

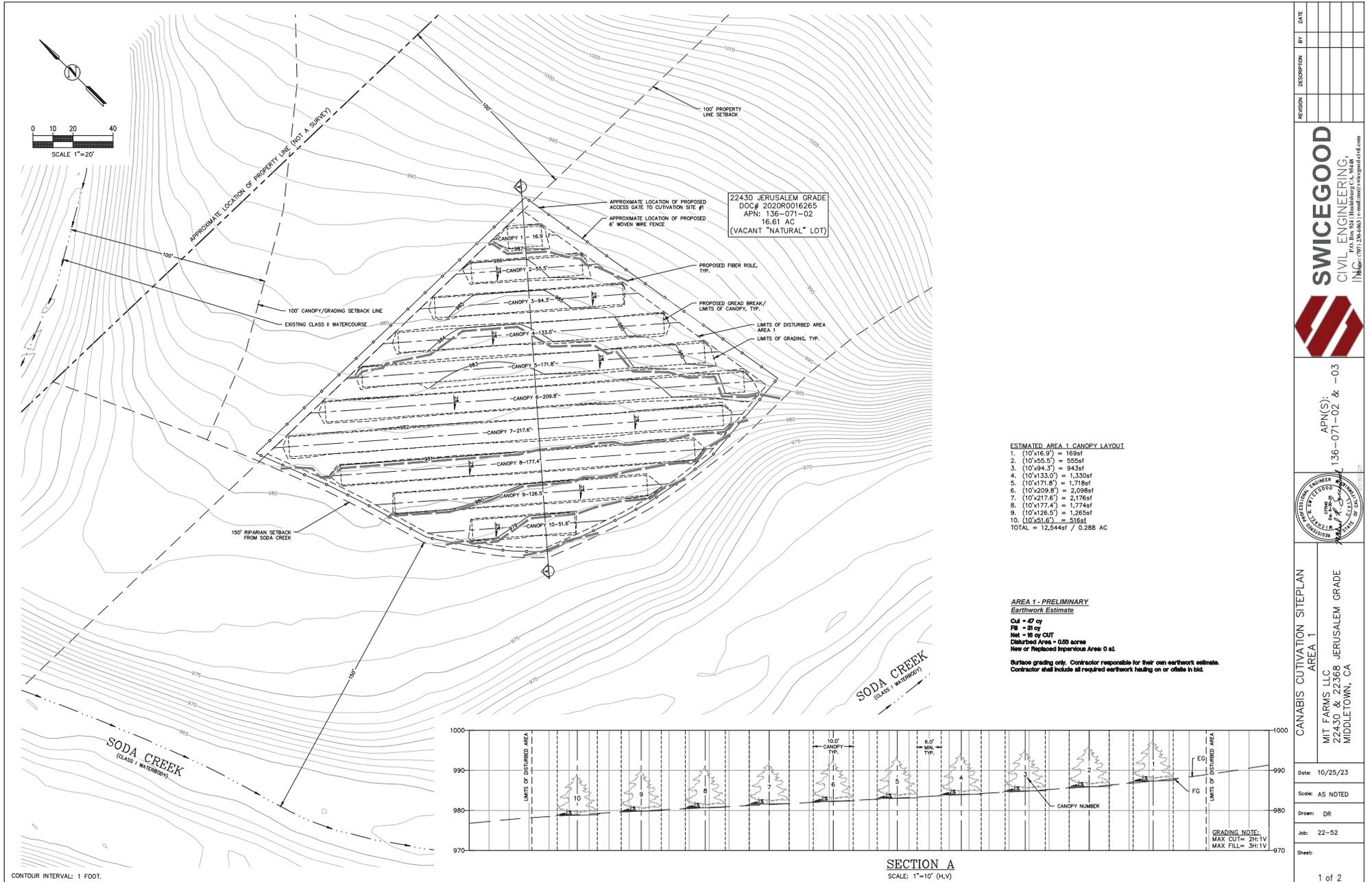
REVISION	DESCRIPTION	BY	DATE

SWICEGOOD
 CIVIL ENGINEERING,
 INC. (C) 1971, 2004, 2005, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023

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

EXISTING CONDITIONS OVERALL SITE PLAN
 MIT FARMS LLC
 22430 & 22368 JERUSALEM GRADE
 MIDDLETOWN, CA

Date:	10/25/23
Scale:	1" = 60'
Drawn:	DR
Job:	22-52
Sheet:	



REVISION	DESCRIPTION	BY	DATE

SWICEGOOD
 CIVIL ENGINEERING,
 INC. (DBP 138466) | Licensed Professional Engineer #18180

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

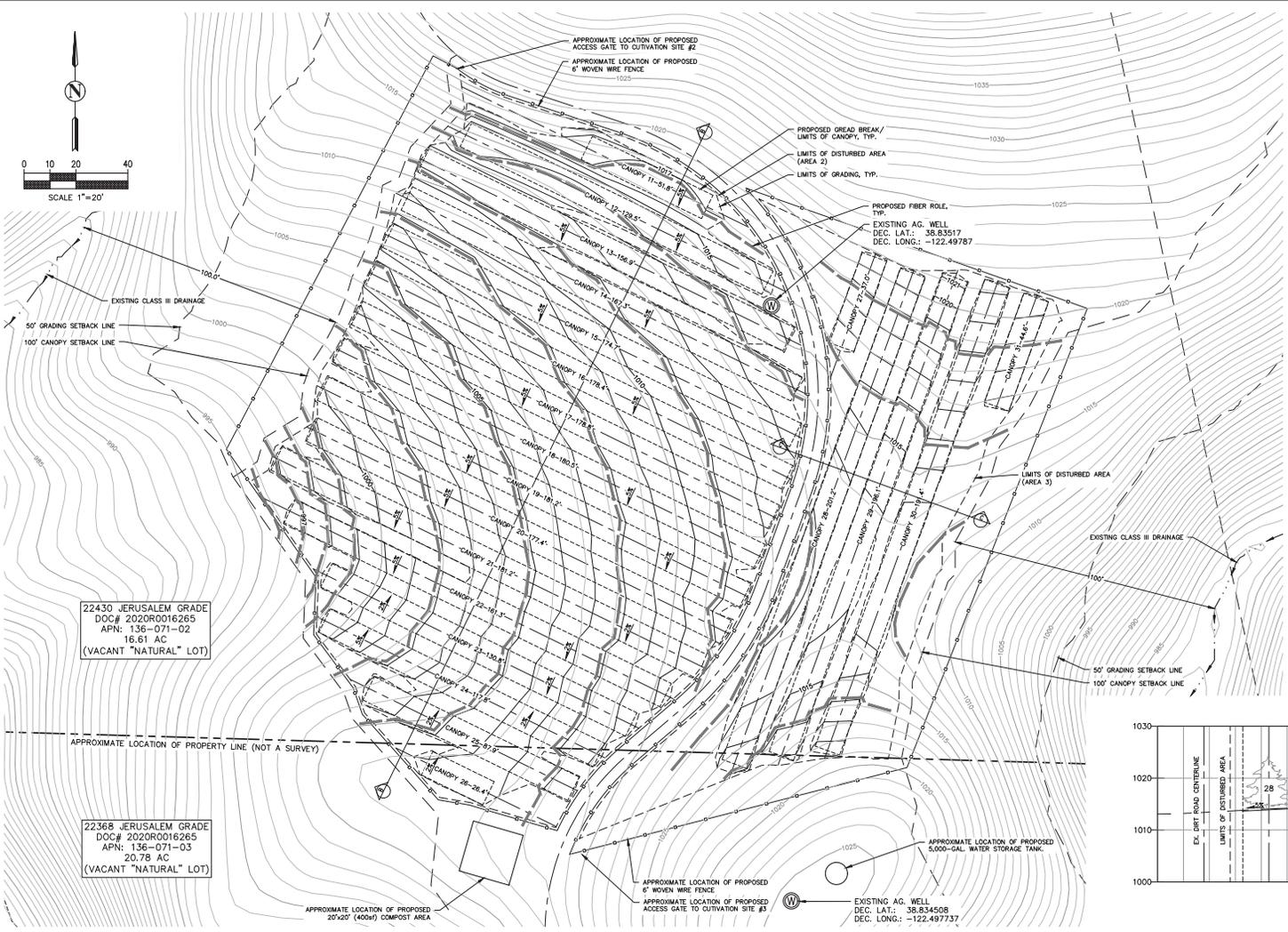
REGISTERED PROFESSIONAL ENGINEER
 STATE OF CALIFORNIA
 CIVIL ENGINEERING
 No. 18180

