

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

- PERFORM EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) IN ACCORDANCE WITH CHAPTER 11 AND 11A OF THE SONOMA COUNTY CODE (SCC), AND APPLICABLE SONOMA COUNTY REGULATIONS.
- THE APPROVED PLANS SHALL CONFORM TO THE PERMIT AND RESOURCE MANAGEMENT DEPARTMENT'S (PRMD) EPSC BEST MANAGEMENT PRACTICES (BMP'S) GUIDE AS POSTED ON THE PRMD WEBSITE.
- 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 SCC.
- IF DISCREPANCIES OCCUR BETWEEN THESE NOTES, MATERIAL REFERENCED ON THE APPROVED PLANS OR MANUFACTURER'S RECOMMENDATIONS, THEN THE MOST PROTECTIVE SHALL APPLY.
- 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 FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION AND LAND DISTURBING ACTIVITIES SUCH AS CLEARING, GRADING, EXCAVATION, STOCKPILING, AND RECONSTRUCTION OF EXISTING FACILITIES INVOLVING REMOVAL AND REPLACEMENT.
- THE PROPERTY OWNER MUST IMPLEMENT AN EFFECTIVE COMBINATION OF EPSC ON ALL DISTURBED AREAS DURING THE RAINY SEASON (OCTOBER 1 - APRIL 30). 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 SCC.
- DURING THE RAINY SEASON, STORM WATER BMP'S REFERENCED OR DETAILED IN PRMD'S BMP GUIDE 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.
- DURING THE NON-RAINY 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 REFERENCED OR DETAILED IN PRMD'S BMP GUIDE 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.
- EPSC BMP'S SHALL BE INSPECTED BY THE PROPERTY OWNER BEFORE FORECASTED STORM EVENTS AND AFTER STORM EVENTS TO ENSURE BMP'S ARE FUNCTIONING PROPERLY. EPSC BMP'S THAT HAVE FAILED OR ARE NO LONGER EFFECTIVE SHALL BE PROMPTLY REPLACED. EPSC BMP'S SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED.
- 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.
- CHANGES TO THE EPSC 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 PRMD STAFF.
- 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.
- 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 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.
- ALL DISTURBED AREAS SHALL BE PROTECTED BY USING EROSION PREVENTION BMP'S TO THE MAXIMUM EXTENT PRACTICABLE, SUCH AS ESTABLISHING VEGETATION COVERAGE, HYDROSEEDING, STRAW BERM, GEOTEXTILES, PLASTIC COVERS, BARRIERS, OR MATS. TEMPORARY REVEGETATION SHALL BE INSTALLED AS SOON AS PRACTICAL AFTER VEGETATION REMOVAL, BUT IN ALL CASES PRIOR TO OCTOBER 1. PERMANENT REVEGETATION OR LANDSCAPING SHALL BE INSTALLED PRIOR TO FINAL INSPECTION.
- 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 MIGRATION. FIBER ROLLS AND SILT FENCES SHALL BE TRENCHED AND KEYED INTO THE SOIL AND INSTALLED ON CONTOUR. SILT FENCES SHALL BE INSTALLED APPROXIMATELY 2 TO 5 FEET FROM TOE OF SLOPE.
- 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.

MATERIALS	APPLICATION RATE (POUNDS PER ACRE)
SEED MIX	
Bromus mollis (BLAND BROME)	40
Trifolium hirtum (HYKON ROSE CLOVER)	20
FERTILIZER	
6-20-0 & 15% SULPHUR	500
MULCH	
STRAW	4000
HYDRAULIC STABILIZING	
M-BINDER OR SENTINEL	75-100
EQUIVALENT MATERIAL	PER MANUFACTURER
MNDN-ASPHALTIC, DERIVED FROM PLANTS	

- DUST CONTROL SHALL BE PROVIDED BY CONTRACTOR DURING ALL PHASES OF CONSTRUCTION.
- STORM DRAIN INLETS SHALL BE PROTECTED FROM POTENTIAL POLLUTANTS UNTIL DRAINAGE CONVEYANCE SYSTEMS ARE FUNCTIONAL AND CONSTRUCTION IS COMPLETE.
- ENERGY DISSIPATORS SHALL BE INSTALLED AT STORM DRAIN OUTLETS WHICH MAY CONVEY ERODIVE STORM WATER FLOW.
- 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.
- 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.
- A CONCRETE WASHOUT AREA SHALL BE DESIGNATED TO CLEAN CONCRETE TRUCKS AND TOWLS. 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.
- PROPER APPLICATION, CLEANING, AND STORAGE OF POTENTIALLY HAZARDOUS MATERIALS, SUCH AS PAINTS AND CHEMICALS, SHALL BE CONDUCTED TO PREVENT THE DISCHARGE OF POLLUTANTS.
- TEMPORARY RESTROOMS AND SANITARY FACILITIES SHALL BE LOCATED AND MAINTAINED DURING CONSTRUCTION ACTIVITIES TO PREVENT THE DISCHARGE OF POLLUTANTS.
- APPROPRIATE VEHICLE STORAGE, FUELING, MAINTENANCE, AND CLEANING AREAS SHALL BE DESIGNATED AND MAINTAINED TO PREVENT DISCHARGE OF POLLUTANTS.

GRADING AND DRAINAGE NOTES

- PERFORM GRADING AND DRAINAGE IMPROVEMENTS IN ACCORDANCE WITH CHAPTER 11 AND 11A OF THE SONOMA COUNTY CODE (SCC), APPLICABLE SONOMA COUNTY REGULATIONS.
- 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 SONOMA COUNTY PERMIT AND RESOURCE MANAGEMENT DEPARTMENT (PRMD). PROPOSED MODIFICATIONS TO THE APPROVED PLANS AND SPECIFICATIONS SHALL BE SUBMITTED TO PRMD 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. PRMD MAY REQUIRE UNAUTHORIZED WORK TO BE REDONE, OR REVISED TO VERIFY COMPLIANCE WITH SCC. PRMD MAY INITIATE ENFORCEMENT ACTION AND SEEK THE IMPOSITION OF CIVIL PENALTIES FOR VIOLATIONS OF SCC.
- 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.
- PRMD MAY ORDER THAT ANY WORK STOP IMMEDIATELY IF IT IS PERFORMED CONTRARY TO CHAPTER 11 AND 11A OF THE SCC, THE APPROVED PLANS AND SPECIFICATIONS, PERMIT CONDITIONS, OR ANY WORK THAT HAS BECOME HAZARDOUS TO PROPERTY OR THE PUBLIC. A GRADING OR DRAINAGE PERMIT MAY BE SUSPENDED, REVOKED, OR MODIFIED BY PRMD IN ACCORDANCE WITH SCC 11.24.080.
- ISSUANCE OF A GRADING OR DRAINAGE PERMIT BY PRMD 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 WORK SHOWN ON THE APPROVED PLANS. FAILURE TO OBTAIN ALL REQUIRED PERMITS MAY RESULT IN FINES FROM OTHER AGENCIES.
- 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 TRANSPORTATION AND PUBLIC WORKS AT (707) 565-2231 FOR FURTHER ASSISTANCE. IN ANY EVENT, THE PROPERTY OWNER AND/OR CONTRACTOR SHALL BE HELD LIABLE FOR ANY DAMAGE DUE TO OBSTRUCTING NATURAL DRAINAGE PATTERNS.
- 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.
- 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 NORTHWEST INFORMATION CENTER SHALL BE NOTIFIED AT (707) 588-8455. 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 SCC 11.16.050. IF HUMAN BURIALS OR HUMAN REMAINS ARE ENCOUNTERED, THE CONTRACTOR SHALL ALSO NOTIFY THE COUNTY CORNER AT (707) 565-5070.
- 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.
- RETAINING WALLS, UNLESS EXEMPTED PER SCC 7.13(A)(3)4, ARE NOT APPROVED UNDER A GRADING PERMIT. A SEPARATE BUILDING PERMIT IS REQUIRED.
- EQUIPMENT SHALL NOT CROSS OR DISTURB CHANNELS OF ACTIVELY FLOWING STREAMS WITHOUT A PRMD APPROVED ROLLING PERMIT AND BEST MANAGEMENT PRACTICES (SCC 23.1 AND 11.16.060.D).
- GRADING AND DRAINAGE IMPROVEMENTS SHALL BE SET BACK FROM LAKES, PONDS, STREAMS, AND WETLANDS IN COMPLIANCE WITH THE REQUIREMENTS OF SCC 11.16.100, 11.16.120, AND 11.16.130. EXISTING VEGETATION SHALL BE RETAINED IN STREAM SETBACK AREAS TO FILTER SOIL AND OTHER POLLUTANTS CARRIED IN STORM WATER.
- EXCESS SOIL SHALL BE REMOVED FROM THE PROJECT SITE UNLESS DEPICTED TO REMAIN ON SITE PER THE APPROVED PLAN. THE SITE RECEIVING SOIL MAY REQUIRE A GRADING PERMIT UNLESS EXEMPTED BY SCC 11.04.010.C.
- 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.
- 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 COMPETENT TO SUPPORT ANTICIPATED LOADS AND BE STABLE AT THE DESIGN SLOPES SHOWN ON THE APPROVED PLANS AND SPECIFICATIONS OR AS DIRECTED BY THE SOILS ENGINEER.
- 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.
- FILL SHALL NOT BE PLACED ON NATURAL SLOPES STEEPER THAN 2H:1V (50 PERCENT), UNLESS DIRECTED BY THE PROJECT GEOTECHNICAL ENGINEER.
- FILLS INTENDED TO SUPPORT STRUCTURES OR SURCHARGES SHALL BE COMPACTED TO A MINIMUM OF 90 PERCENT OF MAXIMUM DRY DENSITY, AS DETERMINED BY ASTM D 1557, MODIFIED PROCTOR. A HIGHER COMPACTION PERCENTAGE MAY BE REQUIRED BY THE SOILS ENGINEER.
 - FILL GREATER THAN THREE FEET IN DEPTH SHALL BE COMPACTED TO THE DENSITY SPECIFIED BY THE SOILS ENGINEER.
 - 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.

EARTHWORK:

CUT = 4,150 CY
 FILL = 1,850 CY
 NET = 2,300 CY CUT (OFFHAUL)

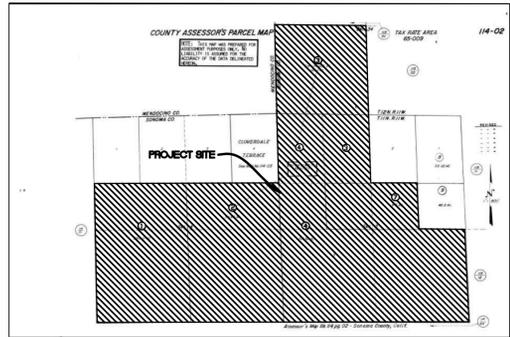
NOTES:

- THE QUANTITIES LISTED ARE THE ENGINEER'S ESTIMATE OF SURFACE GRADING ONLY. ADDITIONAL SUBSURFACE GRADING WILL BE REQUIRED FOR UTILITY TRENCHES, BENCHING, KEYWAYS, OVER EXCAVATION, IMPROV. FILL, ETC.
- CONTRACTOR IS RESPONSIBLE FOR HIS OWN EARTHWORK QUANTITIES.
- NO EXPANSION/CONTRACTION FACTORS HAVE BEEN APPLIED. EXPANSION AND/OR CONTRACTION MAY BE EXPERIENCED DUE TO ACTUAL FIELD CONDITIONS.
- APPROXIMATE DISTURBED AREA OF SITE = 4.6 ACRES.

GRADING AND DRAINAGE PLANS

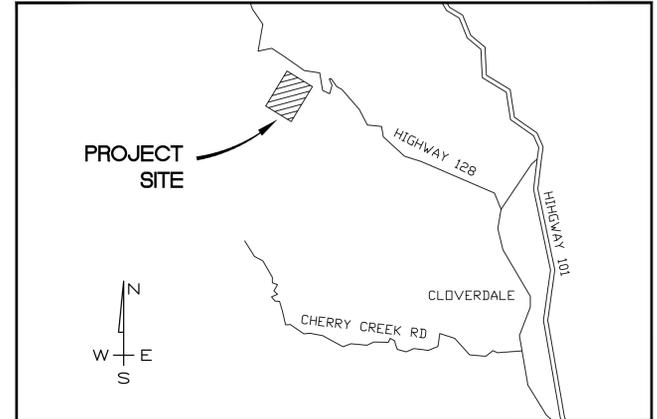
FOR MAZZINI RANCH

APN 115-020-001, 114-020-002, 114-020-003
 114-020-004, 114-020-007
 34201 HWY 128
 CLOVERDALE, CA



AP MAP

NO SCALE



LOCATION MAP

NO SCALE

SOILS ANALYSIS

THE USDA-SCS SONOMA COUNTY SOIL SURVEY MAPS THE PROJECT SITE AS:

Hg2c HENNEKE GRAVELLY LDM, 30% TO 75% SLOPES, ERODED
 JoF JOSEPHINE LDM, 30% TO 50 % SLOPES
 Suf SITES LDM, 30% TO 50% SLOPES
 Y4F YORKVILLE CLAY LDM, 30% TO 50% SLOPES

OWNER

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PROJECT DESCRIPTION

IMPROVEMENTS OF EXISTING DRIVEWAYS TO FIRE SAFE STANDARDS, AND ASSOCIATED NECESSARY GRADING AND DRAINAGE IMPROVEMENTS.

CONSTRUCTION SCHEDULE

TBD CLEARING, GRUBBING AND SITE PREP.
 TBD START WORK ON GRADING IMPROVEMENTS.
 TBD IMPROVEMENTS COMPLETED AND WINTERIZED.

