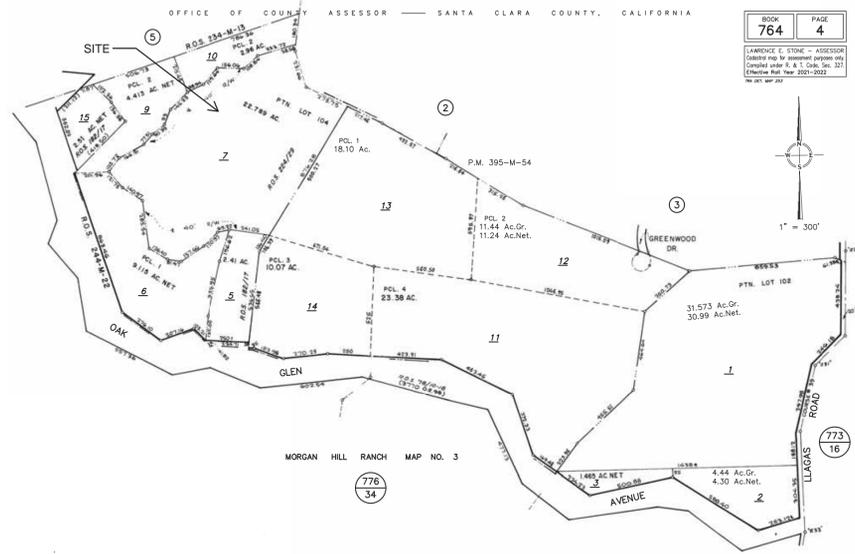
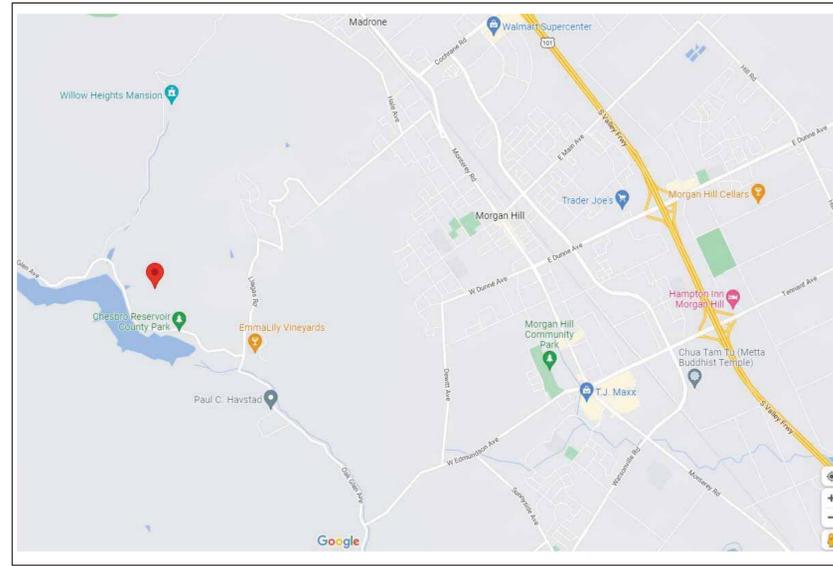


PLANNING DEVELOPMENT SUBMITTAL FOR SINGLE FAMILY RESIDENCE

PARCEL MAP



VICINITY MAP



PROJECT INFO

OWNER:	CODY & PAMELA DRUMMOND
APN:	764-04-007
ZONING:	HS
SETBACKS:	30' SIDE AND REAR
ADDRESS:	Raw Land. No Address Yet.
LOT SIZE:	22.789 ACRES

SCOPE OF WORK

- NEW 2 STORY RESIDENCE
- GRADING
- NEW ROAD AND DRIVEWAY
- NEW SEPTIC SYSTEM AND LEACH FIELDS
- WARF HYDRANT SYSTEM
- WATER TANKS
- ISSUANCE OF PROPERTY ADDRESS

COUNTY NOTES

- All Working Shall Conform To All Santa Clara County Building Codes, The Adopted California Building Code And The Latest Edition Of The Standard Specifications For Public Works Construction Except As Specified Otherwise On These Plans And Details.
 - No Work May Be Started On-site Without An Approved Grading Plan And Grading Permit Issued By The County Of Santa Clara
 - A Pre-job Meeting Shall Be Held With The County Engineering Inspector From The Parks And Public Works Department Prior To Any Work Being Done. This Meeting Should Include:
 - A Discussion Of The Project Conditions Of Approval, Working Hours, Site Maintenance And Other Construction Matters;
 - Acknowledgment In Writing That Contractor And Applicant Have Read And Understood The Project Conditions Of Approval, And Will Make Certain That's All Project Subcontractors Have Read And Understand Them Prior To Commencing Work And That A Copy Of The Project Conditions Of Approval Will Be Posted One Site At All Times During Construction.
 - Approval Of Plans Does Not Release The Developer Of The Responsibility For The Correction Of Mistakes, Errors, Or Omissions Contained Therein. If During The Course Of The Construction Of The Improvements, Public Interest And Safety Requires A Modification Or Departure From The County Specifications Or These Improvement Plans, The County Engineer Shall Have Full Authority To Require Such Modification Or Departure And To Specify The Manner In Which The Same Is To Be Made.
 - Approval Of This Plan Applies Only To The Grading, Excavation, Placement, And Compaction Of Natural Earth Materials. This Approval Does Not Confer Any Rights Of Entry To Either Public Property Of The Private's Property Of Others And Does Not Constitute Approval Of Any Other Improvements.
 - Excavated Material Shall Be Placed In The Fill Area Designated Or Shall Be Hauled Away From The Site To Be Disposed Of At Approved Locations.
 - It Shall Be The Responsibility Of The Permittee Or Contractor To Identify, Locate And Protect All Underground Facilities. Permittee Or Contractor Shall Notify Usa (Underground Service Alert) At 1-800-227-2600 A Minimum Of Forty-eight Hours But Not More Than Fourteen Days Prior To Commencing All Work.
 - All Grading Shall Be Performed In Such A Manner As To Comply With The Standards Established By The Air Quality Management District For Airborne Particulates.
 - The Contractor Shall Comply With All Local, State And Federal Laws, Codes, Rules And Regulations Governing The Work Identified On These Plans. These Shall Include, Without Limitation, Safety And Health Act Or Any Other Applicable Public Authority.
 - The General Contractor Shall Provide Qualified Supervision On The Job Site At All Times During Construction.
 - Horizontal And Vertical Controls Shall Be Set And Certified By A Licensed Surveyor Or Registered Civil Engineer Qualified To Practice Land Surveying, For The Following Items:
 - Retaining Wall: Top Of Wall Elevations And Locations (All Walls To Be Permitted Separately And Applied For At The Santa Clara County Building Decision).
 - Bottom And Top Of The Cut And Fill Slop
 - Prior To Issuance Of Any Permit, The Applicant's Soils Engineer Shall Review The Final Grading And Drainage Plans To Ensure That Designs For The Foundation, Retaining Walls, Site Grading, And Site Drainage Are In Accordance With Their Recommendations And Peer Review Comments. The Applicant's Soils Engineers' Approval Shall Then Be Conveyed To The County Either By Letter Or By Signing The Plans.
 - During Construction, All Excavations And Grading Shall Be Inspected By The Applicant's Soil Engineer. The Engineer Shall Be Notified At Least 48 Hours Before Beginning Any Grading. The Engineer Shall Be On-site To Verify That The Actual Conditions Are As Anticipated In The Design Level Geotechnical Report/ Or Provide Appropriate Changes To The Report Recommendations, As Necessary. All Unobserved And/or Unapproved Grading Shall Be Removed And Replaced Under Soils Engineer Observance (The County Inspector Shall Be Made Aware Of Any Required Changes Prior To Work Being Performed).
 - The Results Of The Construction Observation And Testing Should Be Documented In An "As-built" Letter/ Report Prepared By The Applicant's Soils Engineer And Submitted For The County's Review And Acceptance Before The Final Release Of Any Occupancy Permit Is Granted.
 - All Private And Public Streets Accessing Projects Site Shall Be Kept Open And In A Safe, Drivable Condition Throughout Construction. If Temporary Closure Is Needed, Then Formal Written Notice To The Adjacent Neighbors And Santa Clara County Parks And Public Works Department Shall Be Provided At Least One Week In Advance Of Closure And No Closure Shall Be Granted Without The Express Written Approval Of The County. No Material Or Equipment Shall Be Stored In The Public Or Private Right Of Way.
 - The Contractor Shall Install Fences, Barriers, Lights, And Signs That Are Necessary To The Adequate Working And/protection To The Public At All Times.
 - Owner/ Applicant:
 - Pool Contractor: Drummond And Sons Pool Phone: 408-809-7420
 - Water Shall Be Available On The Site At All Times During Grading Operations To Properly Maintain Dust Control
 - This Plan Does Not Approve The Removal Of Trees. Appropriate Tree Removal Permits And Methods Of Tree Preservation Shall Be Required. Tree Removal Permits Are Required Prior To The Approval Of All Plans.
 - A County Encroachment Permit Is Required For Any Work Within The Public Right Of Way. A State Encroachment Permit Is Required For Any Work Within The State Right- Of- Way (If Applicable). The Permittee And/ Or Contractor Shall Be Responsible For Coordinating Inspection Performed By Other Governmental Agencies.
 - No Cross-lot Drainage Will Be Permitted, Fitted Without Satisfactory Stormwater Acceptance Deed/facilities. All Drainage Shall Be Directed To This Street Or Other Acceptable Drainage Facility Via A Non-erosive Method As Approved By The County Engineer.
 - It Is The Responsibility Of The Contractor And Or Homeowner To Make Sure That All Dirt Tracked Into The Public Right Of Way Is Cleared Upon A Daily Basis. Mud, Dirt, Concrete, And Other Construction Debris Shall Not Be Washed Into The Town's Storm Drains.
 - Good Housekeeping Practices Shall Be Observed At All Times During The Course Of Construction. Superintendence Of Construction Shall Be Diligently Performed By A Person Or Persons Authorized To Do So At All Times During Working Hours. The Storing Of Goods And Or Materials On The Sidewalk And Or The Street Will Not Be Allowed Unless A Special Permit Is Issued By The Engineering Division. The Adjacent Public Right Of Way Shall Be Kept Clear Of All Job-related Dirt Of Debris At The End Of The Day. Failure To Maintain The Public Right Of Way According To This Condition May Result In Penalties And Or The County Performing The Required Maintenance At The Developer's Expense.
 - Grading Shall Be Undertaken In Accordance With Conditions And Requirements Of The Projected Stormwater Pollution Control Plan And Or Stormwater Pollution Prevention Plan, The County Of Santa Clara Stormwater Quality Management Program, National Pollutant Discharge Elimination System And Any Other Permits/ Requirements Issued By The State Of California Regional Water Quality Control Board. Plans (Including All Updates) Shall Be On-site At All Times. No Direct Stormwater Discharge From The Developer Will Be Allowed On To County Streets Or Discharged Into The Public Storm Drain System Without Treatment By An Approved Stormwater Pollution Prevention Device Shall Be The Sole Responsibility Of The Owner. Discharges Or Connection Without Treatment By An Approved And Adequately Operating Stormwater Pollution Prevention Device Or Other Approved Method Shall Be Considered A Violation Of The Aboverefereced Permit And Santa Clara County Stormwater Ordinance.
- This Project Is Constructed Under The 2019 California Residential Building Code, California Building Code, California Plumbing Code, California Mechanical Code, California Electrical Code, California Fire Code, California Green Building Code, And California Energy Code. The Soil Engineer And Structural Engineer Shall Be Retained To Provide Observation And Testing Services Turning The Grading And Foundation Phase Of Construction Per Soil Report Recommendations And Structural Calculations. Inspection And Testing Reports Shall Be Submitted To The Building Department Prior To The Issuance Of Building Final Approval, The Property Shall Be In Compliance With The Vegetation Clearance Requirements Prescribed In The California Fire Code Section 4906 Including California Public Resources Code 4291 Or California Government Code 51182. Crc Section R337.1.5 Pre Plaster Inspection Will Not Be Signed Off Without Installation Of The Pool Barriers. Pool Barriers Must Comply With The Requirements Of Sec. 3109.4.4.2 Of The 2019 California Building Code And Santa Clara County Applicable Building Codes.

DRAWING INDEX

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A2	SITE PLAN
A3	TREE PROTECTION
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C2	CIVIL SURVEY
C3	CIVIL GRADING
C4	CIVIL ROAD A
C5	CIVIL ROAD B
C6	CIVIL STORM WATER
C7	CIVIL SEPTIC LOCATION
C8	CIVIL EROSION CONTROL
C9	CIVIL EROSION DETAILS
C10	CIVIL DEVELOPMENT & AVERAGE SLOPE
C11	DOMESTIC AND WHARF (WATER SYSTEM)
C12	SECTIONS AND DETAILS
BMP 1	BEST MANAGEMENT PRACTICES 1
BMP 2	BEST MANAGEMENT PRACTICES 2
SEPTIC	APPROVED SEPTIC SYSTEM PLAN (13 SHEETS TOTAL)

PROJECT TEAM

OWNER: CODY DRUMMOND 16767 SAN LUIS WAY, MORGAN HILL, CA, 95037 (408) 661-3195	GEOLOGIST: STEVEN CONNELLY STEVEN F. CONNELLY C.E.G. 1169 AVENIDA BENITO SAN JOSE, CA 95131 (408) 392-9999
GEOTECH ENGINEER: DAN DYKMAN GEO FORENSICS INC. 303 VINTAGE PARK DR, SUIT 220 FOSTER CITY, CA 94404 (650) 349-3369	
SEPTIC ENGINEER: CHRISTOPHER DAY P.O. BOX 26 REDWOOD CITY, CA 94064 (650) 293-1045	
CIVIL ENGINEER GILBERT FITCH GILBERT FITCH & ASSOCIATES, INC. 1320 GALAXY WAY, CONCORD, CA. 94520 (925) 682-6234	
MOKI SMITH SMITH TREE SPECIALISTS, INC. 9440 TRAILBLAZER WAY GILROY, CA 95020 (408) 722-8942	

PROJECT NAME:
NEW DRUMMOND FAMILY SINGLE RESIDENCE

**CODY DRUMMOND
PROPERTY OWNER
CODY@DASPOOLS.COM
408-661-3195**

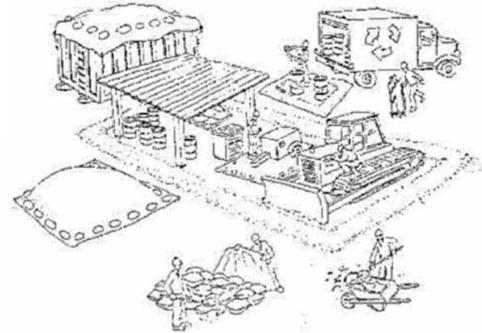
**ROLLING HILLS DRIVE
MORGAN HILL, CA. 95037
APN: 764-04-007**

DRAWING RECORD	
DESCRIPTION	ISSUED
SUBMITTAL	06-28-2022
SUBMITTAL	08-20-2022

TITLE:
TITLE SHEET

NUMBER:
A.0

Pollution Prevention — It's Part of the Plan



Make sure your crews and subs do the job right!

Runoff from streets and other paved areas is a major source of pollution in San Francisco Bay. Construction activities can directly affect the health of the Bay unless contractors and crews plan ahead to keep dirt, debris, and other construction waste away from storm drains and local creeks. Following these guidelines will ensure your compliance with local ordinance requirements.



Materials storage & spill cleanup

Non-hazardous materials management

- ✓ Sand, dirt, and similar materials must be stored at least 10 feet from catch basins, and covered with a tarp during wet weather or when rain is forecast.
- ✓ Use (but don't overuse) reclaimed water for dust control as needed.
- ✓ Sweep streets and other paved areas daily. Do not wash down streets or work areas with water!
- ✓ Recycle all asphalt, concrete, and aggregate base material from demolition activities.
- ✓ Check dumpsters regularly for leaks and to make sure they don't overflow. Repair or replace leaking dumpsters promptly.

Hazardous materials management

- ✓ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, state, and federal regulations.
- ✓ Store hazardous materials and wastes in secondary containment and cover them during wet weather.
- ✓ Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- ✓ Be sure to arrange for appropriate disposal of all hazardous wastes.

Spill prevention and control

- ✓ Keep a stockpile of spill cleanup materials (rags, absorbents, etc.) available at the construction site at all times.
- ✓ When spills or leaks occur, contain them immediately and be particularly careful to prevent leaks and spills from reaching the gutter, street, or storm drain. Never wash spilled material into a gutter, street, storm drain, or creek!
- ✓ Report any hazardous materials spills immediately! Dial 911 or your local emergency response number.

Vehicle and equipment maintenance & cleaning

- ✓ Inspect vehicles and equipment for leaks frequently. Use drip pans to catch leaks until repairs are made; repair leaks promptly.
- ✓ Fuel and maintain vehicles on site only in a bermed area or over a drip pan that is big enough to prevent runoff.
- ✓ If you must clean vehicles or equipment on site, clean with water only in a bermed area that will not allow rinsewater to run into gutters, streets, storm drains, or creeks.
- ✓ Do not clean vehicles or equipment on-site using soaps, solvents, degreasers, steam cleaning equipment, etc.



Dewatering operations

- ✓ Reuse water for dust control, irrigation, or another on-site purpose to the greatest extent possible.
- ✓ Be sure to call your city's storm drain inspector before discharging water to a street, gutter, or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- ✓ In areas of known contamination, testing is required prior to reuse or discharge of groundwater. Consult with the city inspector to determine what testing to do and to interpret results. Contaminated groundwater must be treated or hauled off-site for proper disposal.



Concrete, grout, and mortar storage & waste disposal

- ✓ Be sure to store concrete, grout, and mortar under cover and away from drainage areas. These materials must never reach a storm drain.
- ✓ Wash out concrete equipment/trucks off-site or designate an on-site area for washing where water will flow onto dirt or into a temporary pit in a dirt area. Let the water seep into the soil and dispose of hardened concrete with trash.

- ✓ Divert water from washing exposed aggregate concrete to a dirt area where it will not run into a gutter, street, or storm drain.
- ✓ If a suitable dirt area is not available, collect the wash water and remove it for appropriate disposal off site.



Earthwork & contaminated soils

- ✓ Keep excavated soil on the site where it is least likely to collect in the street. Transfer to dump trucks should take place on the site, not in the street.
- ✓ Use hay bales, silt fences, or other control measures to minimize the flow of silt off the site.



- ✓ Avoid scheduling earth moving activities during the rainy season if possible. If grading activities during wet weather are allowed in your permit, be sure to implement all control measures necessary to prevent erosion.
- ✓ Mature vegetation is the best form of erosion control. Minimize disturbance to existing vegetation whenever possible.
- ✓ If you disturb a slope during construction, prevent erosion by securing the soil with erosion control fabric, or seed with fast-growing grasses as soon as possible. Place hay bales down-slope until soil is secure.

- ✓ If you suspect contamination (from site history, discoloration, odor, texture, abandoned underground tanks or pipes, or buried debris), call your local fire department for help in determining what testing should be done.
- ✓ Manage disposal of contaminated soil according to Fire Department instructions.

Saw cutting

- ✓ Always completely cover or barricade storm drain inlets when saw cutting. Use filter fabric, hay bales, sand bags, or fine gravel dams to keep slurry out of the storm drain system.
- ✓ Shovel, absorb, or vacuum saw-cut slurry and pick up all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- ✓ If saw cut slurry enters a catch basin, clean it up immediately.

Paving/asphalt work



- ✓ Do not pave during wet weather or when rain is forecast.
- ✓ Always cover storm drain inlets and man-holes when paving or applying seal coat, tack coat, slurry seal, or fog seal.
- ✓ Place drip pans or absorbent material under paving equipment when not in use.
- ✓ Protect gutters, ditches, and drainage courses with hay bales, sand bags, or earthen berms.
- ✓ Do not sweep or wash down excess sand from sand sealing into gutters, storm drains, or creeks. Collect sand and return it to the stockpile, or dispose of it as trash.
- ✓ Do not use water to wash down fresh asphalt concrete pavement.

Painting

- ✓ Never rinse paint brushes or materials in a gutter or street!
- ✓ Paint out excess water-based paint before rinsing brushes, rollers, or containers in a sink. If you can't use a sink, direct wash water to a dirt area and spade it in.
- ✓ Paint out excess oil-based paint before cleaning brushes in thinner.
- ✓ Filter paint thinners and solvents for reuse whenever possible. Dispose of oil-based paint sludge and unusable thinner as hazardous waste.