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



22430 JERUSALEM GRADE
 DOC# 2020R0016265
 APN: 136-071-02
 16.61 AC
 (VACANT "NATURAL" LOT)

22368 JERUSALEM GRADE
 DOC# 2020R0016265
 APN: 136-071-03
 20.78 AC
 (VACANT "NATURAL" LOT)

- ESTIMATED AREA 2 CANOPY LAYOUT**
11. (10'x51.8') = 518sf
 12. (10'x129.5') = 1,295sf
 13. (10'x156.9') = 1,569sf
 14. (10'x167.3') = 1,673sf
 15. (10'x174.7') = 1,747sf
 16. (10'x178.4') = 1,784sf
 17. (10'x178.8') = 1,788sf
 18. (10'x180.5') = 1,805sf
 19. (10'x181.2') = 1,812sf
 20. (10'x177.4') = 1,774sf
 21. (10'x181.2') = 1,812sf
 22. (10'x161.3') = 1,613sf
 23. (10'x130.8') = 1,308sf
 24. (10'x117.8') = 1,178sf
 25. (10'x79.9') = 879sf
 26. (10'x28.4') = 284sf
- TOTAL = 22,819sf / 0.524 AC

- ESTIMATED AREA 3 CANOPY LAYOUT**
27. (10'x37.0') = 370sf
 28. (10'x201.2') = 2,012sf
 29. (10'x196.1') = 1,961sf
 30. (10'x191.4') = 1,914sf
 31. (10'x44.8') = 448sf
- TOTAL = 6,703sf / 0.154 AC

AREA 2 - PRELIMINARY Earthwork Estimate

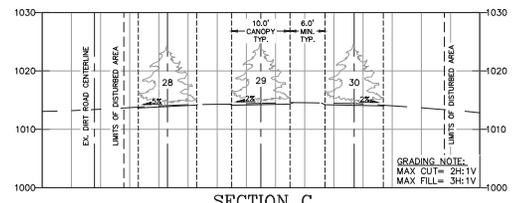
Cut = 89 cy
 Fill = 68 cy
 Net = 21 cy FILL
 Disturbed Area = 688 acres
 New or Replaced Impervious Area 0 sf.

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

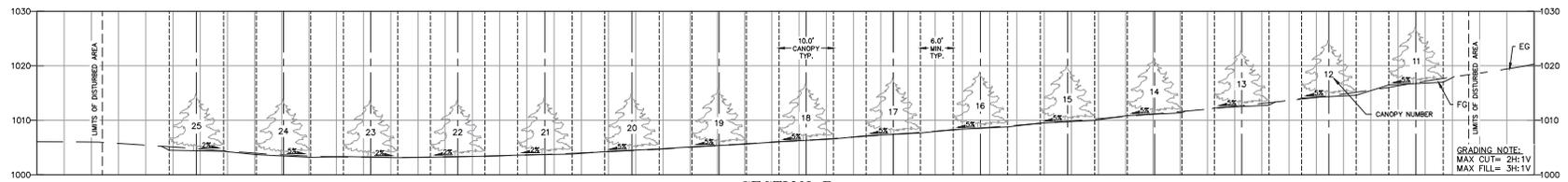
AREA 3 - PRELIMINARY Earthwork Estimate

Cut = 16 cy
 Fill = 8 cy
 Net = 8 cy FILL
 Disturbed Area = 688 acres
 New or Replaced Impervious Area 0 sf.

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



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



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

CONTOUR INTERVAL: 1 FOOT.

