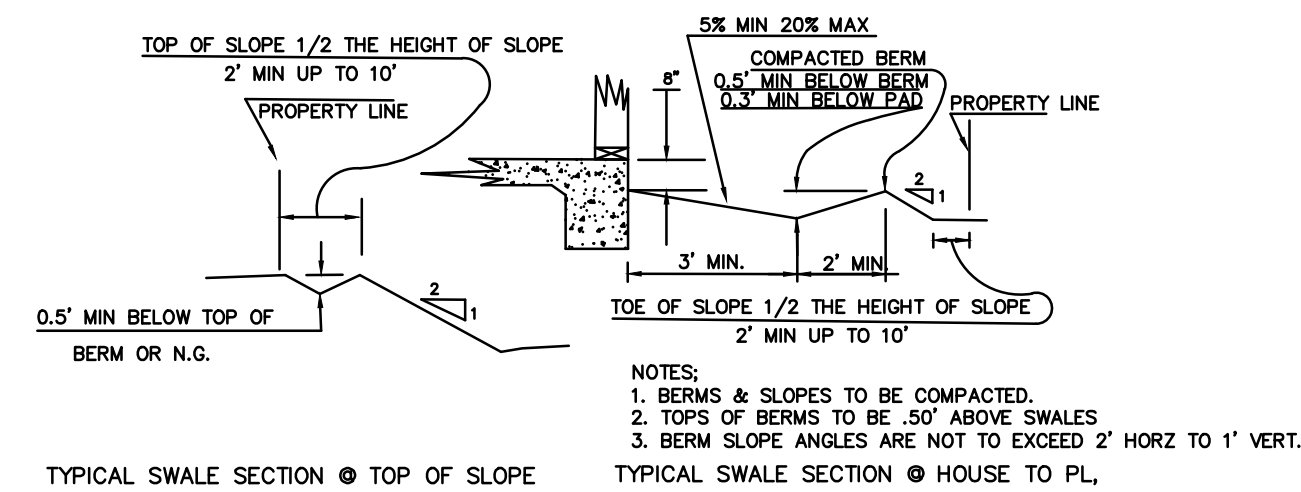


Grading Notes:

- All grading shall conform to the latest California Building Code (CBC) Chapters 17, 18, Appendix-J and all applicable sections.
- A grading permit shall be obtained prior to commencement of any work on the site.
- Issuance of a grading permit does not eliminate the need for permits from other regulatory agencies with regulatory responsibilities for construction activities associated with the work authorized in this plan.
- All work under this permit shall be limited to work within the property lines. A separate construction, excavation or encroachment permit from the Department of Public Works may be required for any work within the County right-of-way.
- Approval of these plans does not authorize any work or grading to be performed until the effective property owner's permission has been obtained and valid grading permit has been issued.
- This plan is for grading purposes only and is not to be used for the purpose of constructing onsite or offsite improvements. Issuance of a permit based on this plan does not constitute approval of driveway locations or sizes, parking lot structural sections or layout, ADA-related requirements, building locations or foundations, walls, curbing, offsite drainage facilities or other items not related directly to the basic grading operation. Onsite improvements shall be constructed in accordance to the approved building permit plans. Offsite improvements shall be constructed in accordance to plans approved for this purpose by the Public Works Department.
- Maximum cut and fill slope = 2:1 (horizontal to vertical) and maximum vertical height = 30 feet, unless an approved geotechnical report can justify a steeper and taller slope.
- No fill shall be placed on existing ground until the ground has been cleared of weeds, debris, topsoil and other deleterious material.
- Fill slopes shall not have less than 90% relative compaction, or as recommended on the approved geotechnical report.
- It is the grading contractor's responsibility to ensure that adequate compaction has been attained on the entire grading site, including fill areas outside the building pads and on all fill slopes.
- Unless otherwise recommended in an approved geotechnical report, over-excavation shall be at least 24 inches minimum below the bottom of footings or to competent native soil or bedrock materials, whichever is deeper, as approved by the project's geotechnical engineer or geologist.
- Earthwork Volumes:
Cut: 000 (cy), Fill: 693 (cy), 15% Shrinkage. Total Disturbed Area: =21,609 S.F.
- Earthwork quantities are shown for grading permit purposes only, and San Bernardino County is not responsible for their accuracy.
- A copy of the grading permit and approved grading plans must be in the possession of a responsible person and available at the site at all times.
- Any onsite retaining walls shown on the grading plans that are over 4' in height, measured from top of wall to bottom of footing, are for reference only. Retaining walls over 4' in height are not checked, permitted, or inspected per the grading permit. A separate retaining wall permit is required for all retaining walls over 4' in height.
- Any walls, fences, structures and/or appurtenances adjacent to this project are to be protected in place. If grading operations damage or adversely affect said items in any way, the contractor and/or developer is responsible for working out an acceptable solution to the satisfaction of the affected property owner(s).
- For sites with protected species or trees, the proposed grading may be subject to a separate permit.
- Adequate fire access around buildings (including garages) should be provided as approved by County Fire.
- Existing drainage courses shall not be obstructed, altered, or diverted without prior approval from the County of San Bernardino, Land Development Division. A streambed alteration agreement may also be required from the California Department of Fish and Wildlife.
- Drainage easements shall not be obstructed, altered or diverted without prior approval of the County of San Bernardino, Land Development Division.
- Setbacks and building locations shown on this plan are for reference only and must be reviewed and approved under a separate building permit.
- Utility and septic improvements shown on this plan are for reference only and must be reviewed and approved under a separate building permit.
- On projects disturbing one acre or more, the following note must be added: A Notice of Intent (NOI) has been, or will be filed with the State Water Resources Control Board (SWRCB) and a Storm Water Pollution Prevention Plan (SWPPP) has been or will be prepared in accordance with the requirements of California General Permit for storm water discharges associated with construction activity (Permit No. CAS000002) for all operations associated with these plans. The permittee shall keep a copy of the SWPPP on site and available for review by County.
- In conjunction with the California General Permit for proposed disturbance over one acre, an active Wastewater Discharge ID # (WDID) must be included on the final grading plan.
- For engineered grading, a final grading certification will be collected by the building inspector at the final building inspection or prior a grading final status on the permit. The final grading certification is to be completed by the Engineer of Record on the approved grading plans.
- All flood zone requirements must be reflected or accounted for on the grading plans. Elevations or construction notes must be included in the plans to ensure compliance with all applicable first floor elevation requirements per FEMA and San Bernardino County Development Code guidelines.

