Exhibit C

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MONTEREY COUNTY
RESOURCE MANAGEMENT AGENCY
Carl P. Holm, AICP, Director

LAND USE & COMMUNITY DEVELOPMENT | PUBLIC WORKS & FACILITIES | PARKS

1441 Schilling Place, 2nd Floor (831)755-4800
Salinas, California 93901 www.co.monterey.ca.us/rma

NOTICE OF ISSUANCE OF AN EMERGENCY PERMIT (COASTAL ZONE)

PROPERTY OWNER:	Arnold Gazarian
REPRESENTATIVE:	Tom Reynolds
PROJECT DESCRIPTION:	Emergency Coastal Development Permit to stabilize a deck attached to a single-family dwelling which is slipping from a bluff damaged during a slide caused by previous excessive rainfall and subsurface seepage. Repairs consist of a hilfiker wall system.
PROJECT ADDRESS:	30 Yankee Point Drive, Carmel Highlands (Assessor's Parcel Number 243-141-009-000), Carmel Area Land Use Plan, Coastal Zone.
APN:	243-141-009-000
ISSUANCE DATE:	October 18, 2017
RMA-PLANNING FILE #:	PLN170607
RESOLUTION #:	17 - 065

NOTICE AND CAUSE OF EMERGENCY: Pursuant to Chapter 20.79 of the Monterey County Coastal Implementation Plan (Part 1) the applicant has requested an Emergency Coastal Development Permit, dated August 17, 2107. The permit will allow the construction of a hilficker wall system for the purpose of holding up a surficial slide that was created due to excessive rainfall. The purpose of Chapter 20.79, *Emergency Permits*, is to provide a means whereby development normally requiring discretionary approvals under this Title may be considered without the normally required public hearing processes to meet an emergency situation. The situation demands immediate action to prevent or mitigate circumstances that are detrimental to the safety, comfort, and general welfare of the persons occupying and working on the property. This project is statutorily exempt under 15269(b) of the CEQA Guidelines. This Administrative decision is appealable to the Monterey County Board of Supervisors and the California Coastal Commission pursuant to Sections 20.79.050.E, 20.86.030.A, and 20.86.080.A of the Monterey County Coastal Implementation Plan (Part 1). The project site is located at 30

Yankee Point, Carmel Highlands (Assessor's Parcel Number 243-141-009-000), Carmel Area Land Use Plan, Coastal Zone.

I. FINDINGS OF FACT

1. FINDING: An emergency situation exists which requires more expeditious action than the normal discretionary permit procedure.

EVIDENCE:

a) Applicant Tom Reynolds submitted an Emergency Coastal Development Permit application to Monterey County RMA-Planning on July 17, 2017, to request emergency construction of a Hilfiker wall system containing 17 row of approximately 22.5 feet to 45.7 feet long by 48 feet wide to repair a surficial slide in order to stabilize an attached deck that is slipping on the bluff. This is a permanent solution to the failing bluff. RMA-Planning considers this an emergency due to the risk to the house and concurs with the application for the issuance of an Emergency Coastal Development Permit. If allowed to persist, this situation could result in a serious risk to the current residents, and be detrimental to the health, safety, and general welfare of the Carmel Highlands community.

b) The project site is located at 30 Yankee Point Drive, Carmel Highlands (Assessor's Parcel Number 243-141-009-000), Carmel Area Land Use Plan, Coastal Zone. The underlying parcel is zoned Resource Conservation/20 acre minimum, with a Design Control Overly (Coastal Zone) [RC/20-D (CZ)].

c) The County granted preliminary authorization to proceed on October 17, 2017, due to the serious nature of the emergency and the potential for the complete loss of the residence.

d) The Coastal Commission staff has received the necessary documentation on July 17, 2017 in order to concur with the County's determination that an emergency exists; however has not responded in writing to date. A verbal recollection was confirmed by Mike Watson on Friday, October 13, 2017.

e) The project planner, on July 19, 2017, reviewed photographic evidence to confirm the emergency situation.

f) Plans and materials contained in project file PLN170607.

2. FINDING: The work authorized by the Emergency Permit is the minimum amount of work required to mitigate the emergency situation.

EVIDENCE:

a) This Emergency Coastal Development Permit authorizes construction of a Hilfiker wall system containing 17 row of approximately 22.5 feet to 45.7 feet long by 48 feet wide to stabilize a deck attached to a single-family dwelling which is slipping from a bluff damaged during a slide caused by previous excessive rainfall and subsurface seepage. Native plantings will enhance stabilization. No other development is allowed under this Emergency Coastal Development Permit (Condition No. 1).

b) Potential adverse environmental effects identified during staff review of the emergency permit application will be addressed through a follow-up development permit (Condition No. 4), required pursuant to Section 20.70 (Title 20, Coastal Zoning Ordinance). The permanent coastal development permit will address potential impacts related to biological (marine) resources.

c) Plans and materials contained in Project File PLN170607.

3. FINDING: The work authorized by the Emergency Coastal Development Permit is consistent with the provisions of the applicable Monterey County Local Coastal Program.

EVIDENCE:

a) The County has reviewed the request for an emergency permit to allow the stabilization of a coastal bluff for the purpose of saving an existing structure, and incorporated appropriate conditions that provide resource and environmental protection consistent with Coastal Zone policies contained in the Carmel Area Land Use Plan.

b) The County of Monterey has applied a condition of approval to require the applicant to apply for a follow-on coastal development permit (Condition No.4) within 60 days to address and mitigate potential impacts to environmentally sensitive habitat/biological resources.

c) This Emergency Coastal Development Permit expires sixty (60) days from the date of issuance. The owner/applicant shall obtain any required permits and initiate construction within that time frame (Condition No. 3).

d) Plans and materials contained in Project File PLN170607.

4. FINDING: The establishment, maintenance or operation of the use or structures approved by the Emergency Coastal Development Permit will not, under the circumstances of the particular case, be detrimental to the health, safety, peace, morals, comfort and general welfare of persons residing or working in the neighborhood of such approved use, or, be detrimental or injurious to property and improvement in the neighborhood, or to the general welfare of the County.

EVIDENCE:

a) The project was reviewed by Monterey County RMA-Planning. Conditions have been recommended, where appropriate, to ensure that the project will not have an adverse effect on the health, safety, and welfare of persons either residing or working on the property or in the neighborhood.

b) Finding Nos. 1, 2, and 3 above, and supporting evidence; and conditions of approval for this Emergency Coastal Development Permit.

c) Plans and materials contained in Project File PLN170607.

5. FINDING: This emergency activity is exempt from the requirements of the California Environmental Quality Act (CEQA).

EVIDENCE:

a) Section 15269(c of CEQA statutorily exempts emergency repairs to specific actions necessary to prevent or mitigate an emergency. If the hilfiker wall system is not installed, the deck that is attached to the single family-dwelling could potentially fall into the ocean.

b) The work authorized by this Emergency Coastal Development Permit allows construction of a hilfiker wall system containing 17 row of approximately 22.5 feet to 45.7 feet long by 48 feet wide to stabilize a deck attached to a single-family dwelling which is slipping from a bluff damaged during a slide caused by previous excessive rainfall and subsurface seepage.

c) Finding Nos. 1, 2, and 3 above, and supporting evidence; and conditions of approval for this Emergency Coastal Development Permit.
d) Plans and materials contained in Project File PLN170607.

II. DECISION OF THE ZONING ADMINISTRATOR

Based on the above findings and evidence, the Monterey County Zoning Administrator does hereby:

1) Find the project statutorily exempt per Section 15269(b) of the CEQA Guidelines; and
2) Grant an Emergency Coastal Development Permit, in general conformance with the attached sketch, and subject to four (4) conditions of approval, all being attached hereto and incorporated herein by reference.