PROJECT NAME:
NEW DRUMMOND
FAMILY SINGLE
RESIDENCE

CODY DRUMMOND
PROPERTY OWNER
CODY@DASPOOLS.COM
408-661-3195

ROLLING HILLS DRIVE
MORGAN HILL, CA. 95037
APN: 764-04-007

DRAWING RECORD	
DESCRIPTION	ISSUED
SUBMITTAL	06-28-2022

TITLE:
COVER SHEET/
PROJECT INFO

NUMBER:
A1



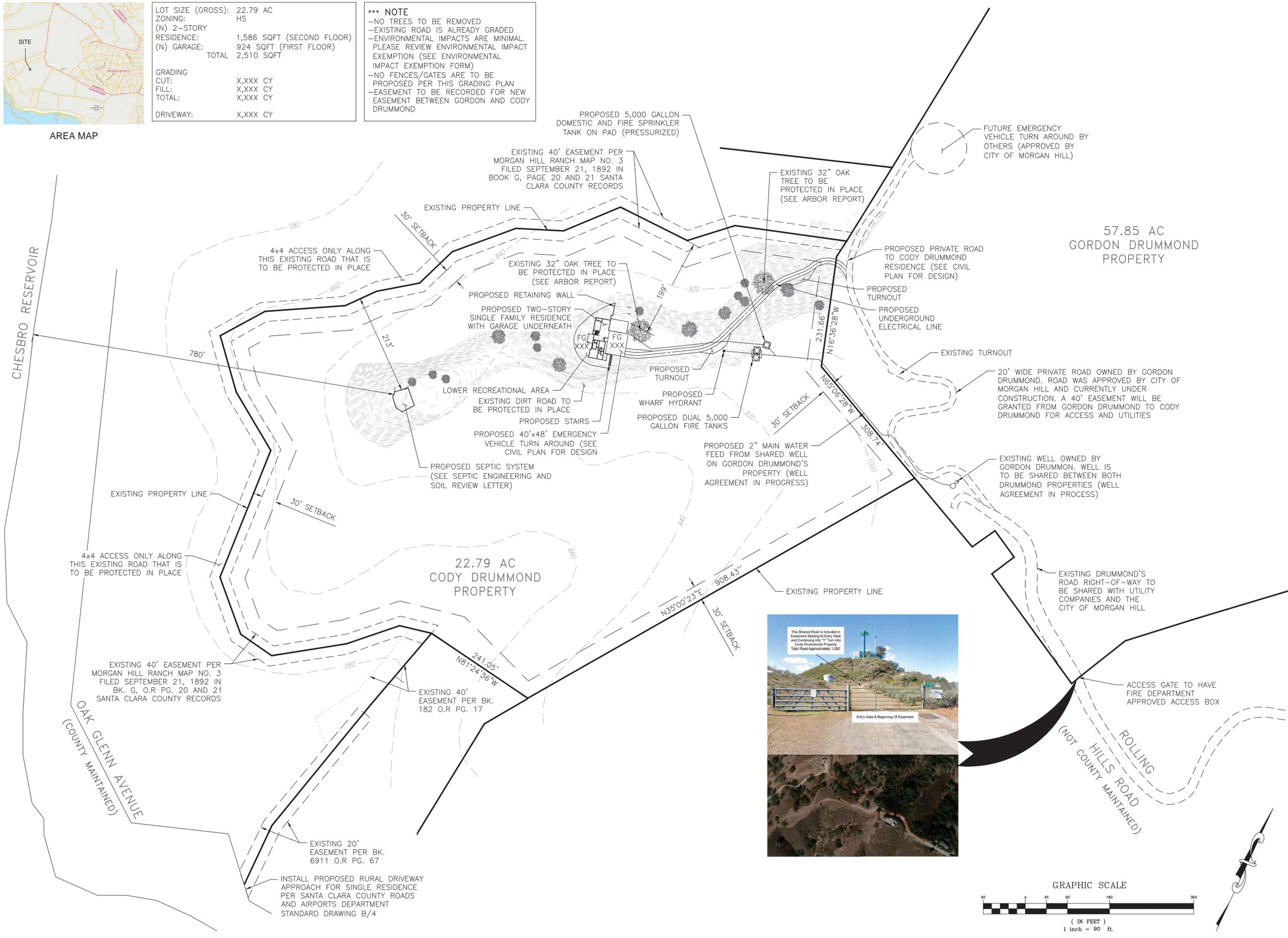
AREA MAP

LOT SIZE (GROSS): 22.79 AC
 ZONING: HS
 (N) 2-STORY RESIDENCE: 1,586 SQFT (SECOND FLOOR)
 (N) GARAGE: 924 SQFT (FIRST FLOOR)
 TOTAL: 2,510 SQFT

GRADING
 CUT: X,XXX CY
 FILL: X,XXX CY
 TOTAL: X,XXX CY

DRIVEWAY: X,XXX CY

***** NOTE**
 -NO TREES TO BE REMOVED
 -EXISTING ROAD IS ALREADY GRADED
 -ENVIRONMENTAL IMPACTS ARE MINIMAL.
 PLEASE REVIEW ENVIRONMENTAL IMPACT EXEMPTION (SEE ENVIRONMENTAL IMPACT EXEMPTION FORM)
 -NO FENCES/GATES ARE TO BE PROPOSED PER THIS GRADING PLAN
 -EASEMENT TO BE RECORDED FOR NEW EASEMENT BETWEEN GORDON AND CODY DRUMMOND



ROLLING HILLS DRIVE
 NEW DRUMMOND
 FAMILY SINGLE
 RESIDENCE

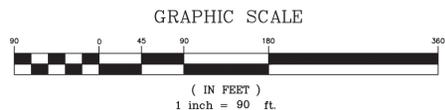
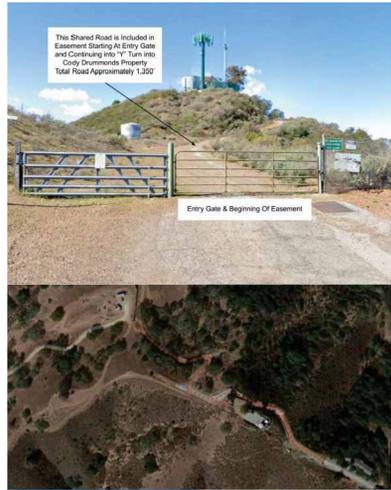
CODY DRUMMOND
 PROPERTY OWNER
 CODY@DASPOOLS.COM
 408-661-3195

ROLLING HILLS DRIVE
 MORGAN HILLS, CA 95037
 APN: 764-04-007

DRAWING RECORD

DESCRIPTION	ISSUED
SUBMITTAL	06-28-2022
SUBMITTAL	08-20-2022
SUBMITTAL	---2023

TITLE:
 SITE PLAN
 NUMBER
 A2



NEW DRUMMOND
FAMILY SINGLE
RESIDENCE

CODY DRUMMOND
PROPERTY OWNER
CODY@DASPOOLS.COM
408-661-3195

ROLLING HILLS DRIVE
MORGAN HILLS, CA 95037
APN: 764-04-007

DRAWING RECORD

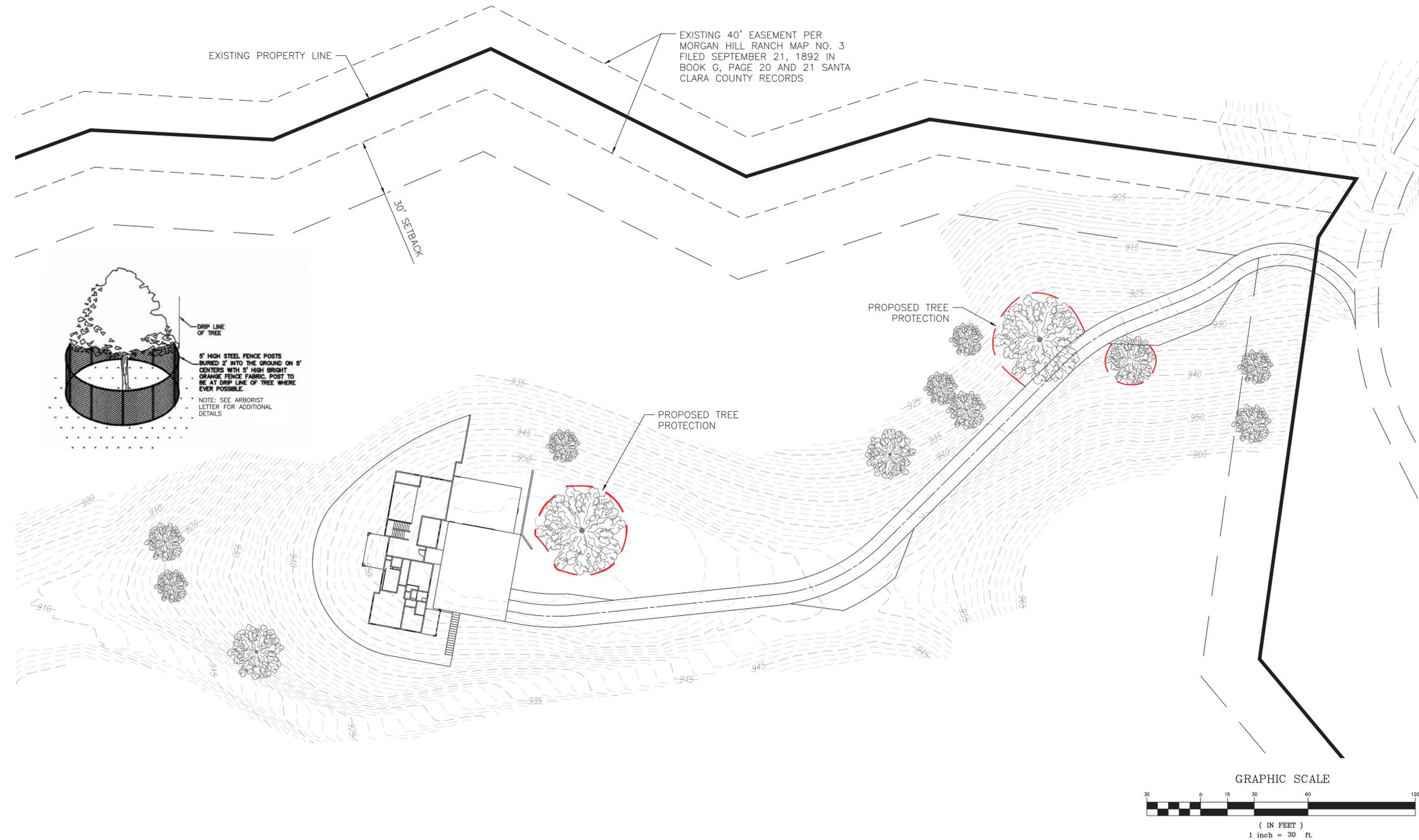
DESCRIPTION	ISSUED
SUBMITTAL	06-28-2022
SUBMITTAL	08-20-2022
SUBMITTAL	---2023

TITLE:

TREE PROTECTION

NUMBER

A3



GENERAL NOTES:

1. THE ENGINEER OF RECORD CERTIFIES AND GUARANTEES THAT THESE PLANS SHOW ALL 1. EXISTING FEATURES, INCLUDING BUT NOT LIMITED TO: TREES, UTILITIES, GROUND CONTOURS AND STRUCTURES, THAT MAY BE AFFECTED IN ANY WAY BY THE CONSTRUCTION OR PLACEMENT OF THE PROPOSED ENGINEERED IMPROVEMENTS SHOWN ON THESE PLANS. THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE ENGINEER IF THERE ARE ANY EXISTING FEATURES, WHETHER SHOWN OR NOT SHOWN ON THESE PLANS, THAT COULD IN ANY WAY BE IN POTENTIAL CONFLICT WITH THE DESIGN OF THESE PLANS. ALL WORK WITHIN THE VICINITY OF POTENTIAL CONFLICTS SHALL CEASE UNTIL AN ADEQUATE AND APPROVED SOLUTION IS DETERMINED BY THE ENGINEER AND APPROVED BY THE PUBLIC WORKS DEPARTMENT.
2. SHOULD IT APPEAR THAT THE WORK TO BE DONE, OR ANY MATTER RELATIVE THERETO, IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT LM CONSULTING ENGINEERS, INC. , FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.
3. BASIS OF ELEVATION DATUM: CONTRA COSTA COUNTY STANDARD MONUMENT IN LAGACY DRIVE AS SHOWN ON SHEET 2 OF 5. ASSUMED ELEVATION OF 258.45 FEET. ALL REVISIONS TO THIS PLAN MUST BE REVIEWED BY THE GRADIN DEPARTMENT
4. PRIOR TO CONSTRUCTION AND SHALL BE ACCURATELY SHOWN ON REVISED PLANS, STAMPED AND DISTRIBUTED BY THE ENGINEERING SERVICES DIVISION, PRIOR TO ACCEPTANCE OF THE WORK AS COMPLETE.
5. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AT (800) 642-2444, 48 HOURS PRIOR TO ANY EXCAVATION. THE USA AUTHORIZATION NUMBER SHALL BE KEPT AT THE JOB SITE.
6. NO TREES SHALL BE REMOVED UNLESS THEY ARE SHOWN AND NOTED TO BE REMOVED ON THE IMPROVEMENT PLANS. IF ANY TREES ARE TO BE REMOVED, THE IMPROVEMENT PLANS MUST BE REVIEWED AND ACKNOWLEDGED BY THE STANA CLARA COUNTY. ALL TREES CONFLICTING WITH GRADING, UTILITIES, OR OTHER IMPROVEMENTS, OR OVERHANGING THE SIDEWALK OR PAVEMENT SO AS TO FORM A NUISANCE OR HAZARD, SHALL BE TRIMMED, PROPERLY TREATED AND SEALED.
7. IF PAVING AND STORM DRAIN IMPROVEMENTS ARE NOT COMPLETED BY OCTOBER 1ST, TEMPORARY SILT AND DRAINAGE CONTROL FACILITIES SHALL BE INSTALLED TO CONTROL AND CONTAIN EROSION-CAUSED SILT DEPOSITS AND TO PROVIDE FOR THE SAFE DISCHARGE OF STORM WATERS INTO EXISTING STORM WATER FACILITIES. DESIGN OF THESE FACILITIES MUST BE APPROVED BY THE BUILDING INSPECTION DEPARTMENT.
8. THE CONTRACTOR SHALL COMPLY WITH ALL RULES, REGULATIONS AND PROCEDURES OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) FOR MUNICIPAL CONSTRUCTION AND INDUSTRIAL ACTIVITIES AS PROMULGATED BY THE CALIFORNIA STATE WATER RESOURCE CONTROL BOARD OR ANY OF ITS REGIONAL WATER QUALITY CONTROL BOARDS.
9. ALL RELATIVE COMPACTION TESTS OF SUBGRADE SOILS, AGGREGATE SUB-BASE AND BASE COURSE MATERIALS WILL BE SUBJECT TO THE FOLLOWING: ANY SCHEDULED RELATIVE COMPACTION TEST THAT IS NOT READY FOR TESTING WITHIN 15 MINUTES OF ARRIVAL OF THE MATERIALS TESTING PERSONNEL WILL BE RESCHEDULED. A FEE WILL BE CHARGED FOR ALL RESCHEDULING. SHOULD ANY RELATIVE COMPACTION TEST FAIL AND CANNOT BE RETESTED WITHIN A 15 MINUTE TIME PERIOD FROM THE TIME ALL IN-PLACE MATERIAL HAS BEEN TESTED FOR THAT DAY, A RETEST WILL BE REQUIRED. A FEE WILL BE CHARGED FOR RETESTING. FEES FOR RESCHEDULING AND RETESTING WILL BE AT CURRENT RATE ESTABLISHED BY THE COUNTY.
10. THE CONTRACTOR IS RESPONSIBLE FOR PRESERVATION AND/OR PERPETUATION OF ALL EXISTING MONUMENTS (THAT CONTROL SUBDIVISIONS, TRACTS, STREETS OR HIGHWAYS, OR PROVIDE SURVEY CONTROL) WHICH WILL BE DISTURBED OR REMOVED DUE TO CONTRACTOR'S WORK. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 10 WORKING DAYS NOTICE, TO PROJECT ENGINEER/SURVEYOR, PRIOR TO DISTURBANCE OR REMOVAL OF EXISTING MONUMENTS. PROJECT ENGINEER/SURVEYOR SHALL COORDINATE WITH THE CONTRACTOR TO RESET MONUMENTS OR PROVIDE PERMANENT WITNESS MONUMENTS AND FILE THE REQUIRED DOCUMENTATION WITH THE COUNTY SURVEYOR, PER BUSINESS AND PROFESSIONS CODE SECTION 8771.
11. ANY MATERIAL IMPORTED FOR THE CONSTRUCTION OF EMBANKMENTS OR AS BACKFILL FOR STRUCTURES, CULVERTS AND OTHER FACILITIES SHALL MEET THE FOLLOWING REQUIREMENTS PER SANTA CLARA COUNTY SPECIFICATIONS:

PH*	>5.5 (>7.3**)
WATER SOLUBLE SULFATE***	<0.2%
RESISTIVITY (R)*	>3000 OHM/CM**

* PER CALIFORNIA TEST 532 & 643
 ** FOR BACKFILL AROUND METAL PIPE/CONDUIT
 *** REPORTED AS SO₄

12. THE CONTRACTOR IS REQUIRED TO OBTAIN AN ENCROACHMENT PERMIT FOR ALL WORK WITHIN EXISTING COUNTY ROAD RIGHTS OF WAY. APPLICATIONS FOR ENCROACHMENT PERMIT, SUBMITTED MORE THAN 120 DAYS PAST THE PUBLIC WORKS "REVIEWED" DATE STAMP, MAY REQUIRE UP TO FOUR WEEKS TO PROCESS. FOR FURTHER PERMIT INFORMATION, CONTACT THE APPLICATION AND PERMIT CENTER.
13. THE CONTRACTOR 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. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE COUNTY AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.

GENERAL NOTES CONTINUED:

14. CONTRACTOR AND/OR DEVELOPER SHALL COMPLY WITH THE FOLLOWING CONSTRUCTION NOISE, DUST AND LITTER CONTROL REQUIREMENTS:
 - A. ALL CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO THE HOURS OF 7:30 A.A.M. TO 5:00 P.M., MONDAY THROUGH FRIDAY, AND SHALL BE PROHIBITED ON STATE AND FEDERAL HOLIDAYS.
 - B. THE PROJECT SPONSOR SHALL REQUIRE THEIR CONTRACTORS AND SUBCONTRACTORS TO FIT ALL INTERNAL COMBUSTION ENGINES WITH MUFFLERS WHICH ARE IN GOOD CONDITION AND SHALL LOCATE STATIONARY NOISE-GENERATING EQUIPMENT SUCH AS AIR COMPRESSORS AND CONCRETE PUMPERS AS FAR AWAY FROM EXISTING SCHOOLS AS POSSIBLE.
 - C. THE APPLICANT SHALL MAKE A GOOD-FAITH EFFORT TO AVOID INTERFERENCE WITH EXISTING NEIGHBORHOOD TRAFFIC FLOWS.
 - D. TRANSPORTING OF HEAVY EQUIPMENT AND TRUCKS SHALL BE LIMITED TO THE HOURS OF 8:00 A.M. AND 4:00 P.M., MONDAY THROUGH FRIDAY, AND IS PROHIBITED ON STATE AND FEDERAL HOLIDAYS.
 - E. THE SITE SHALL BE MAINTAINED IN AN ORDERLY FASHION. FOLLOWING THE CESSATION OF CONSTRUCTION ACTIVITY, ALL CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SITE.
 - F. UNNECESSARY IDLING OF INTERNAL COMBUSTION ENGINES IS PROHIBITED.
 - G. AT LEAST ONE WEEK PRIOR TO COMMENCEMENT OF GRADING, THE APPLICANT SHALL POST AT THE SITE AND MAIL TO THE OWNERS OF PROPERTY WITHIN 300 FEET OF THE EXTERIOR BOUNDARY OF THE PROJECT SITE, NOTICE THAT CONSTRUCTION WORK WILL COMMENCE. THE NOTICE SHALL INCLUDE A LIST OF CONTACT PERSONS WITH NAME, TITLE, PHONE NUMBER AND AREA OF RESPONSIBILITY. THE PERSON RESPONSIBLE FOR MAINTAINING THE LIST SHALL ALSO BE INCLUDED. THE LIST SHALL BE KEPT CURRENT AT ALL TIMES AND SHALL CONSIST OF PERSONS WITH AUTHORITY TO INDICATE AND IMPLEMENT CORRECTIVE ACTION IN THEIR AREA OF RESPONSIBILITY. THE NAMES OF INDIVIDUALS RESPONSIBLE FOR NOISE AND LITTER CONTROL, TREE PROTECTION, CONSTRUCTION TRAFFIC AND VEHICLE AND THE 24-HOUR EMERGENCY NUMBER SHALL BE EXPRESSLY IDENTIFIED ON THE NOTICE.
15. PROJECT IS LOCATED WITHIN THE STATE RESPONSE AREA (SRA) AND THE WILDLAND URBAN INTERFACE (WUI).
 - A) CHAPTER 7A OF THE CBC TO BE MET AT BUILDING PERMIT SUBMITTAL.
 - B) DEFENSIBLE SPACE TO BE MAINTAINED AT ALL TIMES.
 - C) PRC-4290 TO BE MET.

GRADING NOTES

1. "BY ACCEPTING THIS PERMIT, THE PERMITTEE, FOR HIMSELF, HIS CONTRACTORS, AND EMPLOYEES, PROMISES TO SAVE, INDEMNIFY AND HOLD HARMLESS THE COUNTY OF SANTA CLARA AND ITS EMPLOYEES, AGENTS AND REPRESENTATIVES FROM ALL LIABILITIES AND CLAIMS FOR DAMAGES BY REASON IN INJURY OR DEATH TO ANY PERSON(S), OR DAMAGE TO PROPERTY, FROM ANY CAUSE WHATSOEVER WHILE IN, UPON OR IN ANY WAY CONNECTED WITH THE WORK COVERED BY THIS GRADING PERMIT, AND DOES FURTHER PROMISE TO DEFEND THESE INDEMNITEE IN ANY CLAIM OR ACTION ARISING OUT OF OR AS A RESULT OF THE WORK DONE UNDER THIS PERMIT" (CONTRA COSTA GRADING ORDINANCE CODE SECTION 716-4.1412 INDEMNITY CLAUSE REQUIRED.)
2. ALL GRADING, SITE PREPARATION, PLACING AND COMPACTION OF FILL TO BE DONE IN ACCORDANCE SANTA CLARA COUNTY GRADING ORDINANCE, ALSO UNDER THE DIRECT OBSERVATION OF THE SOIL ENGINEER. SUBSEQUENT TO COMPLETION OF THE WORK. THE SOIL ENGINEER SHALL SUBMIT TO THE COUNTY BUILDING INSPECTION DEPARTMENT A REPORT STATING THAT ALL WORK HAS BEEN DONE TO ITS SATISFACTION.
3. CONTRACTOR TO NOTIFY SANTA CLARA COUNTY GRADING SECTION 48-HOURS PRIOR 4. TO START OF WORK.
4. ALL CUT SLOPES SHALL BE ROUNDED TO MEET EXISTING GRADES AND BLEND WITH SURROUNDING TOPOGRAPHY. ALL GRADED SLOPES SHALL BE PLANTED WITH SUITABLE GROUND COVER.
5. ANY DEVIATION FROM APPROVED PLAN REQUIRES APPROVAL OF THE SANTA CLARA COUNTY PRIOR TO ANY CHANGES OCCURRING AT THE THE PERMITTED SITE.
6. ALL SLIDE REPAIR WORK, KEYWAYS, SUBDRAIN INSTALLATION, AND BUTTRESS FILLS WORK SHALL BE INSPECTED BY THE GRADING SECTION. REPORT FROM THE SOILS ENGINEER SHALL BE SUBMITTED TO THE GRADING SECTION REGARDING THE SLIDE REPAIR AND/OR SUBDRAIN INSTALLATION, AND A SCALED DRAWING OF THE HORIZONTAL AND VERTICAL LOCATION OF ALL KEYWAY EXCAVATIONS, AND ALL SUB DRAIN IMPROVEMENT INSTALLATION. CIVIL ENGINEER OF RECORD TO SUPPLY AS-BUILT DRAWINGS.
7. DURING GRADING OPERATIONS, CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES ON SITE AND HAUL ROUTES, AND ALL OTHER STORM WATER POLLUTION PREVENTION REGULATIONS DURING DRY SEASON.
8. A ROUGH GRADE INSPECTION APPROVAL REQUIRED PRIOR TO THE COMMENCEMENT OF ANY FOUNDATION CONSTRUCTION ACTIVITY UNDER ANY SEPARATE BUILDING PERMIT.
9. A FINAL REPORT BY THE CIVIL ENGINEER CERTIFYING THAT ALL GRADING, LOT DRAINAGE FACILITIES HAVE BEEN COMPLETED AND THE SLOPE PLANNING INSTALLED IN CONFORMANCE WITH THE APPROVED PLANS, SHALL BE SUBMITTED TO THE COUNTY PRIOR TO ISSUANCE OF BUILDING PERMITS.
10. EROSION AND SEDIMENT CONTROL PLANS ARE REQUIRED DURING ALL SEASONS. COMPLIANCE TO STATE, COUNTY, AND LOCAL GOVERNMENT STORM WATER POLLUTION PREVENTION REGULATIONS IS AT ALL TIME(YEAR ROUND). PROTECTION OF ALL BARE 11. SOILS IS REQUIRED OCTOBER 1ST THROUGH MAY 15TH AND IN THE EVENT OF AN EXTENDED RAINY SEASON.
11. GRADING WORK HOURS ARE 7:30 A.M. TO 5:30 P.M. MONDAY THRU FRIDAY, EXCEPT AS OTHERWISE PROVIDED BY CONDITIONS OF APPROVAL FOR THE PROJECT. NO GRADING WORK WILL BE PERFORMED ON OBSERVED NATIONAL HOLIDAYS.

FIRE NOTES:

- PROJECT IS LOCATED WITHIN THE STATE RESPONSE AREA (SRA) AND THE WILDLAND URBAN INTERFACE (WUI)
- A) CHAPTER 7A OF THE CBC TO BE MET AT BUILDING PERMIT SUBMITTAL.
 - B) DEFENSIBLE SPACE TO BE MAINTAINED AT ALL TIMES.
 - C) PRC-4290 TO BE MET.