Note: Additional requirements may be applicable, as determined by the Building Official.

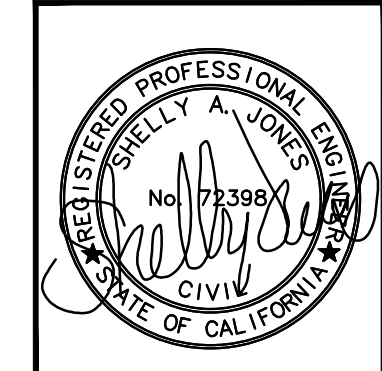
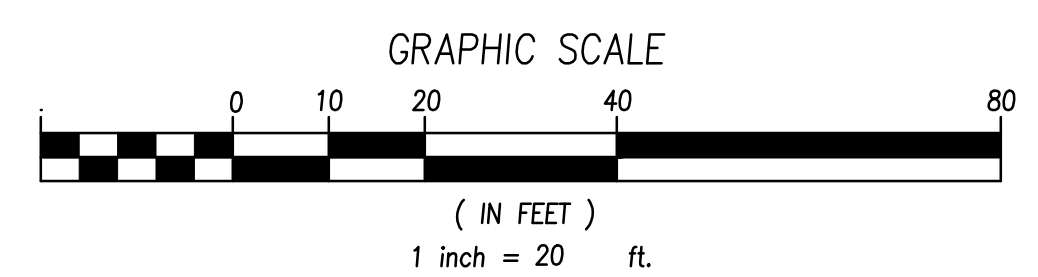
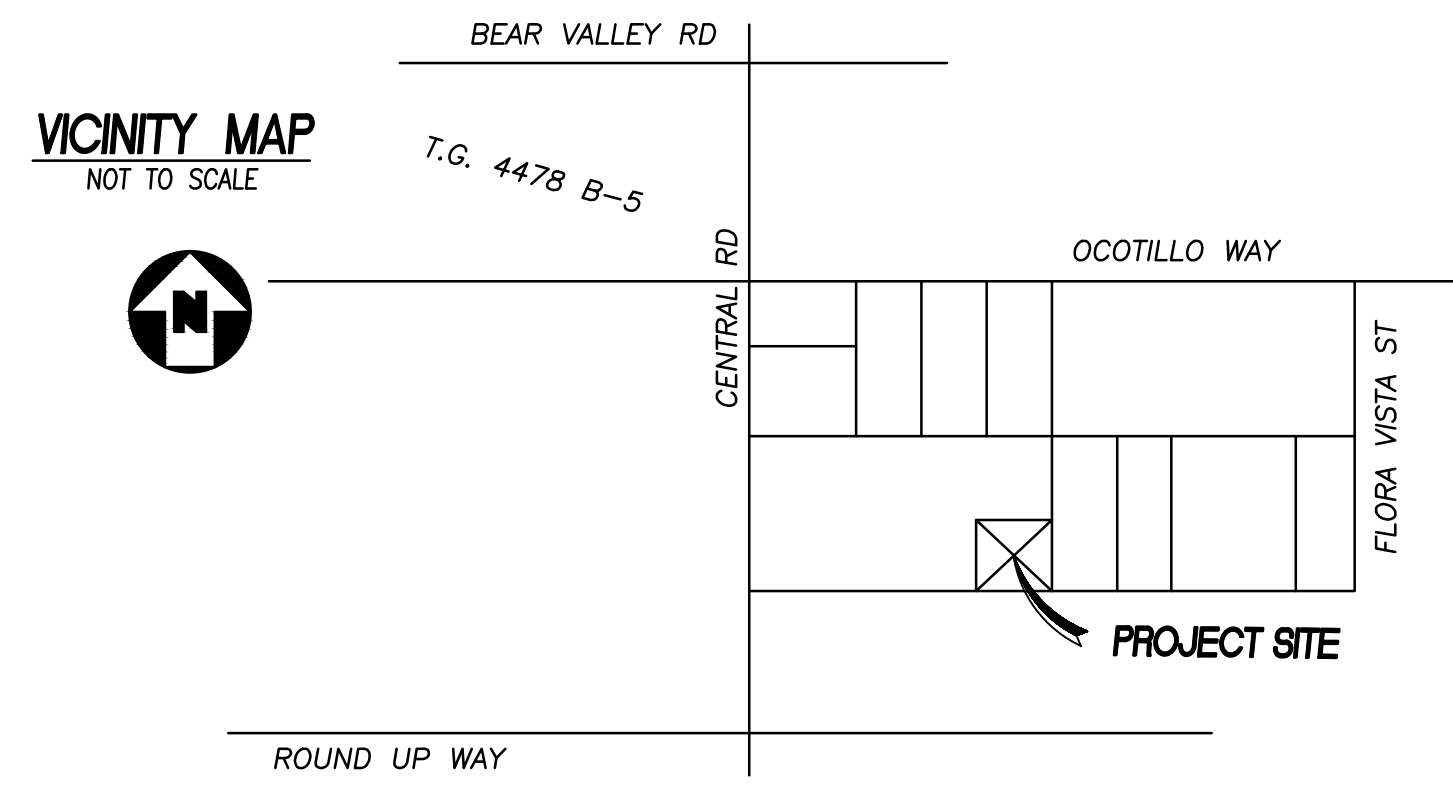
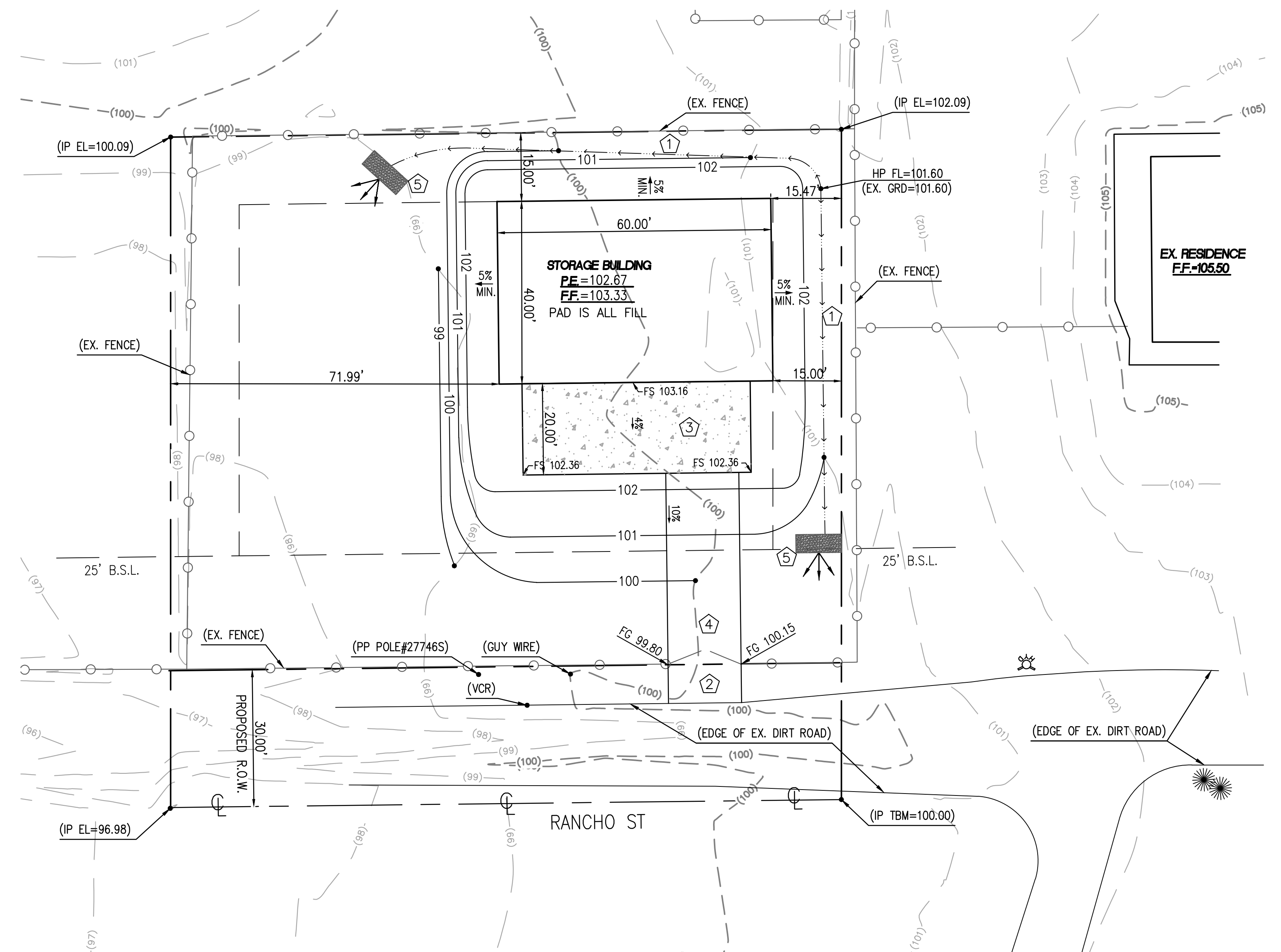