INSPECTION NOTES

- THE PERMITTEE AND THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR THE WORK TO BE PERFORMED IN COMPLIANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, CHAPTER 11 AND 11A OF THE SONOMA COUNTY CODE (SCC), AND ANY PERMIT CONDITIONS. WORK SHALL BE SUBJECT TO INSPECTION AS REQUIRED BY THE SONOMA COUNTY PERMIT AND RESOURCE MANAGEMENT DEPARTMENT (PRMD) TO VERIFY COMPLIANCE. THE CONTRACTOR SHALL CONSULT THE PROJECT JOB CARD FOR COORDINATION OF INSPECTION REQUESTS.
- PRIOR TO THE START OF ANY GRADING OR DRAINAGE WORK, THE PERMITTEE SHALL HAVE A PRE-CONSTRUCTION CONSULTATION WITH PRMD 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.
- INSPECTION REQUESTS SHALL BE MADE THROUGH THE SONOMA COUNTY AUTOMATED INSPECTION REQUEST SYSTEM (SELECTRON), AT PHONE NUMBER (707) 565-3551.
- PRMD 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 PRMD AND THE PERMITTEE ANY INSTANCE OF WORK NOT IN COMPLIANCE WITH THE APPROVED PLANS, SPECIFICATIONS, OR PERMIT CONDITIONS. IF PROFESSIONAL PERSONNEL IS CHANGED DURING THE COURSE OF THE WORK, THE WORK SHALL BE STOPPED UNTIL THE REPLACEMENT INDIVIDUAL HAS NOTIFIED PRMD IN WRITING THEIR AGREEMENT TO ACCEPT RESPONSIBILITY FOR APPROVAL OF THE COMPLETED WORK WITHIN THE AREA OF THEIR TECHNICAL COMPETENCE.
- PRMD 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 SCC 11.14.040A 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.
- THE PERMITTEE SHALL PROVIDE ADEQUATE AND SAFE ACCESS TO THE PROJECT SITE FOR INSPECTION DURING THE PERFORMANCE OF ALL WORK.
- DURING CONSTRUCTION ACTIVITIES, THE PROJECT SITE ADDRESS SHALL BE POSTED AS FOLLOWS:
 - THE STREET NUMBERS MUST BE AT LEAST FOUR INCHES TALL, WITH A REFLECTIVE SURFACE.
 - THE ADDRESS MUST BE VISIBLE FROM BOTH DIRECTIONS ALONG THE ROAD.
 - THE ADDRESS MUST BE POSTED AT ALL FORKS IN ANY ACCESS ROAD AND AT THE PROJECT SITE.

ABBREVIATIONS/LEGEND

AB AGGREGATE BASE	HPPE HIGH DENSITY POLYETHYLENE	--- RECORDED BOUNDARY LINE
AC ASPHALT CONCRETE	HP HIGH POINT	- - - - ADJACENT BOUNDARY LINE
ARCH ARCHITECTURAL	INV INVERT ELEVATION	--- EXISTING FLOWLINE
BC BEGIN CURVE	LP LOW POINT	- - - - EXISTING TOP OF BANK
BSW BACK OF SIDEWALK	NO NEW/PROPOSED	- - - - EXISTING GRAVEL ROAD
BVCE BEGIN VERTICAL CURVE ELEVATION	OC ON CENTER	--- TREE DRIPLINE
BVCS BEGIN VERTICAL CURVE STATION	PC POINT OF CURVATURE	--- EXISTING TREE
BW BOTTOM OF WALL	PCC PORTLAND CEMENT CONCRETE	--- PROPOSED SWALE PER PLAN AND DETAIL
CB CATCH BASIN	PVC POLYVINYLCHLORIDE PIPE	--- PROPOSED STORM DRAIN PIPE
CL CENTERLINE	R RADIUS	
CCNC CONCRETE	R.C. RELATIVE COMPACTION	
CPP CORRUGATED PLASTIC PIPE	RCP REINFORCED CONCRETE PIPE	
DI DROP INLET	R/W RIGHT OF WAY	
DIP DUCTILE IRON PIPE	S SLOPE	
DIA DIAMETER	SD STORM DRAIN	
DVY DRIVEWAY	SDDI STORM DRAIN DROP INLET	
EG END CURVE	SMH STORM DRAIN MANHOLE	
EG EXISTING GROUND	SS SANITARY SEWER	
ELEV ELEVATION	SSMH SANITARY SEWER MANHOLE	
EP EDGE OF PAVEMENT	SSCD SANITARY SEWER CLEANOUT	
ESMT EASEMENT	STA STATION	
(EX) EXISTING	STD STANDARD	
FF FINISH FLOOR	TC TOP OF CURB	
FG FINISH GRADE	TG TOP OF GRATE	
FS FINISH SURFACE	TW TOP OF WALL	
FL FLOWLINE	TYP TYPICAL	
GB GRADE BREAK	UND UNNOTED OTHERWISE	
GR GRATE ELEVATION	W WATER	
H= HEIGHT	WM WATER METER	

GRADING APPROVED
 Steve Snow
 March 15, 2022
PERMIT SONOMA ENGINEERING

GRADING APPROVED
 Steve Snow
 March 15, 2022
PERMIT SONOMA ENGINEERING

- as noted.
- subject to attached conditions.
- subject to soil report recommendations.

GRD21-0062

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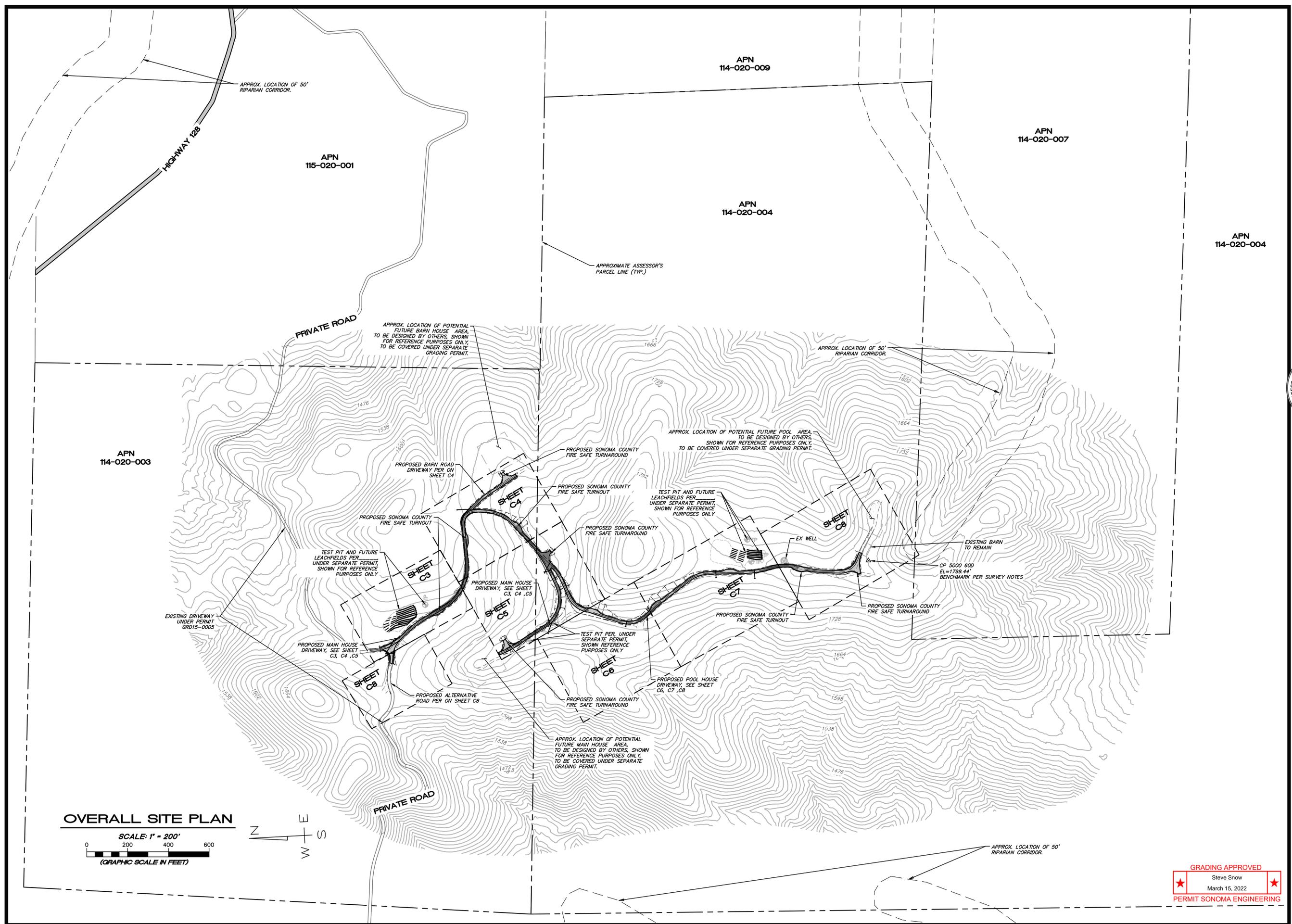
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 Exp. 9-30-22

CORT L. MUNSELLE
 P.E. 69941

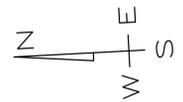
MAZZINI RANCH
 COVER SHEET, NOTES, LOCATION MAP
 APN 114-020-001, 114-020-002, 114-020-003, 114-020-004, 114-020-007
 34201 HWY 128
 CLOVERDALE, CA

OCTOBER 8, 2021
 JOB NO. 188-20
 SHEET NO. C1
 OF 16 SHEETS

P:\MCE_JOBS\2020\188-20_MAZZINI_RANCH\DWGS\188-20_IP.DWG 11/1/2021 4:17 PM AN



OVERALL SITE PLAN
 SCALE: 1" = 200'
 0 200 400 600
 (GRAPHIC SCALE IN FEET)



GRADING APPROVED
 Steve Snow
 March 15, 2022
 PERMIT SONOMA ENGINEERING

DATE	
BY	
DESCRIPTION	
REVISION	

MUNSELLE CIVIL ENGINEERING
 ♦ CIVIL ENGINEERING ♦ SURVEYING ♦
 ♦ PLANNING ♦ CONST. MANAGEMENT ♦
 519 CENTER STREET
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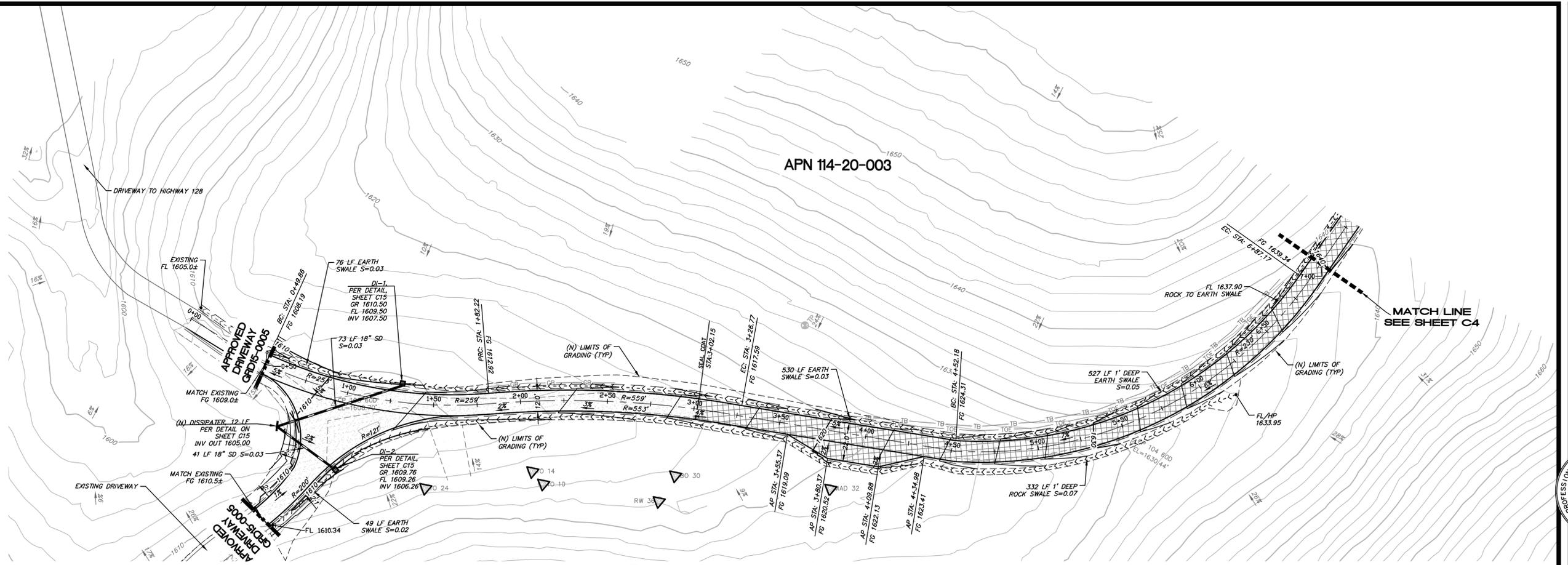
REGISTERED PROFESSIONAL ENGINEER - VIBRO
 CORT L. MUNSELLE
 No. 69941
 Exp. 9-30-22
 CIVIL
 STATE OF CALIF.

DATE
 DATE
 DATE
 DATE

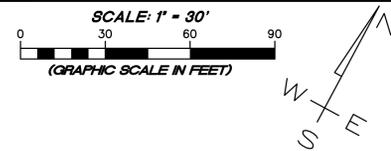
MAZZINI RANCH
 OVERALL SITE PLAN AND NOTES
 APN 114-020-001, 114-020-002, 114-020-003, 114-020-004, 114-020-007
 94021 HWY 128
 CLOVERDALE, CA

OCTOBER 8, 2021
 JOB NO.
 188-20
 SHEET NO.
C2
 OF 16 SHEETS

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MAIN HOUSE DRIVEWAY PLAN

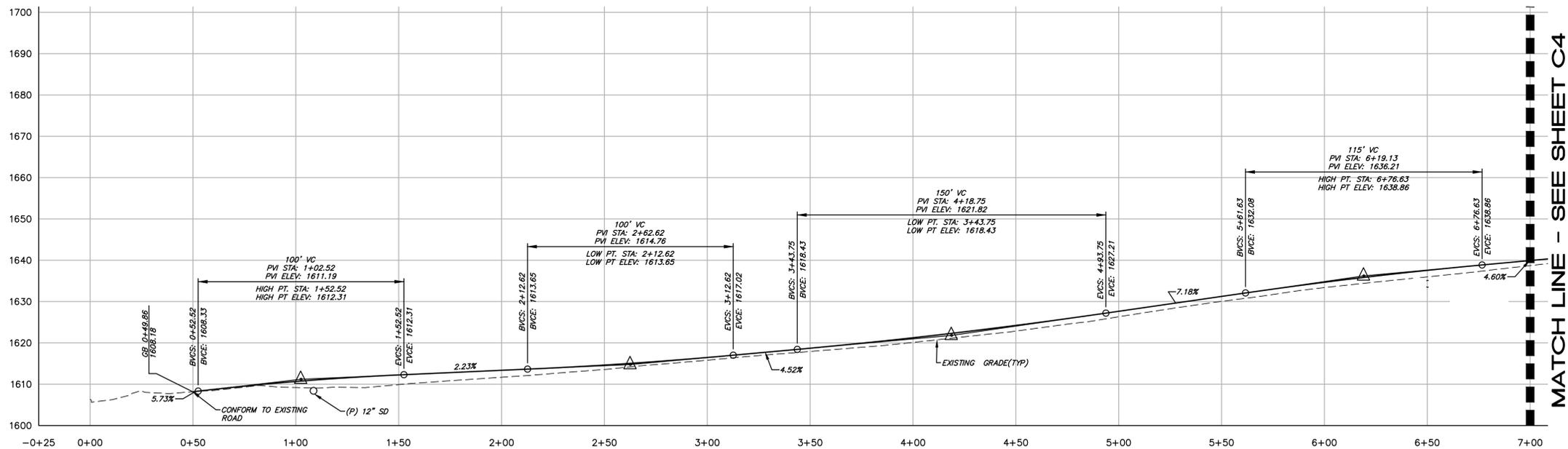


LEGEND

- NEW ASPHALT
3" AC OVER 6" CLASS II AB
- NEW GRAVEL
12" MIN. CLASS II AB
- NEW CHIPSEAL
DOUBLE COAT OVER 12" MIN. CLASS II AB
- TREE TO BE SAVED
- TREE TO BE REMOVED

DRAINAGE SCHEDULE

- DI-1 24"x24" OLDCASTLE PRECAST CONCRETE INLET
WITH SIDE OPENINGS ON NORTH AND SOUTH SIDE, OR
APPROVED EQUAL
 - DI-2 24"x24" OLDCASTLE PRECAST CONCRETE INLET
WITH SIDE OPENINGS ON EAST AND WEST SIDE, OR
APPROVED EQUAL
- ALL 18" STORM DRAIN PIPE TO BE HDPE DUAL WALL.