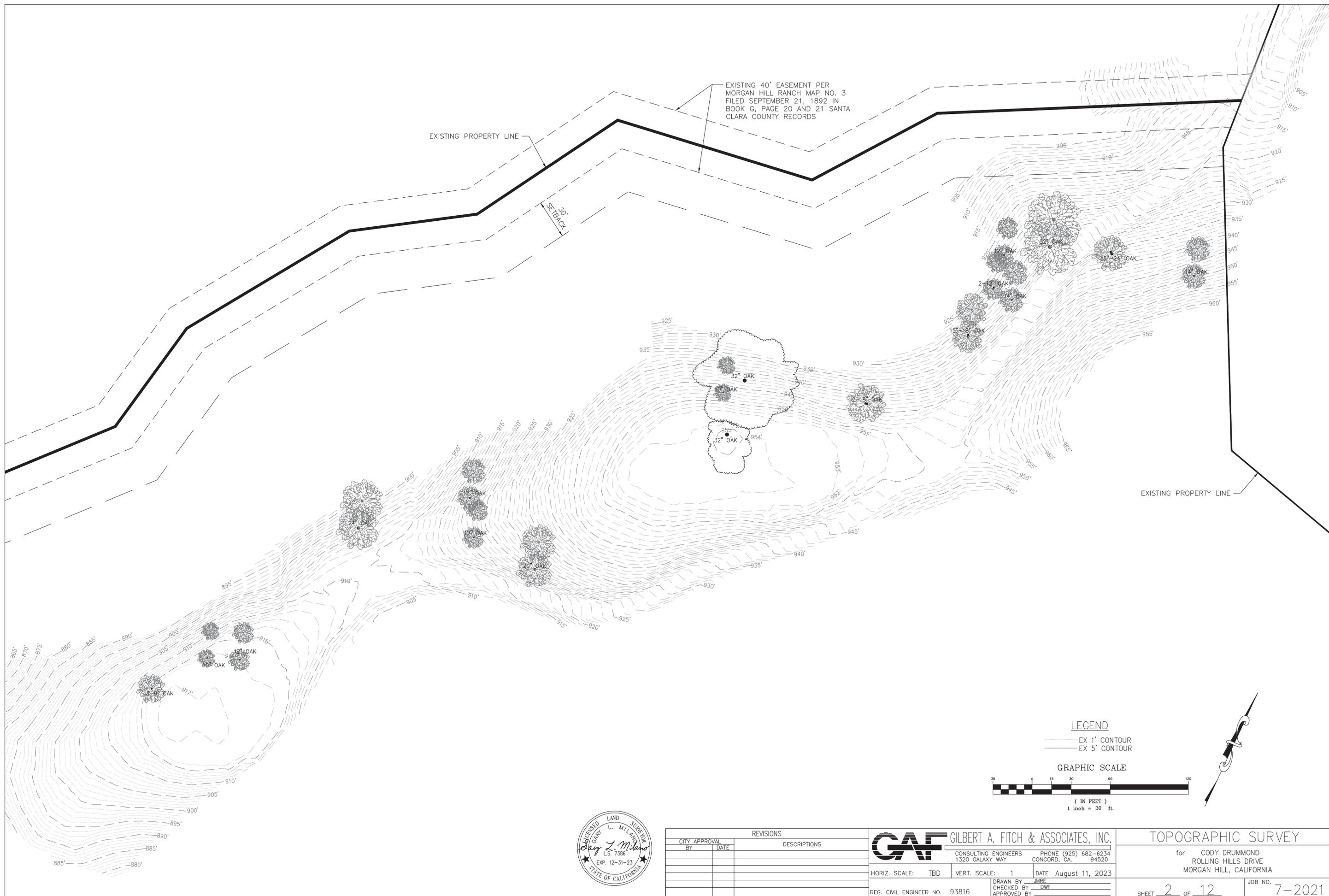
SHEET INDEX

1. GENERAL & GRADING NOTES
2. TOPOGRAPHIC SURVEY
3. GRADING PLAN
4. PRIVATE DRIVE PLAN & PROFILE
5. PRIVATE DRIVE PLAN & PROFILE
6. STORM WATER TREATMENT PLAN
7. SEPTIC SYSTEM
8. EROSION CONTROL PLANS
9. EROSION CONTROL - NOTES & DETAILS
10. PROPOSED DEVELOPMENT AREA
11. WATER SYSTEM

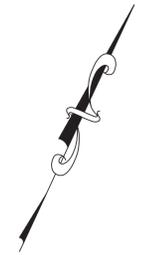
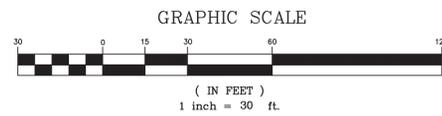


CITY APPROVAL		REVISIONS		GAF GILBERT A. FITCH & ASSOCIATES, INC.
BY	DATE		DESCRIPTIONS	
				CONSULTING ENGINEERS 1320 GALAXY WAY CONCORD, CA. 94520 PHONE (925) 682-6234
		HORIZ. SCALE: TBD	VERT. SCALE: TBD	DATE August 11, 2023
				DRAWN BY: JMRE
				CHECKED BY: DWF
				APPROVED BY:
		REG. CIVIL ENGINEER NO. 93816		

GENERAL & GRADING NOTES	
for CODY DRUMMOND ROLLING HILLS DRIVE MORGAN HILL, CALIFORNIA	
SHEET 1 of 12	JOB NO. 7-2021



LEGEND
 — EX 1' CONTOUR
 - - - EX 5' CONTOUR



CITY APPROVAL		REVISIONS
BY	DATE	

GAF GILBERT A. FITCH & ASSOCIATES, INC.
 CONSULTING ENGINEERS
 1320 GALAXY WAY
 CONCORD, CA. 94520
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HORIZ. SCALE: TBD VERT. SCALE: 1 DATE August 11, 2023

REG. CIVIL ENGINEER NO. 93816 DRAWN BY: JMRE CHECKED BY: DWF APPROVED BY: _____

TOPOGRAPHIC SURVEY

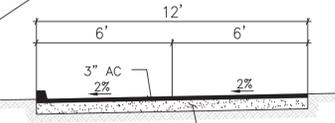
for CODY DRUMMOND
 ROLLING HILLS DRIVE
 MORGAN HILL, CALIFORNIA

SHEET 2 OF 12 JOB NO. 7-2021

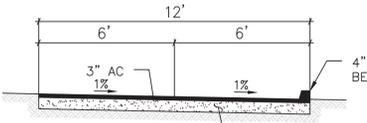
EXISTING 40' EASEMENT PER MORGAN HILL RANCH
MAP NO. 3 FILED SEPTEMBER 21, 1892 IN BOOK
G, PAGE 20 AND 21 SANTA CLARA COUNTY
RECORDS

EXISTING PROPERTY LINE

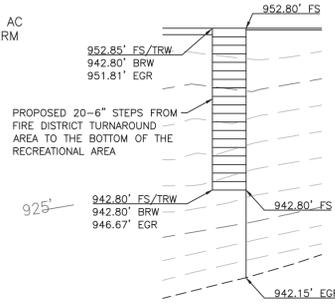
20'
SETBACK



TYPICAL SECTION AC PAVEMENT
PRIVATE DRIVEWAY
STA 10+00.00 TO 13+74.16
NOT TO SCALE



TYPICAL SECTION AC PAVEMENT
PRIVATE DRIVEWAY
STA 14+00.00 TO 15+27.81
NOT TO SCALE



STAIRS DETAIL
NOT TO SCALE

STORM DRAIN OUTLET. SEE EROSION CONTROL OUTLET DETAIL BELOW

N58°30'57"W L=5.31'
8" SD S=0.0241

N26°52'05"W L=14.85'
8" SD S=0.0241

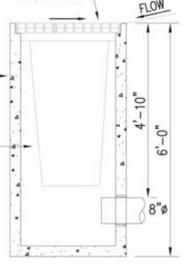
STORM DRAIN OUTLET. SEE EROSION CONTROL OUTLET DETAIL BELOW

N42°53'19"W L=16.90'
8" SD S=0.1148

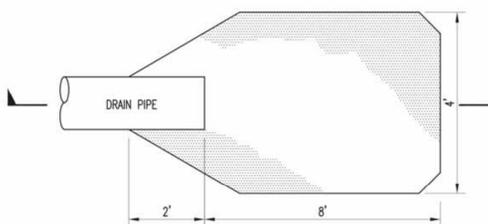
SEE CATCH BASIN DETAIL BELOW

EXISTING PROPERTY LINE

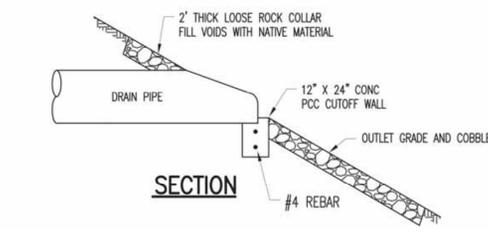
GALVANIZED STEEL GRATE, 24"x24"



CATCH BASIN DETAIL
NOT TO SCALE



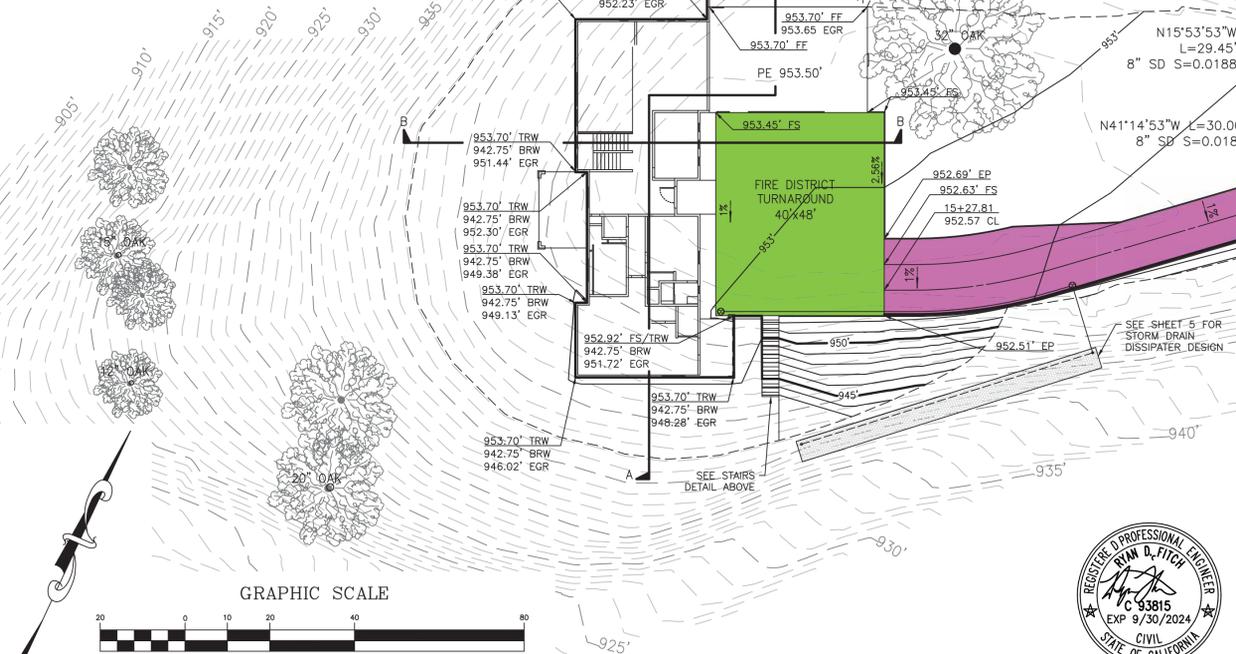
PLAN



SECTION

EROSION CONTROL OUTLET DETAIL
NOT TO SCALE

NOTE:
SEE SHEET 12 FOR SECTIONS



STORM DRAIN OUTLET. SEE EROSION CONTROL OUTLET DETAIL BELOW

N15°53'53"W L=29.45'
8" SD S=0.0188

N41°14'53"W L=30.00'
8" SD S=0.0188

BEGIN ROAD SLOPE TRANSITION FROM 2% DOWN HILL TO 1% UPHILL

PAVEMENT AREAS

AREA	PERVIOUS SURFACE TYPE
	PROPOSED AC SURFACE
	PROPOSED CONCRETE

LEGEND

- BRW BTM OF RETAINING WALL
- DW DRIVEWAY
- EC END OF CURVE
- EGR EXISTING GROUND
- EP EDGE OF PAVEMENT
- EX EXISTING
- FF FINISHED FLOOR
- FS FINISHED SURFACE
- GR PROPOSED GROUND
- HP HIGH POINT
- INV INVERT
- LP LOW POINT
- PE PAD ELEVATION
- SDCO STORM DRAIN CLEANOUT
- TC TOP OF CONCRETE
- TRW TOP OF RETAINING WALL
- EX 1' CONTOUR
- EX 5' CONTOUR
- PROPOSED 1' CONTOUR
- PROPOSED 5' CONTOUR

EARTHWORK SUMMARY

USE	CUT	FILL	IMPORT	EXPORT	MAX VERTICAL DEPTH
RESIDENCE PAD	58 CY	4 CY	0 CY	54 CY	11 FEET
DRIVEWAY	337 CY	70 CY	0 CY	267 CY	6 FEET
SITE IMPROVEMENTS	1,014 CY	366 CY	0 CY	648 CY	11 FEET

REVISIONS

CITY APPROVAL BY	DATE	DESCRIPTIONS



GILBERT A. FITCH & ASSOCIATES, INC.
CONSULTING ENGINEERS
1320 GALAXY WAY
CONCORD, CA. 94520

PHONE (925) 682-6234
DATE August 11, 2023

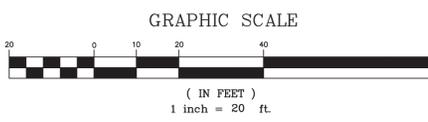
REG. CIVIL ENGINEER NO. 93816
DRAWN BY: JMR
CHECKED BY: DWF
APPROVED BY: [Signature]

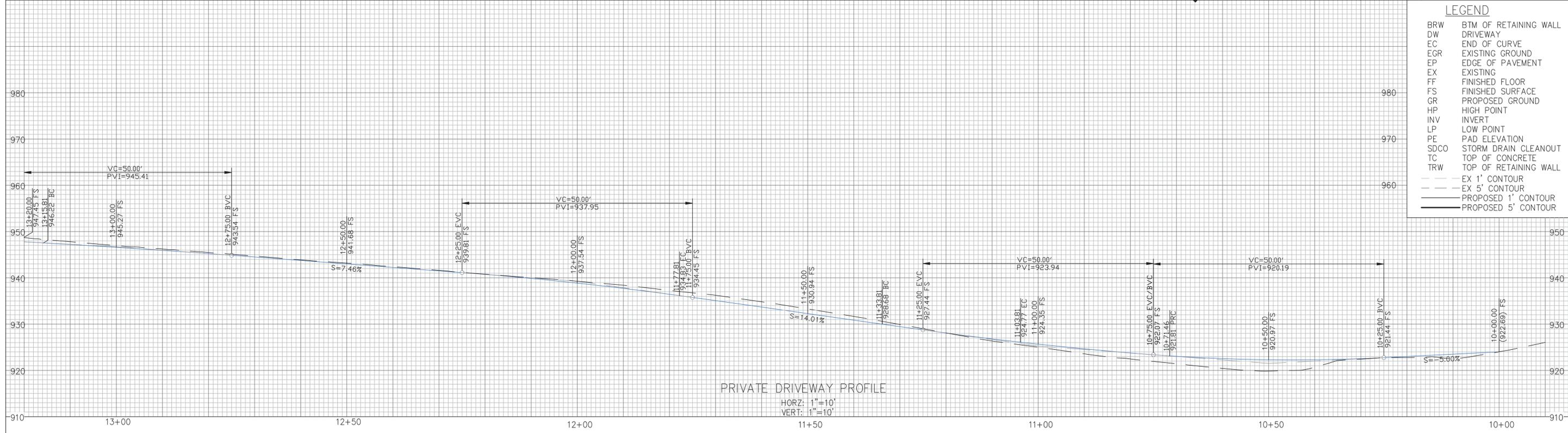
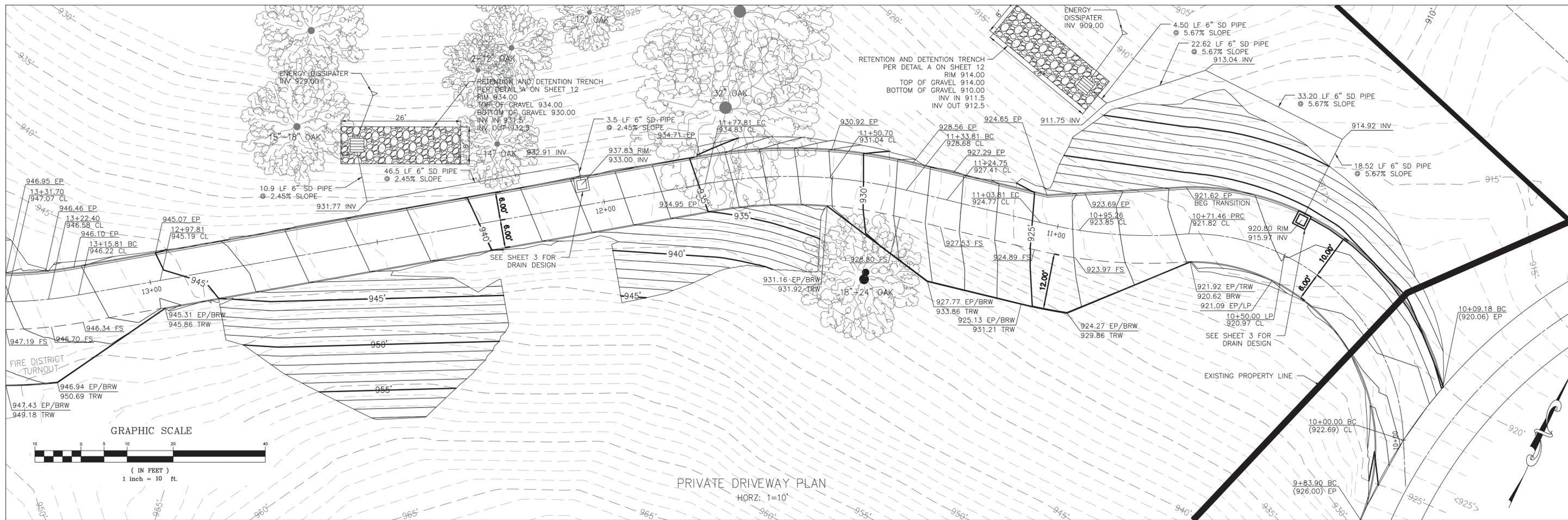
GRADING PLAN

for CODY DRUMMOND
ROLLING HILLS DRIVE
MORGAN HILL, CALIFORNIA

SHEET 3 OF 12

JOB NO. 7-2021





LEGEND

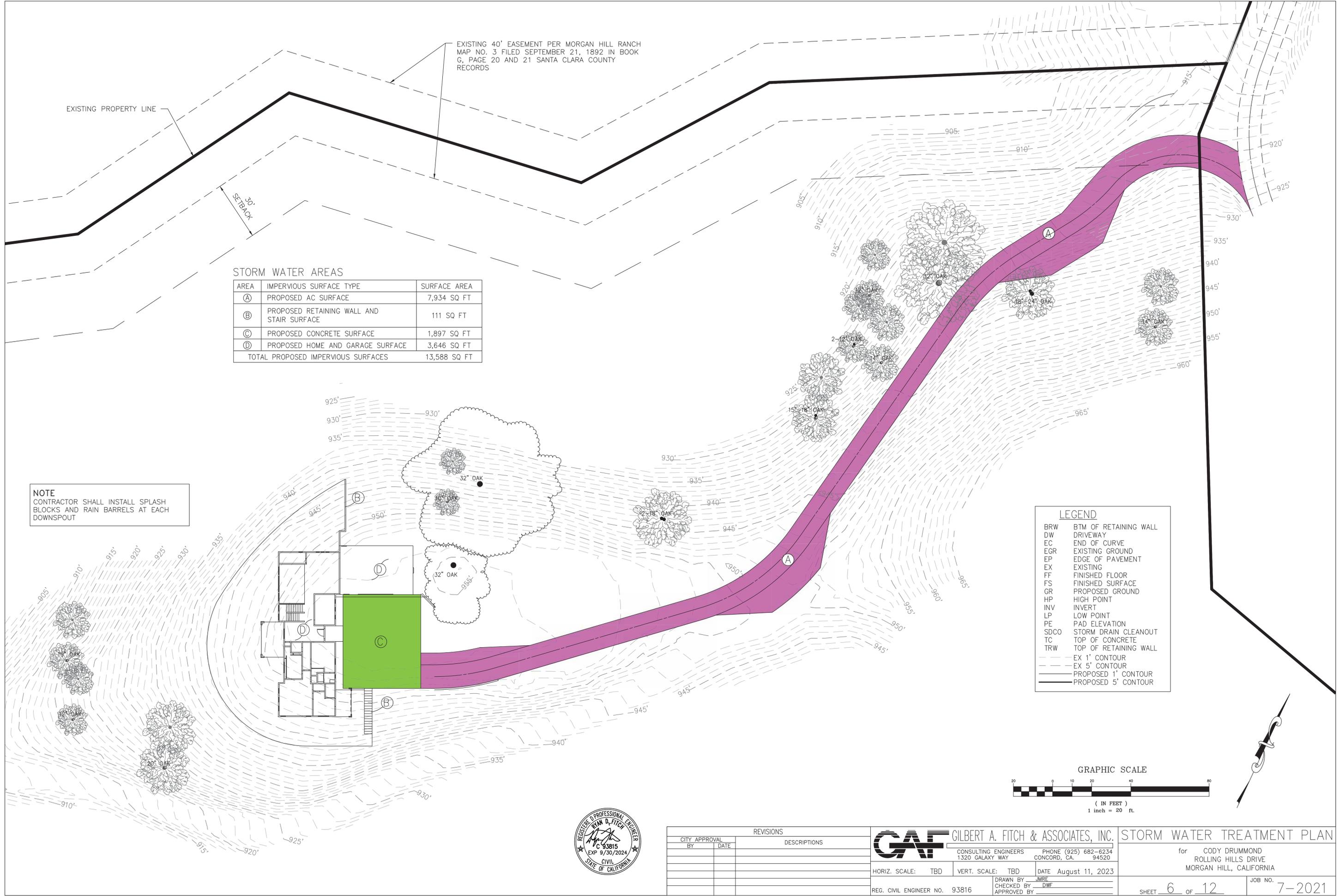
- BRW BTM OF RETAINING WALL
- DW DRIVEWAY
- EC END OF CURVE
- EGR EXISTING GROUND
- EP EDGE OF PAVEMENT
- EX EXISTING
- FF FINISHED FLOOR
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- HP HIGH POINT
- INV INVERT
- LP LOW POINT
- PE PAD ELEVATION
- SDCO STORM DRAIN CLEANOUT
- TC TOP OF CONCRETE
- TRW TOP OF RETAINING WALL
- EX 1' CONTOUR
- EX 5' CONTOUR
- PROPOSED 1' CONTOUR
- PROPOSED 5' CONTOUR



CITY APPROVAL		REVISIONS	
BY	DATE	DESCRIPTIONS	

GAF GILBERT A. FITCH & ASSOCIATES, INC.
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 DRAWN BY: JMR
 CHECKED BY: DWF
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IMPROVEMENT PLAN
 for CODY DRUMMOND
 ROLLING HILLS DRIVE
 MORGAN HILL, CALIFORNIA
 SHEET 4 OF 12 JOB NO. 7-2021