Jacqueline R. Onciano, Zoning Administrator
October 17, 2017

Attachments: Conditions of Approval
Site Plan

cc: Zoning Administrator; California Coastal Commission; RMA-Public Works; RMA-Environmental Services; Environmental Health Bureau; Water Resources Agency; Arnold Gazarian, Owner; Tom Reynolds, Applicant; The Open Monterey Project (Molly Erickson); LandWatch; Elizabeth Gonzales, Planner; Project File PLN170607

Prepared by Elizabeth Gonzales, Associate Planner

Reviewed by Brandon Swanson, RMA Services Manager.
10.19.17

Monterey County RMA Planning

Conditions of Approval/Implementation Plan/Mitigation Monitoring and Reporting Plan

PLN170607

1. PD001 - SPECIFIC USES ONLY

Responsible Department: RMA-Planning

Condition/Mitigation Monitoring Measure: This Emergency Coastal Development Permit is to stabilize a deck attached to a single-family dwelling which is slipping from a bluff damaged during a slide caused by previous excessive rainfall and subsurface seepage. The property is located at 30 Yankee Point Drive, Carmel Highlands (Assessor's Parcel Number 243-141-009-000), Carmel Area Land Use Plan, Coastal Zone. This permit was approved in accordance with County ordinances and land use regulations subject to the terms and conditions described in the project file. Neither the uses nor the construction allowed by this permit shall commence unless and until all of the conditions of this permit are met to the satisfaction of the Director of RMA - Planning. Any use or construction not in substantial conformance with the terms and conditions of this permit is a violation of County regulations and may result in modification or revocation of this permit and subsequent legal action. No use or construction other than that specified by this permit is allowed unless additional permits are approved by the appropriate authorities. To the extent that the County has delegated any condition compliance or mitigation monitoring to the Monterey County Water Resources Agency, the Water Resources Agency shall provide all information requested by the County and the County shall bear ultimate responsibility to ensure that conditions and mitigation measures are properly fulfilled. (RMA - Planning)

Compliance or Monitoring Action to be Performed: The Owner/Applicant shall adhere to conditions and uses specified in the permit on an on-going basis unless otherwise stated.

2. PD002 - NOTICE PERMIT APPROVAL

Responsible Department: RMA-Planning

Condition/Mitigation Monitoring Measure: The applicant shall record a Permit Approval Notice. This notice shall state:An Emergency Permit (PLN170607) was approved by the Chief of Planning for Assessor's Parcel Number 243-141-009-000 on October 17, 2107. The permit was granted subject to 4 conditions of approval which run with the land. A copy of the permit is on file with Monterey County RMA - Planning."

Proof of recordation of this notice shall be furnished to the Director of RMA - Planning prior to issuance of grading and building permits, Certificates of Compliance, or commencement of use, whichever occurs first and as applicable. (RMA - Planning)

Compliance or Monitoring Action to be Performed: Prior to the issuance of grading and building permits, certificates of compliance, or commencement of use, whichever occurs first and as applicable, the Owner/Applicant shall provide proof of recordation of this notice to the RMA - Planning.

3. PD032 - PERMIT LENGTH

Responsible Department: RMA-Planning

Condition/Mitigation Monitoring Measure: This permit shall be granted for a specific period of time, with an expiration date as specified in the permit. (RMA - Planning)

Compliance or Monitoring Action to be Performed: Prior to the expiration date stated in the condition, the Owner/Applicant shall obtain a valid grading or building permit and/or commence the authorized use to the satisfaction of the Director of RMA-Planning. Any request for extension must be received by RMA-Planning at least 30 days prior to the expiration date.

4. PDSP001 - PERMANENT PERMIT APPLICATION (NON-STANDARD)

Responsible Department: RMA-Planning

Condition/Mitigation Monitoring Measure: Within 60 days (by December 17, 2017), the applicant shall submit an application request for a follow-up Coastal Development Permit, pursuant to Section 20.70 of the Monterey County Zoning Ordinance Part 1 (Title 20) for the construction of a permanent solution, development on slopes exceeding 30 percent, and possibly development within 100 feet of environmentally sensitive habitat. (RMA – Planning)

Compliance or Monitoring Action to be Performed:

RECOMMENDED GRADING SPECIFICATIONS FOR EARTHWORK

ET:1 GENERAL DESCRIPTION:

1.1 THIS ITEM SHALL CONSIST OF ALL CLEARING AND GRUBBING; PREPARATION OF LAND TO BE FILLED; EXCAVATION AND FILL OF THE LAND; SPREADING, COMPACTION AND CONTROL OF THE FILL; AND ALL SUBSIDIARY WORK NECESSARY TO COMPLETE THE GRADED AREA TO CONFORM WITH THE LINES, GRADES AND SLOPES AS SHOWN ON THE APPROVED PLANS.

1.2 THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT AND LABOR NECESSARY TO COMPLETE THE WORK AS SPECIFIED HEREIN, AS SHOWN ON THE APPROVED PLANS AS STATED IN THE PROJECT SPECIFICATIONS.

ET:2 TESTS:

2.1 THE STANDARD TEST USED TO DEFINE MAXIMUM DENSITIES OF ALL COMPACTION WORK SHALL BE THE A.S.T.M. D-1557, MOISTURE DENSITY OF SOILS, USING A 10-POUND RAM AND 18-INCH DROP. ALL DENSITIES SHALL BE EXPRESSED AS A RELATIVE DENSITY IN TERMS OF THE MAXIMUM DENSITY OBTAINED IN THE LABORATORY BY THE FOREGOING STANDARD PROCEDURE.

2.2 IN-PLACE DENSITY SHALL BE DETERMINED BY TEST METHODS A.S.T.M. D-1556, DENSITY OF SOIL IN-PLACE BY SAND CONE METHOD AND D-2922, DENSITY OF SOIL IN-PLACE BY NUCLEAR METHOD.

2.3 PAD ELEVATIONS SHALL BE CERTIFIED TO 0.1 FEET, PRIOR TO DIGGING ANY FOOTINGS OR SCHEDULING ANY INSPECTIONS.

ET:3 CLEARING, GRUBBING AND PREPARING AREAS TO BE EXCAVATED OR FILLED:

3.1 ALL VEGETABLE MATTER, IRREDUCIBLE MATERIAL GREATER THAN 4 INCHES AND OTHER DELETERIOUS MATERIALS SHALL BE REMOVED FROM THE AREAS IN WHICH GRADING IS TO BE DONE. ALL STUMPS AND ROOT MASSES OF REMOVED TREES ARE TO CLEARED FROM AREA OF CONSTRUCTION AND FILL PLACEMENT. SUCH MATERIALS NOT SUITABLE FOR REUSE SHALL BE DISPOSED OF AS DIRECTED.

3.2 AFTER THE FOUNDATION FOR FILL HAS BEEN CLEARED, IT SHALL BE BROUGHT TO THE PROPER MOISTURE CONTENT BY ADDING WATER OR AERATING AND COMPACTING TO A RELATIVE DENSITY OF NOT LESS THAN 90% OR AS SPECIFIED. COMPACTION OF FILL PLACED FOR LANDSCAPE ARE TO BE COMPACTED TO A RELATIVE DENSITY OF APPROXIMATELY 80% OR AS DIRECTED BY THE OWNER. THE SOILS SHALL BE TESTED TO A DEPTH SUFFICIENT TO DETERMINE QUALITY AND SHALL BE APPROVED BY THE SOILS ENGINEER FOR FOUNDATION PURPOSES PRIOR TO PLACING ENGINEERED FILL.

ET:4 MATERIALS:

4.1 THE MATERIAL FOR ENGINEERED FILL SHALL BE APPROVED BY THE SOILS ENGINEER BEFORE COMMENCEMENT OF GRADING OPERATIONS. ANY IMPORTED MATERIAL MUST BE APPROVED FOR USE BEFORE BEING BROUGHT TO THE SITE. THE MATERIAL USED SHALL BE FREE FROM VEGETABLE MATTER AND OTHER DELETERIOUS MATERIALS.

4.2 IMPORTED MATERIALS FOR ENGINEERED FILL SHALL CONSIST OF NON-EXPANSIVE SOIL WITH MAXIMUM AGGREGATE SIZE OF 4 INCHES, A PI LESS THAN 15 AND/OR A CU GREATER THAN 4 AND SHALL BE APPROVED BY THE ENGINEER.

ET:5 PLACING, SPREADING AND COMPACTING FILL MATERIAL:

5.1 THE SELECTED FILL MATERIAL SHALL BE PLACED IN LAYERS WHICH, WHEN COMPACTED, SHALL NOT EXCEED 6 INCHES IN THICKNESS. EACH LAYER SHALL BE SPREAD EVENLY AND SHALL BE THOROUGHLY MIXED DURING THE SPREADING TO ENSURE UNIFORMITY OF MATERIAL IN EACH LAYER. FILL SHALL BE PLACED SUCH THAT CROSS FALL DOES NOT EXCEED 1 FOOT IN 20 UNLESS OTHERWISE DIRECTED.

5.2 WHEN FILL MATERIAL INCLUDES ROCK OR CONCRETE RUBBLE, NO IRREDUCIBLE MATERIAL LARGER THAN 4 INCHES IN GREATEST DIMENSION WILL BE ALLOWED EXCEPT UNDER THE DIRECTION OF THE SOILS ENGINEER.

5.3 THE MOISTURE CONTENT OF THE FILL MATERIAL SHALL BE MAINTAINED IN A SUITABLE RANGE TO PERMIT EFFICIENT COMPACTION. THE SOILS ENGINEER MAY REQUIRE ADDING MOISTURE, AERATING, OR BLENDING OF WET AND DRY SOILS.

