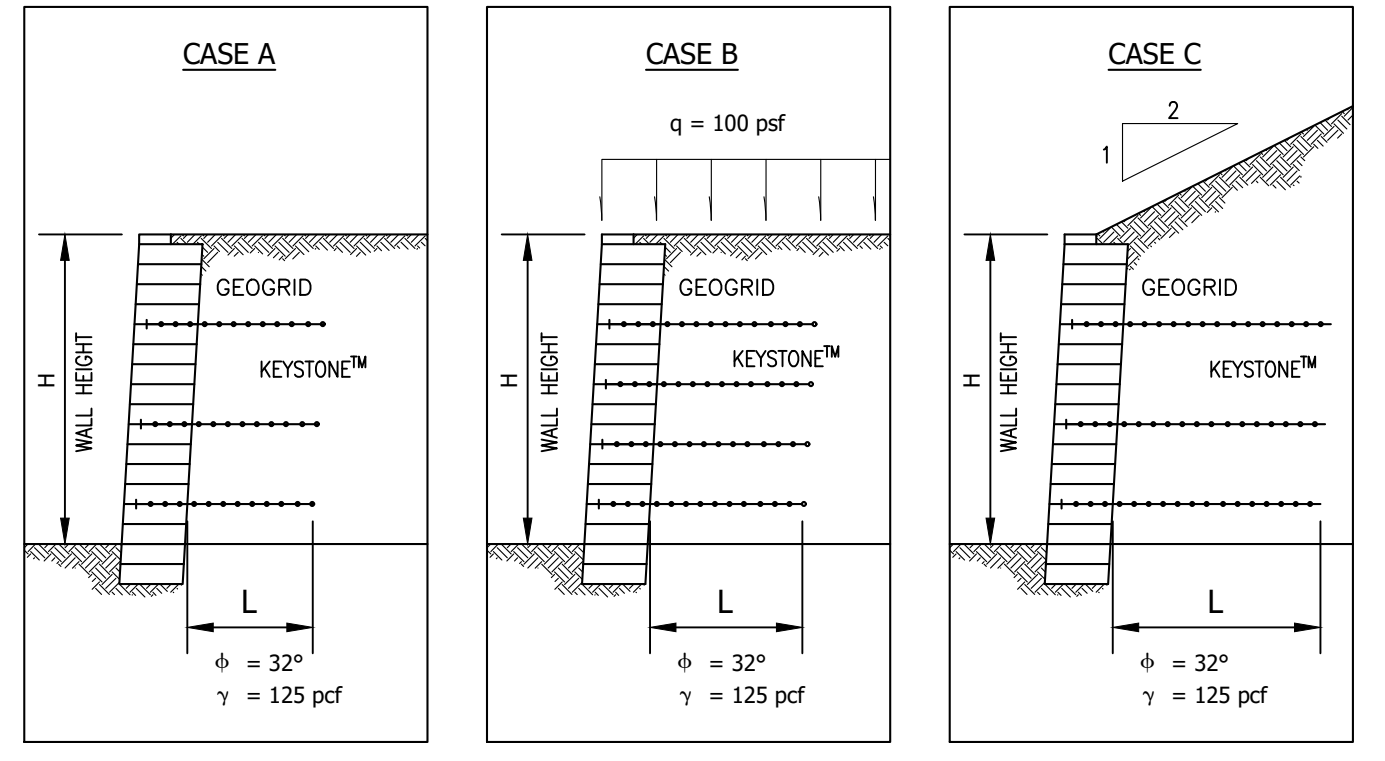
4 KEYWAY @ FILL SLOPES (GREATER THAN 20%) Scale: NTS



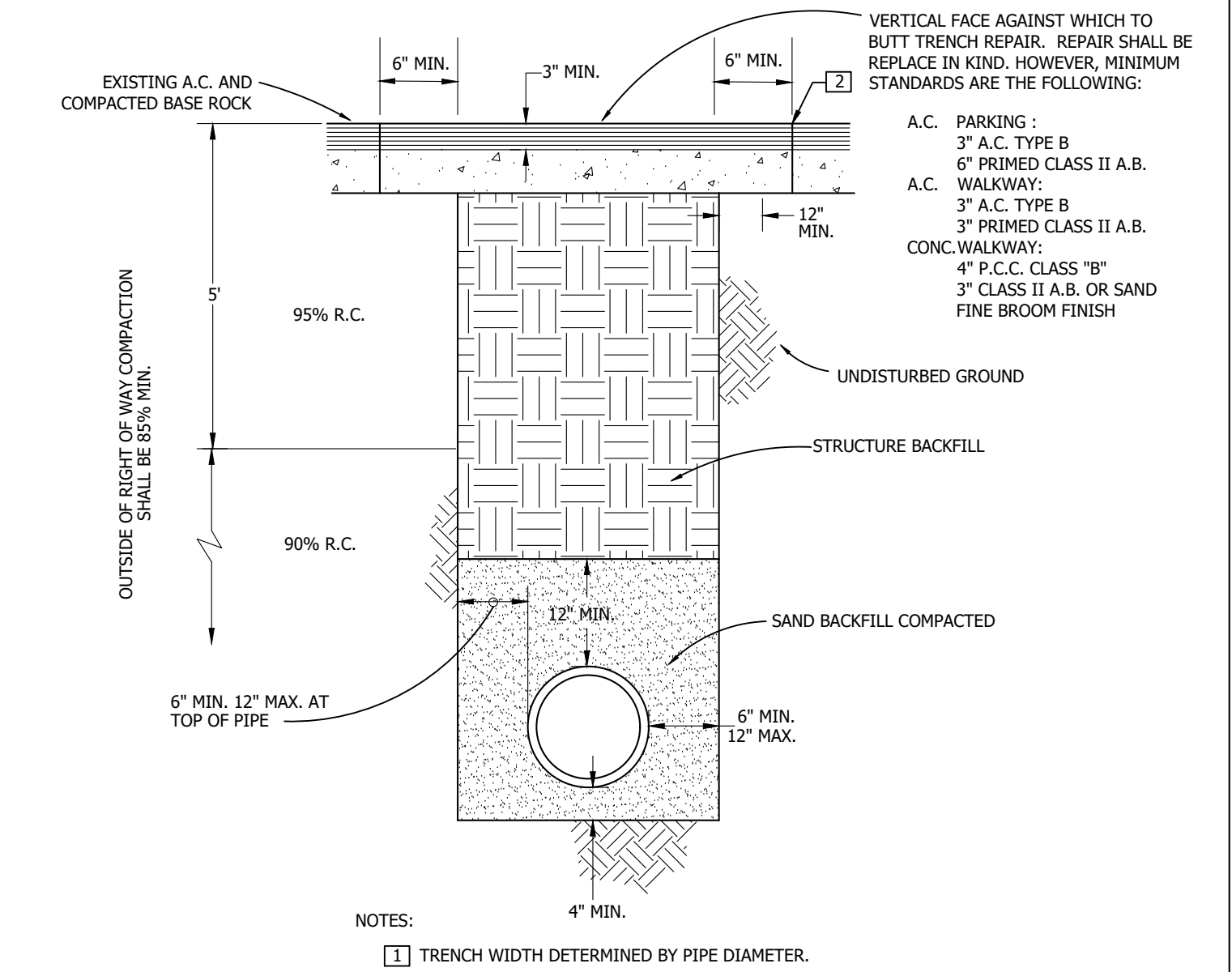
5 KEYSTONE BLOCK RETAINING WALL Scale: NTS

BASIC GEOGRID PLACEMENT CHART *

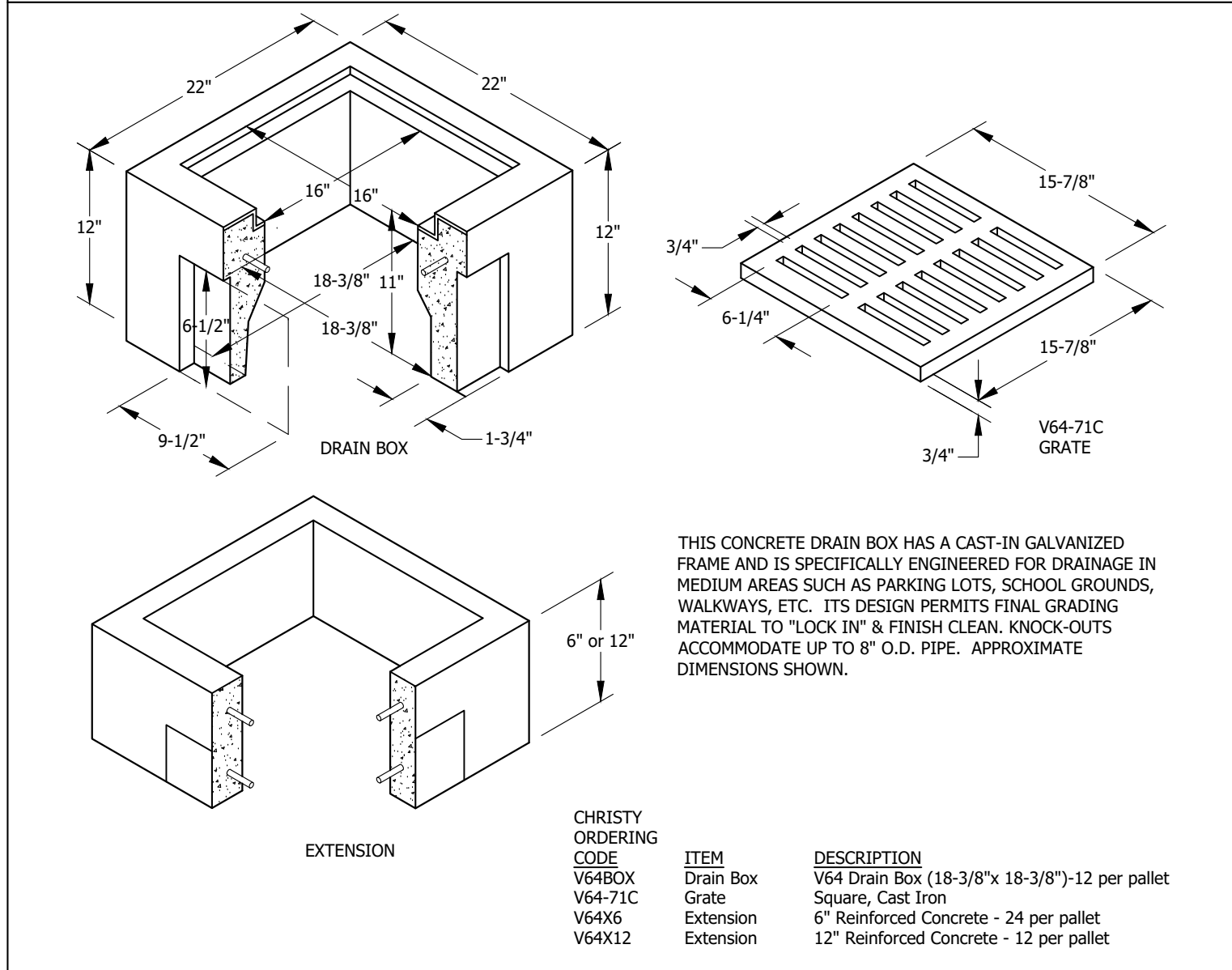
WALL HEIGHT FEET	CASE	GRID TYPE	NUMBER OF LAYERS	GEOGRID LENGTH FEET	GEOGRID LAYER NUMBER
4	A	-	-	-	1 2 3 4 5
4	B	-	-	-	
4	C	1	2.5	1.5	
5	A	-	-	-	
5	B	1	2.5	2	
5	C	2	3.7	1.3	3.3
6	A	1	2.5	2.7	
6	B	2	2.5	1.3	3.3
6	C	3	4.3	.7	2 4
7	A	2	3.0	1.3	4.0
7	B	3	3.0	1.3	2.7 4.7
7	C	3	4.9	1.3	2.7 4.7
8	A	3	3.2	1.3	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