CITY APPROVAL		REVISIONS
BY	DATE	

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1320 GALAXY WAY
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CONCORD, CA 94520

HORIZ. SCALE: TBD VERT. SCALE: TBD DATE August 11, 2023

REG. CIVIL ENGINEER NO. 93816
DRAWN BY: JMRE
CHECKED BY: DWF
APPROVED BY: _____

STORM WATER TREATMENT PLAN

for CODY DRUMMOND
ROLLING HILLS DRIVE
MORGAN HILL, CALIFORNIA

SHEET 6 OF 12 JOB NO. 7-2021

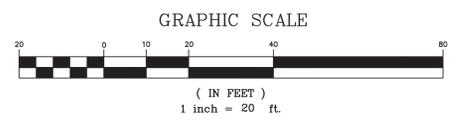
EXISTING 40' EASEMENT PER MORGAN HILL RANCH
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EXISTING PROPERTY LINE

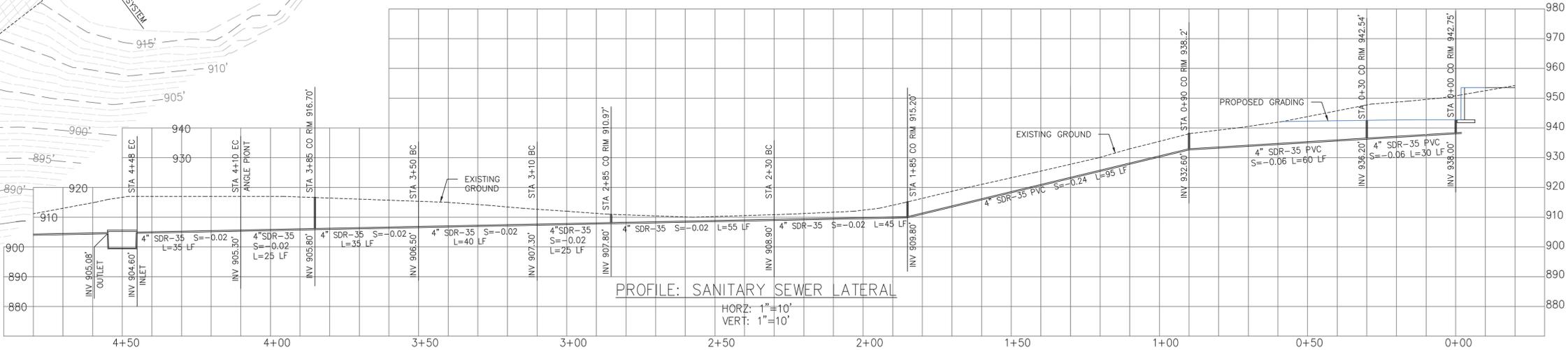
30'
SETBACK



PLAN: SANITARY SEWER LATERAL



SEE SEPTIC SEWER PLANS
BY CHRISTOPHER DAY
LEACH FIELD AREA



PROFILE: SANITARY SEWER LATERAL

HORIZ: 1"=10'
VERT: 1"=10'



REVISIONS		
CITY APPROVAL BY	DATE	DESCRIPTIONS

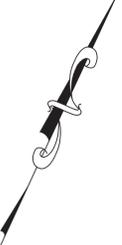
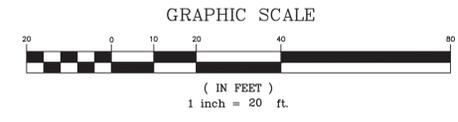
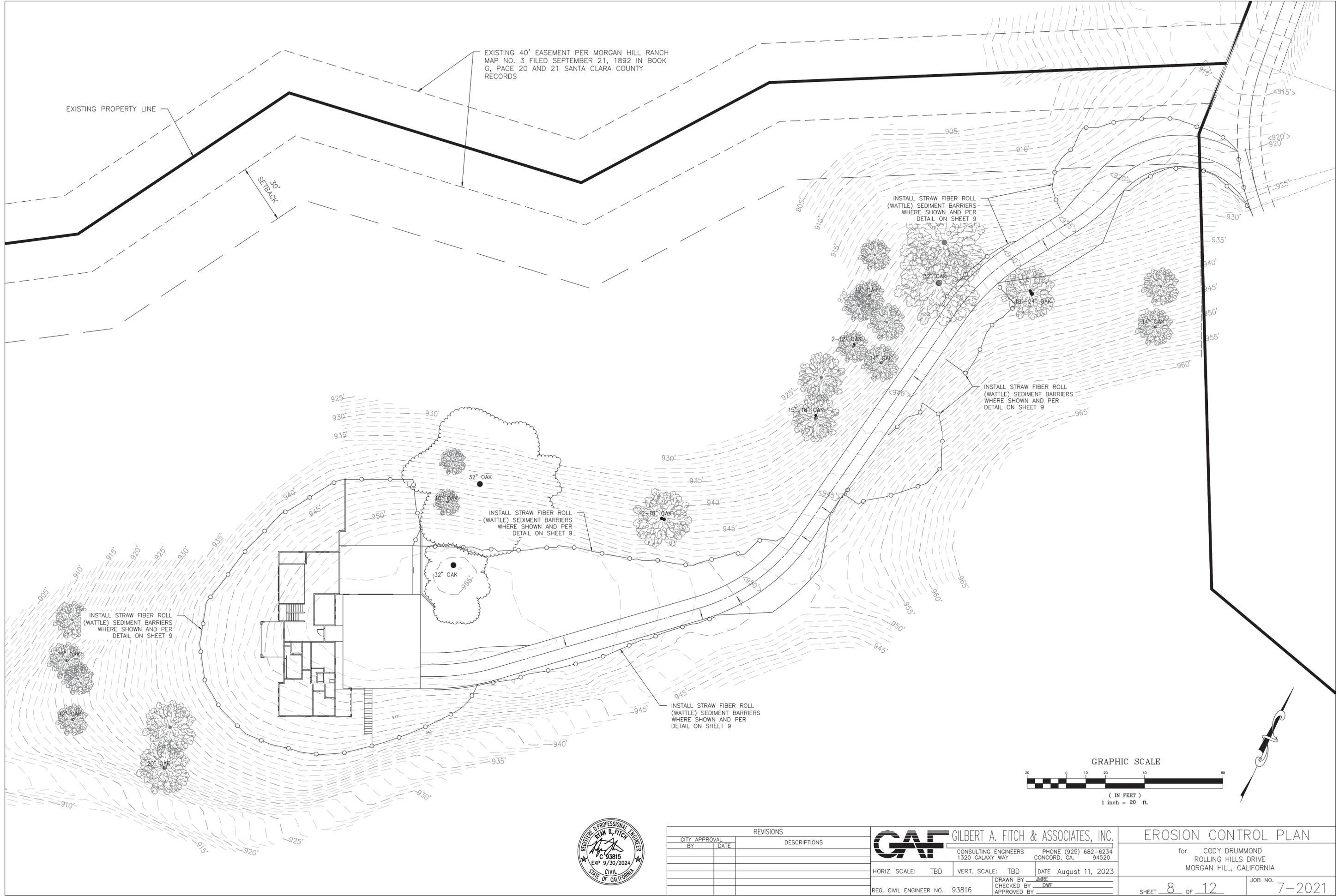
GAF GILBERT A. FITCH & ASSOCIATES, INC.
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PHONE (925) 682-6234 FAX (925) 94520
DATE August 11, 2023
DRAWN BY: JMRE
CHECKED BY: DWF
APPROVED BY: _____
REG. CIVIL ENGINEER NO. 93816

SEPTIC SYSTEM
for CODY DRUMMOND
ROLLING HILLS DRIVE
MORGAN HILL, CALIFORNIA
JOB NO. 7-2021
SHEET 7 OF 12

EXISTING 40' EASEMENT PER MORGAN HILL RANCH
 MAP NO. 3 FILED SEPTEMBER 21, 1892 IN BOOK
 G, PAGE 20 AND 21 SANTA CLARA COUNTY
 RECORDS

EXISTING PROPERTY LINE

30'
 SETBACK



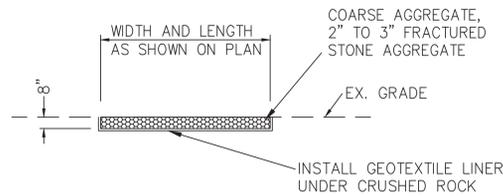
CITY APPROVAL		REVISIONS
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 1320 GALAXY WAY
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HORIZ. SCALE: TBD VERT. SCALE: TBD
 REG. CIVIL ENGINEER NO. 93816
 DRAWN BY: JMR
 CHECKED BY: DWF
 APPROVED BY: _____

EROSION CONTROL PLAN
 for CODY DRUMMOND
 ROLLING HILLS DRIVE
 MORGAN HILL, CALIFORNIA

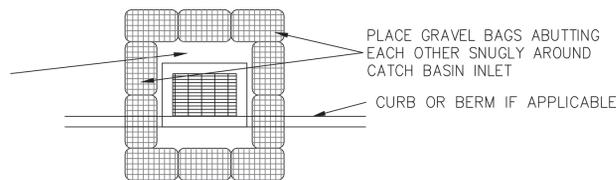
SHEET 8 OF 12 JOB NO. 7-2021



CONSTRUCTION ENTRANCE DETAIL

NO SCALE

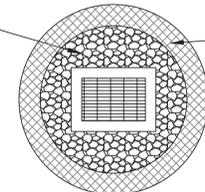
PLACE 4" LAYER OF CRUSHED ROCK IN 1" SIZE AROUND INLET UNLESS STREET IS PAVED OR ROCK BASE IS IN PLACE



GRAVEL BAG SEDIMENT BARRIER FOR CURB INLETS

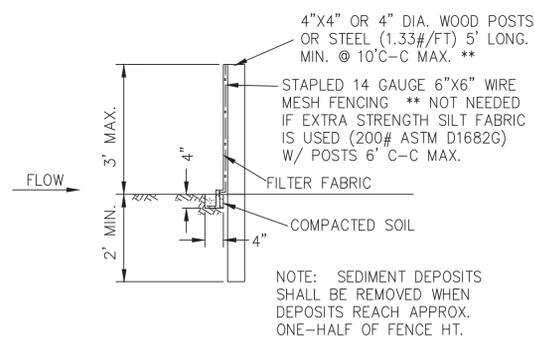
NO SCALE

PLACE 4" LAYER OF CRUSHED ROCK IN 1" SIZE AROUND INLET



STRAW WATTLE SEDIMENT BARRIER FOR FIELD INLETS

NO SCALE

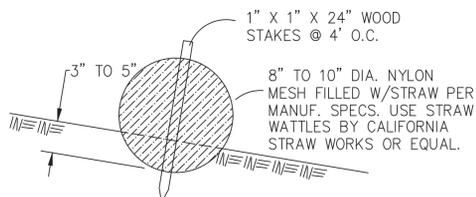


SILT FENCE DETAIL

NO SCALE

NOTE:

1. STRAW ROLL INSTALLATION REQUIRES PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3"-5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.



STRAW FIBER ROLL DETAIL (STRAW WATTLES)

NO SCALE

EROSION CONTROL DETAILS

NO SCALE

EROSION CONTROL NOTES

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE PROVISIONS OF THE ASSOCIATION OF BAY AREA GOVERNMENT'S (ABAG) "A MANUAL OF STANDARDS FOR EROSION AND SEDIMENT CONTROL MEASURES", UNLESS OTHERWISE STATED WITHIN THESE GENERAL NOTES. CONTROL MEASURES ARE SUBJECT TO THE INSPECTION AND APPROVAL OF SANTA CLARA COUNTY.
- BEST MANAGEMENT PRACTICES SHALL BE UTILIZED AT ALL TIMES TO COMPLY WITH SANTA CLARA COUNTY EROSION CONTROL ORDINANCE.
- EXCEPT AS OTHERWISE DIRECTED BY THE INSPECTOR, ALL DEVICES SHOWN ON THE EROSION CONTROL PLAN SHALL BE IN PLACE AT THE END OF EACH WORK DAY AND ALL EROSION CONTROL FACILITIES MUST BE INSPECTED BY THE CITY AT THE END OF EACH WORKING DAY DURING THE RAINY SEASON (OCTOBER 15 TO APRIL 15).
- AFTER OCTOBER 15, ALL EROSION CONTROL MEASURES WILL BE INSPECTED DAILY AND AFTER EACH STORM. BREACHES IN DIKES AND SWALES WILL BE REPAIRED AT THE CLOSE OF EACH DAY AND WHENEVER THERE IS A RAIN FORECAST.
- ALL LOOSE SOIL AND DEBRIS SHALL BE REMOVED FROM THE STREET AREAS UPON STARTING OPERATIONS AND DAILY THEREAFTER OR AS DIRECTED BY THE INSPECTOR. THE SITE SHALL BE MAINTAINED SO AS TO AVOID SEDIMENT LADEN RUNOFF INTO ANY STORM DRAIN SYSTEM.
- AS A PART OF THE EROSION CONTROL MEASURES, UNDERGROUND STORM DRAIN FACILITIES SHALL BE INSTALLED COMPLETE AS SHOWN ON THE IMPROVEMENT PLANS.
- STANDBY CREWS SHALL BE ALERTED BY THE PERMITEE OR CONTRACTOR FOR EMERGENCY WORK DURING RAIN STORMS.
- GRADED AREAS, INCLUDING, BUT NOT LIMITED TO, CUT AND FILL SLOPES, STREETS, PARKING AREAS, AND BUILDING PADS SHALL BE HYDRO-SEEDED PER A.B.A.G. SPECIFICATIONS AND REQUIREMENTS. IN ADDITION TO HYDRO-SEEDING, AN APPLICATION OF STRAW WITH A TACKIFIER OR MULCH MAY BE REQUIRED BY THE COUNTY. SUGGESTED MIX DESIGN AS FOLLOWS:

BROMUS CARINATUS	CALIFORNIA BROME	10 LBS./ACRE
DESCHAMPsia CAESPITOSA	HOLCIFORMUS NCN	4 LBS./ACRE
ELYMUS CLAUCUS	BLUEWILDRYE	8 LBS./ACRE
ELYMUS TRITICOIDES	CREeping WILDRYE	3 LBS./ACRE
KOELERIA MACRANTHA	NCN	4 LBS./ACRE
MELICA CALIFORNICA	WESTERN MELIC GRASS	8 LBS./ACRE
MELICA IMPERFECTA	SMALL FLOWER MELIC	4 LBS./ACRE
STIPA LEPIDA	NEEDLEGRASS	4 LBS./ACRE
TOTAL		45 LBS./ACRE

- ALL GRADING OPERATIONS, OTHER THAN LOT FINISH GRADING, ARE TO BE PERFORMED BEFORE THE RAINY SEASON, OCTOBER 15 THROUGH APRIL 15. AN EROSION CONTROL PLAN MUST BE SUBMITTED BY SEPTEMBER 1, AND APPROVED BY SANTA CLARA COUNTY PRIOR TO THE COMMENCEMENT OF ANY SUCH GRADING OPERATIONS.
- ALL CUT AND FILL, GRADED SLOPES, AND PADS ARE TO BE PROTECTED TO PREVENT OVER BANK FLOW USING 4 INCH EARTH BERMS ON THE PERIMETER AND STRAW/FIBER WATTLES (ROLLS) ON SLOPE AS SHOWN ON THE PLAN.
- BORROW AREAS AND TEMPORARY STOCKPILES SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES TO THE SATISFACTION OF THE COUNTY ENGINEER.
- ALL MATERIALS SPECIFIED IN THIS PLAN SHALL BE STOCKPILED ON SITE BY OCTOBER 1. AND INSTALLED AS SHOWN ON THE EROSION CONTROL PLANS WHEN RAIN IS FORECAST OR WHEN DIRECTED BY THE INSPECTOR.
- GRAVEL BAGS REFERRED TO IN THE PRECEDING ITEMS MUST BE FULL. APPROVED SAND BAG FILL MATERIALS SHALL BE DECOMPOSED GRANITE AND/OR OTHER MATERIALS APPROVED BY THE INSPECTOR.
- WHEN PAD ELEVATIONS OF ADJACENT LOTS OR ELEVATIONS BETWEEN LOT AND STREET ARE SEPARATED BY 6 FEET OR MORE, A MINIMUM 12 INCH BERM SHALL BE MAINTAINED ALONG THE TOP OF PAD AND PROPERTY LINE SEPARATING THE LOTS, AND THE BERM SHALL DIRECT THE WATER TO AN OUTLET.

- AFTER STORM DRAIN, SANITARY SEWER AND UTILITY TRENCHES ARE BACKFILLED AND COMPACTED, THE SURFACES OVER SUCH TRENCHES SHALL BE MOUNDED SLIGHTLY TO PREVENT CHANNELING OF WATER IN THE TRENCH AREA. CARE SHOULD BE EXERCISED TO PROVIDE FOR CROSS FLOW AT FREQUENT INTERVALS WHERE TRENCHES ARE NOT ON THE CENTERLINE OF A CROWNED STREET. TEMPORARILY PAVE ALL TRENCHES IN EXISTING STREETS.
- GRAVEL BAGS, CATCH BASINS AND INLETS SHALL BE CLEANED OUT WHENEVER SEDIMENT REACHES 1/2 INCH IN ELEVATION AGAINST THE BASE OF THE GRAVEL BAG. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN AND SERVICE GRAVEL BAGS, FILTERS, AND SEDIMENT BARRIERS. REPAIR AND/OR REPLACE THEM WHEN THEY DO NOT FUNCTION PROPERLY. AFTER PAVING, ALL CATCH BASINS SHALL BE PROVIDED WITH FOSSIL FILTERS (OR EQUAL PRODUCT) OR AS RECOMMENDED AND/OR REQUIRED BY THIS PLAN.
- NEARBY OFF-SITE INLETS THAT MAY RECEIVE SEDIMENT LADEN WATER SHALL BE PROTECTED.
- REFUELING OF VEHICLES AND EQUIPMENT SHALL BE PROHIBITED WITHIN 100 FEET OF ALL DRAINAGES.
- ALL EQUIPMENT AND VEHICLES SHALL BE CLEAN OF GREASE AND/OR HYDRAULIC LEAKS.
- EROSION CONTROL STRUCTURES SHALL BE ADJUSTED BY THE CONTRACTOR TO REFLECT ALL CHANGES IN DRAINAGE AS STREETS AND BUILDING PADS ARE INSTALLED.
- THE CONTRACTOR SHALL PLACE CRUSHED ROCK AS A GRAVEL ROADWAY (8" MINIMUM THICKNESS FOR THE FULL WIDTH AND 50 FEET IN LENGTH) AT EACH ROAD ENTRANCE TO THE SITE. ANY MUD THAT IS TRACKED ONTO PUBLIC STREETS SHALL BE REMOVED THE SAME DAY.
- ALL MATERIALS SPECIFIED IN THIS PLAN SHALL BE STOCKPILED ON SITE BY OCTOBER 1. AND INSTALLED AS SHOWN ON THE EROSION CONTROL PLANS WHEN RAIN IS FORECAST OR WHEN DIRECTED BY THE INSPECTOR.

LEGEND

- INSTALL STRAW WATTLE SEDIMENT BARRIERS WHERE SHOWN
- INSTALL STRAW WATTLE OR SILT FENCE SEDIMENT BARRIERS WHERE SHOWN
- INSTALL GRAVEL BAG CHECK DAM
- CONSTRUCTION ENTRANCE
- CONSTRUCT COMPACTED EARTH BERM



CITY APPROVAL		REVISIONS	
BY	DATE	DESCRIPTIONS	

GAF GILBERT A. FITCH & ASSOCIATES, INC.

CONSULTING ENGINEERS
1320 GALAXY WAY
HORIZ. SCALE: TBD VERT. SCALE: TBD DATE August 11, 2023

PHONE (925) 682-6234
CONCORD, CA. 94520

DRAWN BY: JMRE
CHECKED BY: DWF
APPROVED BY: _____

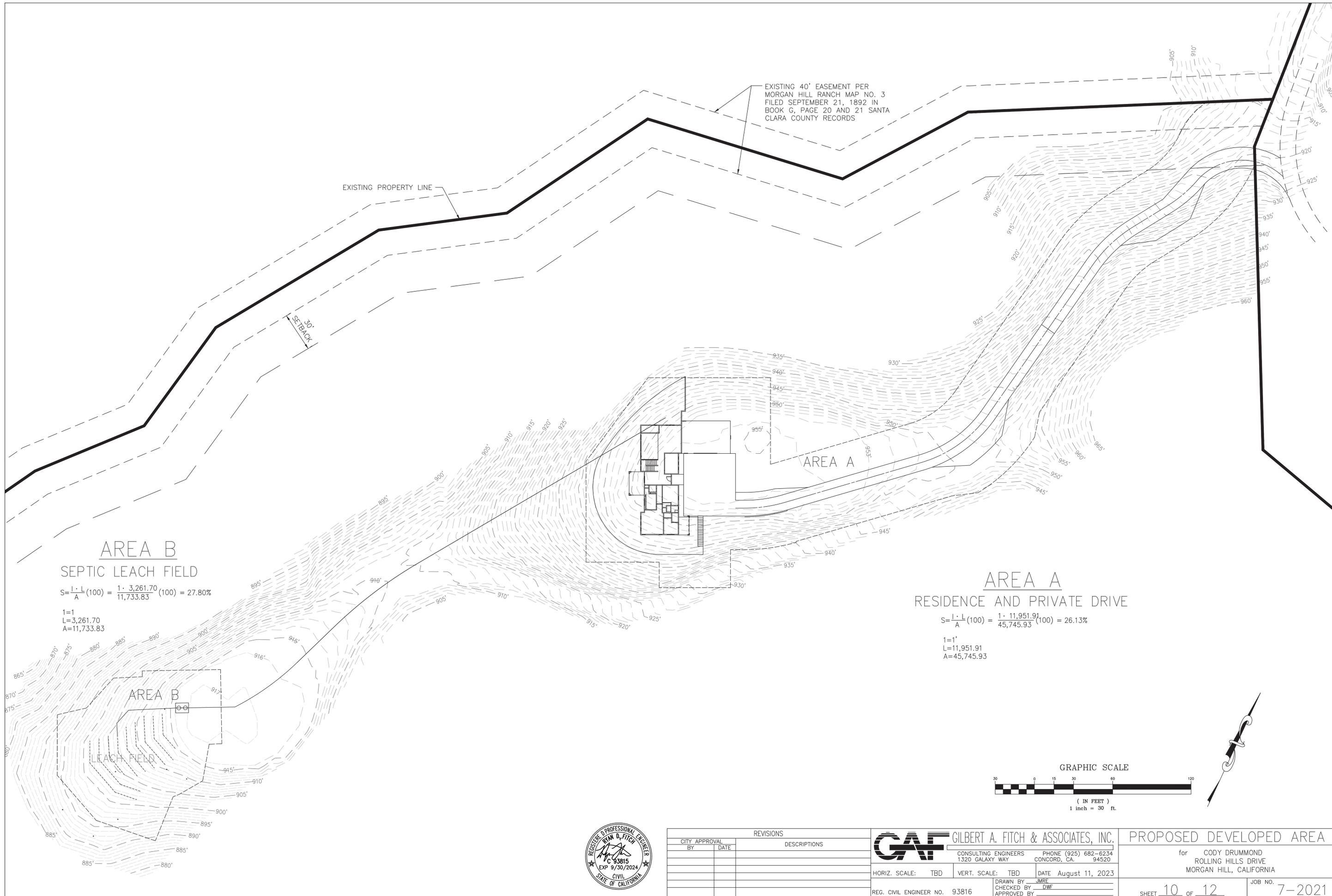
REG. CIVIL ENGINEER NO. 93816

EROSION CONTROL NOTES & DETAILS

for CODY DRUMMOND
ROLLING HILLS DRIVE
MORGAN HILL, CALIFORNIA

SHEET 9 OF 12

JOB NO. 7-2021



EXISTING 40' EASEMENT PER
MORGAN HILL RANCH MAP NO. 3
FILED SEPTEMBER 21, 1892 IN
BOOK G, PAGE 20 AND 21 SANTA
CLARA COUNTY RECORDS

EXISTING PROPERTY LINE

30'
SETBACK

AREA B
SEPTIC LEACH FIELD

$$S = \frac{L \cdot L}{A} (100) = \frac{1 \cdot 3,261.70}{11,733.83} (100) = 27.80\%$$

1=1
L=3,261.70
A=11,733.83

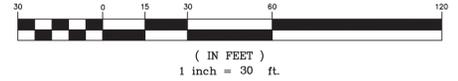
AREA A

AREA A
RESIDENCE AND PRIVATE DRIVE

$$S = \frac{L \cdot L}{A} (100) = \frac{1 \cdot 11,951.91}{45,745.93} (100) = 26.13\%$$

1=1'
L=11,951.91
A=45,745.93

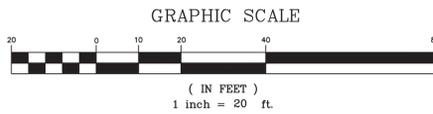
GRAPHIC SCALE



REVISIONS		
CITY APPROVAL BY	DATE	DESCRIPTIONS

GAF GILBERT A. FITCH & ASSOCIATES, INC.
CONSULTING ENGINEERS 1320 GALAXY WAY
PHONE (925) 682-6234 CONCORD, CA. 94520
HORIZ. SCALE: TBD VERT. SCALE: TBD DATE August 11, 2023
DRAWN BY: JMRE CHECKED BY: DWF APPROVED BY: _____
REG. CIVIL ENGINEER NO. 93816

PROPOSED DEVELOPED AREA
for CODY DRUMMOND
ROLLING HILLS DRIVE
MORGAN HILL, CALIFORNIA
SHEET 10 OF 12 JOB NO. 7-2021



REVISIONS		
CITY APPROVAL BY	DATE	DESCRIPTIONS

GAF GILBERT A. FITCH & ASSOCIATES, INC.