5.4 EACH LAYER SHALL BE COMPACTED TO THE SPECIFIED RELATIVE DENSITY. COMPACTION SHALL BE CONTINUOUS OVER THE ENTIRE AREA OF EACH LAYER.

5.5 FIELD DENSITY TEST SHALL BE MADE BY THE SOILS ENGINEER OF EACH COMPACTED LAYER. AT LEAST ONE TEST SHALL BE MADE FOR EACH 500 CUBIC YARDS OR FRACTION THEREOF, PLACED WITH A MINIMUM OF TWO TESTS PER LAYER IN ISOLATED AREAS. WHERE A SHEEP-FOOT ROLLER IS USED, THE SOIL MAY BE DISTURBED TO A DEPTH OF SEVERAL INCHES. DENSITY TESTS SHALL BE TAKEN IN COMPACTED MATERIALS BELOW THE DISTURBED SURFACE. WHEN THESE TESTS INDICATE THAT THE DENSITY OF ANY LAYER OF FILL OR PORTION THEREOF, IS BELOW THE REQUIRED DENSITY, THAT PARTICULAR LAYER OR PORTION SHALL BE REWORKED UNTIL THE REQUIRED DENSITY HAS BEEN OBTAINED.

5.6 ALL EARTH MOVING AND WORK OPERATIONS SHALL BE CONTROLLED TO PREVENT WATER FROM RUNNING INTO EXCAVATED AREAS. ALL SUCH WATER SHALL BE PROMPTLY REMOVED AND THE SITE KEPT DRY.

5.7 CUT AND FILL SLOPES STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL MUST BE APPROVED BY THE SOILS ENGINEER.

ET:6 SEASONAL LIMITS:

6.1 WHEN THE WORK IS INTERRUPTED BY RAIN, FILL OPERATIONS SHALL NOT BE RESUMED UNTIL FIELD TESTS BY THE SOILS ENGINEER INDICATE THAT THE MOISTURE CONTENT AND DENSITY OF THE FILL IS AS PREVIOUSLY SPECIFIED AND SOILS TO BE PLACED ARE IN SUITABLE CONDITION.

ET:7 UNUSUAL CONDITIONS:

7.1 IN THE EVENT THAT ANY UNUSUAL CONDITIONS ARE ENCOUNTERED DURING GRADING OPERATIONS WHICH ARE NOT COVERED BY THE SOIL INVESTIGATION OR THE SPECIFICATIONS, THE SOILS ENGINEER SHALL BE IMMEDIATELY NOTIFIED SUCH THAT ADDITIONAL RECOMMENDATIONS MAY BE MADE.

ET:8 COUNTY

8.1 A COPY OF ALL COMPACTION TESTS AND FINAL GRADING REPORTS SHALL BE SUBMITTED TO THE COUNTY PRIOR TO SCHEDULING ANY INSPECTIONS.

8.2 ALL GRADING SHALL CONFORM WITH THE MONTEREY COUNTY GRADING ORDINANCE #2535.

8.3 THE SOILS ENGINEER SHALL INSPECT THE BUILDING PAD AND FOUNDATION EXCAVATIONS & SUBMIT WRITTEN APPROVAL TO THE BUILDING INSPECTOR BEFORE REQUESTING FOUNDATION INSPECTION AND POURING OF ANY FOOTINGS.

EROSION CONTROL PLANNING

ER:1 GENERAL DESCRIPTION:

1.1 INSTALLATION OF THE EROSION PROTECTION FEATURES SHOULD CONFORM TO THE EXISTING AND PROPOSED GRADES AND CONSIDER THE TOPOGRAPHIC AND HYDROLOGIC FEATURES OF THE SITE. IT IS IMPORTANT TO MINIMIZE UNNECESSARY GRADING OF OR NEAR STEEP SLOPES. DISTURBING NATIVE VEGETATION AND NATURAL SOIL STRUCTURE ALLOWS RUNOFF VELOCITY AND TRANSPORT OF SEDIMENTS TO INCREASE. ALL DISTURBED AREAS ARE TO BE PROVIDED WITH EROSION CONTROL AS GIVE UNDER SECTION ER:3.

1.2 COLLECTED RUNOFF SHOULD BE RELEASED IN A CONTROLLED FASHION. COLLECTED RUNOFF FLOWS SHOULD BE DIRECTED INTO PIPES OR LINED DITCHES AND THEN ONTO AN ENERGY DISSIPATER TO REDUCE THE HYDRAULIC GRADIENT BEFORE DISCHARGING THE RUNOFF TO GRADE.

1.4 DE-SILTATION OF RUNOFF MAY TAKE FORM OF STILLING BASINS, GRAVEL BERM, TURF OR VEGETATION SCREENS, REFORESTATION, ETC..

1.5 FREE FLOWING STORM RUNOFF SHOULD NEVER BE DIRECTED TOWARDS STRUCTURE (ON OR OFF SITE), SEPTIC SYSTEMS OR STRUCTURES SENSITIVE TO FREE FLOWING WATER. COLLECTED DRAINAGE ADJACENT TO SENSITIVE STRUCTURES SHOULD BE CARRIED IN CLOSED CONDUIT OR LINED SURFACE DRAIN.

1.6 ANY SITE SOILS OR OTHER MATERIALS WHICH ARE DISTURBED SHALL BE ADEQUATELY WATERED TO PREVENT DUST FROM BECOMING AIRBORNE IN ACCORDANCE WITH LOCAL DUST CONTROL ORDINANCES.

ER:1 MATERIALS STORAGE:

2.1 DURING CONSTRUCTION, NEVER STORE CUT AND FILL MATERIAL WHERE IT MAY WASH INTO STREAMS OR DRAINAGE WAYS. SHOULD WEATHER THREATEN THE STORED MATERIALS IT SHOULD BE COVERED WITH PLASTIC OR APPROPRIATE RETENTION FACILITIES PROVIDED FOR DESILTATION OF THE STORM WATER PRIOR TO RELEASE.

2.2 KEEP ALL CULVERTS AND DRAINAGE FACILITIES FREE OF SILT AND DEBRIS. KEEP EMERGENCY EROSION CONTROL MATERIALS SUCH AS STRAW MULCH, PLASTIC SHEETING, AND SANDBAGS ON SITE AND INSTALL THESE AT THE END OF EACH DAY AS NECESSARY.

ER:3 RE-VEGETATION AND PLANTING:

3.1 RE-VEGETATE AND PROTECT EXPOSED SOILS BY OCTOBER 15. USE APPROPRIATE GRASS/LEGUME SEED MIXES AND/OR STRAW MULCH FOR TEMPORARY COVER. PLAN PERMANENT VEGETATION TO INCLUDE NATIVE AND DROUGHT TOLERANT PLANTS. SEEDING AND RE-VEGETATION MAY REQUIRE SPECIAL SOIL PREPARATION, FERTILIZING, IRRIGATION, AND MULCHING.

3.1.A RECOMMENDED SEED SCHEDULE IS AS FOLLOWS:
- 40 POUNDS PER ACRE OF CALIFORNIA BROME
- 15 POUNDS PER ACRE OF BLUE WILD RYE
- 4 POUNDS PER ACRE OF ZORRO FESCUE
- 6 POUNDS PER ACRE OF RED CREEPING FESCUE

3.2 IN THE ABSENCE OF A DETAILED EROSION CONTROL PLAN, THE WORK WILL BE PROTECTED IN ACCORDANCE WITH THE APPROPRIATE ORDINANCE, REGULATION AND/OR STANDARD PRACTICE WHICH EVER PROVIDES SATISFACTORY EROSION PROTECTION.

3.3 ACTUAL GRADING SHALL BEGIN WITHIN 30 DAYS OF VEGETATION REMOVAL OR THE AREA SHALL BE PLANTED TO CONTROL EROSION.

ER:4 COUNTY

4.1 ALL EROSION CONTROL MEASURES FOR GRADING SHALL BE IN PLACE AT THE END OF EACH WORKING DAY BETWEEN OCTOBER 15 AND APRIL 15.