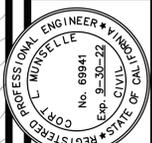
MAIN HOUSE DRIVEWAY PROFILE

HORIZ. SCALE: 1"=60'
VERT. SCALE: 1"=30'

GRADING APPROVED
Steve Snow
March 15, 2022
PERMIT SONOMA ENGINEERING

REVISION	DESCRIPTION	BY	DATE

MUNSELLE CIVIL ENGINEERING
 CIVIL ENGINEERING & SURVEYING
 PLANNING & CONST. MANAGEMENT
 519 CENTER STREET
 HEALDSBURG, CA 95448
 (707) 395-0968



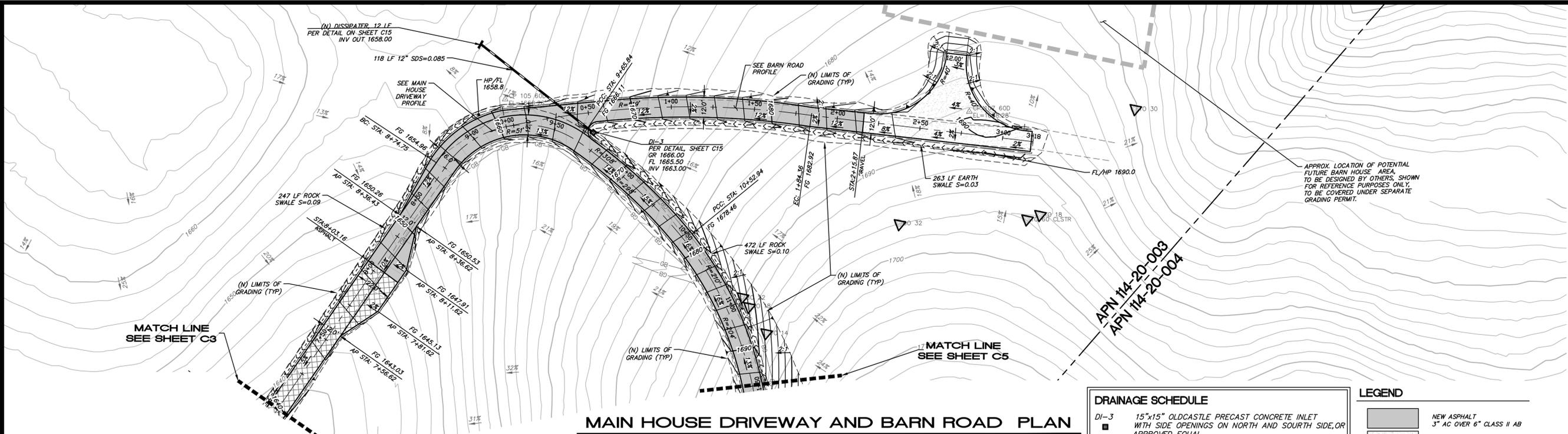
CORT L. MUNSELLE
 P.E. 69941
 DATE

MAZZINI RANCH
 PLAN AND PROFILES
 APN 114-020-001, 114-020-002, 114-020-003, 114-020-004, 114-020-007
 94021 HWY 128
 CLOVERDALE, CA

OCTOBER 8, 2021
 JOB NO. 188-20

SHEET NO. **C3**
 OF 16 SHEETS

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MAIN HOUSE DRIVEWAY AND BARN ROAD PLAN

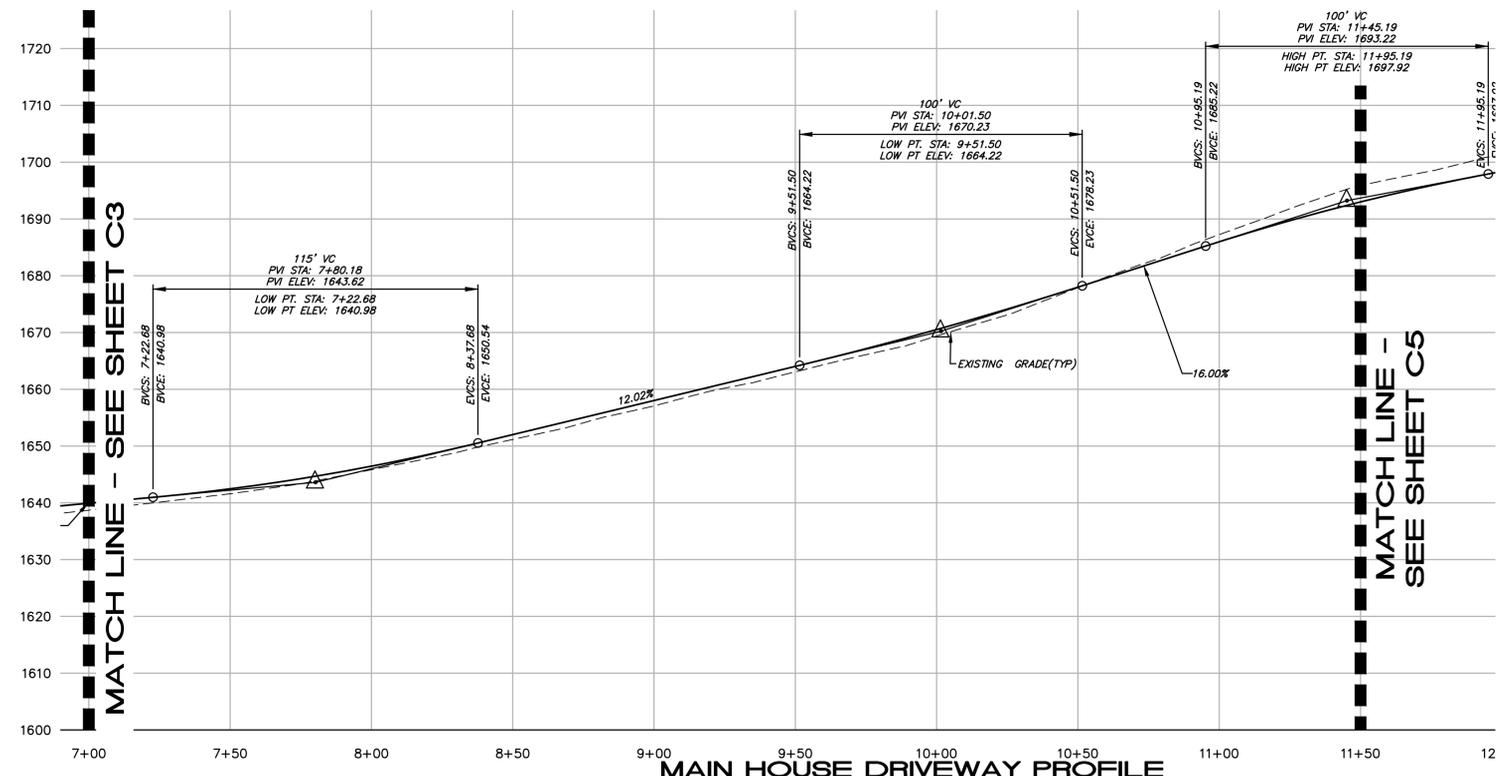


DRAINAGE SCHEDULE

DI-3 15"x15" OLDCASTLE PRECAST CONCRETE INLET WITH SIDE OPENINGS ON NORTH AND SOUTH SIDE, OR APPROVED EQUAL
 ALL 12" STORM DRAIN PIPE TO BE HDPE DUAL WALL.

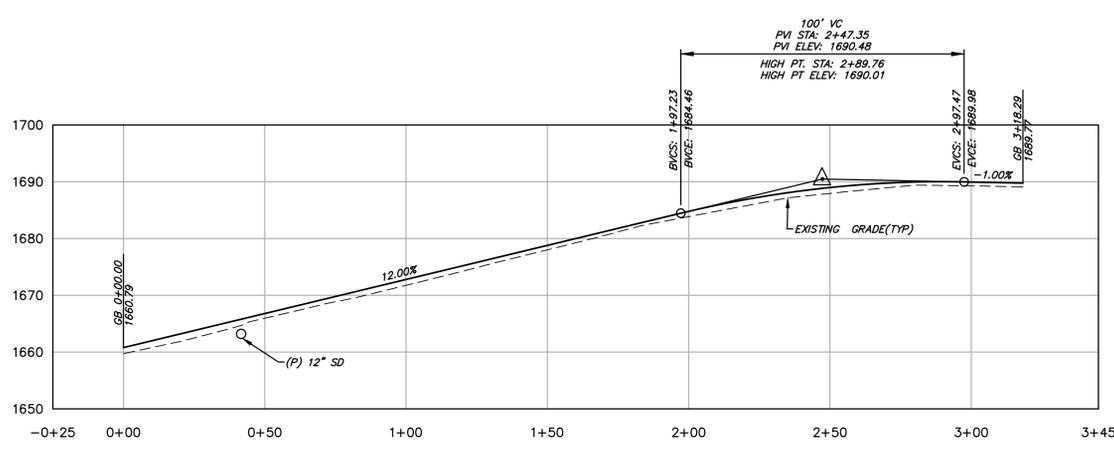
LEGEND

- [Pattern] NEW ASPHALT 3" AC OVER 6" CLASS II AB
- [Pattern] NEW GRAVEL 12" MIN. CLASS II AB
- [Pattern] NEW CHIPSEAL DOUBLE COAT OVER 12" MIN. CLASS II AB
- [Symbol] TREE TO BE SAVED
- [Symbol] TREE TO BE REMOVED



MAIN HOUSE DRIVEWAY PROFILE

HORIZ. SCALE: 1"=60'
 VERT. SCALE: 1"=30'



BARN ROAD PROFILE

HORIZ. SCALE: 1"=60'
 VERT. SCALE: 1"=30'

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 Steve Snow
 March 15, 2022
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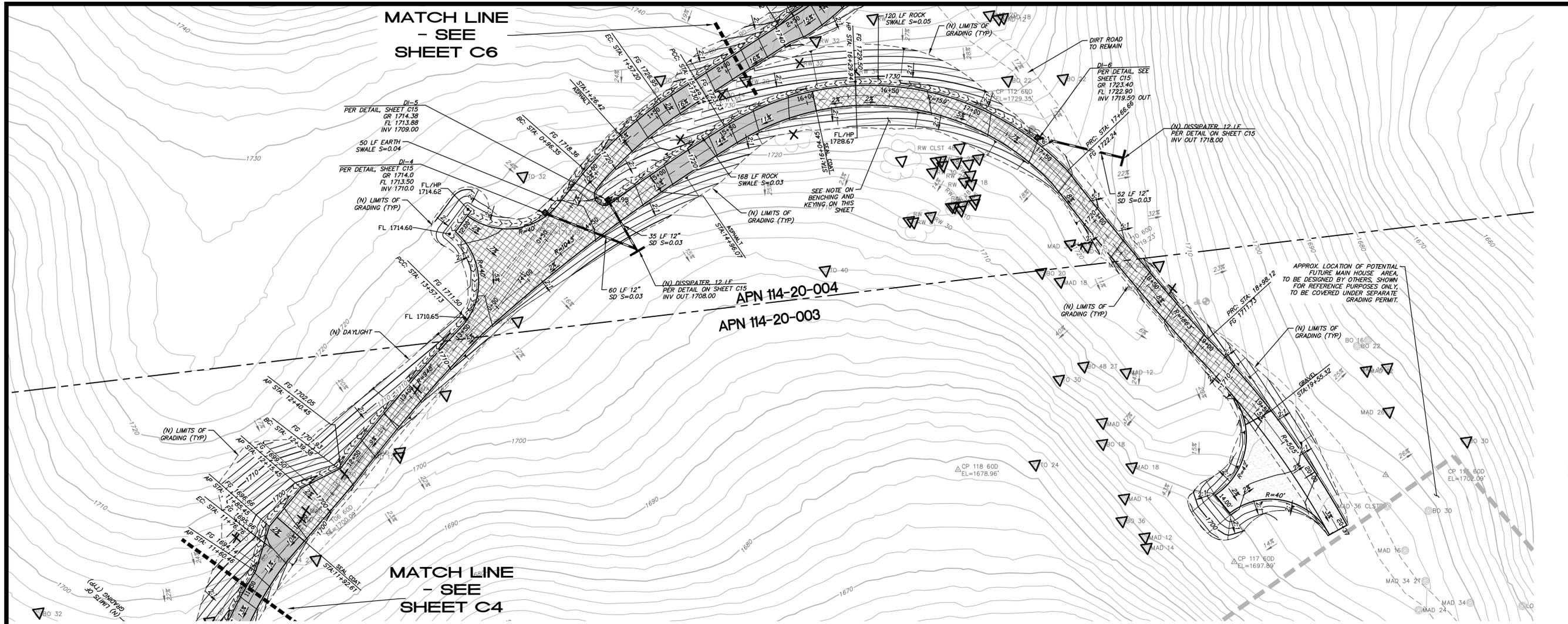
REVISION	DESCRIPTION	BY	DATE

