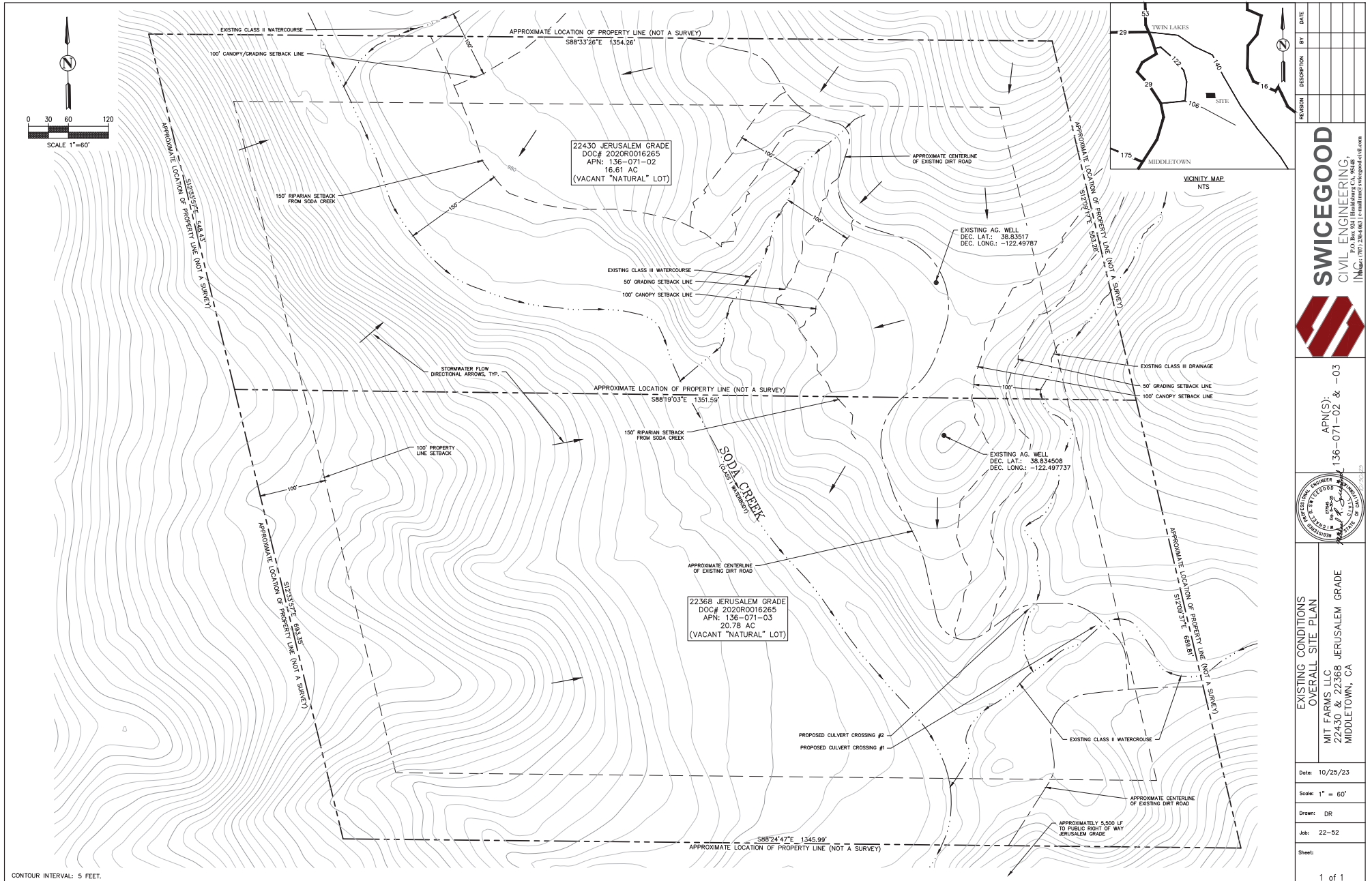
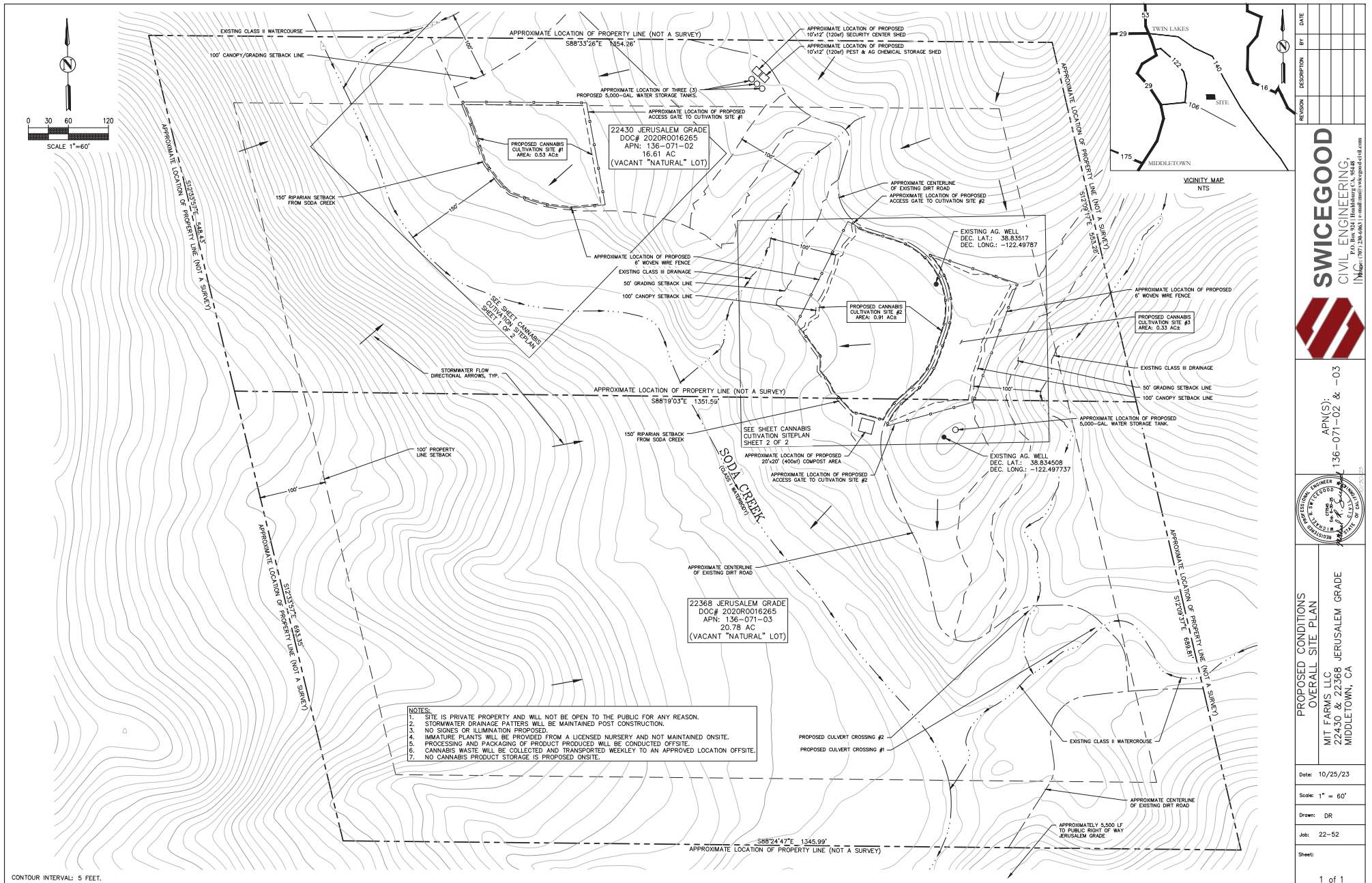
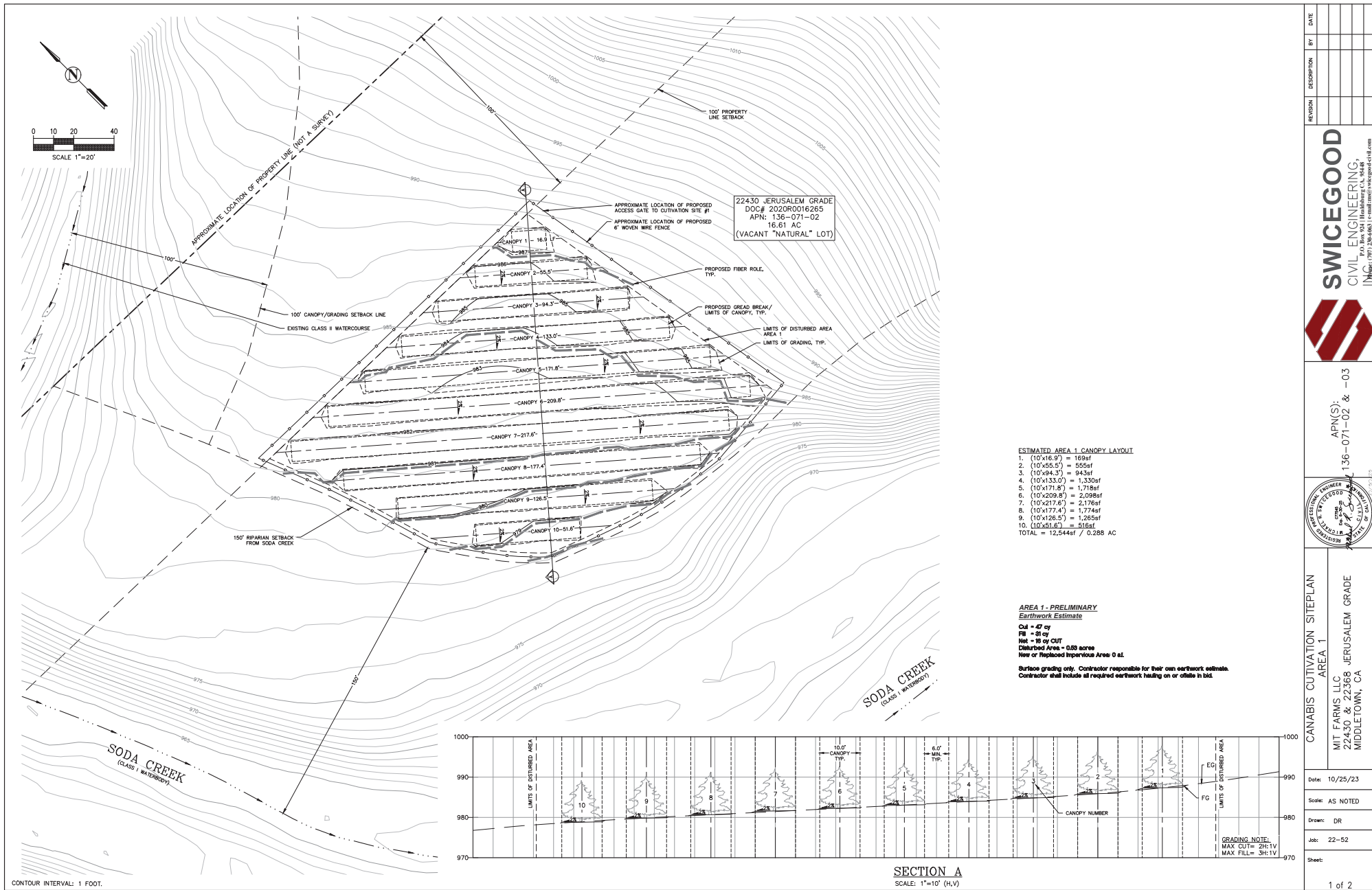