CONSULTING ENGINEERS
1320 GALAXY WAY
CONCORD, CA. 94520

PHONE (925) 682-6234
94520

HORIZ. SCALE: TBD VERT. SCALE: TBD DATE August 11, 2023

REG. CIVIL ENGINEER NO. 93816

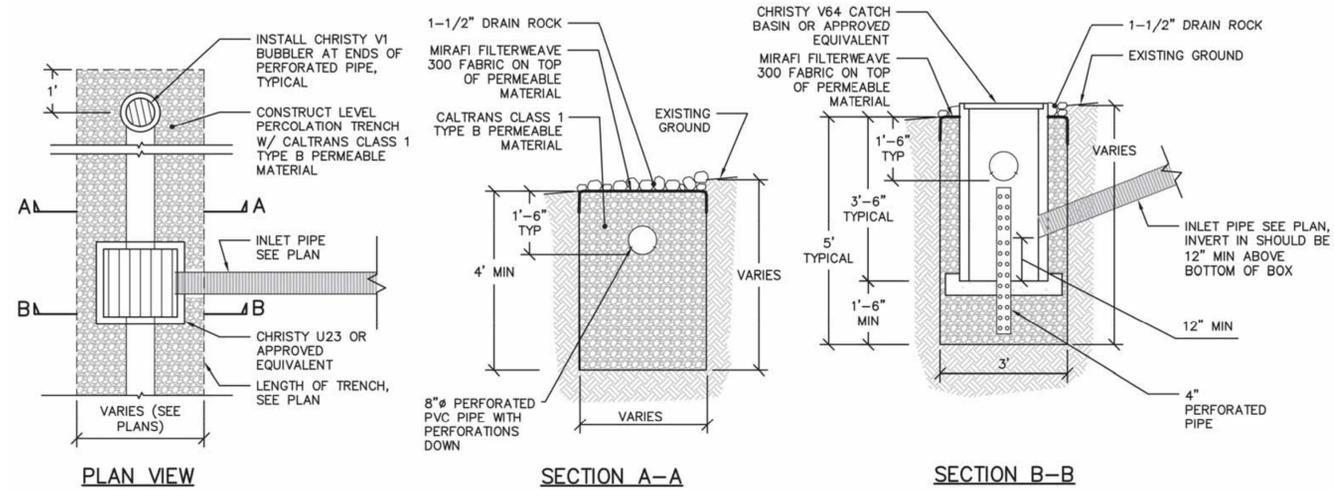
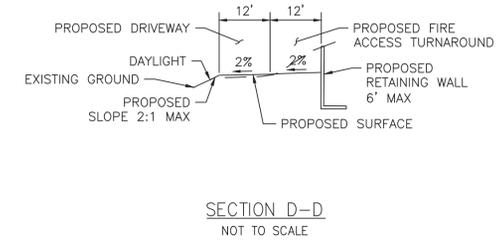
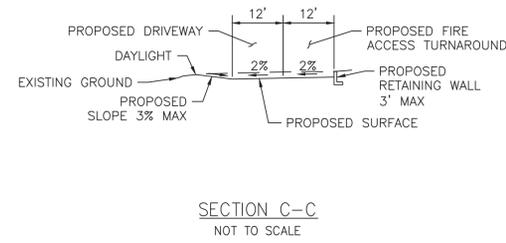
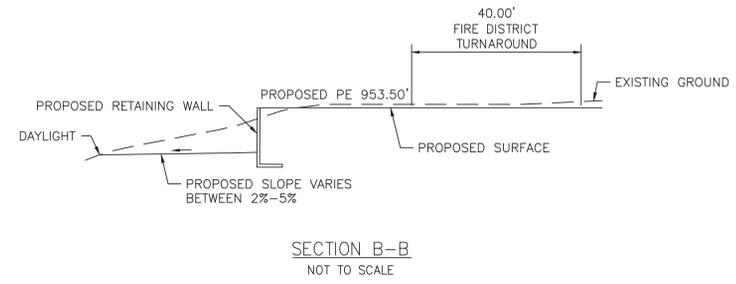
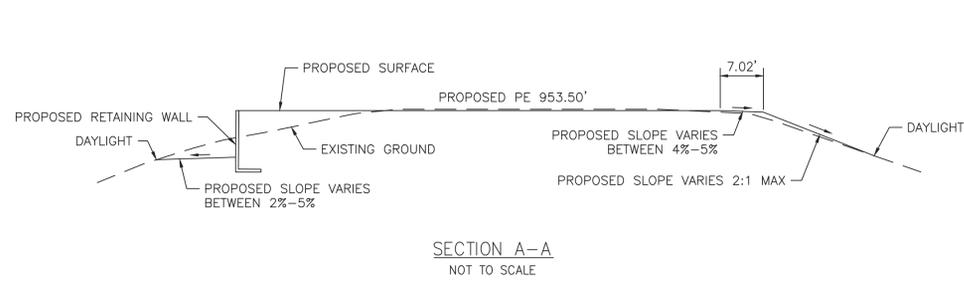
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CHECKED BY: DWF
APPROVED BY: _____

WATER SYSTEM

for CODY DRUMMOND
ROLLING HILLS DRIVE
MORGAN HILL, CALIFORNIA

SHEET 11 OF 12

JOB NO. 7-2021



RETENTION AND DETENTION TRENCH DETAIL
SCALE: 1/2" = 1'-0"



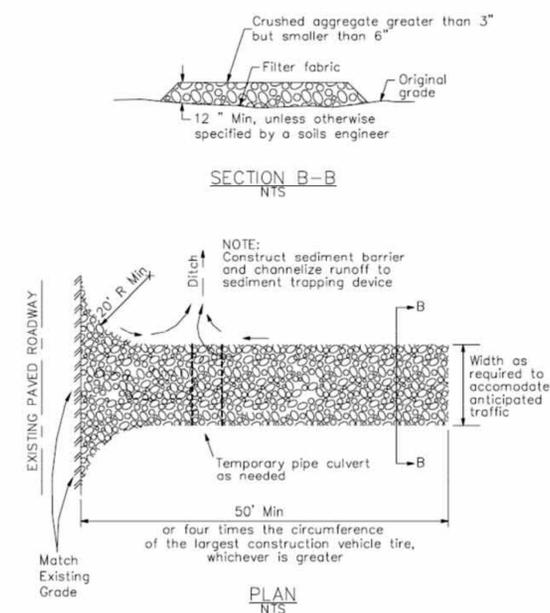
CITY APPROVAL		REVISIONS
BY	DATE	

GAF GILBERT A. FITCH & ASSOCIATES, INC.
 CONSULTING ENGINEERS 1320 GALAXY WAY CONCORD, CA. 94520
 PHONE (925) 682-6234 94520
 DATE August 11, 2023
 DRAWN BY: JMRE
 CHECKED BY: DWF
 APPROVED BY: _____
 REG. CIVIL ENGINEER NO. 93816

SECTIONS AND DETAILS	
for CODY DRUMMOND ROLLING HILLS DRIVE MORGAN HILL, CALIFORNIA	
SHEET 12 OF 12	JOB NO. 7-2021

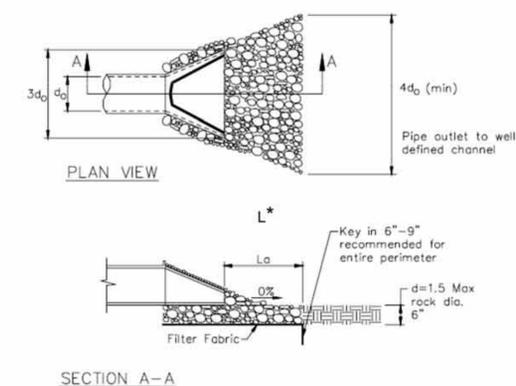
3 Stabilized Construction Entrance/Exit

CASQA Detail TC-1



4 Velocity Dissipation Devices

CASQA Detail EC-10

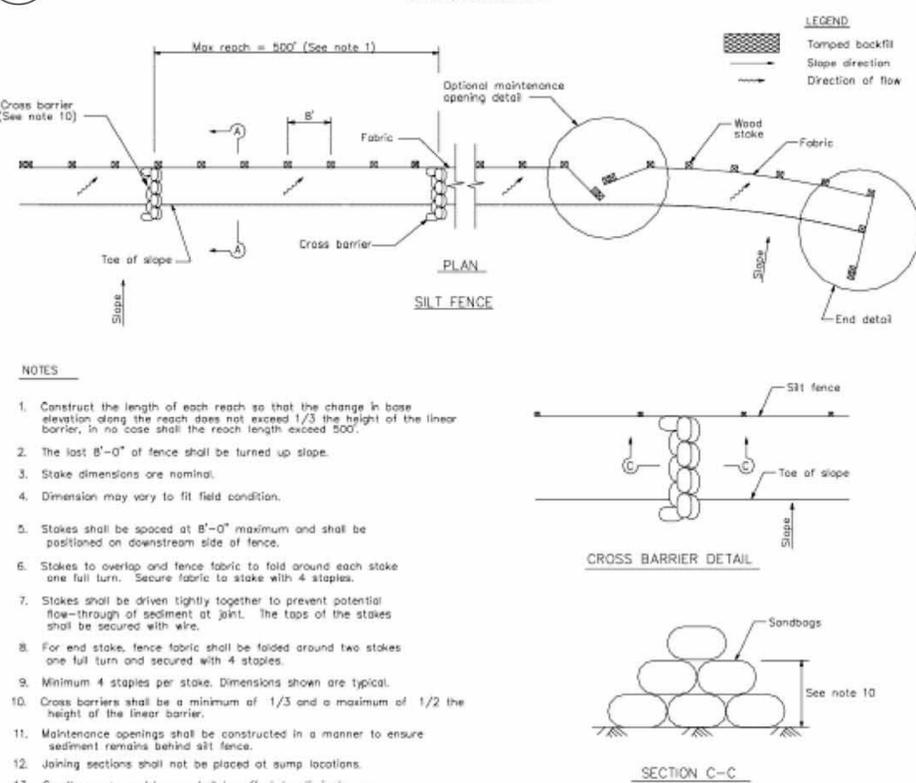


* Length per ABAG Design Standards

Source for Graphics: California Stormwater BMP Handbook, California Stormwater Quality Association, January 2003. Available from www.cabmphandbooks.com.

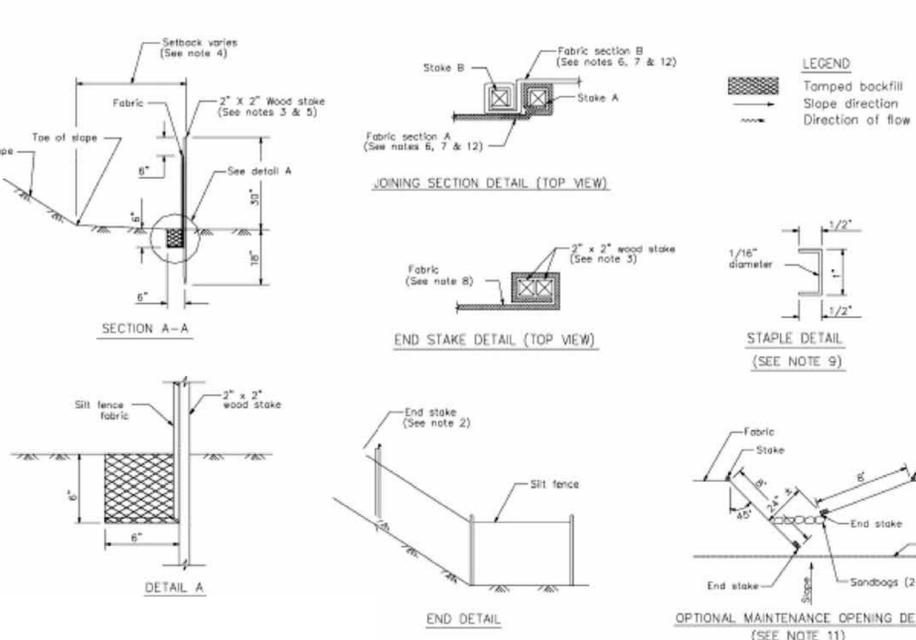
1 Silt Fence

CASQA Detail SE-1



2 Silt Fence

CASQA Detail SE-1



STANDARD BEST MANAGEMENT PRACTICE NOTES

- Solid and Demolition Waste Management:** Provide designated waste collection areas and containers on site away from streets, gutters, storm drains, and waterways, and arrange for regular disposal. Waste containers must be watertight and covered at all times except when waste is deposited. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C3) or latest.
- Hazardous Waste Management:** Provide proper handling and disposal of hazardous wastes by a licensed hazardous waste material hauler. Hazardous wastes shall be stored and properly labeled in sealed containers constructed of suitable materials. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-5 to C-6) or latest.
- Spill Prevention and Control:** Provide proper storage areas for liquid and solid materials, including chemicals and hazardous substances, away from streets, gutters, storm drains, and waterways. Spill control materials must be kept on site where readily accessible. Spills must be cleaned up immediately and contaminated soil disposed properly. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-7 to C-8, C-13 to C-14) or latest.
- Vehicle and Construction Equipment Service and Storage:** An area shall be designated for the maintenance, where on-site maintenance is required, and storage of equipment that is protected from stormwater run-on and runoff. Measures shall be provided to capture any waste oils, lubricants, or other potential pollutants and these wastes shall be properly disposed of off site. Fueling and major maintenance/repair, and washing shall be conducted off-site whenever feasible. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C9) or latest.
- Material Delivery, Handling and Storage:** In general, materials should not be stockpiled on site. Where temporary stockpiles are necessary and approved by the County, they shall be covered with secured plastic sheeting or tarp and located in designated areas near construction entrances and away from drainage paths and waterways. Barriers shall be provided around storage areas where materials are potentially in contact with runoff. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-11 to C-12) or latest.
- Handling and Disposal of Concrete and Cement:** When concrete trucks and equipment are washed on-site, concrete wastewater shall be contained in designated containers or in a temporary lined and watertight pit where wasted concrete can harden for later removal. If possible have concrete contractor remove concrete wash water from site. In no case shall fresh concrete be washed into the road right-of-way. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-15 to C-16) or latest.
- Pavement Construction Management:** Prevent or reduce the discharge of pollutants from paving operations, using measures to prevent run-on and runoff pollution and properly disposing of wastes. Avoid paving in the wet season and reschedule paving when rain is in the forecast. Residue from saw-cutting shall be vacuumed for proper disposal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-17 to C-18) or latest.
- Contaminated Soil and Water Management:** Inspections to identify contaminated soils should occur prior to construction and at regular intervals during construction. Remediating contaminated soil should occur promptly after identification and be specific to the contaminant identified, which may include hazardous waste removal. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages C-19 to C-20) or latest.
- Sanitary/Septic Water Management:** Temporary sanitary facilities should be located away from drainage paths, waterways, and traffic areas. Only licensed sanitary and septic waste haulers should be used. Secondary containment should be provided for all sanitary facilities. Refer to Erosion & Sediment Control Field Manual, 4th Edition (page C-21) or latest.
- Inspection & Maintenance:** Areas of material and equipment storage sites and temporary sanitary facilities must be inspected weekly. Problem areas shall be identified and appropriate additional and/or alternative control measures implemented immediately, within 24 hours of the problem being identified.

STANDARD EROSION CONTROL NOTES

- Sediment Control Management:**
 - Tracking Prevention & Clean Up:** Activities shall be organized and measures taken as needed to prevent or minimize tracking of soil onto the public street system. A gravel or proprietary device construction entrance/exit is required for all sites. Clean up of tracked material shall be provided by means of a street sweeper prior to an approaching rain event, or at least once at the end of each workday that material is tracked, or, more frequently as determined by the County Inspector. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages B-31 to B-33) or latest.
 - Storm Drain Inlet and Catch Basin Inlet Protection:** All inlets within the vicinity of the project and within the project limits shall be protected with gravel bags placed around inlets or other inlet protection. At locations where exposed soils are present, staked fiber rolls or staked silt fences can be used. Inlet filters are not allowed due to clogging and subsequent flooding. Refer to Erosion & Sediment Control Field Manual, 4th Edition (pages B-49 to B-51) or latest.
 - Storm Water Runoff:** No storm water runoff shall be allowed to drain in to the existing and/or proposed underground storm drain system or other above ground watercourses until appropriate erosion control measures are fully installed.
 - Dust Control:** The contractor shall provide dust control in graded areas as required by providing wet suppression or chemical stabilization of exposed soils, providing for rapid clean up of sediments deposited on paved roads, furnishing construction road entrances and vehicle wash down areas, and limiting the amount of areas disturbed by clearing and earth moving operations by scheduling these activities in phases.
 - Stockpiling:** Excavated soils shall not be placed in streets or on paved areas. Borrow and temporary stockpiles shall be protected with appropriate erosion control measures (tarps, straw bales, silt fences, etc.) to ensure silt does not leave the site or enter the storm drain system or neighboring watercourse.
- Erosion Control:** During the rainy season, all disturbed areas must include an effective combination of erosion and sediment control. It is required that temporary erosion control measures are applied to all disturbed soil areas prior to a rain event. During the non-rainy season, erosion control measures must be applied sufficient to control wind erosion at the site.
- Inspection & Maintenance:** Disturbed areas of the Project's site, locations where vehicles enter or exit the site, and all erosion and sediment controls that are identified as part of the Erosion Control Plans must be inspected by the Contractor before, during, and after storm events, and at least weekly during seasonal wet periods. Problem areas shall be identified and appropriate additional and/or alternative control measures implemented immediately, within 24 hours of the problem being identified.
- Project Completion:** Prior to project completion and signoff by the County Inspector, all disturbed areas shall be reseeded, planted, or landscaped to minimize the potential for erosion on the subject site.
- It shall be the Owner's/Contractor's responsibility to maintain control of the entire construction operation and to keep the entire site in compliance with the erosion control plan.
- Erosion and sediment control best management practices shall be operable year round or until vegetation is fully established on landscaped surfaces.