4.2 ALL EROSION CONTROL MEASURES SHALL CONFORM WITH MONTEREY COUNTY EROSION CONTROL ORDINANCE #2806.

ABBREVIATIONS - USED WITH OR WITHOUT PERIODS (E.G. = EG)

AC	ASPHALTIC PAVEMENT
ACD	FINISH GRADE ASPHALTIC CONCRETE DRIVE
ACR	ACRE
APN	ASSESSORS PARCEL NUMBER
APRCH	DRIVEWAY APPROACH
BEG	BEGIN OR BEGINNING
BCR	BEGINNING OF CURB RETURN
BD	BACK DRAIN
BK	BACK
BTM	BOTTOM
BW	BOTTOM OF WALL
BWF	BASE OF WALL AT FACE (TALLEST FACE)
BWR	BASE OF WALL AT BACK (SHORTEST FACE)
C"NUMBER"	CURVE NUMBER, SEE TABLE
CB	CATCH BASIN
CD	FINISH GRADE CONCRETE DRIVE
CF	FINISH GRADE CONCRETE RESIDENTIAL FLOOR
CG	FINISH GRADE CONCRETE GARAGE FLOOR
CW	FINISH GRADE CONCRETE WALK
CL	CENTER LINE
CNTR	CENTER
CON	CONNECTION
CONST	ITEM TO BE CONSTRUCTED
CO	CLEAN OUT
CPV	CONCRETE PAVEMENT
CRTDN	CURTAIN DRAIN
CRWL	CRAWL SPACE
CRWN	CROWN
DI	DRAINAGE INLET
DIA	DIAMETER
DRTE	EXISTING GRADE OF DIRT
DRTF	FINISH GRADE OF DIRT
DS	DOWN SPOUT
E or (E)	EAST OR EXISTING
EX or (EX)	EXISTING
(EC)	"EXISTING" INFORMATION COMPUTED FROM SURVEY OR OTHERWISE NOTED DATA
ECR	END OF CURB RETURN
EDG	EDGE
EL	ELEVATION
END	END
EOC	END OF CURVE
EP	EDGE OF PAVEMENT
FF	FINISH FLOOR
FG	FINISH GRADE
FL	FLOW LINE
FT	FEET
GF	GARAGE FLOOR
GRGE	GARAGE
GRT	FINISH GRADE OF GRATE OR DRAINAGE INLET
HDPE	HIGH DENSITY POLYETHYLENE
HPS	HIGH PRESSURE SODIUM
ID	INSIDE DIAMETER
IN	IN
INS	INSIDE
INV	ELEVATION OF BOTTOM INSIDE OF PIPE (INVERT) OR BOTTOM OF TRENCH
J.U.	JOINT UTILITIES
L	LEFT
LAT	LATERAL
LATS	MULTIPLE, SEPARATE LATERALS
LF	LINEAR FEET
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
N or (N)	NORTH OR NEW
NW	NEW, TO BE INSTALLED, CONSTRUCTED OR FINISHED TO
OD	OUTSIDE DIAMETER
OS	OUTSIDE
P or (P)	PROPOSED
PAR	PARCEL
PER	PURSUANT TO
PL	PROPERTY LINE
PLTR	PLANTER
P.M.	PARCEL MAP
PV	PAVEMENT
PVC	POLY VINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
R OR (R)	RIGHT
RD	RADIUS
RES	RESIDENCE
RIMC	ELEVATION OF CENTER OF MANHOLE
RIMN or NRIM	ELEVATION OF NORTH EDGE OF MANHOLE
S	SOUTH
SD	STORM DRAIN
SDR	STANDARD DIAMETER RATIO OF PIPE
SE	SAND EQUIVALENCY
SHT	SHEET
SL	SLOPE
SOF	ELEVATION OF TOP INSIDE OF PIPE (SOFFIT)
SP	STANDARD PLAN
SS	SANITARY SEWER
STA+	DISTANCE FORWARD ON PROFILE
STA-	DISTANCE BACKWARD ON PROFILE
TC	TOP FACE (ROADSIDE) OF CURB
THR	THROUGH
TP	TOP
TRGH	TROUGH OR TRENCH DRAIN
TW	TOP OF WALL
TWB	TOP OF WALL AT BACK (SHORTEST FACE)
TWF	TOP OF WALL AT FACE (TALLEST FACE)
V	VOLTS
VOL	VOLUME
W	WEST
WA	WATTS
WD	WALL DRAIN
WYE	SEWER LATERAL CONNECTION
"	SECONDS OF ANGLE OR INCHES
'	MINUTES OF ANGLE OR FEET
°	DEGREES OF ANGLE

SPECIAL TESTS AND INSPECTION SCHEDULE

THE FOLLOWING ITEMS SHALL BE INSPECTED. "SPECIAL INSPECTION" SHALL CONFORM TO 2010 CBC 1704.7. SPECIAL INSPECTION AGENCIES AND/OR INDIVIDUALS SHALL BE RETAINED BY THE OWNER AND APPROVED BY THE BUILDING OFFICIAL PRIOR TO ANY WORK. FOR MATERIAL TESTING REQUIREMENTS, SEE SPECIFICATIONS AND/OR GENERAL NOTES. TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE BUILDING OFFICIAL AND ENGINEER.

ITEM	REQ.	REMARKS
FOUNDATION EXCAVATIONS	YES	BY SOIL ENGINEER / PERIODIC
SUBGRADE PREPARATION	YES	BY SOIL ENGINEER / PERIODIC
CLASSIFICATION/TESTING FILL MATERIAL	YES	BY SOIL ENGINEER / PERIODIC
OBSERVATION OF FILL MATERIAL/COMPACTION	YES	BY SOIL ENGINEER / CONTINUOUS
FOUNDATION	YES	BY SOIL ENGINEER / PERIODIC VERIFICATION - MATERIALS BLW FOOTING/ACHEIVE BEARING CAPACITY
MASONRY & CONCRETE CONSTRUCTION	YES	TO BE DETERMINED / PERIODIC
REINFORCING STEEL CONSTRUCTION	YES	TO BE DETERMINED / PERIODIC

SOILS ENGINEER TO PROVIDE OBSERVATION DURING GRADING AND FOUNDATION PHASE OF CONSTRUCTION.

LEGEND

EXISTING MAJOR TOPO LINE, 5 FT INTERVAL — 980

EXISTING MINOR TOPO LINE, 1 FT INTERVAL

EXISTING PROPERTY LINE — N37°55'30"W 649.62'

PROFILE OR SECTION LINE — A

PROPOSED MAJOR TOPO LINE, 1 FT INTERVAL — 1000

PROPOSED MINOR TOPO LINE, 0.50 FT INTERVAL

APPROXIMATE SOIL
GRADING DISTURBANCE AREA : 1,399 SQUARE FEET
SITE OPERATIONS DISTURBANCE AREA : 400 SQUARE FEET
TOTAL AREA TO BE DISTURBED : 1,799 SQUARE FEET

GRADING BALANCE

TOTAL CUT = 2.51 CUBIC YARDS
TOTAL FILL = 98.54 CUBIC YARDS
IMPORT = 98.54 CUBIC YARDS
SHRINKAGE FACTOR: NONE USED
VOLUME CALCS ARE TO FINISH GRADE AND DO NOT CONSIDER SPOILS (E.G. UNDERGROUND UTILITIES, PAVEMENT OR FOUNDATIONS).

NO TREES ARE TO BE REMOVED.

EXISTING UTILITIES

EXISTING UTILITIES ARE LOCATED WITHIN OR CLOSE TO AREAS OF PROPOSED GRADING. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS AND PRESERVE, IMPROVE OR RELOCATE AS NECESSARY. PERMITS ARE REQUIRED FOR INSTALLATION OR REPAIRS OF MOST UTILITIES AND WILL NEED TO BE OBTAINED AS REQUIRED PRIOR TO INSTALLATION OR REPAIR OF SUCH UTILITY.

ESTIMATED PROJECT SCHEDULE:
START: AUGUST 01, 2017 END: SEPTEMBER 01, 2017

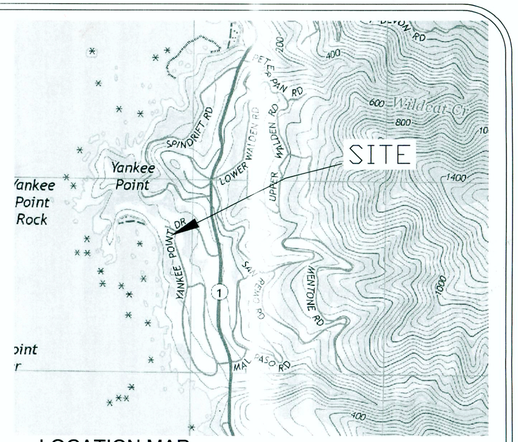
ALL OF THE CONSTRUCTION IS TO BE COMPLETED PRIOR TO OCTOBER 15, 2017.
NOTE: THE DIRECTOR OF BUILDING INSPECTION (BUILDING OFFICIAL) SHALL STOP OPERATIONS DURING PERIODS OF INCLEMENT WEATHER IF HE OR SHE DETERMINES THAT EROSION PROBLEMS ARE NOT BEING CONTROLLED ADEQUATELY (MCC 16.12.090B5)

PERSON RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL BMP INSTALLATION AND MAINTENANCE IS THE PROJECT CONTRACTOR AS NOTED ON THIS SHEET, C-0.