Attachment 1







REVISION	DESCRIPTION	BY	DATE

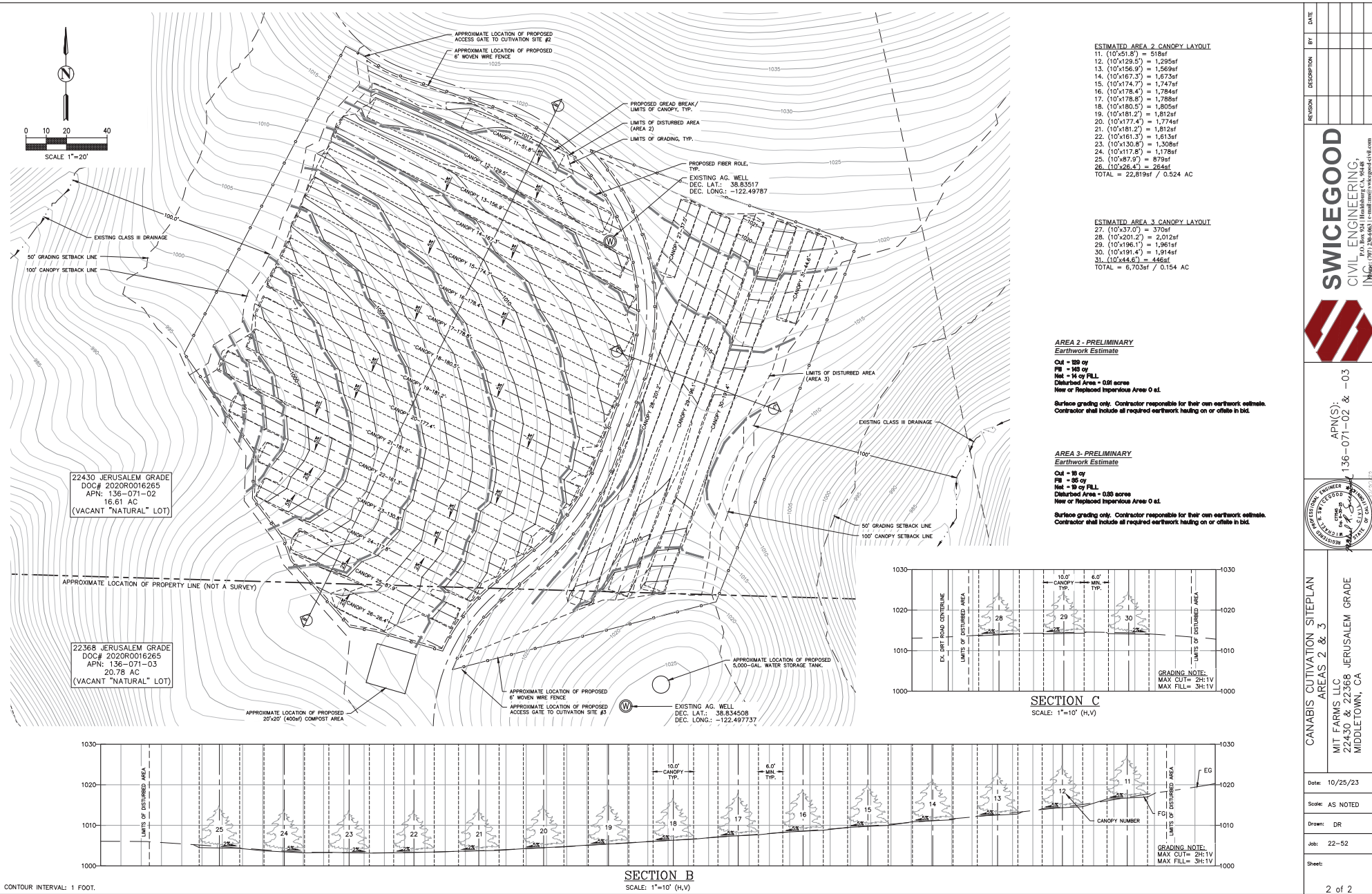
SWICEGOOD
CIVIL ENGINEERING, INC.
11001 100th Ave SE, Suite 100, Everett, WA 98203
PH: 425.336.4663 | Email: info@swicegood.com

APN(S): 136-071-02 & -03

CANABIS CULTIVATION SITEPLAN
AREA 1

MIT FARMS LLC
22430 & 22368 JERUSALEM GRADE
MIDDLETOWN, CA

Date: 10/25/23
Scale: AS NOTED
Drawn: DR
Job: 22-52
Sheet: 1 of 2



REVISION	DESCRIPTION	BY	DATE

SWICEGOOD
CIVIL ENGINEERING,
INC. 1001 25th Ave. S.
Middletown, NJ 07041
Tel: 908.234.6666
Fax: 908.234.6667
Email: info@swicegood.com

APN(S): 136-071-02 & -03

CANABIS CUITIVATION SITEPLAN
AREAS 2 & 3

MIT FARMS LLC
22430 & 22368 JERUSALEM GRADE
MIDDLETOWN, NJ

Date: 10/25/23

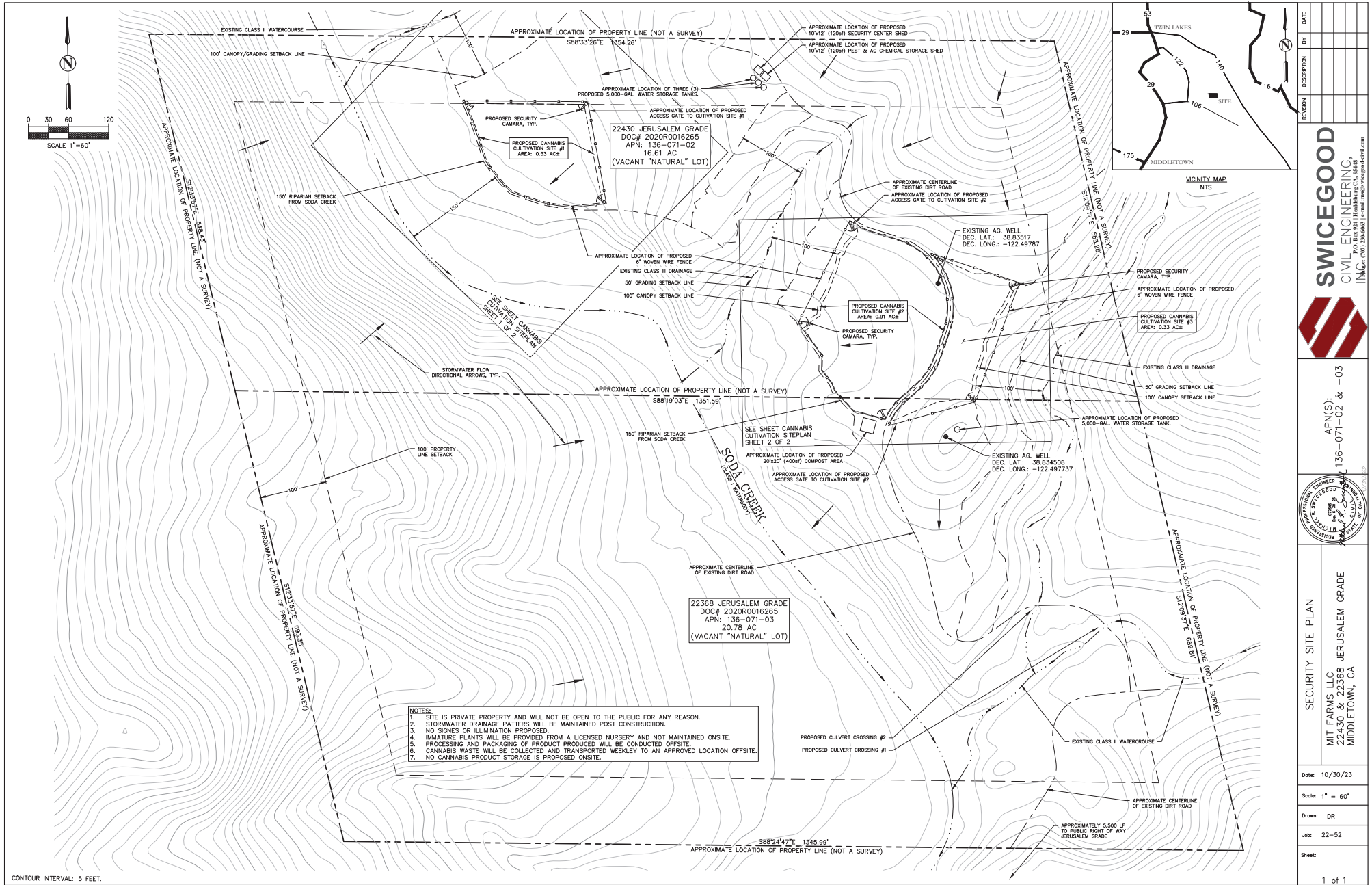
Scale: AS NOTED

Drawn: DR

Job: 22-52


Sheet:

2 of 2



CONTOUR INTERVAL: 5 FEET.


REVISION	DESCRIPTION	BY	DATE



SWICEGOOD
CIVIL ENGINEERING,
INC. 1701 28th Ave.
Middletown, CA 94561
Tel: (925) 771-1111
Fax: (925) 771-1112
Email: info@swicegood.com

APN(S): 22430 & 22368 JERUSALEM GRADE
MIDDLETOWN, CA

136-071-02 & -03



REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
LICENSE NO. 50818
EXPIRATION DATE 12/31/2024

SECURITY SITE PLAN

MIT FARMS LLC
22430 & 22368 JERUSALEM GRADE
MIDDLETOWN, CA

Date: 10/30/23

Scale: 1" = 60'