MUNSELLE CIVIL ENGINEERING
 CIVIL ENGINEERING & SURVEYING
 PLANNING & CONST. MANAGEMENT
 519 CENTER STREET
 HEALDSBURG, CA 95448
 (707) 395-0968

MAZZINI RANCH
 PLAN AND PROFILES
 APN 114-020-001, 114-020-002, 114-020-003, 114-020-004, 114-020-007
 94021 HWY 128
 CLOVERDALE, CA

OCTOBER 8, 2021
 JOB NO. 188-20
 SHEET NO. C4 OF 16 SHEETS

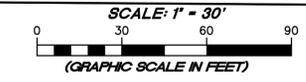
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LEGEND

	NEW ASPHALT 3" AC OVER 6" CLASS II AB
	NEW GRAVEL 12" MIN. CLASS II AB
	NEW CHIPSEAL DOUBLE COAT OVER 12" MIN. CLASS II AB
	TREE TO BE SAVED
	TREE TO BE REMOVED

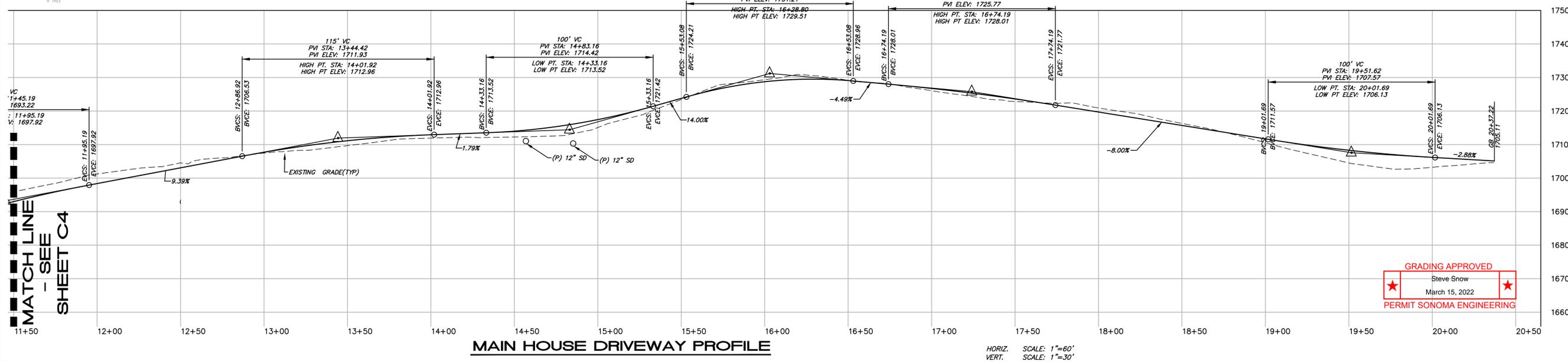
MAIN HOUSE DRIVEWAY PLAN



DRAINAGE SCHEDULE

DI-4	15"x15" OLDCASTLE PRECAST CONCRETE INLET WITH SIDE OPENINGS ON EAST AND WEST SIDE, OR APPROVED EQUAL
DI-5	15"x15" OLDCASTLE PRECAST CONCRETE INLET WITH SIDE OPENINGS ON EAST AND WEST SIDE, OR APPROVED EQUAL
DI-6	15"x15" OLDCASTLE PRECAST CONCRETE INLET WITH SIDE OPENINGS ON EAST AND WEST SIDE, OR APPROVED EQUAL

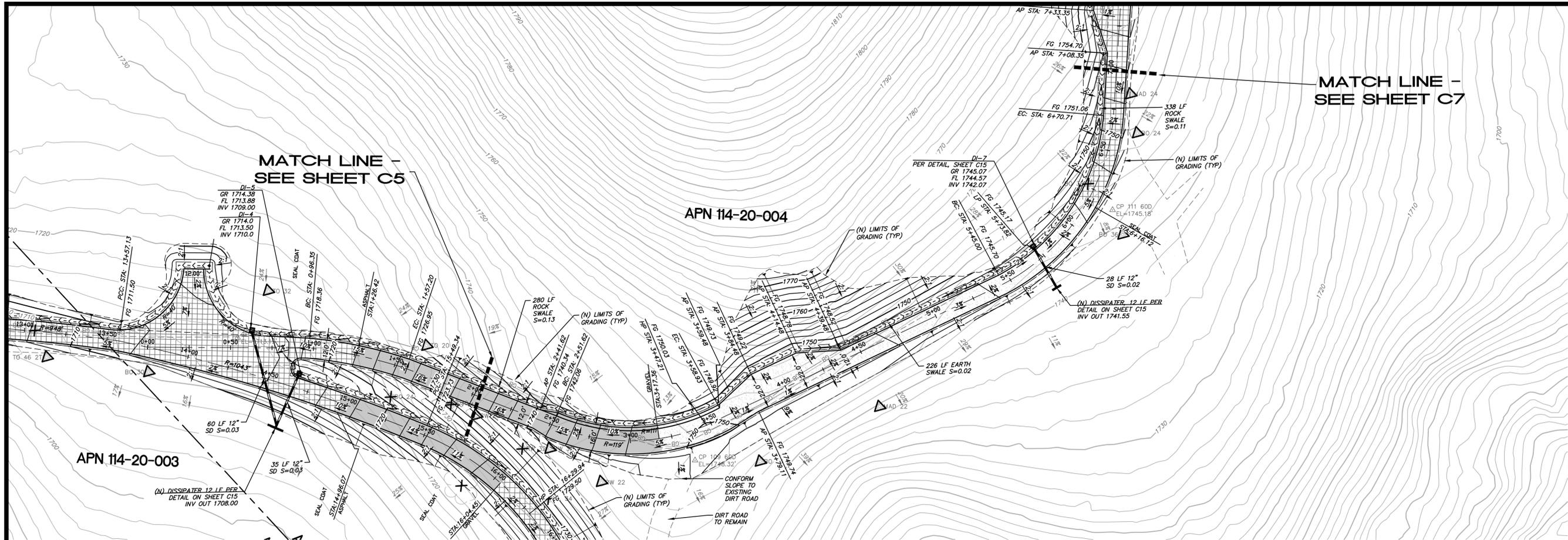
ALL 12" STORM DRAIN PIPE TO BE HDPE DUAL WALL.



GRADING APPROVED
 Steve Snow
 March 15, 2022
 PERMIT SONOMA ENGINEERING

REVISION	BY	DATE	<p>MUNSELLE CIVIL ENGINEERING</p> <p>◆ CIVIL ENGINEERING ◆ SURVEYING ◆ ◆ PLANNING ◆ CONST. MANAGEMENT ◆</p> <p>515 CENTER STREET HEALDSBURG, CA 95448</p> <p>MUNSELLE (707) 395-0868</p>
			<p>MAZZINI RANCH</p> <p>PLAN AND PROFILES</p> <p>APN 114-020-001, 114-020-002, 114-020-003, 114-020-004, 114-020-007</p> <p>34021 HWY 128 CLOVERDALE, CA</p>
<p>CORT L. MUNSELLE DATE</p> <p>PEE 69841</p>			
<p>OCTOBER 8, 2021</p>			<p>C5</p> <p>OF 16 SHEETS</p>
<p>JOB NO. 188-20</p> <p>SHEET NO.</p>			

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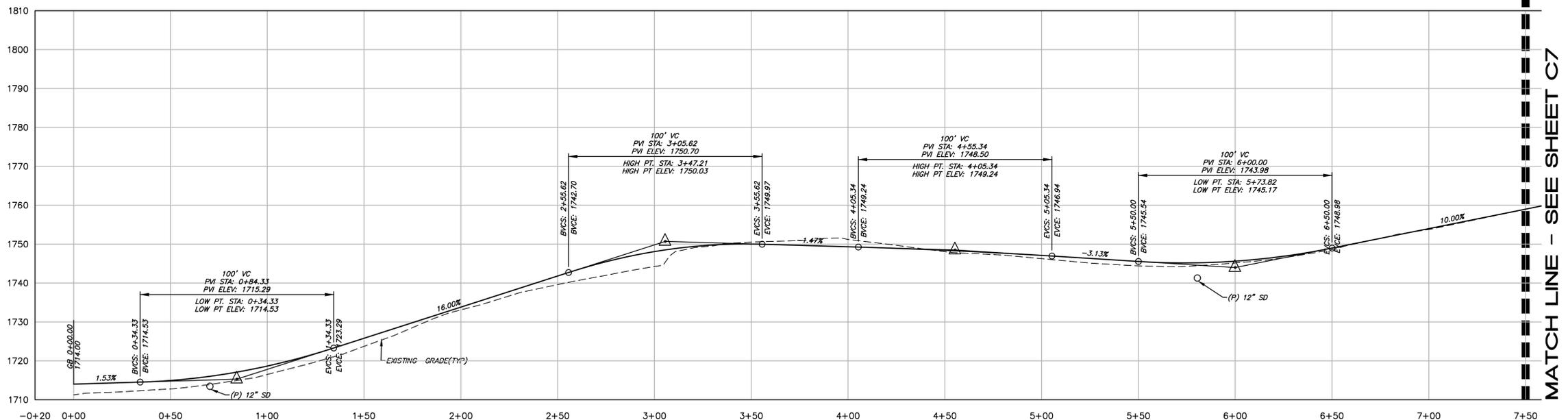
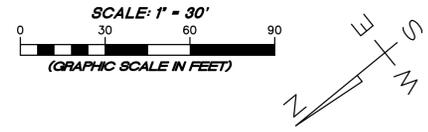
LEGEND

- NEW ASPHALT
3" AC OVER 6" CLASS II AB
- NEW GRAVEL
12" MIN. CLASS II AB
- NEW CHIPSEAL
DOUBLE COAT OVER 12" MIN. CLASS II AB
- TREE TO BE SAVED
- TREE TO BE REMOVED

DRAINAGE SCHEDULE

- DI-4 15"x15" OLDCASTLE PRECAST CONCRETE INLET WITH SIDE OPENINGS ON EAST AND WEST SIDE, OR APPROVED EQUAL
 - DI-5 15"x15" OLDCASTLE PRECAST CONCRETE INLET WITH SIDE OPENINGS ON EAST AND WEST SIDE, OR APPROVED EQUAL
 - DI-7 15"x15" OLDCASTLE PRECAST CONCRETE INLET WITH SIDE OPENINGS ON NORTH AND SOUTH SIDE, OR APPROVED EQUAL
- ALL 12" STORM DRAIN PIPE TO BE HDPE DUAL WALL.

POOL HOUSE DRIVEWAY PLAN



POOL HOUSE DRIVEWAY PROFILE

HORIZ. SCALE: 1"=60'
VERT. SCALE: 1"=30'

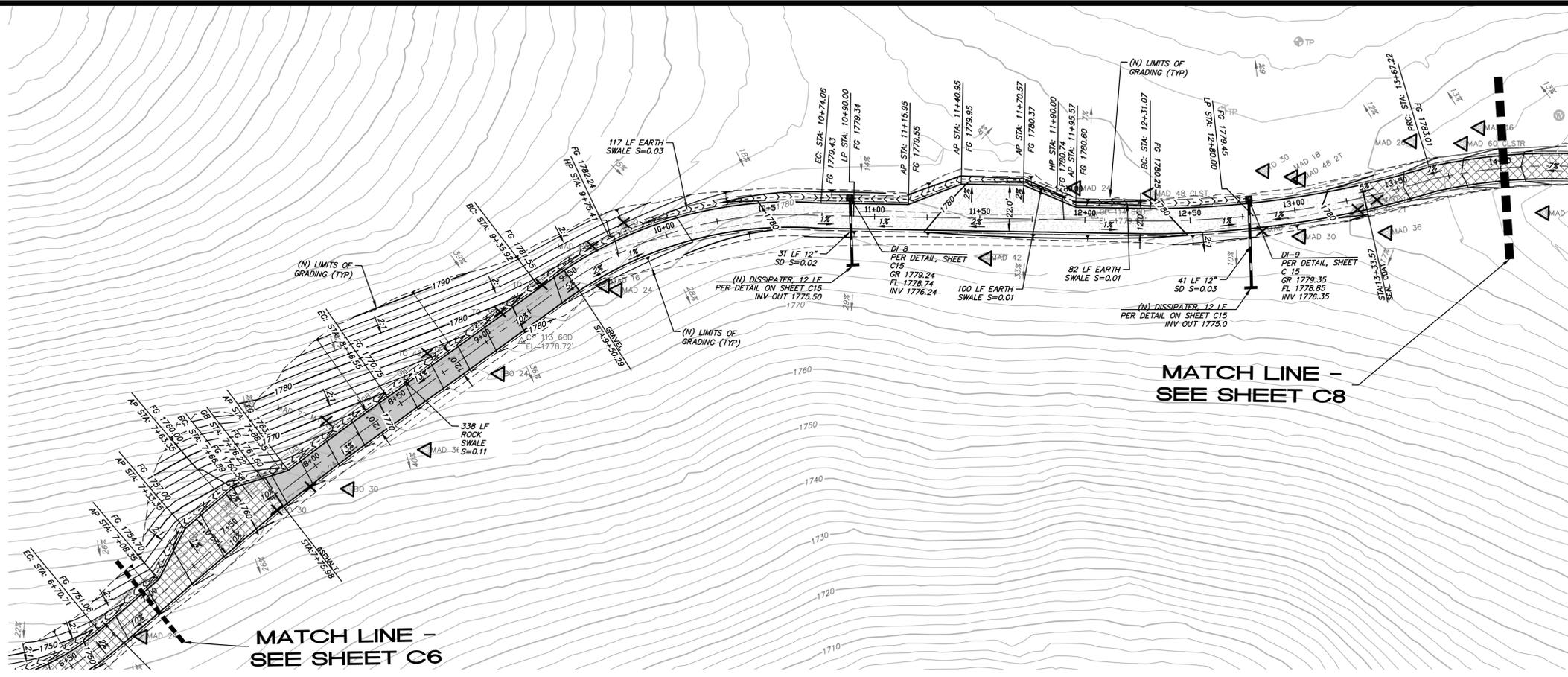
GRADING APPROVED
Steve Snow
March 15, 2022
PERMIT SONOMA ENGINEERING

REVISION	DESCRIPTION	BY	DATE

MUNSELLE CIVIL ENGINEERING
 CIVIL ENGINEERING & SURVEYING &
 PLANNING & CONST. MANAGEMENT &
 515 CENTER STREET
 HEALDSBURG, CA 95448
 (707) 393-0868

