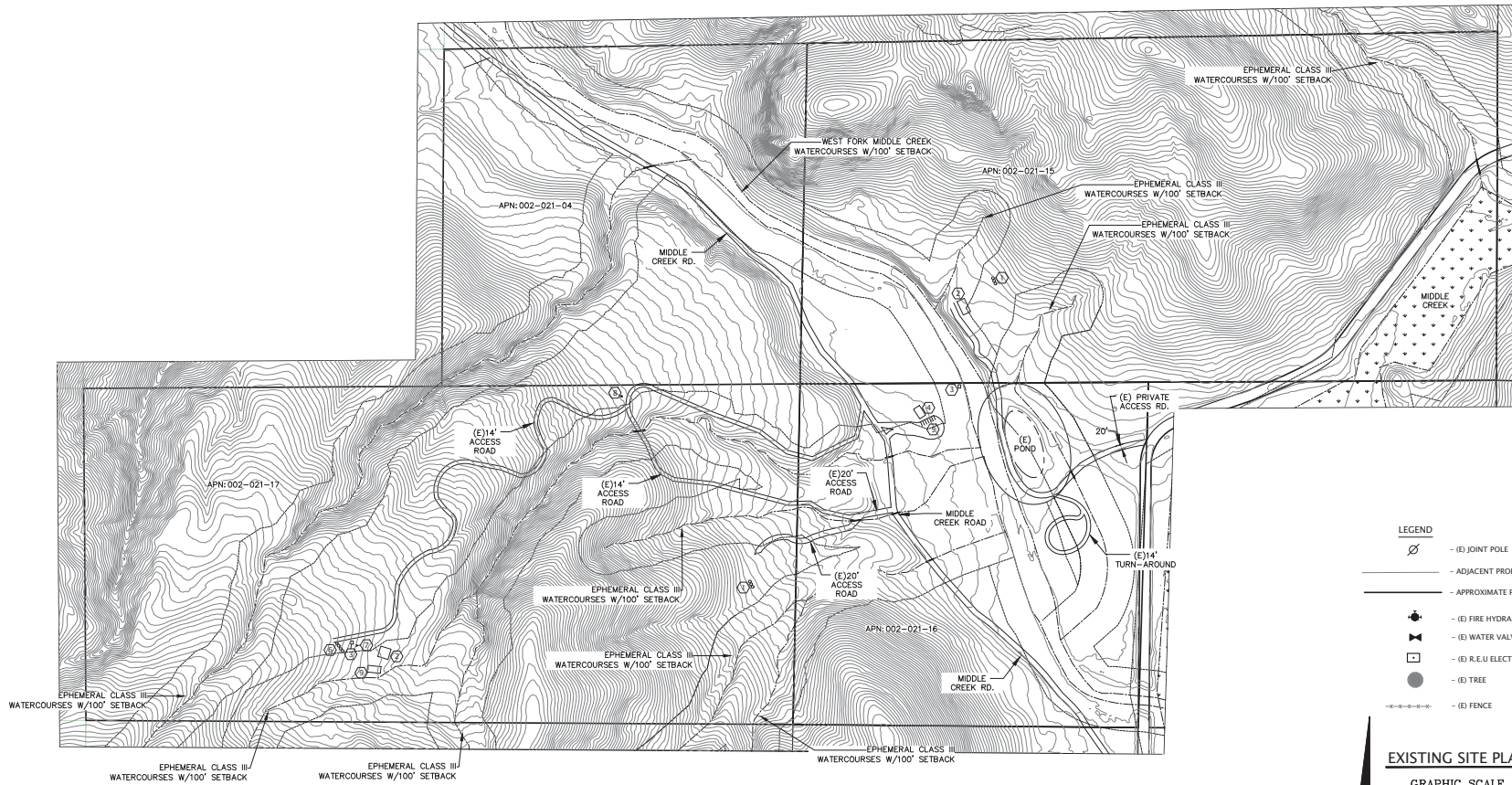


SITE PLAN NOTES:

- ① (E) THREE- 5,000GAL. WATER STORAGE TANKS
- ② (E) RESIDENCE
- ③ (E) SOLAR ARRAY
- ④ (E) BARN
- ⑤ (E) PARKING AREA
- ⑥ FOUR- 5,000GAL. WATER STORAGE TANKS
- ⑦ (E) GROUND WATER WELL
LAT:39.2516 LONG:-122.96356
BENEFICIAL USE: IRRIGATION
- ⑧ (E) GROUND WATER WELL
LAT:39.2536 LONG:-122.95885
BENEFICIAL USE: IRRIGATION
- ⑨ (E) GARAGE

Attachment 1



LEGEND

- (E) JOINT POLE
- ADJACENT PROP. LINE/EASEMENT
- APPROXIMATE PROPERTY LINE
- (E) FIRE HYDRANT
- (E) WATER VALVE
- (E) R.E.U. ELECTRICAL BOX
- (E) TREE
- (E) FENCE

EXISTING SITE PLAN



REVISION	DESCRIPTION	BY	DATE

REALM ENGINEERING
 CIVIL ENGINEER / LAND USE PLANNING
 1767 MARKET STREET SUITE C1
 REDDING, CA. 96001
 530.526.7493



DATE: _____
 JASON VINE
 P.E. 07800

VANN RANCH
 EXISTING SITE PLAN
 APN 002-021-04, 15, 16, & 17
 15095-15365 ELK MOUNTAIN TRAIL
 UPPERLAKE COUNTY, CA 95485

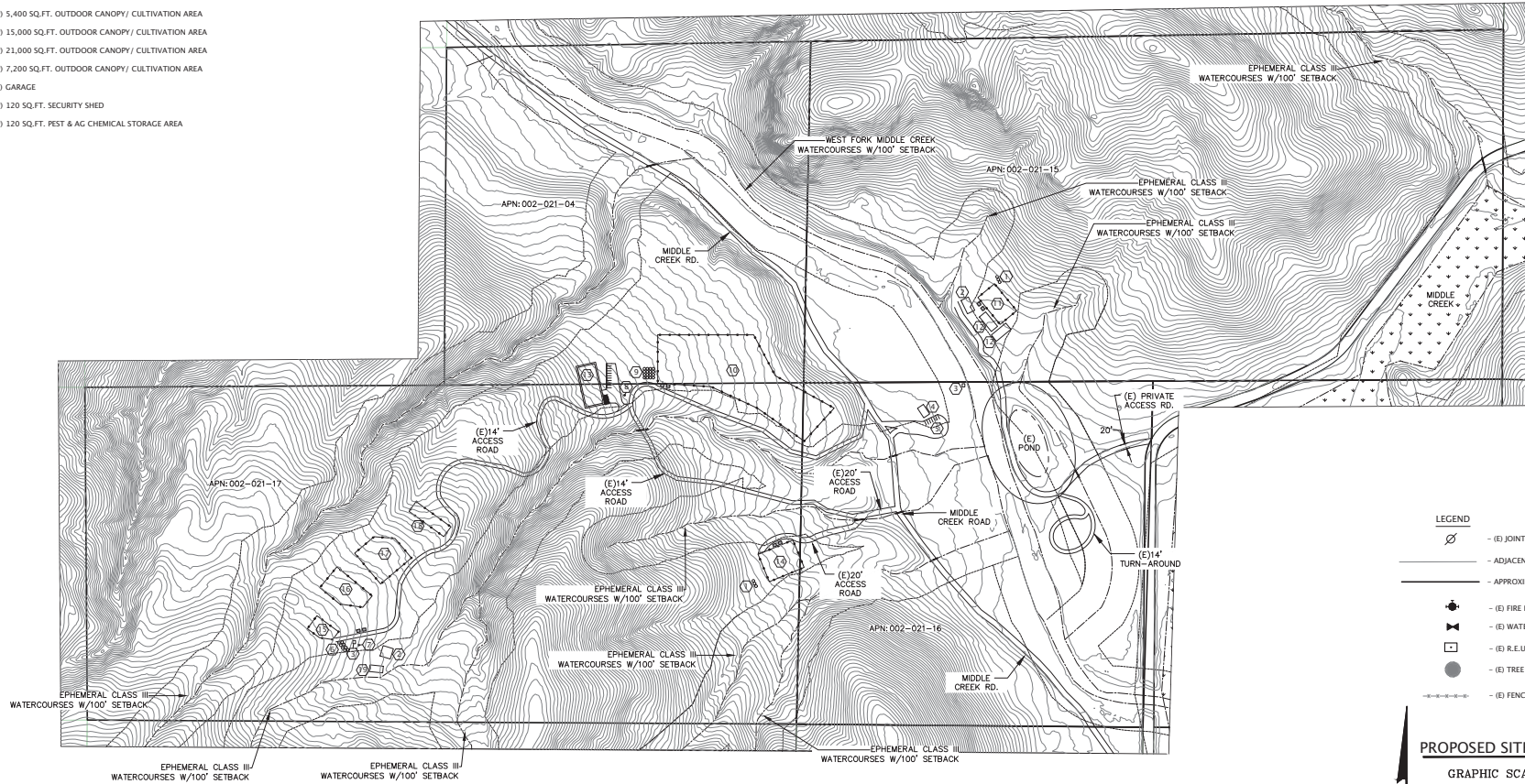
JOB NO. 2023.32

SHEET NO.

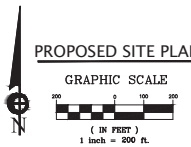
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SITE PLAN NOTES:

- ① (E) THREE - 5,000GAL. WATER STORAGE TANKS
- ② (E) RESIDENCE
- ③ (E) SOLAR ARRAY
- ④ (E) BARN
- ⑤ (E) PARKING AREA
- ⑥ FOUR (E) & FOUR (P) - 5,000GAL. WATER STORAGE TANKS
- ⑦ (E) GROUND WATER WELL
LAT:39.2536 LONG:-122.96356
BENEFICIAL USE: IRRIGATION
- ⑧ (E) GROUND WATER WELL
LAT:39.2536 LONG:-122.95885
BENEFICIAL USE: IRRIGATION
- ⑨ (P) SIXTEEN - 5,000GAL. WATER STORAGE TANKS
- ⑩ (P) 119,400 SQ.FT. OUTDOOR CANOPY/CULTIVATION AREA
- ⑪ (P) 10,400 SQ.FT. OUTDOOR CANOPY/CULTIVATION AREA
- ⑫ (P) 2,100 SQ.FT. IMMATURE PLANT AREA
- ⑬ (P) 65x150 (9,750 SQ.FT.) PROCESSING FACILITY
- ⑭ (P) 15,400 SQ.FT. OUTDOOR CANOPY / CULTIVATION AREA
- ⑮ (P) 5,400 SQ.FT. OUTDOOR CANOPY / CULTIVATION AREA
- ⑯ (P) 15,000 SQ.FT. OUTDOOR CANOPY / CULTIVATION AREA
- ⑰ (P) 21,000 SQ.FT. OUTDOOR CANOPY / CULTIVATION AREA
- ⑱ (P) 7,200 SQ.FT. OUTDOOR CANOPY / CULTIVATION AREA
- ⑲ (E) GARAGE
- ⑳ (P) 120 SQ.FT. SECURITY SHED
- ㉑ (P) 120 SQ.FT. PEST & AG CHEMICAL STORAGE AREA