SPECIAL INSPECTIONS, BY A CERTIFIED SPECIAL INSPECTOR, ARE REQUIRED FOR EXISTING SITE COIL CONDITIONS, FILL PLACEMENT AND LOAD-BEARING REQUIREMENTS. DURING FILL PLACEMENT, THE SPECIAL INSPECTOR SHALL DETERMINE THAT PROPER MATERIALS AND PROCEDURES ARE USED IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT. (CBC1705.6)

IMPORT SOURCE: MARINA LAND FILL (ESTIMATED)

HAUL ROUTE: HIGHWAY 1 TO YANKEE POINT DRIVE.



LOCATION MAP
NOT TO SCALE

THESE PLANS DETAIL REPAIR OF A SUFICIAL SLIDE DUE TO EXCESSIVE RAINFALL AND SUBSURFACE SEEPAGE.

PROJECT OWNER:
MR. GARAZAN
30 YANKEE POINT DRIVE
CARMEL, CALIFORNIA 93922

PROJECT CONTRACTOR:
MR. TOM REYNOLDS
TOM REYNOLDS G.C. INC.
P.O. BOX 22526
CARMEL, CALIFORNIA 93922
(831) 915-1477

PROJECT CIVIL AND GEOTECHNICAL ENGINEER:
GRICE ENGINEERING, INC.
561A BRUNKEN AVENUE
SALINAS, CALIFORNIA 93901
(831) 422-9619

PROJECT SURVEYOR:
NONE

RECEIVED
MONTEREY COUNTY
PLANNING DEPARTMENT
JUL 17 2017

APPROVED PURSUANT TO
RESOLUTION NO.: 17-045
CONDITION NO.:
APPROVED BY: Jacqueline R. Alvarado
TITLE: Zoning Administrator
DATE: 10/18/2017

INDEX

REVISION DATES

PUBLISH 07/10/20

CONTINUED

GRICE ENGINEERING INC
ENGINEERING • GEOTECHNICS • HYDROLOGY • SOILS • FOUNDATIONS • EARTH STRUCTURES
561A Brunken Avenue Salinas, California Salinas: (831) 422-9619 Monterey: (831) 375-1198 FAX: (831) 422-1896

NOT VALID WITHOUT STAMP AND SIGNATURE

REGISTERED PROFESSIONAL ENGINEER LAWRENCE E. GRICE GCE 66857 Exp. 09-30-18 CIVIL STATE OF CALIFORNIA

LAWRENCE E. GRICE, P.E. ; R.C.E. 66857

PREPARED FOR:
TOM REYNOLDS G.C. INC.
P.O. BOX 22526
CARMEL, CALIFORNIA 93922

GAZARIAN RESIDENCE;
30 YANKEE POINT, CARMEL, CALIFORNIA

SLIDE REPAIR PLANS
TITLE AND SPECIFICATION SHEET

C-0
Date Plotted: Jul 13, 2017

GAZARIAN RESIDENCE
FILE NO. 6804-17.05

PROFILE 1
STA 0.00

PROFILE 2
STA 0.00

DECK

RESIDENCE

DECK

E. FENCE

4.97 FT
5.49 FT
6.43 FT
7.21 FT
8.13 FT
9.38 FT
10.45 FT
11.38 FT
12.16 FT
12.90 FT
13.33 FT
13.47 FT
13.58 FT
13.78 FT
13.68 FT
13.29 FT

ROW 17
ROW 16
ROW 15
ROW 14
ROW 13
ROW 12
ROW 11
ROW 10
ROW 9
ROW 8
ROW 7
ROW 6
ROW 5
ROW 4
ROW 3
ROW 2
ROW 1

45.66 FT
43.42 FT
41.11 FT
38.83 FT
36.70 FT
34.37 FT
32.00 FT
29.72 FT
27.40 FT
25.02 FT
22.68 FT
20.44 FT
18.20 FT
15.96 FT
13.73 FT
11.49 FT
9.25 FT

N 74°34'00" W 49.0000 FT

N 74°05'10" E 202.7000 FT

65
70
75
60
55
50
45
40

Scale: 1" = 4'

REVISION DATES
PUBLISH 07/10/2017

GRICE ENGINEERING INC

ENGINEERING • GEOTECHNICS • HYDROLOGY • SOILS • FOUNDATIONS • EARTH STRUCTURES

561A Brunken Avenue Salinas, California Salinas: (831) 422-9619 Monterey: (831) 375-1198 FAX: (831) 422-1896

NOT VALID WITHOUT STAMP AND SIGNATURE

REGISTERED PROFESSIONAL ENGINEER LAWRENCE E. GRICE R.C.E. 66857 Exp. 12-31-18 CIVIL STATE OF CALIFORNIA

LAWRENCE E. GRICE, P.E. ; R.C.E. 66857

PREPARED FOR:

TOM REYNOLDS G.C. INC.
P.O. BOX 22526
CARMEL, CALIFORNIA 93922

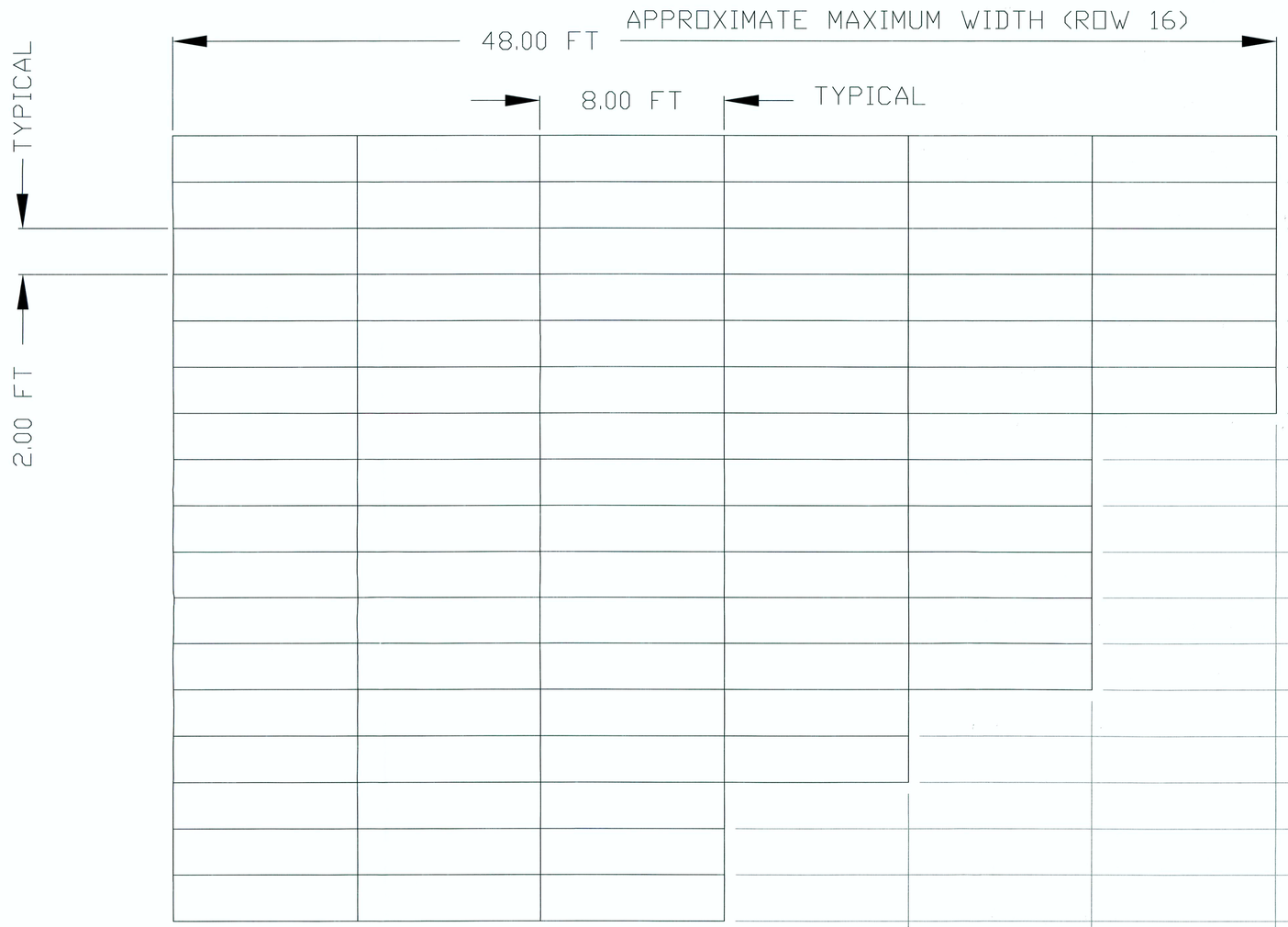
GAZARIAN RESIDENCE;
30 YANKEE POINT, CARMEL, CALIFORNIA

SLIDE REPAIR PLANS
PLAN OF SLIDE AREA

RECEIVED
JUL 17 2017
MONTEREY COUNTY PLANNING DEPARTMENT

C-1
Date Plotted: Jul 13, 2017

GAZARIAN RESIDENCE
FILE NO. 6804-17.05



ROW	LENGTH
17	45.7 FT
16	48.3 FT
15	46.6 FT
14	45.3 FT
13	43.9 FT
12	42.5 FT
11	41.3 FT
10	40.2 FT
9	37.8 FT
8	37.2 FT
7	35.6 FT
6	33.8 FT
5	31.7 FT
4	29.5 FT
3	27.5 FT
2	25.2 FT
1	22.5 FT