MAZZINI RANCH
 PLAN AND PROFILES
 APN 114-020-001, 114-020-002, 114-020-003, 114-020-004, 114-020-007
 34021 HWY 128
 CLOVERDALE, CA

OCTOBER 8, 2021
 JOB NO. 188-20
 SHEET NO. C6 OF 16 SHEETS



LEGEND

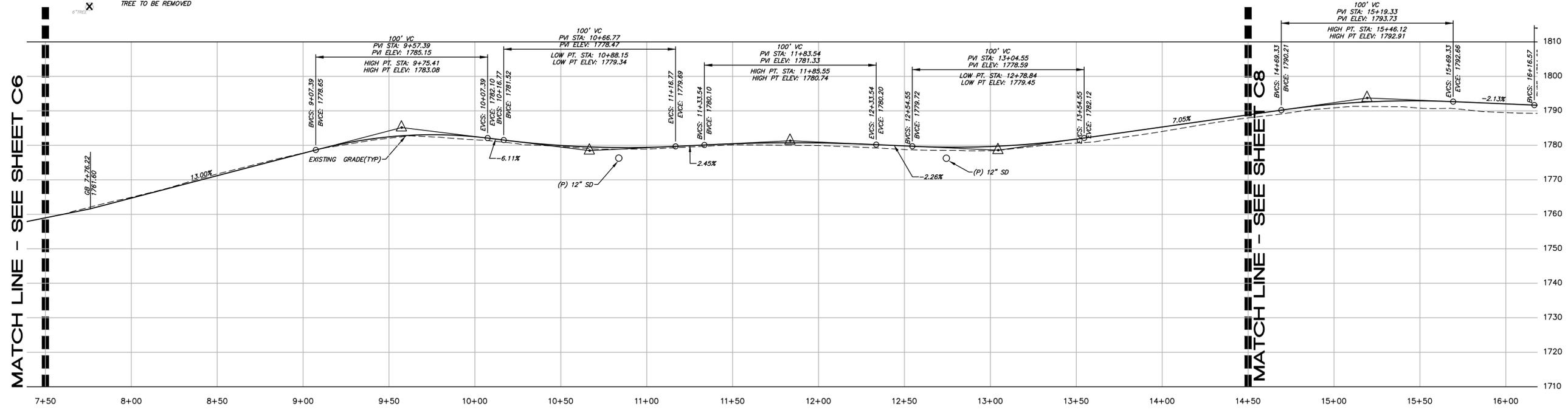
	NEW ASPHALT 3" AC OVER 6" CLASS II AB
	NEW GRAVEL 12" MIN. CLASS II AB
	NEW CHIPSEAL DOUBLE COAT OVER 12" MIN. CLASS II AB
	TREE TO BE SAVED
	TREE TO BE REMOVED

DRAINAGE SCHEDULE

DI-8	15"x15" OLDCASTLE PRECAST CONCRETE INLET WITH SIDE OPENINGS ON NORTH AND SOUTH SIDE, OR APPROVED EQUAL
DI-9	15"x15" OLDCASTLE PRECAST CONCRETE INLET WITH SIDE OPENINGS ON NORTH AND SOUTH SIDE, OR APPROVED EQUAL

ALL 12" STORM DRAIN PIPE TO BE HDPE DUAL WALL.

POOL HOUSE DRIVEWAY PLAN



POOL HOUSE DRIVEWAY PROFILE

HORIZ. SCALE: 1"=80'
VERT. SCALE: 1"=40'

GRADING APPROVED
Steve Snow
March 15, 2022
PERMIT SONOMA ENGINEERING

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BY	
DESCRIPTION	
REVISION	

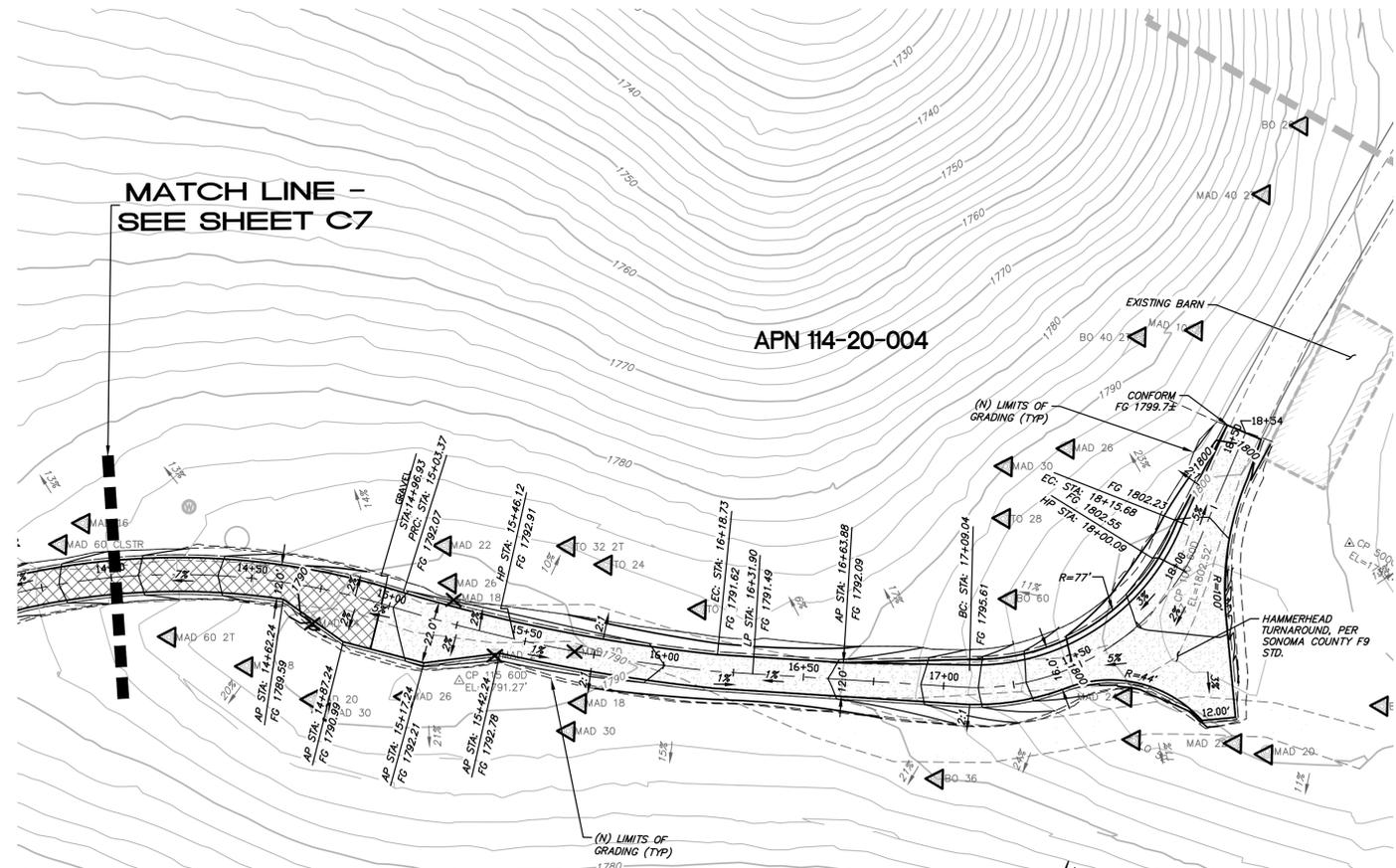
MUNSELLE CIVIL ENGINEERING
 CIVIL ENGINEERING & SURVEYING
 PLANNING & CONST. MANAGEMENT
 519 CENTER STREET
 HEALDSBURG, CA 95448
 (707) 395-0968

CORT L. MUNSELLE
 REGISTERED PROFESSIONAL ENGINEER - VIADUCT
 No. 69941
 Exp. 9-30-22
 STATE OF CALIFORNIA

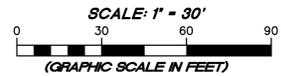
DATE: OCTOBER 8, 2021
 JOB NO.: 188-20
 SHEET NO.: C7 OF 16 SHEETS

MAZZINI RANCH
 PLAN AND PROFILES
 APN 114-020-001, 114-020-002, 114-020-003, 114-020-004, 114-020-007
 94021 HWY 128
 CLOVERDALE, CA

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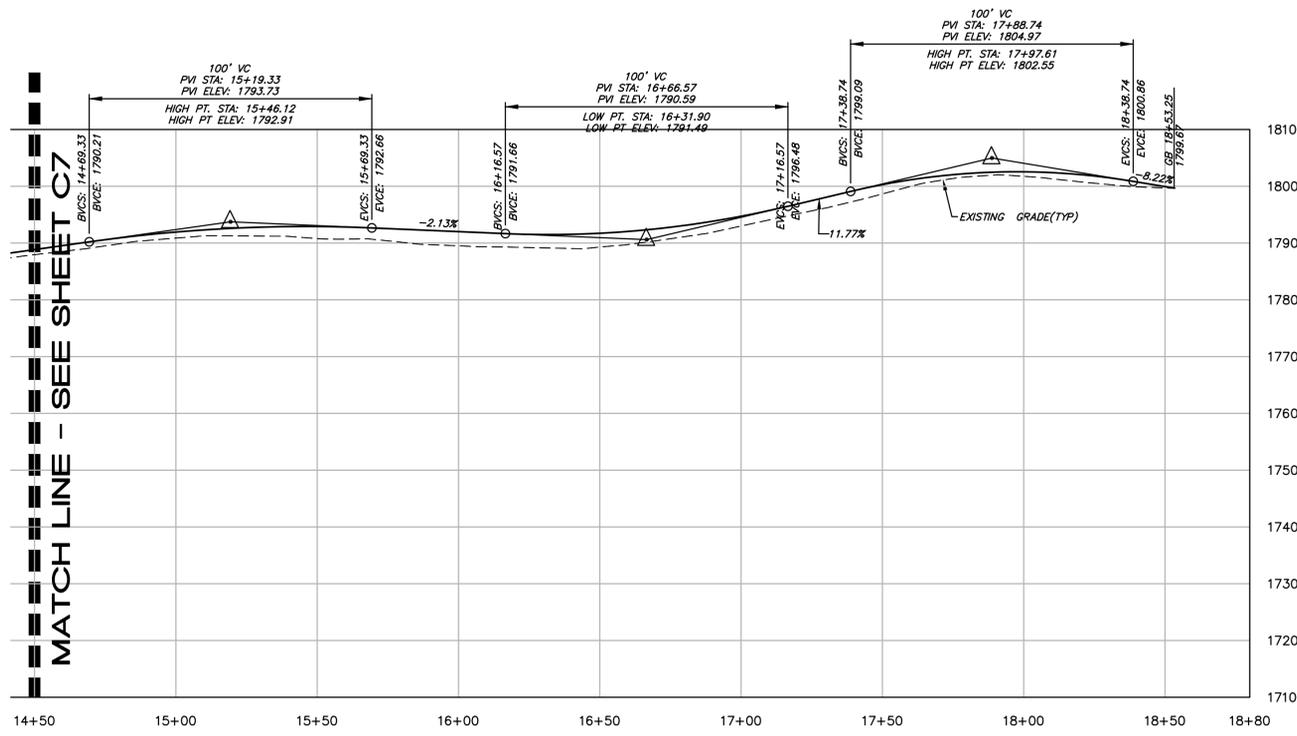


POOL HOUSE DRIVEWAY PLAN



LEGEND

	NEW ASPHALT 3" AC OVER 6" CLASS II AB
	NEW GRAVEL 12" MIN. CLASS II AB
	NEW CHIPSEAL DOUBLE COAT OVER 12" MIN. CLASS II AB
	TREE TO BE SAVED
	TREE TO BE REMOVED



POOL HOUSE DRIVEWAY PROFILE

HORIZ. SCALE: 1"=30'
VERT. SCALE: 1"=15'

GRADING APPROVED
Steve Snow
March 15, 2022
PERMIT SONOMA ENGINEERING

DATE		BY		REVISION		DESCRIPTION	

MUNSELLE CIVIL ENGINEERING
 CIVIL ENGINEERING & SURVEYING
 PLANNING & CONST. MANAGEMENT
 519 CENTER STREET
 HEALDSBURG, CA 95448
 (707) 395-0968

Cort L. Munselle
 CORT L. MUNSELLE
 P.E. 69941

DATE

MAZZINI RANCH
 PLAN AND PROFILES
 APN 114-020-001, 114-020-002, 114-020-003, 114-020-004, 114-020-007
 94021 HWY 128
 CLOVERDALE, CA

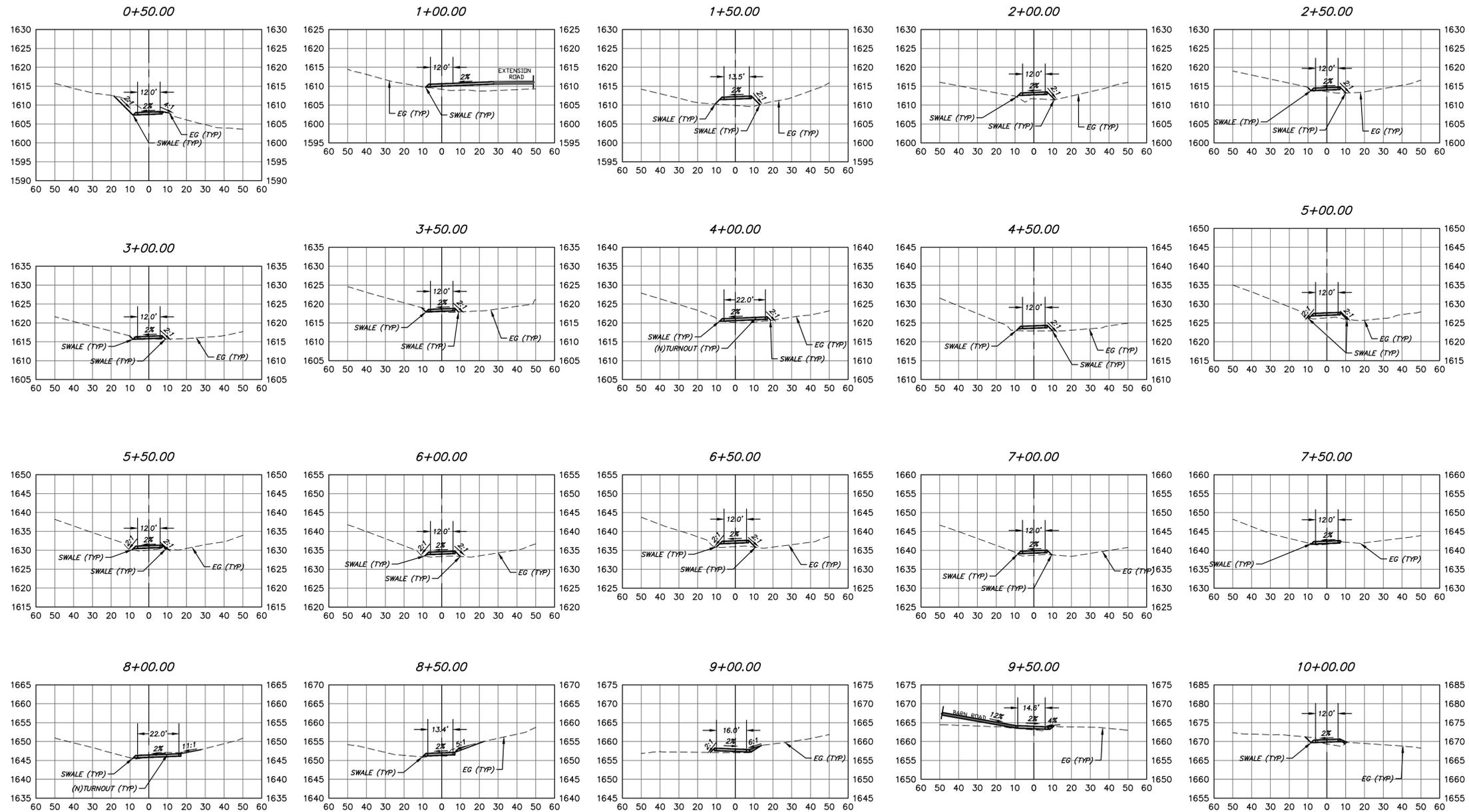
OCTOBER 8, 2021

JOB NO.
188-20

SHEET NO.
8

OF 16 SHEETS

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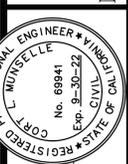
MAIN HOUSE DRIVEWAY SECTIONS

