GENERAL NOTE(S):

1. CODE COMPLIANCE: ALL WORK AND MATERIAL PERFORMED AND INSTALLED IN ACCORDANCE THE THE CURRENT EDITION OF THE 2022 CALIFORNIA BUILDING STANDARDS CODE AS ADOPTED BY THE STATE OF CALIFORNIA AND ENFORCED BY SONOMA COUNTY.
ALL WORK SHALL BE IN CONFORMANCE TO THE CODE AND ORDINANCE AND/OR THE MUNICIPAL CODE OF THE SONOMA COUNYT.
ALL WORK ARE SUBJECT TO THE INSPECTION AND APPROVAL OF THE FOLLOWING AGENCIES, AND EACH SHALL
BE NOTIFIED AT LEASH TWO (2) WORKING DAYS IN ADVANCE OF ANY WORK TO BE DONE IN ANY OF THE FACILITIES UNDER ITS JURISDICTION.
IMPROVEMENT WORK SHALL NOT BEGIN UNTIL A BUILDING PERMIT IS OBTAINED.
A) SONOMA COUNTY STANDARD DRAWINGS AND SPECIFICATIONS.
B) WATER DEPARTMENT
C) PACIFIC, GAS, AND ELECTRIC.
D) AT&T CABLE.
2. TRAFFIC CONTROL: SHALL BE PERFORMED PER THE LATEST "MANUAL OF TRAFFIC CONTROLS" PUBLISHED BY THE CALIFORNIA DEPARTMENT OF TRANSPORTATION.
3. DAMAGE TO ADJACENT ROADWAYS: CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ADJACENT ROADS OR PROPERTY CAUSED BY HIS ACTIVITIES AND ALSO SHALL BE RESPONSIBLE FOR ANY OTHER WORK REQUIRED TO PREVENT SUCH DAMAGE.
4. TRENCH SAFETY: IF THE EXCAVATION OF ANY TRENCH IS 5 FEET OR MORE IN DEPTH, IT SHALL BE SHORED AND BRACED AS REQUIRED BY CALIFORNIA STATE LAW & OSHA.
5. ARCHEOLOGICAL RESOURCES : IN THE EVENT THAT ARCHEOLOGICAL RESOURCES ARE DISCOVERED DURING CONSTRUCTION, THE CONTRACTOR SHALL STOP ALL SITE WORK WITHIN THE IMMEDIATE VICINITY OF THAT DISCOVERY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN CHARGE.
NO ADDITIONAL WORK WITHIN THAT VICINITY WILL BE ALLOWED UNTIL APPROVAL TO RECOMMENCE WORK IS GIVEN BY THE PLANNING DIRECTOR.
6. CONTRACTOR RESPONSIBILITY: CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING THE SAFETY OF ALL PERSON AND PROPERTY. THIS PROVISION SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS: AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK IN THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, DEVELOPER, OR ENGINEER.
7. NOTES: ALL NOTES SHOWN ON THE PLAN SHALL BE CONSIDERED INCIDENTAL WORK AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THESE ITEMS.
8. WATER TESTS: GUTTERS SHALL BE TESTED WITH LESS THAN 1% SLOPE. FINISH THE GUTTERS DURING THE TEST SO AS TO PREVENT ANY PONDING OF WATER.
9. DUST CONTROL: CONTRACTOR SHALL IMPLEMENT METHODS TO CONTROL DUST SUFFICIENTLY BOTH ON AND OFF SITE DURING SITE PREPARATION AND ACTUAL CONSTRUCTION BASIS SUFFICIENTLY. CONTRACTOR SHALL CLEAN SITE DAILY KEEPING IF FREE OF DUST, GRAVEL, AND OTHER CONSTRUCTION MATERIALS BY DAILY SWEEPING AND WATERING.

GRADING NOTE(S):

1. VEGETATION: IN ALL GRADED AREAS GRASS, WEEDS, AND ALL ROOTS SHALL BE REMOVED BY STRIPPING TO A MINIMUM DEPTH OF 12". VEGETATION SHALL BE CLEARED CONTAINING ORGANIC MATTER AND SHALL BE STOCKPILED ON THE SITE FOR USE IN THE LANDSCAPE AREAS, REMOVED TO APPROPRIATE LANDFILL SITE, OR AS DIRECTED BY THE OWNER. ALL EXCESS EXCAVATION FILL MATERIAL SHALL BE STOCKPILED ON THE SITE IN A LOCATION APPROVED BY THE PROJECT ENGINEER. THE EXTENT OF CUT OR FILL CANNOT BE ACCURATELY PROJECTED: ALL EARTH QUANTITY VALUES ARE ESTIMATES ONLY, BASED ON CURRENT INFORMATION.
2. EARTHWORK: ALL EARTHWORK AND SITE GRADING OPERATIONS INCLUDING CUTTING, FILLING, DRAINAGE, AND ROADWAY CONSTRUCTION SHALL BE PERFORMED UNDER THE OBSERVATION AND APPROVAL OF A REPRESENTATIVE OF THE PROJECT ENGINEER DURING ACTUAL FIELD OPERATIONS.
3. COMPACTION: COMPACT EARTH FILLS AND TRENCH BACKFILL PER ASTM D1557. MECHANICALLY COMPACT FILLS.
4. PLANTER BACKFILL: BACKFILL PLANTERS WITH TOPSOIL AS APPROVED BY THE LANDSCAPE ARCHITECT.
5. RETAINING WALLS: PRIOR TO THE POURING OF CONCRETE, THE RETAINING WALL CONSTRUCTION BE INSPECTED AND APPROVED BY THE PROJECT ENGINEER. IF THE HEIGHT OF THE RETAINING WALL IS TALLER THAN WHAT IS SHOWN ON THE PLANS, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED AND IF NECESSARY SHALL PROVIDE A PLAN REVISION.
6. SURFACE DRAINAGE: SLOPE SURFACE DRAINAGE AWAY FROM THE FOUNDATION: THE GROUND IMMEDIATELY ADJACENT TO THE FOUNDATION SHALL BE SLOPED AWAY FROM THE BUILDING AT A 5.0% SLOPE FOR A MIN. DISTANCE OF 10 FEET MEASURED PERPENDICULAR TO THE FACE OF THE WALL OR AND APPROVED ALTERNATE METHOD OF DIVERTING WATER AWAY FROM THE FOUNDATION SHALL BE USED. CONSIDERATION SHALL BE GIVEN TO THE POSSIBLE ADDITIONAL SETTLEMENT OF THE BACKFILL WHEN ESTABLISHING FINAL GROUND LEVEL ADJACENT TO THE FOUNDATION (C.B.C. SEC. 1829.2).
7. GRADING: SITE GRADING SHALL NOT COMMENCE UNTIL A GRADING PERMIT HAS BEEN ISSUED BY GOVERNING AGENCY. ALL GRADING SHALL BE PERFORMED PRIOR TO OCTOBER 15 AND THE PROJECT SHALL BE WINTERIZED FOR THE RAINY SEASON, AND NO FURTHER GRADING SHALL BE PERMITTED UNTIL APRIL 1. DURING GRADING OPERATIONS THE GRADING CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES ON BOTH THE SITE AND HAUL ROUTES. ALL GRADED AREAS SHALL BE HYDOSEEDED TO CONTROL EROSION OR THE APPROVED LANDSCAPE COVER INSTALLED BY OCTOBER 15.
8. CONTOURS PROPOSED CONTOURS SHOWN ARE ROUGH FINISH GRADE.
9. MAXIMUM CUT AND FILL SLOPES ARE 2:1 UNLESS OTHERWISE SHOWN.
11. THE PROJECT ENGINEER SHALL BE NOTIFIED A MIN. OF 2 WORKING DAYS PRIOR TO ANY REQUESTS FOR GRADING INSPECTIONS.