COLUMN	1	2	3	4	5	6	TOTAL SETS
COUNT	17 MATS	17 MATS	17 MATS	14 MATS	12 MATS	6 MATS	83 MAT SETS

ALL MATS TO BE HOT DIP GALVANIZED.
ALL MATS TO BE 10.5' DEEP AND OF W7 WIRE GAUGE.
ALL MAT SETS TO BE COMPRISED OF 1 PRONGLESS BOTTOM AND 1 TOP.
COLUMNS ARE SHOWN ALIGNED FOR SIMPLICITY. ACTUAL CONSTRUCTION WILL OFFSET COLUMNS.
ROW LENGTHS TO BE ADJUSTED DEPENDENT ON GROUND STRUCTURE.

REVISION DATES

PUBLISH 07/10/2017

GRICE ENGINEERING INC
ENGINEERING • GEOTECHNICS • HYDROLOGY • SOILS • FOUNDATIONS • EARTH STRUCTURES
561A Brunken Avenue Salinas, California Salinas: (831) 422-9619 Monterey: (831) 375-1198 FAX: (831) 422-1896

NOT VALID WITHOUT STAMP AND SIGNATURE

LAWRENCE E. GRICE, P.E. ; R.C.E. 66857

PREPARED FOR:
TOM REYNOLDS G.C. INC.
P.O. BOX 22526
CARMEL, CALIFORNIA 93922

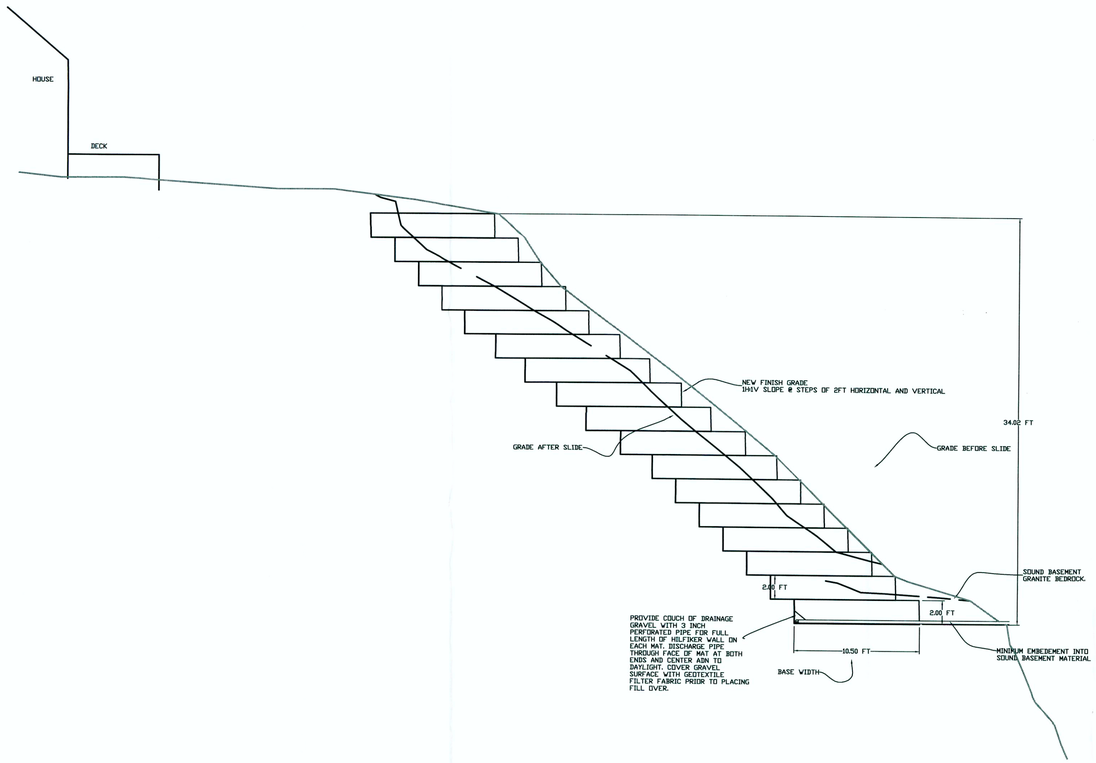
GAZARIAN RESIDENCE;
30 YANKEE POINT, CARMEL, CALIFORNIA

SLIDE REPAIR PLANS
MAT SCHEMATIC

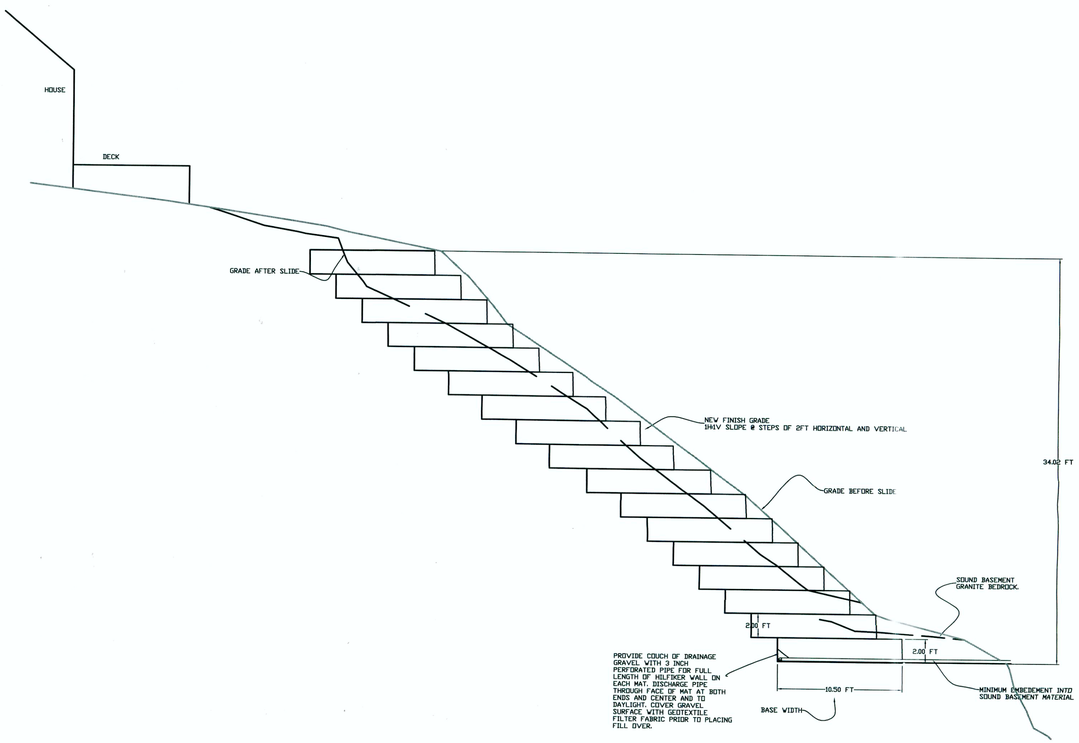
RECEIVED JUL 17 2017 MONTEREY COUNTY PLANNING DEPARTMENT

C-2
Date Plotted: Jul 13, 2017

GAZARIAN RESIDENCE
FILE NO. 6804-17.05



SECTION 1
SCALE 1 INCH = 6 FET



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SCALE 1 INCH = 6 FET

REVISION DATES

PUBLISH 07/10/2017

GRICE ENGINEERING INC
ENGINEERING . GEOTECHNICS . HYDROLOGY . SOILS . FOUNDATIONS . EARTH STRUCTURES
561A Brunken Avenue Salinas, California Salinas: (831) 422-9619 Monterey: (831) 375-1198 FAX: (831) 422-1896