- LEGEND**
- ⊗ - (E) JOINT POLE
 - — — — — ADJACENT PROP. LINE/EASEMENT
 - - - - - APPROXIMATE PROPERTY LINE
 - ⊕ - (E) FIRE HYDRANT
 - ⊞ - (E) WATER VALVE
 - ⊞ - (E) R.E.U ELECTRICAL BOX
 - - (E) TREE
 - ⋯⋯⋯⋯ - (E) FENCE



REVISION	DESCRIPTION	BY	DATE

REALM ENGINEERING
 CIVIL ENGINEERING & LANDSCAPE ARCHITECTURE PLANNING
 17167 MARKET STREET SUITE C1
 REDDING, CA. 96001
 530.526.7493

REGISTERED PROFESSIONAL ENGINEER
 No. 67800
 No. 006790/20
 CIVIL ENGINEER
 STATE OF CALIFORNIA

DATE: _____
 JACON VINE
 ACE 07860

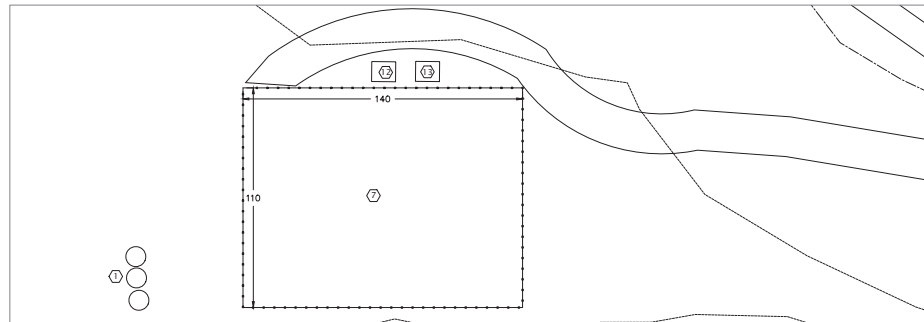
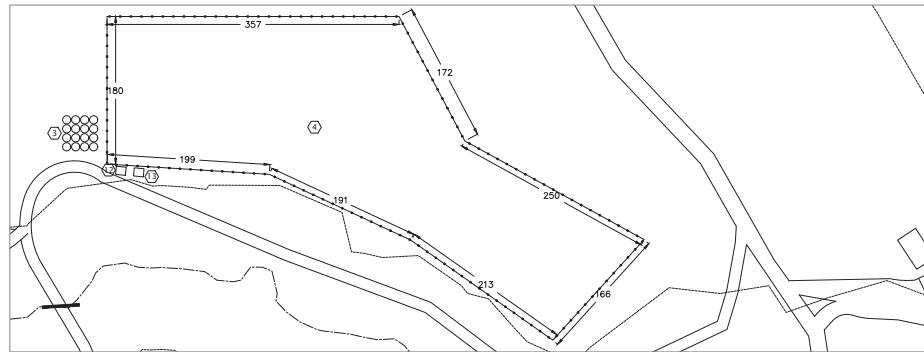
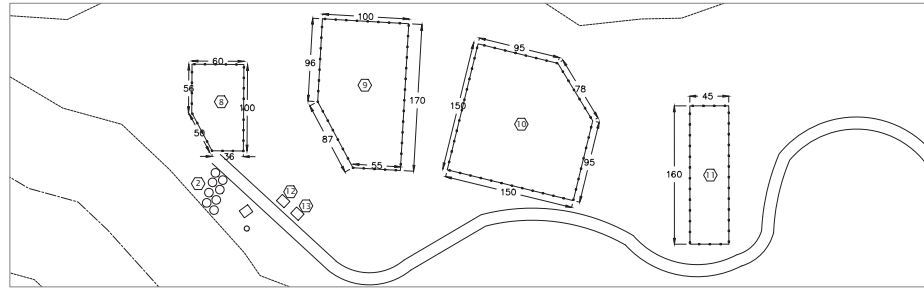
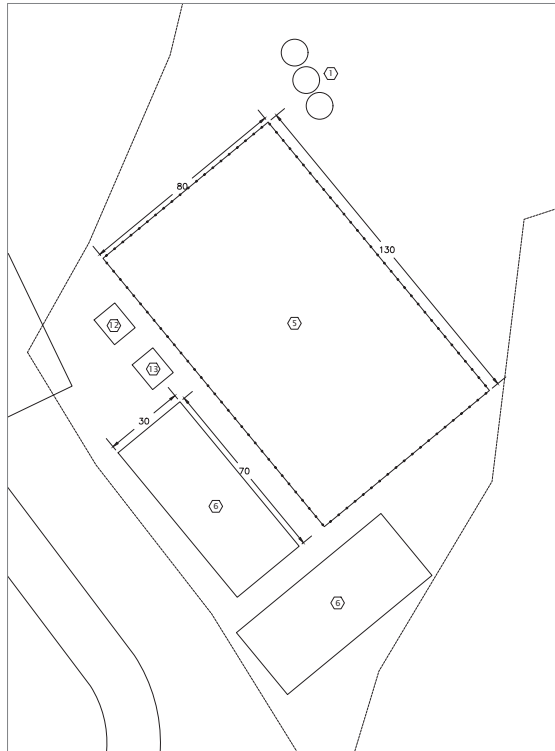
VANN RANCH
PROPOSED SITE PLAN
 APN 002-021-04, 15, 16, & 17
 15095-15365 ELK MOUNTAIN TRAIL
 UPPERLAKE COUNTY, CA 95485

JOB NO. 2023.32

SHEET NO.
2









SITE PLAN NOTES:

- ① (E) THREE - 5,000GAL. WATER STORAGE TANKS
- ② FOUR (E) & FOUR (P) - 5,000GAL. WATER STORAGE TANKS
- ③ (P) SIXTEEN - 5,000GAL. WATER STORAGE TANKS
- ④ (P) 119,400 SQ.FT. OUTDOOR CANOPY/CULTIVATION AREA
- ⑤ (P) 10,400 SQ.FT. OUTDOOR CANOPY/CULTIVATION AREA
- ⑥ (P) 2,100 SQ.FT. IMMATURE PLANT AREA
- ⑦ (P) 15,400 SQ.FT. OUTDOOR CANOPY / CULTIVATION AREA
- ⑧ (P) 5,400 SQ.FT. OUTDOOR CANOPY / CULTIVATION AREA
- ⑨ (P) 15,000 SQ.FT. OUTDOOR CANOPY / CULTIVATION AREA
- ⑩ (P) 21,000 SQ.FT. OUTDOOR CANOPY / CULTIVATION AREA
- ⑪ (P) 7,200 SQ.FT. OUTDOOR CANOPY / CULTIVATION AREA
- ⑫ (P) 120 SQ.FT. SECURITY SHED
- ⑬ (P) 120 SQ.FT. PEST & AG CHEMICAL STORAGE AREA



CANOPY SITE PLAN

LEGEND

-  - (E) JOINT POLE
-  - ADJACENT PROP. LINE/EASEMENT
-  - APPROXIMATE PROPERTY LINE
-  - (E) FIRE HYDRANT
-  - (E) WATER VALVE
-  - (E) R.E.U ELECTRICAL BOX
-  - (E) TREE
-  - (E) FENCE

REVISION	DESCRIPTION	BY	DATE

REALM ENGINEERING
 CIVIL ENGINEER / LANDSCAPE ARCHITECT / PLANNING
 17167 MARKET STREET, SUITE 101
 REDDING, CA. 96001
 530.526.7493



JASON VINE
 P.E. 67800
 DATE

VANN RANCH
CANOPY SITE PLAN
 APN 002-021-004, 15, 16, & 17
 15095-15365 ELK MOUNTAIN TRAIL
 UPPERLAKE COUNTY, CA 95485

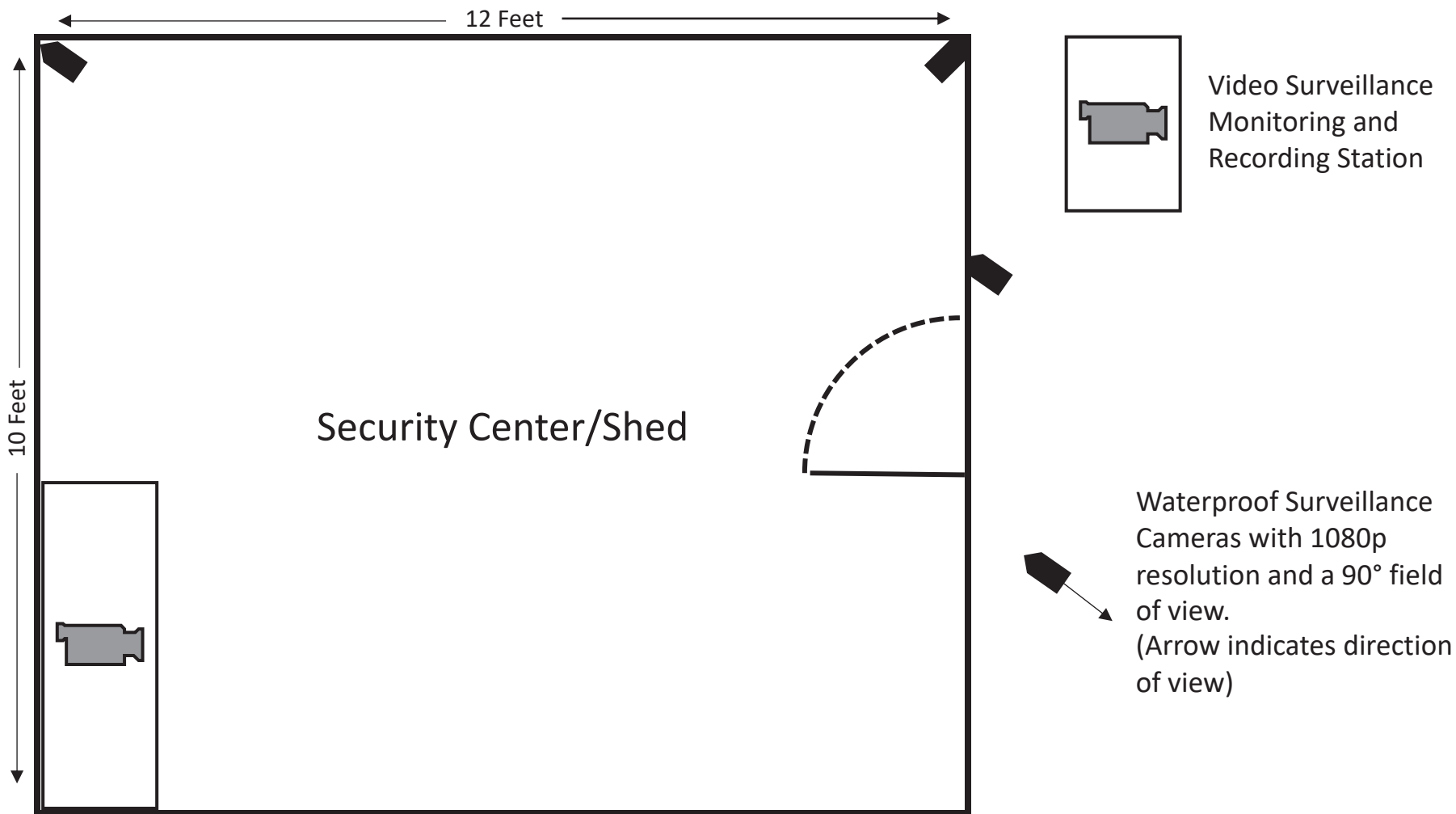
JOB NO. 2023.32

SHEET NO.