REVISION	DESCRIPTION	BY	DATE

SWICEGOOD
 CIVIL ENGINEERING,
 INC. (707) 234-6601 | www.swicegood.com

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

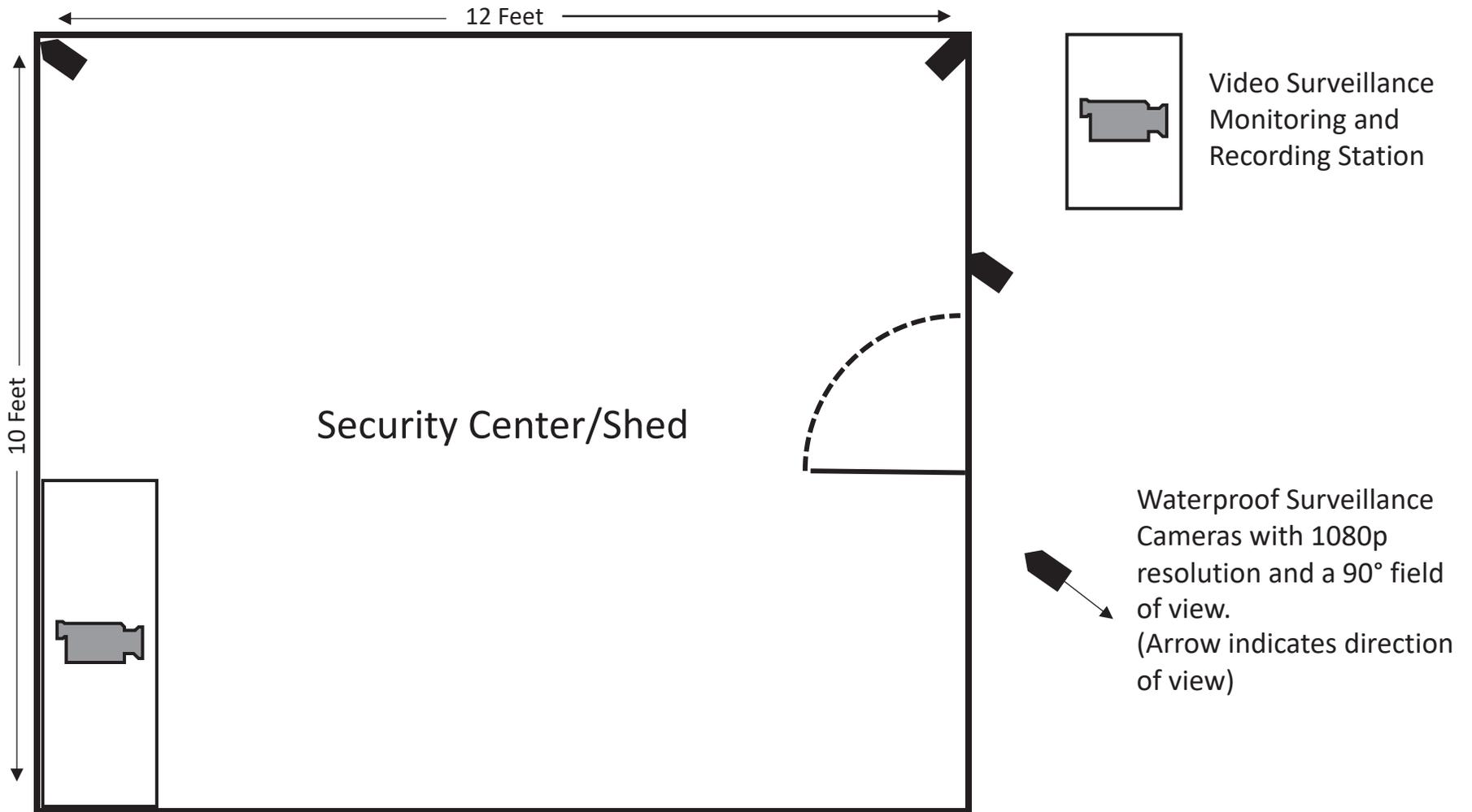
CANBIS CUITIVATION SITEPLAN
 AREAS 2 & 3

MIT FARMS LLC
 22430 & 22368 JERUSALEM GRADE
 MIDDLETOWN, CA

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

Security Shed Layout

(Proposed Wooden Shed)



◆	BENCH MARK	◆	APPROX.
○	SPOT ELEVATION	AC	ASPHALT CONCRETE
△	RANDOM CONTROL POINT W/W	AGG.	AGGREGATE
□	WATER METER	AVE.	AVENUE
□	BACK FLOW PREVENTION DEVICE	BC	BEGIN HORIZONTAL CURVE
□	GAS METER	BLD.	BUILDING
□	ELECTRIC METER	BM	BENCHMARK
□	COMMUNICATION BOX	BO	BLOWOFF
□	MAL. BOX	BOW	BACK OF WALL
□	UTILITY POLE W/ GUY WIRE	BSL	BUILDING SETBACK LINE
□	STREET LIGHT	BVC	BEGIN VERTICAL CURVE
□	TRAFFIC SIGN	BW	BOTTOM WALL
□	SEWER MANHOLE	C	CUT
□	GATE VALVE	CB	CATCH BASIN
○	STORMDRAN CLEANOUT	C&G	CURB AND GUTTER
○	SEWER CLEANOUT	CPP	CAST-IN-PLACE-PIPE
○	STORM DRAIN MANHOLE	CL	CENTERLINE OR CLASS
○	STORM DRAIN CATCH BASIN	COMP	CORRUGATED METAL PIPE
○	STORM DRAIN DROP INLET	CO	CLEANOUT
○	DOWNSPOUT WITH SPLASHBLOCK	CONC.	CONCRETE
○	WELL	CTR	CENTER
○	FIRE HYDRANT	CY	CUBIC YARD
○	WATER VALVE	DI	DROP INLET
○	WATER BLOWOFF VALVE	DIA.	DIAMETER
○	BOLLARD	DIP	DUCTILE IRON PIPE
○	EXISTING TREE	DR.	DRIVE
○	TREE TO BE REMOVED	DS	DOWN SPOUT
○	TREE DRIP LINE	DWG	DRAWING
○	WALL DESIGN	EH	END HORIZONTAL CURVE
○	PROPERTY LINE (APPROX)	EL	ELEVATION
○	ADJOINING PROPERTY LINE	EI	EXPANSION INDEX
○	EASEMENT(APPROX)	EL	ELEVATION
○	BOUNDARY SETBACK	EP	EDGE OF PAVEMENT
○	CENTERLINE	ESMT.	EASEMENT
○	EXISTING CONTOUR MAJOR	EVC	END VERTICAL CURVE
○	EXISTING CONTOUR MINOR	EX	EXISTING
○	PROPOSED CONTOUR MAJOR	F	FILL
○	PROPOSED CONTOUR MINOR	FC	FACE OF CURB
○	EXISTING WIRE FENCE	FF	FINISH FLOOR
○	EXISTING WOOD FENCE	FG	FINISH GRADE
○	EXISTING FLOWLINE	FH	FIRE HYDRANT
○	EXISTING TOP OF SLOPE	FL	FLOWLINE
○	EXISTING TOE OF SLOPE	FSS	FINISHED SURFACE
○	EXISTING STORMDRAN	FS	FIRE SAFE STANDARDS
○	EXISTING STORMDRAN	FT	FOOT
○	EXISTING GRADE BREAK	GB	GALVANIZED
○	EXISTING GAS LINE	GB	GRADE BREAK
○	EXISTING OVERHEAD LINE	GM	GRAVITY MAIN
○	EXISTING UNDERGROUND ELECTRIC	GV	GATE VALVE
○	EXISTING SEWER LINE	HT	HEIGHT
○	EXISTING WATER LINE	HY	HYDRANT
○	PROPOSED GAS LINE	IG	INVERT GRADE
○	PROPOSED UNDERGROUND ELECTRIC	INV.	INVERT
○	PROPOSED SEWER LINE	JP	JOINT POLE
○	PROPOSED WATER LINE	JT	JOINT TRENCH
○	LIMITS OF GRADING AREA	L	LENGTH
○	LIMITS OF DISTURBED AREA	LF	LINEAR FEET
○	PROPOSED ROOF OVERHANG	LG	LIP OF GUTTER
○	PROPOSED GRADE BREAK	MAX.	MAXIMUM
○	PROPOSED FIBER ROLL	MIN.	MINIMUM
○	PROPOSED SILT FENCE	MN	MANHOLE
○	PROPOSED STORMDRAN	NA	NOT APPLICABLE
○	PROPOSED FLOWLINE	NC	NOT IN CONTRACT
○	EXISTING GRAVEL SURFACE	N.T.S.	NOT TO SCALE
○	EXISTING AC PAVEMENT	PC	PORTLAND CEMENT CONCRETE
○	EXISTING CONCRETE SURFACE	PL	PROPERTY LINE
○	EXISTING DECK	PM	PRESSURE MAIN
○	EXISTING BUILDING	PPC	POINT OF CURVE
○	PROPOSED BUILDING	PPR	POINT OF REVERSE CURVE
○	LEACHFIELD AREA(APPROX)	PT	POINT
○	PROPOSED SEPTIC	P.U.E.	PUBLIC UTILITY EASEMENT
○	PROPOSED PRIMARY FILL AREA	PVC	POLYVINYL CHLORIDE
○	PROPOSED SEPTIC	PVI	POINT OF VERTICAL INTERSECTION
○	PROPOSED PRIMARY AREA	PWMT.	PAVEMENT
○	PROPOSED RESERVE AREA	PW	PROCESS WATER
○	PROPOSED RETAINING WALL	R	RADIUS
○	PROPOSED GRAVEL SURFACE	R.C.	RELATIVE COMPACTION
○	PROPOSED AC PAVEMENT	RCB	REINFORCED CONCRETE BOX
○	PROPOSED CONCRETE SURFACE	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
○		S.E.	SEWER EASEMENT
○		SD	STORM DRAIN
○		SDCB	STORM DRAIN CATCH BASIN
○		SDMH	STORM DRAIN MANHOLE
○		S.L.	SEE LANDSCAPE DRAWING
○		SMP	SMOOTH METAL PIPE
○		SPEC.	SPECIFICATION
○		S.P.	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
○		TANL	SQUARE YARD
○		TB	TOP OF BANK OR BOX
○		TBC	TOP BACK OF CURB
○		TC	TOP OF CURB
○		TG	TOP OF GRATE
○		TOE	TOE OF SLOPE
○		TW	TOP OF WALL
○		TYP.	TYPICAL
○		U.S.P.	UNLESS OTHERWISE SPECIFIED UNDER SEPARATE PERMIT
○		V.I.F.	VERIFY IN FIELD
○		V.P.I.	VERTICAL POINT OF INTERSECTION
○		W	WATER OR WEST
○		W.S.	WATER SERVICE