NOT VALID WITHOUT STAMP AND SIGNATURE

LAWRENCE E. GRICE, P.E. ; R.C.E. 66857

PREPARED FOR:

TOM REYNOLDS G.C. INC.
P.O. BOX 22526
CARMEL, CALIFORNIA 93922

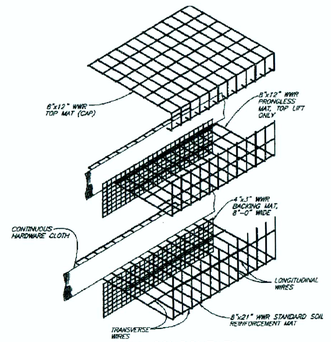
GAZARIAN RESIDENCE;
30 YANKEE POINT, CARMEL, CALIFORNIA

SLIDE REPAIR PLANS
SECTIONS

RECEIVED
JUL 17 2017
MONTEREY COUNTY
PLANNING DEPARTMENT

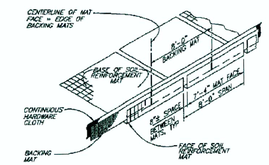
C-3
Date Plotted: Jul 13, 2017

GAZARIAN RESIDENCE
FILE NO. 6804-17.05



WALL COMPONENTS

NO SCALE



ASSEMBLED WALL COMPONENTS

MATERIALS

TOP (2) MATS: 8"x12" WWR (8" LONGITUDINAL SPACING)

STANDARD MATS: 8"x21" WWR (8" LONGITUDINAL SPACING)

BACKING MATS: 4"x21" WWR (4" HORIZ. SPACING)

HARDWARE CLOTH 1/4" GALV. WIRE MESH

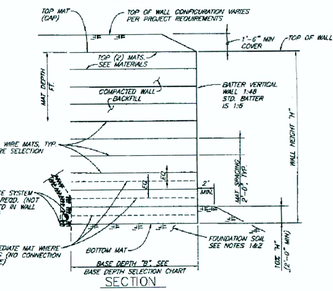
DESIGN NOTES

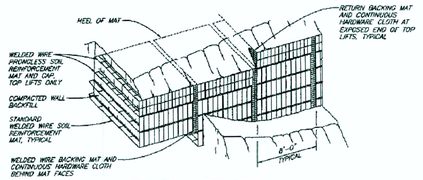
1. WALL BASE IN EMBANKMENT: A MINIMUM DEPTH OF 3 FEET OF COMPACTED FILL PER RELATIVE SOIL COMPACTION (AASHTO T-180) IS REQUIRED BELOW THE BASE OF ALL WALLS IN ORDER TO CONSTITUTE AN EMBANKMENT CONDITION. WHEN THE FOUNDATION PRESSURE IS BETWEEN 3.0 AND 6.0 KIPS/SQ. FT., EMBANKMENT BELOW THE WALL SHALL CONSIST OF "STRUCTURE BACKFILL".
2. WALL BASE IN ORIGINAL GROUND: ALLOWABLE SOIL PRESSURE AT TOE OF WALL SHALL BE DETERMINED BY FOUNDATION SITE INVESTIGATION. WALLS THAT ARE TO RETAIN CUT SLOPES SHALL BE DESIGNED FOR LATERAL AND TOE PRESSURES DETERMINED FROM SITE INVESTIGATION DATA. OVERALL STABILITY OF SLOPE WITH WALL IN PLACE MUST BE ANALYZED. IF ORIGINAL GROUND SLOPES AWAY FROM TOE OF WALL, REDUCTION IN ALLOWABLE BEARING CAPACITY DUE TO SLOPE SHALL BE CONSIDERED.
WALLS SHALL NOT BE FOUNDED IN ORIGINAL GROUND HAVING AN ALLOWABLE BEARING CAPACITY OF LESS THAN 2.0 KIPS/SQ. FT. CONSIDERATION SHOULD BE GIVEN TO REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL WITH "STRUCTURE BACKFILL".
3. THE MAXIMUM ALLOWABLE SOIL BEARING CAPACITY FOR WALLS FOUNDED IN EMBANKMENT IS 6.0 KIPS/SQ. FT.
4. MAT DIMENSIONS MAY BE ADJUSTED TO SPECIFIC SITE GEOMETRIC CONSTRAINTS.
5. ALL WIRE AND WELDED WIRE FABRIC SHALL CONFORM TO AASHTO M-32 (WWR) AND AASHTO M-55 (FABRIC), 65 KSI.
6. SOIL REINFORCING MAY BE GALVANIZED (OPTIONAL) IN CONFORMANCE WITH AASHTO M-111 FOLLOWING FABRICATION. (2.0 OZ/FT² MIN.)
7. THE DESIGN IS PER AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 2002, DIVISION I, MECHANICALLY STABILIZED EARTH (MSE) WALL SYSTEMS, CHAPTER 5, SECTION 5.
8. THE DESIGN PROVIDES A 75 YEAR SERVICE LIFE AND AN ULTIMATE LIFE IN EXCESS OF 100 YEARS IN CONFORMANCE WITH AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 2002, DIVISION I, MECHANICALLY STABILIZED EARTH (MSE) WALL SYSTEMS, SUBSECTION 5.6.6.1.

BACKFILL

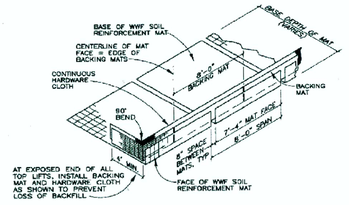
34" BACKFILL		TEST METHOD
SIEVE SIZE	PERCENT PASSING	AASHTO T-27
6 INCH	100	
3 INCH	75-100	
NO. 40	0-60	
NO. 200	0-15	
P.I. 6		AASHTO T-90
RESISTIVITY ≥ 3,000 OHM-CM		AASHTO T-288
PH= 4.5-9.5		AASHTO T-289
CHLORIDES <100 ppm		AASHTO T-291
SULFATES <200 ppm		AASHTO T-290
FRICTION ANGLE= 34° MINIMUM @ 90% OF AASHTO T-99 OPTIMUM MOISTURE CONTENT		AASHTO T-236

NOTES:
1. WHERE 60% OF THE BACKFILL IS GREATER THAN 3/4 INCH, PI AND FRICTION ANGLE TESTING IS NOT REQUIRED.
2. BACKFILL REQUIREMENTS ARE PER AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 2002, DIVISION II, STRUCTURE BACKFILL MATERIAL, SUBSECTION 7.3.6.1. BACKFILL MATERIAL OUTSIDE THE SPECIFICATIONS LISTED MAY BE CONSIDERED ON A PROJECT SPECIFIC BASIS.





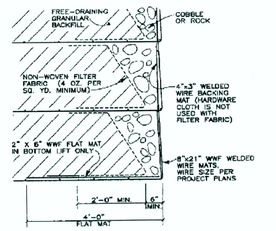
PICTORIAL ELEVATION



ISOMETRIC VIEW

WELDED WIRE WALL COMPONENTS WITH RETURN MAT

NOT TO SCALE

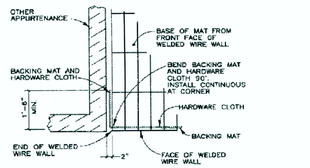


SECTION

COBBLE FACING DETAIL

NOT TO SCALE

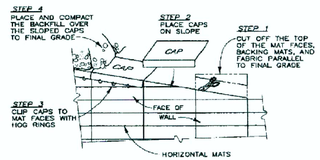
NOTE: THIS DETAIL IS TO BE USED ONLY AT STREAMBED INSTALLATION.