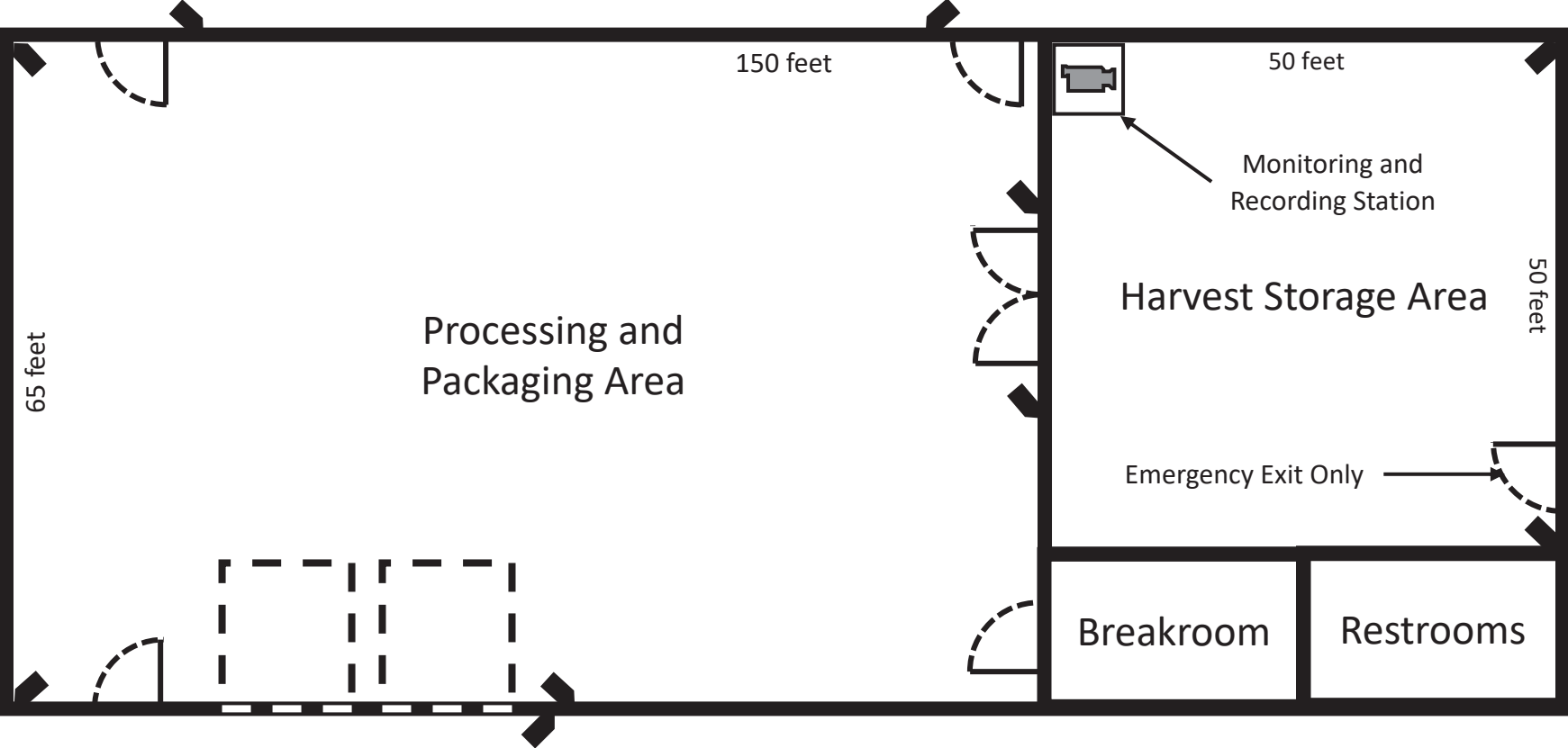
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Security Centers/Sheds

(Proposed Wooden Sheds)



PROPOSED PROCESSING FACILITY LAYOUT



◆ = Security Camera

LEGEND

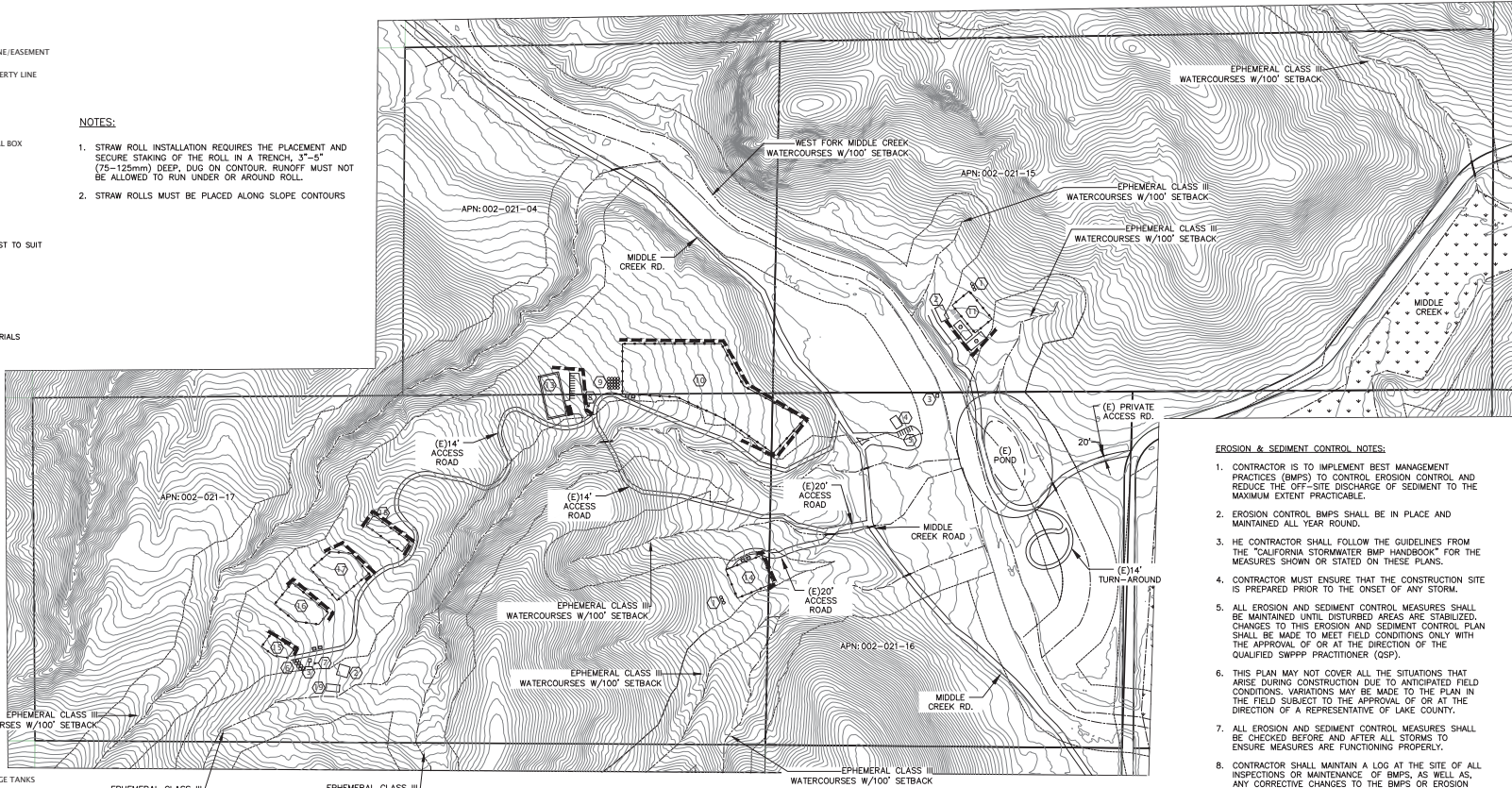
- (E) JOINT POLE
- ADJACENT PROP. LINE/EASEMENT
- APPROXIMATE PROPERTY LINE
- (E) FIRE HYDRANT
- (E) WATER VALVE
- (E) R.E.U. ELECTRICAL BOX
- (E) TREE
- (E) FENCE
- DRAINAGE PATTERNS
- STRAW ROLLS (ADJUST TO SUIT FIELD CONDITIONS)
- DISCHARGE POINT
- SAMPLING LOCATION
- CONSTRUCTION MATERIALS STORAGE AREA

NOTES:

1. STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3"-5" (75-125mm) DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.
2. STRAW ROLLS MUST BE PLACED ALONG SLOPE CONTOURS

SITE PLAN NOTES:

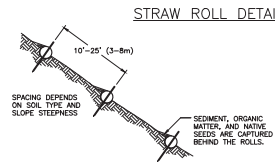
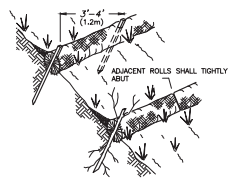
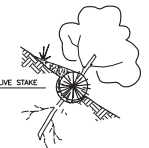
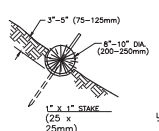
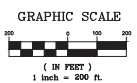
- (1) (E) THREE - 5,000GAL. WATER STORAGE TANKS
- (2) (E) RESIDENCE
- (3) (E) SOLAR ARRAY
- (4) (E) BARN
- (5) (E) PARKING AREA
- (6) FOUR (E) & FOUR (P) - 5,000GAL. WATER STORAGE TANKS
- (7) (E) GROUND WATER WELL
LAT:39.2536 LONG:-122.96356
BENEFICIAL USE: IRRIGATION
- (8) (E) GROUND WATER WELL
LAT:39.2536 LONG:-122.95885
BENEFICIAL USE: IRRIGATION
- (9) (P) SIXTEEN - 5,000GAL. WATER STORAGE TANKS
- (10) (P) 119,400 SQ.FT. OUTDOOR CANOPY/CULTIVATION AREA
- (11) (P) 10,400 SQ.FT. OUTDOOR CANOPY/CULTIVATION AREA
- (12) (P) 2,100 SQ.FT. IMMATURE PLANT AREA
- (13) (P) 65x150 (7,800 SQ.FT.) PROCESSING FACILITY
- (14) (P) 15,400 SQ.FT. OUTDOOR CANOPY / CULTIVATION AREA
- (15) (P) 5,400 SQ.FT. OUTDOOR CANOPY / CULTIVATION AREA
- (16) (P) 15,000 SQ.FT. OUTDOOR CANOPY / CULTIVATION AREA
- (17) (P) 21,000 SQ.FT. OUTDOOR CANOPY / CULTIVATION AREA
- (18) (P) 7,200 SQ.FT. OUTDOOR CANOPY / CULTIVATION AREA
- (19) (E) GARAGE
- (20) (P) 120 SQ.FT. SECURITY SHED
- (21) (P) 120 SQ.FT. PEST & AG CHEMICAL STORAGE AREA