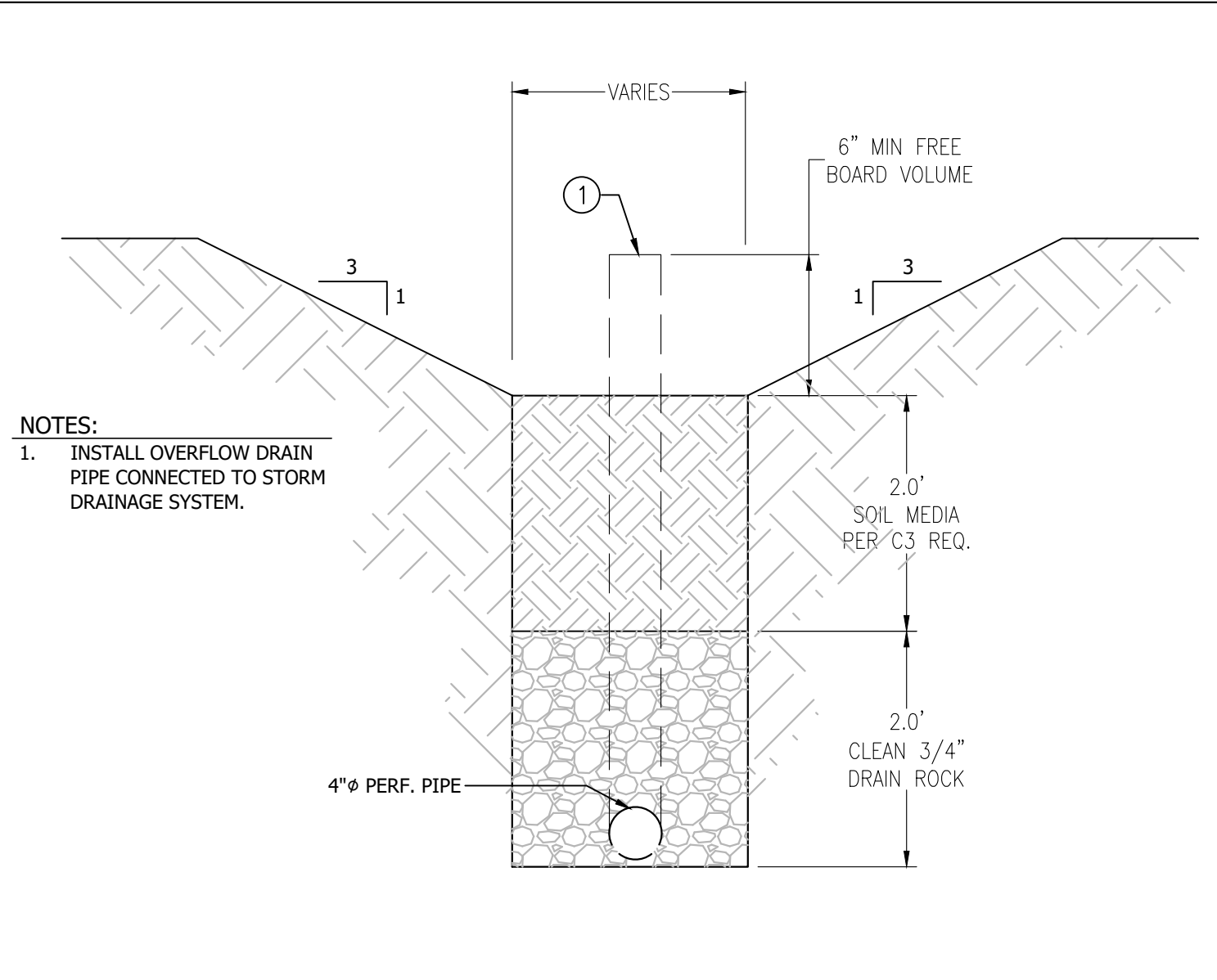
Scale: NTS



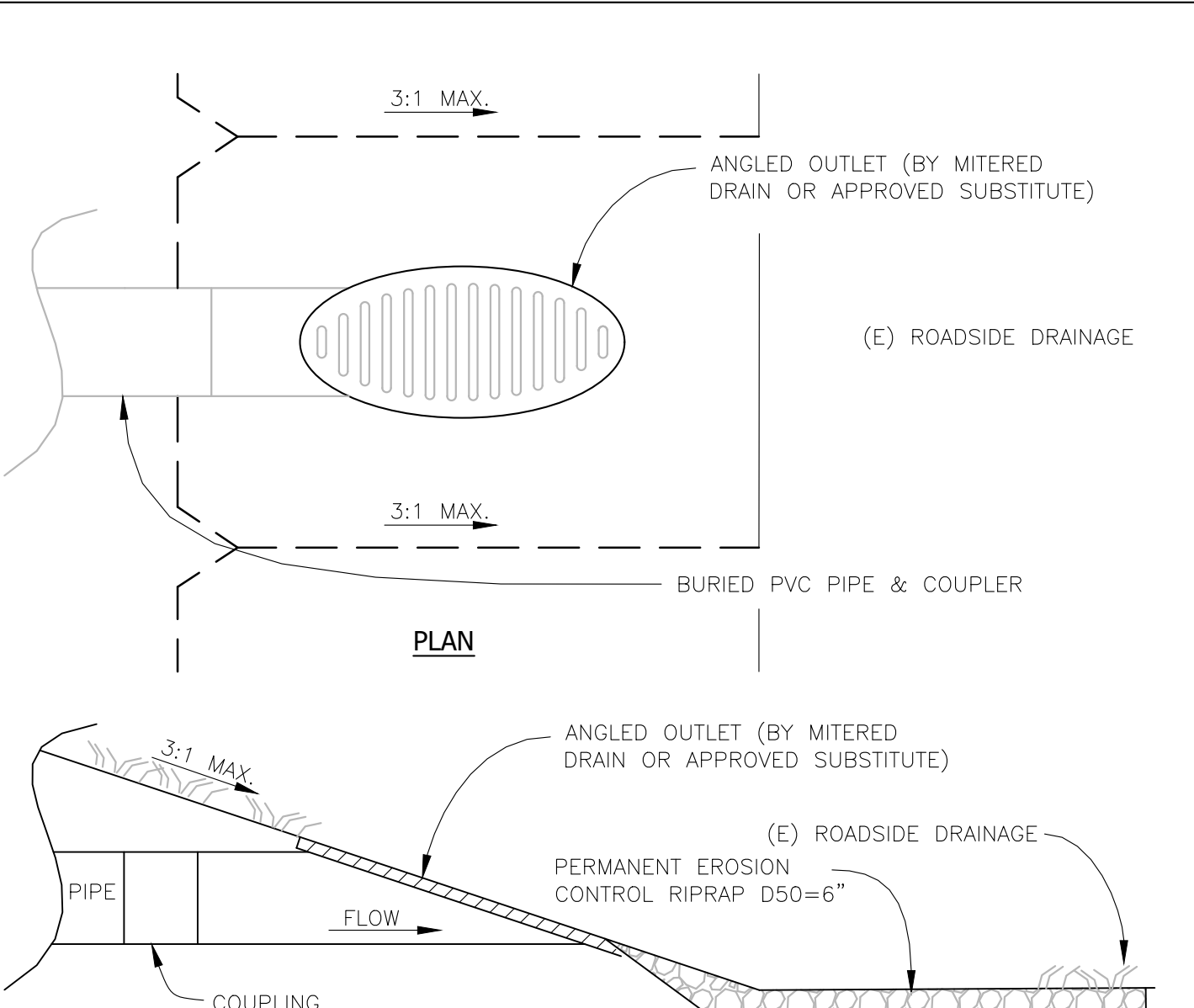
6 TRENCH INSTALLATION DETAIL Scale: NTS



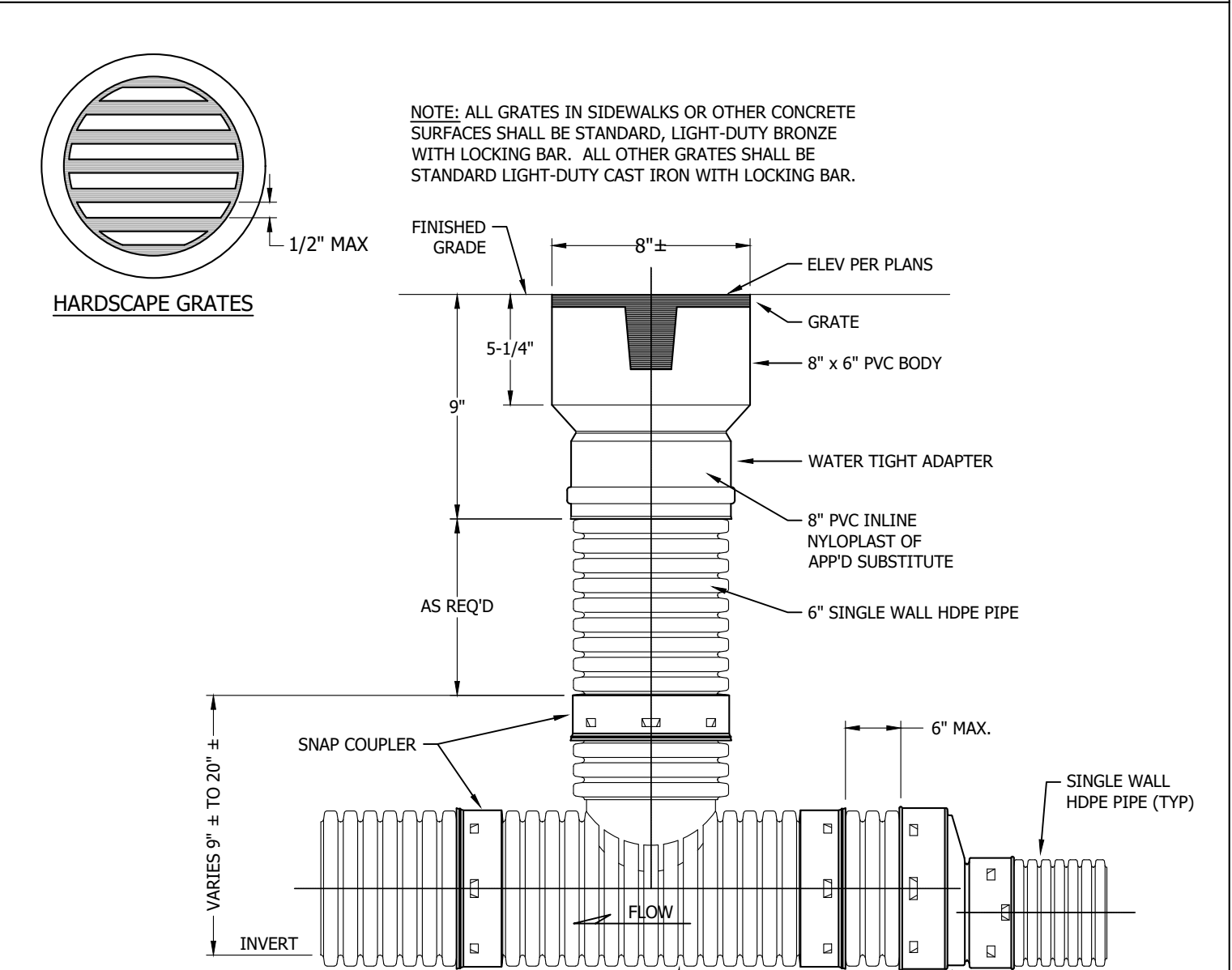
7 V64 STORM DRAIN INLET Scale: NTS



8 PRINSCO CHAMBER SECTION Scale: NTS



9 MITERED OUTLET Scale: NTS



10 8" INLINE AREA DRAIN Scale: NTS

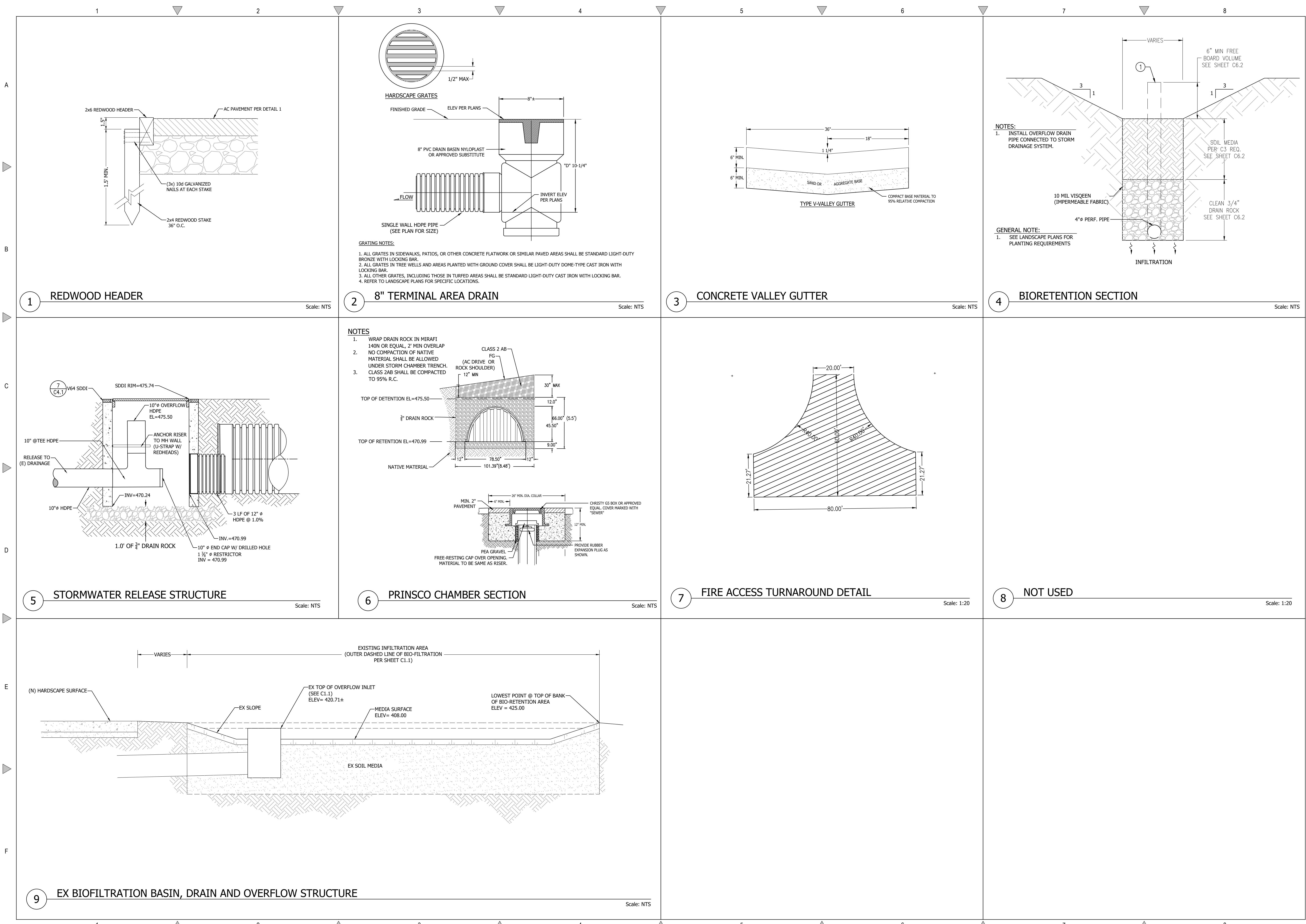
REVISIONS	BY
1 RESPONSE TO SCC COMMENTS 11/05/21	DD

DETAILS

C2G CIVIL CONSULTANTS GROUP, INC.
 Registered Professional Engineer
 No. C 64561
 Exp. 6/30/23
 CIVIL
 STATE OF CALIFORNIA

BARSANA RESIDENCE
 AUGUSTE COURT
 APN: 029-35-007

Date: 08/06/21
 Scale: NTS
 Drawn: DD
 Job: 3007.02
 Sheet: **C4.1**
 of 31 Sheets



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

DETAILS

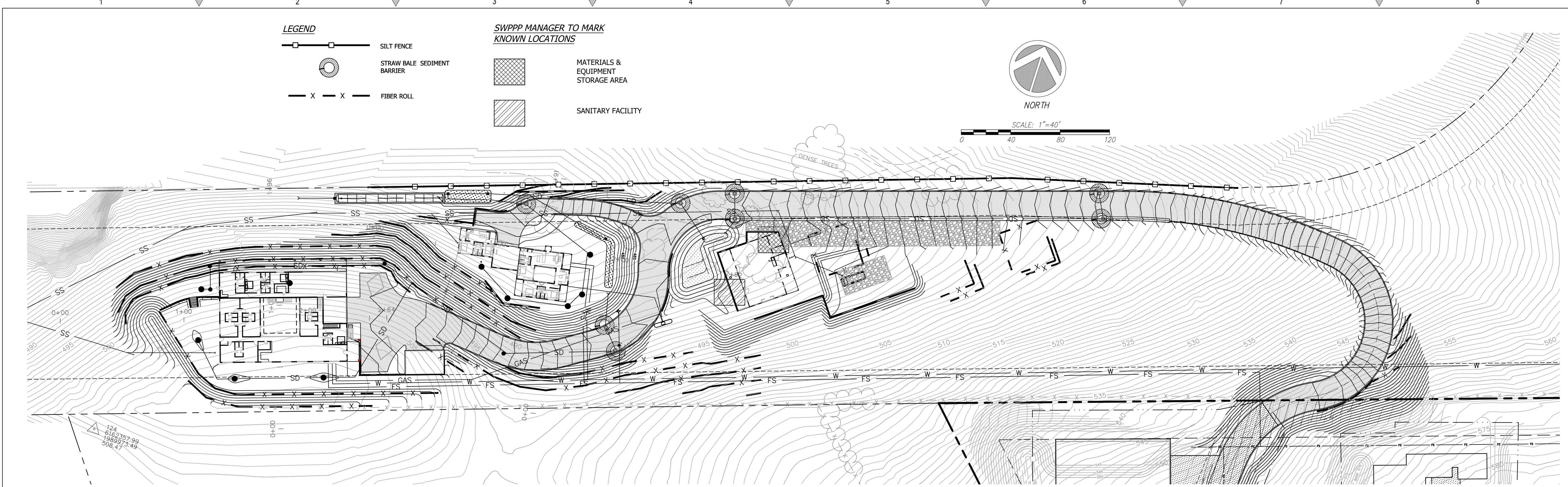


C2G CIVIL CONSULTANTS GROUP, INC.
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BARSANA RESIDENCE
AUGUSTE COURT
APN: 029-35-007

Date:	08/06/21
Scale:	NTS
Drawn:	DD
Job:	3007.02
Sheet:	C4.2
Of	31 Sheets

Drawing: Z:\Shared\CAD\3007.02 - BAR - Barsana Residence\3D\Design\CAD\Sheet\3007.02 - C4.2 - DETAILS.dwg | Layout: C4.2 | Date: 08/06/21 | Time: 11:56am | User: dd | Plot: 08/06/21 11:56am | Plot Device: HP DesignJet T1100ps | Plot Size: 11.69in x 17.31in



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

EROSION CONTROL

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

C2G CIVIL CONSULTANTS GROUP, INC.
 Engineers/Planners
 4400 Sycamore Drive
 Scotts Valley, CA 95066
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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:	C5.1
of	31 Sheets

LEGEND

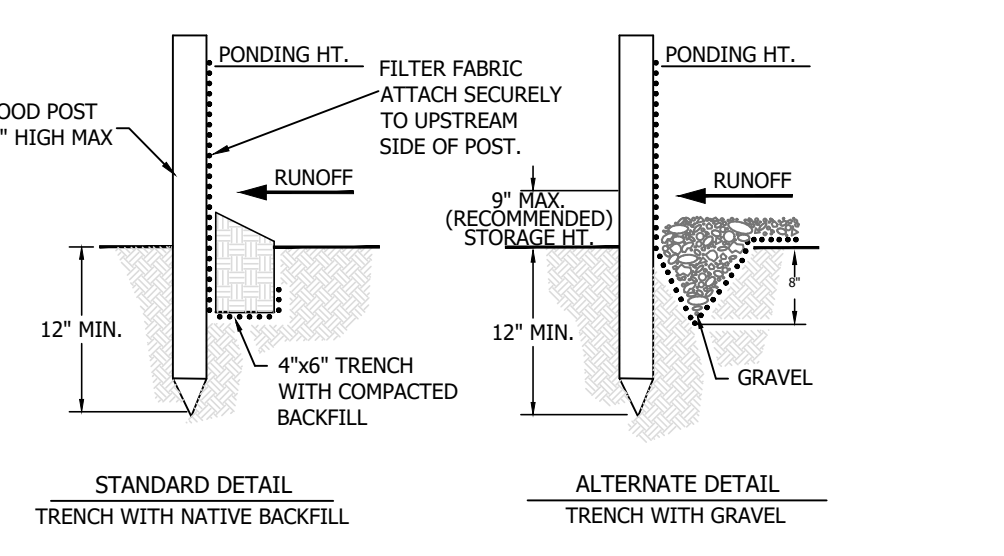
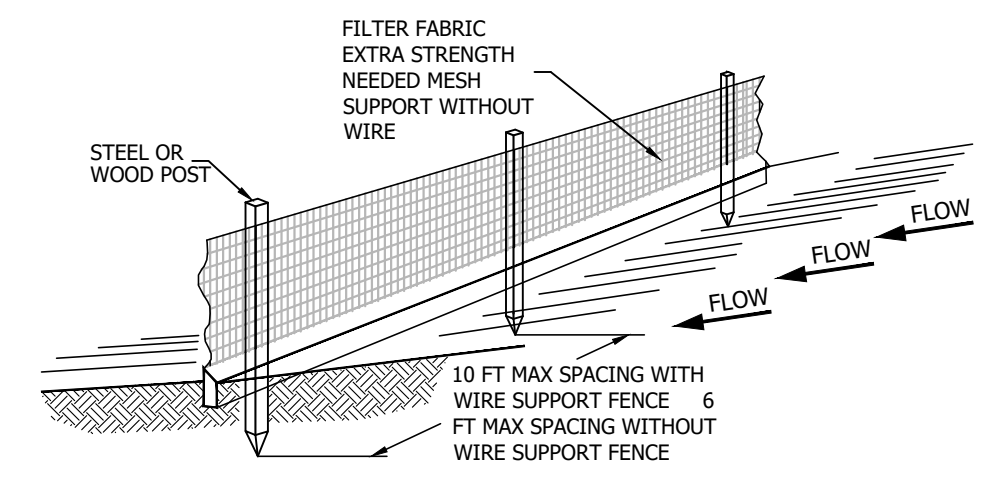
- SILT FENCE
- STRAW BALE SEDIMENT BARRIER
- FIBER ROLL
- MATERIALS & EQUIPMENT STORAGE AREA
- SANITARY FACILITY

SWPPP MANAGER TO MARK KNOWN LOCATIONS

- MATERIALS & EQUIPMENT STORAGE AREA
- SANITARY FACILITY



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



1 SILT FENCE Scale: NTS

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 UP HILL.

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, THE 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.

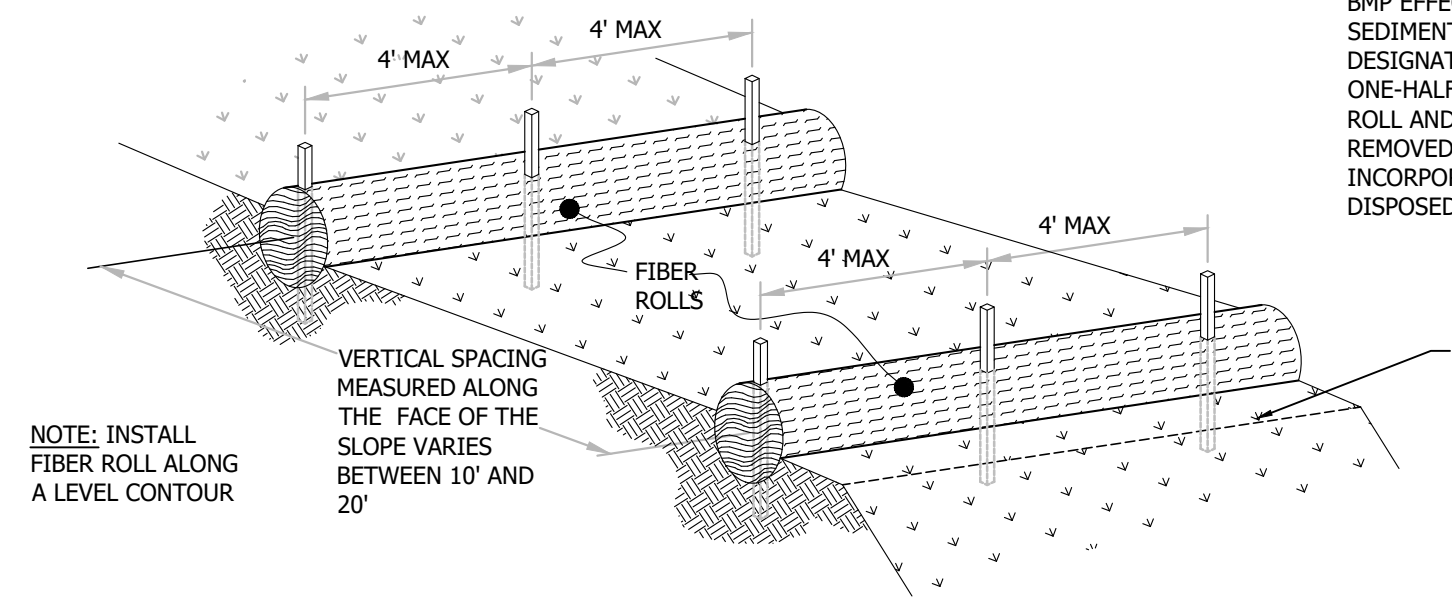
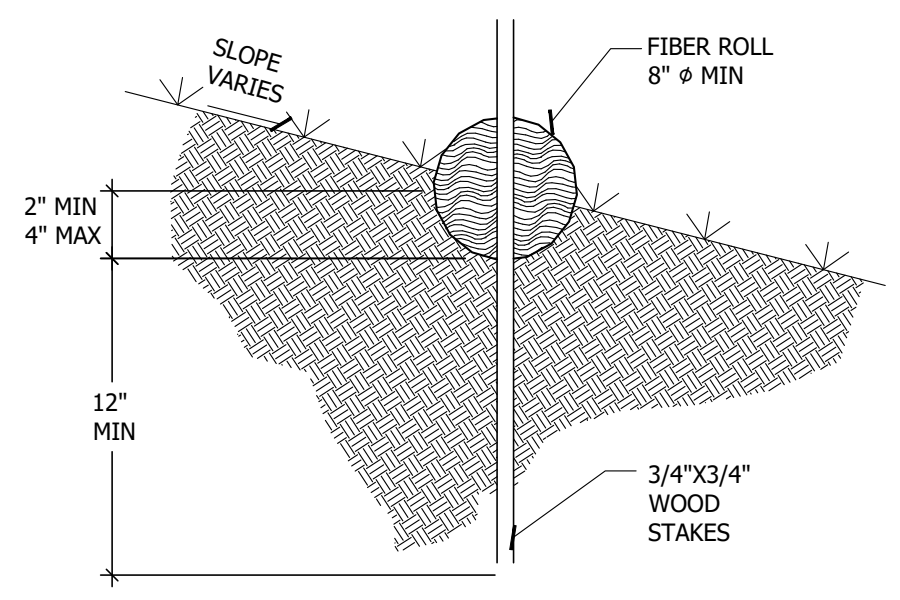
SILT FENCES PLACED AT THE TOE OF A SLOPE SHALL BE SET AT LEAST 6 FEET FROM THE TOE IN ORDER TO INCREASE PONDING VOLUME.

