GRADING, DRAINAGE PLAN & EROSION CONTROL PLAN

GENERAL NOTES 1. All grading and construction shall conform to City of Compton ETC and Appendix Chapter J (33) and Chapter 71 (Latest Edition) of the County of Los Angeles Building Code unless specifically noted on these plans. 2. Any modifications of or changes to approved grading plans must be approved by the Building Official. 3. No grading shall be started without first notifying the Building Official. A Pre-grading meeting at the site is required before the start of the grading with the following people present: Owner, grading contractor, design civil engineer, soils engineer, geologist, City grading inspector(s) or their representatives, and when required the archeologist or other iurisdictional agencies. Permittee or his agent are responsible for arranging Pre-grade meeting and must notify the Building Official at least two business days prior to proposed pre-grade meeting. 4. Approval of these plans reflect solely the review of plans in accordance with the County of Los Angeles Building Code and does not reflect any position by the County of Los Angeles or the Department of Public Works regarding the status of any title issues relating to the land on which the improvements may be constructed. Any disputes relating to title are solely a private matter not involving the County of Los Angeles or the Department of Public Works. 5. All grading and construction activities shall comply with County of Los Angeles Code, Title 12, Section 12.12.030 that controls and restricts noise from the use of construction and grading equipment from the hours of 7:00 PM to 7:00 AM, Monday through Saturday. No construction shall be permitted on Sundays and city Holidays. 6. California Public Resources Code (Section 5097.98) and Health and Safety Code (Section 7050.5) address the discovery and disposition of human remains. In the event of discovery or recognition of any human remains in any location other than a dedicated cemetery, the law requires that grading immediately stops and no further excavation or disturbance of the site, or any nearby area where human remains may be located, occur until the following measures have been taken: a. The County Coroner has been informed and has determined that no investigation of the cause of death is required, and b. If the remains are of Native American origin, the descendants from the deceased Native Americans have made a recommendation for the means of treating or disposing, with appropriate dignity, of the human remains and any associated grave goods. 7. The location and protection of all utilities is the responsibility of the Permittee. 8. All export of material from the site must go to a permitted site approved by the Building Official or a legal dumpsite. Receipts for acceptance of excess material by a dumpsite are required and must be provided to the Building Official upon request. 9. 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. 10. Site boundaries, easements, drainage devices, restricted use areas shall be located per construction staking by Field Engineer or licensed surveyor. Prior to grading, as requested by the Building Official, all property lines, easements, and restricted use areas shall be staked. 11. The standard retaining wall details shown on the grading plans are for reference only. Standard retaining walls are not checked, permitted, or inspected per the Grading Permit. A separate retaining wall permit is required for all standard retaining 12. If grading authorized by this plan is to extend through the rainy season, November 1 Through April 15 of the following year, separate updated plans for erosion control must be submitted prior to October per Section 3319.3 of the County of Los Angeles Building Code. 13. Transfer of Responsibility: If the civil engineer, the soils engineer, or the engineering geologist of record is changed during grading, the work shall be stopped until the replacement has agreed in writing to accept their responsibility within the area of technical competence for approval upon completion of the work. It shall be the duty of the permittee to notify the building official in writing of such change prior to the recommencement of such grading. 14. If these soils are contaminated, these soils must be hauled off-site to an approved Hazardous Waste Site approved by Los Angeles County and the State of California Department of Toxic Substances Control. **INSPECTION NOTES** 16. The permittee or his agent shall notify the Building Official at least one working day in advance of required inspections at following stages of the work. (Section 3317 of the Buildina Code.) (a) <u>Pre-grade</u> — Before the start of any earth disturbing activity of construction. (b) Initial. When the site has been cleared of vegetation and unapproved fill has been scarified, benched or otherwise prepared for fill. Fill shall not be placed prior to this inspection. Note: Prior to any construction activities, including grading, all storm water pollution prevention measures including erosion control devices which contain sediments must be installed (c) Rough. When approximate final elevations have been established; drainage terraces, swales and berms installed at the top of the slope; and the statements required in this Section have been received. (d) Final. When grading has been completed; all drainage devices installed; slope planting established, irrigation systems installed and the As-Built plans, required statements, and reports have been submitted and approved. Geotechnical Engineer Signature 17. In addition to the inspection required of the Building Official for regular grading, reports and statements shall be submitted to the Building Official in accordance with Sections 3317 of the County of Los Angeles Building Code. 18. All graded sites must have drainage swales, berms, and other drainage devices installed prior to sough grading approval. per Section 3317.6 of the County of Los Angeles Building Code. 19. The grading contractor shall submit the statement to the grading inspector as required by Section 3318.1 of the County of Los Angeles Building Code at the completion of rough grading. 20. Final grading must be approved before occupancy of buildings will be allowed per Section 3318 of the County of Los Angeles Building Code. DRAINAGE NOTES Civil Engineer Signature 21. Roof drainage must be diverted from graded slopes. 22. Provisions shall be made for contributory drainage at all times. 23. All storm drain work is to be done under continuous inspection by the field Engineer GENERAL GEOTECHNICAL NOTES 24. All work must be in compliance with the recommendations included in the geotechnical consultant's report(s) and the approved grading plans and specifications. 25. Grading operations must be conducted under periodic inspections by the geotechnical consultants with monthly inspection reports to be submitted to City. 26. The soil Engineer shall provide sufficient inspections during the preparation of the natural ground and the placement and compaction of the fill to be satisfied that the work is being performed in accordance with the plan and applicable Code requirements 27. Rough grading must be approved by a final engineering geology and soils engineering report. An As-Built Geologic Map must be included in the final geology report. Provide a final report statement that verifies work was done in accordance with report recommendations and code provisions (Section 3318.1 of the County of Los Angeles Building Code). The final report(s) must be submitted to City 28. Foundation, wall and pool excavations must be inspected and approved by the consulting geologist and soil engineer, prior to the placing of steel or concrete. 29. Building pads located in cut/fill transition areas shall be over-excavated a minimum of three (3) feet below the proposed bottom of footing.