EROSION & SEDIMENT CONTROL NOTES:

1. CONTRACTOR IS TO IMPLEMENT BEST MANAGEMENT PRACTICES (BMPs) TO CONTROL EROSION CONTROL AND REDUCE THE OFF-SITE DISCHARGE OF SEDIMENT TO THE MAXIMUM EXTENT PRACTICABLE.
2. EROSION CONTROL BMPs SHALL BE IN PLACE AND MAINTAINED ALL YEAR ROUND.
3. THE CONTRACTOR SHALL FOLLOW THE GUIDELINES FROM THE "CALIFORNIA STORMWATER BMP HANDBOOK" FOR THE MEASURES SHOWN OR STATED ON THESE PLANS.
4. CONTRACTOR MUST ENSURE THAT THE CONSTRUCTION SITE IS PREPARED PRIOR TO THE ONSET OF ANY STORM.
5. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. CHANGES TO THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE MADE TO MEET FIELD CONDITIONS ONLY WITH THE APPROVAL OF OR AT THE DIRECTION OF THE QUALIFIED SWPPP PRACTITIONER (QSP).
6. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO ANTICIPATED FIELD CONDITIONS. VARIATIONS MAY BE MADE TO THE PLAN IN THE FIELD SUBJECT TO THE APPROVAL OF OR AT THE DIRECTION OF A REPRESENTATIVE OF LAKE COUNTY.
7. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED BEFORE AND AFTER ALL STORMS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
8. CONTRACTOR SHALL MAINTAIN A LOG AT THE SITE OF ALL INSPECTIONS OR MAINTENANCE OF BMPs, AS WELL AS ANY CORRECTIVE CHANGES TO THE BMPs OR EROSION AND SEDIMENT CONTROL PLAN.
9. THE CONTRACTOR SHALL INSTALL THE STABILIZED CONSTRUCTION ENTRANCE PRIOR TO COMMENCEMENT OF GRADING. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE GRADING OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCE.
10. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE SWEEPED AT THE END OF EACH WORKING DAY OR AS NECESSARY.
11. ANY LOOSE GROUND FROM EXCAVATING GRADING OPERATIONS SHALL BE SECURED PRIOR TO ANY RAIN EVENT. STRAW OR TARP ALL DISTURBED OR EXCAVATED GROUND.
12. CONTRACTOR SHALL PLACE GRAVEL BAGS AROUND ALL NEW DRAINAGE STRUCTURE OPENINGS IMMEDIATELY AFTER THE STRUCTURE OPENING IS CONSTRUCTED. THESE GRAVEL BAGS SHALL BE MAINTAINED AND REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED.
13. AS A MINIMUM, ALL GRADED AREAS AND EXPOSED SOIL WITHIN THE PROJECT SHALL BE SEEDED PER THE REQUIREMENTS OF LAKE COUNTY.
14. DUST GENERATION MUST BE MINIMIZED AND A WATER TRUCK MUST BE AVAILABLE ON-SITE FOR ADEQUATE DUST CONTROL.

EROSION & SEDIMENT CONTROL PLAN



STRAW ROLL DETAILS

REVISION	DESCRIPTION	BY	DATE

REALM ENGINEERING
 CIVIL ENGINEER / LANDSCAPE ARCHITECT PLANNING
 1707 MARKET STREET SUITE C1
 REDDING, CA 96001
 530.526.7493



VANN RANCH
 EROSION CONTROL PLAN
 APN 002-021-04, 15, 16, & 17
 15095-15365 ELK MOUNTAIN TRAIL
 UPPER LAKE COUNTY, CA 95485

JOB NO. 2023.32

SHEET NO.
5

VANN RANCH - COMMERCIAL BUILDING SITE GRADING AND DRAINAGE IMPROVEMENT PLAN

ABBREVIATIONS

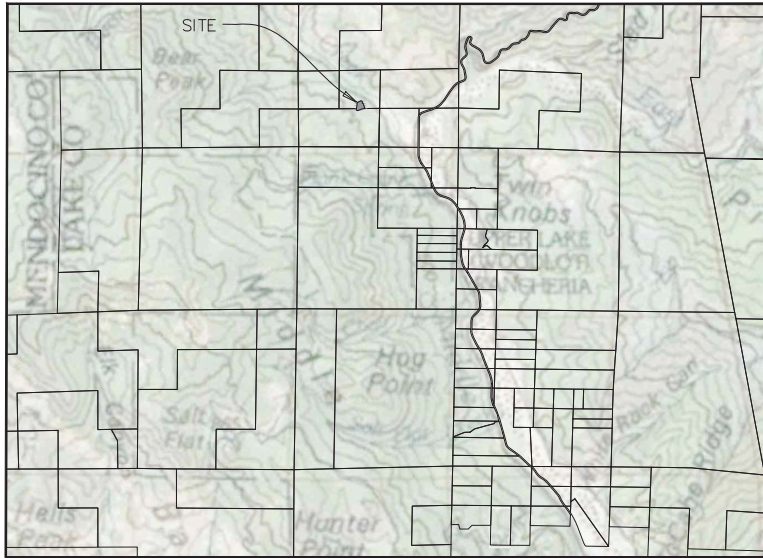
A.C.	ASPHALT CONCRETE
A.E.	APPROVED EQUAL
AGG.	AGGREGATE
APPROX.	APPROXIMATE
AVE.	AVENUE
B.C.	BEGIN HORIZONTAL CURVE
BUILD.	BUILDING
BM.	BENCHMARK
BO.	BLOWOFF
B.V.C.	BEGIN VERTICAL CURVE
B.W.	BOTTOM WALL
C.B.	CATCH BASIN
C&G.	CURB AND GUTTER
C.I.P.P.	CAST-IN-PLACE PIPE
CL.	CENTERLINE
CLASS.	CLASS
C.M.P.	CORRUGATED METAL PIPE
CO.	CLEANOUT
CONC.	CONCRETE
C.P.C.	CENTRAL PRECAST CONCRETE
C.R.	CURVE RETURN OR CURB RETURN
CTR.	CENTER
C.Y.	CUBIC YARD
D.I.	DROP INLET
DIA.	DIAMETER
D.I.P.	DUCTILE IRON PIPE
DR.	DRIVE
D/W.	DRIVEWAY
DWG.	DRAWING
E.A.	END HORIZONTAL CURVE
E.I.	EXPANSION INDEX
EL.	ELEVATION
E.P.	EDGE OF PAVEMENT
ESMT.	EASEMENT
E.V.C.	END VERTICAL CURVE
EX.	EXISTING
F.C.	FACE OF CURB
F.D.C.	FIRE DEPARTMENT CONNECTION
F.E.S.	FLARED END SECTION
F.F.	FINISHED FLOOR
F.G.	FINISHED GRADE
F.H.	FIRE HYDRANT
FL.	FLOWLINE
FOOT.	FOOT
GALV.	GALVANIZED
G.B.	GRADE BREAK
GR.	GRATE
G.V.	GATE VALVE
HMA.	HOT MIX ASPHALT
INV.	INVERT
J.P.	JOINT POLE
J.T.	JOINT TRENCH
LENTH.	LENGTH
L.F.	LINEAR FEET
L.G.	LIP OF GUTTER
MAX.	MAXIMUM
MIN.	MINIMUM
MH.	MANHOLE
N.A.	NOT APPLICABLE
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
P.C.C.	PORTLAND CEMENT CONCRETE
P.G.	PAD GRADE
P.I.V.	POST INDICATOR VALVE
P.L.	PROPERTY LINE
P.O.C.	POINT OF CURVE
P.P.	POWER POLE
P.R.C.	POINT OF REVERSE CURVE
P.T.	POINT
P.U.E.	PUBLIC UTILITY EASEMENT
P.V.C.	POLYVINYL CHLORIDE
P.V.I.	POINT OF VERTICAL INTERSECTION
P.W.M.	PAVEMENT
PW.	PROCESS WATER
R OR RAD.	RADIUS
R.C.	RELATIVE COMPACTION
R.C.B.	REINFORCED CONCRETE BOX
R.C.P.	REINFORCED CONCRETE PIPE
REF.	REFERENCE
R/W.	RIGHT OF WAY
S.	SLOPE OR SEWER
S.D.E.	STORM DRAIN EASEMENT
S.E.	SEWER EASEMENT
S.D.	STORM DRAIN
S.D.M.H.	STORM DRAIN MANHOLE
SUR.	SURFACE
SPEC.	SPECIFICATION
STD.	STANDARD
ST.	STREET OR SEMI-TANGENT
STA.	STATION
SIDENW.	SIDEWALK
S.W.E.	SIDEWALK EASEMENT
S.Y.	SQUARE YARD
TANG.	TANGENT
T.B.	TOP OF BANK OR BOX
T.C.	TOP OF CURB
T.G.	TOP OF GRADE
TOE.	TOE OF SLOPE
T.W.	TOP OF WALL
TYP.	TYPICAL
V.C.	VERTICAL CURVE
V.I.F.	VERIFY IN FIELD
V.P.I.	VERTICAL POINT OF INTERSECTION
W.	WATER OR WEST
W.M.	WATER METER
W.S.	WATER SERVICE
&	AND
Δ	DEGREE
Δ	DELTA
'	MINUTE
"	SECOND
%	PERCENT
∠	ANGLE POINT