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.



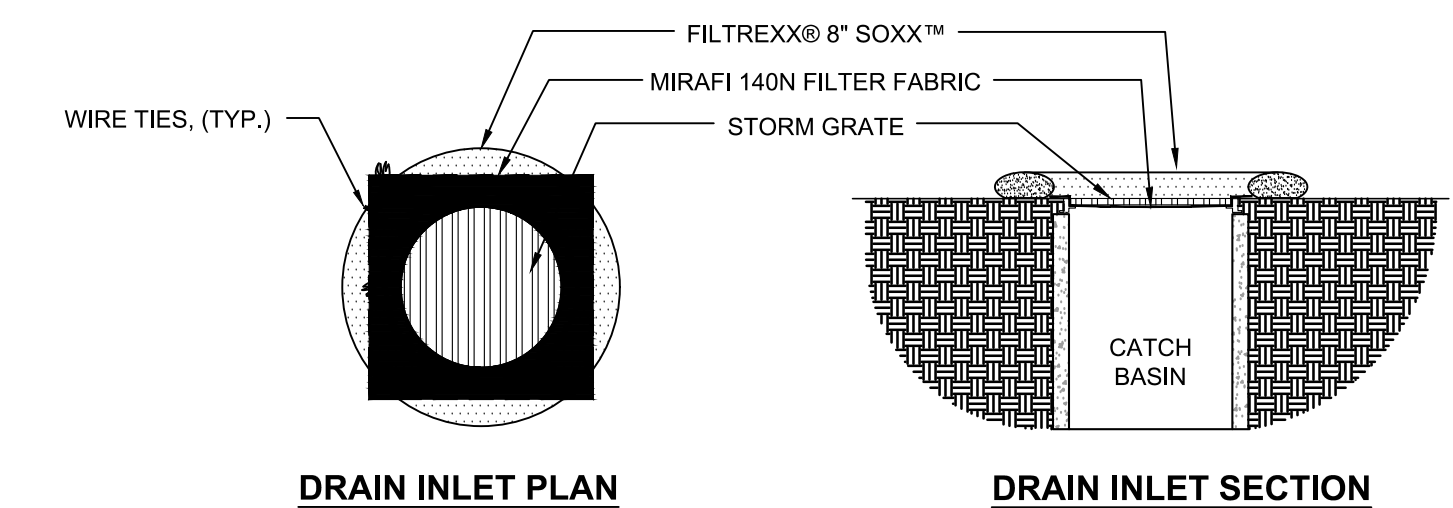
2 FIBER ROLLS Scale: NTS

CONSTRUCTION SPECIFICATIONS

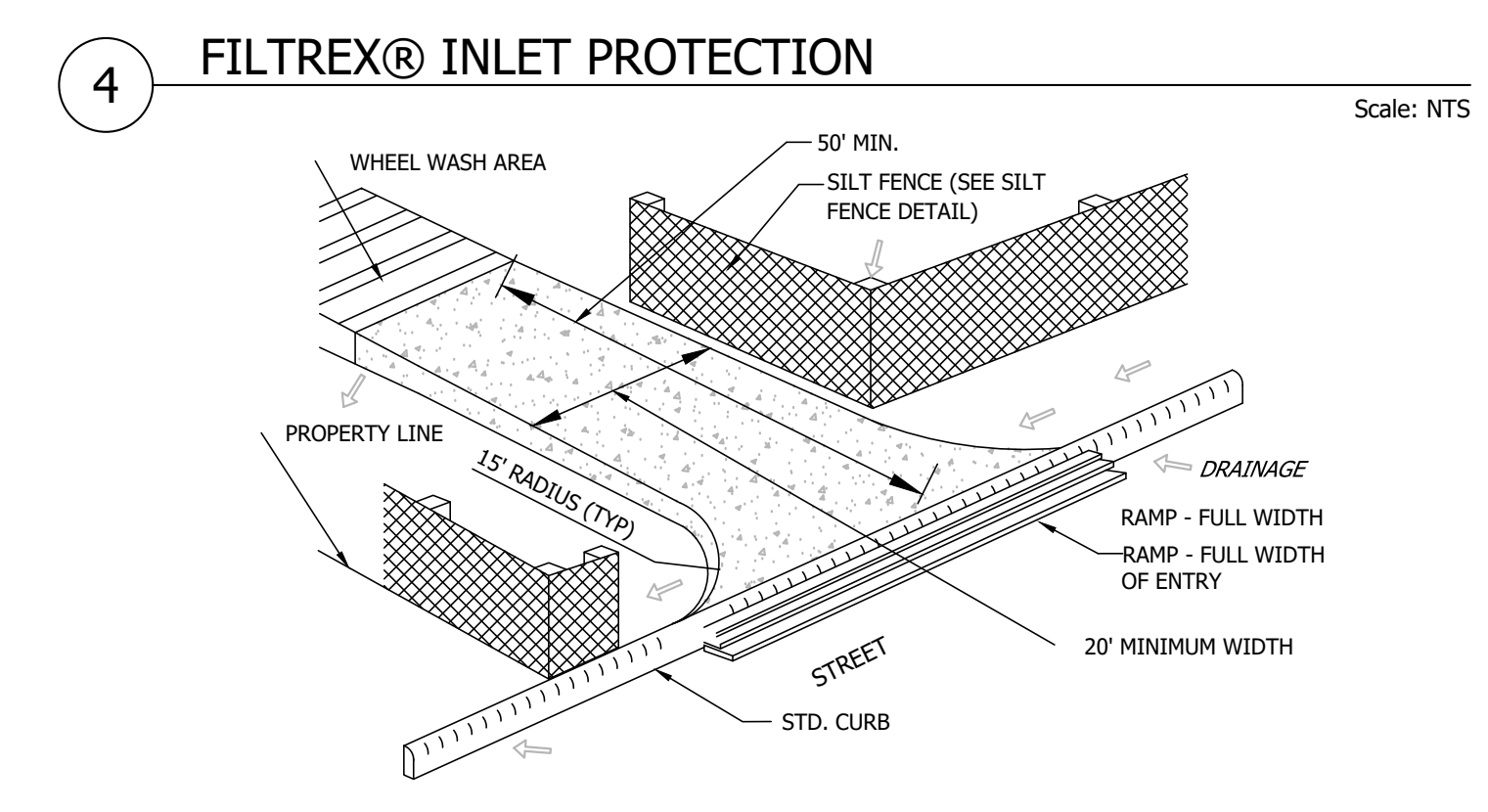
LOCATE FIBER ROLLS ON LEVEL CONTOURS SPACED AS FOLLOWS:

- 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.

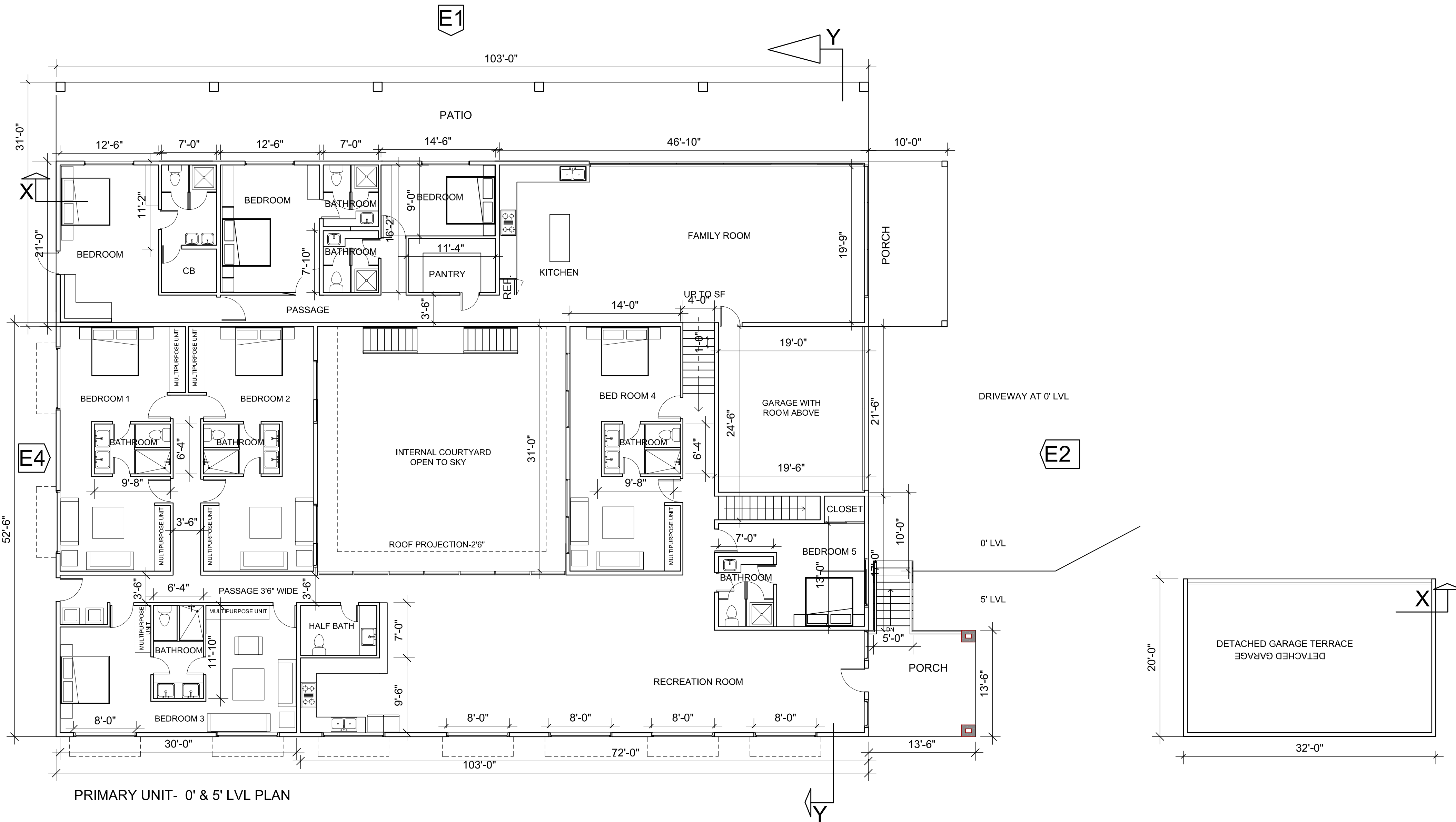
IF THE FIBER ROLL IS USED AS A SEDIMENT CAPTURE DEVICE, OR AS AN EROSION CONTROL DEVICE TO MAINTAIN SHEET FLOWS, SEDIMENT THAT ACCUMULATES IN THE BMP MUST BE PERIODICALLY REMOVED IN ORDER TO MAINTAIN BMP EFFECTIVENESS. SEDIMENT SHOULD BE REMOVED WHEN SEDIMENT ACCUMULATION REACHES ONE-HALF THE DESIGNATED 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.



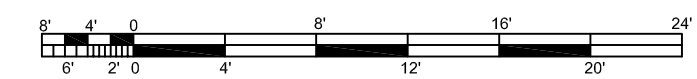
- NOTES:**
- ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
 - FILTER MEDIA™ FILL TO MEET APPLICATION REQUIREMENTS.
 - COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.
 - CONTRACTOR SHALL EXTEND MIRAFI 140N FABRIC 6" BEYOND CATCH BASIN AFTER PLACEMENT OF GRATE
 - CONTRACTOR SHALL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