- ABBREVIATIONS:**
- T.C. = TOP OF CURB
 - F.L. = FLOW LINE
 - E.P. = EDGE OF PAVEMENT
 - T.B.M. = TEMPORARY BENCH MARK
 - P.E. = PAD ELEVATION
 - P.P. = POWER POLE
 - (XX.XX) = EXISTING ELEV.
 - F.C. = FINISH GRADE
 - F.F. = FINISH FLOOR

**COUNTY OF SAN BERNARDINO
GRADING & EROSION CONTROL PLAN
FOR SINGLE FAMILY RESIDENCE
A.P.N.: 0438-115-05
RANCHO ST APPLE VALLEY, CA 92308**

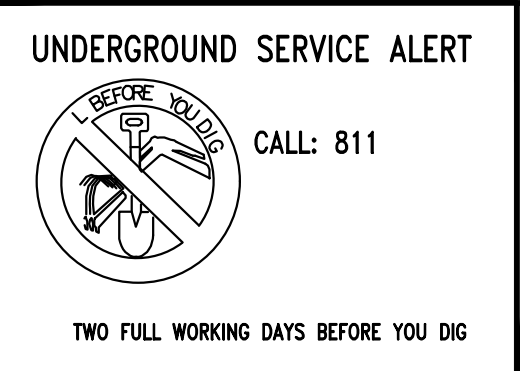
LEGEND

- CENTER LINE
 - PROPERTY LINE
 - EX. MAJOR CONTOURS LINES
 - EX. MINOR CONTOURS LINES
 - PROPOSED FINISH CONTOURS
 - EX. FENCE
 - EDGE OF EXISTING ASPHALT ROAD
 - BUILDING BACK SET LINES AND P.U.E.'s
 - FLOW LINE 1% MIN. 20% MAX
 - NO JOSHUA TREES ON THIS SITE
 - CONC. WALKS AND DRIVES
- GRADE SHALL SLOPE AWAY FROM STRUCTURE FOR A MINIMUM OF 5% FOR THE FIRST 10' (0.5' IN 10'), ON CONCRETE GRADE SHALL SLOPE AWAY MINIMUM OF 2% FOR THE FIRST 10' (0.2' IN 10')
- ① SWALE 1% MIN.
 - ② EXISTING ALL WEATHER DIRT DRIVE
 - ③ PROPOSED CONC. DRIVE
 - ④ PROPOSED ALL WEATHER DIRT DRIVEWAY
 - ⑤ 10'x4'x0.33' 1"-3" ROCK ENERGY DISSIPATER



Hydrology Study
Prepared under the supervision of Shelly Jones
APN 0438-112-05 Dated: 11-04-22
The grading plan design complies with the requirements and suggestion set forth by Shelly Jones