DRAINAGE NOTE(S):

1. FOUNDATION SUBDRAINS AND RETAINING WALL BACKDRAINS: SUBDRAINS AND BACKDRAINS SHALL BE SEPARATE FROM THE SURFACE AND ROOF DRAINS. RETAINING WALL DRAINS SHOULD EXTEND TO A DEPTH OF AT LEAST 12 INCHES BELOW THE INTERIOR SLAB OR CRAWL SPACE ELEVATION. ALL OTHER FOUNDATION DRAINS SHALL EXTEND A MINIMUM OF 6 INCHES BELOW THE INTERIOR SLAB OR CRAWL SPACE ELEVATION. FOUNDATION DRAINS SHALL CONSIST OF 4" PERF. PVC SDR-35, HOLES LAID DOWN, SLOPED TO DRAIN TO OUTLET BY GRAVITY WITH A MIN. SLOPE OF 1%.
THE CONTRACTOR SHALL VERIFY ALL FLOW LINE ELEVATIONS IN FIELD PRIOR TO INSTALLATION AND SHALL CONTACT CIVIL ENGINEER FOR DIRECTION AS REQUIRED. SEE STRUCTURAL AND/OR ARCHITECTURAL DRAWINGS FOR LOCATION OF SUBDRAINS RELATIVE TO LOCATION BEHIND FOUNDATIONS AND RETAINING WALLS. WATERPROOFING UNDER ALL CONCRETE SLABS, BEHIND THE CONCRETE RETAINING WALL AND FOR ALL CONCRETE FOOTINGS SHALL BE INSTALLED PER THE ARCHITECTURAL AND STRUCTURAL PLANS.
2. DRAIN INLETS: D.I. - DRAIN INLETS SHALL BE "NDS" OR CRISTI PRODUCTS OR APPROVED EQUAL. B-9 BOX SHALL BE CHRISTI BOX DRAIN BOX, 4" DI MAY BE ROUND 4" DIA., 6" D.I. MAY BE ROUND 6" DIA.,
9" D.I. SHALL BE 9"X9" SQUARE DRAIN BOX, 12" D.I. SHALL BE 12"X12" SQUARE DRAIN BOX, AND DRAIN INLET JUNCTION BOX SHALL BE PER THECOUNTY OF MARIN STANDARD DRAWINGS. SITE GRADING DRAINAGE: ALL GRADES SHOWN ARE FINISHED GRADES UON. PONDS OR PUDDLES WILL NOT BE ALLOWED. ALL YARD AREAS AND LANDSCAPE AREA SHALL BE GRADED WITH A MINIMUM OF 1.5% SLOPE TO A DRAINAGE SYSTEM. SEE STRUCTURAL AND ARCHITECTURAL PLANS FOR UNDER FOUNDATION AND ROOF LEADER DOWNSPOUT DRAINAGE REQUIREMENTS.
4. ROOF LEADER DOWNSPOUT COLLECTOR SYSTEM: SHALL BE INSTALLED WHERE SHOWN ON THE PLAN OR AS APPROVED BY THE ENGINEER. NOTIFY THE PROJECT ENGINEER IF ANY DISCREPANCIES EXISTING BETWEEN CIVIL AND ARCHITECTURAL PLANS. CONNECT ALL DOWNSPOUTS TO THE UNDERGROUND STORM DRAIN SYSTEM AND SHALL BE CONSIDERED INCIDENTAL TO THE STORM DRAIN SYSTEM. THE CONTRACTOR SHALL REVIEW THE STRUCTURAL FOUNDATION PLANS FOR ANY CONFLICTS WITH THE ROOF LEADER COLLECTORS AND THE GRADE BEAM FOOTINGS BENEATH PATIO AREAS AND RE-ROUTING MAY BE REQUIRED. ROOF LEADER DOWNSPOUTS SHALL BE COLLECTED IN 4" PVC SDR-35 COLLECTOR SYSTEMS OR BETTER AND DISCHARGE TO A PAVED SURFACE OR TO AN ESTABLISHED STORM DRAIN SYSTEM.
5. TRENCH EXCAVATION AND BACKFILL: SHALL CONFORM TO THE COUNTY OF MARIN STANDARD DRAWINGS.

LEGEND:

1. DISTANCES ARE IN FEET AND DECIMALS, THEREOF/
2. 1' CONTOUR INTERVAL SHOWN.
3. ELEVATION BASED ON ASSUMED DATUM, UNLESS OTHERWISE SHOWN.
4. TREE AND TRUNK AS NOTED.

O_{DS}	(N) 4" DIA. PVC - SDR-35 D.I. FOR DOWNSPOUT
O_{AD}	(N) AREA DRAIN NDS DRAIN COVER TO 4" SDR-35" PVC
———	(N) 4" DIA. PVC - SDR-35 PERFORATED PIPE W/ MIN. 16" GRAVEL WRAPPED IN FILTER FABRIC
———	(N) 4" PVC SOLID PIPE
———	DIRECTION OF SLOPE (2% MIN.)
52	(E) CONTOUR LINE
52	(N) CONTOUR LINE
TOW 140.5	CONC. FOOTING/RW WITH TOW - TOP OF WALL ELEVATION
X 140.5	(N) SPOT ELEVATION

SHEET NOTES:

1) SITE SURVEY AND TOPOGRAPHIC BASE MAP PROVIDED BY JOE CHAMBERS, OWNER.