3 ROCKED CONSTRUCTION ENTRANCE Scale: NTS



PRIMARY UNIT- 0' & 5' LVL PLAN



BARSANA
1 AUGUSTE CT, MILPITAS, CA 95035

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

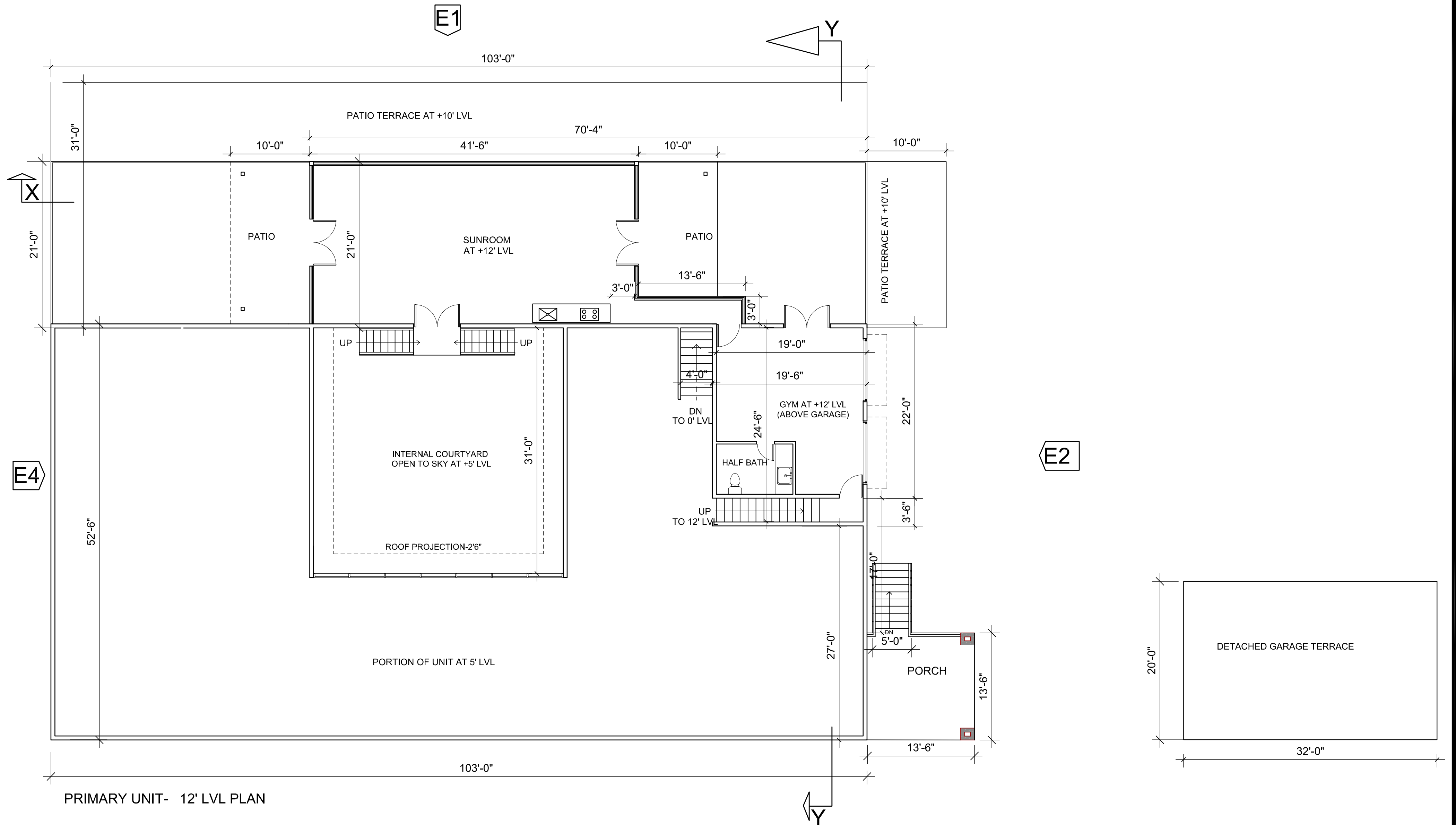
DRAWN BY:
NEHA

DATE: 07-02-2021
SCALE: 1:100

LOCATION:
APN 029-35-007

SUBJECT:
PRIMARY RESIDENCE
0' AND 5' LVL PLAN

DRAWING NO. :
P01



PRIMARY UNIT- 12' LVL PLAN

BARSANA
1 AUGUSTE CT, MILPITAS, CA 95035

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

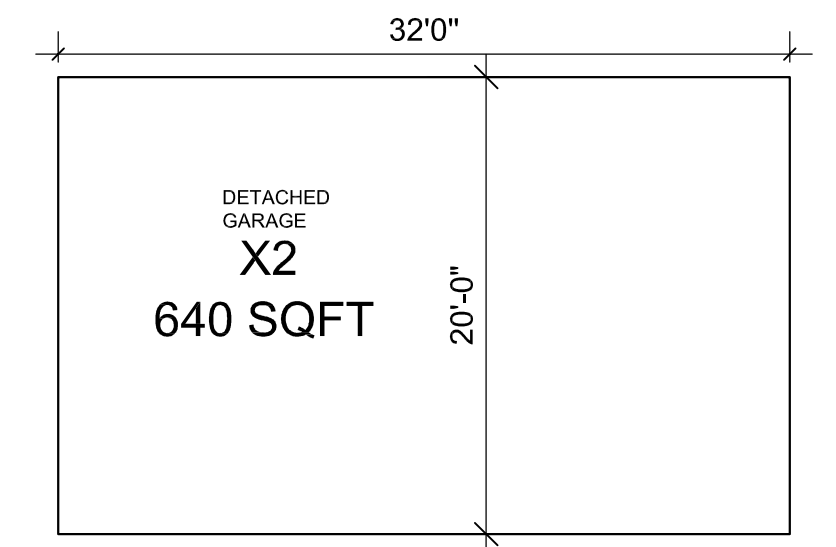
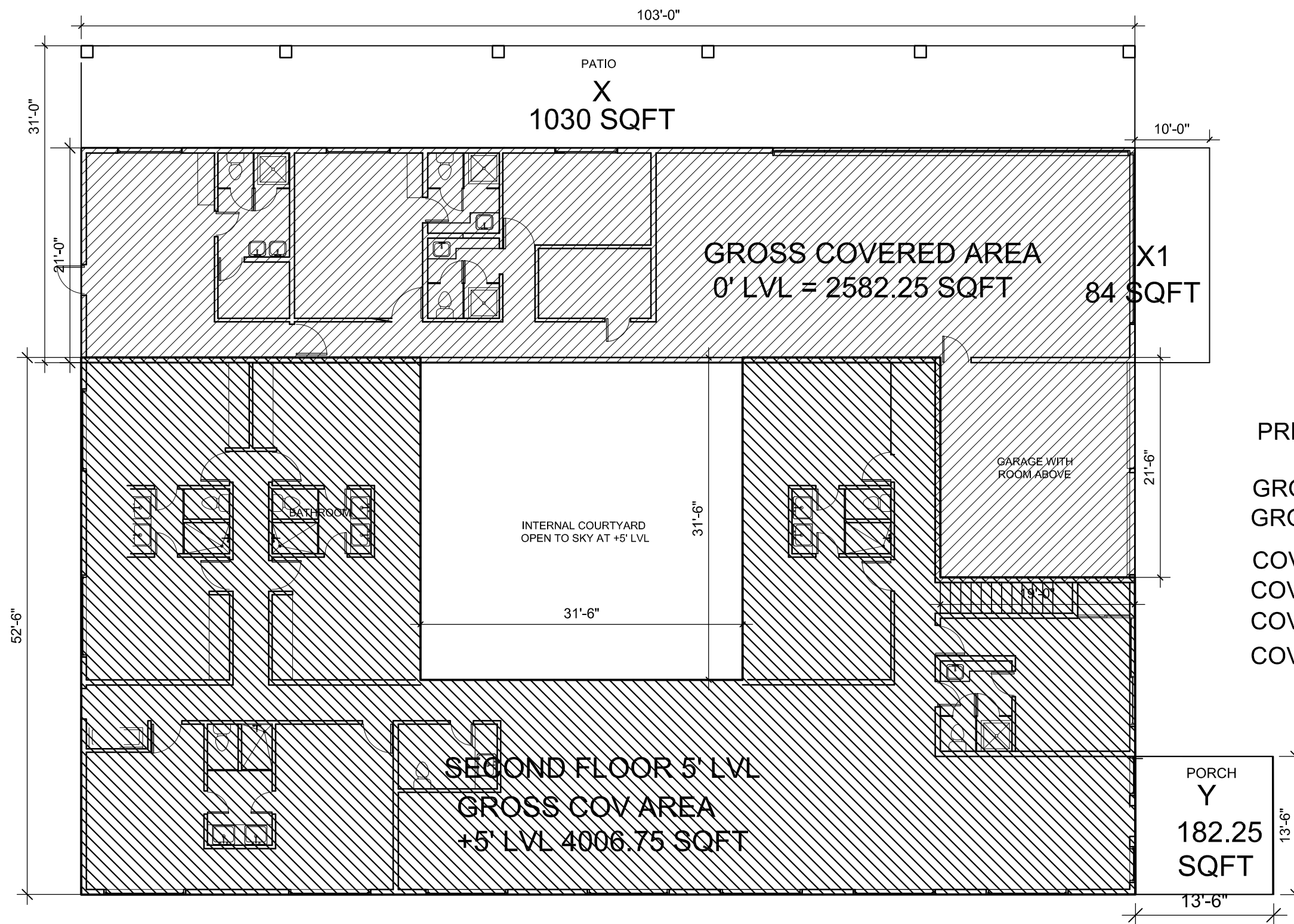
DRAWN BY:
NEHA

DATE: 07-02- 2021
SCALE: 1:100

LOCATION:
APN 029-35-007

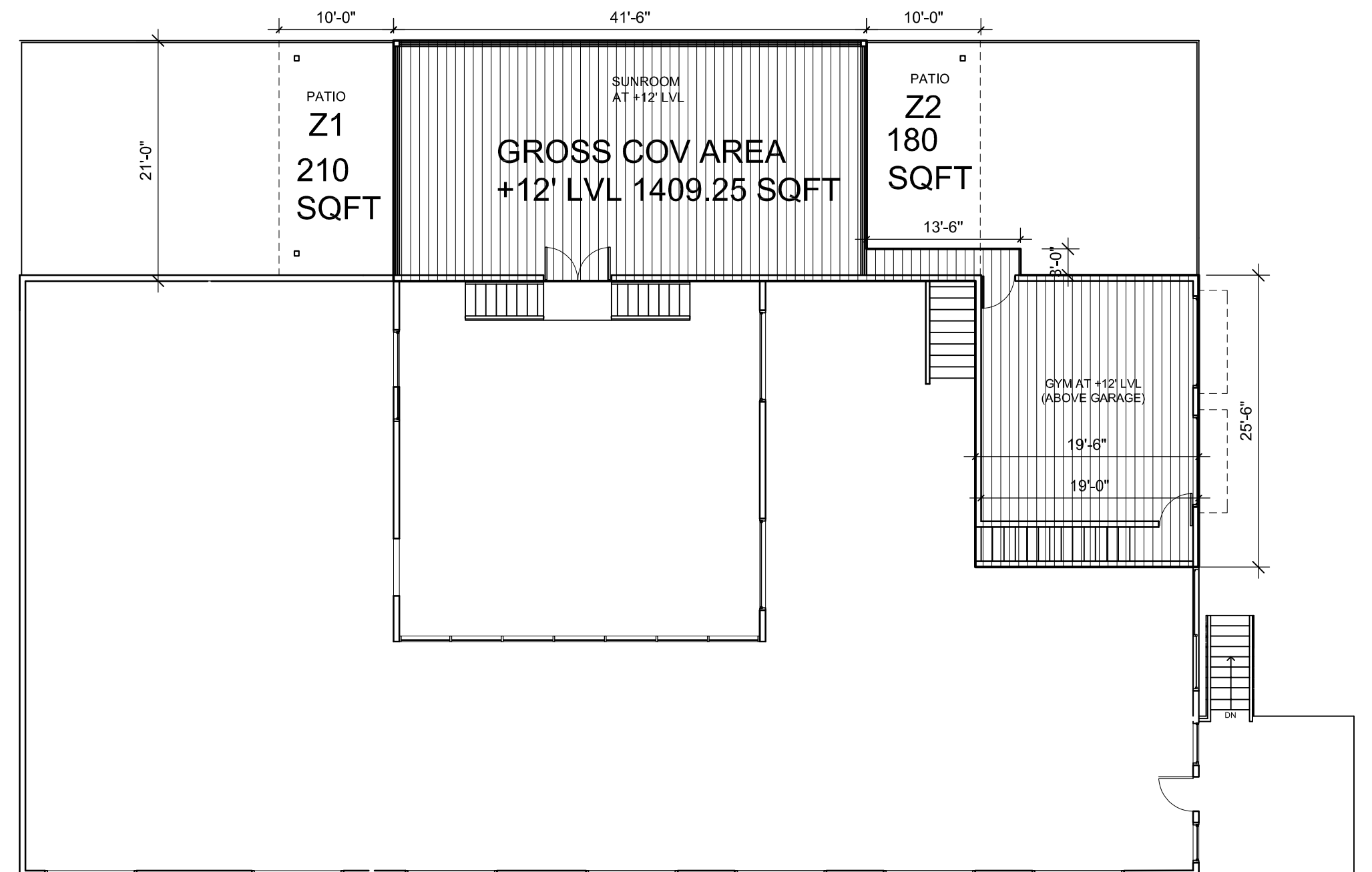
SUBJECT:
PRIMARY RESIDENCE
12' LVL PLAN

DRAWING NO. :
P02

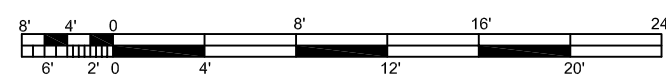


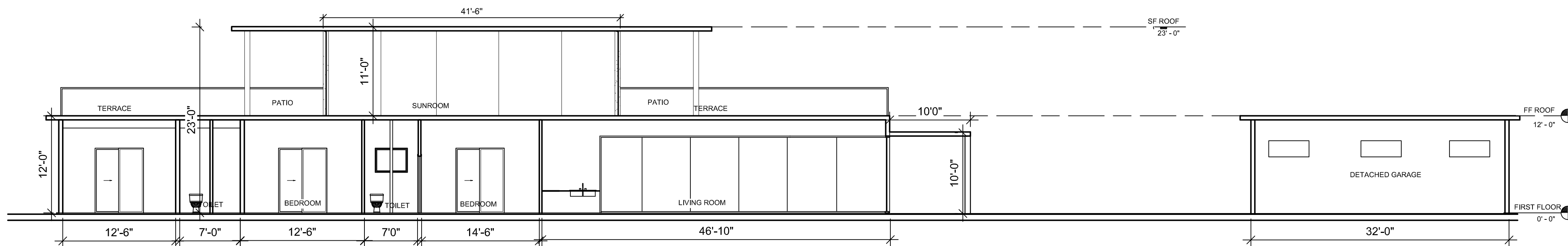
PRIMARY RESIDENCE- AREA ANALYSIS OF 12' LVL PLAN

GROSS AREA OF +12' LVL PLAN =1409.25 SQFT
 COVERED AREA OF PATIO Z1= 210 SQFT
 COVERED AREA OF PATIO Z2= 180 SQFT

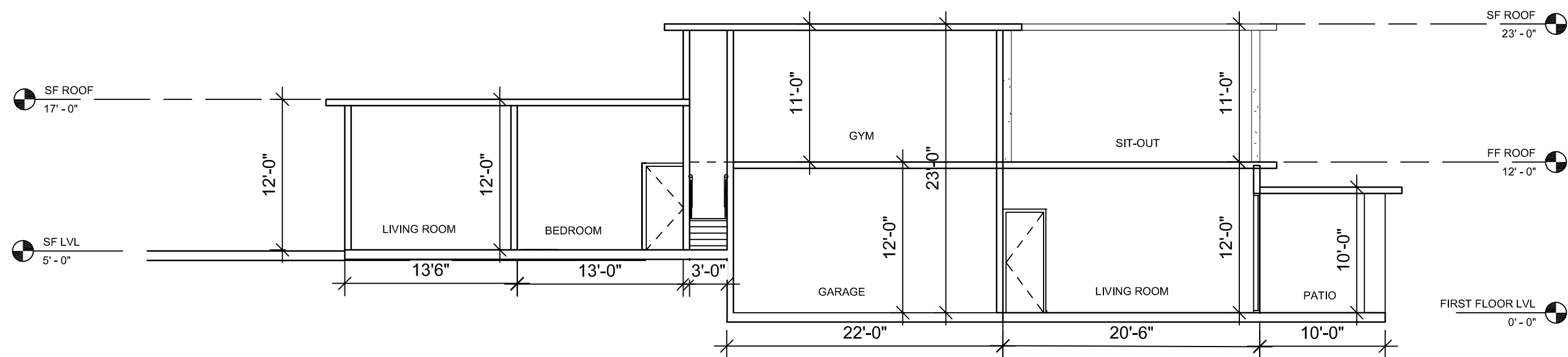


AREA TABULATION		
LVL	BUILDING PORTION	GROSS AREA
0'	ENTERTAINMENT RM,BED ROOM,KITCHEN,TOILET,PANTRY	2582.25 SQFT
5'	RECREATION RM,BED ROOMS,TOILET,STAIRS	4006.75 SQFT
12'	GYMNASIUM,SUNROOM	1409.25 SQFT
		7998.25 SQFT

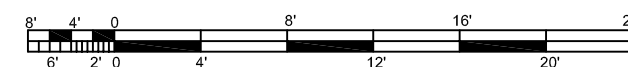




SECTION : X-X



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:
PRIMARY RESIDENCE
SECTIONS

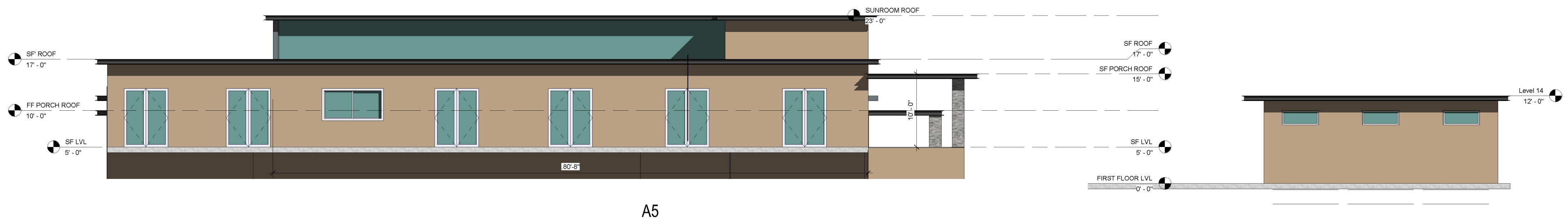
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P04