GENERAL CONSTRUCTION NOTES

- CONTRACTOR AGREES THAT HE/SHE 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 OWNER AND TALL TREE ENGINEERING, INC. 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 ENGINEER.
- THE ENGINEER ASSUMES NO RESPONSIBILITY OTHER THAN FOR THE ADEQUACY OF THE DESIGN CONTAINED HEREIN.
- ALL MATERIALS TO BE USED ARE TO BE APPROVED BY THE ENGINEER PRIOR TO THEIR PLACEMENT. ANY MATERIALS INSTALLED PRIOR TO APPROVAL ARE SUBJECT TO REMOVAL.
- AFTER COMPLETION OF WORK, WORK AREAS SHALL BE RESTORED TO THE ORIGINAL CONDITION BY THE CONTRACTOR.
- LOCATION OF UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON PLANS ARE APPROXIMATE ONLY. CONTRACTOR SHALL ASSUME RESPONSIBILITY OF SAID UTILITIES SAFETY DURING CONSTRUCTION AND IF DAMAGED CONTRACTOR SHALL RESTORE SERVICES AT HIS EXPENSE. THE OWNER, THE ENGINEER AND THE PERMIT AUTHORITY ASSUME NO RESPONSIBILITY FOR ANY OBSTRUCTIONS EITHER SHOWN OR NOT SHOWN ON THESE PLANS.
- CONTRACTOR SHALL PERFORM TRENCH WORK IN ACCORDANCE WITH THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY. SAID WORK SHALL CONFORM TO ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH STANDARDS, RULES, REGULATIONS AND ORDERS ESTABLISHED BY THE STATE OF CALIFORNIA AND COUNTY OF MENDOCINO.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN AND BRING DISCREPANCIES TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
- ALL WORK SHALL CONFORM TO APPLICABLE COUNTY OF LAKE CODES AND STANDARDS.
- THE OWNER SHALL PROVIDE THE NECESSARY MATERIAL AND SOILS TESTING INSPECTIONS AND OBSERVATIONS. THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE PRIOR TO REQUIRED TESTING.
- ALL GRADING ON-SITE SHALL NOT INHIBIT OFF-SITE DRAINAGE, STRIPPING AND CLEARING OF SITE SHALL BE CONFINED TO ONLY AREAS TO BE IMPROVED. STOCKPILE STRIPPING MATERIAL AS AUTHORIZED BY THE OWNER. EQUIPMENT AND MATERIAL STORAGE AREAS SHALL BE APPROVED BY THE OWNER. EXCESS MATERIAL SHALL BE DISPOSED OFF SITE.
- PERMITTED WORK IN PUBLIC RIGHT OF WAY SHALL BE INSPECTED BY PUBLIC WORKS DEPARTMENT. THE CONTRACTOR SHALL CALL (707) 263-2341 A MINIMUM OF 24 HOURS IN ADVANCE OF COMMENCING WORK IN ORDER TO ARRANGE REQUIRED INSPECTIONS.
- SUBGRADE PREPARATION AND COMPACTION SHALL BE PERFORMED AS REQUIRED BY REGULATING AUTHORITY, CONTRACTOR SHALL VERIFY SUBGRADE ELEVATIONS AND ASSUME RESPONSIBILITY FOR THE PROJECT AT COMMENCEMENT OF CONSTRUCTION.
- THE TOPOGRAPHIC SURVEY SHOWN HEREIN WAS COMPLETED BY TALL TREE ENGINEERING INC. FOR QUESTIONS CONTACT DUSTIN FREDRICEY AT 707.409.4235
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED TRENCH PERMITS FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO EXCAVATION OF ANY TRENCH.
- BEFORE ANY EXCAVATION, CALL UNDERGROUND SERVICE ALERT, TOLL FREE AT (800) 642-2444 AT LEAST 2 WORKING DAYS BEFORE EXCAVATION.
- THE CONTRACTOR SHALL DO NO EXCAVATION UNTIL ALL EXISTING UTILITIES HAVE BEEN MARKED IN THE FIELD BY THE APPLICABLE ENTITY RESPONSIBLE FOR THAT PARTICULAR UTILITY. THE CONTRACTOR SHALL NOTIFY EACH UTILITY COMPANY AT LEAST 48 HOURS PRIOR TO STARTING WORK.
- ALL BIDDING CONTRACTORS SHALL INCLUDE IN THEIR BID TO THE OWNER A COST PER CUBIC YARD FOR ANY OVER-EXCAVATION REQUIRED BEYOND THAT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL ALSO PROVIDE A COST PER CUBIC YARD FOR IMPORT OF FILL.
- DEVELOPER SHALL PROVIDE FOR INSPECTION OF ALL PRIVATE IMPROVEMENTS BY THE PROJECT ENGINEER TO VERIFY THAT ALL WORK IS IN COMPLIANCE WITH THE APPROVED PROJECT PLANS. THE PROJECT ENGINEER SHALL PROVIDE A LETTER, STAMPED AND SIGNED, STATING THAT SAID WORK IS IN COMPLIANCE WAS PERSONALLY OBSERVED INCLUDING INSPECTION DATE(S).

OWNER:
Omar Malfavon
P.O. Box 361
Ukiah, CA 95482

SITE:
15365, 15187 Elk Mountain Road
Upper Lake, CA 95485
APNs: 002-021-04, -17



VICINITY MAP
NTS

GRADING NOTES

- PERFORM GRADING IN ACCORDANCE WITH THE LATEST EDITION OF CHAPTER 33 AND APPENDIX J OF THE CALIFORNIA BUILDING CODE, APPLICABLE COUNTY OF LAKE REGULATIONS AND THE PROJECT GEOTECHNICAL REPORT PREPARED BY TALL TREE ENGINEERING, INC.
- EXISTING DRAINAGE COURSES RECEIVING WATERS FROM THIS SITE AND LOCATED THROUGHOUT THIS SITE SHALL REMAIN OPEN AND CLEAR OF DEBRIS TO PROPERLY CONVEY STORM WATER. IF EXISTING DRAINAGE COURSES RECEIVING WATERS FROM THIS SITE ARE LOCATED IN THE CITY RIGHT-OF-WAY AND NEED MAINTENANCE, CONTACT THE DEPARTMENT PUBLIC WORKS FOR FURTHER ASSISTANCE. IN ANY EVENT, THE OWNER AND/OR CONTRACTOR SHALL BE HELD LIABLE FOR ANY DAMAGE DUE TO OBSTRUCTING NATURAL DRAINAGE PATTERNS.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER UPON DISCOVERING SIGNIFICANT DISCREPANCIES, ERRORS OR OMISSIONS IN THE PLANS. PRIOR TO PROCEEDING, THE OWNER SHALL HAVE THE PLANS REVISED TO CLARIFY IDENTIFIED DISCREPANCIES, ERRORS OR OMISSIONS. THE REVISED PLANS SHALL BE SUBJECT TO REVIEW AND APPROVAL BY THE COUNTY OF LAKE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UNDERGROUND SERVICE ALERT (U.S.A.), TOLL FREE AT 1-800-642-2444, AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION. THE CONTRACTOR SHALL UNCOVER RELEVANT UTILITIES TO VERIFY THEIR LOCATION AND ELEVATION. IF UNEXPECTED OR CONFLICTING UTILITIES ARE ENCOUNTERED DURING EXCAVATION, NOTIFY U.S.A., THE UTILITY OWNER AND/OR THE PROJECT ENGINEER IMMEDIATELY. UTILITIES INCLUDE BUT ARE NOT LIMITED TO WATER, SEWER, STORM DRAIN, ELECTRICAL, GAS, TELEPHONE AND CABLE/TV.
- IN THE EVENT CULTURAL RESOURCES (I.E., HISTORICAL, ARCHAEOLOGICAL AND PALEONTOLOGICAL RESOURCES, AND HUMAN REMAINS) ARE DISCOVERED DURING GRADING OR OTHER CONSTRUCTION ACTIVITIES, WORK SHALL BE HALTED WITHIN A 100 FOOT RADIUS OF THE FIND. THE NORTHWEST INFORMATION CENTER SHALL BE NOTIFIED AT (707) 664-0880. A QUALIFIED ARCHAEOLOGIST SHALL BE CONSULTED FOR AN ON-SITE EVALUATION. ADDITIONAL MITIGATION MAY BE REQUIRED BY THE COUNTY PER THE ARCHAEOLOGIST'S RECOMMENDATIONS. IF HUMAN BURIALS OR HUMAN REMAINS ARE ENCOUNTERED, THE CONTRACTOR SHALL ALSO NOTIFY THE COUNTY CORNER AT (707) 262-4215.
- SHOULD GRADING OPERATIONS ENCOUNTER HAZARDOUS MATERIALS, OR WHAT APPEAR TO BE HAZARDOUS MATERIALS, STOP WORK IN THE AFFECTED AREA IMMEDIATELY AND CONTACT 911 OR THE APPROPRIATE AGENCY FOR FURTHER INSTRUCTION.
- APPLICABLE PERMITS AND AN APPROVED COPY OF THE GRADING PLANS SHALL BE MAINTAINED ON THE PROJECT SITE THROUGHOUT THE DURATION OF CONSTRUCTION ACTIVITIES.
- DRAINAGE FACILITIES AND GRADING SHALL BE INSPECTED BEFORE RECEIVING FINAL APPROVAL. THE CONTRACTOR SHALL CONSULT WITH THE CITY OF WILLITS AND ENGINEER OF RECORD FOR COORDINATION OF INSPECTION REQUESTS.
- BACKFILL TO BE OF NATIVE OR ENGINEERED SOIL FREE OF ORGANIC MATTER WITH NO ROCKS, ROOTS, OR OTHER MATERIALS LARGER THAN 6" ALLOWED IN MIX. SOIL SHOULD BE COMPACTED TO 90% RC.

SHEET INDEX

- C1: TITLE SHEET, VICINITY MAP AND NOTES
- C2: OVERALL SITE PLAN, EROSION CONTROL NOTES
- C3: GRADING AND DRAINAGE IMPROVEMENT PLAN
- C4: SITE SECTIONS AND DETAILS

LEGEND:

— 300 —	FINISH GRADE CONTOUR
— 300 —	EXISTING GRADE CONTOUR
x FG 500.00	FINISH GRADE ELEVATION
x FL 500.00	FLOWLINE ELEVATION
---	SURFACE FLOWLINE

EARTHWORK SUMMARY

CUT =	1,250 cy	
FILL =	1,250 cy	
NET =	0 cy	BALANCED

AREA OF DISTURBANCE = 0.99 ACRES
SITE EROSION HAZARD RATING: SEVERE (WEB SOIL SURVEY, 2021)

NOTES:

- THE QUANTITIES LISTED ARE THE ENGINEER'S ESTIMATE OF SURFACE GRADING ONLY. ADDITIONAL SUBSURFACE GRADING WILL BE REQUIRED FOR BENCHING, KEYWAYS, ETC.
- CONTRACTOR IS RESPONSIBLE FOR HIS/HER OWN EARTHWORK QUANTITIES.
- NO EXPANSION/CONTRACTION FACTORS HAVE BEEN APPLIED. EXPANSION AND/OR CONTRACTION MAY BE EXPERIENCED DUE TO ACTUAL FIELD CONDITIONS.

PURPOSE STATEMENT

THE PURPOSE OF THIS IMPROVEMENT PLAN IS TO PROVIDE GRADING AND DRAINAGE RECOMMENDATIONS FOR THE CONSTRUCTION OF A COMMERCIAL BUILDING PAD.