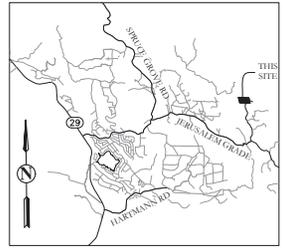
LANDS OF TAI

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 TAI, 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

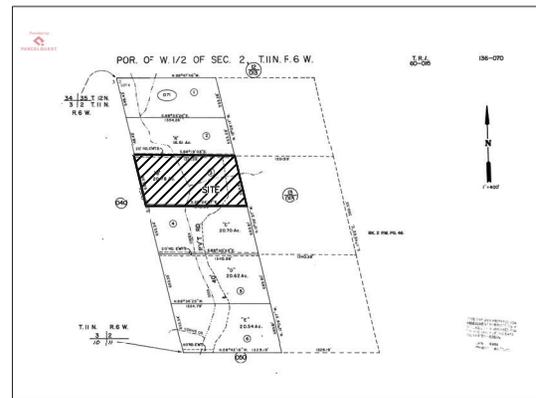
Cut = 30 cy
Fill = 170 cy
Net = 140 cy FILL TO BE IMPORTED

CULVERT #2 - Earthwork Estimate

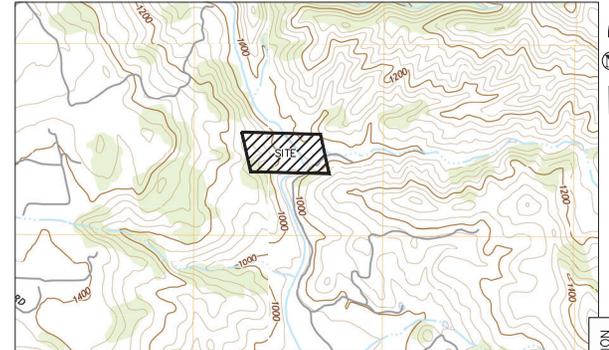
Cut = 1 cy
Fill = 81 cy
Net = 80 cy FILL TO BE IMPORTED

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**



**QUAD MAP
NTS**

LIDAR NOTE:

LIDAR DATA AND ORTHOPHOTOGRAPHY WERE PROVIDED BY THE UNIVERSITY OF MARYLAND UNDER GRANT NN13AP69G 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 NN13AP69G, THE UNIVERSITY OF MARYLAND AND THE SONOMA VEGETATION MAPPING AND LIDAR PROGRAM AS THEIR SOURCES.

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 5/21 REBAR, EL: 4993.10

REVISION	DESCRIPTION	BY	DATE

SWICEGOOD
CIVIL ENGINEERING, INC.
1100 W. WASHINGTON ST., SUITE 100
HEALDSBURG, CA 95448
PHONE: (707) 230-6063 | EMAIL: INFO@SWICEGOOD.COM

APN: 136-071-03



TITLE SHEET
MIT FARMS, LLC
22430 & 22368 JERUSALEM GRADE
MIDDLETOWN, CA

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

NOT FOR CONSTRUCTION

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 ANY AND ALL CLAIMS, DAMAGES, REAL OR 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 NOTICED OR 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 MAY 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; SAID 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 (LCC), 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 REVISED TO CLARIFY IDENTIFIED DISCREPANCIES, ERRORS, OR OMISSIONS. CDD MAY REQUIRE UNAUTHORIZED WORK TO BE REDONE OR REVISED 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, PERMITS, ORDINANCES, OR OTHER APPLICABLE LAWS, OR 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 ON THE WORK SITE. 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 DEBRIS 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 OBSTRUCTIONS NATURED BY THE CONTRACTOR.
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 NOTICED 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 SHALL BE PROTECTED FROM SETBACK AREAS TO FILTER SOIL AND OTHER POLLUTANTS CARRIED IN STORM WATER.
13. EXCESS SOIL SHALL BE REMOVED FROM THE PROJECT SITE UNLESS DEPICTED TO REMAIN ON SITE IN 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 TERRESTRIATED, AND BLENDED TO ADJACENT MATERIALS AND THE MATERIALS ON WHICH THEY REST. FILLS SHALL BE COMPACTED TO SUPPORT ANTICIPATED LOADS AND BE SUBMITTABLE 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 DENSITY AS DETERMINED 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 PROJECT OR MANUFACTURER'S RECOMMENDATIONS, 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 WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION AND LAND DISTURBING ACTIVITIES SUCH AS CULVERTS, GRADING, EXCAVATION, STOCKING, AND 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 PERMIT 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 WHICHEVER IS GREATER, AND THE TIME OF EXPOSURE SHALL BE MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE.
8. DURING THE NON-RAIN SEASON, ON ANY DAY WHEN THE NATIONAL WEATHER SERVICE FORECAST IS A CHANCE 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 BEFORE FORECASTED STORM EVENTS AND AFTER STORM EVENTS TO ENSURE 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 COVERS, BLANKETS OR MATS. TEMPORARY VEGETATION 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 SEDIMENTATION. FIBER ROLLS AND 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 SOD STEP PROCESS, WITH SEED, FERTILIZER, WATER, AND BONDED FIBERS IS ACCEPTABLE.