Drawn: DR

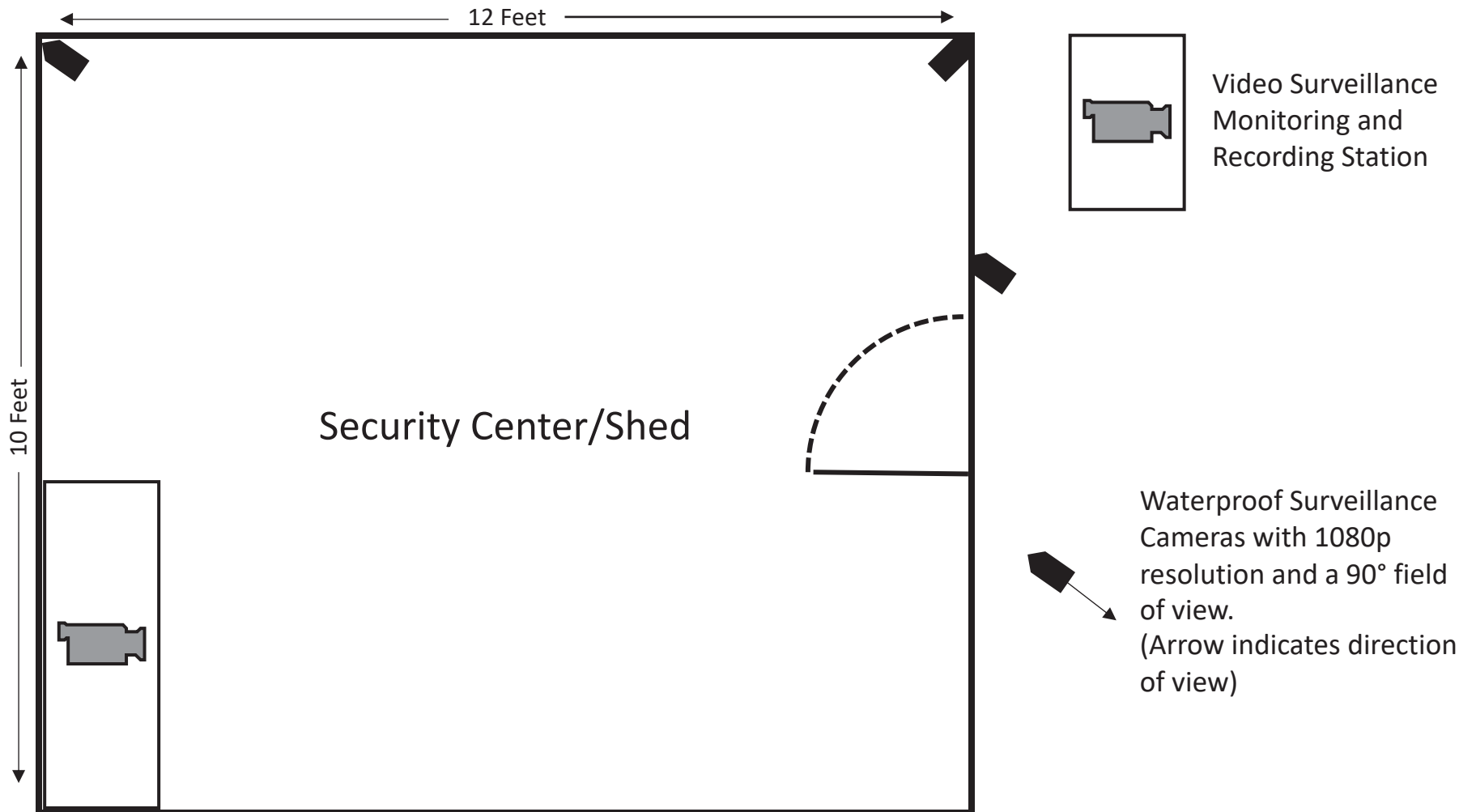
Job: 22-52

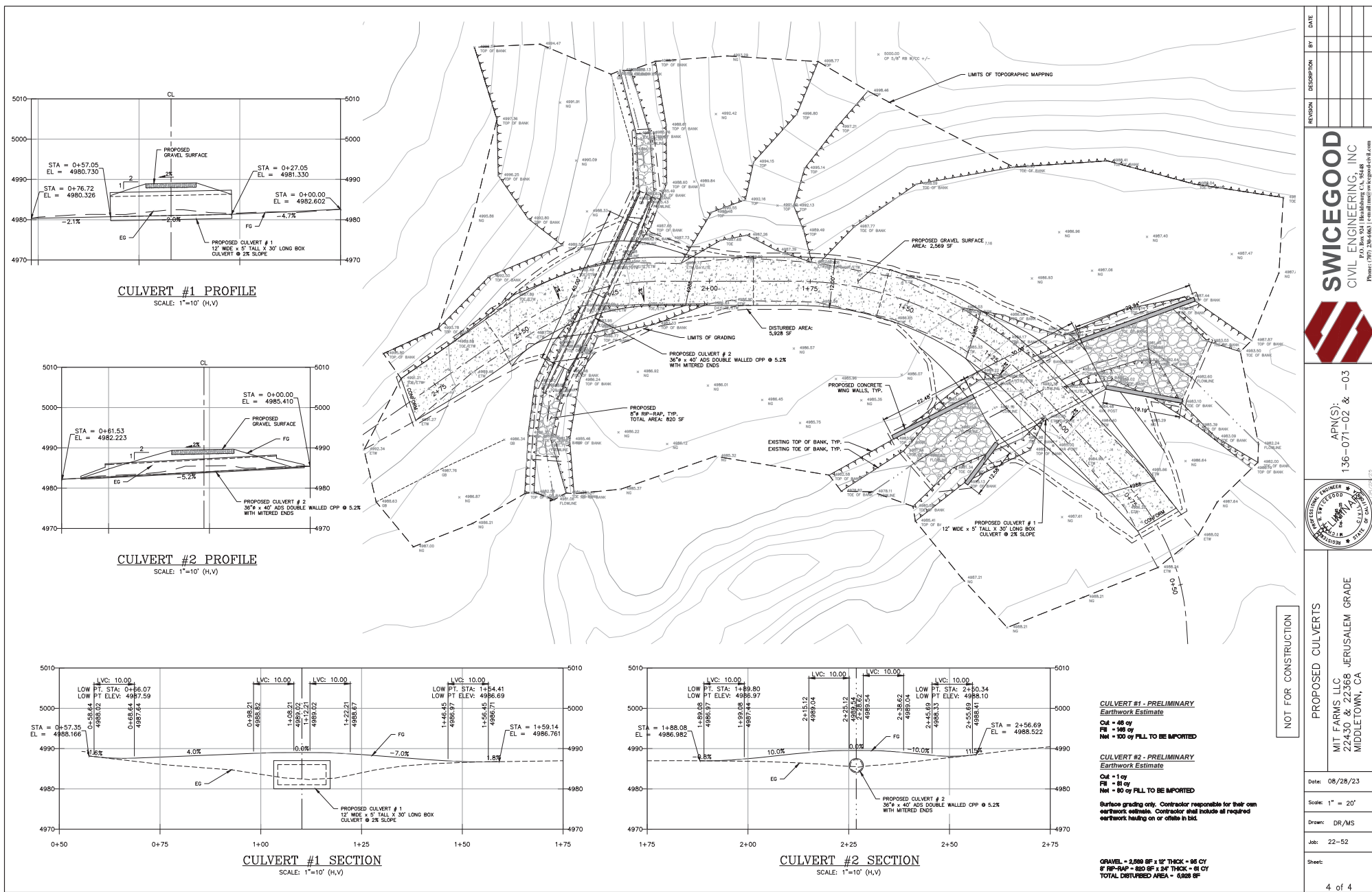
Sheet:

1 of 1

Security Shed Layout

(Proposed Wooden Shed)





REVISION	DESCRIPTION	BY	DATE

SWICEGOOD
CIVIL ENGINEERING, INC.
1000 N. 10th St., Suite 100
Middletown, NJ 07748
Phone: (201) 234-6661 | Email: info@swicegood.com

APN(S): 136-071-02 & -03

PROPOSED CULVERTS
MIT FARMS LLC
22430 & 22368 JERUSALEM GRADE
MIDDLETOWN, NJ

Date: 08/28/23
Scale: 1" = 20'
Drawn: DR/MS
Job: 22-52
Sheet:
4 of 4

LEGEND

	BENCH MARK
	SPOT ELEVATION
	RANDOM CONTROL POINT W/W
	WATER METER
	BACK FLOW PREVENTION DEVICE
	GAS METER
	ELECTRIC METER
	COMMUNICATION BOX
	MAIL BOX
	UTILITY POLE W/ GUY WIRE
	STREET LIGHT
	TRAFFIC SIGN
	SEWER MANHOLE
	GATE VALVE
	STORMDRAIN CLEANOUT
	SEWER CLEANOUT
	STORM DRAIN MANHOLE
	STORM DRAIN CATCH BASIN
	STORM DRAIN DROP INLET
	DOWNSPOUT WITH SPLASHBLOCK
	WELL
	FIRE HYDRANT
	WATER VALVE
	WATER BLOWOFF VALVE
	BOLLARD
	EXISTING TREE
	TREE TO BE REMOVED
	TREE DRIP LINE
	WALL DESIGN
	PROPERTY LINE (APPROX)
	ADJOINING PROPERTY LINE
	EASEMENT/APPROX
	BOUNDARY SETBACK
	CENTERLINE
	EXISTING CONTOUR MAJOR
	EXISTING CONTOUR MINOR
	PROPOSED CONTOUR MAJOR
	PROPOSED CONTOUR MINOR
	EXISTING WIRE FENCE
	EXISTING WOOD FENCE
	EXISTING FLOWLINE
	EXISTING TOP OF SLOPE
	EXISTING TOE OF SLOPE
	EXISTING STORMDRAIN
	EXISTING GRADE BREAK
	EXISTING GAS LINE
	EXISTING OVERHEAD LINE
	EXISTING UNDERGROUND ELECTRIC
	EXISTING SEWER LINE
	EXISTING WATER LINE
	PROPOSED GAS LINE
	PROPOSED UNDERGROUND ELECTRIC
	PROPOSED SEWER LINE
	PROPOSED WATER LINE
	LIMITS OF GRADING AREA
	LIMITS OF DISTURBED AREA
	PROPOSED ROOF OVERHANG
	PROPOSED GRADE BREAK
	PROPOSED FIBER ROLL
	PROPOSED SILT FENCE
	PROPOSED STORMDRAIN
	PROPOSED FLOWLINE
	EXISTING GRAVEL SURFACE
	EXISTING AC PAVEMENT
	EXISTING CONCRETE SURFACE
	EXISTING DECK
	EXISTING BUILDING
	PROPOSED BUILDING
	LEACHFIELD AREA(APPROX)
	PROPOSED SEPTIC
	PRIMARY FILL AREA
	PROPOSED SEPTIC
	PRIMARY AREA
	PROPOSED SEPTIC
	RESERVE AREA
	PROPOSED RETAINING WALL
	PROPOSED GRAVEL SURFACE
	PROPOSED AC PAVEMENT
	PROPOSED CONCRETE SURFACE