SHELLY JONES: DATE: 11-04-22

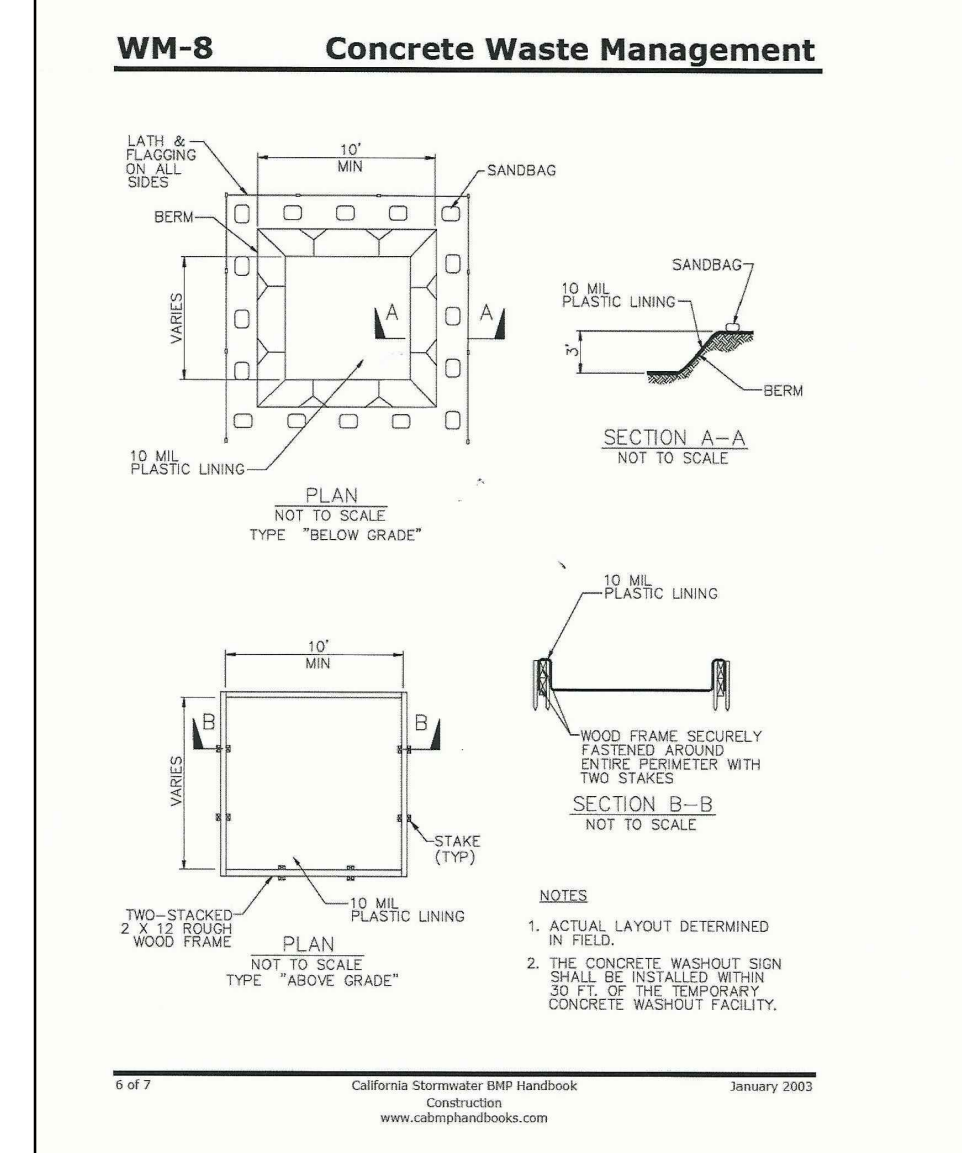
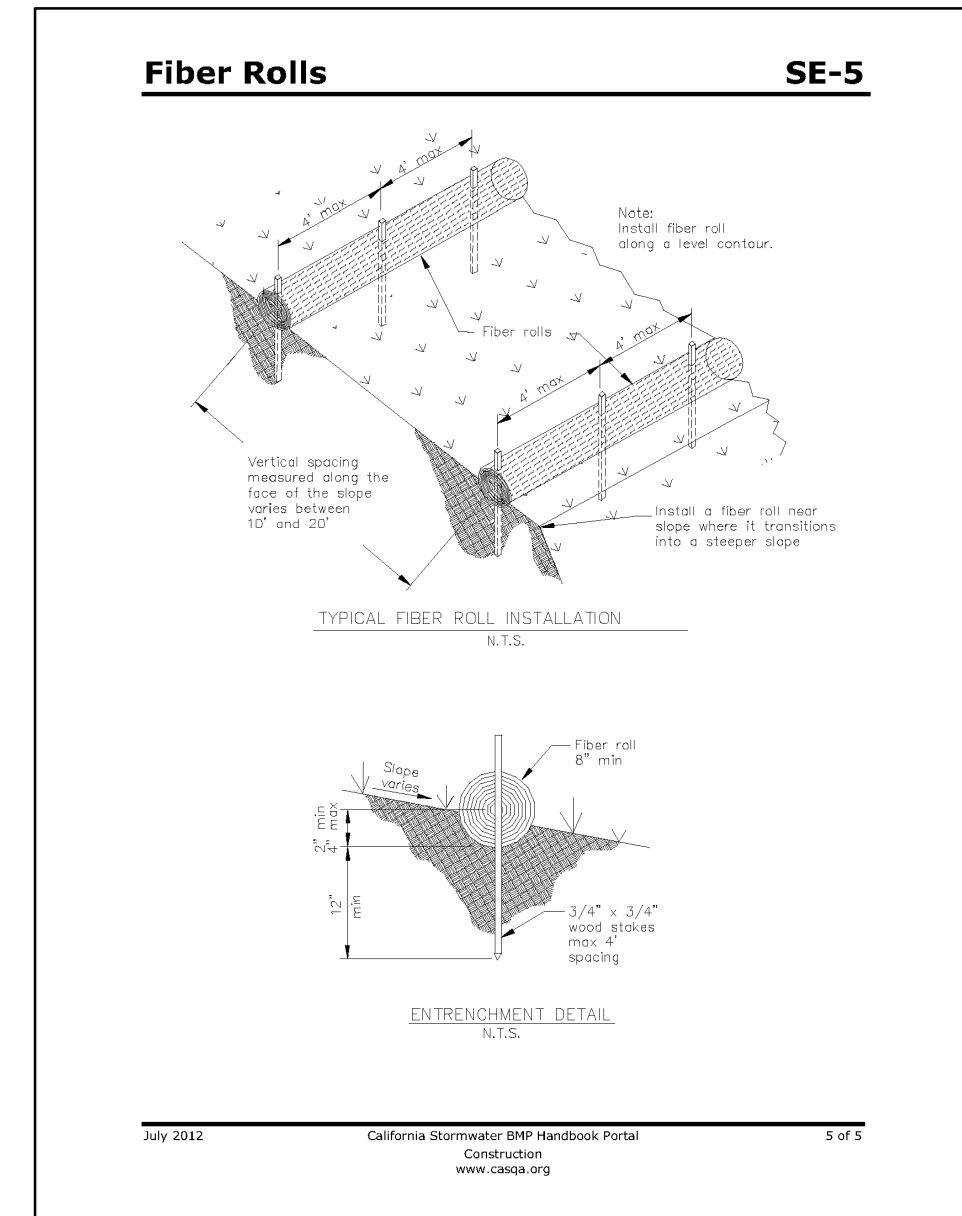