HORIZ. SCALE: 1"=30'
 VERT. SCALE: 1"=15'

GRADING APPROVED
 Steve Snow
 March 15, 2022
 PERMIT SONOMA ENGINEERING

REVISION	DESCRIPTION	BY	DATE

MUNSELLE CIVIL ENGINEERING
 CIVIL ENGINEERING & SURVEYING
 PLANNING & CONST. MANAGEMENT
 519 CENTER STREET
 HEALDSBURG, CA 95448
 (707) 395-0968

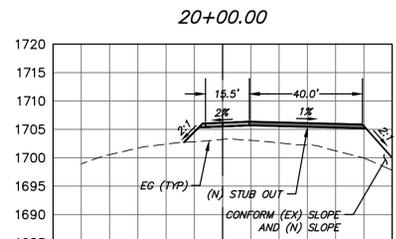
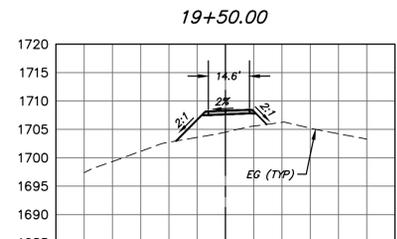
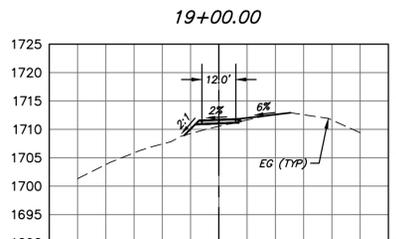
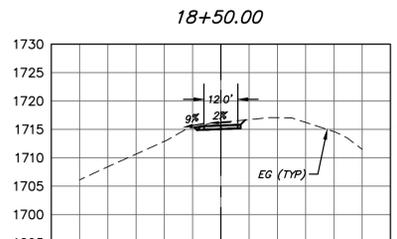
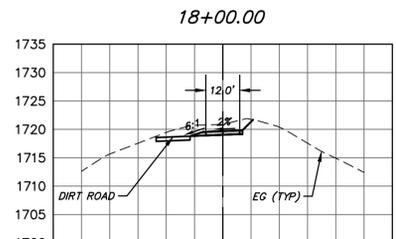
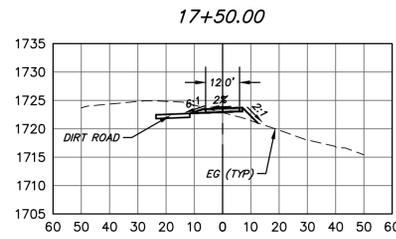
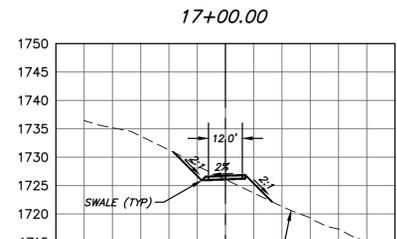
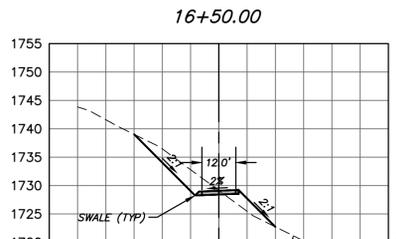
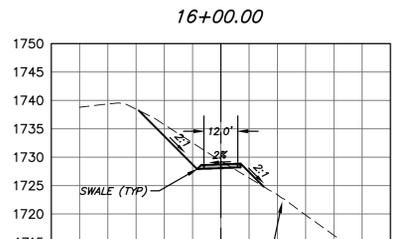
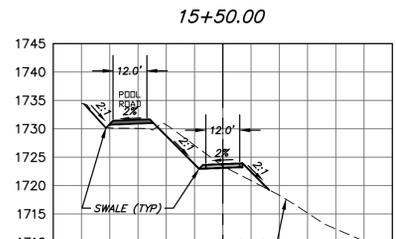
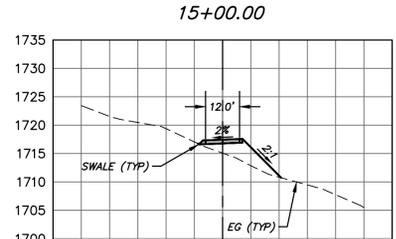
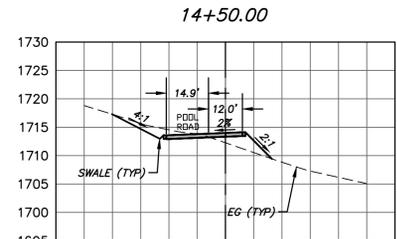
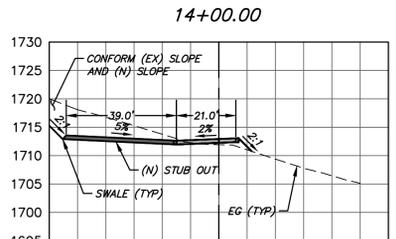
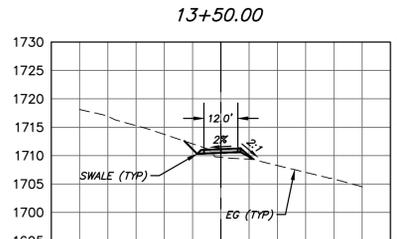
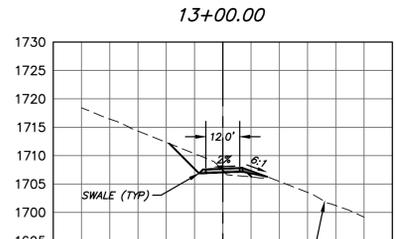
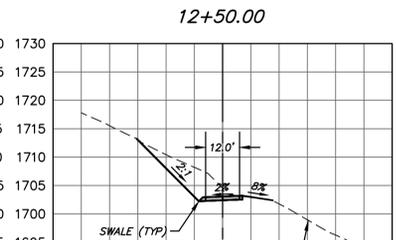
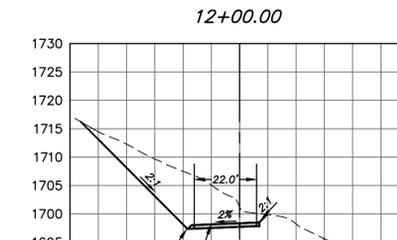
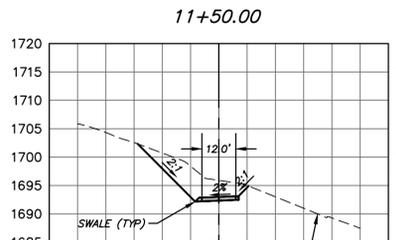
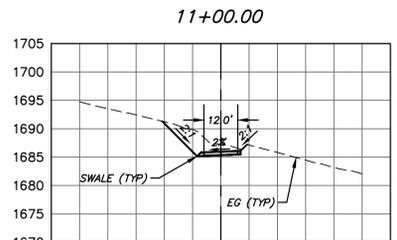
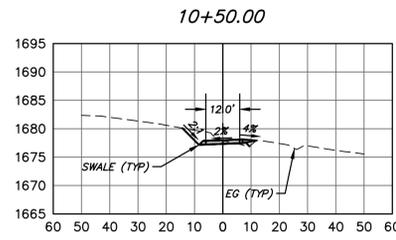


Cort L. Munselle
 CORT L. MUNSELLE
 FCE 69941

MAZZINI RANCH
 SECTIONS
 APN 114-020-001, 114-020-002, 114-020-003, 114-020-004, 114-020-007
 94021 HWY 128
 CLOVERDALE, CA

OCTOBER 8, 2021
 JOB NO.
 188-20
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 OF 16 SHEETS

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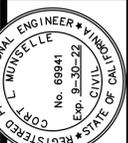
MAIN HOUSE DRIVEWAY SECTIONS

HORIZ. SCALE: 1"=30'
VERT. SCALE: 1"=15'

GRADING APPROVED
Steve Snow
March 15, 2022
PERMIT SONOMA ENGINEERING

DATE	DESCRIPTION	BY

MUNSELLE CIVIL ENGINEERING
 CIVIL ENGINEERING & SURVEYING
 PLANNING & CONST. MANAGEMENT
 519 CENTER STREET
 HEALDSBURG, CA 95448
 (707) 395-0968

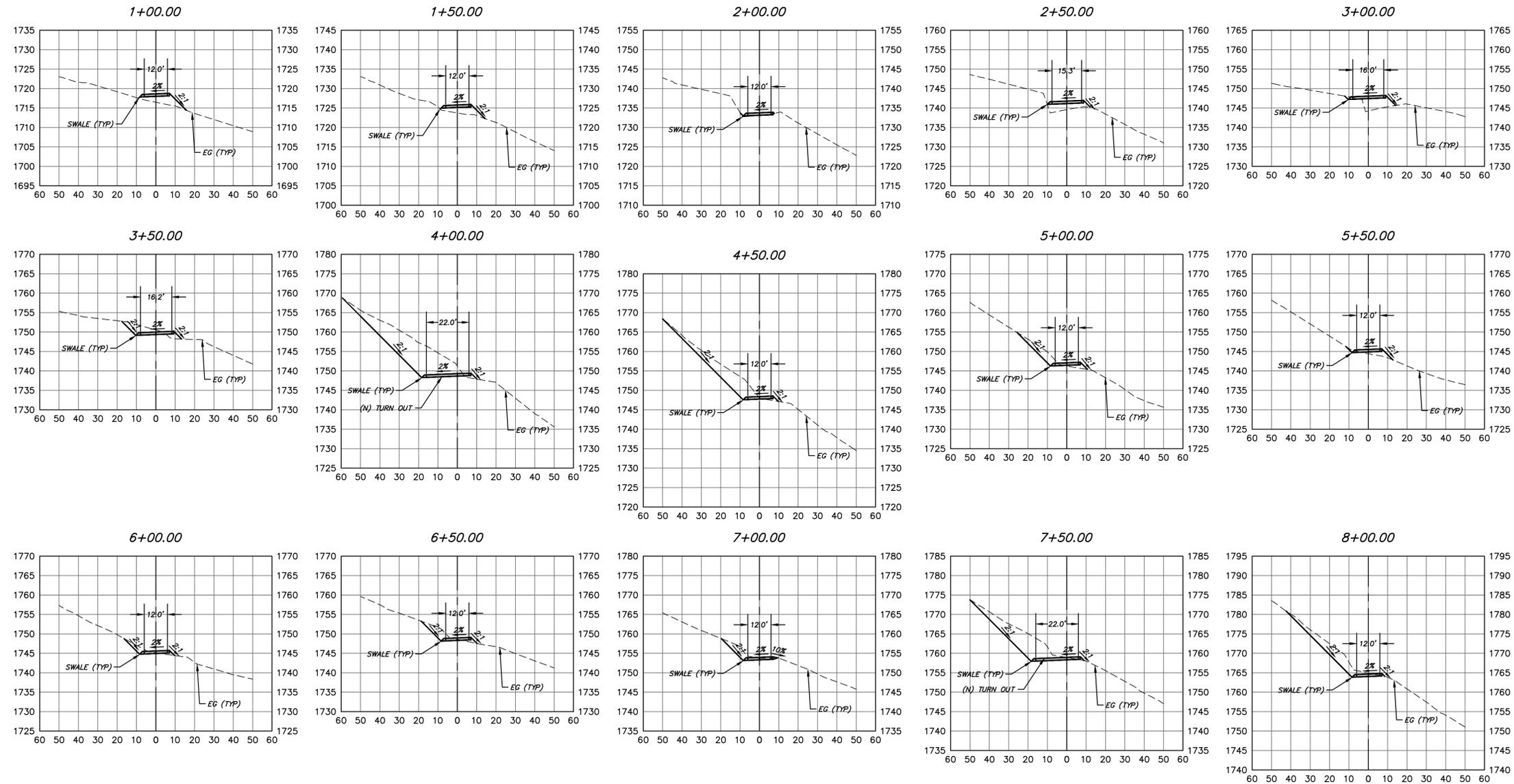


Cort L. Munselle
 REGISTERED PROFESSIONAL ENGINEER - CIVIL
 No. 69941
 Exp. 9-30-22
 STATE OF CALIFORNIA

MAZZINI RANCH SECTIONS
 APN 114-020-001, 114-020-002, 114-020-003, 114-020-004, 114-020-007
 94021 HWY 128
 CLOVERDALE, CA

OCTOBER 8, 2021
 JOB NO. 188-20
 SHEET NO. C10
 OF 16 SHEETS

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POOL HOUSE DRIVEWAY SECTIONS

HORIZ. SCALE: 1"=30'
VERT. SCALE: 1"=15'