ABBREVIATIONS

AC	ASPHALT CONCRETE
AGG.	AGGREGATE
APPROX.	APPROXIMATE
AVE.	AVENUE
BC	BEGIN HORIZONTAL CURVE
BLD.	BUILDING
BM	BENCHMARK
BO	BLOWOFF
BOW	BACK OF WALL
BSL	BUILDING SETBACK LINE
BVC	BEGIN VERTICAL CURVE
BW	BOTTOM WALL
C	CUT
CB	CATCH BASIN
C&G	CURB AND GUTTER
OPP	CAST-IN-PLACE-PIPE
CL	CENTERLINE OR CLASS
COMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC.	CONCRETE
CTR	CENTER
CY	CUBIC YARD
DI	DROP INLET
DIA.	DIAMETER
DIP	DUCTILE IRON PIPE
DR.	DRIVE
DS	DOWN SPOUT
DWG	DRIVEWAY
DWG	DRAWING
EC	END HORIZONTAL CURVE
EG	EXISTING GRADE
EI	EXPANSION INDEX
EL	ELEVATION
EP	EDGE OF PAVEMENT
ESMT.	EASEMENT
EVC	END VERTICAL CURVE
EX	EXISTING
F	FILL
FC	FACE OF CURB
FF	FINISH FLOOR
FG	FINISH GRADE
FI	FIRE HYDRANT
FL	FINISH GRADE
FSS	FINISHED SURFACE
FT	FIRE SAFE STANDARDS
FT	FOOT
GALV.	GALVANIZED
GB	GRADE BREAK
GM	GRAVITY MAIN
GV	GATE VALVE
HYD	HYDRANT
IG	INVERT GRADE
INV.	INVERT
JP	JOINT POLE
JT	JOINT TRENCH
L	LENGTH
LF	LINEAR FEET
LG	LIP OF GUTTER
MAX.	MAXIMUM
MIN.	MINIMUM
MH	MANHOLE
NA	NOT APPLICABLE
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
P.C.C.	PORTLAND CEMENT CONCRETE
PL	PROPERTY LINE
PM	PRESSURE MAIN
POC	POINT OF CURVE
PP	POWER POLE
PRC	POINT OF REVERSE CURVE
PT	POINT
P.U.E.	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
PW	POINT OF VERTICAL INTERSECTION
PWMT.	PAVEMENT
PW	PROCESS WATER
R	RADIUS
R OR RAD.	RELATIVE COMPACTION
R.C.	REINFORCED CONCRETE BOX
RCP	REINFORCED CONCRETE PIPE
REF.	REFERENCE
RL	ROOF LEADER
ROW	RIGHT OF WAY
S	SLOPE OR SOUTH
S.A.D.	SEE ARCHITECTURAL DRAWING
S.E.	SEWER EASEMENT
SD	STORM DRAIN
SDCB	STORM DRAIN CATCH BASIN
SDMH	STORM DRAIN MANHOLE
S.D.	SEE LANDSCAPE DRAWING
SMP	SMOOTH METAL PIPE
SPEC.	SPECIFICATION
SP	SMOOTH PLASTIC PIPE
SS	SANITARY SEWER
S.S.D.	SEE STRUCTURAL DRAWING
SSMH	SANITARY SEWER MANHOLE
ST.	STREET OR SEMI-TANGENT
STA.	STATION
STD.	STANDARD
SW	SIDEWALK
SWE	SIDEWALK EASEMENT
S.Y.	SQUARE YARD
T	TANGENT
TB	TOP OF BANK OR BOX
TBC	TOP BACK OF CURB
TG	TOP OF CURB
TG	TOP OF GRATE
TG	TOE OF SLOPE
TW	TOP OF WALL
TYP.	TYPICAL
U.S.P.	UNLESS OTHERWISE SPECIFIED
V.C.	UNDER SEPARATE PERMIT
V.C.	VERTICAL CURVE
V.I.F.	VERIFY IN FIELD
V.I.	VERTICAL POINT OF INTERSECTION
W	WATER OR WEST
W.S.	WATER SERVICE

LANDS OF TAIX

ENGINEERED GRADING, DRAINAGE AND EROSION CONTROL PLAN

22368 JERUSALEM GRADE
MIDDLETOWN, CA 95461

ASSESSOR'S PARCEL NUMBER:
136-071-03

THE PURPOSE OF THIS PROJECT IS THE INSTALLATION OF TWO NEW CULVERTS
AND ASSOCIATED GRADING TO IMPROVE THE EXISTING SITE ACCESS ROAD.

Sheet Index

- C1. TITLE SHEET
- C2. NOTES AND EROSION CONTROL DETAILS
- C3. OVERALL SITE PLAN
- C4. GRADING PLAN
- C5. DRIVEWAY PROFILE AND CULVERT SECTIONS
- C6. DRIVEWAY SECTIONS AND DETAILS

Project Information

PROJECT ADDRESS	22368 JERUSALEM GRADE MIDDLETOWN, CA 95461
OWNER/DEVELOPER :	NICOLAS TAIX MIT FARMS, LLC. 729-380 WENDEL ROAD WENDEL, CA 96136 PH: 310-741-2303
CIVIL ENGINEER :	SWICEGOOD CIVIL ENGINEERING, INC. P.O. BOX 924 HEALDSBURG, CA. 95448 PH: 707-230-6063
LAND SURVEYOR :	CONSER LAND SURVEYING 650 SOUTH MAIN STREET LAKEPORT, CA 95453 PH: 707-263-5512
ACRES :	20.66

CULVERT #1 - Earthwork Estimate

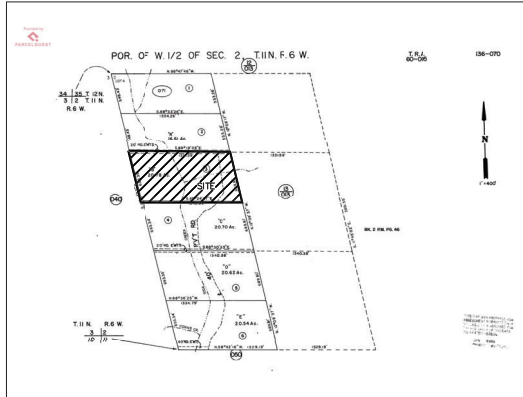
Out = 30 cy
Fill = 170 cy
Net = 140 cy FILL TO BE IMPORTED

CULVERT #2 - Earthwork Estimate

Out = 1 cy
Fill = 81 cy
Net = 80 cy FILL TO BE IMPORTED

Disturbed Area = 0.32 acres
New or Replaced Impervious Area: 2,691 s.f.

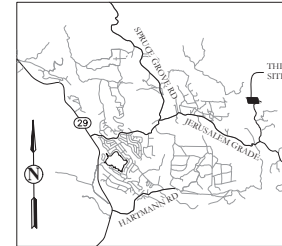
Surface grading only. Contractor responsible for their own
earthwork estimate. Contractor shall include all required
earthwork hauling on or offsite in bid.



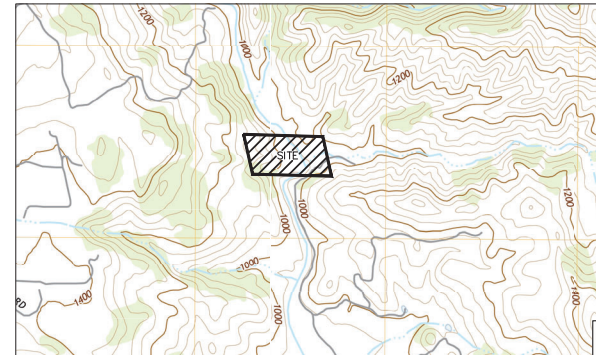
ASSESSORS' PARCEL MAP
NTS

LIDAR NOTE:

LIDAR DATA AND ORTHOPHOTOGRAPHY WERE PROVIDED BY THE UNIVERSITY OF MARYLAND UNDER GRANT NN13AP696G FROM NASA'S CARBON MONITORING SYSTEM (DR. RALPH DUBAYAH AND DR. GEORGE HURTT PRINCIPAL INVESTIGATORS). THIS GRANT ALSO FUNDED THE CREATION OF DERIVED FOREST COVER AND LAND COVER INFORMATION, INCLUDING A COUNTYWIDE BIOMASS AND CARBON MAP, A CANOPY COVER MAP, AND DEMS. THE SONOMA COUNTY VEGETATION MAPPING AND LIDAR PROGRAM FUNDED LIDAR DERIVED PRODUCTS IN THE CALIFORNIA STATE PLANE COORDINATE SYSTEM SUCH AS DEMS, HILLSHADES, BUILDING FOOTPRINTS, 1-FOOT CONTOURS, AND OTHER DERIVED LAYERS. THE ENTIRETY OF THIS DATA IS FREELY LICENSED FOR UNRESTRICTED PUBLIC USE, UNLESS OTHERWISE NOTED. ANY USE OF THIS DATA, INCLUDING VALUE-ADDED PRODUCTS, WITHIN REPORTS, PAPERS, AND PRESENTATIONS MUST ACKNOWLEDGE NASA GRANT NN13AP696G, THE UNIVERSITY OF MARYLAND AND THE SONOMA VEGETATION MAPPING AND LIDAR PROGRAM AS THEIR SOURCES.



VICINITY MAP
NTS



QUAD MAP
NTS

SURVEY NOTES:

1. BASE TOPOGRAPHIC MAP PREPARED BY: CONSER LAND SURVEYING, PROVIDED: (04/12/2023).
2. ELEVATION DATUM: ASSUMED
3. CONTOUR INTERVAL: 2 FEET
4. BENCHMARK: SET 5/8" REBAR, EL: 4989.10

REVISION	DESCRIPTION	BY	DATE

SWICEGOOD
CIVIL ENGINEERING, INC.
1015 E. 1ST AVE., SUITE 100
LAKEPORT, CA 95453
Phone: (707) 230-6063 | Email: info@swicegood.com

APN: 136-071-03

REGISTERED PROFESSIONAL ENGINEER
CIVIL
STATE OF CALIFORNIA
No. 10000

TITLE SHEET

MIT FARMS LLC
22430 & 22368 JERUSALEM GRADE
MIDDLETOWN, CA

NOT FOR CONSTRUCTION

Date: 12/10/24
Scale: N/A
Drawn: DR
Job: 22-52
Sheet: **C1**
1 of 6

GENERAL NOTES

1. 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 SWICEGOOD CIVIL ENGINEERING, INC. HARMLESS FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES AND ALLEGED, IN CONNECTION WITH THE PERFORMANCE OR WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
2. THE ENGINEER ASSUMES NO RESPONSIBILITY EXCEPT FOR THE ADEQUACY OF HIS DESIGN CONTAINED HEREIN.
3. NO GUARANTEE IS INTENDED THAT UNDERGROUND OBSTRUCTIONS NOT SHOWN ON THE PLAN MAY NOT BE ENCOUNTERED. THOSE SHOWN ON THE PLAN ARE BASED ON THE BEST INFORMATION AVAILABLE AND THE CONTRACTOR IS CAUTIONED THAT THE OWNER AND THE ENGINEER ASSUME NO RESPONSIBILITY FOR ANY OBSTRUCTIONS, EITHER SHOWN OR NOT SHOWN ON THESE PLANS. UNDERGROUND SERVICE ALERT (USA) SHALL BE NOTIFIED OF UNDERGROUND WORK 48 HOURS IN ADVANCE AS NECESSARY FOR UNDERGROUND UTILITY LOCATION.
4. ANY DISCREPANCY DISCOVERED BY THE CONTRACTOR IN THESE PLANS OR ANY FIELD CONDITIONS DISCOVERED BY THE CONTRACTOR THAT MY DELAY OR OBSTRUCT THE PROPER COMPLETION OF THE WORK PER THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND THE OWNER IMMEDIATELY UPON DISCOVERY. SMO NOTIFICATION SHALL BE IN WRITING.
5. THE CONTRACTOR SHALL SUBMIT ALL EQUIPMENT SPECIFICATIONS TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION. 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.