Prepared by:
Tim Meyer
18055 Cherry St.
Hesperia, Ca
92345
(760)559-6739

THIS IS NOT A SURVEY	
BUILDING PERMIT# SFR-2022-00 GRADING PERMIT# GRAD-2022-00	
COUNTY OF SAN BERNARDINO DEPARTMENT OF LAND USE SERVICES	SCALE: 1"=20'
Grading Plan APN: 0438-112-05 Rancho St Apple Valley, CA 92308 Owner: Apple Valley Heights County Water District Owner's Agent: Daniel Smith 760-524-2037	DRAWN BY: NAJ DESIGNED BY: TSM SHEET 1 OF 2
DATE: 11-04-2022	DRAWING NUMBER# 2022-164

BEARINGS AND DISTANCES ARE PER RECORD OF SURVEY DONE BY J.E. MILLER

- Erosion Control Notes:**
- In case of emergency, call Daniel Smith 760-524-2037
 - Pollution and erosion prevention measures, also known as Best Management Practices (BMPs), must be installed prior to grading. These measures, including the prevention of sedimentation or flood damage, to offsite property shall be adequate whether or not an erosion control permit is required.
 - Eroded sediments and other pollutants must be retained onsite and may not be transported from the site via sheet flow, swales, area drains, natural drainage courses, or wind.
 - Erosion Control devices shall be functioning at all times. In case of failure, rapid construction of emergency devices shall be implemented.
 - Stockpiles of earth and other construction-related materials must be protected from being transported from the site by the forces of wind or water.
 - Fuels, oils, solvents, and other toxic materials must be stored in accordance with their listing and are not to contaminate the soils and surface waters. All approved storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of in a proper manner. Spills may not be washed into the drainage system.
 - Excess or waste concrete must be contained onsite. Provisions shall be made to retain concrete wastes onsite until they can be disposed of as solid waste.
 - Developers/contractors are responsible to ensure all Erosion Control Devices and BMPs are installed and functioning properly per plan. Proper precaution shall be considered when 50% or greater probability of predicted precipitation, and after actual precipitation. A construction site inspection checklist and inspection log shall be maintained at the project site at all times and available for review by the Building Official.
 - Trash and construction-related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersal by wind.
 - Sediments and other materials may not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the public way. Accidental depositions must be swept up immediately and may not be washed down by rain or other means.
 - Any slopes with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water.
 - All silt and debris shall be removed from all devices within 24 hours after each rainstorm and be disposed of properly.
 - All storm water capture devices shall be protected at all times.