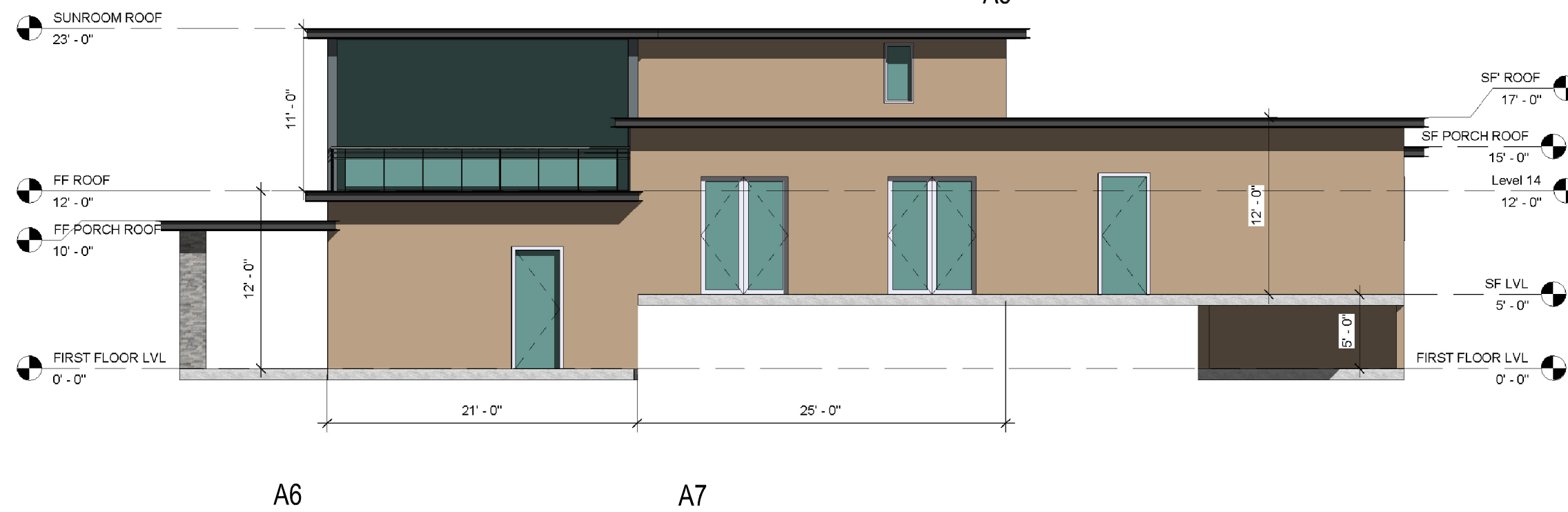
ELEVATION E1



ELEVATION E2

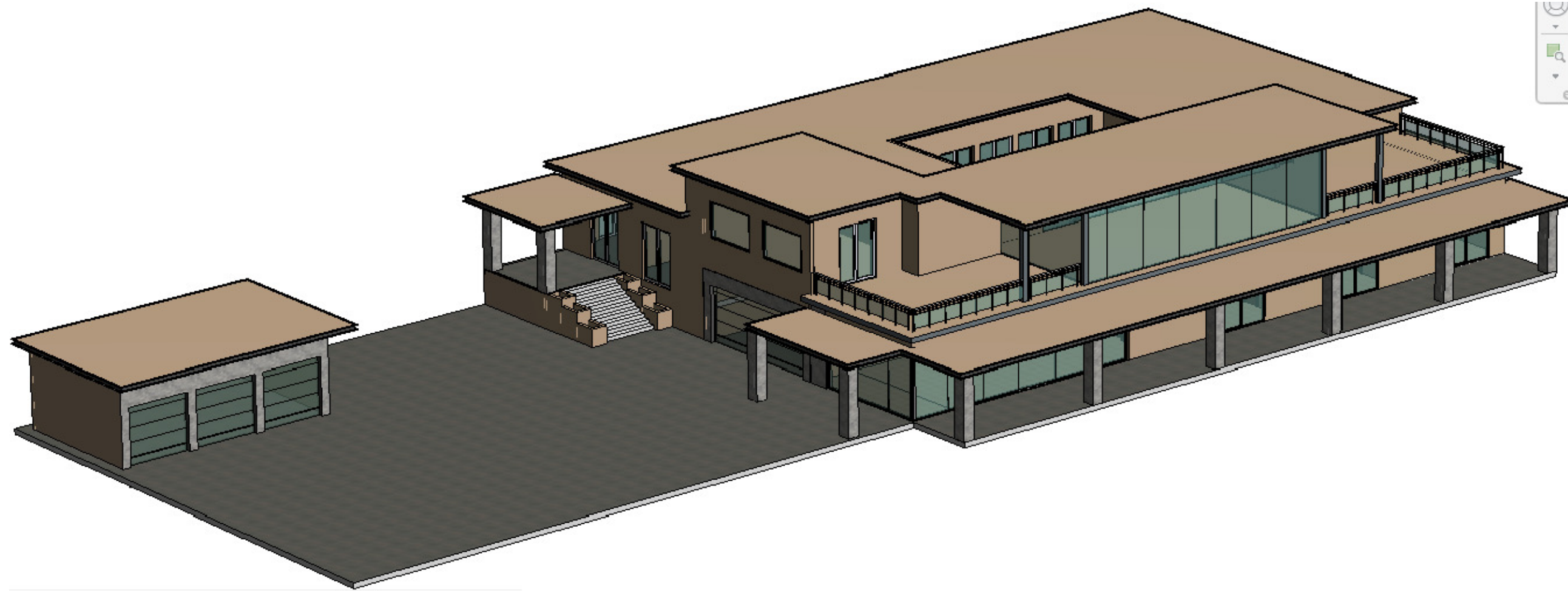


ELEVATION E3

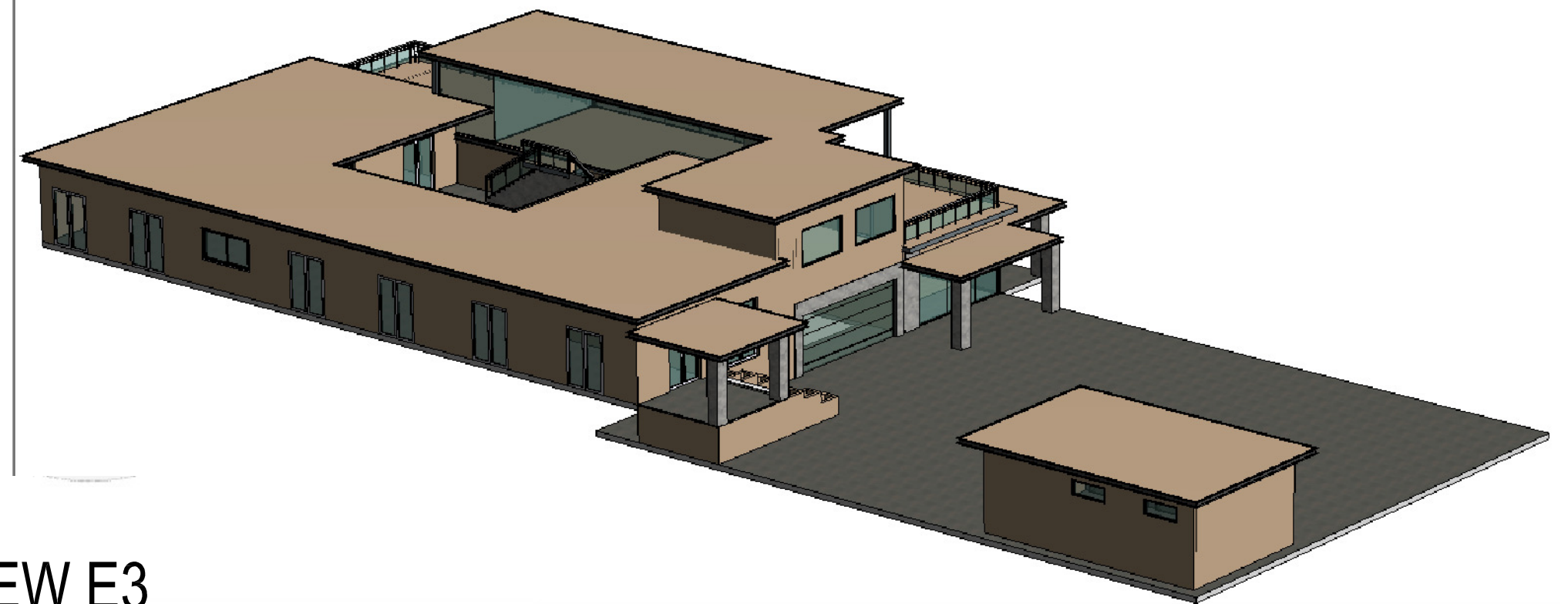
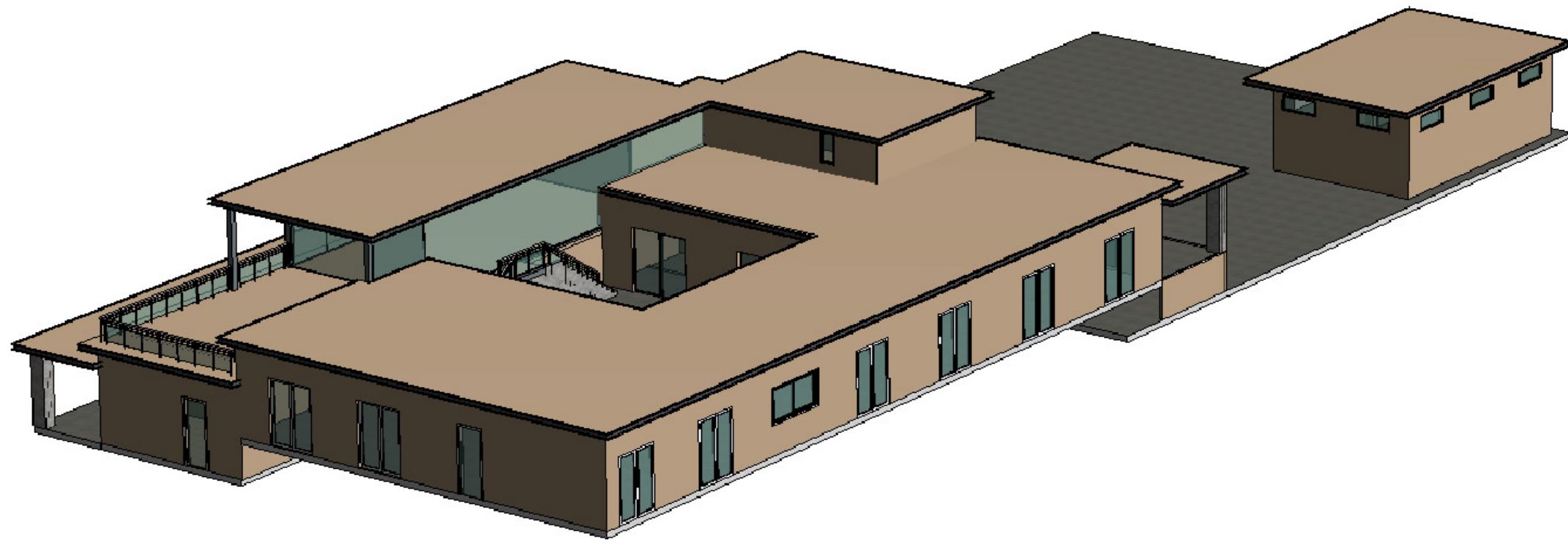


ELEVATION E4

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)

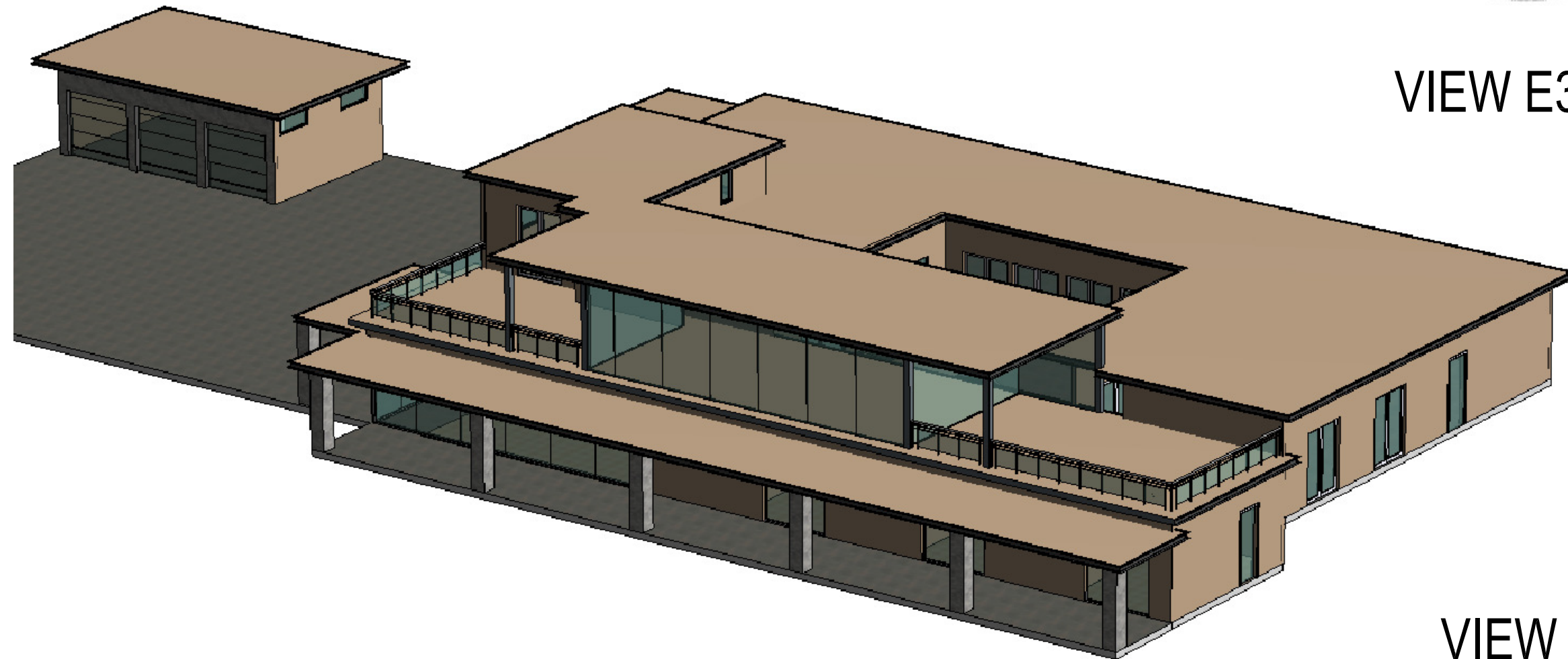


VIEW E1



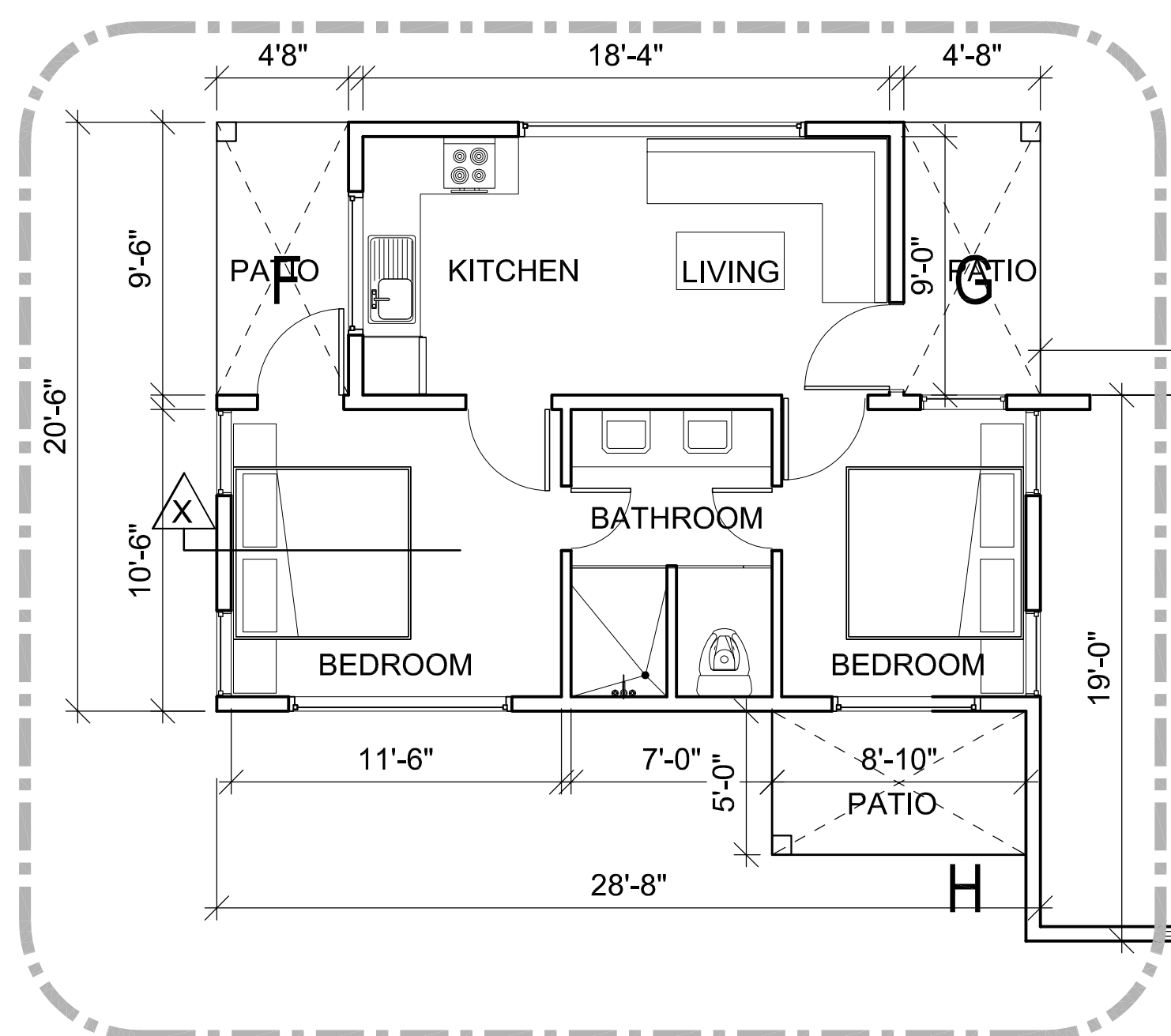
VIEW E3

VIEW E2



VIEW E4

COLOR AND MATERIAL PALETTE				
WALL CLADDING	METAL ROOFING, GUTTER, EAVES	ENTRANCE WALL	GARAGE DOOR	DOOR, WINDOW, FRAME, TRIMS
PALM DESERT TAN (LRV 43.07)	WOLF GREY (LRV 19.89)	MSI ALASKA GREY (LRV 44.42)	WOOD FINISH (LRV 35.71)	WHITE (LRV 99.2)



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

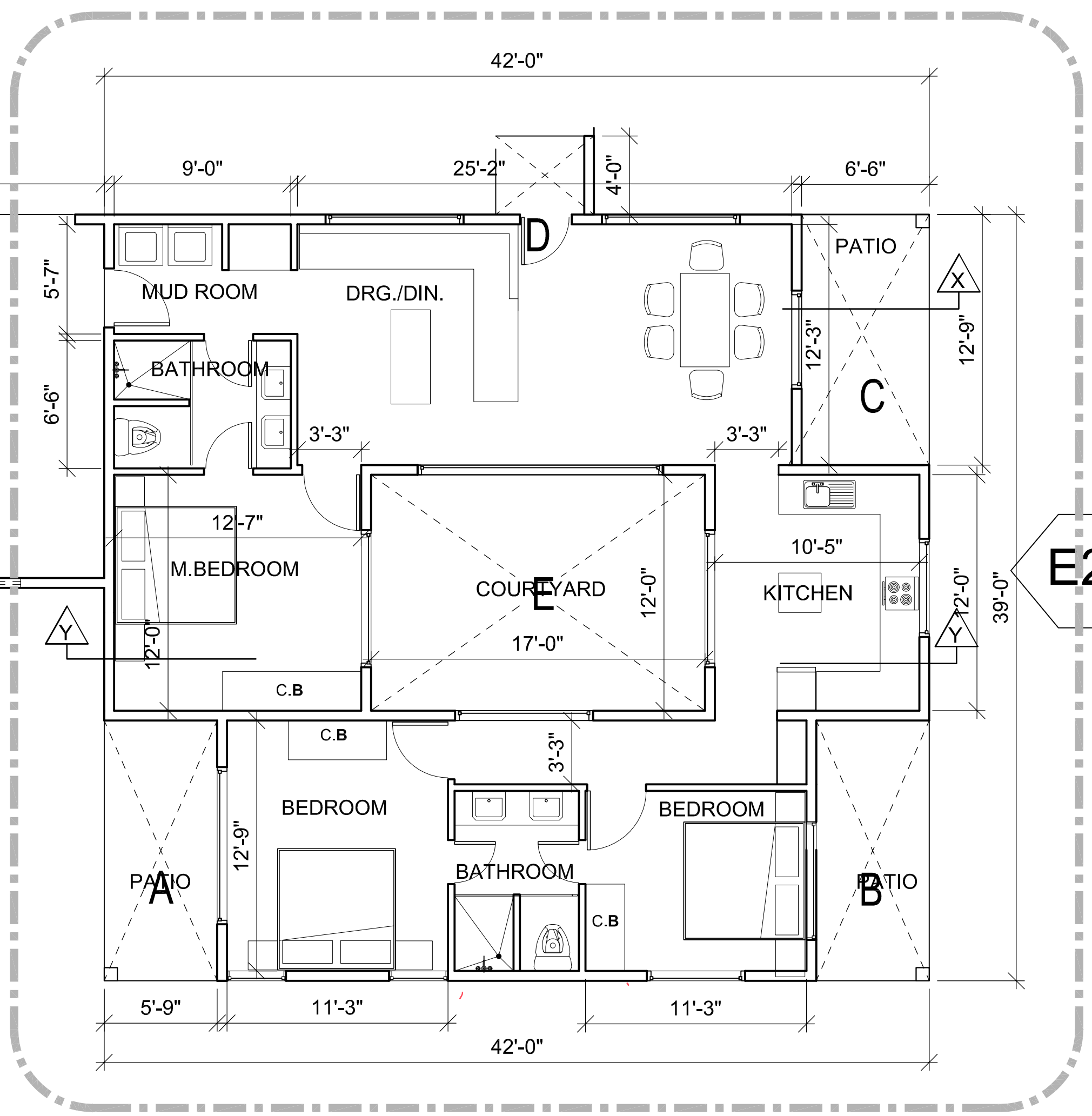
COVERED & PARTIALLY ENCLOSED AREA CALCULATIONS			
ID		size	Area (SQFT)
A	ADU	5'9" x 13'3"	76.188
B	ADU	5'9" x 13'3"	76.188
C	ADU	6'6"x12'9"	82.875
D	ADU	5'0" x 4'0"	20.00
TOTAL ADU			255.251 SQFT
F	JADU	4'8" x 9'6"	44.33
G	JADU	4'8" x 9'6"	44.33
H	JADU	8'10"x5'0"	44.17
TOTAL JADU			132.83 SQFT
TOTAL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

J		GARAGE AREA= 21'0" x 19'0"	399 SQFT
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E1