SITE WORK PROJECT DATA

LOT SIZE = 60984 SF	
IMPERVIOUS SURFACE AREAS	PROPOSED
HOUSE FOOTPRINT	554 SF
ADU FOOTPRINT	554 SF
CARPORT FOOTPRINT	576 SF
WOOD DECKS	1,782 SF
STAIRS	910 SF
DRIVEWAY	1,782 SF
TOTAL	6,158 SF % = 6,158 SF/60,984 SF X 100
% = 100*(TOTAL/LOT SIZE)	10.1 % < 35% OK

CUT/FILL TABULAR DATA

CUT/FILL	RETAINING WALL
TOTAL FILL*	40 CY
TOTAL CUT*	55 CY
OFFHUAL*	15 CY

* CONTRACTOR IS RESPONSIBLE FOR PERFORMING THEIR OWN EARTHWORK QUANTITIES.

OBSERVATIONS AND INSPECTIONS:

OBSERVATIONS SHALL BE PROVIDED IN ADDITION TO INSPECTIONS BY THE GOVERNING AGENCIES AS

REQUIRED BY 2022 C.B.C. SECTION 1710.

OBSERVATIONS AND INSPECTIONS FOR STRUCTURAL CONFORMANCE TO THE APPROVED DRAWINGS SHALL BE PROVIDED BY THE PERSONS NOTED BELOW AND SHALL BE PROCEEDED BY 48 HOUR ADVANCED NOTICE.

PROVIDE FINAL LETTER OF CONFORMANCE TO THE BUILDING DEPARTMENT FOR OBSERVATIONS

CIVIL GRADING AND DRAINAGE BY: PETER MOECK P.E., 415-845-9032

SCOPE OF WORK
1. INSTALL NEW GARAGE, HOUSE, ADU, RETAINING WALLS, GRADING AND DRAINAGE.

ABBREVIATIONS FOR THIS PLAN:

A.C.	ASPHALT CONCRETE	MON.	MONUMENT
AD	AREA DRAIN	(N)	NEW
BLDG.	BUILDING	PL	PROPERTY LINE
BM	BENCH MARK	PM	PARKING METER
BW	BOTTOM OF WALL	PP	POWER POLE
CB	CATCH BASIN	R	RADIUS
C&G	CURB AND GUTTER	RCP	REINFORCED CONC. PIPE
CIP	CAST IRON PIPE	RR	RAILROAD
CMP	CORRUGATED METAL PIPE	R/W	RIGHT OF WAY
CONC.	CONCRETE	RWD	REDWOOD
CP#	CONTROL POINT NUMBER	S	SLOPE
CS	CRAWL SPACE	SS	SANITARY SEWER
DI	DROP INLET	SSCO	SS CLEAN OUT
D/W	DRIVEWAY	STD.	STANDARD
(E)	EXISTING	WE	SIDEWALK
EP	EDGE OF PAVEMENT	TC	TOP OF CURB
HDPE	HIGH DENSITY POLYETHYLENE PIPE	TOS	TOP OF SLAB
		TS	TURNING STRUCTURE
FH	FIRE HYDRANT	TW	TOP OF WALL
FL	FLOWLINE	VCP	VITRIFIED CLAY PIPE
IRR.	IRRIGATION	WM	WATER METER
JP	JOINT POLE		
LF	LINEAR FEET		
MH	MANHOLE		

DRAWING INDEX

PRELIMINARY NOT FOR CONSTRUCTION

REVISIONS	BY:

Peter Moeck, P.E.
Civil Engineer
353 Pine Hill Road
Mill Valley, CA 94941
Tel. 415-845-9032 pmoeck@yahoo.com