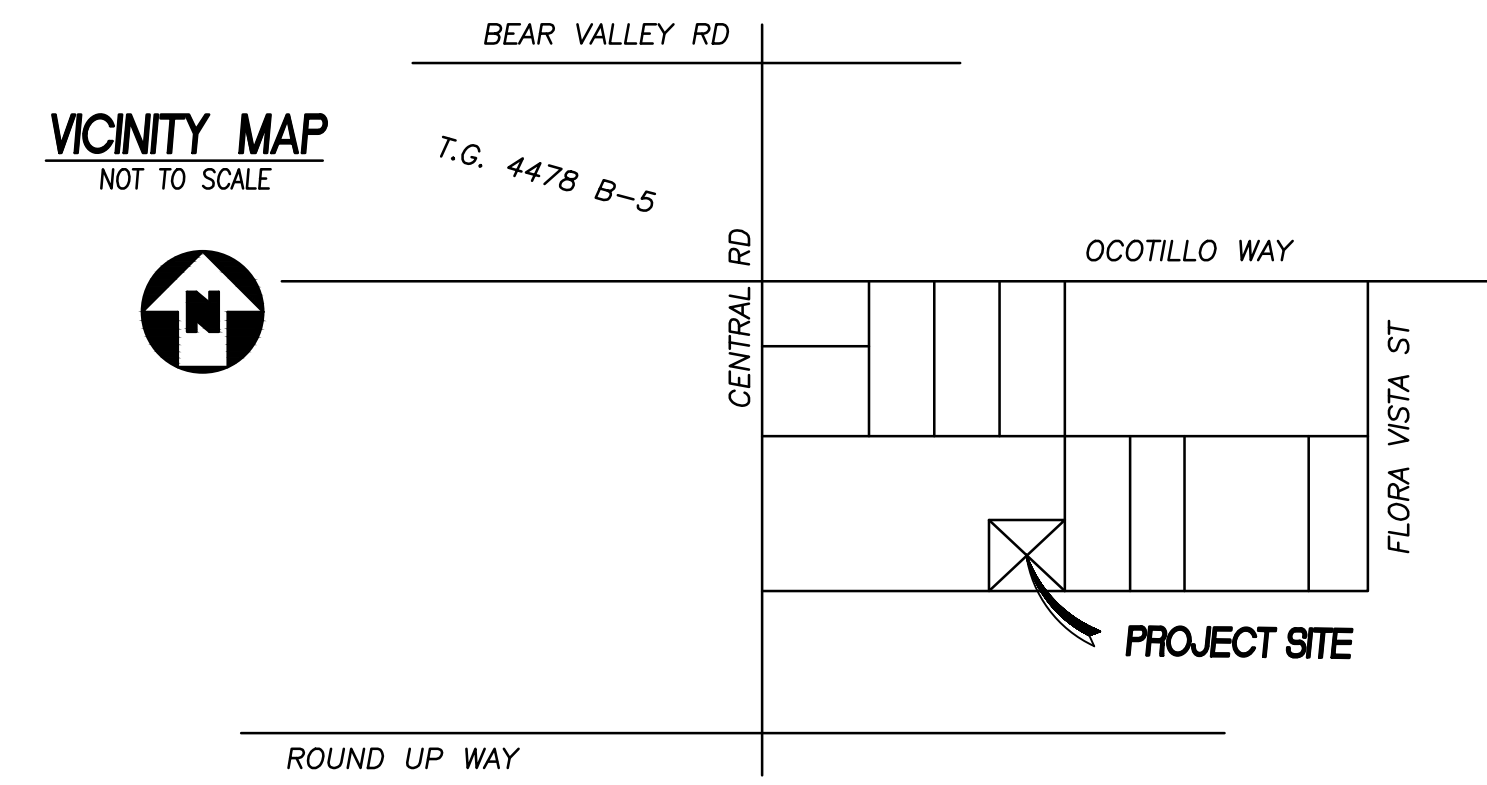
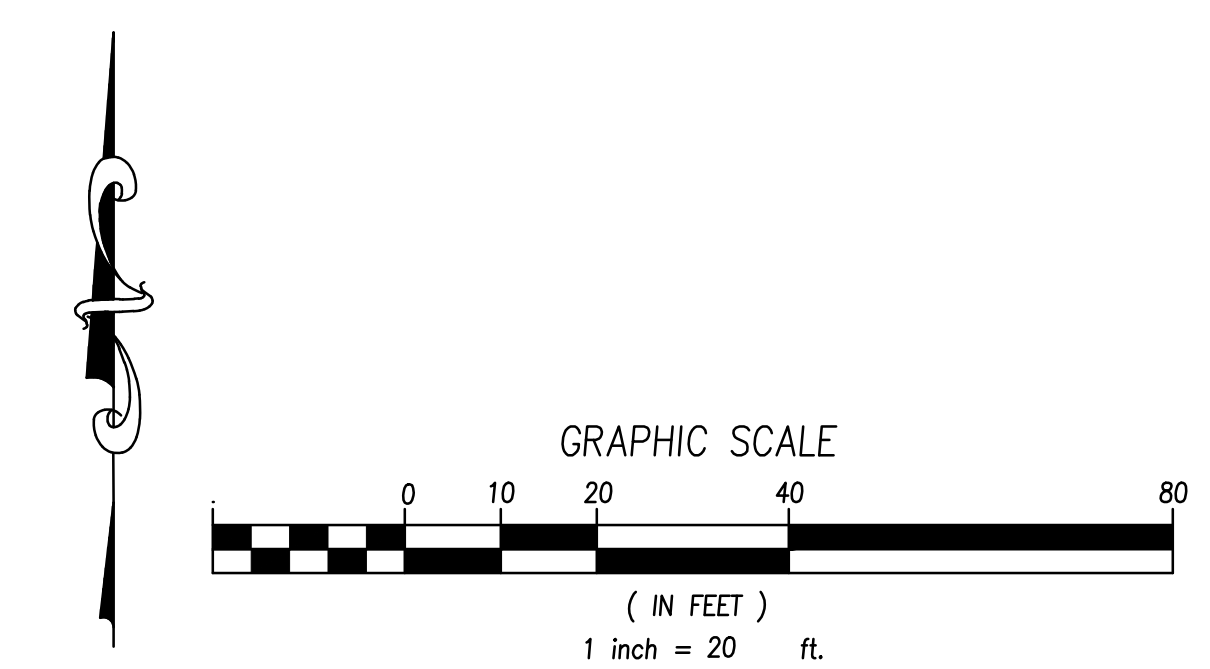