GRADING AND DRAINAGE NOTES

1. PERFORM GRADING AND DRAINAGE IMPROVEMENTS IN ACCORDANCE WITH CHAPTER 30 OF THE LAKE COUNTY CODE, THE APPLICABLE LAKE COUNTY REGULATIONS, AND TO THE RECOMMENDATIONS OF THE SOILS REPORT.
2. ALL WORK SHALL BE DONE IN COMPLIANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. THE APPROVED PLANS AND SPECIFICATIONS SHALL NOT BE CHANGED WITHOUT THE WRITTEN APPROVAL OF THE LAKE COUNTY COMMUNITY DEVELOPMENT DEPARTMENT (CDD). PROPOSED MODIFICATIONS TO THE APPROVED PLANS AND SPECIFICATIONS SHALL BE SUBMITTED TO CDD IN WRITING TOGETHER WITH ALL NECESSARY TECHNICAL INFORMATION AND DESIGN DETAILS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROPERTY OWNER AND ENGINEER OF RECORD, IF APPLICABLE, UPON DISCOVERING DISCREPANCIES, ERRORS, OR OMISSIONS IN THE APPROVED PLANS, PRIOR TO PROCEEDING. THE PROPERTY OWNER SHALL HAVE THE APPROVED PLANS REVIEWED BY THE LAKE COUNTY COMMUNITY DEVELOPMENT DEPARTMENT (CDD) TO CLARIFY IDENTIFIED DISCREPANCIES, ERRORS, OR OMISSIONS. CDD MAY REQUIRE UNAUTHORIZED WORK TO BE REDONE OR REMOVED TO VERIFY COMPLIANCE WITH LCC. CDD MAY INITIATE ENFORCEMENT ACTION AND SEEK THE IMPOSITION OF CIVIL PENALTIES FOR VIOLATIONS OF LCC.
3. THE GRADING OR DRAINAGE PERMIT AND A COPY OF THE APPROVED PLANS SHALL BE MAINTAINED ON THE PROJECT SITE THROUGHOUT THE DURATION OF CONSTRUCTION ACTIVITIES.
4. CDD MAY ORDER THAT ANY WORK STOP IMMEDIATELY IF IT IS PERFORMED CONTRARY TO CHAPTER 30 OF THE LCC, THE APPROVED PLANS AND SPECIFICATIONS, PERMIT CONDITIONS, OR WORK THAT MAY BECOME HAZARDOUS TO PROPERTY OR THE PUBLIC. A GRADING OR DRAINAGE PERMIT MAY BE SUSPENDED, REVOKED, OR MODIFIED BY CDD IN ACCORDANCE WITH LCC 30.51.
5. ISSUANCE OF A GRADING OR DRAINAGE PERMIT BY CDD DOES NOT ELIMINATE THE RESPONSIBILITY OF THE PROPERTY OWNER TO SECURE PERMITS FROM OTHER AGENCIES WITH REGULATORY RESPONSIBILITIES FOR THE USES AND CONSTRUCTION ACTIVITIES ASSOCIATED WITH THE PROJECT. FAILURE TO OBTAIN ALL REQUIRED PERMITS MAY RESULT IN FINES FROM OTHER AGENCIES.
6. EXISTING DRAINAGE COURSES RECEIVING WATERS FROM THE PROJECT SITE AND LOCATED THROUGHOUT THE PROJECT SITE SHALL REMAIN OPEN AND CLEAR OF OBSTACLES TO PROPERLY CONVEY STORM WATER. IF EXISTING DRAINAGE COURSES RECEIVING WATERS FROM THE PROJECT SITE ARE LOCATED IN THE COUNTY RIGHT-OF-WAY AND NEED MAINTENANCE, CONTACT THE DEPARTMENT OF PUBLIC WORKS AT (707) 236-2341 FOR FURTHER ASSISTANCE. IN ANY EVENT, THE PROPERTY OWNER AND/OR CONTRACTOR SHALL BE HELD LIABLE FOR ANY DAMAGE DUE TO OBSTRUCTING NATURAL DRAINAGE COURSES.
7. THE CONTRACTOR SHALL CONTACT THE UNDERGROUND SERVICE ALERT (USA) AT 811, AT LEAST TWO WORKING DAYS, BUT NOT MORE THAN 14 CALENDAR 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 USA, THE UTILITY OWNER, AND/OR THE ENGINEER OF RECORD. IF APPLICABLE, IMMEDIATELY, UTILITIES INCLUDE BUT ARE NOT LIMITED TO WATER, SEWER, ELECTRICAL, GAS, TELEPHONE, AND CABLE/TV. THE EXCAVATOR SHALL DELINEATE WITH PAINT OR OTHER SUITABLE MARKINGS THE AREA TO BE EXCAVATED.
8. IN THE EVENT CULTURAL RESOURCES (SUCH AS HISTORICAL, ARCHAEOLOGICAL, AND PALEONTOLOGICAL RESOURCES, AND HUMAN REMAINS) ARE DISCOVERED DURING GRADING OR OTHER CONSTRUCTION ACTIVITIES, WORK SHALL IMMEDIATELY BE HALTED WITHIN THE VICINITY OF THE FIND. THE LAKE COUNTY SHERIFF SHALL BE NOTIFIED AT (707) 262-4200. A QUALIFIED ARCHEOLOGIST SHALL BE CONSULTED FOR AN ON-SITE EVALUATION. ADDITIONAL MITIGATION MAY BE REQUIRED BY THE COUNTY PER THE ARCHEOLOGIST'S RECOMMENDATIONS AND LCC SEC. 30-8. IF HUMAN BURIALS OR HUMAN REMAINS ARE ENCOUNTERED, THE CONTRACTOR SHALL ALSO NOTIFY THE COUNTY CORONER AT (707) 262-4215.
9. SHOULD GRADING OPERATIONS ENCOUNTER HAZARDOUS MATERIALS, OR WHAT APPEAR TO BE HAZARDOUS MATERIALS, STOP WORK IMMEDIATELY IN THE CONTAMINATED AREA AND CONTACT 911 OR THE APPROPRIATE AGENCY FOR FURTHER INSTRUCTION.
10. RETAINING WALLS, UNLESS EXEMPTED PER CALIFORNIA BUILDING CODE (CBC) SEC. 105.2, ARE NOT APPROVED UNDER A GRADING PERMIT. A SEPARATE BUILDING PERMIT IS REQUIRED.
11. EQUIPMENT SHALL NOT CROSS OR DISTURB CHANNELS OF ACTIVELY FLOWING STREAMS WITHOUT AN APPROVED ROILING PERMIT AND BEST MANAGEMENT PRACTICES.
12. GRADING AND DRAINAGE IMPROVEMENTS SHALL BE SET BACK FROM LAKES, PONDS, STREAMS, AND WETLANDS IN COMPLIANCE WITH THE REQUIREMENTS OF LCC SEC. 30-9. EXISTING VEGETATION SHALING REMAIN SETBACK AREAS TO FILTER SOIL AND OTHER POLLUTANTS CARRIED IN STORM WATER.
13. EXCESS SOIL SHALL BE REMOVED FROM THE PROJECT SITE UNLESS DEPICED TO REMAIN ON SITE PER THE APPROVED PLAN. THE SITE RECEIVING SOIL MAY REQUIRE A GRADING PERMIT UNLESS EXEMPTED BY LCC.
14. CONTOURS, ELEVATIONS, AND SHAPES OF FINISHED SURFACES SHALL BE BLENDED WITH ADJACENT NATURAL TERRAIN TO ACHIEVE A CONSISTENT GRADE AND NATURAL APPEARANCE. BORDERS OF CUT SLOPES AND FILLS SHALL BE ROUNDED OFF TO A MINIMUM RADIUS OF FIVE FEET TO BLEND WITH THE NATURAL TERRAIN.
15. FILL MATERIAL SHALL NOT INCLUDE ORGANIC, FROZEN, OR OTHER DELETERIOUS MATERIALS, NO ROCK OR SIMILAR IRREDUCIBLE MATERIAL GREATER THAN SIX INCHES IN ANY DIMENSION SHALL BE INCLUDED IN FILLS EXCEPT WHERE APPROVED BY THE SOILS ENGINEER. FILLS SHALL BE CONSTRUCTED IN LIFTS NOT EXCEEDING EIGHT INCHES IN DEPTH. COMPLETED FILLS SHALL BE STABLE, WELL INTEGRATED, AND BONDED TO ADJACENT MATERIALS AND THE MATERIALS ON WHICH THEY REST. FILLS SHALL BE COMPACTED TO SUPPORT AN ANTICIPATED LOADS AND BE STABLE AT THE DESIGN SLOPES SHOWN ON THE APPROVED PLANS AND SPECIFICATIONS OR AS DIRECTED BY THE SOILS ENGINEER.

16. GROUND SURFACES SHALL BE PREPARED TO RECEIVE FILL BY REMOVING VEGETATION, TOPSOIL, AND OTHER UNSUITABLE MATERIALS, AND SCARIFYING THE GROUND TO PROVIDE A BOND WITH THE FILL MATERIAL.
17. FILL SHALL NOT BE PLACED ON NATURAL SLOPES STEEPER THAN 2H:1V (50 PERCENT).
18. FILLS INTENDED TO SUPPORT STRUCTURES OR SURCHARGES SHALL BE COMPACTED TO A MINIMUM OF 90 PERCENT OF MAXIMUM DRY DENSITY BY ASTM D 1557, MODIFIED PROCTOR. A HIGHER COMPACTION PERCENTAGE MAY BE REQUIRED BY THE SOILS ENGINEER.
19. FILLS NOT INTENDED TO SUPPORT STRUCTURES OR SURCHARGES SHALL BE COMPACTED AS FOLLOWS:
- (1) FILL GREATER THAN THREE FEET IN DEPTH SHALL BE COMPACTED TO THE DENSITY SPECIFIED BY THE SOILS ENGINEER.
- (2) FILLS NO GREATER THAN THREE FEET IN DEPTH SHALL BE COMPACTED TO THE DENSITY NECESSARY FOR THE INTENDED USE OR AS DIRECTED BY THE SOILS ENGINEER.