PROJECT:
NEW RESIDENCE AND ADU
22176 UMLAND CIR.
JENNER, CA 95450
APN. 109-420-034

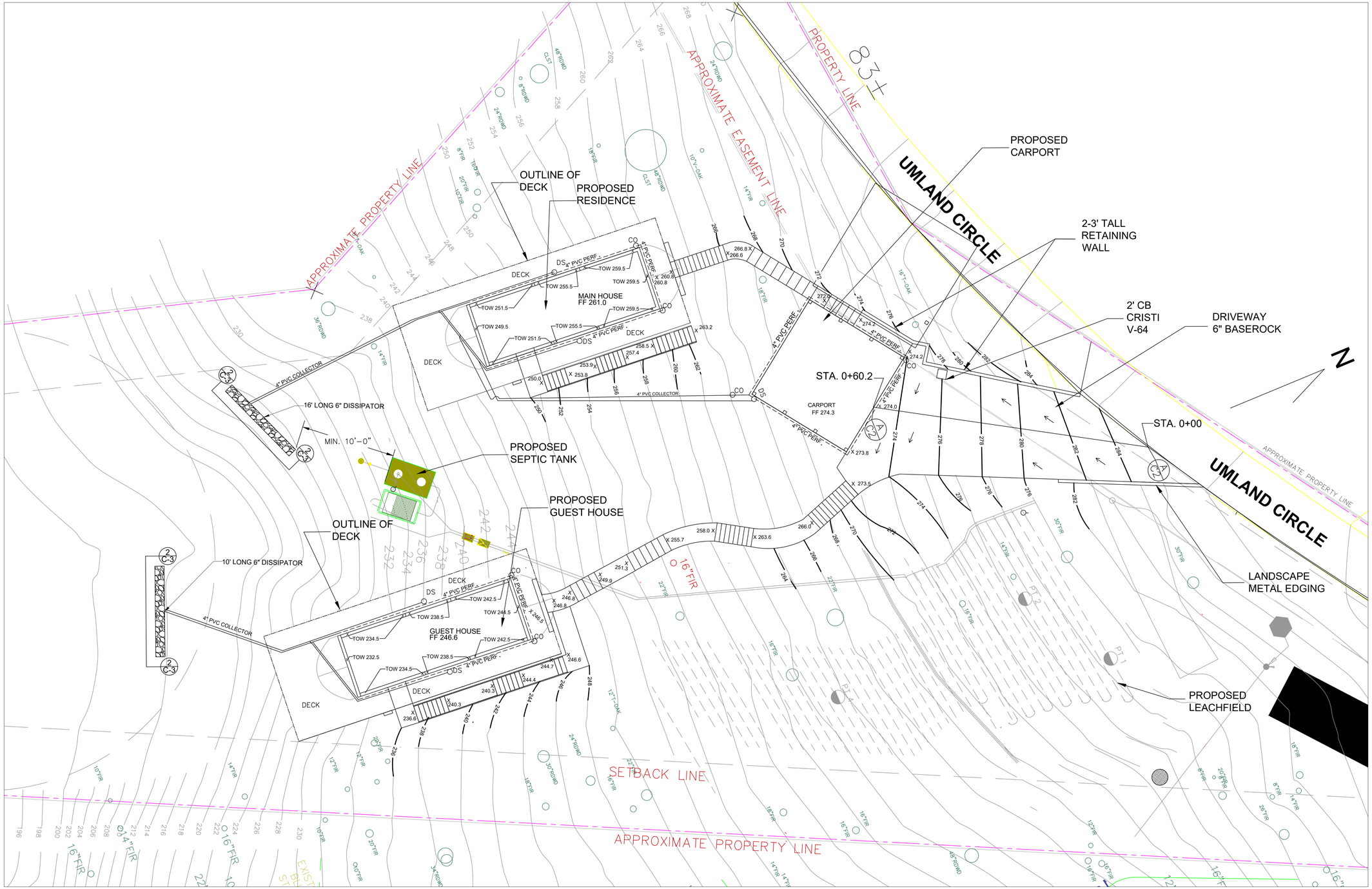
TITLE PAGE

DATE:
5-4-2024

SCALE:
AS NOTED

DRAWN:
P. MOECK

SHEET:
C-0



GRADING & DRAINAGE PLAN

SCALE: 1" = 10'

PRELIMINARY NOT FOR CONSTRUCTION

1	8-19-24	PMM
2	2-1-25	PMM

Peter Moeck, P.E.
Civil Engineer
353 Pine Hill Road
Mill Valley, CA 94941
Tel. 415-845-9032 pmoeck@yahoo.com

PROJECT:
NEW RESIDENCE AND ADU
22176 UMLAND CIR.
JENNER, CA 95450
APN. 109-420-034

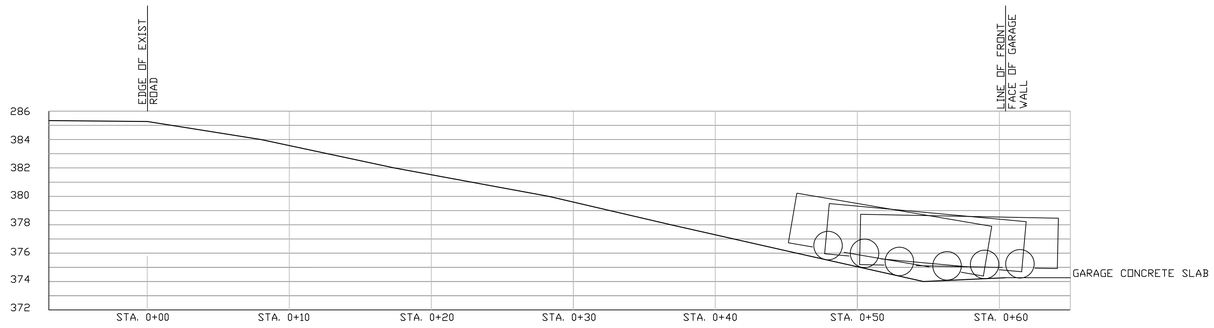
GRADING & DRAINAGE PLAN

DATE: 5-4-2024

SCALE: AS NOTED

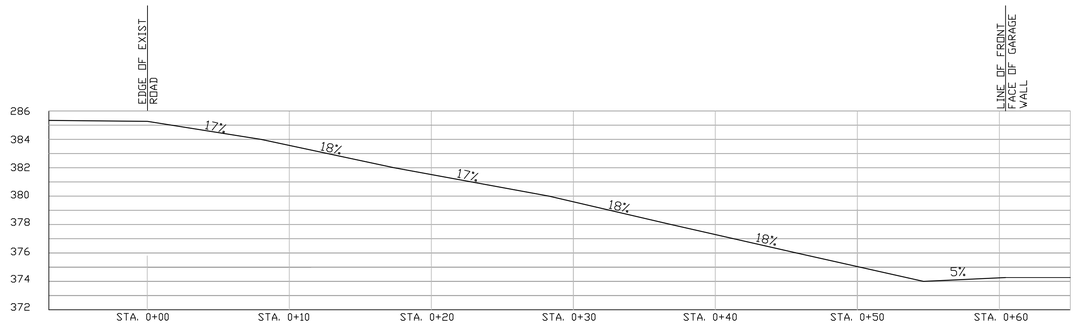
DRAWN: P. MOECK

SHEET: C-1



CAR MOVEMENTS TO CHECK BOTTOMING OUT

HOR=VERT. 1"=10'



DRIVEWAY SECTION A-A

HOR=VERT. 1"=5'

(N) DRIVEWAY GRADE

PRELIMINARY NOT FOR CONSTRUCTION

DRIVEWAY SECTION

SCALE: 1:10

REVISIONS	BY:

Peter Moeck, P.E.
Civil Engineer
353 Pine Hill Road
Mill Valley, CA 94941
Tel. 415-845-9032 pmoeck@yahoo.com