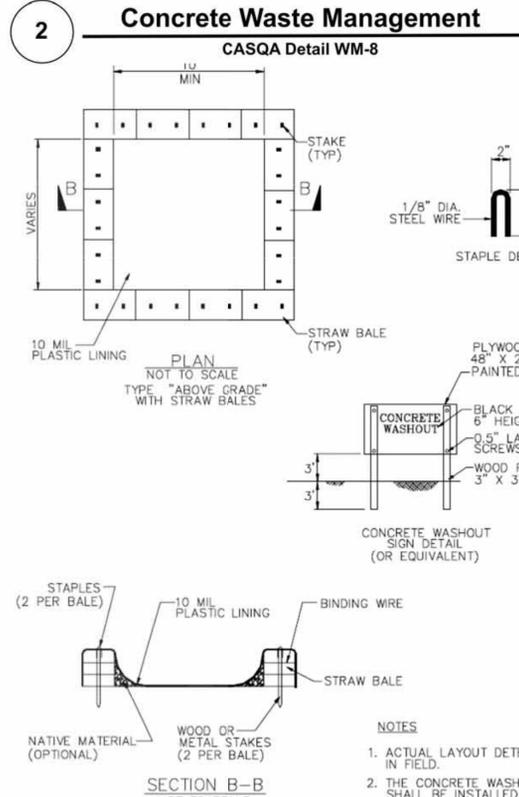
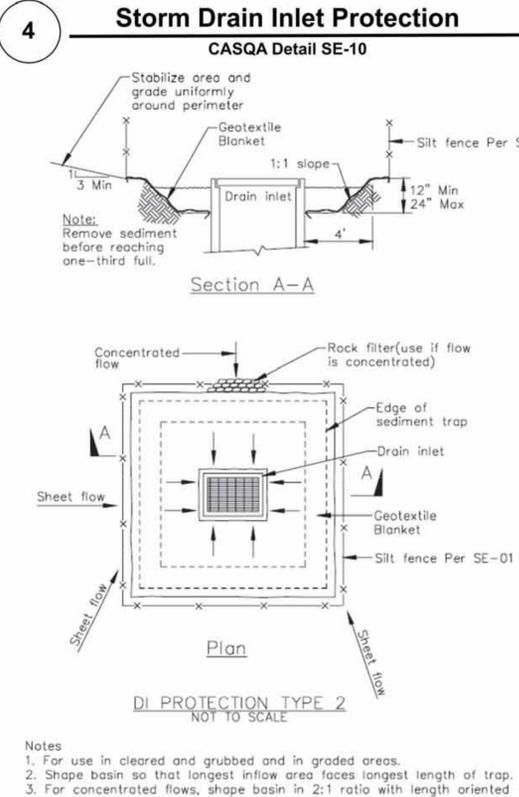
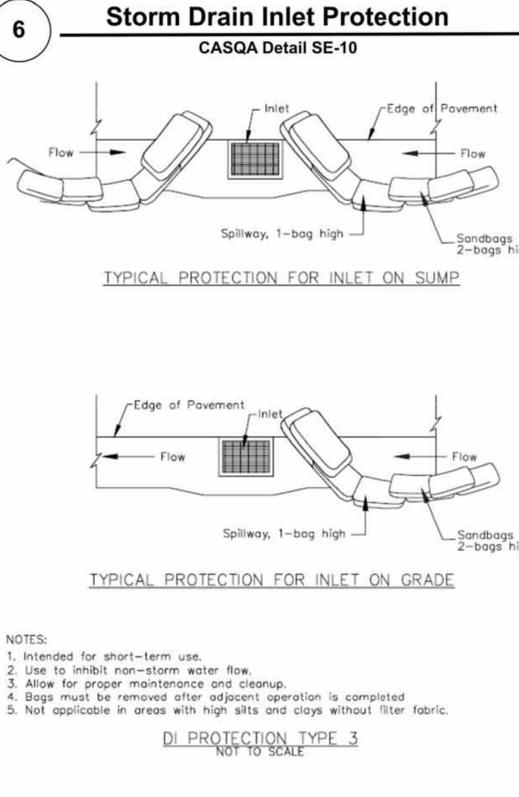
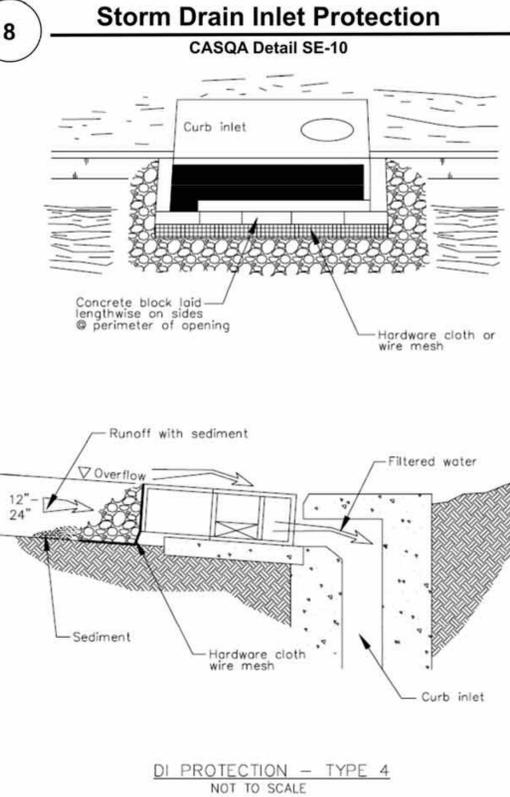
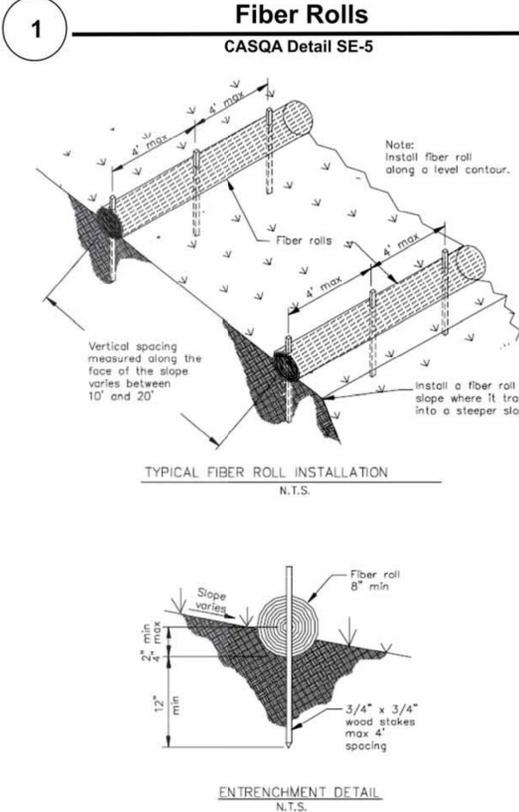
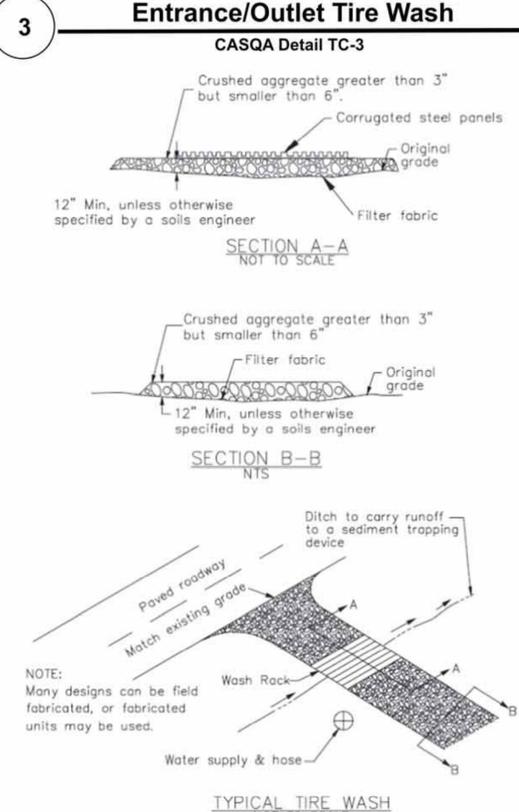
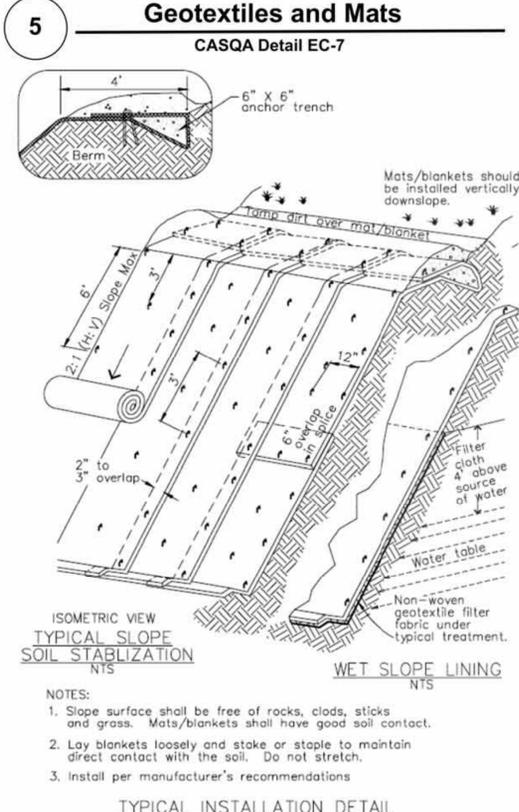
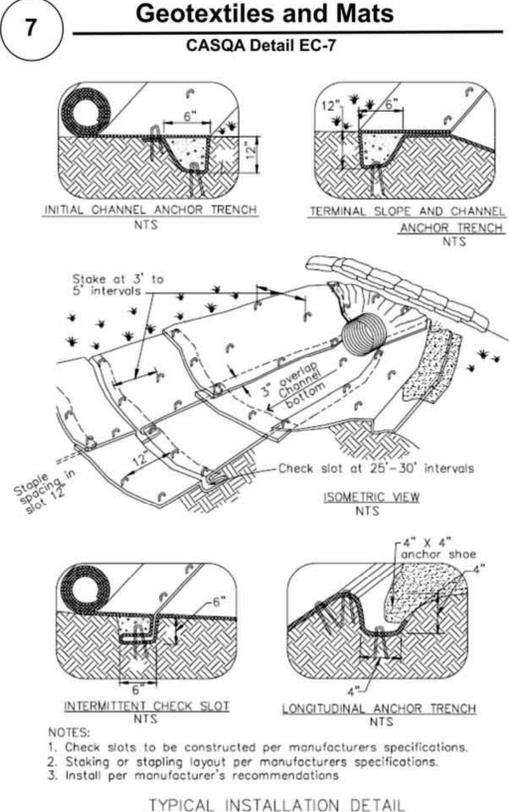
PROJECT NAME:
NEW DRUMMOND
FAMILY SINGLE
RESIDENCE

CODY DRUMMOND
PROPERTY OWNER
CODY@DASPOOLS.COM
408-661-3195

ROLLING HILLS DRIVE
MORGAN HILL, CA. 95037
APN: 764-04-007

DRAWING RECORD	
DESCRIPTION	ISSUED
SUBMITTAL	06-28-2022





PROJECT NAME:
NEW DRUMMOND
FAMILY SINGLE
RESIDENCE

CODY DRUMMOND
PROPERTY OWNER
CODY@DASPOOLS.COM
408-661-3195

ROLLING HILLS DRIVE
MORGAN HILL, CA. 95037
APN: 764-04-007

DRAWING RECORD	
DESCRIPTION	ISSUED
SUBMITTAL	06-28-2022

Source for Graphics: California Stormwater BMP Handbook, California Stormwater Quality Association, January 2003. Available from www.cabmphandbooks.com.



File: 221239
August 6, 2021

Mr. and Mrs. Drummond
1997 McKean Road
San Jose, CA 95120

REVIEWED

By Jeff Camp at 1:17 pm, Jul 26, 2022

Subject: **Drummond Property
2295 Rolling Hills Road
Morgan Hill, California
LEACH FIELD INVESTIGATION**

Mr. and Mrs. Drummond:

This report has been prepared to address the geotechnical aspects of the proposed leach field construction on your property off 2295 Rolling Hills Road (approximate location as shown on Figure 3). We understand that the new leach field is proposed on the nose of a roughly east-west trending ridge line to the northwest of Chesbro Reservoir. As the grades in the area of the proposed leach field range from 17 to 24 percent, Santa Clara County requires a geotechnical investigation to assess the potential slope stability hazards for the proposed leachfield area.

Investigation

In order for us to address the potential stability of the slopes, we have performed the following scope of investigation:

- 1 – visited the site to observe the geotechnically relevant site conditions;
- 2 – reviewed published geologic maps;
- 3 – reviewed historical photographic images;
- 4 – observed several percolation pits excavated in the leach field area; and,
- 5 – reviewed logs of test pits excavated on the level pad above the leach field.

The findings of this work are discussed in the following sections of this report.

Site Description

The proposed leach field will be constructed off the end of an oval graded pad on a secondary crest of a generally southwest-northeast trending ridge line. The graded pad has a couple of moderately aged oak trees and a sparse covering of native grasses.

The leach field is to be located off the southwestern end of the pad where the ridge line continues down towards the reservoir. The dispersal trenches will consist of infiltrator chambers embedded roughly 5.5 feet below existing grades across the nose of the ridgeline (as indicated on Figure 1). The axis of the ridge (where the field is proposed) has a slope gradient ranging from 17 to 24 percent. However, the side slopes of the ridge line are steeper, with gradients ranging from 50 percent (southeast face) to 68 percent (northwest face).

The ground surface in the area of the leach field is covered by low scrub bushes and native grasses. There were no signs of water loving plants in the vicinity of the leach field or graded pad to suggest significant sources of ground water.

Geologic Map Review

We reviewed the *Geologic Map of the Mount Maddona Quadrangle, Santa Clara and Santa Cruz Counties, California: Dibblee Geological Foundation, Dibblee Foundation Map DF-178, scale 1:24,000*, by T.W. Dibblee and J.A. Minch (2005), and the *State of California Earthquake Zones of Required Investigation: Mt. Madonna Quadrangle*. The relevant portion of the Dibblee & Minch map is reproduced in Figure 4. The Earthquake Zone of Required Investigation map indicated that the site area has not yet been mapped.

The Dibblee and Minch map indicates that the site is underlain by Franciscan Greenstone, map symbol "fg". These materials are described as "greenish black, weathered dark brown, massive, amorphous, contains calcite veinlets locally, includes lenses of light gray limestone".

Aerial Photographs

We reviewed several aerial images from Google Earth spanning the period between 1993 and 2020. While the site vicinity appears generally to have remained unchanged during this time frame, the 2017 photo indicates that there was some localized surface sloughing of the slope materials approximately 250 feet downslope of the proposed leachfield area. The roughly 30 by 50 foot swath of mobilized soils is located in a secondary swale area above a cut for a graded roadway (dirt) which runs across the hillside.

Investigatory Pits

As noted above, we have observed the pits for the percolation testing recently completed at the site, along with reviewing logs of borings from a 2010 investigation of the site area by Friar Associates.

Our observations of the percolation pits indicated that the ridge line area is underlain by about a foot of silty gravelly sand in a medium dense condition, underlain by either weathered Greenstone bedrock. The bedrock took the form of fractured rock pieces with some sands between the hard fractured rock pieces. The materials looked to be intact and unaffected by previous slope movements.

The test pits by Friar generally encountered thin veneers of gravelly silty sand over sandstone or greenstone bedrock. At the edges of the graded pads, these materials had been used to extend the pads as non-engineered fills in some locations. The fills were less than 5 feet thick where encountered.

Conclusions

The proposed leachfield will be located across the nose of a resistant ridgeline underlain at shallow depth by permeable fractured bedrock. As demonstrated by the high percolation rates, these materials should provide a good location in which to dispose of effluent.

File: 221239
August 6, 2021

Although the leachfield will be located in an area with very gentle slope gradients (17 to 24%), the leach field will be proximate to slopes with gradients between 50 and 68 percent. Therefore, we recommend that the leach lines be set back a minimum of 15 feet from slopes in excess of 50%.

Based upon our investigation, it is our opinion that the proposed leachfield constructed in conformance with the project REHS design and the above setbacks, is unlikely to destabilize the hillside slopes, degrade water quality, create a public nuisance, allow effluent to surface downslope, or present a threat to the public health or safety.

Should you have any questions please contact the undersigned.

Respectfully Submitted:
GeoForensics, Inc.



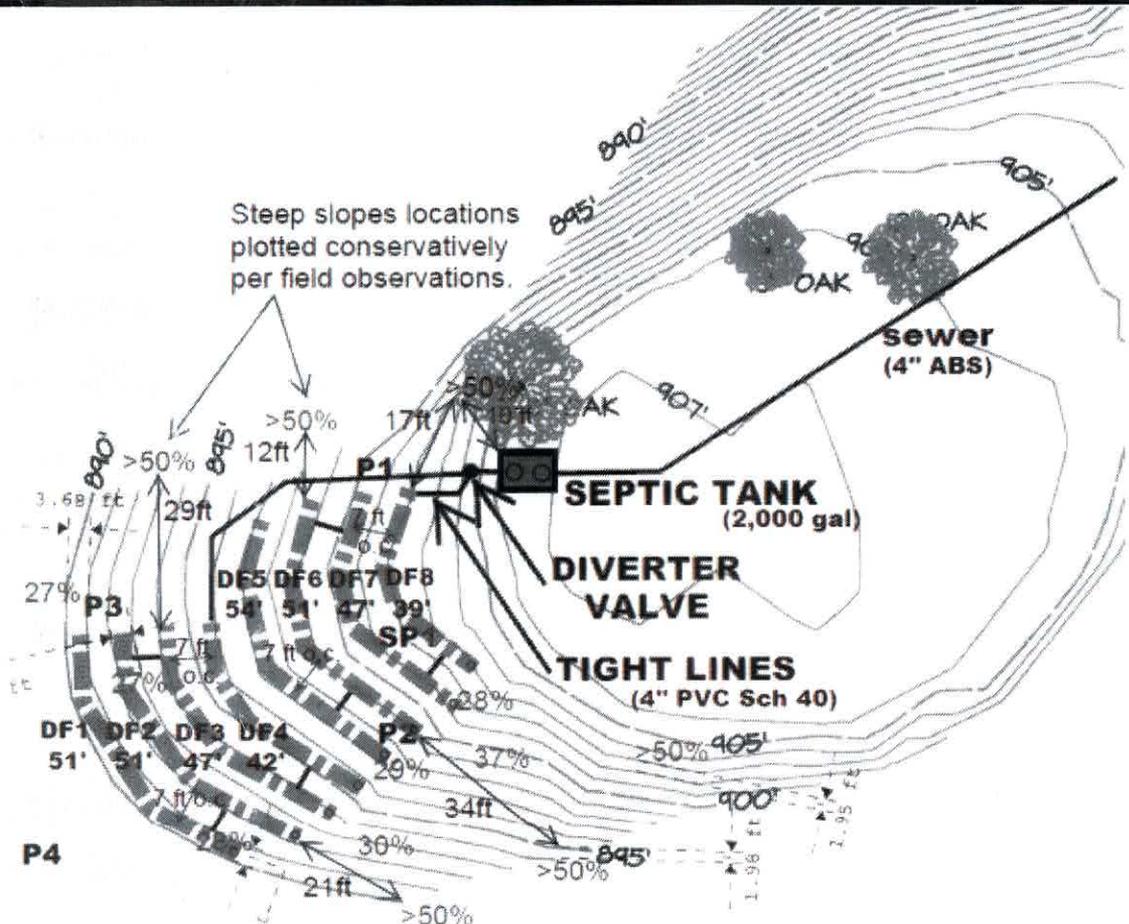
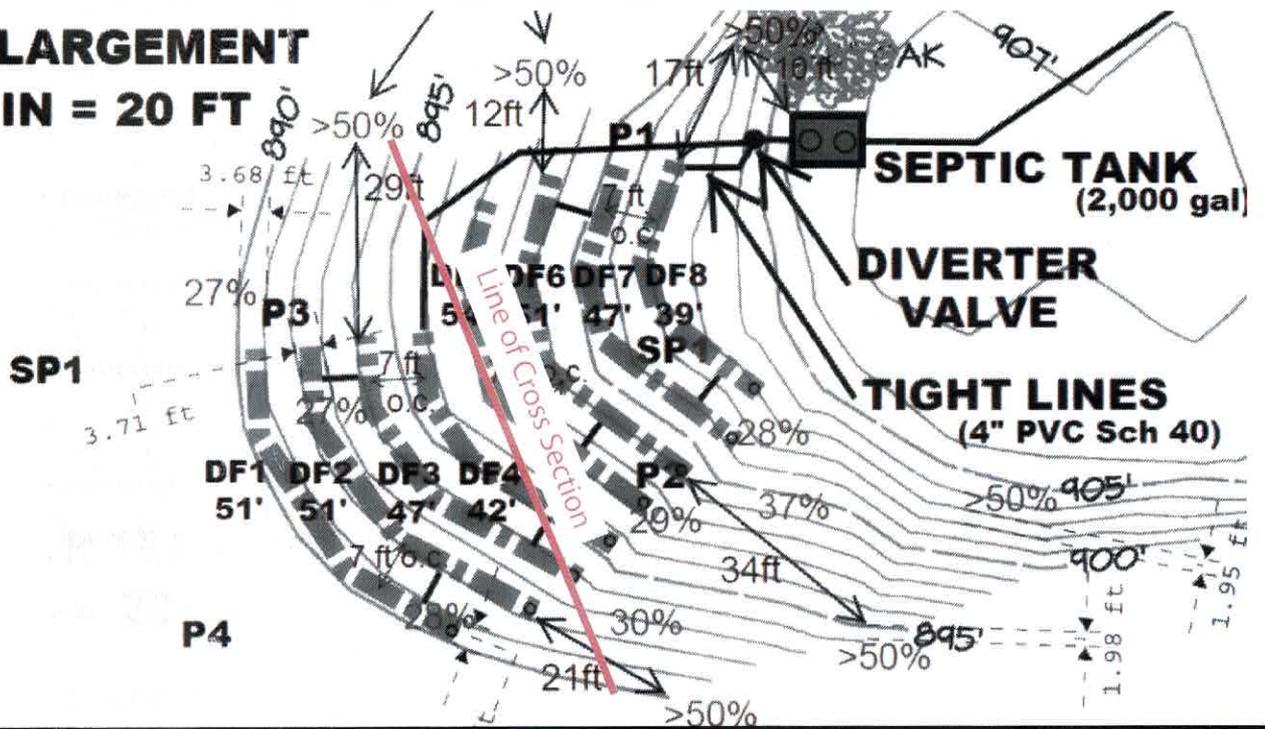
Daniel F. Dyckman, PE, GE
Senior Geotechnical Engineer, GE 2145



Email cc: 1 to addressee

REVIEWED
By Jeff Camp at 1:17 pm, Jul 26, 2022

ENLARGEMENT
1 IN = 20 FT



Base: Christopher Day, REHS

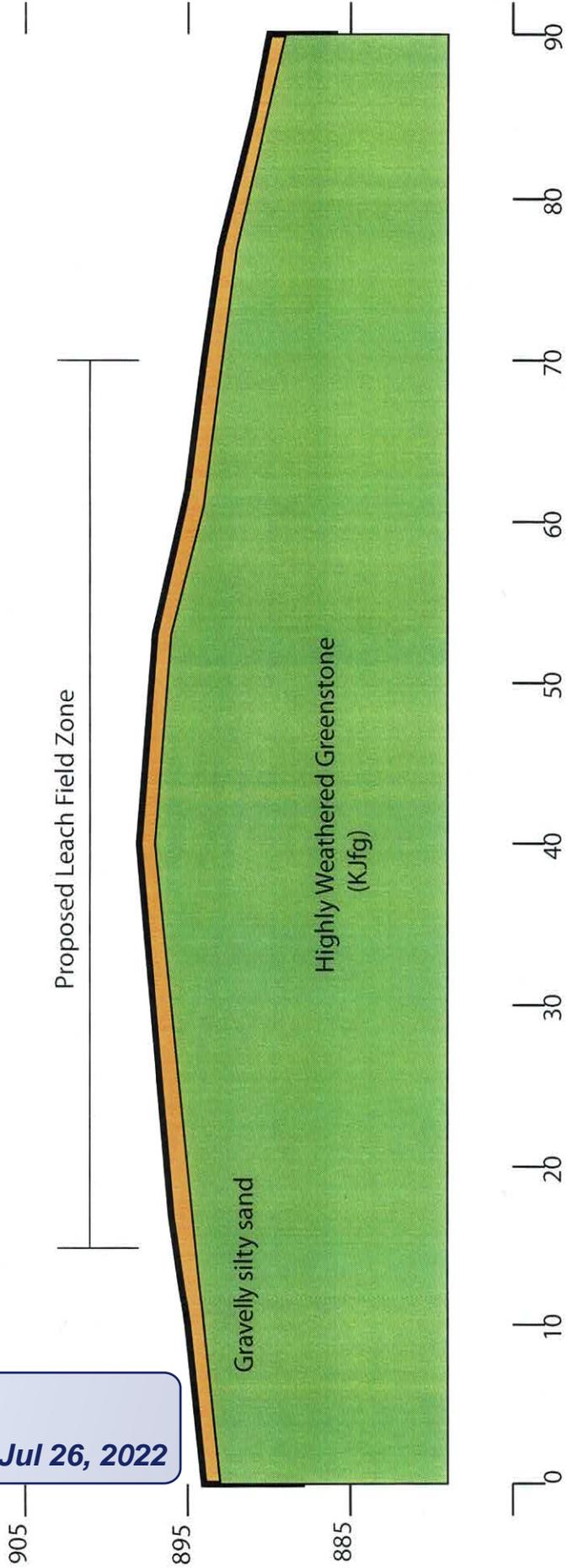
GEOFORENSICS, INC.