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

1. PERFORM EROSION PREVENTION AND SEDIMENT CONTROL IN ACCORDANCE WITH CHAPTER 30 OF THE LAKE COUNTY CODE (LCC).
2. THE APPROVED PLANS SHALL CONFORM TO THE COMMUNITY DEVELOPMENT DEPARTMENT'S REQUIREMENTS FOR EROSION CONTROL MEASURES.
3. THE PROPERTY OWNER IS RESPONSIBLE FOR PREVENTING STORM WATER POLLUTION GENERATED FROM THE CONSTRUCTION SITE YEAR ROUND. WORK SITES WITH INADEQUATE EROSION PREVENTION AND/OR SEDIMENT CONTROL, MAY BE SUBJECT TO A STOP WORK ORDER AND/OR ADDITIONAL INSPECTION FEES TO VERIFY COMPLIANCE WITH LCC.
4. IF DISCREPANCIES OCCUR BETWEEN THESE NOTES, MATERIAL REFERENCE ON THE CONVEYER EROSION PREVENTION, AND FERTILIZING MATERIALS, THEN THE MOST PROTECTIVE SHALL APPLY.
5. AT ALL TIMES THE PROPERTY OWNER IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH THE STATE OF CALIFORNIA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT REQUIREMENTS. ANY VIOLATIONS ASSOCIATED WITH CONSTRUCTION AND LAND DISTURBING ACTIVITIES SUCH AS CLEARING, GRADING, OR RECONSTRUCTION OF EXISTING FACILITIES INVOLVING REMOVAL AND REPLACEMENT.
6. THE PROPERTY OWNER MUST IMPLEMENT AN EFFECTIVE COMBINATION OF EROSION PREVENTION AND SEDIMENT CONTROL ON ALL DISTURBED AREAS DURING THE RAINY SEASON (OCTOBER 15 - APRIL 15). 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 LCC.
7. DURING THE RAINY SEASON, STORM WATER BMP'S SHALL BE IMPLEMENTED AND FUNCTIONAL ON THE SITE AT ALL TIMES AND THE AREA OF ERODIBLE LAND EXPOSED AT ANY ONE TIME DURING THE WORK SHALL NOT EXCEED ONE ACRE OR 20 PERCENT OF THE PERMITTED WORK AREA, WHICHEVER IS GREATER, AND THE TIME OF EXPOSURE SHALL BE MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE.
8. DURING THE NON-RAINY SEASON, ON ANY DAY WHEN THE NATIONAL WEATHER SERVICE FORECAST IS A CHANGE OF RAIN OF 30 PERCENT OR GREATER WITHIN THE NEXT 24 HOURS, STORM WATER BMP'S SHALL BE IMPLEMENTED AND FUNCTIONAL ON THE SITE TO PREVENT SOIL AND OTHER POLLUTANT DISCHARGES. AT ALL OTHER TIMES, BMP'S SHOULD BE STORED ON SITE IN PREPARATION FOR INSTALLATION PRIOR TO RAIN EVENTS.
9. EROSION PREVENTION AND SEDIMENT CONTROL BMP'S SHALL BE INSPECTED BY THE PROPERTY OWNER PRIOR TO THE START OF CONSTRUCTION. BMP'S SHALL BE ENSURED BMP'S ARE FUNCTIONING PROPERLY. EROSION PREVENTION AND SEDIMENT CONTROL BMP'S THAT HAVE FAILED OR ARE NO LONGER EFFECTIVE SHALL BE PROMPTLY REPLACED. EROSION PREVENTION AND SEDIMENT CONTROL BMP'S SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED.
10. THE LIMITS OF GRADING SHALL BE DEFINED AND MARKED ON SITE TO PREVENT DAMAGE TO SURROUNDING TREES AND OTHER 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.
11. CHANGES TO THE EROSION PREVENTION AND SEDIMENT CONTROL PLAN MAY BE MADE TO RESPOND TO FIELD CONDITIONS IF THE ALTERNATIVE BMP'S ARE EQUIVALENT OR MORE PROTECTIVE THAN THE BMP'S SHOWN ON THE APPROVED PLANS. ALTERNATIVE BMP'S ARE SUBJECT TO REVIEW AND APPROVAL BY COUNTY STAFF.
12. DISCHARGES OF POTENTIAL POLLUTANTS FROM CONSTRUCTION SITES SHALL BE PREVENTED USING SOURCE CONTROLS TO THE MAXIMUM EXTENT PRACTICABLE. POTENTIAL POLLUTANTS INCLUDE BUT 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, VEHICLE OR EQUIPMENT WASH WATER, AND CHLORINATED WATER.
13. ENTRANCE(S) 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 VEHICLES 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 OR MORE OFTEN, AS NECESSARY.
14. ALL DISTURBED AREAS SHALL BE PROTECTED BY USING EROSION PREVENTION BMP'S TO THE MAXIMUM EXTENT PRACTICABLE, SUCH AS ESTABLISHING VEGETATION COVERAGE, HYDROSEEDING, STRAW MULCH, GEOTEXTILES, PLASTIC COVER, BLANKETS OR MATS. TEMPORARY REVEGETATION SHALL BE INSTALLED AS SOON AS PRACTICAL AFTER VEGETATION REMOVAL, BUT IN ALL CASES PRIOR TO OCTOBER 15. PERMANENT REVEGETATION OR LANDSCAPING SHALL BE INSTALLED PRIOR TO FINAL INSPECTION.
15. WHENEVER IT IS NOT POSSIBLE TO USE EROSION PREVENTION BMP'S ON EXPOSED SLOPES, SEDIMENT CONTROL BMP'S SUCH AS FIBER ROLLS AND SILT FENCES SHALL BE INSTALLED TO PREVENT SEDIMENT FROM BEING RELEASED. SILT FENCES SHALL BE TRENCHED AND KEPT INTO THE SOIL AND INSTALLED ON CONTOUR. SILT FENCES SHALL BE INSTALLED APPROXIMATELY 2 TO 5 FEET FROM TOE OF SLOPE.
16. HYDROSEEDING SHALL BE CONDUCTED IN A THREE STEP PROCESS. FIRST, EVENLY APPLY SEED MIX AND FERTILIZER TO THE EXPOSED SOLE. SECOND, EVENLY APPLY MULCH OVER THE SEED AND FERTILIZER. THIRD, STABILIZE THE MULCH IN PLACE. AN EQUIVALENT THREE 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 SIX TO EIGHT 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. EQUIVOTE 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		
16-20-0 & 15% SULPHUR	500	
MULCH		
STRAW	4000	
HYDRAULIC STABILIZING*		
M-BINDER OR SENTINEL	75-100	
EQUIVALENT MATERIAL	PER MANUFACTURER	
*NON-ASPHALTIC, DERIVED FROM PLANTS		

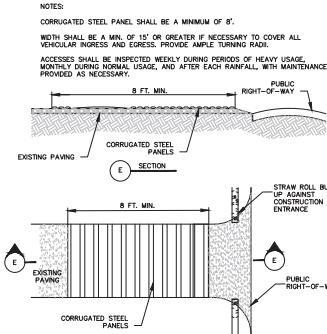
17. DUST CONTROL SHALL BE PROVIDED BY CONTRACTOR DURING ALL PHASES OF CONSTRUCTION.
18. STORM DRAIN INLETS SHALL BE PROTECTED FROM POTENTIAL POLLUTANTS UNTIL DRAINAGE CONVEYANCE SYSTEMS ARE FUNCTIONAL AND CONSTRUCTION IS COMPLETE.
19. ENERGY DISSIPATORS SHALL BE INSTALLED AT STORM DRAIN OUTLETS WHICH MAY CONVEY ERODIVE STORM WATER FLOW.
20. SOIL, MATERIAL STOCKPILES, AND FERTILIZING MATERIAL SHALL BE PROPERLY PROTECTED WITH PLASTIC COVERINGS OR EQUIVALENT BMP'S TO MINIMIZE SEDIMENT AND POLLUTANT TRANSPORT FROM THE CONSTRUCTION SITE.
21. SOLID WASTE, SUCH AS TRASH, DISCARDED BUILDING MATERIALS AND DEBRIS, SHALL BE PLACED IN DESIGNATED COLLECTION AREAS OR CONTAINERS. THE CONSTRUCTION SITE SHALL BE KEPT CLEAR OF SOLID WASTE DAILY OR AS NECESSARY. REGULAR REMOVAL AND PROPER DISPOSAL SHALL BE COORDINATED BY THE CONTRACTOR.
22. A CONCRETE WASHOUT AREA 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 CREEKS OR STORM DRAINS. NO WASHOUT OF CONCRETE, MORTAR MIXERS, OR TRUCKS SHALL BE ALLOWED ON SOIL. CONCRETE WASTE SHALL BE PROPERLY DISPOSED.
23. PROPER APPLICATION, CLEANING, AND STORAGE OF POTENTIALLY HAZARDOUS MATERIALS, SUCH AS PAINTS AND CHEMICALS, SHALL BE CONDUCTED TO PREVENT THE DISCHARGE OF POLLUTANTS.
24. TEMPORARY RESTROOMS AND SANITARY FACILITIES SHALL BE LOCATED AND MAINTAINED DURING CONSTRUCTION ACTIVITIES TO PREVENT THE DISCHARGE OF POLLUTANTS.
25. APPROPRIATE VEHICLE STORAGE, FUELING, MAINTENANCE, AND CLEANING AREAS SHALL BE DESIGNATED AND MAINTAINED TO PREVENT DISCHARGE OF POLLUTANTS.

GRADING AND DRAINAGE INSPECTION NOTES

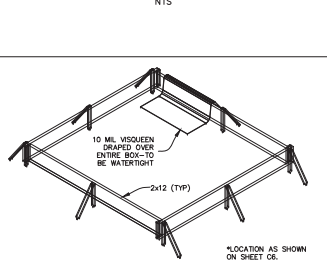
1. THE PERMITTEE AND THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR THE WORK TO BE PERFORMED IN COMPLIANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, CHAPTER 30 OF THE LAKE COUNTY CODE (LCC), AND ANY PERMIT CONDITIONS. WORK SHALL BE SUBJECT TO INSPECTION AS REQUIRED BY THE LAKE COUNTY COMMUNITY DEVELOPMENT DEPARTMENT (CDD) TO VERIFY COMPLIANCE. THE CONTRACTOR SHALL CONSULT THE PROJECT JOB CARD FOR COORDINATION OF INSPECTION REQUESTS.
2. PRIOR TO THE START OF ANY GRADING OR DRAINAGE WORK, THE PERMITTEE SHALL CONSULT WITH THE COUNTY ENGINEER FOR A PRELIMINARY REVIEW OF THE SCOPE OF THE PROJECT, PERMIT CONDITIONS, REQUIRED INSPECTIONS, APPROPRIATE APPLICATION OF BEST MANAGEMENT PRACTICES (BMP'S) AND ANY OTHER CONSTRUCTION ISSUES.
3. INSPECTION REQUESTS SHALL BE MADE THROUGH THE LAKE COUNTY ACECLA CITIZEN ACCESS PORTAL, OR PHONE NUMBER (707) 263-2382.
4. CDD MAY REQUIRE PROFESSIONAL INSPECTIONS AND CERTIFICATIONS TO VERIFY PROPER COMPLETION OF THE WORK. WHERE THE USE OF PROFESSIONAL PERSONNEL IS REQUIRED, THESE PERSONNEL SHALL IMMEDIATELY REPORT IN WRITING TO CDD AND THE PERMITTEE ANY INSTANCE OF WORK NOT IN COMPLIANCE WITH THE APPROVED PLANS, SPECIFICATIONS, OR ANY PERMIT CONDITIONS. IF PROFESSIONAL PERSONNEL IS CHANGED DURING THE COURSE OF THE WORK, THE WORK SHALL BE STOPPED UNTIL THE REPLACEMENT INDIVIDUAL HAS NOTIFIED CDD IN WRITING OF THEIR AGREEMENT TO ACCEPT RESPONSIBILITY FOR APPROVAL OF THE COMPLETED WORK WITHIN THE AREA OF THEIR TECHNICAL COMPETENCE.
5. CDD SHALL FINAL A PERMIT WHEN ALL WORK, INCLUDING THE INSTALLATION OF ALL DRAINAGE IMPROVEMENTS AND THEIR PROTECTIVE DEVICES, AND ALL STORM WATER BMP'S, HAVE BEEN COMPLETED IN COMPLIANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AND ALL FINAL REPORTS REQUIRED BY CDD HAVE BEEN SUBMITTED AND ACCEPTED. FINAL REPORTS MAY INCLUDE AS-BUILT PLANS, TESTING RECORDS, PROFESSIONAL OPINIONS, AND DECLARATIONS ABOUT COMPLETED WORK FROM PROFESSIONAL PERSONNEL. SIMILAR REPORTS MAY BE REQUIRED AT OTHER STAGES OF THE WORK.
6. THE PERMITTEE SHALL PROVIDE ADEQUATE AND SAFE ACCESS TO THE PROJECT SITE FOR INSPECTION DURING THE PERFORMANCE OF ALL WORK.
7. DURING CONSTRUCTION ACTIVITIES, THE PROJECT SITE ADDRESS SHALL BE POSTED AS FOLLOWS:
- (1) THE STREET NUMBERS MUST BE AT LEAST FOUR INCHES TALL, WITH A REFLECTIVE SURFACE.
- (2) THE ADDRESS MUST BE VISIBLE FROM BOTH DIRECTIONS ALONG THE ROAD.
- (3) THE ADDRESS MUST BE POSTED AT ALL WORKS IN ANY ACCESS ROAD AND AT THE PROJECT SITE.