GRADING APPROVED
Steve Snow
March 15, 2022
PERMIT SONOMA ENGINEERING

REVISION	DESCRIPTION	BY	DATE

MUNSELLE CIVIL ENGINEERING
 CIVIL ENGINEERING & SURVEYING
 PLANNING & CONST. MANAGEMENT
 519 CENTER STREET
 HEALDSBURG, CA 95448
 (707) 395-0868



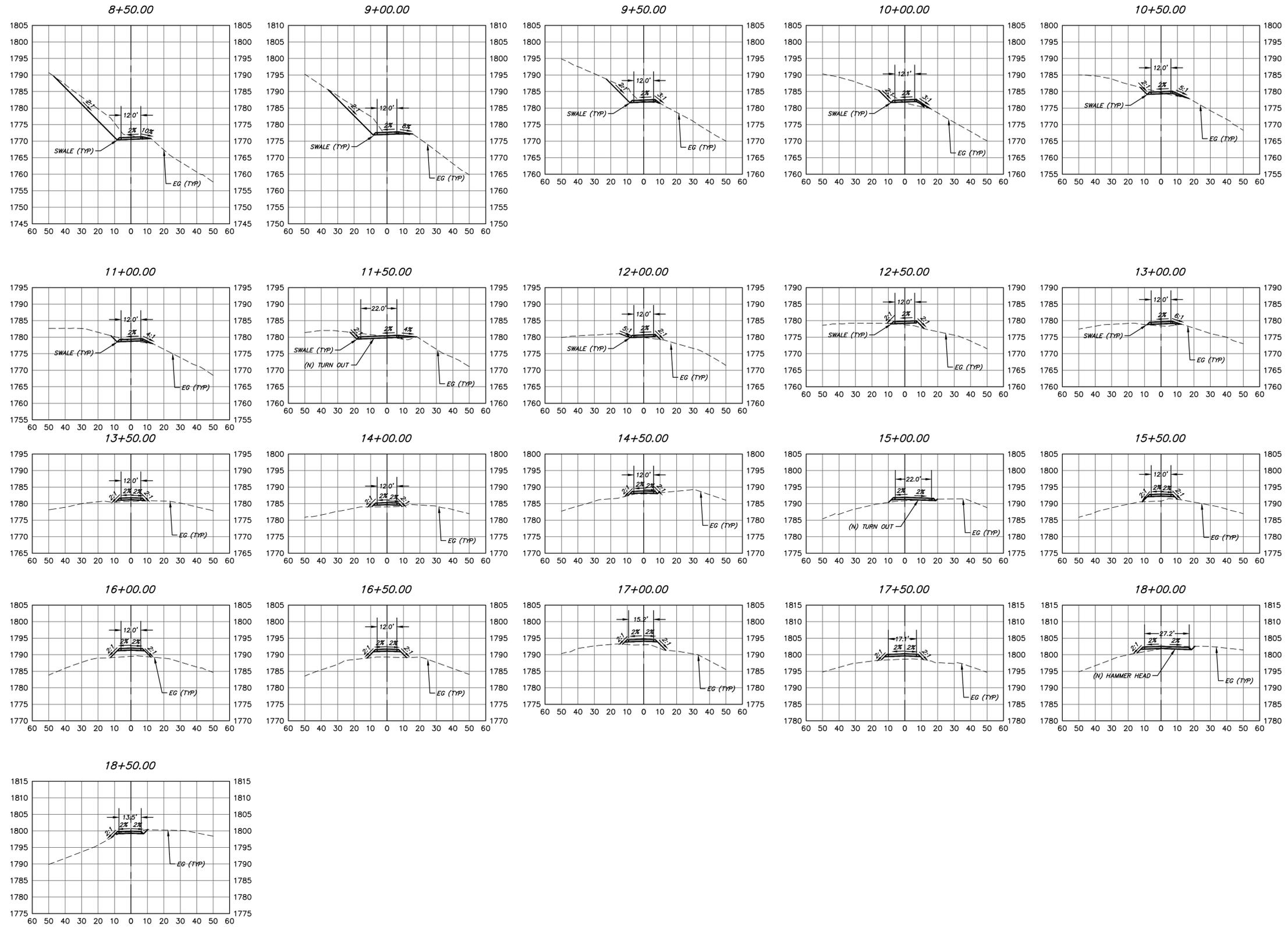
Cort L. Munselle
 CORT L. MUNSELLE
 FCE 69941
 DATE

MAZZINI RANCH
 SECTIONS
 APN 114-020-001, 114-020-002, 114-020-003, 114-020-004, 114-020-007
 94021 HWY 128
 CLOVERDALE, CA

OCTOBER 8, 2021
 JOB NO.
 188-20
 SHEET NO.

C11
 OF 16 SHEETS

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POOL HOUSE DRIVEWAY SECTIONS

HORIZ. SCALE: 1"=30'
VERT. SCALE: 1"=15'

GRADING APPROVED
Steve Snow
March 15, 2022
PERMIT SONOMA ENGINEERING

REVISION	DESCRIPTION	BY	DATE

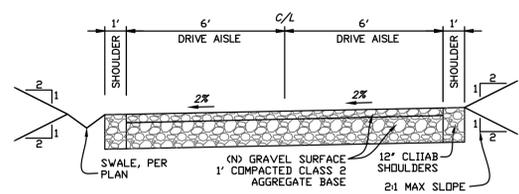
MUNSELLE CIVIL ENGINEERING
 CIVIL ENGINEERING & SURVEYING
 PLANNING & CONST. MANAGEMENT
 519 CENTER STREET
 HEALDSBURG, CA 95448
 (707) 395-0968



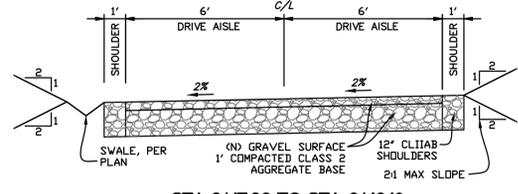
Cort L. Munselle
 CORT L. MUNSELLE
 FCE 69941

MAZZINI RANCH
 SECTIONS
 APN 114-020-001, 114-020-002, 114-020-003, 114-020-004, 114-020-007
 94021 HWY 128
 CLOVERDALE, CA

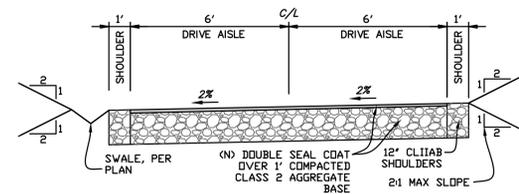
OCTOBER 8, 2021
 JOB NO. 188-20
 SHEET NO. **C12**
 OF 16 SHEETS



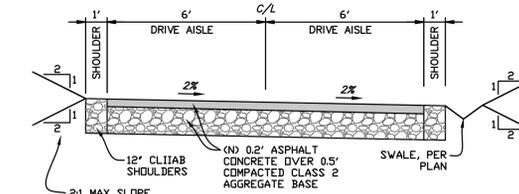
STA 0+49.86 TO STA 3+02.15
STA 19+55.32 TO STA 20+37.00
TYPICAL DRIVEWAY SECTION 1
NOT TO SCALE



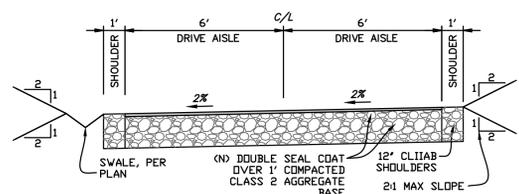
STA 3+17.36 TO STA 6+16.12
STA 9+50.29 TO STA 13+33.57
STA 14+96.93 TO STA 18+54.00
POOL HOUSE TYPICAL DRIVEWAY SECTION 1
NOT TO SCALE



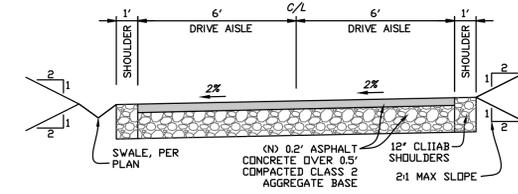
STA 0+00.00 TO STA 1+26.42
STA 6+16.12 TO STA 7+75.98
STA 6+16.42 TO STA 7+75.98
STA 13+33.57 TO STA 14+96.93
POOL HOUSE TYPICAL DRIVEWAY SECTION 2
NOT TO SCALE



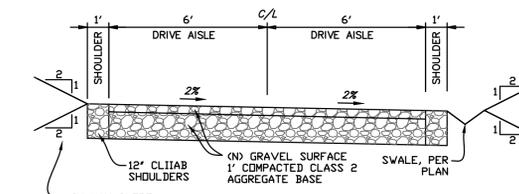
STA 0+00.00 TO STA 2+15.87
BARN ROAD TYPICAL DRIVEWAY SECTION 1
NOT TO SCALE



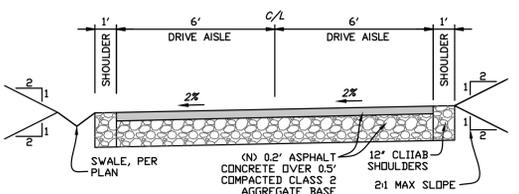
STA 3+02.15 TO STA 8+03.16
STA 11+92.16 TO STA 14+96.07
STA 16+04.45 TO STA 19+55.32
TYPICAL DRIVEWAY SECTION 2
NOT TO SCALE



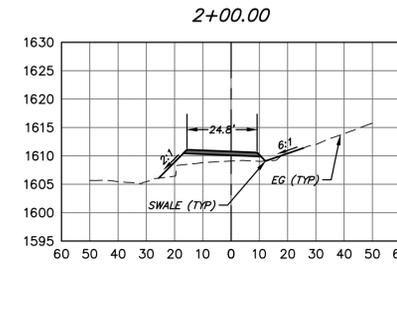
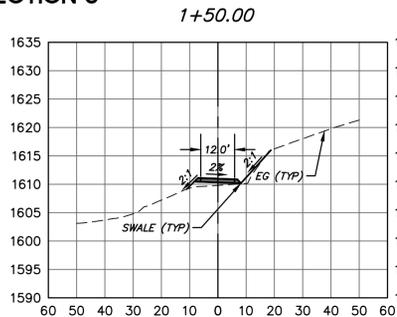
STA 1+26.42 TO STA 3+17.36
STA 7+75.98 TO STA 9+50.29
POOL HOUSE TYPICAL DRIVEWAY SECTION 3
NOT TO SCALE



STA 2+15.87 TO STA 3+18.00
BARN ROAD TYPICAL DRIVEWAY SECTION 2
NOT TO SCALE

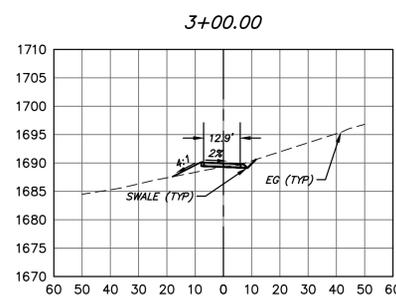
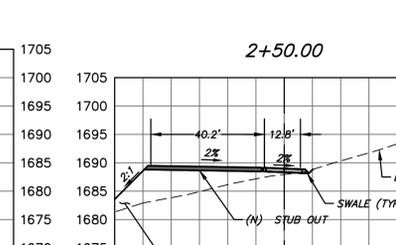
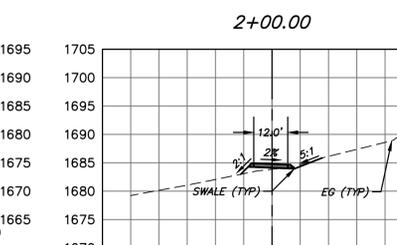
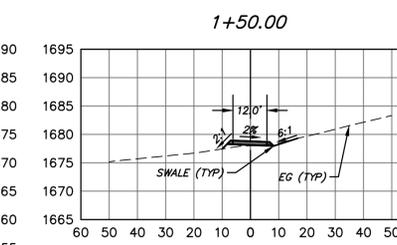
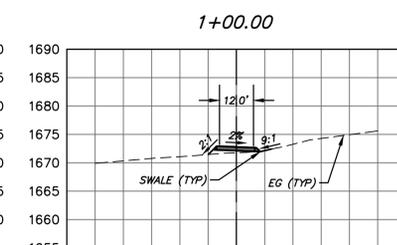
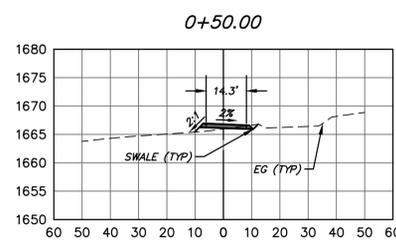


STA 8+03.16 TO STA 11+92.16
STA 14+96.07 TO STA 16+04.45
TYPICAL DRIVEWAY SECTION 3
NOT TO SCALE



EXTENSION ROAD SECTIONS

HORIZ. SCALE: 1"=30'
VERT. SCALE: 1"=15'



BARN ROAD SECTIONS

HORIZ. SCALE: 1"=30'
VERT. SCALE: 1"=15'

P:\MCE_JOBS\2020\188-20 MAZZINI RANCH\DWGS\188-20_IP.DWG 11/1/2021 4:18 PM AM

DATE	BY	REVISION	DESCRIPTION

MUNSELLE CIVIL ENGINEERING
 ♦ CIVIL ENGINEERING ♦ SURVEYING ♦
 ♦ PLANNING ♦ CONST. MANAGEMENT ♦
 519 CENTER STREET
 HEALDSBURG, CA 95448
 MUNSELLE
 (707) 395-0968

CURT L. MUNSELLE
 No. 69941
 Exp. 9-30-22
 REGISTERED PROFESSIONAL ENGINEER - CIVIL
 STATE OF CALIFORNIA

DATE: _____
 SIGNATURE: _____

MAZZINI RANCH SECTIONS
 APN 14-020-001, 14-020-002, 14-020-003, 14-020-004, 14-020-007
 94021 HWY 128
 CLOVERDALE, CA

OCTOBER 8, 2021
 JOB NO. 188-20
 SHEET NO. C13 OF 16 SHEETS

GRADING APPROVED
 Steve Snow
 March 15, 2022
 PERMIT SONOMA ENGINEERING

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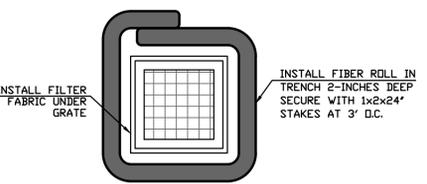
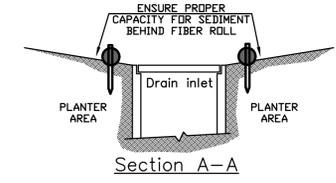


LEGEND

- STRAW WATTLE PER DETAIL ON THIS SHEET
- DI SEDIMENT BARRIER PER DETAIL ON THIS SHEET
- STRAW WATTLE CHECK DAM PER DETAIL ON THIS SHEET

EROSION CONTROL NOTES

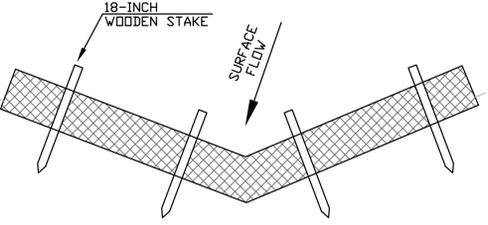
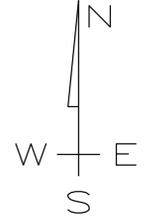
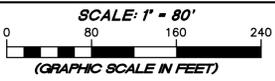
1. ALL DISTURBED SOIL SHALL BE SEEDED PER EROSION CONTROL NOTES SHEET C1. SLOPES STEEPER THAN 2.5H:1V SHALL BE HYDROSEEDING PER NOTES ON C1 OR PER LEGEND, THIS SHEET.
2. ALL INLETS SHALL HAVE INLET PROTECTION PER DETAIL ON THIS SHEET.
3. INSTALL STRAW WATTLES PER DETAIL ON THIS SHEET.