PLAN VIEW

WELDED WIRE WALL END AT OTHER APPURTENANCE

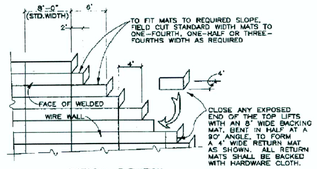
NOT TO SCALE



PICTORIAL ELEVATION

SLOPED CAP MAT DETAIL

NOT TO SCALE

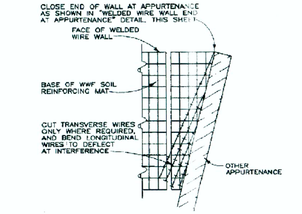


PICTORIAL ELEVATION

PARTIAL TOP MAT DETAILS

NOT TO SCALE

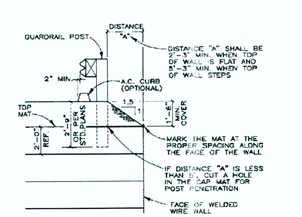
CAP MATS ARE NOT SHOWN FOR CLARITY



PLAN VIEW

DEFLECTED LONGITUDINAL WIRES

NOT TO SCALE



SECTION

GUARDRAIL DETAIL

NOT TO SCALE

(FENCE DETAIL SIMILAR)

REVISIONS				
NO.	DATE	BY	DESCRIPTION
1	6 JAN 03	CJR	MINOR REVISIONS

GRAPHIC SCALE: LINE IS 20 UNITS LONG ON ORIGINAL DRAWING (0, 10, 20)

PROJ.MGR. | ENGINEER | CADD BY DR

HILFIKER RETAINING WALLS
3300 Broadway Eureka, CA 95503
P.O. Box 2512 Eureka, CA 95502
707-443-5093 Fax 707-443-2881
Toll-free 800-762-8962
Web: http://hilfiker.com email: info@hilfiker.com

100 YEARS

DWG DATE 11/98 | REVISION DATE 6 JAN 03 | SCALE NOTED

STANDARD DRAWING

WELDED WIRE RETAINING WALL 24" LIFTS

MISCELLANEOUS DETAILS

PROJECT NO. | SHEET 2 OF

FEBRUARY 28, 2005

ORIGINAL SCALE IN INCHES FOR REDUCED SCALE 0 1 2 3

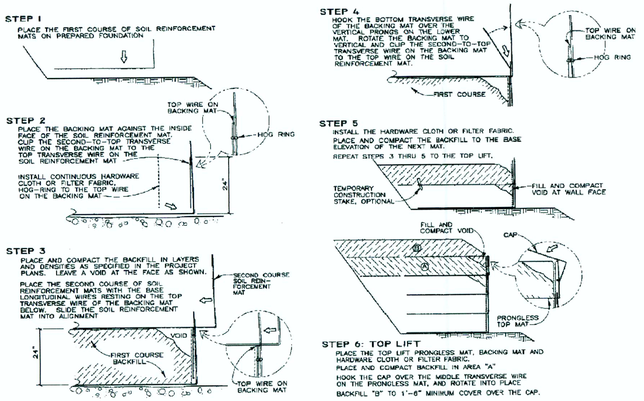
CU 4,343,572 4,329,089
WO 4,391,557 9,068,338

HILFIKER RETAINING WALLS

HILFIKER WELDED WIRE WALL WALL COMPONENTS AND NOTES

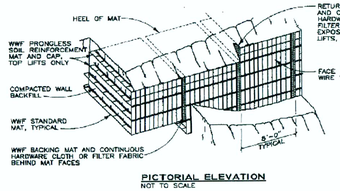
REVISION DATES

SHEET 1 OF 5



CONSTRUCTION SEQUENCE

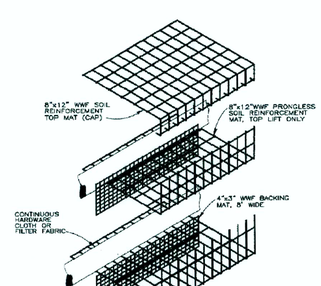
NOT TO SCALE



PICTORIAL ELEVATION

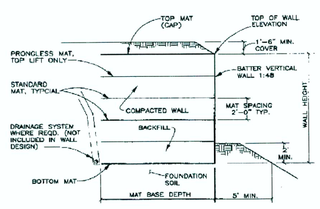
NOT TO SCALE

NOTES:
1. THESE DETAILS ARE INTENDED FOR INFORMATION ONLY. THEY MAY OR MAY NOT APPLY TO SPECIFIC PROJECTS.
2. THESE DETAILS SHOW HARDWARE CLOTH USED BEHIND THE FACE OF THE WALL. IN SOME APPLICATIONS, FILTER FABRIC MAY BE REQUIRED INSTEAD OF HARDWARE CLOTH. IN THAT CASE, THESE DETAILS SHOULD BE REVISED ACCORDINGLY.
3. WWF = WELDED WIRE FABRIC



WALL COMPONENTS

NOT TO SCALE



TYPICAL SECTION

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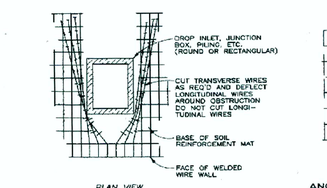
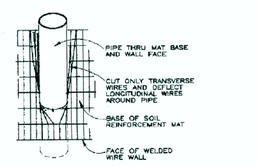


PLAN VIEW

MAT PENETRATION DETAIL

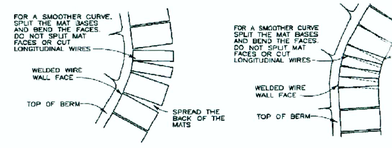
NOT TO SCALE



PLAN VIEW

ANGLED PIPE PENETRATION

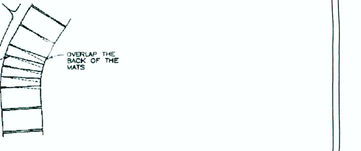
NOT TO SCALE



PLAN VIEW

CONCAVE CURVE

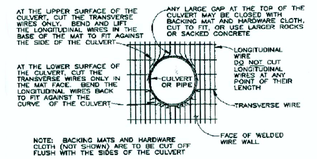
NOT TO SCALE



PLAN VIEW

CONVEX CURVE

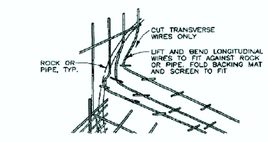
NOT TO SCALE



ELEVATION

CULVERT THRU WALL FACE

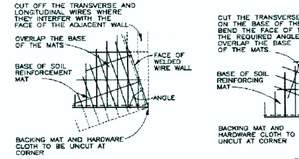
NOT TO SCALE



PICTORIAL

FITTING MATS TO OBSTRUCTION

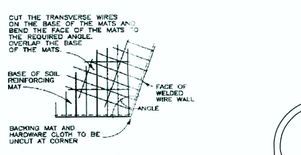
NOT TO SCALE



PLAN VIEW

ACUTE CONVEX ANGLE

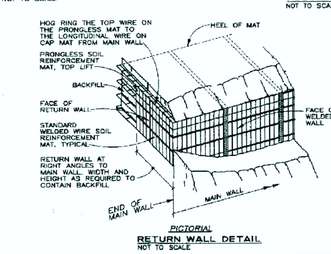
NOT TO SCALE



PLAN VIEW

OBTUSE CONVEX ANGLE

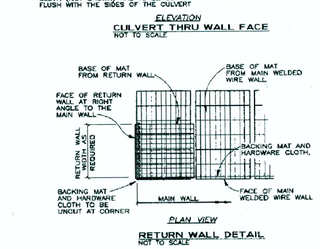
NOT TO SCALE



PICTORIAL

RETURN WALL DETAIL

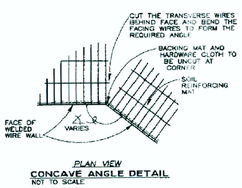
NOT TO SCALE



PLAN VIEW

RETURN WALL DETAIL

NOT TO SCALE



PLAN VIEW

CONCAVE ANGLE DETAIL

NOT TO SCALE

REVISIONS				
NO.	DATE	BY	DESCRIPTION
1	6 JAN 03	CJR	MINOR REVISIONS

GRAPHIC SCALE: LINE IS 20 UNITS LONG ON ORIGINAL DRAWING (0, 10, 20)

PROJ.MGR. | ENGINEER | CADD BY DR

HILFIKER RETAINING WALLS
3300 Broadway Eureka, CA 95503
P.O. Box 2512 Eureka, CA 95502
707-443-5093 Fax 707-443-2881
Toll-free 800-762-8962
Web: http://hilfiker.com email: info@hilfiker.com

100 YEARS

DWG DATE 11/98 | REVISION DATE 6 JAN 03 | SCALE NOTED

STANDARD DRAWING

WELDED WIRE RETAINING WALL 24" LIFTS

MISCELLANEOUS DETAILS

PROJECT NO. | SHEET 3 OF 3

REVISION DATES

PUBLISH 07/10/2017

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REGISTERED PROFESSIONAL ENGINEER — LAWRENCE E. GRICE — No. 66857 — CIVIL — STATE OF CALIFORNIA — Exp. 09-30-18

LAWRENCE E. GRICE, P.E. ; R.C.E. 66857

PREPARED FOR:

TOM REYNOLDS G.C. INC.
P.O. BOX 22526
CARMEL, CALIFORNIA 93922

GAZARIAN RESIDENCE;
30 YANKEE POINT, CARMEL, CALIFORNIA

SLIDE REPAIR PLANS
HILFIKER M.S.E. WALL DETAILS

RECEIVED JUL 17 2017 MONTEREY COUNTY PLANNING DEPARTMENT

C-4

Date Plotted: Jul 13, 2017

GAZARIAN RESIDENCE
FILE NO. 6804-17.05

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