GENERAL CONDITIONS GRADING/STORMWATER REVIEW FIELD CHANGES NOTES:

1. FIELD REVISIONS ARE REQUIRED AND SUBJECT TO LCC SEC. 30-32.1: "THE PERMITTEE OF ANY VALID GRADING PERMIT MAY APPLY FOR AN EXTENSION OR MODIFICATION OF SUCH PERMIT. ANY PROPOSED CHANGES TO THE APPROVED GRADING PERMIT SHALL BE SUBMITTED TO THE COMMUNITY DEVELOPMENT DEPARTMENT FOR REVIEW. THE PERMITTEE SHALL NOT UNDERTAKE OR ALLOW ACTIVITIES TO OCCUR WHICH DO NOT CONFORM TO THE PLANS OR CONDITIONS OF THE APPROVED GRADING PERMIT. THE DEPARTMENT SHALL REVIEW THE PROPOSED CHANGES ACCORDING TO THE SAME STANDARDS AS AND IN THE SAME MANNER AS THE ORIGINALLY SUBMITTED APPLICATION."
2. SEC. 30-32.2: "WHERE CONDITIONS ENCOUNTERED IN AN APPROVED GRADING PERMIT ACTIVITY DIFFER FROM THOSE ANTICIPATED OR DOCUMENTED IN THE APPROVED GRADING PERMIT APPLICATION, THE PERMITTEE SHALL IMMEDIATELY NOTIFY THE DEPARTMENT OF THE CHANGES. SUCH CHANGES SHALL BE APPROVED BY THE DEPARTMENT PRIOR TO IMPLEMENTATION. SUCH ACTIVITIES DIFFERING FROM AN APPROVED GRADING PERMIT APPLICATION AND PLAN, SIGNIFICANT CHANGES MAY BE SUBJECT TO FURTHER REVIEW ACCORDING TO THE CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)."

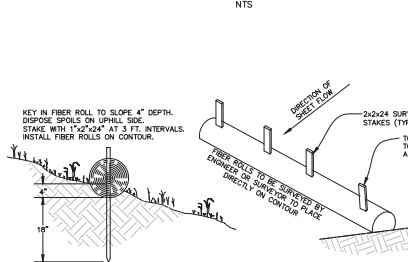


STEEL PLATED CONSTRUCTION ENTRANCE



1. CONTRACTOR TO ADJUST SIZE AND STAKING TO JOB QUANTITY AND FREQUENCY OF POLES.
2. NO SHARP OBJECTS, NAIL ENDS, ROCKS, ETC ON INSIDE OF BOX.
3. AFTER COMPLETION OF WORK, BOX AREA SHALL BE RESTORED TO THE ORIGINAL CONDITION, OR TO THE SPECIFIED FINISH ON THE DMS, BY THE CONTRACTOR.

CONCRETE WASHOUT BOX



FIBER ROLL SPACING TABLE

GROUND SLOPE	MIN. FIBER ROLL SPACING
>= 1:1	10'
>= 2:1	20'
>= 3:1	30'
>= 4:1	40'

NOTE: FIBER ROLLS SHOWN ON PLAN SHALL BE ADJUSTED IN FIELD AS NECESSARY TO CONFORM WITH THE ABOVE TABLE. FIBER ROLLS SHALL BE INSTALLED ON CONTOUR, NO EXCEPTIONS.

FIBER ROLL INSTALLATION

NTS

REVISION	DESCRIPTION	BY	DATE

SWICEGOOD
CIVIL ENGINEERING, INC.

APN: 136-071-03

NOTES AND EROSION CONTROL DETAILS

MIT FARMS LLC
22430 & 22368 JERUSALEM GRADE
MIDDLETOWN, CA

Date: 12/10/24

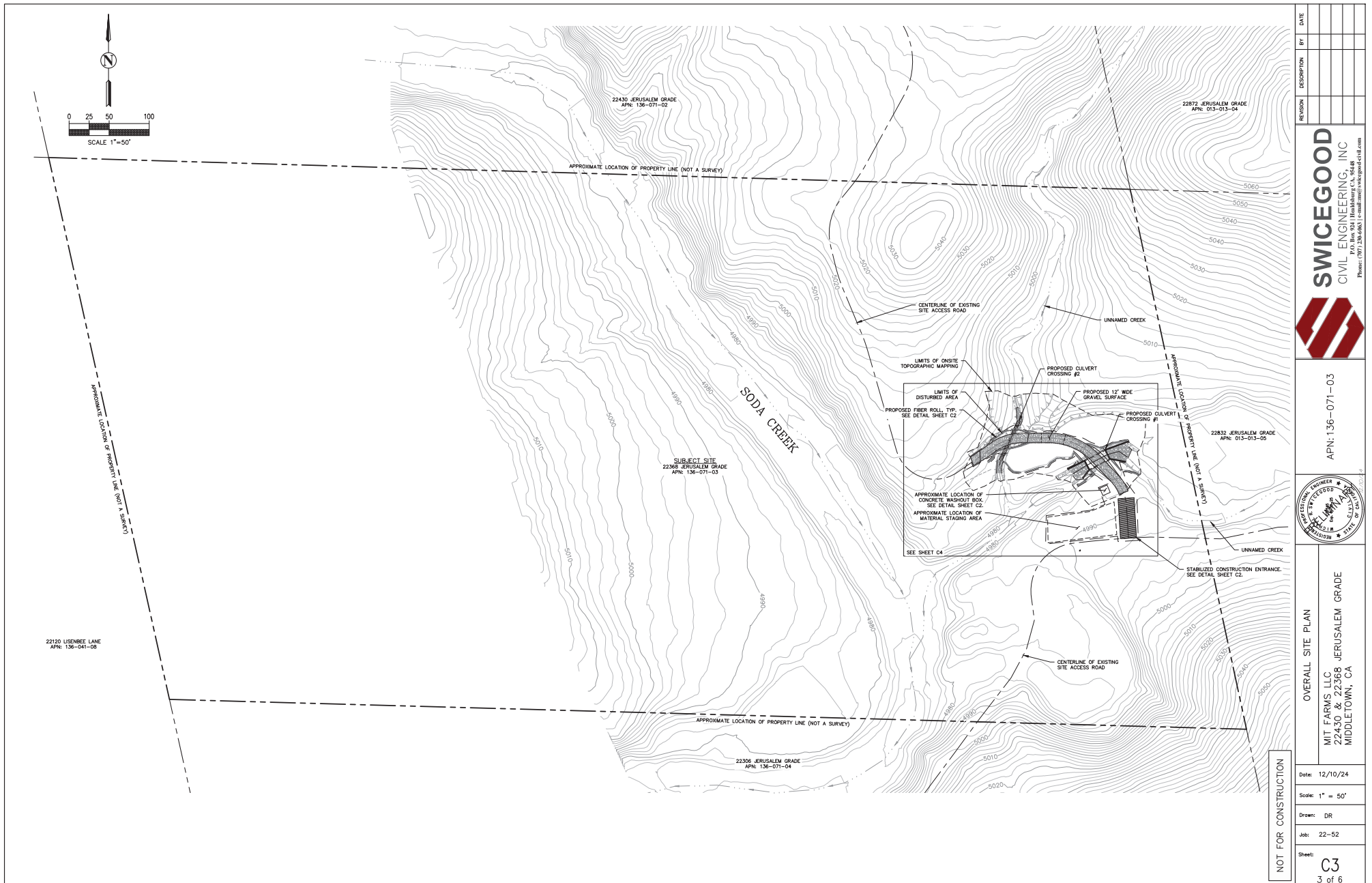
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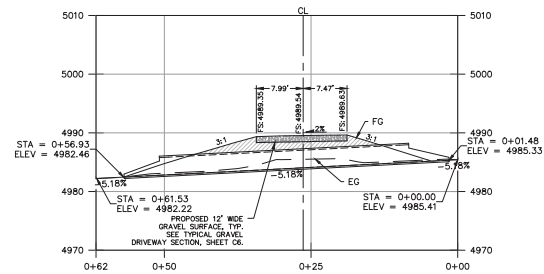
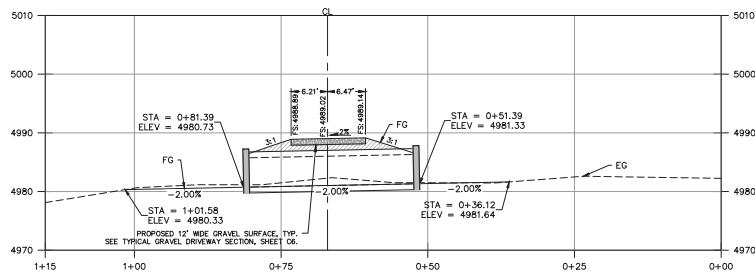
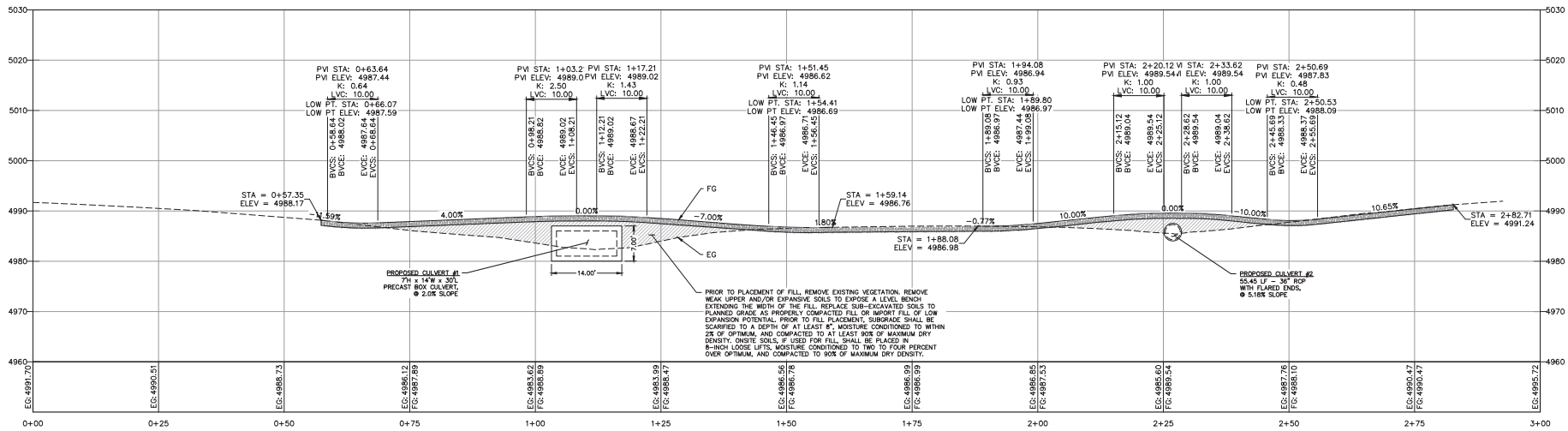
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Job: 22-52