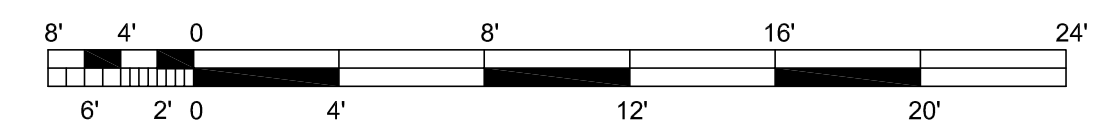
E4

E3



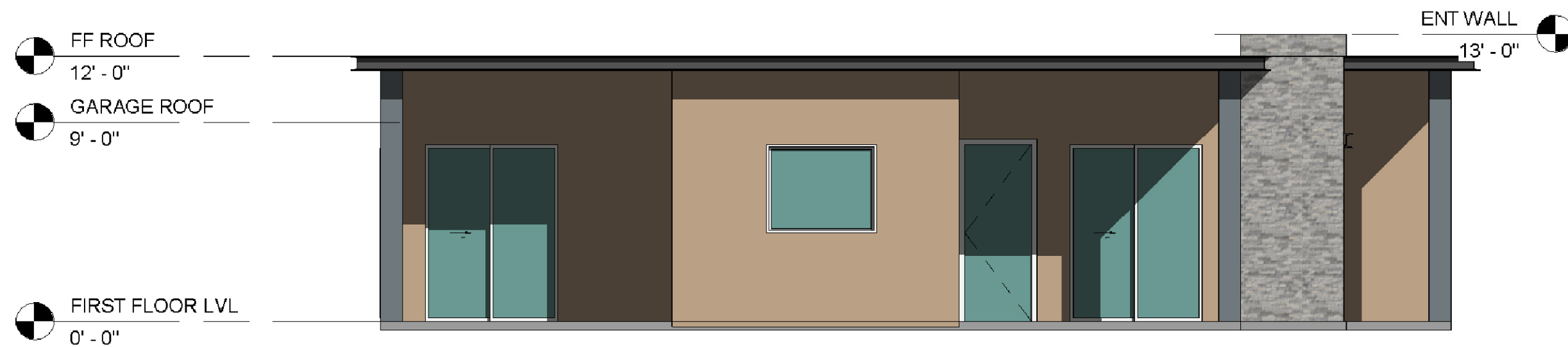
ADU UNIT

E2

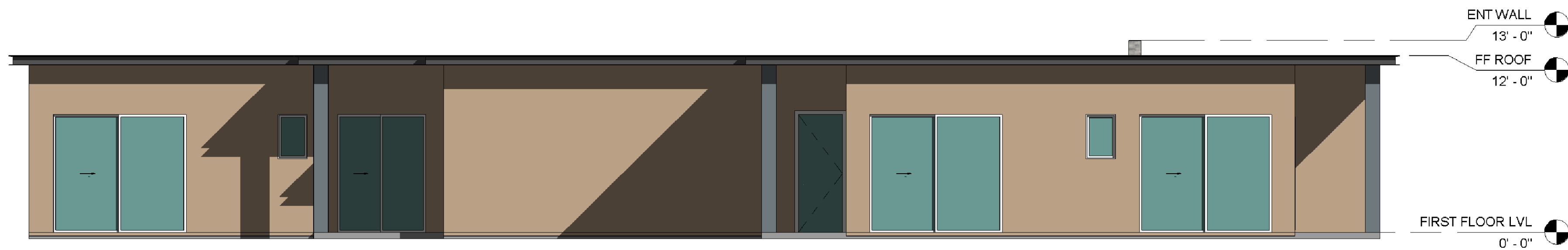




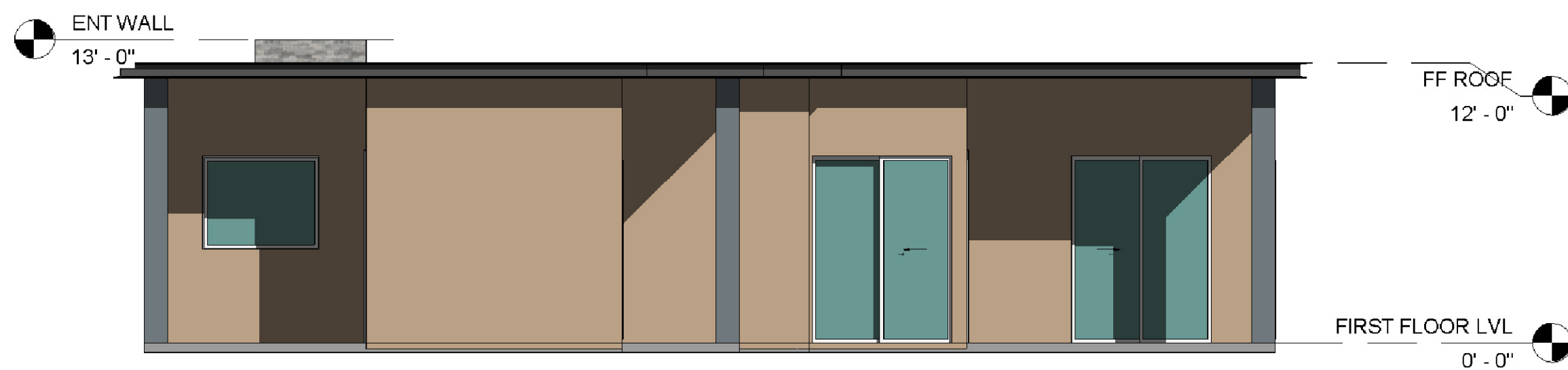
ELEVATION : E1



ELEVATION : E2

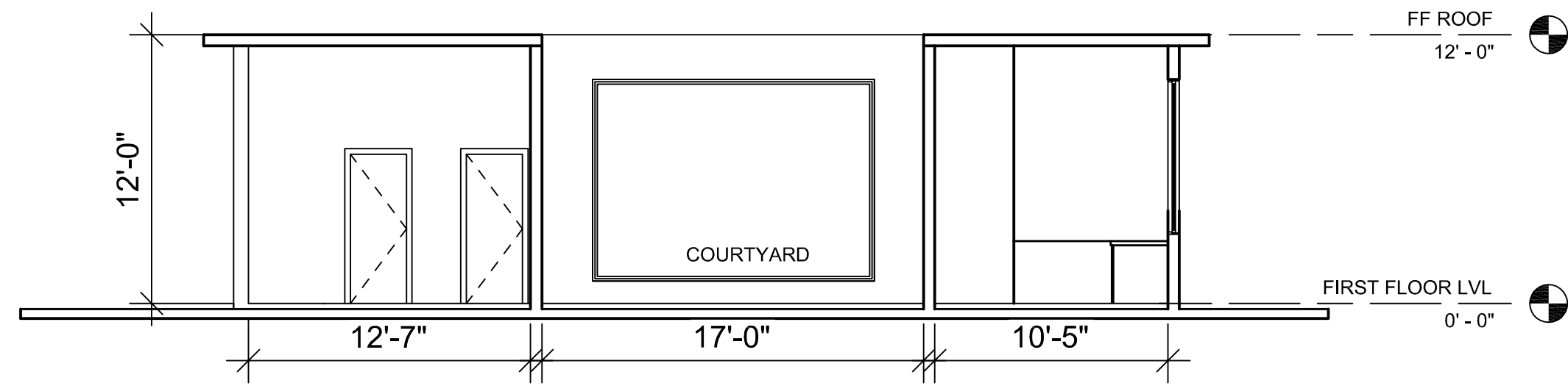


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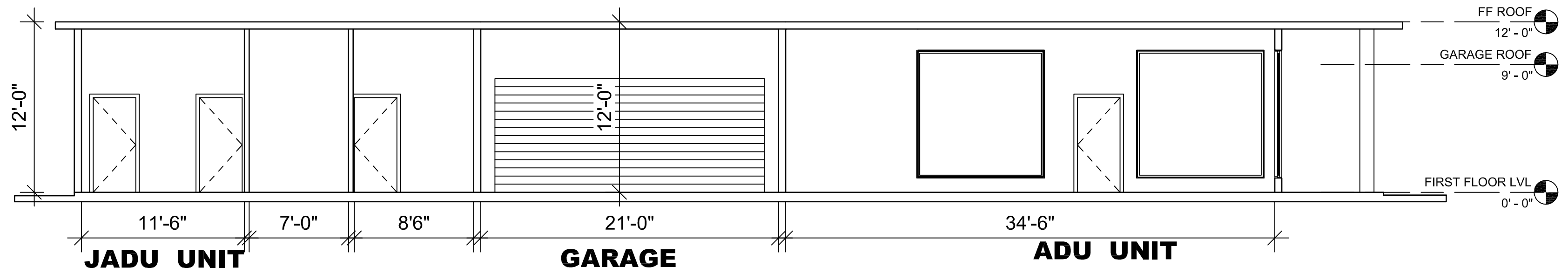


ELEVATION : E4

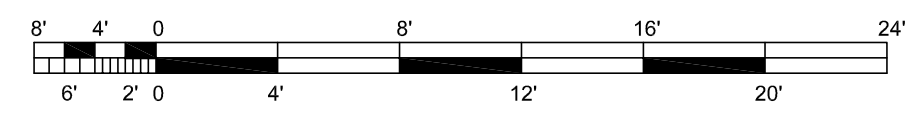
COLOR AND MATERIAL PALETTE				
WALL CLADDING	METAL ROOFING, GUTTER, EAVES	ENTRANCE WALL	GARAGE DOOR	DOOR, WINDOW, FRAME, TRIMS
PALM DESERT TAN (LRV43.07)	WOLF GREY (LRV 19.89)	MSI ALASKA GREY (LRV 44.42)	WOOD FINISH (LRV 35.71)	WHITE (LRV 99.2)