303 Vintage Park Dr., #220, Foster City, CA 94404
 Tel: (650) 349-3369 Fax: (650) 571-1878

Figure 1 - Leach Field Topography

REVIEWED
 By Jeff Camp at 1:18 pm, Jul 26, 2022

REVIEWED
By Jeff Camp at 1:18 pm, Jul 26, 2022



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303 Vintage Park Dr., #220, Foster City, CA 94404
Tel: (650) 349-3369 Fax: (650) 571-1878

Figure 2 - Geotechnical Section at Leach Field



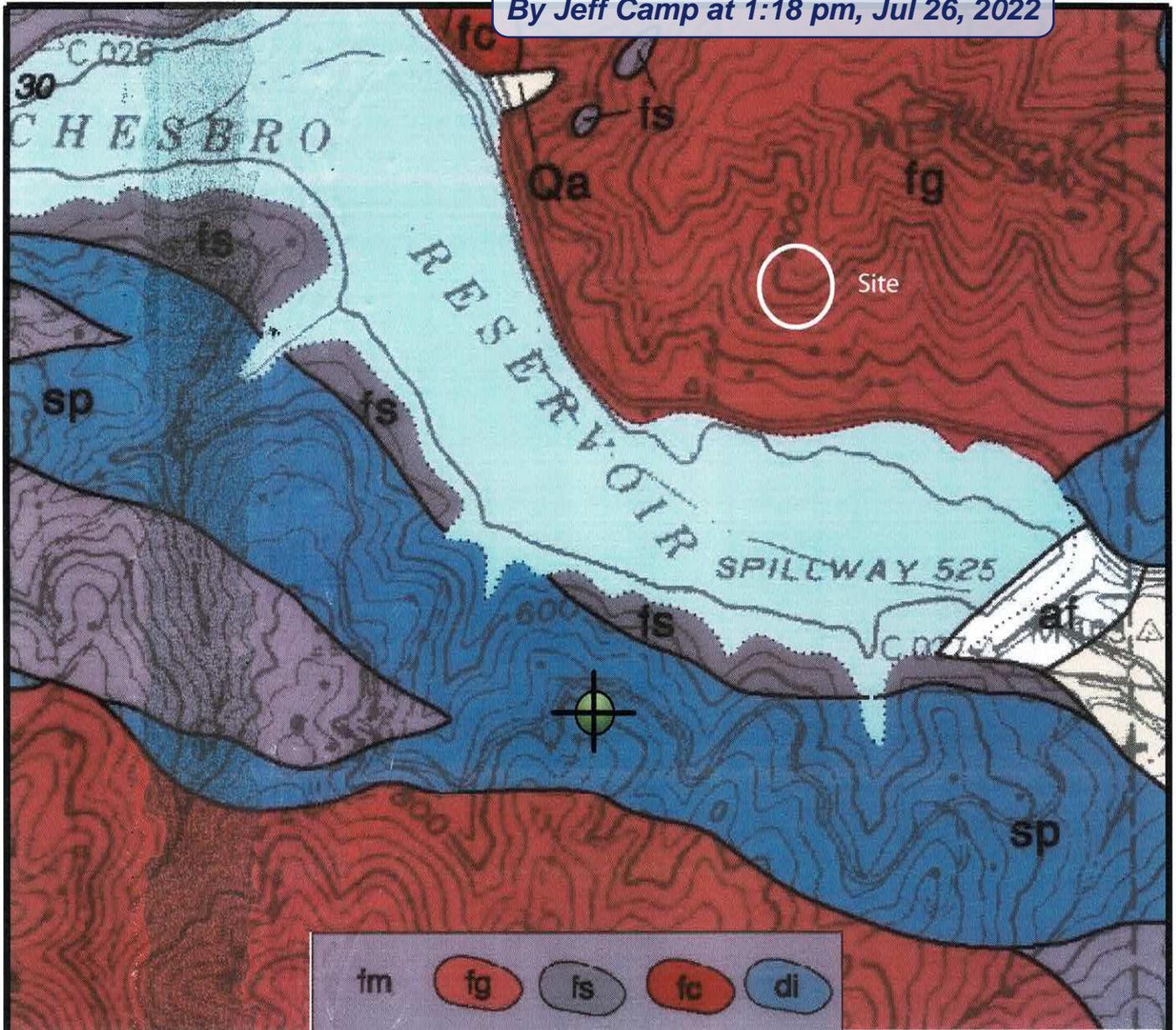
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By Jeff Camp at 1:18 pm, Jul 26, 2022

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Figure 3 - Proposed Leach Field Location



FRANCISCAN ASSEMBLAGE

Submetamorphosed eugeosynclinal sedimentary and mafic igneous rocks, marine clastic, lithified; age late Jurassic and Cretaceous

fm Melange (mixture) of mostly dark gray claystone, pervasively sheared, and graywacke or metagraywacke, gray, massive, fine grained, hard but fractured, brecciated and sheared, contains numerous tectonic fragments of mostly graywacke (**fs**) and others of chert or metachert (**fc**), greenstone (**fg**) and limestone (**li**)

fs Graywacke or metagraywacke sandstone, gray, fine grained, massive to bedded, hard but fractured, locally includes gray claystone

fg Greenstone (metabasalt), greenish black, weathered dark brown, massive, amorphous, contains calcite veinlets locally, includes lenses of light gray limestone (**li**), mostly massive, fine grained

Source: Geologic Map of the Mt. Maddona Quadrangle - Dibblee & Minch 2005

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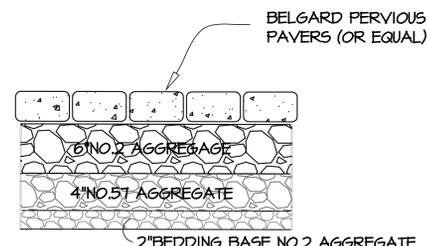
303 Vintage Park Dr., #220, Foster City, CA 94404

Tel: (650) 349-3369 Fax: (650) 571-1878

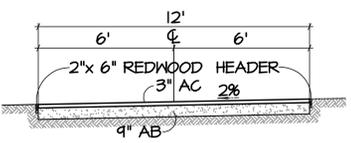
Figure 4 - Geologic Map

NOTE
 CONSTRUCTION ENTRANCE
 MIN. 40 FT. LONG USING MIN. 8"
 THICK LAYER CRUSHED ROCK IN
 1" TO 3" SIZE.
 SEE CONSTRUCTION ENTRANCE
 PER DETAIL SHEET 9

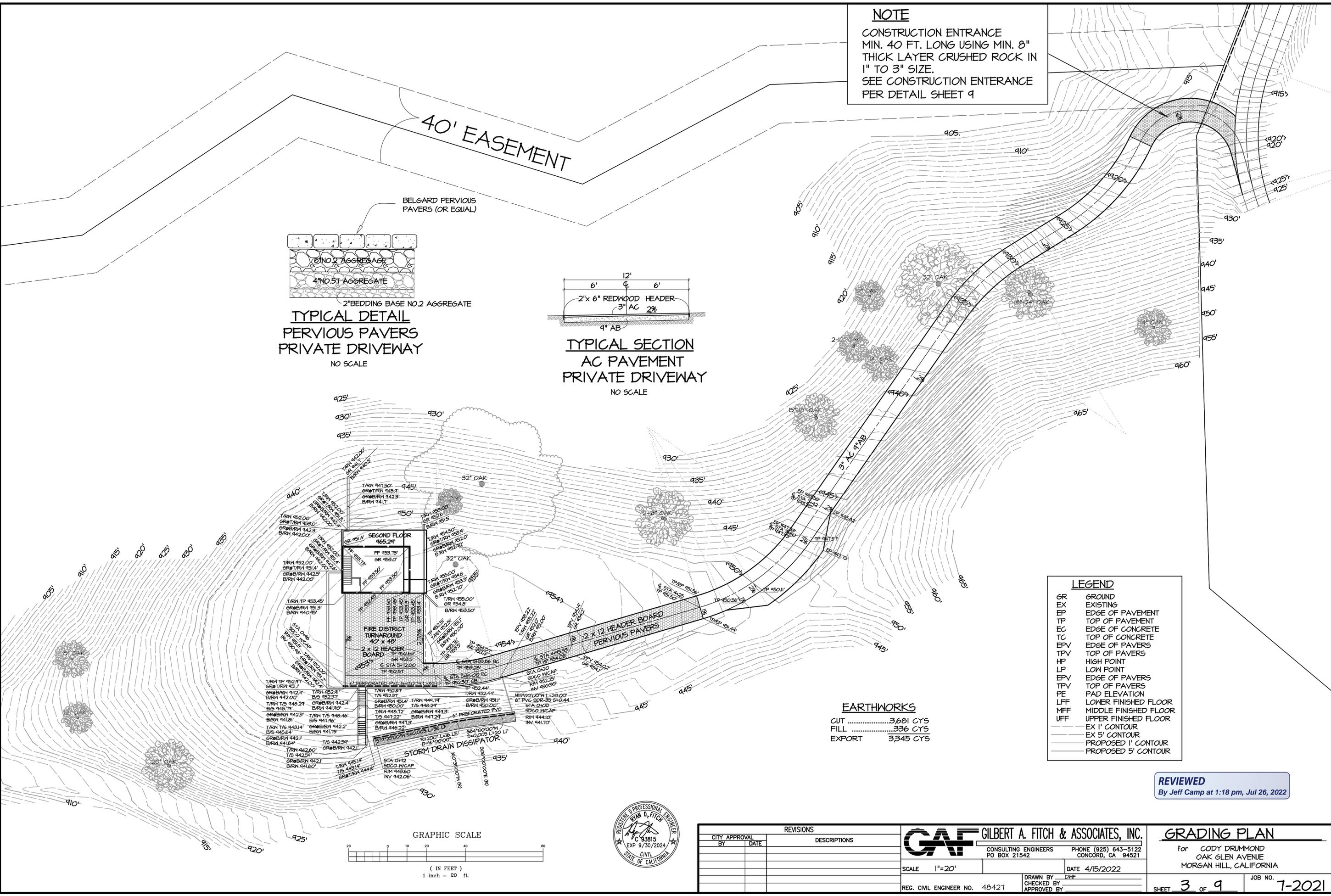
40' EASEMENT



TYPICAL DETAIL
 PERVIOUS PAVERS
 PRIVATE DRIVEWAY
 NO SCALE



TYPICAL SECTION
 AC PAVEMENT
 PRIVATE DRIVEWAY
 NO SCALE



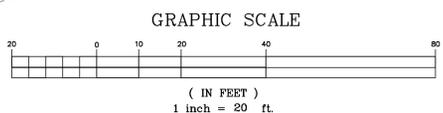
LEGEND

GR	GROUND
EX	EXISTING
EP	EDGE OF PAVEMENT
TP	TOP OF PAVEMENT
EC	EDGE OF CONCRETE
TC	TOP OF CONCRETE
EPV	EDGE OF PAVERS
TPV	TOP OF PAVERS
HP	HIGH POINT
LP	LOW POINT
EPV	EDGE OF PAVERS
TPV	TOP OF PAVERS
PE	PAD ELEVATION
LFF	LOWER FINISHED FLOOR
MFF	MIDDLE FINISHED FLOOR
UFF	UPPER FINISHED FLOOR
EX 1'	EX 1' CONTOUR
EX 5'	EX 5' CONTOUR
PROPOSED 1'	PROPOSED 1' CONTOUR
PROPOSED 5'	PROPOSED 5' CONTOUR

EARTHWORKS

CUT	3681 CYS
FILL	336 CYS
EXPORT	3345 CYS

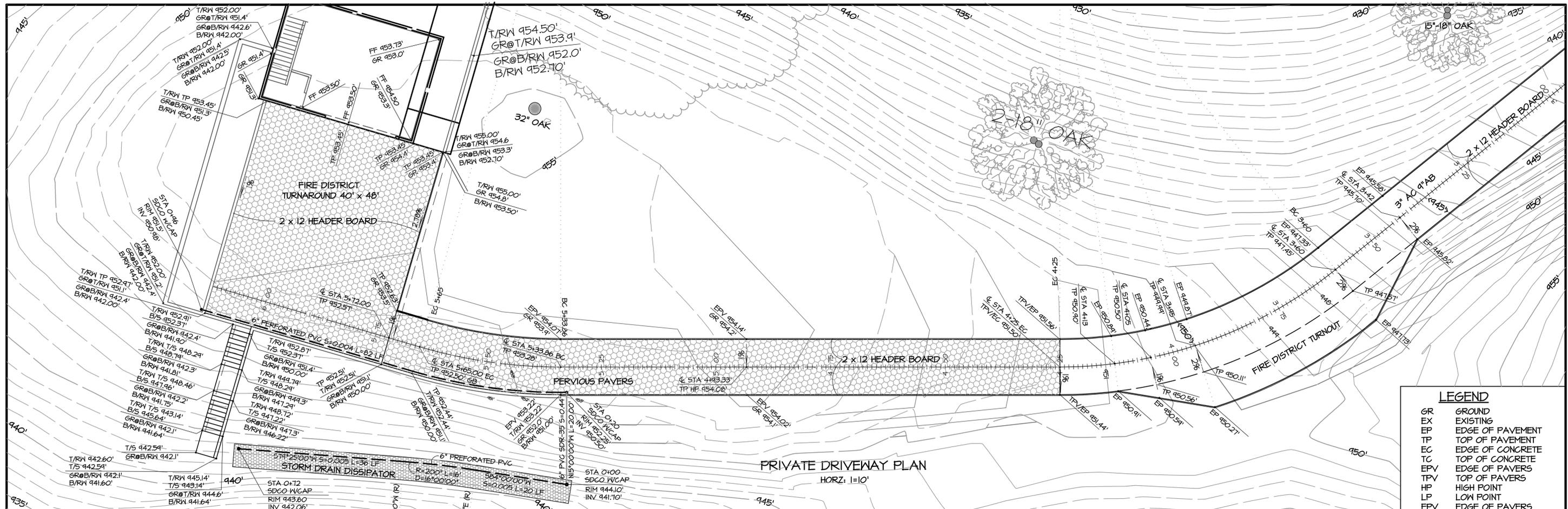
REVIEWED
 By Jeff Camp at 1:18 pm, Jul 26, 2022



CITY APPROVAL		REVISIONS	
BY	DATE	DESCRIPTIONS	

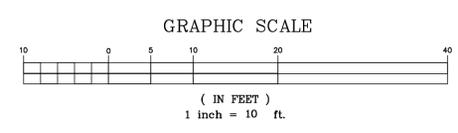
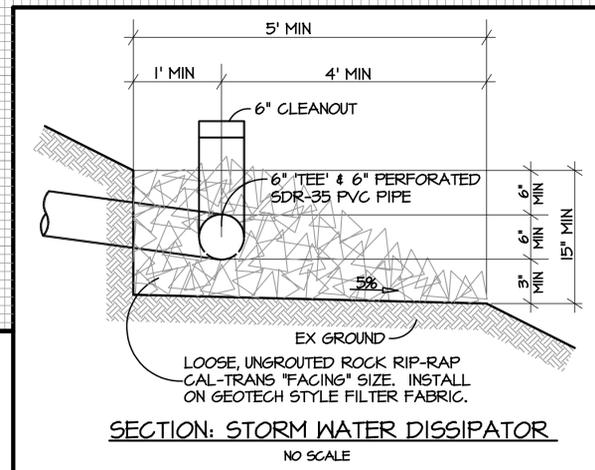
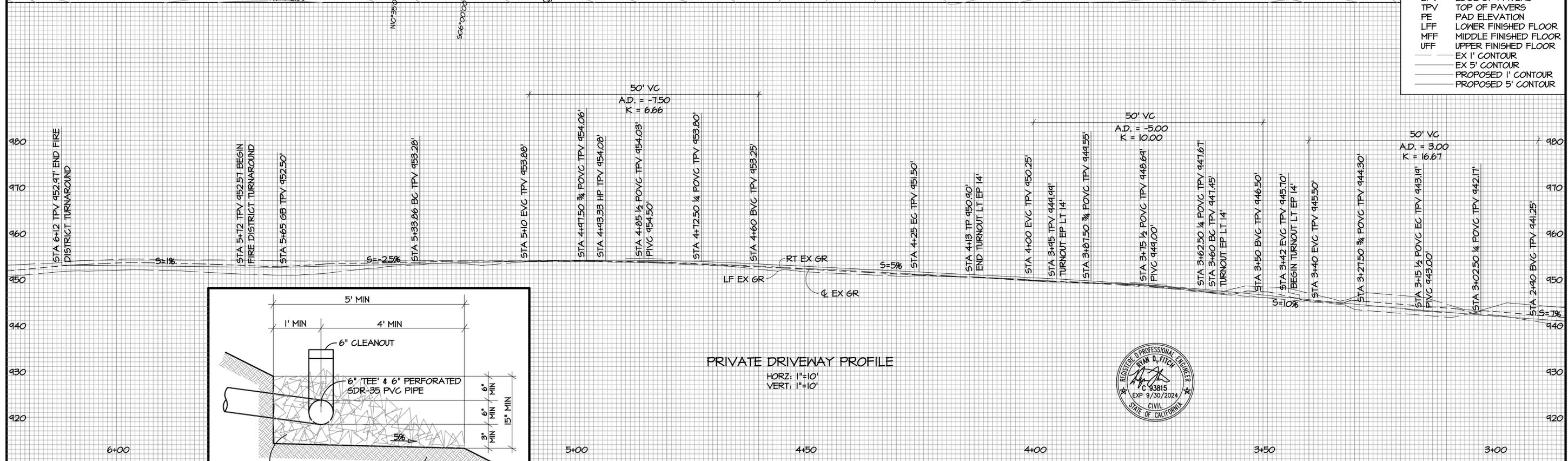
GAF GILBERT A. FITCH & ASSOCIATES, INC.
 CONSULTING ENGINEERS
 PO BOX 21542
 CONCORD, CA 94521
 PHONE (925) 643-5122
 DATE 4/15/2022
 SCALE 1"=20'
 REG. CIVIL ENGINEER NO. 48421
 DRAWN BY: DZF
 CHECKED BY: [Signature]
 APPROVED BY: [Signature]

GRADING PLAN
 for CODY DRUMMOND
 OAK GLEN AVENUE
 MORGAN HILL, CALIFORNIA
 SHEET 3 of 9
 JOB NO. 7-2021



LEGEND

- GR GROUND
- EX EXISTING
- EP EDGE OF PAVEMENT
- TP TOP OF PAVEMENT
- EC EDGE OF CONCRETE
- TC TOP OF CONCRETE
- EPV EDGE OF PAVERS
- TPV TOP OF PAVERS
- HP HIGH POINT
- LP LOW POINT
- EPV EDGE OF PAVERS
- TPV TOP OF PAVERS
- PE PAD ELEVATION
- LFF LOWER FINISHED FLOOR
- MFF MIDDLE FINISHED FLOOR
- UFF UPPER FINISHED FLOOR
- EX 1' CONTOUR
- EX 5' CONTOUR
- PROPOSED 1' CONTOUR
- PROPOSED 5' CONTOUR



REVISIONS

CITY APPROVAL BY	DATE	DESCRIPTIONS



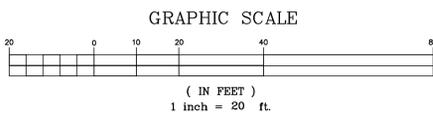
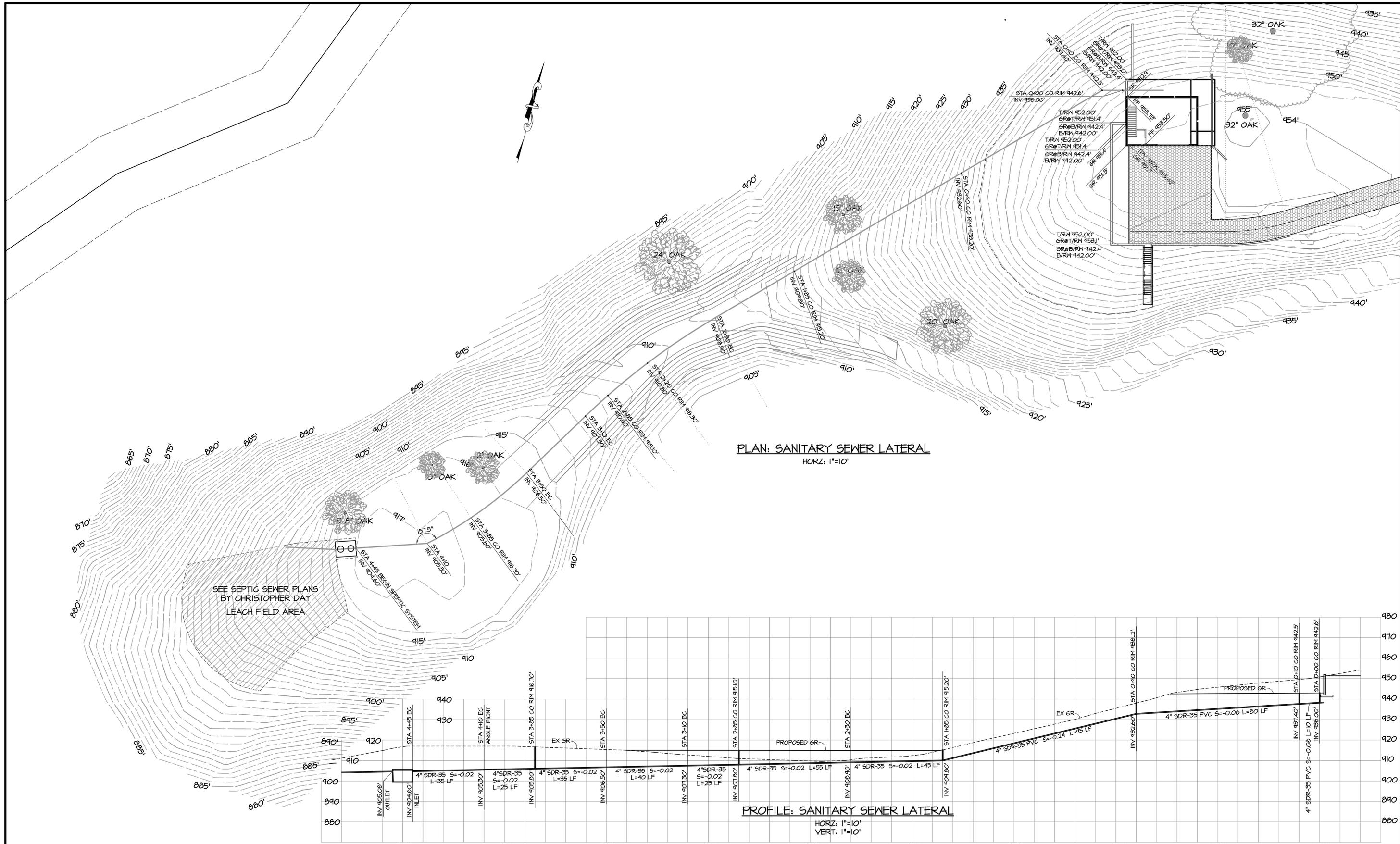
GAF GILBERT A. FITCH & ASSOCIATES, INC.
CONSULTING ENGINEERS
2120 MT. DIABLO STREET
CONCORD, CA 94520
PHONE (510) 682-6234
94520

SCALE 1"=10' DATE 4/15/2022
REG. CIVIL ENGINEER NO. 48427
DRAWN BY: DWF
CHECKED BY: []
APPROVED BY: []