APPLICATIONS SHALL BE BROADCAST MECHANICALLY OR MANUALLY AT THE RATES SPECIFIED BELOW. SEED MIX AND FERTILIZER SHALL BE WORKED INTO THE SOIL BY TROWING 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. EQUIVALENT METHODS AND MATERIALS MAY BE USED ONLY IF THEY ADEQUATELY PROMOTE VEGETATION GROWTH AND PROTECT EXPOSED SLOPES.

MATERIALS SEED MIX	APPLICATION RATE (POUNDS PER ACRE)
Bromus mollis (BLANDO BROME)	40
Trifolium hirtum (HYLXON ROSE CLOVER)	20
FERTILIZER	500
16-20-0 & 15% SULPHUR	200
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 ERODIBLE STORM WATER FLOW.
20. SOIL, MATERIAL STOCKPILES, AND FERTILIZING MATERIAL SHALL BE PROPERLY PROTECTED WITH PLASTIC COVERS 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 CLEARED OF SOLID WASTE DAILY OR AS NECESSARY. REGULAR REMOVAL AND PROPER DISPOSAL SHALL BE COORDINATED BY THE CONTRACTOR.
22. CONCRETE WASHOUT AREA SHALL BE DESIGNED 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 THROUGHOUT 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.

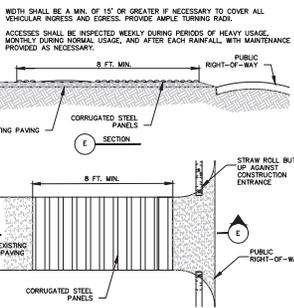
GRADING AND DRAINAGE INSPECTION NOTES

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 OBTAIN A PRE-CONSTRUCTION CONSULTATION WITH CDD STAFF TO DISCUSS 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, 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 FORMS IN ANY ACCESS ROAD TO THE PROJECT SITE.

GENERAL CONDITIONS GRADING/STORMWATER REVIEW FIELD CHANGES NOTES:

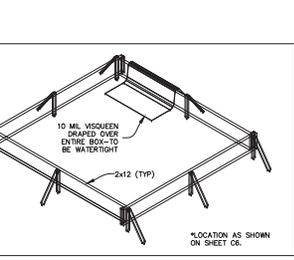
1. FIELD REVIEWS ARE REQUIRED AND SUBJECT TO LCC SEC. 30-32.1: "THE PERMITTEE OF ANY VALD GRADING PERMIT MAY APPLY FOR AN EXTENSION OR MODIFICATION OF THIS PERMIT. ANY PROPOSED CHANGES TO THE APPROVED GRADING PERMIT SHALL BE SUBMITTED TO THE COMMUNITY DEVELOPMENT DEPARTMENT FOR REVIEW. THE PERMITTEE 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, THE APPLICANT SHALL REVIEW THE FIELD CONDITIONS AND MAKE REVISIONS AND RECOMMENDATIONS IN THE ORIGINAL APPROVED PLANS, REVISED PLANS SHALL BE SUBMITTED TO THE COMMUNITY DEVELOPMENT DEPARTMENT FOR REVIEW PRIOR TO THE IMPLEMENTATION OF SUCH ACTIVITIES DIFFER FROM APPROVED GRADING PERMIT APPLICATION AND PLAN. SIGNIFICANT CHANGES MAY BE SUBJECT TO FURTHER REVIEW ACCORDING TO THE CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)."

NOTES:
CORRUGATED STEEL PANEL SHALL BE A MINIMUM OF 8".
WITH SHALL BE A MIN. OF 12" OR GREATER IF NECESSARY TO COVER ALL VERTICAL RIBS AND SPORES PROVIDE AMPLE TURNING RADIUS.
ACCESS SHALL BE INSPECTED WEEKLY DURING PERIODS OF HEAVY USAGE, MOSTLY DURING NORMAL USAGE, AND AFTER EACH RAINFALL, WITH MAINTENANCE PROVIDED AS NECESSARY.



STEEL PLATED CONSTRUCTION ENTRANCE

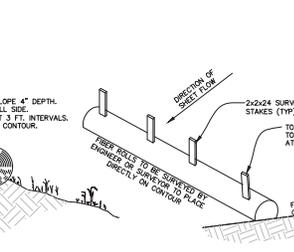
NTS



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

CONCRETE WASHOUT BOX

NTS



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 AND SHALL BE INSTALLED ON CONTOUR, NO EXCEPTIONS.

FIBER ROLL INSTALLATION

NTS

REVISION	DESCRIPTION	BY	DATE

SWICEGOOD CIVIL ENGINEERING, INC.
 11500 S. HIGHWAY 101, SUITE 100, MIDDLETOWN, CA 94042
 PHONE: (707) 236-0600 | FAX: (707) 236-0601