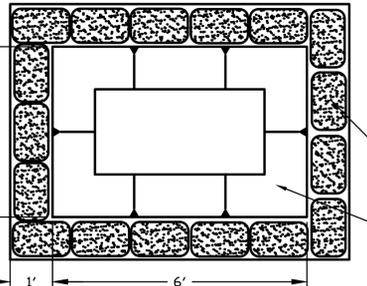
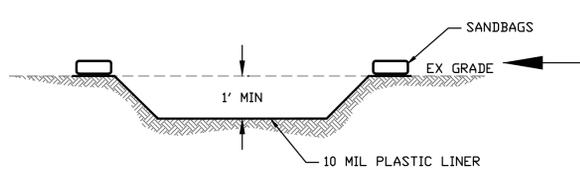
- NOTES:
1. INSPECT INLET PROTECTION DEVICE BEFORE AND AFTER RAIN EVENTS, AND WEEKLY THROUGH THE RAINY SEASON. DURING EXTENDED RAIN EVENTS, INSPECT AT LEAST ONCE EVERY 24 HOURS.
 2. REMOVE AND PROPERLY DISPOSE OF ACCUMULATED SILT AND DEBRIS TO ALLOW FOR PROPER FUNCTION OF DEVICE

DROP INLET SEDIMENT BARRIER

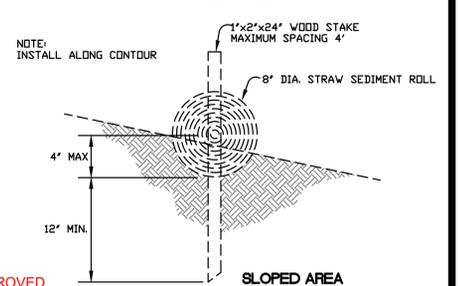
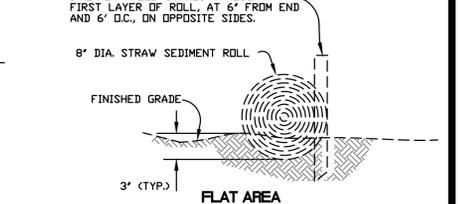
EROSION CONTROL PLAN



STRAW WATTLE CHECK DAM DETAIL
NO SCALE



CONCRETE WASHOUT DETAIL
NOT TO SCALE



STRAW WATTLE DETAIL
NOT TO SCALE

GRADING APPROVED
Steve Snow
March 15, 2022
PERMIT SONOMA ENGINEERING

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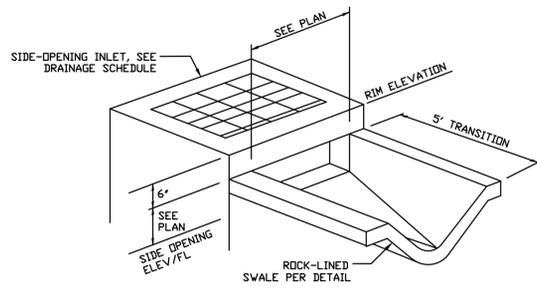
COURT L. MUNSELLE
 No. 69941
 Exp. 9-30-22
 REGISTERED PROFESSIONAL ENGINEER - CIVIL
 STATE OF CALIFORNIA

COURT L. MUNSELLE
 DATE

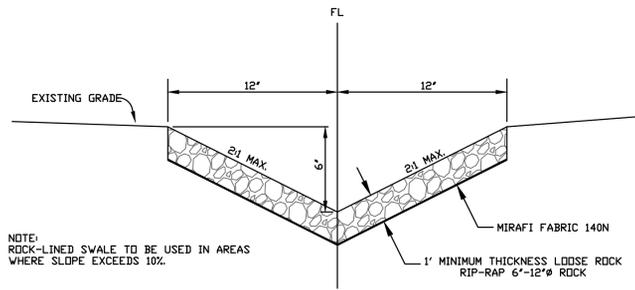
MAZZINI RANCH
EROSION CONTROL PLAN
 APN 114-020-001, 114-020-002, 114-020-003, 114-020-004, 114-020-007
 94021 HWY 128
 CLOVERDALE, CA

OCTOBER 8, 2021
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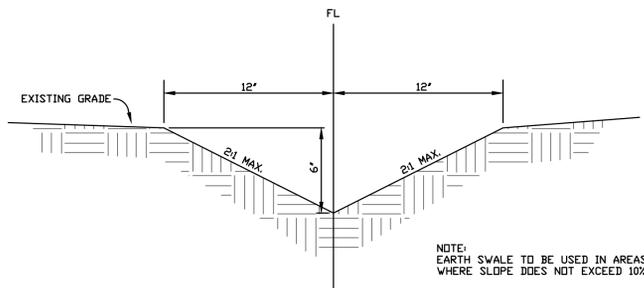
C14
 OF 16 SHEETS



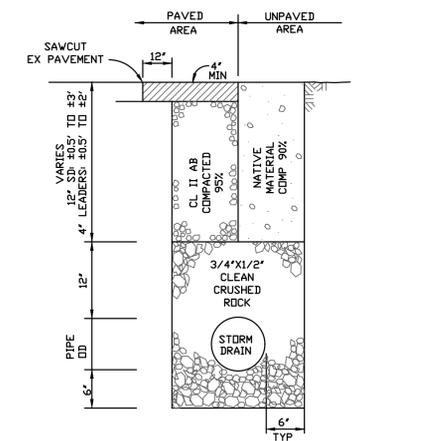
SIDE OPENING DRAIN INLET
NO SCALE



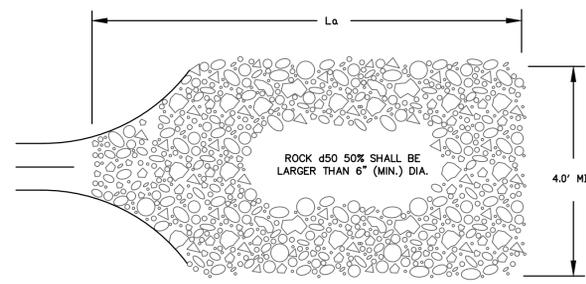
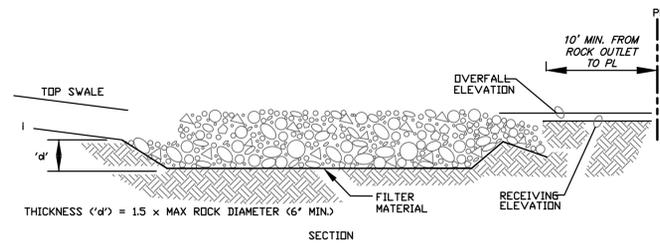
ROCK LINED SWALE
NO SCALE



EARTH SWALE
NO SCALE

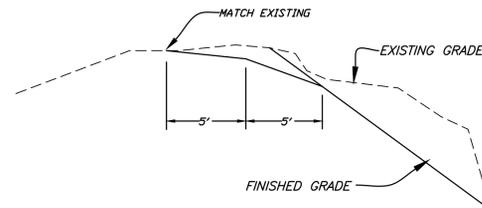


STORM DRAIN TRENCH
NOT TO SCALE

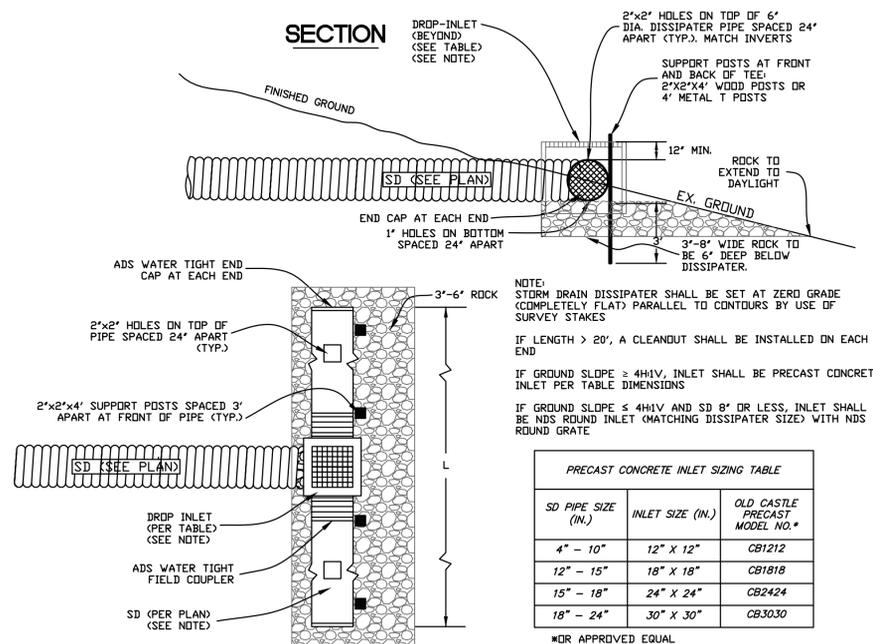


- NOTES:
1. 'La' = LENGTH OF APRON. DISTANCE 'La' SHALL BE OF SUFFICIENT LENGTH TO DISSIPATE ENERGY.
 2. APRON SHALL BE SET AT A ZERO GRADE AND ALIGNED STRAIGHT.
 3. FILTER MATERIAL SHALL BE FILTER FABRIC OR 6" THICK (MIN.) GRADED GRAVEL LAYER.

ROCK OUTLET FOR SWALE
NO SCALE



SLOPE ROUNDING DETAIL
NO SCALE

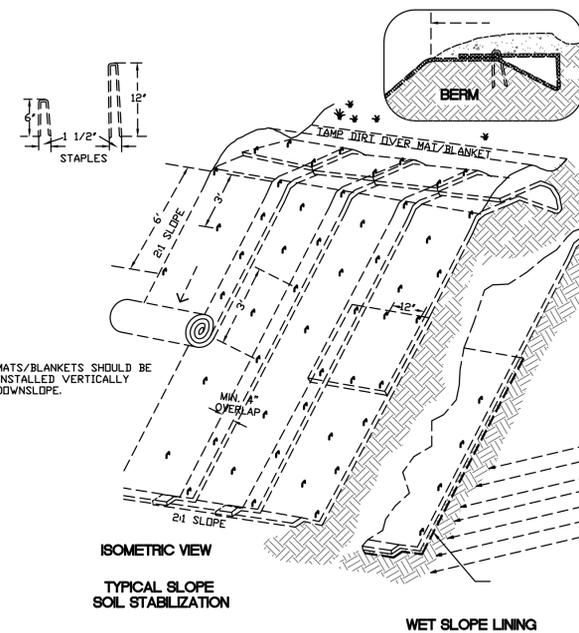


NOTE:
STORM DRAIN DISSIPATER SHALL BE SET AT ZERO GRADE (COMPLETELY FLAT) PARALLEL TO CONTOURS BY USE OF SURVEY STAKES
IF LENGTH > 20', A CLEANOUT SHALL BE INSTALLED ON EACH END
IF GROUND SLOPE ≥ 4H:1V, INLET SHALL BE PRECAST CONCRETE INLET PER TABLE DIMENSIONS
IF GROUND SLOPE ≤ 4H:1V AND SD 8" OR LESS, INLET SHALL BE RND ROUND INLET (MATCHING DISSIPATER SIZE) WITH RND ROUND GRATE

PRECAST CONCRETE INLET SIZING TABLE		
SD PIPE SIZE (IN.)	INLET SIZE (IN.)	OLD CASTLE PRECAST MODEL NO. *
4" - 10"	12" X 12"	CB1212
12" - 15"	18" X 18"	CB1818
15" - 18"	24" X 24"	CB2424
18" - 24"	30" X 30"	CB3030

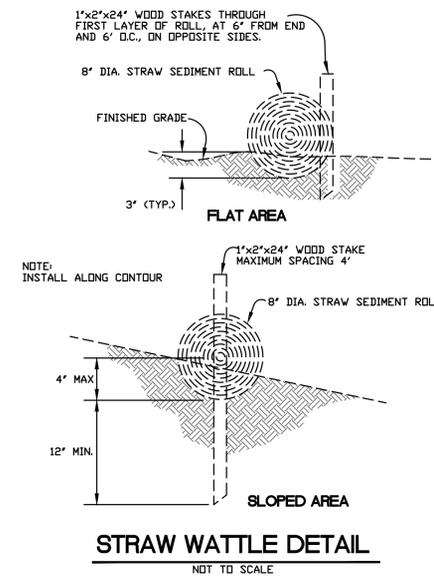
*OR APPROVED EQUAL

STORM DRAIN DISSIPATER
NOT TO SCALE



- NOTES:
- SLOPE SURFACE SHALL BE FREE OF ROCKS, CLDS, STICKS AND GRASS. MATS/BANKETS SHALL HAVE GOOD SOIL CONTACT.
 - LAY BANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

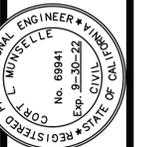
EROSION BLANKETS + TURF REINFORCEMENT MATS SLOPE INSTALLATION
NO SCALE



STRAW WATTLE DETAIL
NOT TO SCALE

REVISION	DESCRIPTION	BY	DATE

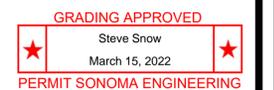
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OF 16 SHEETS