IMPROVEMENT PLANS
For CODY DRUMMOND
OAK GLEN AVENUE
MORGAN HILL, CALIFORNIA

SHEET 5 OF 9
JOB NO. 7-2021

REVIEWED
By Jeff Camp at 1:18 pm, Jul 26, 2022



REVIEWED
By Jeff Camp at 1:18 pm, Jul 26, 2022

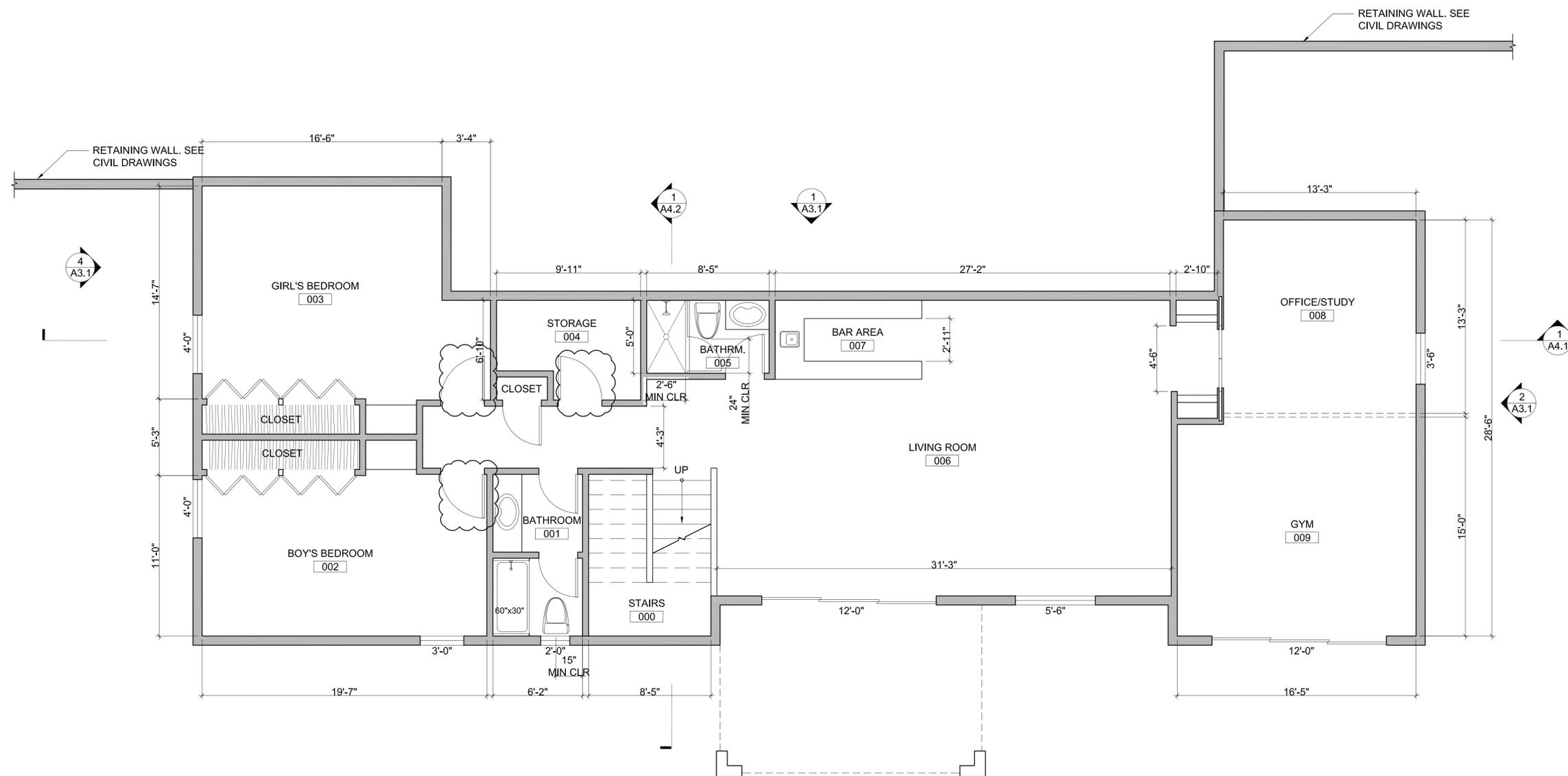
CITY APPROVAL		REVISIONS	
BY	DATE	NO.	DESCRIPTIONS

GAF GILBERT A. FITCH & ASSOCIATES, INC.
 CONSULTING ENGINEERS
 PO BOX 21542
 CONCORD, CA 94521
 PHONE (925) 643-5122

SCALE 1"=20'
 DATE 4/15/2022
 REG. CIVIL ENGINEER NO. 48427
 DRAWN BY DZF
 CHECKED BY
 APPROVED BY

SEPTIC SYSTEM
 for CODY DRUMMOND
 OAK GLEN AVENUE
 MORGAN HILL, CALIFORNIA

SHEET 7 OF 9
 JOB NO. 7-2021



PROPOSED BASEMENT

1

SCALE: 1/4"=1'-0"

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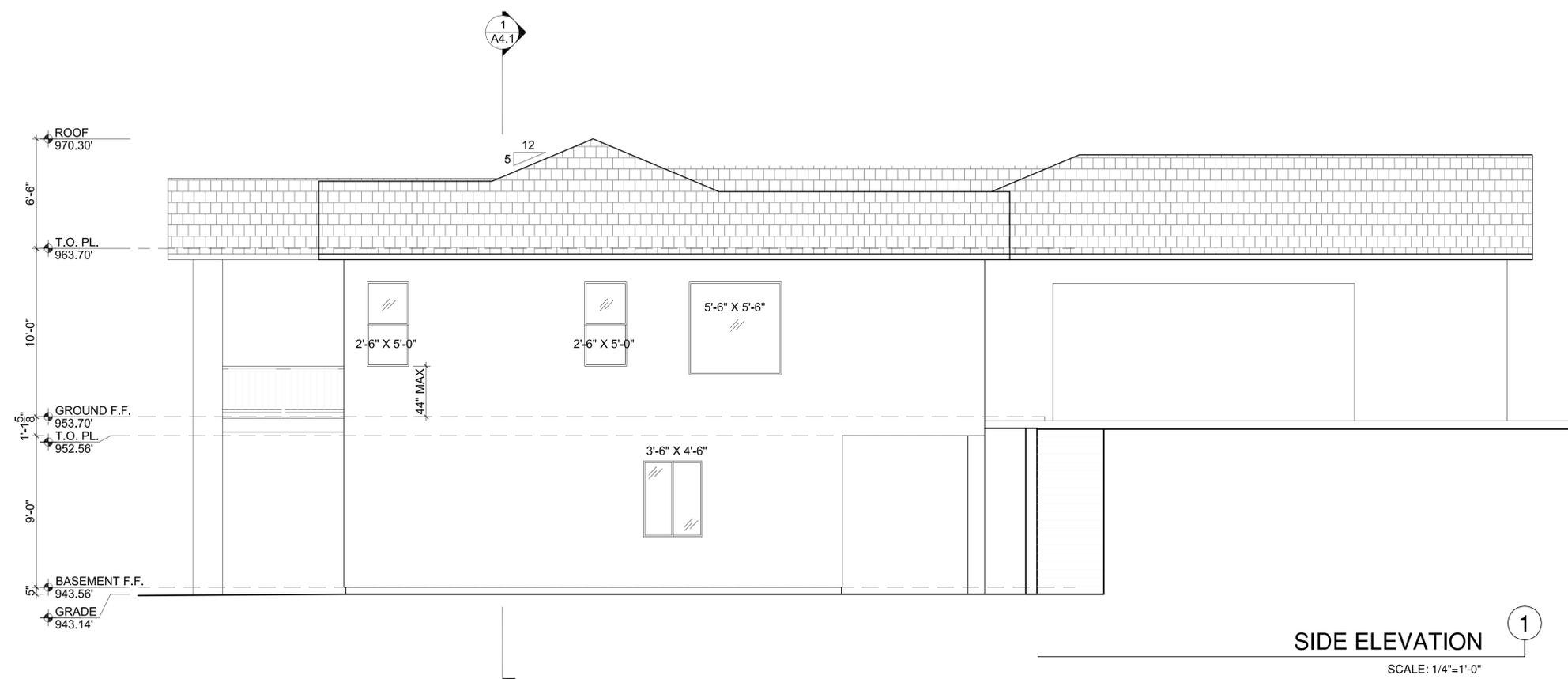
DRUMMOND RESIDENCE

Address
Morgan Hill, Ca.,

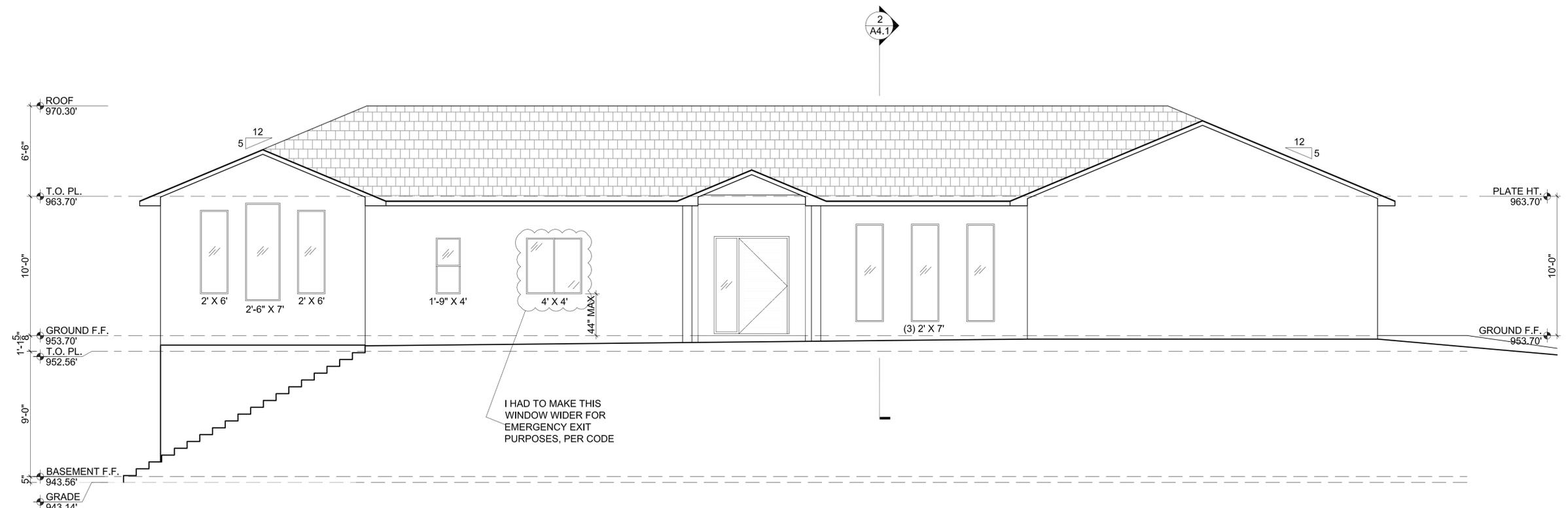
SUBMITTALS / REVISIONS:

JOB #: -
SCALE: as noted
SHEET: Proposed
Basement Plan

A2.1



SIDE ELEVATION ①
SCALE: 1/4"=1'-0"



FRONT ELEVATION ①
SCALE: 1/4"=1'-0"

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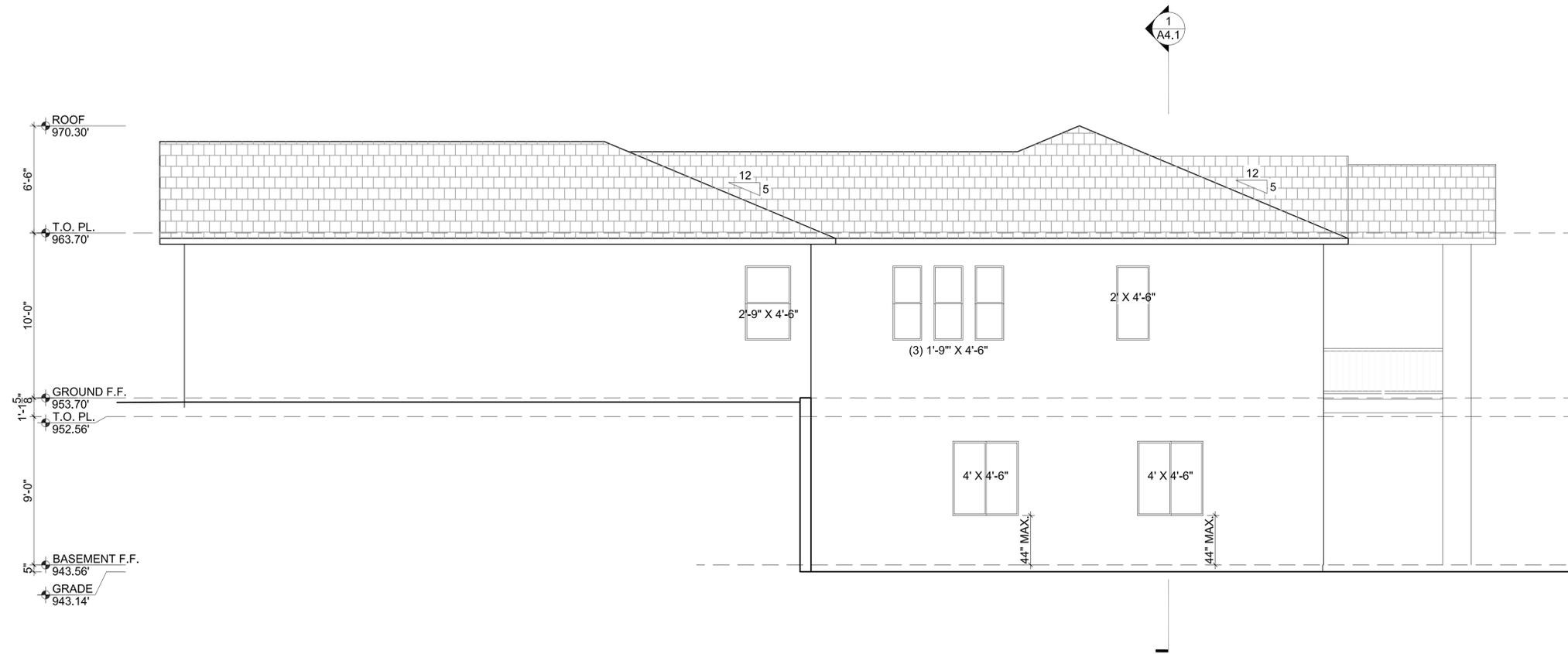
DRUMMOND RESIDENCE

Address
Morgan Hill, Ca.,

SUBMITTALS / REVISIONS:

JOB #: -
SCALE: as noted
SHEET: Proposed Elevations

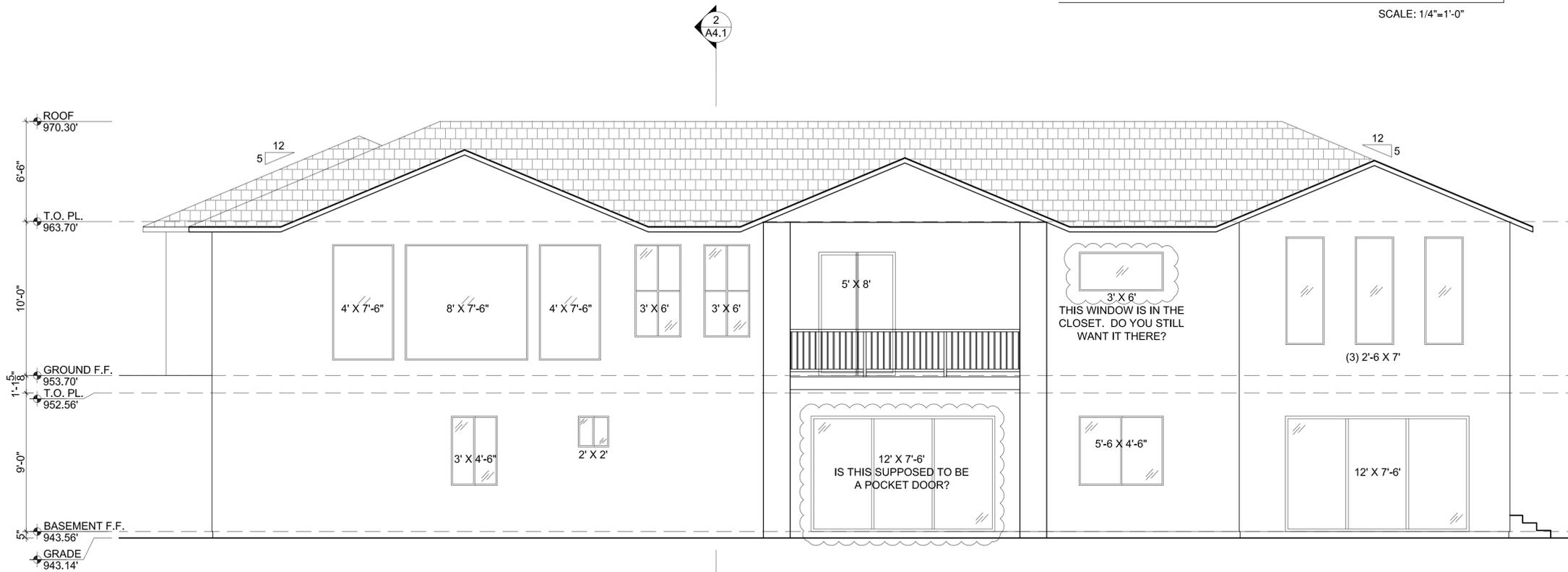
A3.1



SIDE ELEVATION

1

SCALE: 1/4"=1'-0"



REAR ELEVATION

1

SCALE: 1/4"=1'-0"

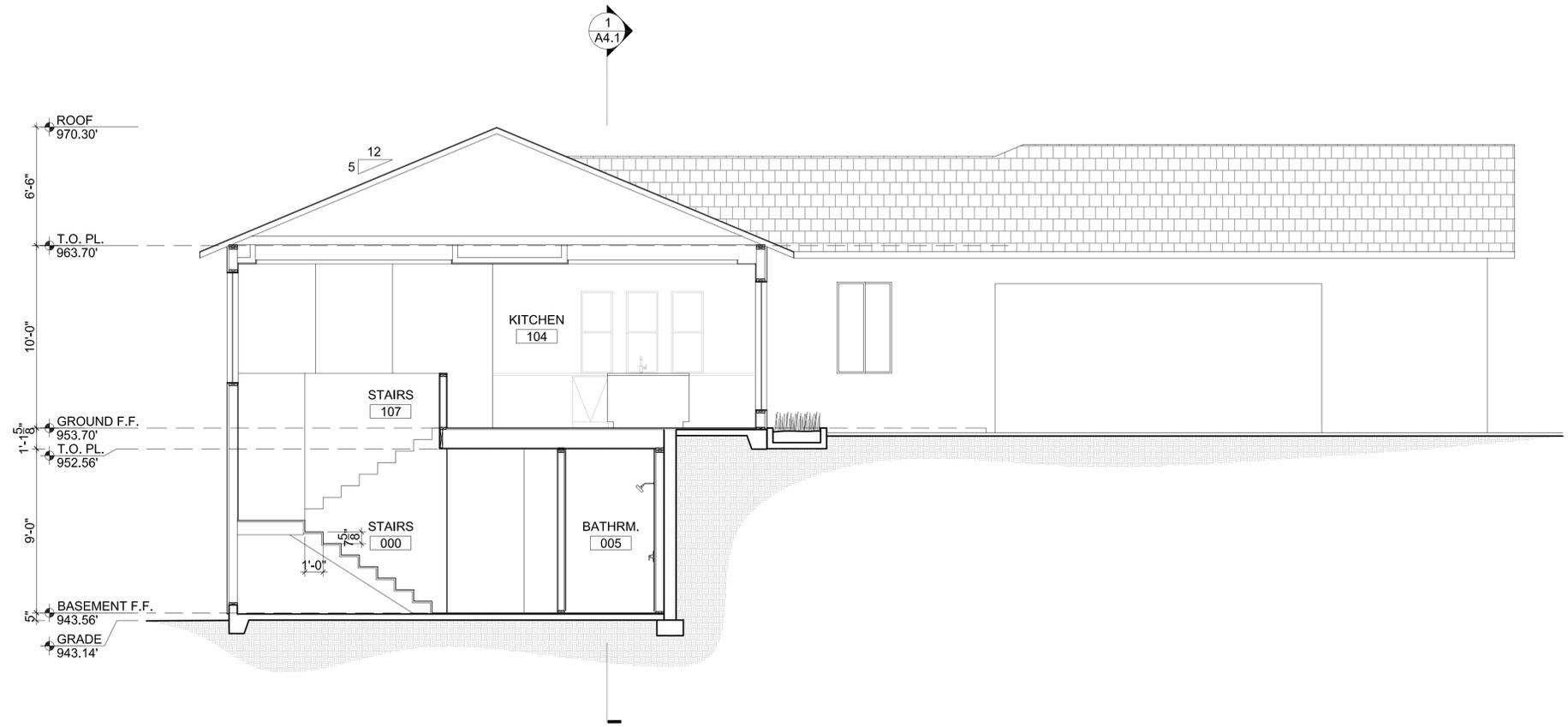
DRUMMOND RESIDENCE

Address
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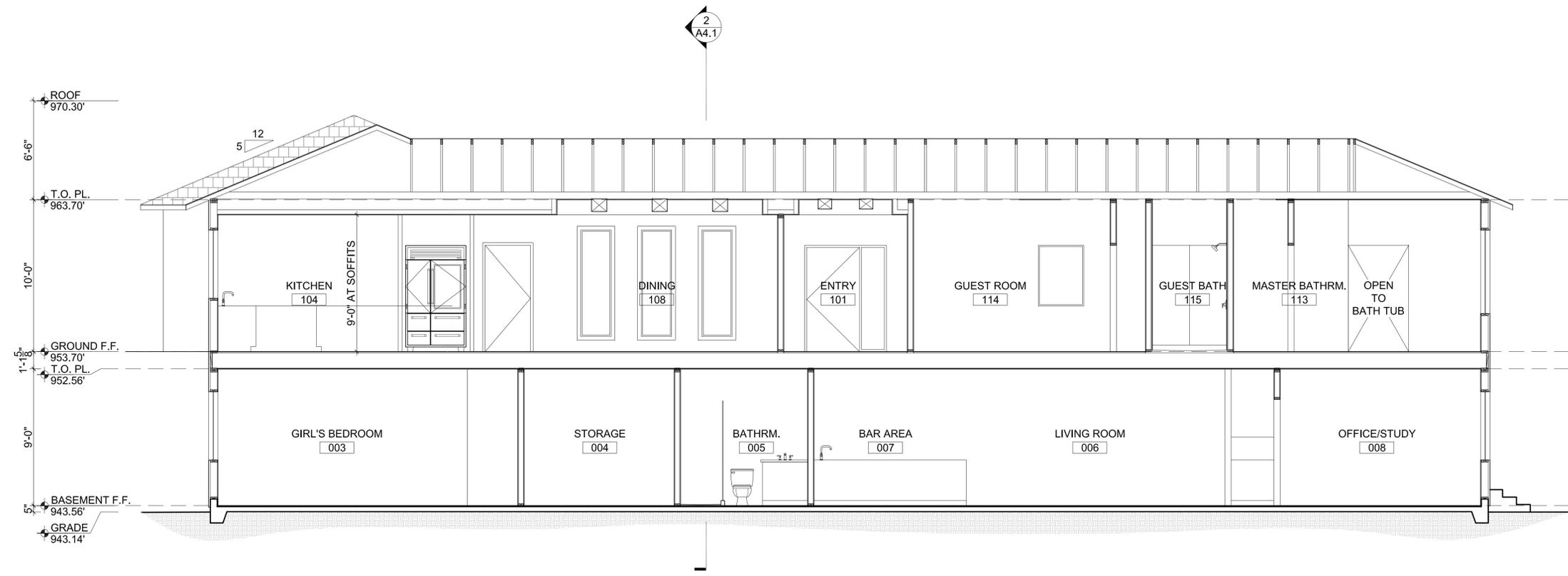
SUBMITTALS / REVISIONS:

JOB #: -
SCALE: as noted
SHEET: Proposed Elevations

A3.2



SECTION 2
SCALE: 1/4"=1'-0"



SECTION 1
SCALE: 1/4"=1'-0"

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DRUMMOND RESIDENCE

Address
Morgan Hill, Ca.,

SUBMITTALS / REVISIONS:

JOB #: -
SCALE: as noted
SHEET: Propopsed
Sections

A4.1