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CULVERT SECTION VIEWS
SCALE: 1"=10' (H,V)

REVISION	DESCRIPTION	BY	DATE

SWICEGOOD
CIVIL ENGINEERING, INC.
10101 S. 24th Ave., Suite 100
Mesa, AZ 85206
Phone: (480) 336-6661 | Email: info@swicegood.com



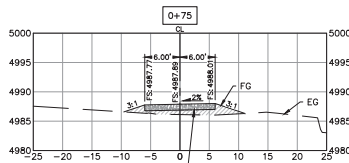
APN: 136-071-03



DRIVEWAY PROFILE AND CULVERT SECTIONS
MIT FARMS LLC
22430 & 22368 JERUSALEM GRADE
MIDDLETOWN, CA

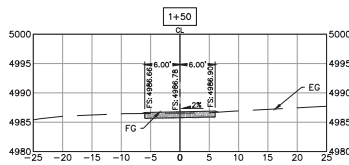
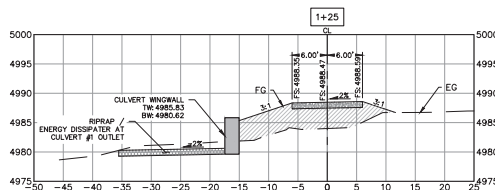
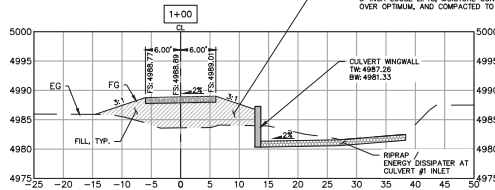
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Job: 22-52
Sheet: **C5**
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NOT FOR CONSTRUCTION



PROPOSED 12" WIDE GRAVEL SURFACE, TYP.
SEE TYPICAL GRAVEL DRIVEWAY SECTION, THIS SHEET.

PRIOR TO PLACEMENT OF FILL, REMOVE EXISTING VEGETATION. REMOVE WEAK UPPER AND/OR EXPANSIVE SOILS TO EXPOSE A LEVEL BENCH EXTENDING THE WIDTH OF THE FILL. REPLACE SUB-EXCAVATED SOILS TO PLANNED GRADE AS PROPERLY COMPACTED FILL OR IMPORT FILL OF LOW EXPANSION POTENTIAL. PRIOR TO FILL PLACEMENT, SUBGRADE SHALL BE SCARIFIED TO A DEPTH OF AT LEAST 8". MOISTURE CONDITIONED TO WITHIN 2% OF OPTIMUM, AND COMPACTED TO AT LEAST 90% OF MAXIMUM DRY DENSITY. ON SITE SOILS, IF USED FOR FILL, SHALL BE PLACED IN 8-INCH LOOSE LIFTS. MOISTURE CONDITIONED TO TWO TO FOUR PERCENT OVER OPTIMUM, AND COMPACTED TO 90% OF MAXIMUM DRY DENSITY.



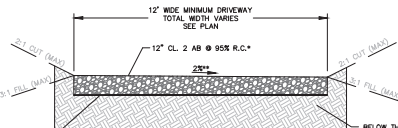
DRIVEWAY CROSS SECTIONS

SCALE: 1"=10' (H,V)

- NOTES:
1. ALL ROADWAY PREPARATION AND CONSTRUCTION SHALL CONFORM TO GEOTECHNICAL REPORT AND THE GEOTECHNICAL ENGINEERS FIELD RECOMMENDATIONS DURING CONSTRUCTION.
 2. EXISTING WEAK UPPER AND/OR EXPANSIVE MATERIALS SHALL BE REMOVED TO THEIR FULL DEPTH, AS DETERMINED BY THE GEOTECHNICAL ENGINEER IN THE FIELD, DURING CONSTRUCTION.

WFOO STABILIZATION FABRIC, OR EQUIVALENT.

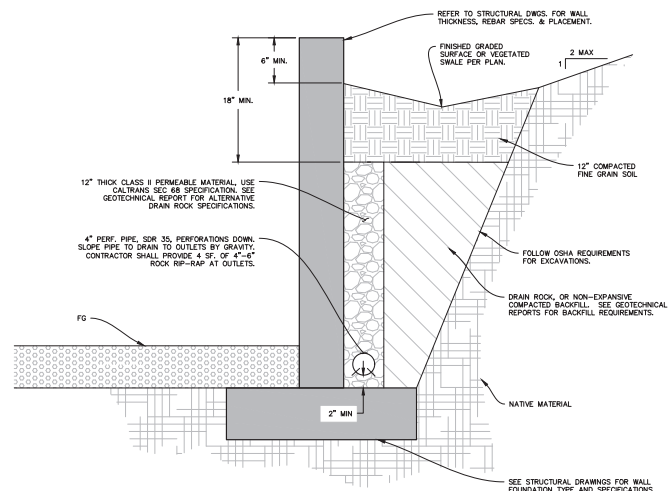
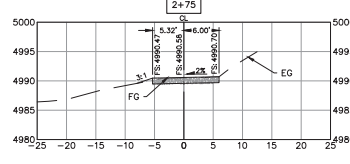
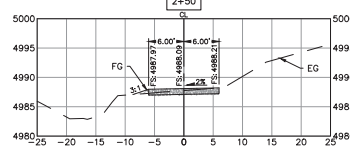
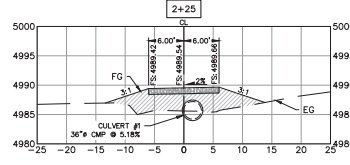
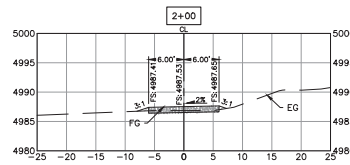
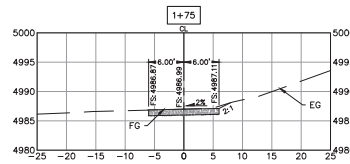
PRIOR TO PLACEMENT OF DRIVEWAY FILL, REMOVE EXISTING VEGETATION. REMOVE WEAK UPPER AND/OR EXPANSIVE SOILS TO EXPOSE A LEVEL BENCH EXTENDING THE WIDTH OF THE FILL. REPLACE SUB-EXCAVATED SOILS TO PLANNED GRADE AS PROPERLY COMPACTED FILL OR IMPORT FILL OF LOW EXPANSION POTENTIAL. PRIOR TO FILL PLACEMENT, SUBGRADE SHALL BE SCARIFIED TO A DEPTH OF AT LEAST 8". MOISTURE CONDITIONED TO WITHIN 2% OF OPTIMUM, AND COMPACTED TO AT LEAST 90% OF MAXIMUM DRY DENSITY. ON SITE SOILS, IF USED FOR DRIVEWAY FILL, SHALL BE PLACED IN 8-INCH LOOSE LIFTS. MOISTURE CONDITIONED TO TWO TO FOUR PERCENT OVER OPTIMUM, AND COMPACTED TO 90% OF MAXIMUM DRY DENSITY. ON SITE SOILS SHALL NOT BE USED FOR FILL WITHIN 18" OF THE AGGREGATE BASE.



*DRIVEWAY SURFACE SHALL BE PER LAKE COUNTY CODE.
**CROSS SLOPE DIRECTION VARIES PER PLANS.

TYPICAL GRAVEL DRIVEWAY SECTION

NTS



RETAINING WALLS BACKDRAINAGE

NTS

RP-RAP SIZING:

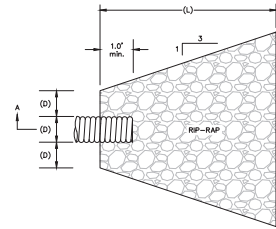
D_{90} = RIP-RAP SIZE (IN)
 Q = DESIGN DISCHARGE ($H^{3/2}$)
 D = PIPE DIAMETER, DEPTH OF DITCH/SWALE OR AVERAGE HEIGHT AND WIDTH OF BOX CULVERT (IN)
 TW = TAILWATER DEPTH (IN) (USE 0.40 IF UNKNOWN)
 g = ACCELERATION DUE TO GRAVITY (32.2 ft/s^2)

$$D_{90} = \left[\frac{Q}{1.486 K} \right]^{2/3} \left[\frac{TW}{D} \right]$$

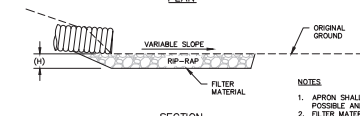
APRON SIZING:

1. (L) = LENGTH OF APRON (IN).
2. (D) = PIPE DIAMETER, DEPTH OF DITCH/SWALE OR AVERAGE HEIGHT AND WIDTH OF BOX CULVERT (IN).
3. (H) = DEPTH OF APRON
4. (D₉₀) = RIP-RAP SIZE (IN), SHALL BE 4"-6" MIN. (CLASS 2)

CLASS	RIP-RAP SIZE (D ₉₀)	LENGTH OF APRON (L)	DEPTH OF APRON (H)
1	4"	40'	3.00'
2	6"	40'	3.00'
3	8"	50'	3.00'
4	10"	60'	3.00'
5	12"	80'	3.00'
6	14"	100'	3.00'
7	16"	120'	3.00'
8	20"	150'	3.00'
9	24"	200'	3.00'



PLAN



SECTION

RIP-RAP APRON

NTS

- NOTES:
1. APRON SHALL BE SET AS CLOSE TO ZERO GRADE AS POSSIBLE AND ALIGNED STRAIGHT WITH PIPE/CULVERT.
 2. FILTER MATERIAL SHALL BE EITHER GEOTEXTILE FILTER FABRIC, OR 10-ML (MIN.) VISQUEEN (OR EQUIVALENT)

REVISION	DATE	BY

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10175 E. 12TH AVE. SUITE 100
DENVER, CO 80231
Phone: (303) 334-6663 | Email: info@swicegood.com

MIT FARMS LLC
22430 & 22368 JERUSALEM GRADE
MIDDLETOWN, CA

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