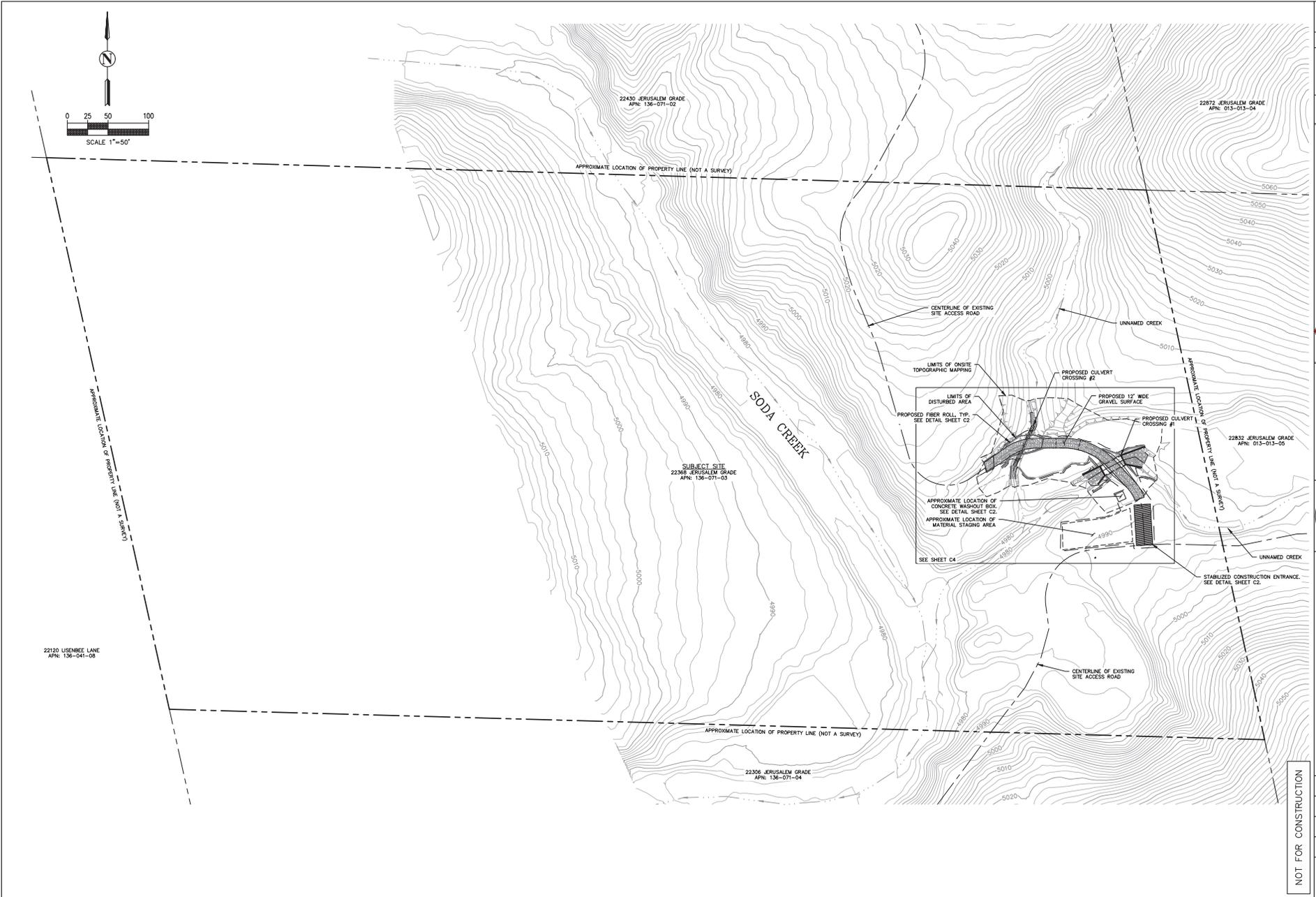
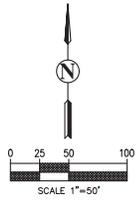
APN: 136-071-03



NOTES AND EROSION CONTROL DETAILS
 MIT FARMS LLC
 22430 & 223668 JERUSALEM GRADE
 MIDDLETOWN, CA

NOT FOR CONSTRUCTION

Date:	12/10/24
Scale:	NA
Drawn:	DR
Job:	22-52
Sheet:	C2



REVISION	DESCRIPTION	BY	DATE

SWICEGOOD
 CIVIL ENGINEERING, INC.
 Phone: (707) 236-6661 | email: info@swicegood.com

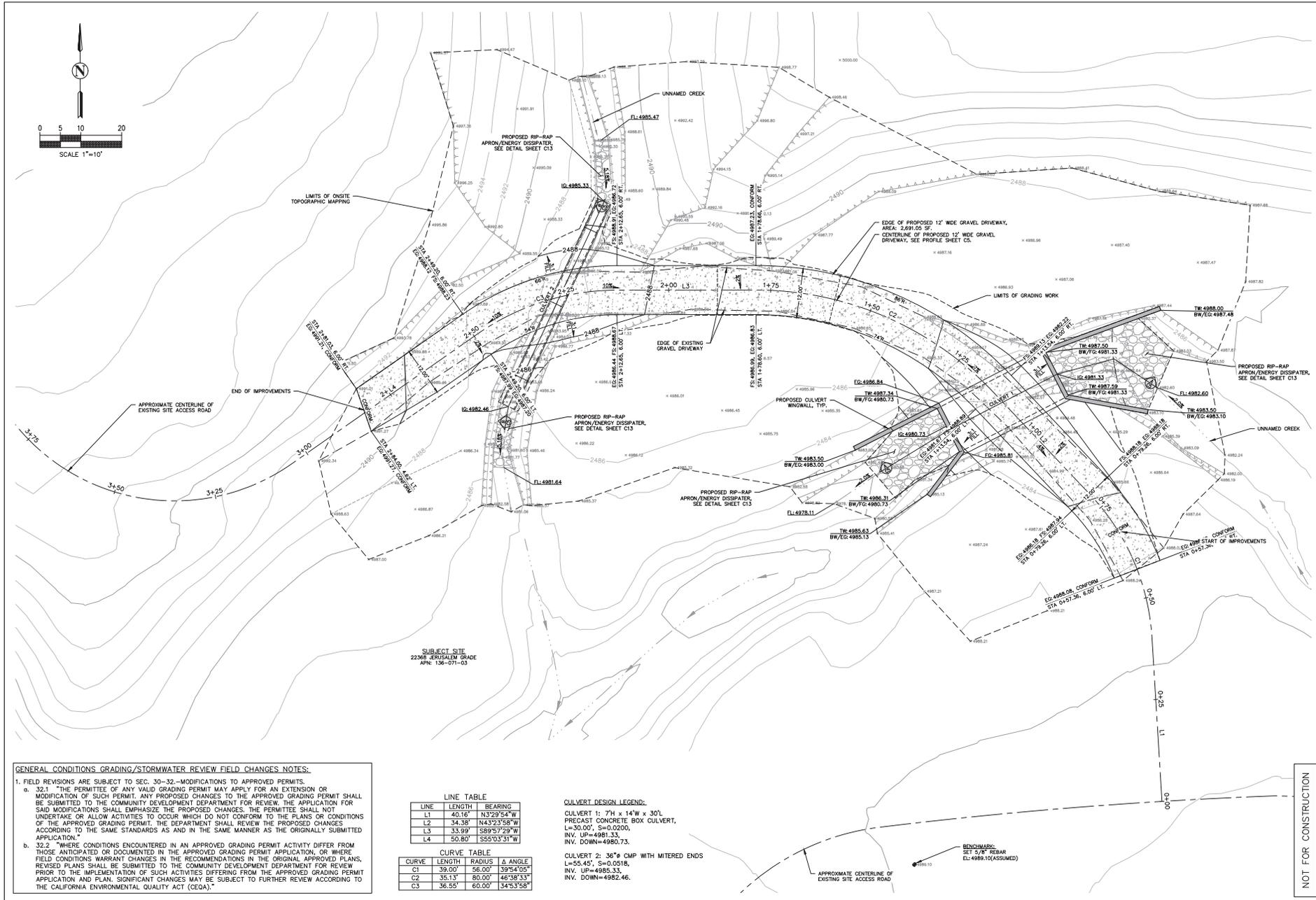
APN: 136-071-03



OVERALL SITE PLAN
 MIT FARMS, LLC
 22430 JERUSALEM GRADE
 MIDDLETOWN, CA

NOT FOR CONSTRUCTION

Date: 12/10/24
 Scale: 1" = 50'
 Drawn: DR
 Job: 22-52
 Sheet: **C3**
 3 of 6



GENERAL CONDITIONS, GRADING/STORMWATER REVIEW FIELD CHANGES NOTES:

1. FIELD REVISIONS ARE SUBJECT TO SEC. 30-32--MODIFICATIONS TO APPROVED PERMITS.

a. 32.1 "THE PERMITEE 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 APPLICATION FOR SAID MODIFICATIONS SHALL EMPHASIZE THE PROPOSED CHANGES. THE PERMITEE 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."

b. 32.2 "WHERE CONDITIONS ENCOUNTERED IN AN APPROVED GRADING PERMIT ACTIVITY DIFFER FROM THOSE ANTICIPATED OR DOCUMENTED IN THE APPROVED GRADING PERMIT APPLICATION, OR WHERE FIELD CONDITIONS WARRANT CHANGES IN THE RECOMMENDATIONS IN THE ORIGINAL APPROVED PLANS, REVISED PLANS SHALL BE SUBMITTED TO THE COMMUNITY DEVELOPMENT DEPARTMENT FOR REVIEW PRIOR TO THE IMPLEMENTATION OF SUCH ACTIVITIES DIFFERING FROM THE APPROVED GRADING PERMIT APPLICATION AND PLAN. SIGNIFICANT CHANGES MAY BE SUBJECT TO FURTHER REVIEW ACCORDING TO THE CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)."

LINE TABLE

LINE	LENGTH	BEARING
L1	40.16'	N3°29'54"W
L2	34.38'	N43°23'58"W
L3	33.99'	S89°57'29"W
L4	50.80'	S55°03'51"W

CURVE TABLE

CURVE	LENGTH	RADIUS	Δ ANGLE
C1	39.00'	56.00'	39°54'09"
C2	35.13'	80.00'	46°38'33"
C3	36.58'	60.00'	54°53'58"

CULVERT DESIGN LEGEND:

CULVERT 1: 7'H x 14'W x 30'L
 PRECAST CONCRETE BOX CULVERT,
 L=30.00', S=0.0200',
 INV. UP=4981.33,
 INV. DOWN=4980.73.

CULVERT 2: 36"Ø CMP WITH MITERED ENDS
 L=35.45', S=0.0518',
 INV. UP=4985.33,
 INV. DOWN=4982.46.

REVISION	DESCRIPTION	BY	DATE

SWICEGOOD CIVIL ENGINEERING, INC.
 Phone: (707) 326-6661 | Email: info@swicegood.com

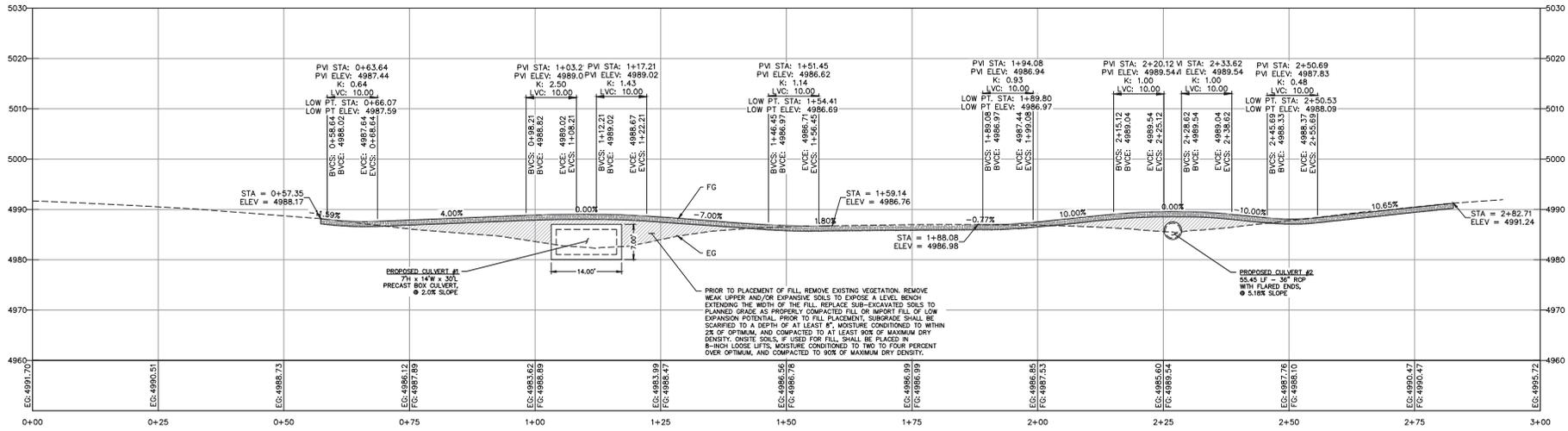
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GRADING PLAN

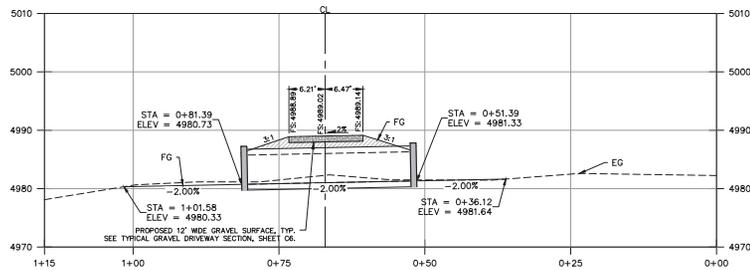
MIT FARMS, LLC
 22430 & 22368 JERUSALEM GRADE
 MIDDLETOWN, CA

Date: 12/10/24
 Scale: 1" = 10'
 Drawn: DR
 Job: 22-52
 Sheet: **C4**
 4 of 6

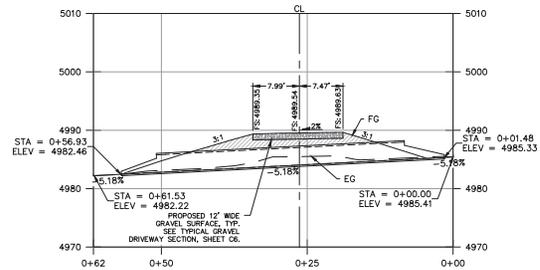
NOT FOR CONSTRUCTION



DRIVEWAY CENTERLINE PROFILE VIEW
SCALE: 1"=10' (H,V)



CULVERT 1 - SECTION A
SCALE: 1"=10'



CULVERT 2 - SECTION B
SCALE: 1"=10'

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

REVISION	DESCRIPTION	BY	DATE

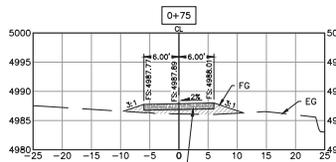


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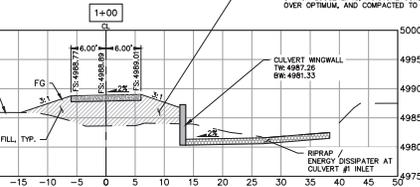
DRIVEWAY PROFILE AND CULVERT SECTIONS
MIT FARMS, LLC
22430 & 22368 JERUSALEM GRADE
MIDDLETOWN, CA

NOT FOR CONSTRUCTION
Date: 12/10/24
Scale: 1"=10'
Drawn: DR
Job: 22-52
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5 of 6



0+75

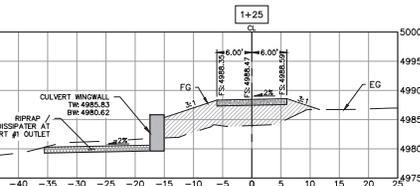
PROPOSED 12" WIDE GRAVEL SURFACE, TYP. SEE TYPICAL GRAVEL DRIVEWAY SECTION, THIS SHEET.