REVISION	BY	DATE	<p style="font-size: small;">TALL TREE ENGINEERING Civil Engineering Land Planning</p> <p style="font-size: x-small;">APN: 002-021-04, -17</p>
<p>VANN RANCH - COMMERCIAL BUILDING SITE GRADING AND DRAINAGE IMPROVEMENT PLAN</p> <p style="font-size: x-small;">15365, 15187 Elk Mountain Road Upper Lake, CA 95485</p>			<p style="font-size: x-small;">Project: 22-08</p> <p style="font-size: x-small;">Date: 04/05/22</p> <p style="font-size: x-small;">Scale: AS SHOWN</p> <p style="font-size: x-small;">Drawn: dsf</p> <p style="font-size: x-small;">Sheet: C1 of 4</p>
<p style="font-size: x-small;">TALL TREE ENGINEERING INC. 1505 Chestnut Dr. Willits, CA 95490</p>			

EROSION PREVENTION AND SEDIMENT CONTROLS NOTES

- GENERAL**
1. PERFORM EROSION PREVENTION AND SEDIMENT DETENTION IN ACCORDANCE WITH SECTION 30-18.3c OF THE LAKE COUNTY GRADING ORDINANCE.
 2. THE APPROVED PLANS SHALL CONFORM WITH THE LAKE COUNTY EROSION PREVENTION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES AS DESCRIBED IN CHAPTER 30 OF THE LAKE COUNTY CODE.
 3. THE OWNER IS RESPONSIBLE FOR PREVENTING STORM WATER POLLUTION GENERATED FROM THE CONSTRUCTION SITE YEAR ROUND. WORK SITES WITH INADEQUATE EROSION AND SEDIMENT CONTROL MAY BE SUBJECT TO A STOP WORK ORDER.
 4. IF DISCREPANCIES OCCUR BETWEEN THESE NOTES, MATERIAL REFERENCED HEREIN OR MANUFACTURER'S RECOMMENDATIONS, THEN MOST PROTECTIVE SHALL APPLY.
 5. AT ALL TIMES THE OWNER IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH THE STATE OF CALIFORNIA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES OF STORM WATER RUNOFF ASSOCIATED WITH CONSTRUCTION ACTIVITY. CONSTRUCTION ACTIVITIES INCLUDE BUT ARE NOT LIMITED TO CLEANING, GRADING, EXCAVATION, STOCKPILING, AND RECONSTRUCTION OF EXISTING FACILITIES INVOLVING REMOVAL AND REPLACEMENT.

- RAINY SEASON OPERATIONS**
1. THE OWNER MUST IMPLEMENT AN EFFECTIVE COMBINATION OF EROSION PREVENTION AND SEDIMENT CONTROL ON ALL DISTURBED AREAS DURING THE RAINY SEASON (OCTOBER 15 - APRIL 15). CONSTRUCTION GRADING AND DRAINAGE IMPROVEMENT SHALL BE PERMITTED DURING THE RAINY SEASON ONLY WHEN ON-SITE SOIL CONDITIONS PERMIT THE WORK TO BE PERFORMED IN COMPLIANCE WITH LAKE COUNTY CODES AND ORDINANCES. STORM WATER BMPs REFERENCED OR DETAILED IN THE PERMIT AUTHORITY'S BEST MANAGEMENT PRACTICES GUIDE SHALL BE IMPLEMENTED AND FUNCTIONAL ON THE SITE AT ALL TIMES.
 2. THE AREA OF ERODIBLE LAND EXPOSED AT ANY ONE TIME DURING THE WORK SHALL NOT EXCEED 1 ACRE OR 20% OF THE PERMITTED WORK AREA, WHICHEVER IS GREATER, AND THE TIME OF EXPOSURE SHALL BE MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE.
 3. AGRICULTURAL GRADING AND DRAINAGE IMPROVEMENTS, AND INITIAL LAND PREPARATION WORK, SHALL BE PERMITTED DURING THE RAINY SEASON ONLY FROM APRIL 1 TO APRIL 15, AND ONLY WHEN ON-SITE SOIL CONDITIONS PERMIT THE WORK TO BE PERFORMED IN COMPLIANCE WITH LAKE COUNTY CODES AND ORDINANCES.

- YEAR ROUND REQUIREMENTS**
1. DURING THE NON-RAINNY SEASON, ON ANY DAY WHEN THE NATIONAL WEATHER SERVICE FORECAST IS A CHANCE OF RAIN OF 30% OR GREATER WITHIN THE NEXT 24 HOURS, STORM WATER BMPs REFERENCED OR DETAILED IN PMPS BEST MANAGEMENT PRACTICES GUIDE SHALL BE IMPLEMENTED, INSTALLED, AND FUNCTIONAL ON THE SITE TO PREVENT SOIL AND OTHER POLLUTANT DISCHARGES. AT ALL OTHER TIMES, BMPs SHOULD BE STORED ON SITE IN PREPARATION FOR INSTALLATION PRIOR TO RAIN EVENTS.

2. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED BY THE OWNER BEFORE FORECASTED STORM EVENTS AND AFTER STORM EVENTS TO ENSURE MEASURES ARE FUNCTIONING PROPERLY. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES THAT HAVE FAILED OR ARE NO LONGER EFFECTIVE SHALL BE PROMPTLY REPAIRED. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED.
3. THE LIMITS OF GRADING SHALL BE DEFINED AND MARKED ON SITE TO PREVENT DAMAGE TO SURROUNDING VEGETATION. PRESERVATION OF EXISTING VEGETATION SHALL OCCUR TO THE MAXIMUM EXTENT PRACTICABLE. ANY EXISTING VEGETATION WITHIN THE LIMITS OF GRADING THAT IS TO REMAIN UNDISTURBED BY THE WORK SHALL BE IDENTIFIED AND PROTECTED FROM DAMAGE BY MARKING, FENCING, OR OTHER MEASURES.
4. CHANGES TO THE EROSION PREVENTION PLAN AND SEDIMENT CONTROL PLAN MAY BE MADE TO RESPOND TO FIELD CONDITIONS AND SHALL BE NOTED ON THE PLAN.

5. DISCHARGES OF POTENTIAL POLLUTANTS FROM CONSTRUCTION SITES SHALL BE PREVENTED USING SOURCE CONTROLS TO THE MAXIMUM EXTENT PRACTICABLE. POTENTIAL POLLUTANTS INCLUDE ARE NOT LIMITED TO: SEDIMENT, TRASH, NUTRIENTS, PATHOGENS, PETROLEUM, HYDROCARBONS, METALS, CONCRETE, CEMENT, ASPHALT, LIME, PAINT, STAINS, GLUES, WOOD PRODUCTS, PESTICIDES, HERBICIDES, CHEMICALS, HAZARDOUS WASTE, SANITARY WASTE, OR EQUIPMENT WASH WATER, AND CHLORINATED WATER.
6. ENTRANCES TO THE CONSTRUCTION SITE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF POTENTIAL POLLUTANTS OFFSITE. POTENTIAL POLLUTANTS DEPOSITED ON PAVED AREAS WITHIN THE COUNTY RIGHT-OF-WAY SUCH AS ROADWAYS AND SIDEWALKS SHALL BE PROPERLY DISPOSED OF AT THE END OF EACH WORKING DAY OR MORE FREQUENTLY AS NECESSARY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING CONSTRUCTION WHEELS LEAVING THE SITE ON A DAILY BASIS TO PREVENT DUST, SILT, AND DIRT FROM BEING RELEASED OR TRACKED OFFSITE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AT THE END OF EACH WORKING DAY WHERE OFTEN AS NECESSARY.

7. ALL DISTURBED AREAS SHALL BE PROTECTED BY USING EROSION PREVENTION MEASURES TO THE MAXIMUM EXTENT PRACTICABLE, SUCH AS ESTABLISHING VEGETATION COVERAGE, HYDROSEEDING, STRAW MULCH, PERMANENT VEGETATION SHALL BE INSTALLED AS SOON AS PRACTICAL AFTER VEGETATION REMOVAL. BUT IN ALL CASES PRIOR TO OCTOBER 15 PRIOR TO FINAL INSPECTION, ALL DISTURBED AREAS SHALL BE REVEGETATED OR LANDSCAPING SHALL BE INSTALLED.
8. WHENEVER IT IS NOT POSSIBLE TO USE EROSION PREVENTION MEASURES ON EXPOSED SLOPES, SEDIMENT CONTROL DEVICES SUCH AS FIBER ROLLS AND SILT FENCES SHALL BE INSTALLED TO PREVENT SEDIMENT MIGRATION. FIBER ROLLS AND SILT FENCES SHALL BE TRENCHED AND KEED INTO THE SOIL AND INSTALLED ON CONTOUR. SILT FENCES SHALL BE INSTALLED APPROXIMATELY 2 TO 5 FEET FROM TOE OF SLOPE.

9. HYDROSEEDING SHALL BE CONDUCTED IN A THREE STEP PROCESS. FIRST, EVENLY APPLY SEED MIX AND FERTILIZER TO THE EXPOSED SLOPE. SECOND, EVENLY APPLY MULCH OVER THE SEED AND FERTILIZER. THIRD, STABILIZE THE MULCH IN PLACE. AN EQUIVALENT SINGLE STEP PROCESS, WITH SEED, FERTILIZER, WATER, AND BONDED FIBERS IS ACCEPTABLE. APPLICATIONS SHALL BE BROADCASTED MECHANICALLY OR MANUALLY AT THE RATES SPECIFIED BELOW. SEED MIX AND FERTILIZER SHALL BE WORKED INTO THE SOIL BY ROLLING OR TAMPING. IF STRAW IS USED AS MULCH, STRAW SHALL BE DERIVED FROM WHEAT, RICE, OR BARLEY AND BE APPROXIMATELY 6 TO 8 INCHES IN LENGTH. STABILIZATION OF MULCH SHALL BE DONE HYDRAULICALLY BY APPLYING AN EMULSION OR MECHANICALLY BY CRIMPING OR PUNCHING THE MULCH INTO THE SOIL. EQUIVALENT METHODS AND MATERIALS MAY BE USED ONLY IF THEY ADEQUATELY PROMOTE VEGETATION GROWTH AND PROTECT EXPOSED SLOPES.