SECTION : Y-Y



SECTION : X-X



BARSANA
1 AUGUSTE CT, MILPITAS, CA 95035

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

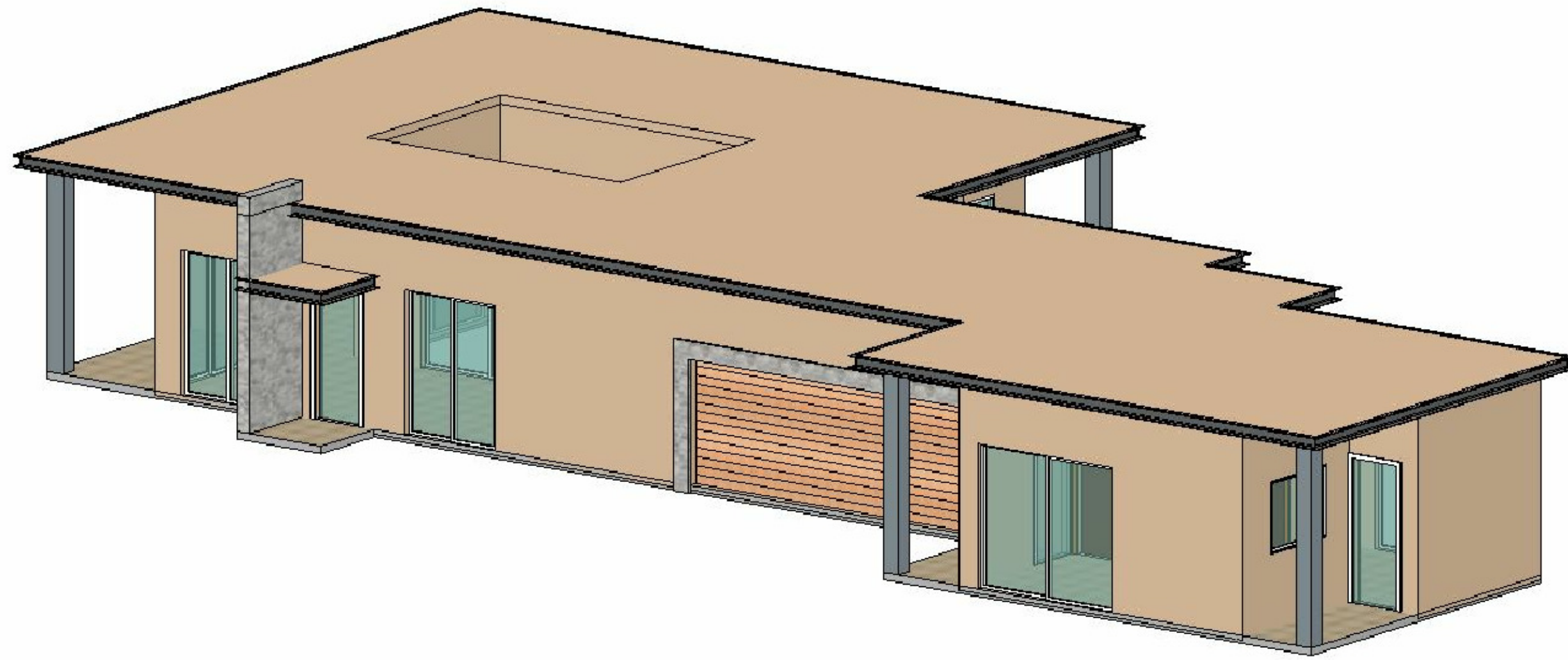
DRAWN BY:
NEHA

DATE: 07-02-2021
SCALE: 1:50

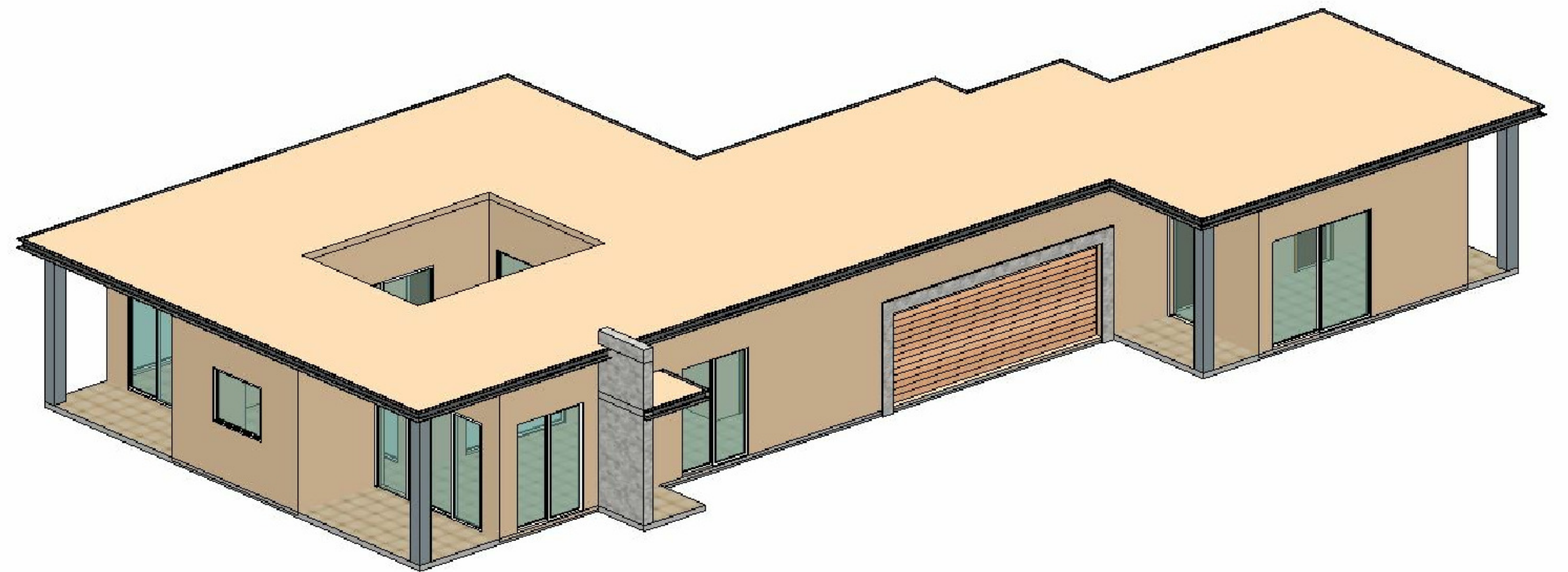
LOCATION:
APN 029-35-007

SUBJECT:
PLOT-15 ACRE: ADU, JADU UNIT SECTIONS

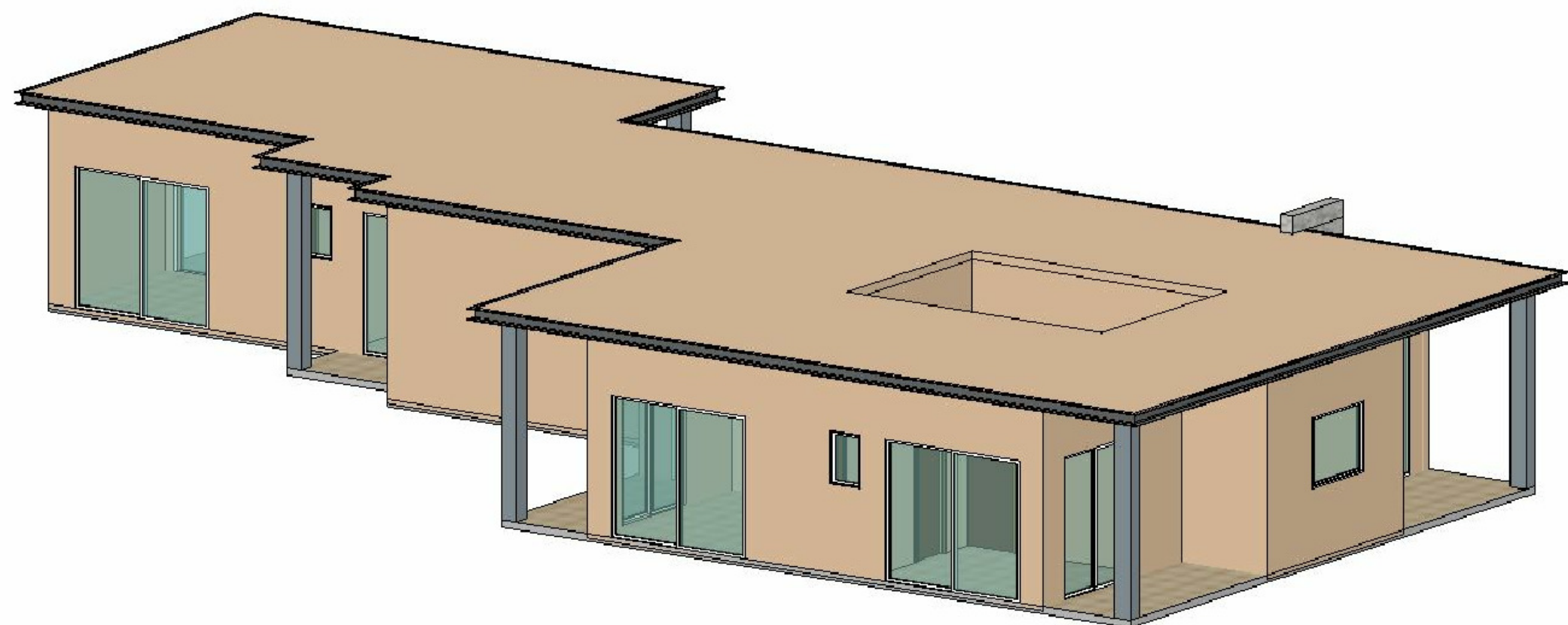
DRAWING NO. :
A03



ADU ENTRY SIDE VIEW E1

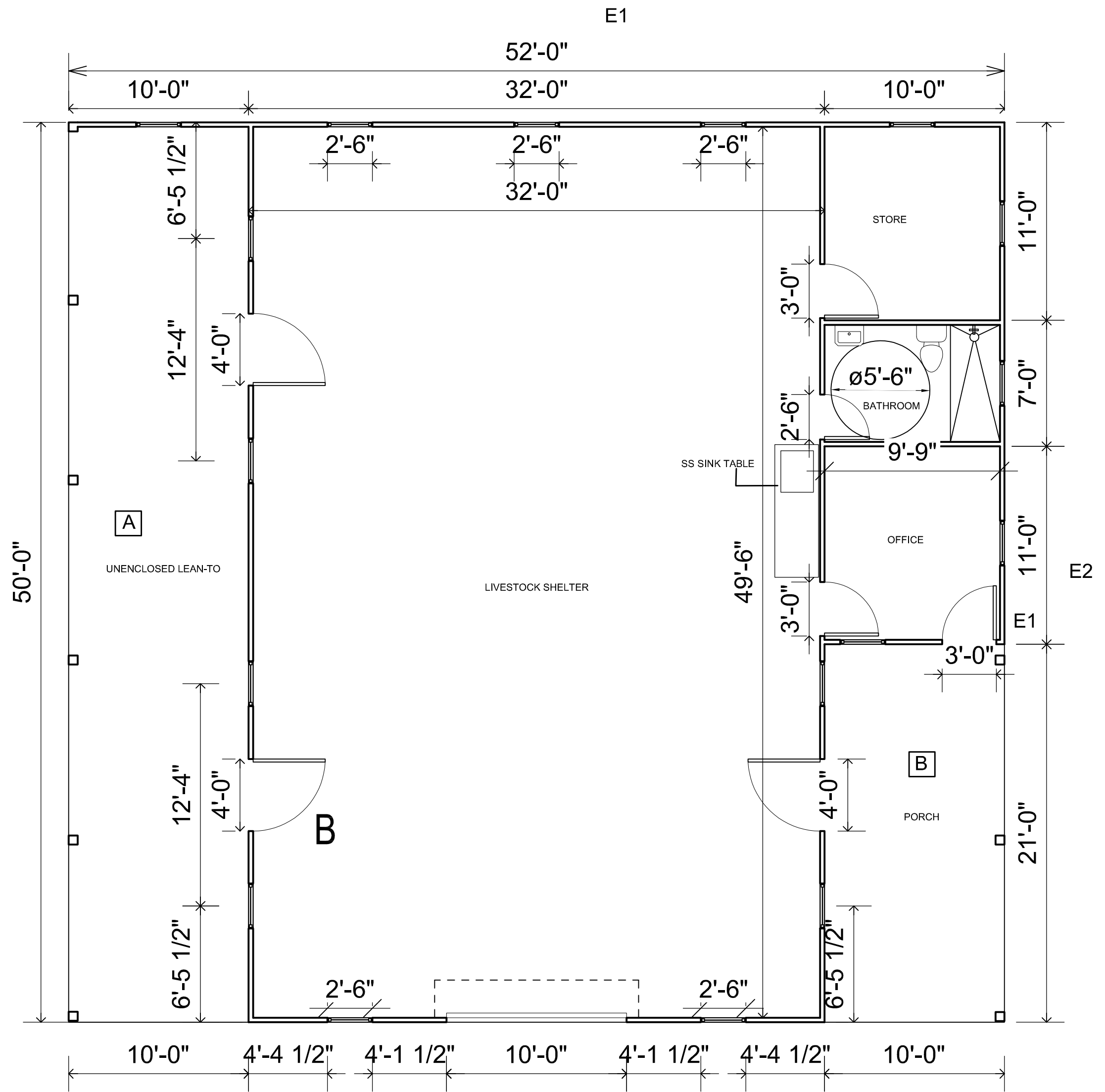


GARAGE SIDE VIEW E4



E VIEW E2

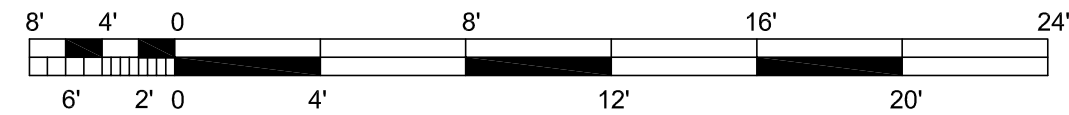
COLOR AND MATERIAL PALETTE				
WALL CLADDING	METAL ROOFING, GUTTER, EAVES	ENTRANCE WALL	GARAGE DOOR	DOOR, WINDOW, FRAME, TRIMS
PALM DESERT TAN (LRV43.07)	WOLF GREY (LRV 19.89)	MSI ALASKA GREY (LRV 44.42)	WOOD FINISH (LRV 35.71)	WHITE (LRV 99.2)

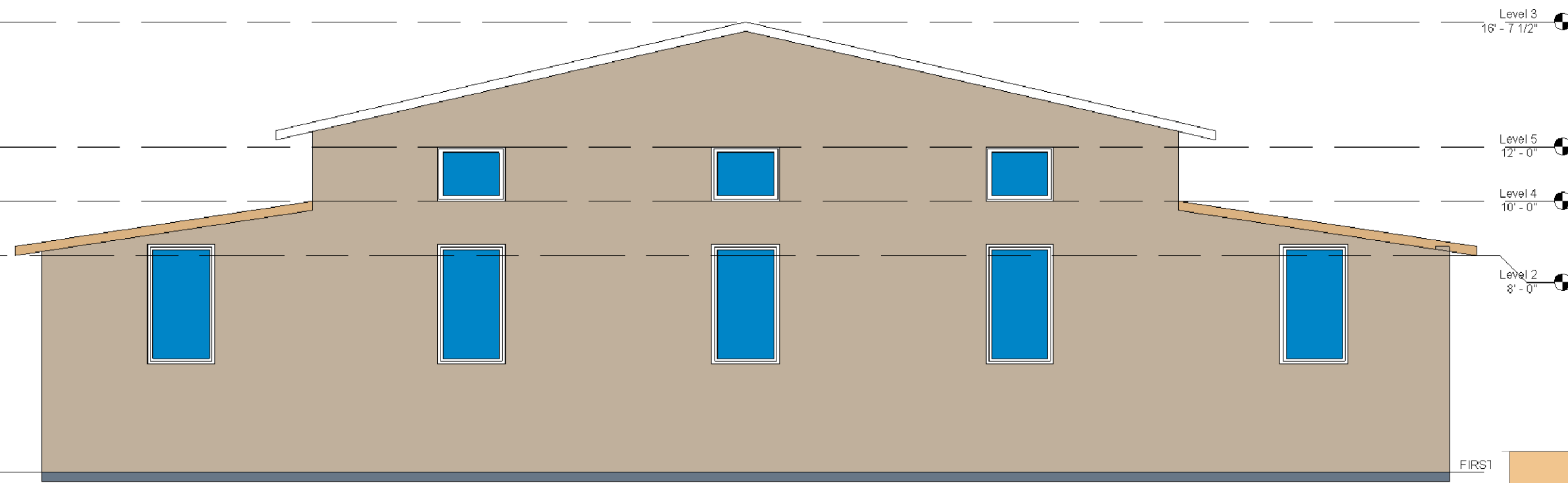


COVERED AREA CALCULATIONS		
ID	SIZE	Area (SQFT)
LSS	52'0" x 50'0" - AREA (A+B) =(2600)-(500+210)	1890.00
TOTAL UNIT AREA LIVESTOCK SHED =		1890.00 SQFT

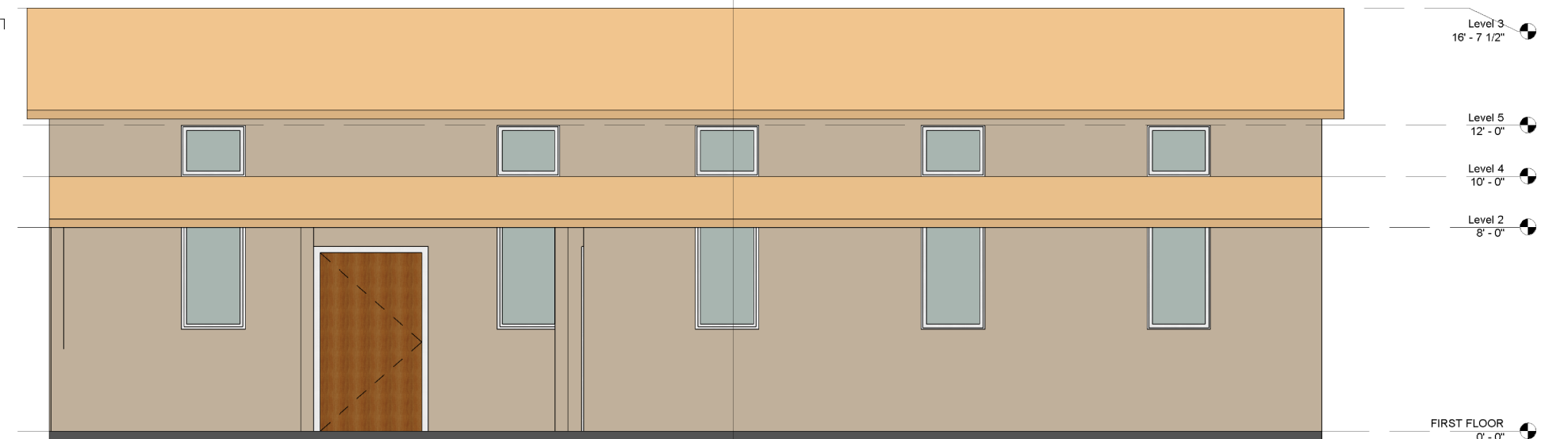
COVERED & PARTIALLY ENCLOSED AREA CALCULATIONS		
ID	size	Area (SQFT)
A	50' x 10'	500
B	21' x 10'	210
TOTAL		710.00 SQFT

LIVE STOCK SHED PLAN

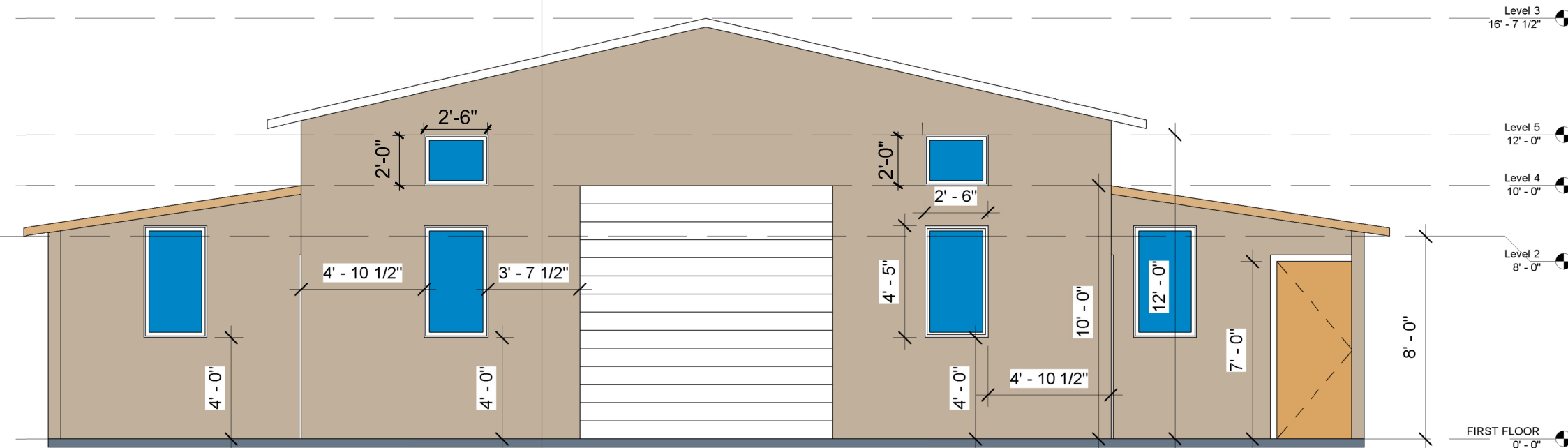




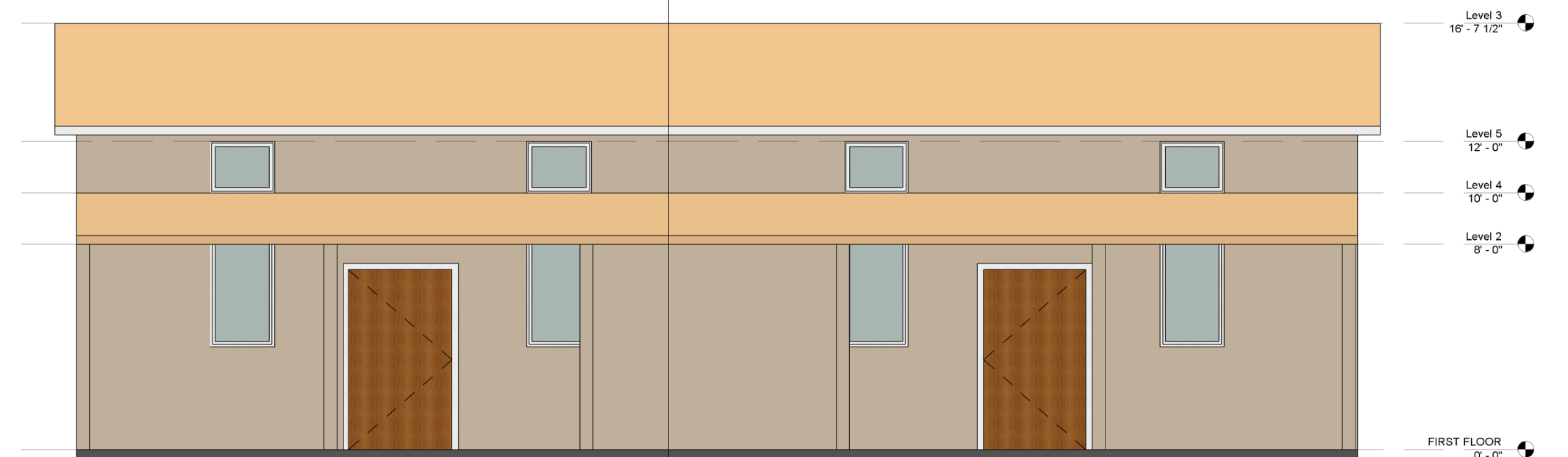
ELEVATION : E1



ELEVATION : E2

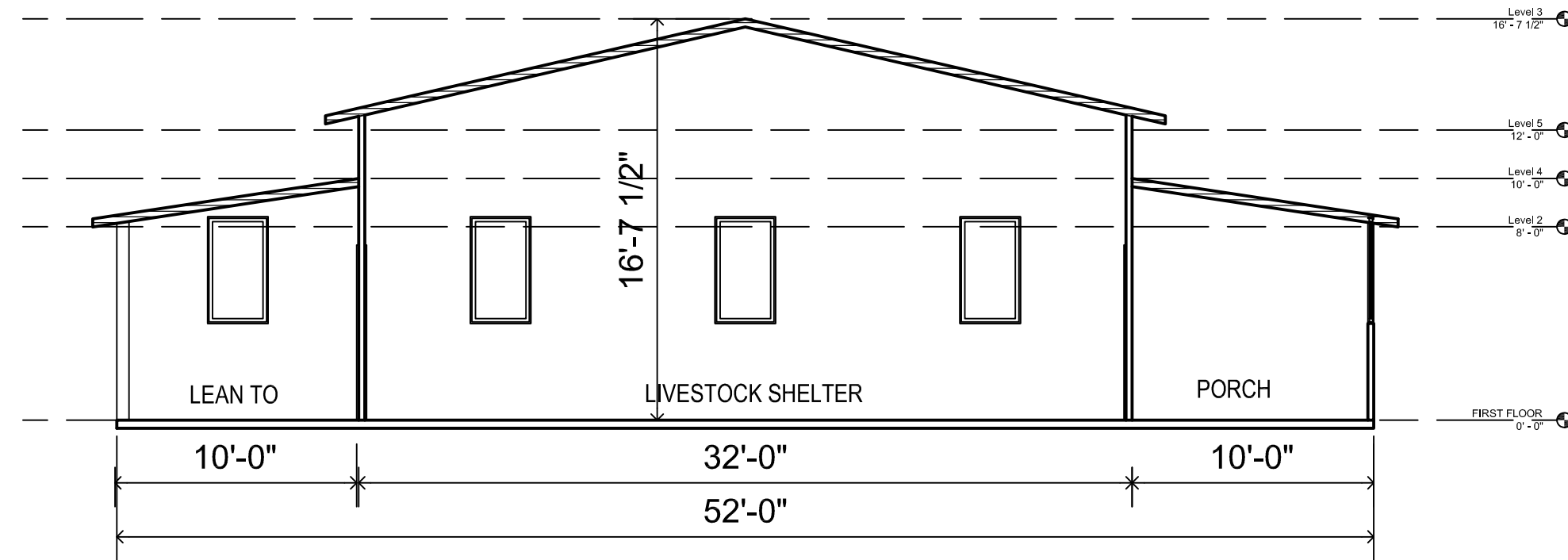


ELEVATION : E3

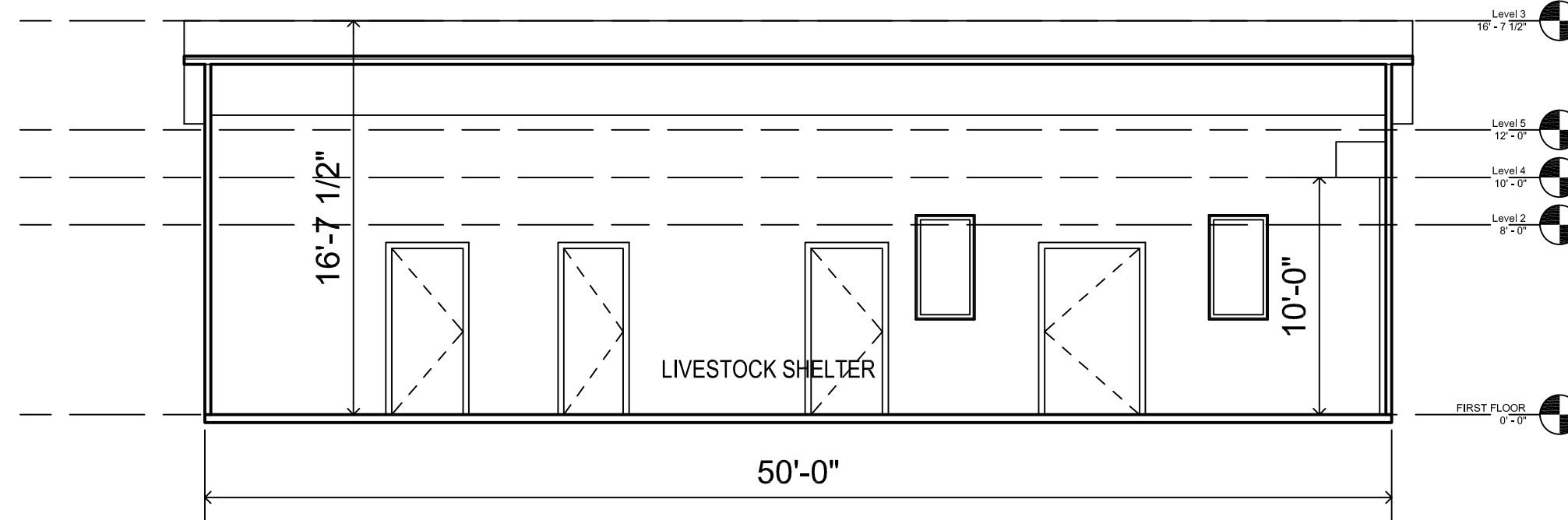


ELEVATION : E4

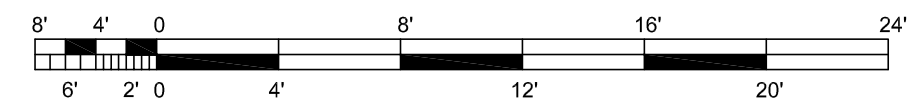
COLOR AND MATERIAL PALETTE		
WALL CLADDING	METAL ROOFING, GUTTER, EAVES	DOOR, WINDOW, FRAME, TRIMS
CLAY (LRV 41.57)	RAW HIDE (LRV 39.3)	WHITE (LRV 99.2)