1+00

CULVERT WINGWALL TW 4987.25 BR 4986.53

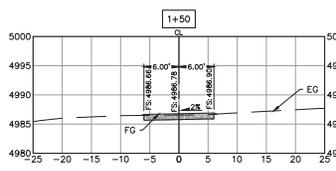
RIPRAP / ENERGY DISSIPATER AT CULVERT @ INLET



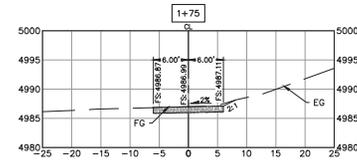
1+25

CULVERT WINGWALL TW 4986.63 BR 4986.62

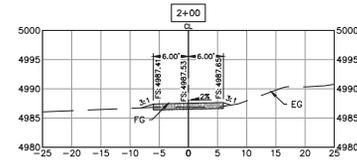
RIPRAP / ENERGY DISSIPATER AT CULVERT @ OUTLET



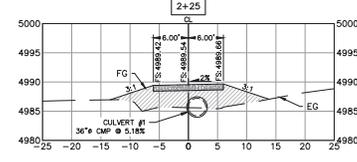
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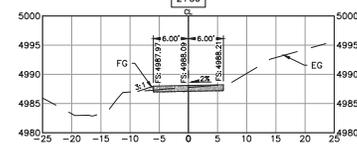


2+00

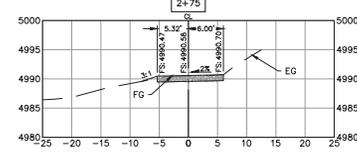


2+25

CULVERT #1 36\"/>



2+50



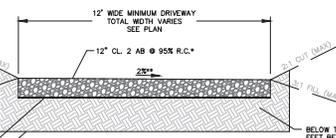
2+75

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.

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\"/>



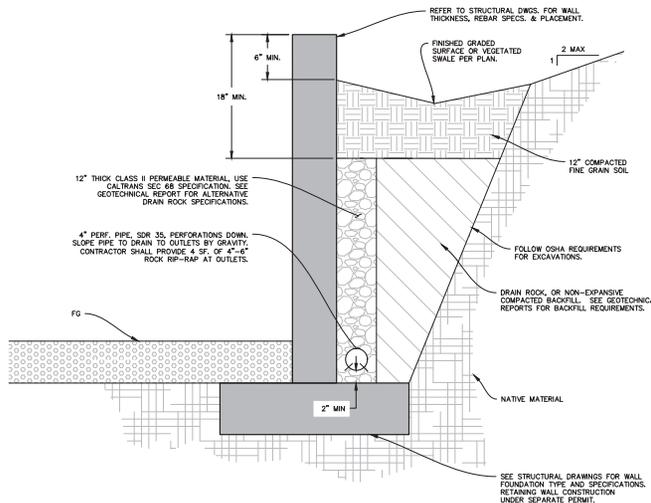
*DRIVEWAY SURFACE SHALL BE PER LAKE COUNTY CODE.

**CROSS SLOPE DIRECTION VARIES PER PLANS.

TYPICAL GRAVEL DRIVEWAY SECTION

NTS

BELOW THE DRIVEWAY AND EXTENDING TO AT LEAST 3 FEET BEYOND THE EDGE OF DRIVEWAY, THE DRIVEWAY SECTION SHALL BE UNDERLAIN BY A MINIMUM 18\"/>



RETAINING WALLS BACKDRAINAGE
REFER TO GEOTECHNICAL REPORT

NTS

RIPRAP SIZING:

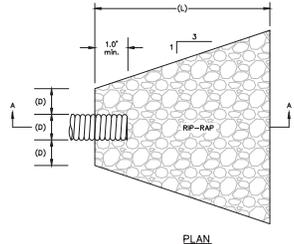
D_{90} = RIPRAP SIZE (H)
 Q = DESIGN DISCHARGE ($H^{3/2}$)
 D = PIPE DIAMETER, DEPTH OF DITCH/SWALE OR AVERAGE HEIGHT AND WIDTH OF BOX CULVERT (H)
 TW = TAILWATER DEPTH (H)(USE 0.4D IF UNKNOWN)
 g = ACCELERATION DUE TO GRAVITY (32.2 ft/s^2)
 $D_{90} = \left[\frac{Q}{1.486} \right]^{2/3} \left[\frac{TW}{g} \right]$

APRON SIZING:

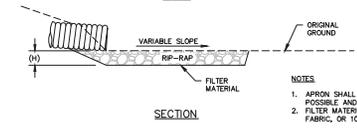
1. (L) = LENGTH OF APRON (H)
2. (D) = PIPE DIAMETER, DEPTH OF DITCH/SWALE OR AVERAGE HEIGHT AND WIDTH OF BOX CULVERT (H)
3. (H) = DEPTH OF APRON
4. (D_{90}) = RIPRAP SIZE (H), SHALL BE 4"-6" MIN. (CLASS 2)

APRON DIMENSIONS

US 2	RIPRAP SIZE (D ₉₀)	LENGTH OF APRON (L)	DEPTH OF APRON (H)
2	4"	40'	3.00'
2	6"	40'	3.30'
2	8"	50'	3.00'
2	10"	60'	2.40'
2	12"	60'	2.20'
2	14"	70'	2.20'
2	20"	70'	2.00'
2	22"	80'	2.00'



PLAN



SECTION

- 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) VISQUEL (OR EQUIVALENT).

RIPRAP APRON

NTS

REVISION	DESCRIPTION	BY	DATE

SWICEGOOD
CIVIL ENGINEERING, INC.
PHOTO: (707) 326-6661 | email: info@swicegood.com

APN: 136-071-03



DRIVEWAY SECTIONS AND DETAILS
MIT FARMS ILLC
22430 & 22368 JERUSALEM GRADE
MIDDLETOWN, CA

NOT FOR CONSTRUCTION
Date: 12/10/24
Scale: AS NOTED
Drawn: DR
Job: 22-52
Sheet: C6
6 of 6