PROJECT:
NEW RESIDENCE AND ADU
22176 UMLAND CIR.
JENNER, CA 95450
APN. 109-420-034

DRIVEWAY SECTION

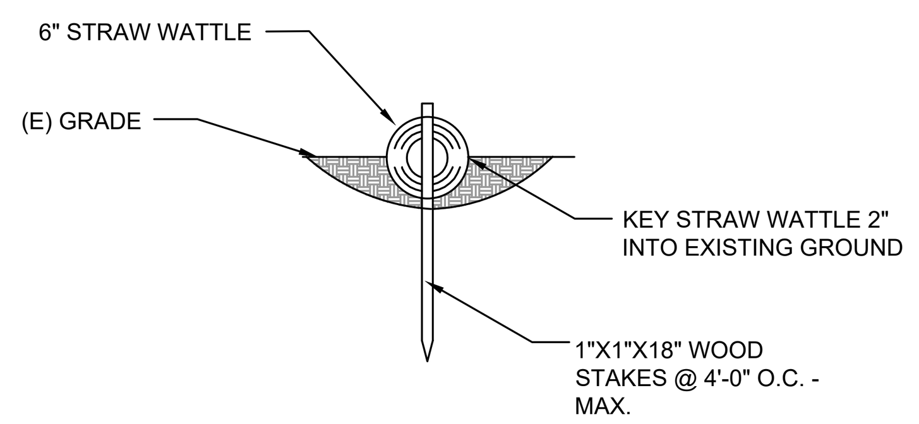
DATE:
5-4-2024

SCALE:
AS NOTED

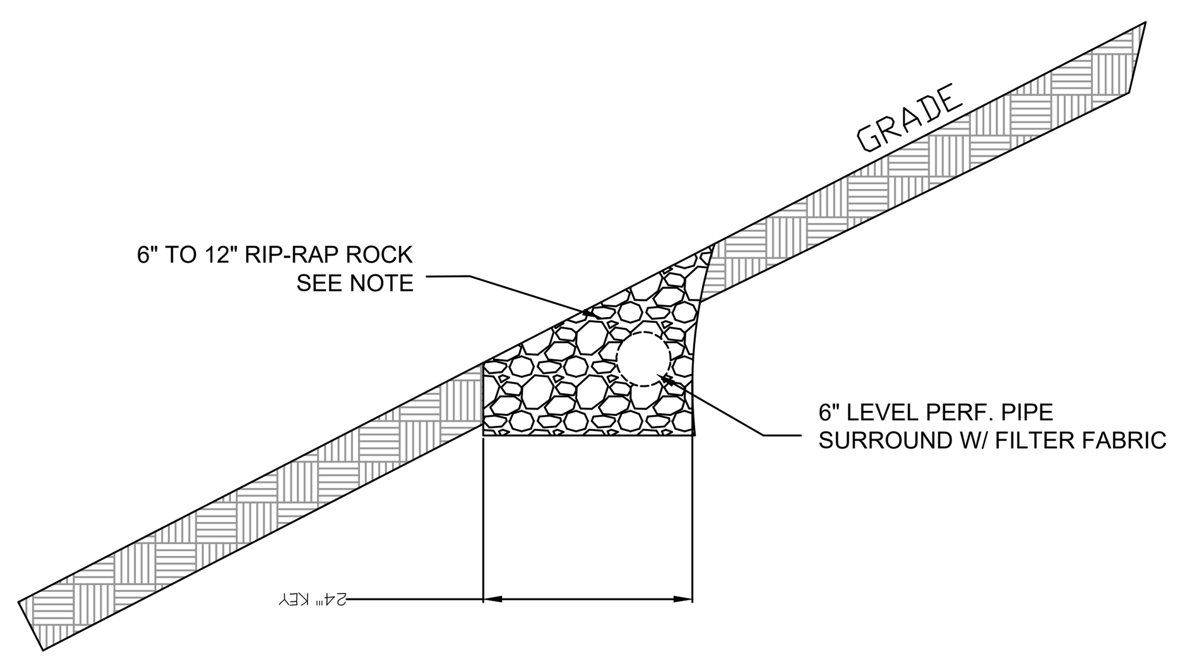
DRAWN:
P. MOECK

SHEET:

C-2

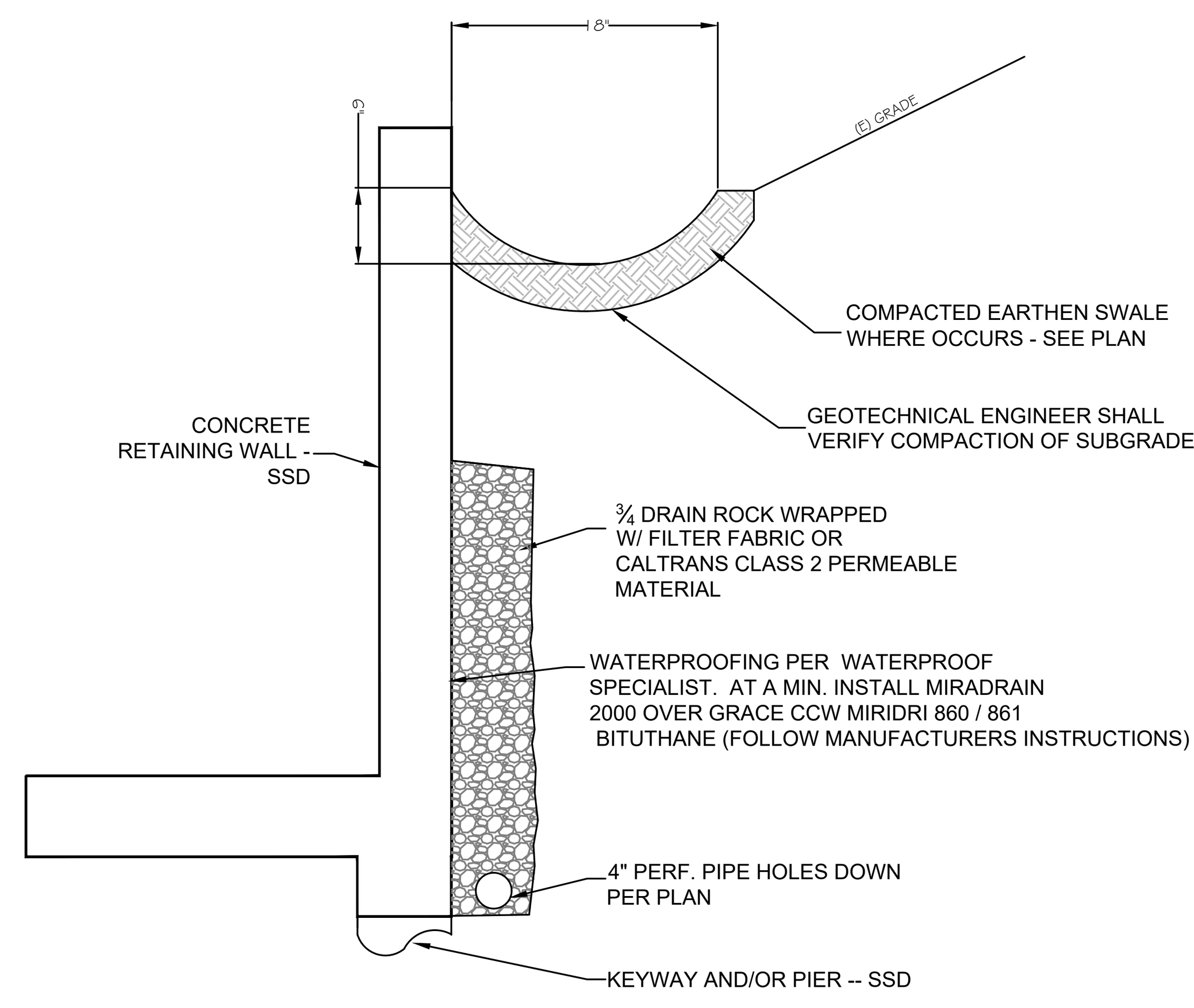


1 STRAW WATTLE
NTS

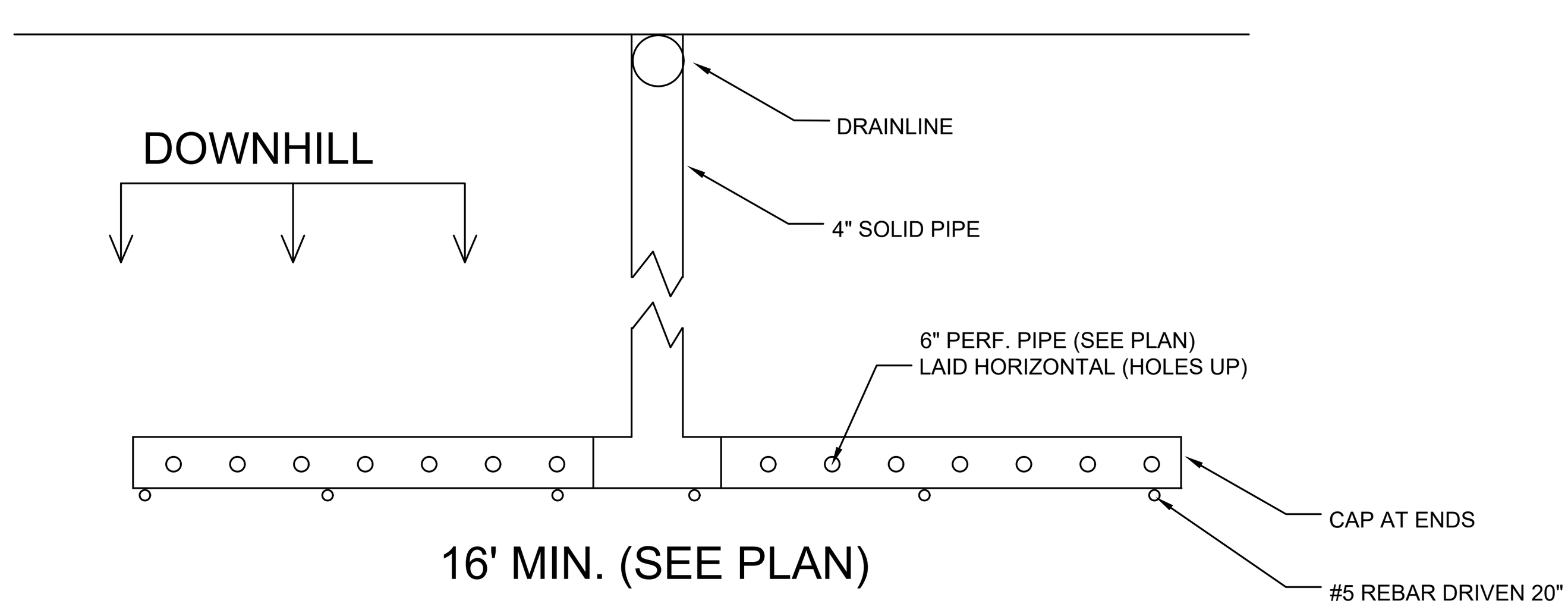


SECTION

NOTE: LEVEL AREA AND KEY ROCK @ LEVEL A FOOT HORIZONTAL BELOW PIPE.



3 RETAINING WALL
NTS

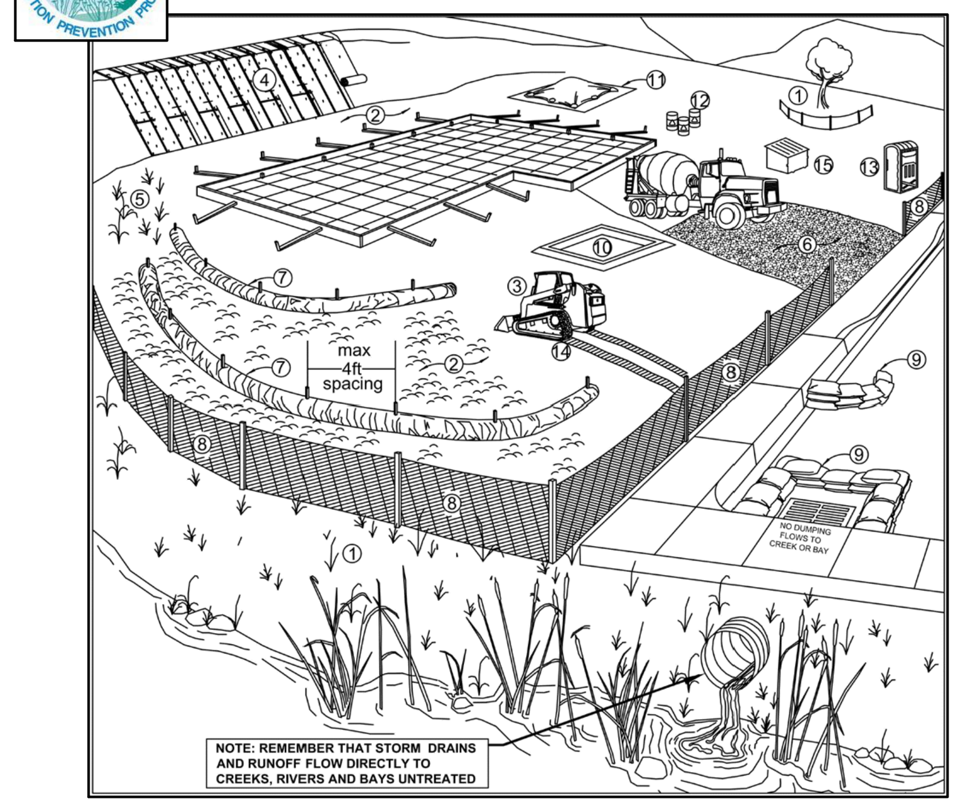


PLAN

2 DRAINAGE DISHCARGE (DISSIPATOR)
SCALE: NTS

PRELIMINARY NOT FOR CONSTRUCTION

Marin County Stormwater Pollution Prevention Program
Minimum Control Measures
For Small Construction Projects