MATERIALS	APPLICATION RATE (POUNDS PER ACRE)
SEED MIX	
BROMUS MOLLIS (BLANDO BROME)	40
TRIFOLIUM HIRTUM (HYKON ROSE CLOVER)	20
FERTILIZER	
20-0-0 & 15% SULPHUR	500
MULCH	
STRAW	4000
HYDRAULIC STABILIZING*	75-100
*BONDED OR SENTINEL EQUIVALENT MATERIAL	PER MANUFACTURER
*NON-ASPHALTIC, DERIVED FROM PLANTS	

10. DUST CONTROL SHALL BE PROVIDED BY CONTRACTOR DURING ALL PHASES OF CONSTRUCTION.
11. STORM DRAIN INLETS SHALL BE PROTECTED FROM POTENTIAL POLLUTANTS UNTIL DRAINAGE CONVEYANCE SYSTEMS ARE FUNCTIONAL AND CONSTRUCTION HAS BEEN COMPLETED.
12. ENERGY DISSIPATORS SHALL BE INSTALLED AT STORM DRAIN OUTLETS WHICH MAY CONVEY EROSION STORM WATER FLOW.
13. SOIL MATERIAL STOCKPILES, AND FERTILIZING MATERIAL SHALL BE PROPERLY PROTECTED TO MINIMIZE SEDIMENT AND POLLUTANT TRANSPORT FROM THE CONSTRUCTION SITE.
14. SOLID WASTE, SUCH AS TRASH, DISCARDED BUILDING MATERIALS AND DEBRIS SHALL BE PLACED IN DESIGNATED COLLECTION AREAS OR CONTAINERS. THE CONSTRUCTION SITE SHALL BE CLEARED OF SOLID WASTE DAILY OR AS NECESSARY. REGULAR REMOVAL AND PROPER DISPOSAL SHALL BE COORDINATED BY THE CONTRACTOR.
15. A CONCRETE WASHOUT AREA, SUCH AS A TEMPORARY PIT, SHALL BE DESIGNATED TO CLEAN CONCRETE TRUCKS AND TOOLS. AT NO TIME SHALL CONCRETE PRODUCTS AND WASTE BE ALLOWED TO ENTER COUNTY WATERWAYS. SUCH AS CHECKS OR STORM DRAINS. NO WASHOUT OF CONCRETE, MORTAR MIXERS, OR TRUCKS SHALL BE ALLOWED ON SOIL.
16. PROPER APPLICATION, CLEANING, AND STORAGE OF POTENTIALLY HAZARDOUS MATERIALS, SUCH AS PAINTS AND CHEMICALS, SHALL BE CONDUCTED TO PREVENT THE DISCHARGE OF POLLUTANTS.
17. TEMPORARY RESTROOMS AND SANITARY FACILITIES SHALL BE LOCATED AND MAINTAINED DURING CONSTRUCTION ACTIVITIES TO PREVENT THE DISCHARGE OF POLLUTANTS.
18. APPROPRIATE VEHICLE STORAGE, FUELING, MAINTENANCE, AND CLEANING AREAS SHALL BE DESIGNATED AND MAINTAINED TO PREVENT DISCHARGE OF POLLUTANTS.



REVISION	DESCRIPTION	BY	DATE

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Civil Engineering | Land Planning

Tall Tree Engineering Inc.
1505 Chestnut Dr.
Willits, CA 95490

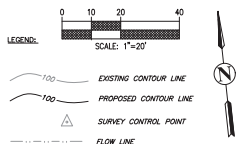
APN: 002-021-04, -17

VANN RANCH - COMMERCIAL BUILDING SITE
GRADING AND DRAINAGE IMPROVEMENT PLAN
15365, 15187 Elk Mountain Road
Upper Lake, CA 95485

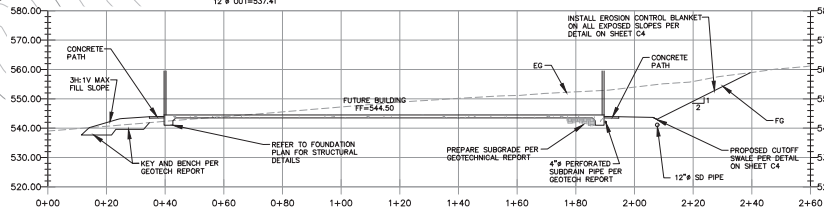
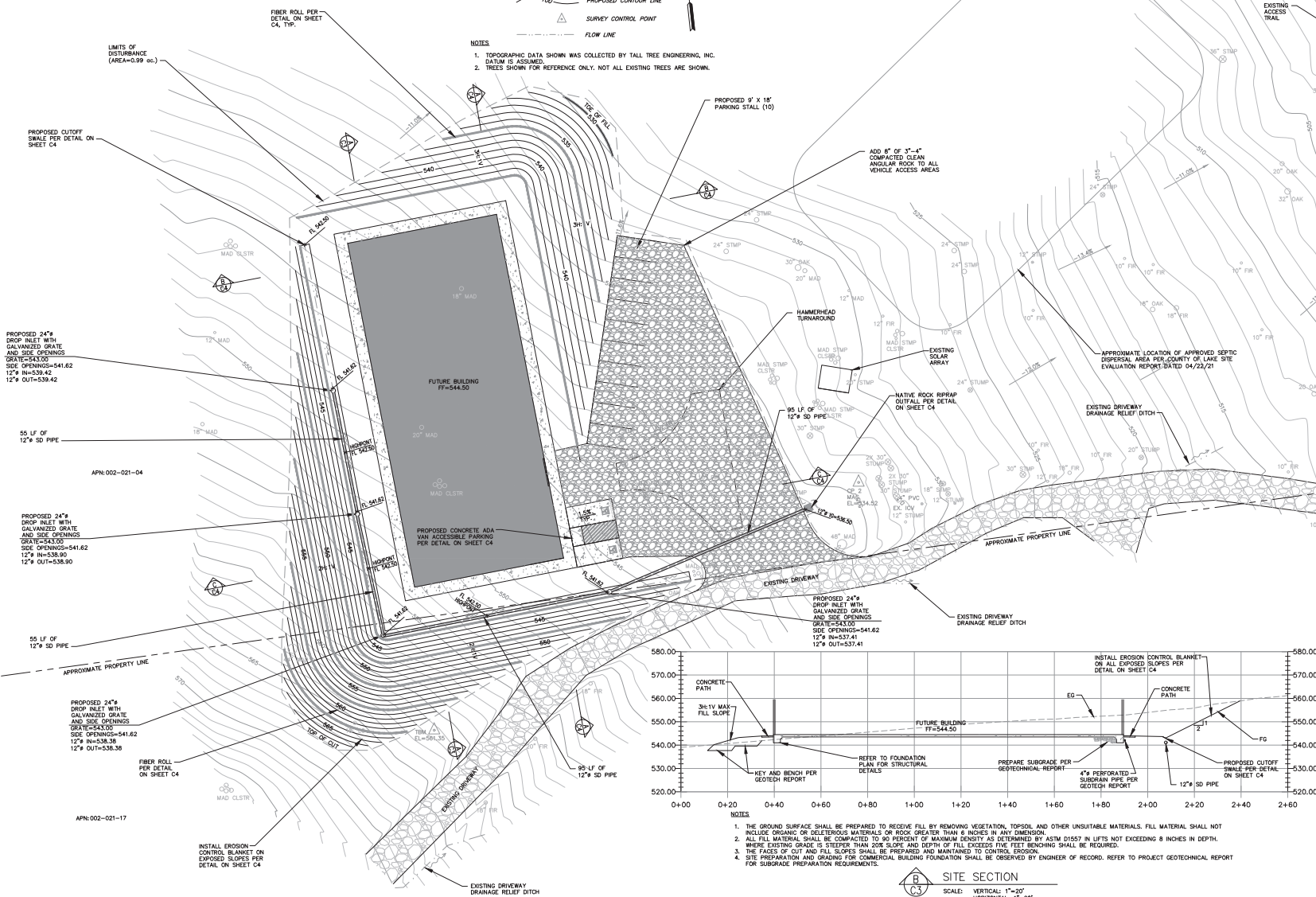
OVERALL SITE PLAN AND EROSION CONTROL NOTES

Project: 22-08
Date: 04/05/22
Scale: 1"=40'
Drawn: dsf
Sheet: C2 of 4

FINISH GRADING AND DRAINAGE PLAN



- NOTES**
1. TOPOGRAPHIC DATA SHOWN WAS COLLECTED BY TALL TREE ENGINEERING, INC. DATUM IS ASSUMED.
 2. TREES SHOWN FOR REFERENCE ONLY. NOT ALL EXISTING TREES ARE SHOWN.



- NOTES**
1. THE GROUND SURFACE SHALL BE PREPARED TO RECEIVE FILL BY REMOVING VEGETATION, TOPSOIL AND OTHER UNSUITABLE MATERIALS. FILL MATERIAL SHALL NOT INCLUDE ORGANIC OR RELUCTANT MATERIALS OR ROCK GREATER THAN 8 INCHES IN ANY DIMENSION.
 2. ALL FILL MATERIAL SHALL BE COMPACTED TO 90 PERCENT OF MAXIMUM DENSITY AS DETERMINED BY ASTM D1557 IN LIFTS NOT EXCEEDING 8 INCHES IN DEPTH. WHERE EXISTING GRADE IS STEEPER THAN 20% SLOPE AND DEPTH OF FILL EXCEEDS FIVE FEET BENCHING SHALL BE REQUIRED.
 3. THE FACES OF CUT AND FILL SLOPES SHALL BE PREPARED AND MAINTAINED TO CONTROL EROSION.
 4. SITE PREPARATION AND GRADING FOR COMMERCIAL BUILDING FOUNDATION SHALL BE OBSERVED BY ENGINEER OF RECORD. REFER TO PROJECT GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION REQUIREMENTS.

SITE SECTION
SCALE: VERTICAL: 1"=20"
HORIZONTAL: 1"=20"

REVISION	DESCRIPTION	BY	DATE

APN: 002-021-04-17

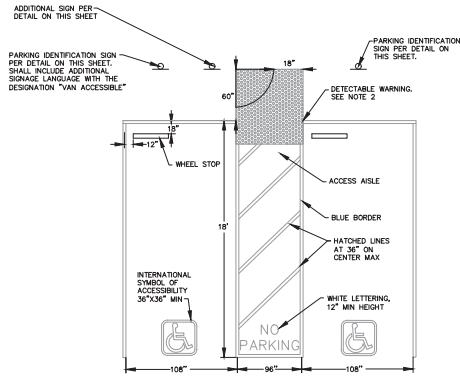
TALL TREE ENGINEERING
Civil Engineering | Land Planning

Tall Tree Engineering Inc.
1505 Castel Dr.
Willits, CA 95490

VANN RANCH - COMMERCIAL BUILDING SITE
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15385, 15187 Elk Mountain Road
Upper Lake, CA 95485

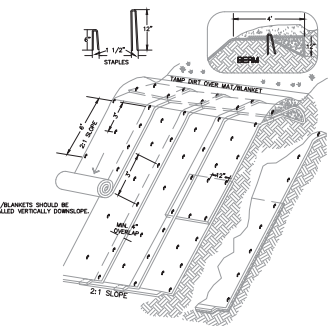
FINISH GRADING AND DRAINAGE PLAN

Project: 22-08
Date: 04/05/22
Scale: 1"=20'
Drawn: dsf
Sheet: C3 of 4



VAN ACCESSIBLE STALLS

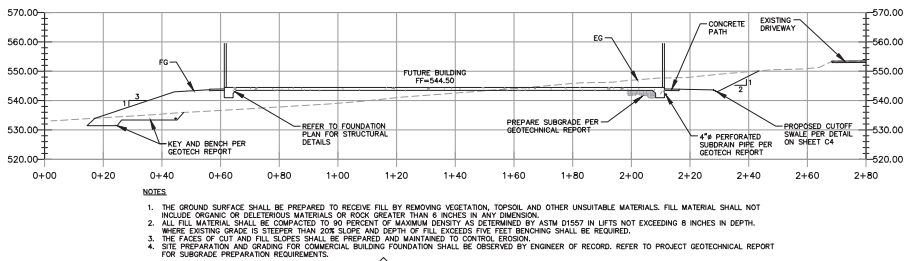
NOTE:
 1. VAN ACCESSIBLE STALLS SHALL BE PERMITTED TO BE 104" WIDE MIN. WHERE THE VEHICLE ACCESS AISLE IS 94" MIN. REFER TO 2019 CBC SECTION 11B.
 2. DETECTABLE WARNING SHALL BE THE FULL WIDTH OF THE ACCESS AISLE. REFER TO 2019 CBC SECTION 11B.