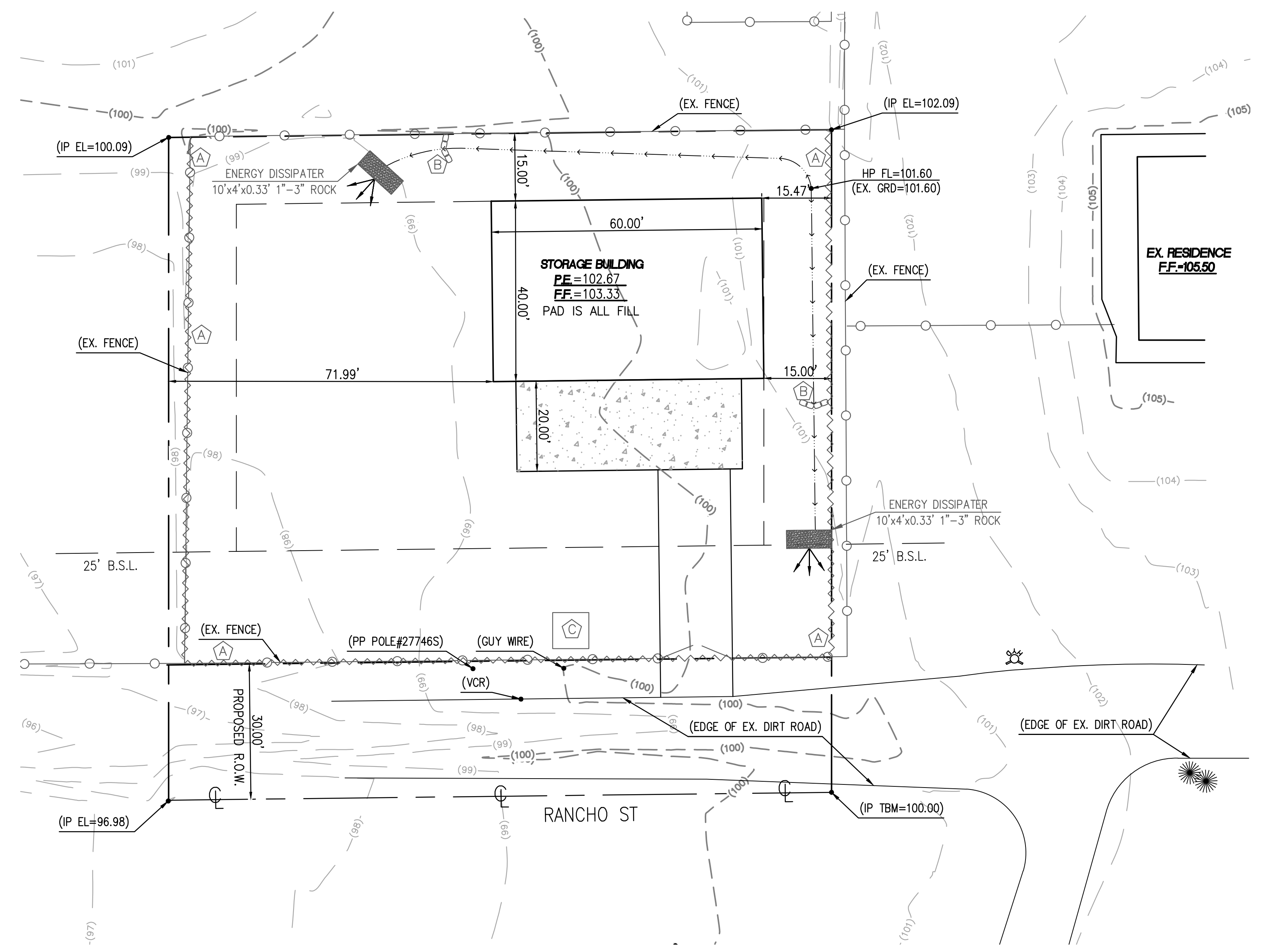