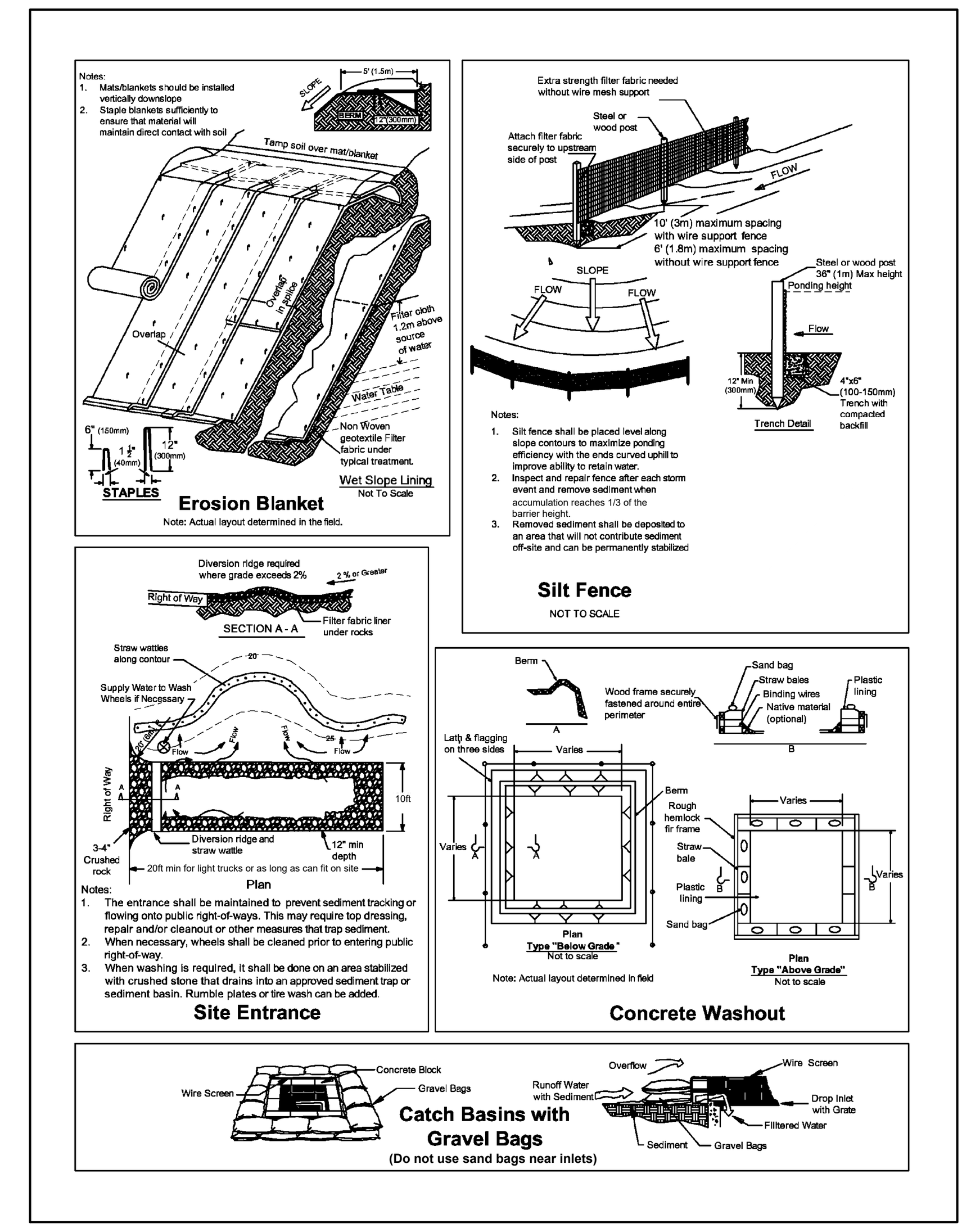


Erosion Controls	Sediment Controls	Good Housekeeping
NS Scheduling	6. Tracking Controls	10. Concrete Washout
1. Preserve Vegetation & Creek Set Backs	7. Fiber Rolls	11. Stockpile Management
2. Soil Cover	8. Silt Fence	12. Hazardous Material Management
3. Soil Preparation/ Roughening	9. Drain Inlet Protection	13. Sanitary Waste Management
4. Erosion Control Blankets	NS Trench Dewatering	14. Equipment and Vehicle Maintenance
5. Revegetation		15. Litter and Waste Management

NS=not shown on graphic

Note: Select an effective combination of control measures from each category, Erosion Control, Sediment Control, and Good Housekeeping. Control measures shall be continually implemented and maintained throughout the project until activities are complete, disturbed areas are stabilized with permanent erosion controls, and the local agency has signed off on permits that may have been required for the project. Inspect and maintain the control measures before and after rain events, and as required by the local agency or state permit.
More detailed information on the BMPs can be found in the related California Stormwater Quality Association (CASQA) and California Department of Transportation (Caltrans) BMP Factsheets. CASQA factsheets are available by subscription in the *California Best Management Practices Handbook Portal: Construction at http://www.casqa.org. Caltrans factsheets are available in the Construction Site BMP Manual March 2003 at http://www.dot.ca.gov/hq/construc/stormwater/manuals.htm.*
Visit www.mcstoppp.org for more information on construction site management and Erosion and Sediment Control Plans.