- NOTES:
1. INSTALL JUTE NETTING EROSION CONTROL BLANKET OR EQUIVALENT OTHER.
 2. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
 3. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
 4. HYDROSEEDING PER THE NOTES ON THIS PAGE CAN BE USED AS AN ALTERNATIVE TO THE EROSION BLANKETS.

EROSION BLANKETS & TURF REINFORCEMENT MATS FOR SLOPE INSTALLATION

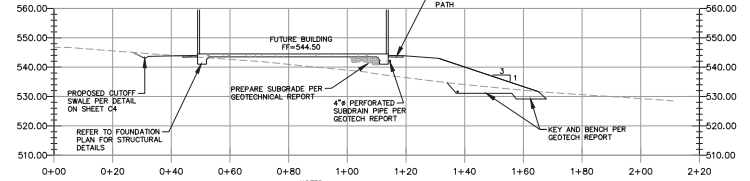
NTS



- NOTES:
1. THE GROUND SURFACE SHALL BE PREPARED TO RECEIVE FILL BY REMOVING VEGETATION, TOPSOIL AND OTHER UNSUITABLE MATERIALS. FILL MATERIAL SHALL NOT INCLUDE ORGANIC OR DELETERIOUS MATERIALS OR ROCK GREATER THAN 6 INCHES IN ANY DIMENSION.
 2. ALL FILL MATERIAL SHALL BE COMPACTED TO 90 PERCENT OF MAXIMUM DENSITY AS DETERMINED BY ASTM D1557 IN LIFTS NOT EXCEEDING 8 INCHES IN DEPTH. WHERE EXISTING GRADE IS STEEPER THAN 20% SLOPE AND DEPTH OF FILL EXCEEDS FIVE FEET BENCHING SHALL BE REQUIRED.
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SITE SECTION A-C4

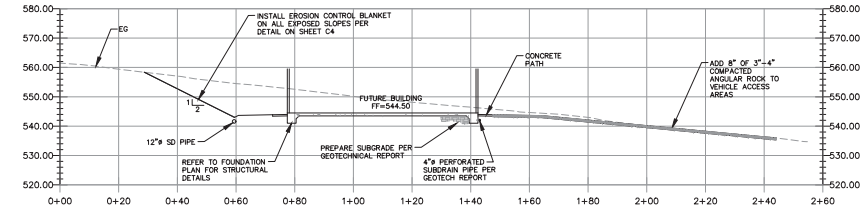
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 HORIZONTAL: 1"=20'



- NOTES:
1. ALL NOTES FROM A/C4 APPLY.

SITE SECTION B-C4

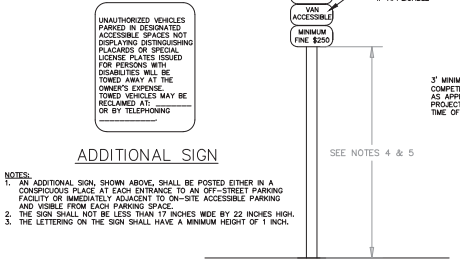
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- NOTES:
1. ALL NOTES FROM A/C4 APPLY.

SITE SECTION C-C4

SCALE: VERTICAL: 1"=20'
 HORIZONTAL: 1"=20'



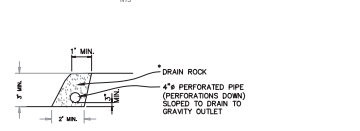
ADDITIONAL SIGN

SEE NOTES 4 & 5

PARKING IDENTIFICATION SIGN

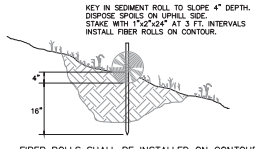
- NOTES:
1. PARKING IDENTIFICATION SIGNS SHALL BE REFLECTORIZED WITH A MINIMUM AREA OF 70 SQUARE INCHES.
 2. ADDITIONAL LANGUAGE OR AN ADDITIONAL SIGN BELOW THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL STATE "MINIMUM FINE \$250".
 3. A PARKING SPACE IDENTIFICATION SIGN SHALL BE VISIBLE FROM EACH PARKING SPACE. SIGNS SHALL BE PERMANENTLY POSTED EITHER IMMEDIATELY ADJACENT TO THE PARKING SPACE OR WITHIN THE PROJECTED PARKING SPACE WIDTH AT THE HEAD END OF THE PARKING SPACE. SIGNS MAY ALSO BE PERMANENTLY POSTED ON A WALL AT THE INTERIOR END OF THE PARKING SPACE.
 4. SIGNS SHALL BE 60 INCHES MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN.
 5. SIGNS LOCATED WITHIN AN ACCESSIBLE ROUTE SHALL BE A MINIMUM OF 80 INCHES ABOVE THE FINISH FLOOR OR GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN.

TYPICAL FILL SLOPE



- * DRAIN ROCK SHALL BE CLEAN, FREE DRAINING AND MEET THE REQUIREMENTS FOR CLASS 2 PERMEABLE MATERIAL SECTION 68 OF STATE OF CALIFORNIA "CALTRANS" STANDARD SPECIFICATIONS. AS AN ALTERNATIVE, NON-WOVEN FILTER FABRIC (MIRAFI 140N OR EQUIVALENT) WRAPPED AROUND 8" - 12" DRAIN ROCK MAY BE USED, DEPENDING ON ACTUAL CONDITIONS ENCOUNTERED.

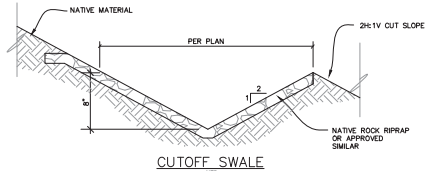
SUBDRAIN DETAIL



- NOTES:
1. LOCATE FIBER ROLLS ON LEVEL CONTOURS SPACED AS FOLLOWS:
 4'-11" - 20'
 2'-11" - 10'
 >20' - 1'-10'
 2. REFER TO THE CALIFORNIA STORMWATER BMP HANDBOOK FOR DETAILED INSTALLATION INSTRUCTIONS.

FIBER ROLL INSTALLATION

NTS



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 Tall Tree Engineering Inc.
 1505 Castel Dr.
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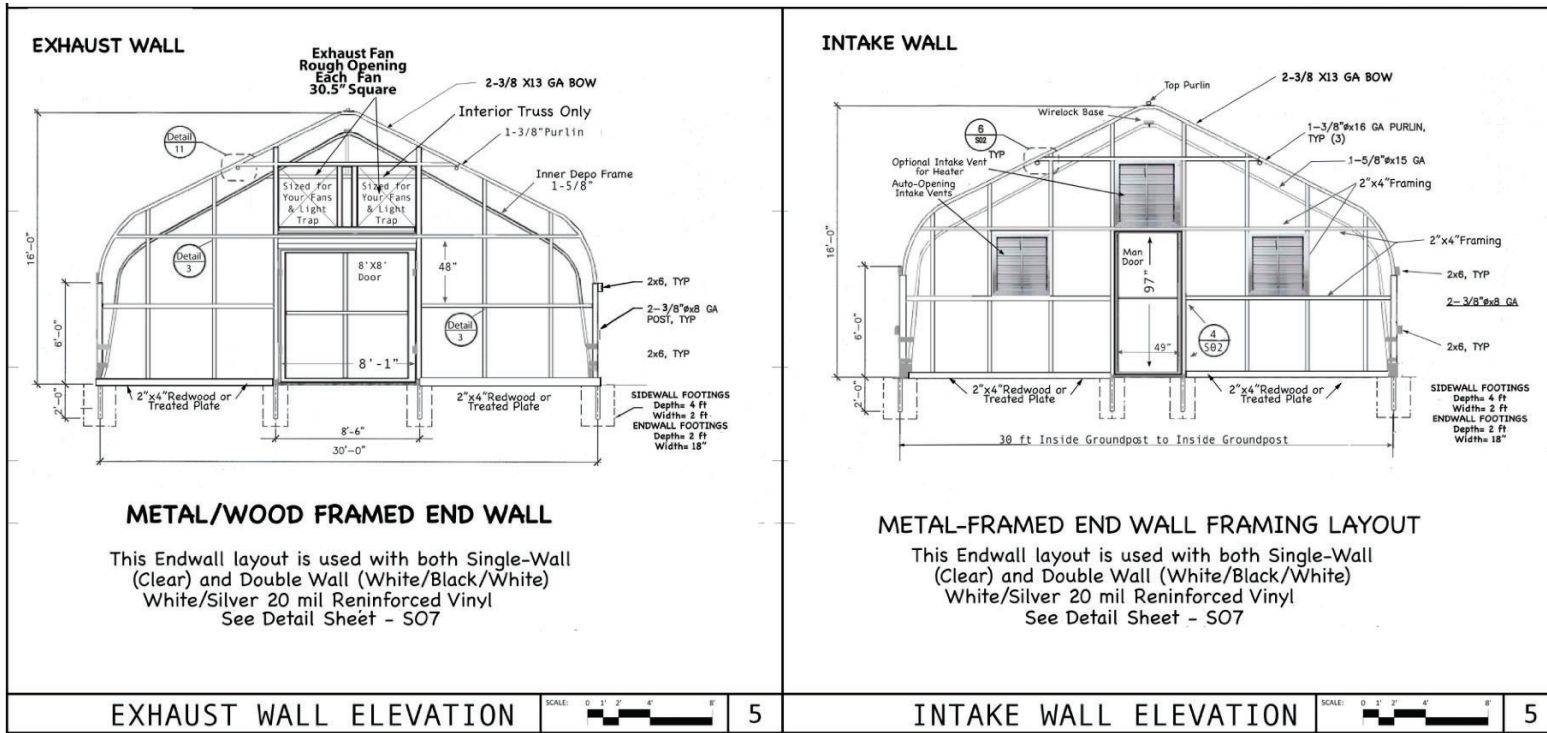
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C4 of 4

SITE SECTIONS AND DETAILS

NURSERY GREENHOUSE ELEVATIONS



PROPOSED PROCESSING FACILITY ELEVATION

(Proposed Metal Building on Concrete Slab)