- LEGEND**
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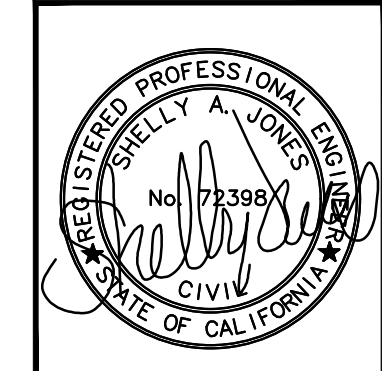
- ~~~~~ FIBER ROLLS
- FIBER ROLLS IN FLOW LINES
- △ FIBER ROLLS 450' L.F.
- FIBER ROLLS IN FLOW LINE AFTER GRADING IS COMPLETE.
- ⬢ CONCRETE WASHOUT PER DETAIL WM-8



BEARINGS AND DISTANCES ARE PER RECORD OF SURVEY DONE BY J.E. MILLER

THIS IS NOT A SURVEY

BUILDING PERMIT# SFR-2022-00
GRADING PERMIT# GRAD-2022-00

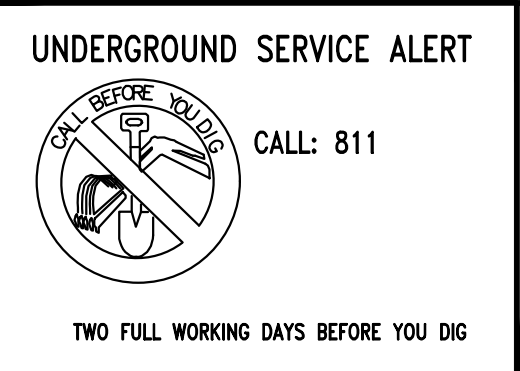


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