SECTION : X-X



SECTION : Y-Y



BARSANA
1 AUGUSTE CT, MILPITAS, CA 95035

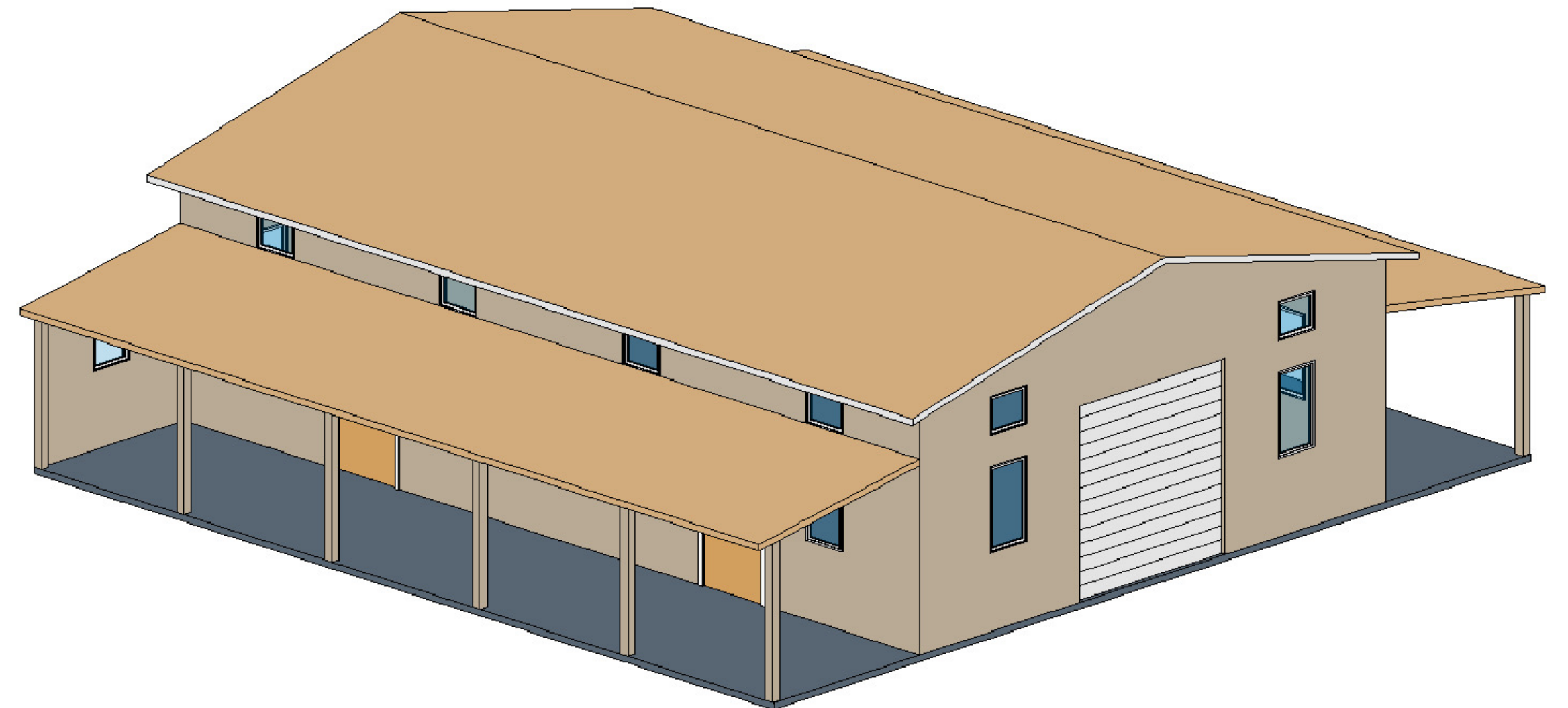
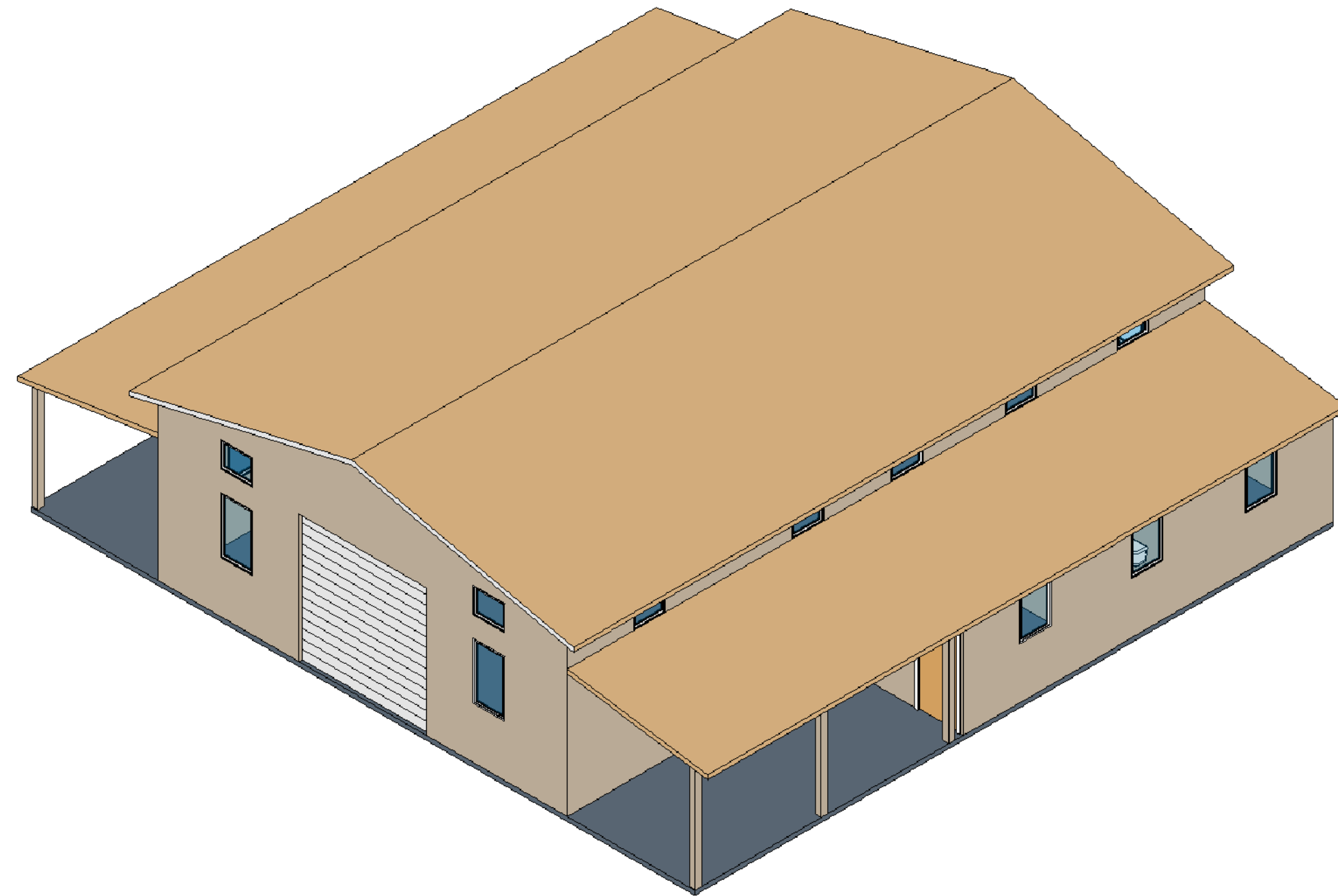
AJAY GOYAL
748 BLUE STONE CIRCLE, FOLSOM CA 95630 | 916-294 - 5337

DRAWN BY :
NEHA
DATE: 14-07-2022
SCALE: 1:50

LOCATION:
APN 029-35-007

SUBJECT:
LIVESTOCK SHED : SECTIONS

DRAWING NO. :
LSS 03



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 99.2)

BARSANA
1 AUGUSTE CT, MILPITAS, CA 95035

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

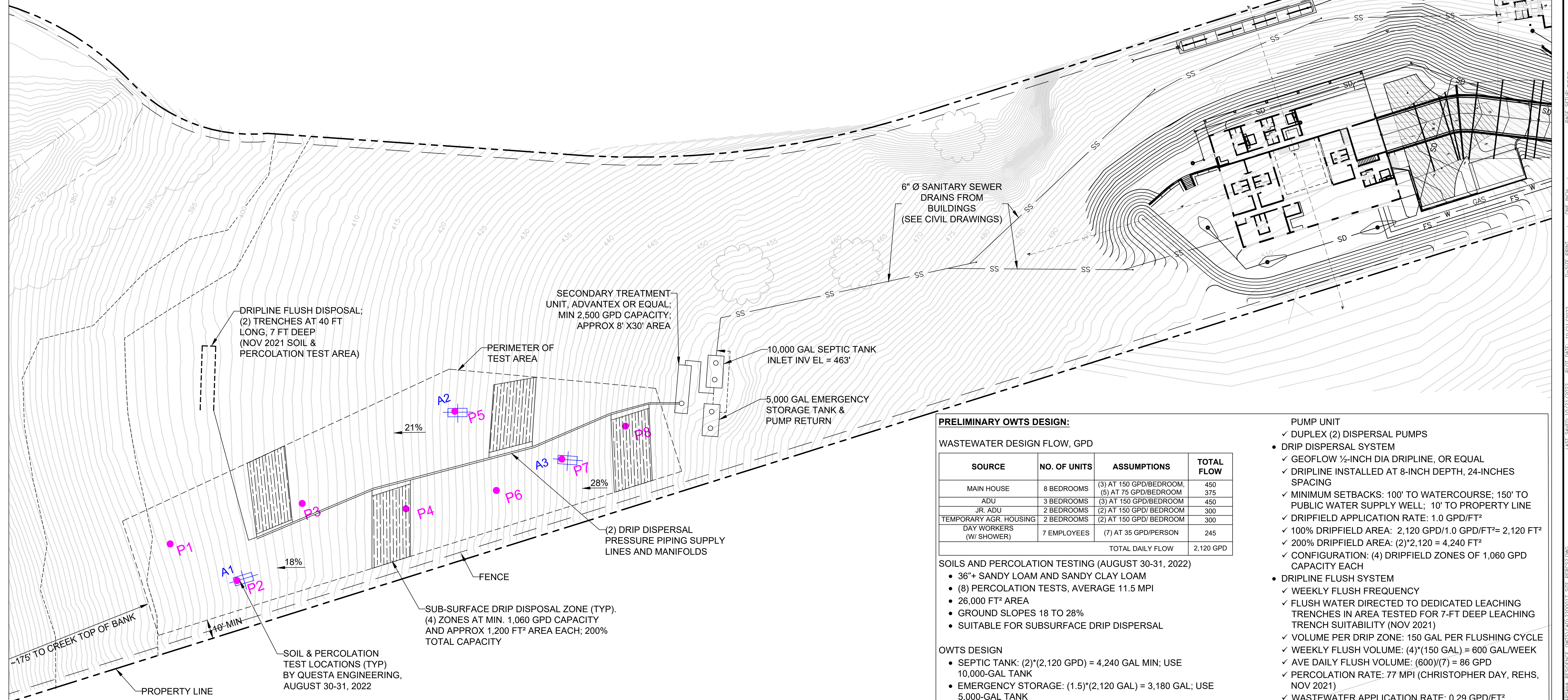
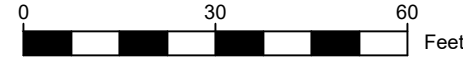
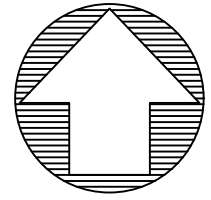
DRAWN BY :
NEHA

DATE: 14-07-2022
SCALE: 1:100, 1:200

LOCATION:
APN 029-35-007

SUBJECT:
LIVESTOCK SHED VIEWS

DRAWING NO. :
LSS 04



DRAFT

PRELIMINARY OWTS DESIGN:

WASTEWATER DESIGN FLOW, GPD

SOURCE	NO. OF UNITS	ASSUMPTIONS	TOTAL FLOW
MAIN HOUSE	8 BEDROOMS	(3) AT 150 GPD/BEDROOM, (5) AT 75 GPD/BEDROOM	450
ADU	3 BEDROOMS	(3) AT 150 GPD/BEDROOM	450
JR. ADU	2 BEDROOMS	(2) AT 150 GPD/ BEDROOM	300
TEMPORARY AGR. HOUSING	2 BEDROOMS	(2) AT 150 GPD/ BEDROOM	300
DAY WORKERS (W/ SHOWER)	7 EMPLOYEES	(7) AT 35 GPD/PERSON	245
TOTAL DAILY FLOW			2,120 GPD

SOILS AND PERCOLATION TESTING (AUGUST 30-31, 2022)

- 36"+ SANDY LOAM AND SANDY CLAY LOAM
- (8) PERCOLATION TESTS, AVERAGE 11.5 MPI
- 26,000 FT² AREA
- GROUND SLOPES 18 TO 28%
- SUITABLE FOR SUBSURFACE DRIP DISPERSAL

OWTS DESIGN

- SEPTIC TANK: (2)*(2,120 GPD) = 4,240 GAL MIN; USE 10,000-GAL TANK
- EMERGENCY STORAGE: (1.5)*(2,120 GAL) = 3,180 GAL; USE 5,000-GAL TANK
- SECONDARY TREATMENT UNIT:
 - ✓ ADVANTEK TEXTILE FILTER OR EQUAL
 - ✓ DESIGN FLOW: 2,500 GPD MIN
 - ✓ AX-MAX CONFIGURATION, W/INTEGRATED DISPERSAL

PUMP UNIT

- ✓ DUPLEX (2) DISPERSAL PUMPS
- DRIP DISPERSAL SYSTEM
 - ✓ GEOFLOW 1/2-INCH DIA DRIPLINE, OR EQUAL
 - ✓ DRIPLINE INSTALLED AT 8-INCH DEPTH, 24-INCHES SPACING
 - ✓ MINIMUM SETBACKS: 100' TO WATERCOURSE; 150' TO PUBLIC WATER SUPPLY WELL; 10' TO PROPERTY LINE
 - ✓ DRIPFIELD APPLICATION RATE: 1.0 GPD/FT²
 - ✓ 100% DRIPFIELD AREA: 2,120 GPD/1.0 GPD/FT²= 2,120 FT²
 - ✓ 200% DRIPFIELD AREA: (2)*2,120 = 4,240 FT²
 - ✓ CONFIGURATION: (4) DRIPFIELD ZONES OF 1,060 GPD CAPACITY EACH
- DRIPLINE FLUSH SYSTEM
 - ✓ WEEKLY FLUSH FREQUENCY
 - ✓ FLUSH WATER DIRECTED TO DEDICATED LEACHING TRENCHES IN AREA TESTED FOR 7-FT DEEP LEACHING TRENCH SUITABILITY (NOV 2021)
 - ✓ VOLUME PER DRIP ZONE: 150 GAL PER FLUSHING CYCLE
 - ✓ WEEKLY FLUSH VOLUME: (4)*(150 GAL) = 600 GAL/WEEK
 - ✓ AVE DAILY FLUSH VOLUME: (600)/(7) = 86 GPD
 - ✓ PERCOLATION RATE: 77 MPI (CHRISTOPHER DAY, REHS, NOV 2021)
 - ✓ WASTEWATER APPLICATION RATE: 0.29 GPD/FT²
 - ✓ REQUIRED TRENCH LENGTH AT 4 FT² PER LF = (86 GPD)/(4)*(0.29) = 74 LF
 - ✓ PROVIDE (2) 7-FT DEEP LEACHING TRENCHES AT 40 LF EACH, 80 LF TOTAL

BARSANA RESIDENCE OWTS

APN: 029-35-007
MILPITAS, CA



Sht:	Rev:	Date:	By:	Description:	App'd:

Design:	MW
Drawn:	PS
Checked:	NH
App'd:	NH

ONSITE WASTEWATER TREATMENT AND DISPOSAL PLAN

BARSANA RESIDENCE, MILPITAS, CA

Size	Project
D	2000139
Scale:	AS NOTED
Date:	10/19/22
Sheet:	WW-1

P:\2022\2200017_BARSANA_RESIDENCE_OWTS\CAD\2200017_SIT_PERS22.DWG LAST_SAVED: 10/21/2022 PLOT_DATE: 10/21/2022 D-SIZE PRINT ONE INCH PAGE_SETUP: PLOT_STYLE: ...