If you require materials in alternative formats, please contact:
415-473-4381 voice/TTY or disabilityaccess@co.marin.ca.us



Control Measure		General Description
Erosion Control Best Management Practices		
N/A	Scheduling	Plan the project and develop a schedule showing each phase of construction. Schedule construction activities to reduce erosion potential, such as scheduling ground disturbing activities during the summer and phasing *projects to minimize the amount of area disturbed. For more info see the following factsheets: CASQA: EC-1; or Caltrans: SS-1.*
1	Preserve Existing Vegetation and Creek Setbacks	Preserve existing vegetation to the extent possible, especially along creek buffers. Show creek buffers on maps and identify areas to be preserved in the field with temporary fencing. Check with the local Planning and Public Works Departments for specific creek set back requirements. For more info see the following *factsheets: CASQA: EC-2; or Caltrans: SS-2.*
2	Soil Cover	Cover exposed soil with straw mulch and tackifier (or equivalent). For more info see the following factsheets: *CASQA: EC-3, EC-5, EC-6, EC-7, EC-8, EC-14, EC-16; or Caltrans: SS-2, SS-4, SS-5, SS-6, SS-7, SS-8.*
3	Soil Preparation/ Roughening	Soil preparation is essential to vegetation establishment and BMP installation. It includes soil testing and amendments to promote vegetation growth as well as roughening surface soils by mechanical methods *(decompacting, scarifying, stair stepping, etc.). For more info see the following factsheets: CASQA: EC-15.*
4	Erosion Control Blankets	Install erosion control blankets (or equivalent) on disturbed sites with 3:1 slopes or steeper. Use wildlife-friendly blankets made of biodegradable natural materials. Avoid using blankets made with plastic netting or fixed aperture netting. See: http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf. For more info see *the following factsheets: CASQA: EC-7; or Caltrans: SS-7.*
5	Revegetation	Re-vegetate areas of disturbed soil or vegetation as soon as practical. For more info see the following *factsheets: CASQA: EC-4; or Caltrans: SS-4.*
Sediment Control Best Management Practices		
6	Tracking Controls	Stabilize site entrance to prevent tracking soil offsite. Inspect streets daily and sweep street as needed. Require vehicles and workers to use stabilized entrance. Place crushed rock 12-inches deep over a geotextile, using angular rock between 4 and 6-in. Make the entrance as long as can be accommodated on the site, ideally long enough for 2 revolutions of the maximum tire size (16-20 feet long for most light trucks). Make the entrance wide enough to accommodate the largest vehicle that will access the site, ideally 10 feet wide with sufficient radii for turning in and out of the site. Rumble pads or rumble racks can be used in lieu of or in conjunction with rock entrances. Wheel washes may be needed where space is limited or where the site *entrance and sweeping is not effective. For more info see the following factsheets: CASQA: TC-1; TC-3; or Caltrans: TC-1; TC-3.*
7	Fiber Rolls	Use fiber rolls as a perimeter control measure, along contours of slopes, and around soil stockpiles. On slopes space rolls 10 to 20 feet apart (using closer spacing on steeper slopes). Install parallel to contour. If more than one roll is used in a row overlap roll do not abut. J-hook end of roll upslope. Install rolls per either Type 1 (stake rolls into shallow trenches) or Type 2 (stake in front and behind roll and lash with rope). Use wildlife-friendly fiber rolls made of biodegradable natural materials. Avoid using fiber rolls made with plastic netting or fixed aperture netting. See: http://www.coastal.ca.gov/nps/Wildlife-Friendly_Products.pdf. Manufactured linear sediment control or compost socks can be used in lieu of fiber rolls. *For more info see the following factsheets: CASQA: SE-5 (Type 1); SE-12, SE-13; or Caltrans: SC-5 (Type 1 and Type 2).*
8	Silt Fence	Use silt fence as a perimeter control measure, and around soil stockpiles. Install silt fence along contours. Key silt fence into the soil and stake. Do not use silt fence for concentrated water flows. Install fence at least 3 feet back from the slope to allow for sediment storage. Wire backed fence can be used for extra strength. Avoid installing silt fence on slopes because they are hard to maintain. Manufactured linear sediment control *can be used in lieu of silt fences. For more info see the following factsheets: CASQA: SE-1; SE-12; or Caltrans: SC-1.*
9	Drain Inlet Protection	Use gravel bags, (or similar product) around drain inlets located both onsite and in gutter as a last line of defense. Bags should be made of a woven fabric resistant to photo-degradation filled with 0.5-1-in washed crushed rock. Do not use sand bags or silt fence fabric for drain inlet protection. For more info see the *following factsheets: CASQA: SE-10; or. Caltrans: SC-10.*
N/A	Trench Dewatering	Follow MCSTOPPP BMPs for trench dewatering. http://www.marincounty.org/depts/pw/divisions/mcstoppp/development/~/media/Files/Departments/PW/mcstoppp/development/TrenchingSWReqMCSTOPPPFinal6_09.pdf. *For more info see the following factsheets: CASQA: NS-2; or Caltrans: NS-2.*
Good Housekeeping Best Management Practices		
10	Concrete Washout	Construct a lined concrete washout site away from storm drains, waterbodies, or other drainages. Ideally, place adjacent to stabilized entrance. Clean as needed and remove at end of project. For more info see the *following factsheets: CASQA: WM-8; or .Caltrans: WM-8.*
11	Stockpile Management	Cover all stockpiles and landscape material and berm properly with fiber rolls or sand bags. Keep behind the *site perimeter control and away from waterbodies. For more info see the following factsheets: CASQA: WM-3 or Caltrans: WM-3.*
12	Hazardous Material Management	Hazardous materials must be kept in closed containers that are covered and within secondary containment; *do not place containers directly on soil. For more info see the following factsheets: CASQA: WM-6; or Caltrans: WM-6.*
13	Sanitary Waste Management	Place portable toilets near stabilized site entrance, behind the curb and away from gutters, storm drain inlets, and waterbodies. Tie or stake portable toilets to prevent tipping and equip units with overflow pan/tray (most *vendors provide these). For more info see the following factsheets: CASQA: WM-9; or Caltrans: WM-9.*
14	Equipment and Vehicle Maintenance	Prevent equipment fluid leaks onto ground by placing drip pans or plastic tarps under equipment. Immediately *clean up any spills or drips. For more info see the following factsheets: CASQA: NS-8, NS-9, and NS-10; or Caltrans: NS-8, NS-9, and NS-10.*
15	Litter and Waste Management	Designate waste collection areas on site. Use watertight dumpsters and trash cans; inspect for leaks. Cover at the end of each work day and when it is raining or windy. Arrange for regular waste collection. Pick up site *litter daily. For more info see the following factsheets: CASQA: WM-5; or Caltrans: WM-5.*

REVISIONS	BY:

Peter Moeck, P.E.
Civil Engineer
353 Pine Hill Road
Mill Valley, CA 94941
Tel. 415-845-9032 pmoeck@yahoo.com

PROJECT:
NEW RESIDENCE AND ADU
22176 UMLAND CIR.
JENNER, CA 95450
APN. 109-420-034

DETAILS, STORM WATER PREVENTION STANDARDS

DATE:
5-4-2024

SCALE:
AS NOTED

DRAWN:
P. MOECK

SHEET:
C-3