SOIL ENGINEER

GSS ENGINEERING, INC. 11823 SLAUSON AVENUE, STE 46 SANTA FE SPRINGS, CA 90670

OWNER/CLIENT:

MEI-LIN CHEN 18482 AGUIRO STREET. ROWLAND HEIGHTS, CA 91748

LEGAL DESCRIPTION

LOT 12 OF BLK 12 OF BELLE-VERNON AC THE CITY OF COMPTON, COUNTY OF LOS STATE OF CALIFORNIA, AS PER MAP RECOR BOOK 9 PAGE 196 OF MAPS, IN THE OFF THE COUNTY RECORDER OF SAID COUNTY.

Date

FILL NOTES

30. All fill shall be compacted to the following minimum relative compaction criteria:

a. 90 percent of maximum dry density within 40 feet below finish grade.

b. 93 percent of maximum dry density deeper than 40 feet below finish grade, unless a lower relative compaction (not less than 90 percent of maximum dry density) is justified by the geotechnical engineer.

The relative compaction shall be determined by A.S.T.M. soil compaction test D1557-91 where applicable: Where not applicable, a test acceptable to the Building Official shall be used. (Section 3313.4 of the County of Los Angeles Building Code.) 31. Field density shall be determined by a method acceptable to the Building Official. (Section 3313.4 of the County of Los

Angeles Building Code.) However, not less than 10% of the required density test, uniformly distributed, and shall be obtained by the Sand Cone Method.

32. Sufficient tests of the fill soils shall be made to determine the relative compaction of the fill in accordance with the following minimum guidelines:

a. One test for each two-foot vertical lift.

b. One test for each 1,000 cubic yards of material placed.

c. One test at the location of the final fill slope for each building site (lot) in each four-foot vertical lift or portion thereof. d. One test in the vicinity of each building pad for each four-foot vertical lift or portion thereof

33. Sufficient tests of fill soils shall be made to verify that the soil properties comply with the design requirements, as determined by the Soil Engineer including soil types, shear strengths parameters and corresponding unit weights in accordance with the following guidelines:

a. Prior and subsequent to placement of the fill, shear tests shall be taken on each type of soil or soil mixture be used for all fill slopes steeper than three (3) horizontal to one vertical.

b. Shear test results for the proposed fill material must meet or exceed the design values used in the

geotechnical report to determine slope stability requirements. Otherwise, the slope must be reevaluated using the actual shear test value of the fill material that is in place.

c. Fill soils shall be free of deleterious materials.

34. Fill shall not be placed until stripping of vegetation, removal of unsuitable soils, and installation of subdrain (if any) have been inspected and approved by the Soil Engineer. The Building Official may require a "Standard Test Method for moisture, ash, organic matter, peat or other organic soils" ASTM D-2974-87 on any suspect material. Detrimental amounts of organic material shall not be permitted in fills. Soil containing small amounts of roots may be allowed provided that the roots are in a quantity and distributed in a manner that will not be detrimental to the future use of the site and the soils engineer approves the use of such material.

35. Rock or similar material greater than 12 inches in diameter shall not be placed in the fill unless recommendations for such placement have been submitted by the Soil Engineer and approved in advance by the Building Official. Location, extent, and elevation of rock disposal areas must be shown on an "As Built" grading plan.

36. Continuous inspection by the Soil Engineer, or a responsible representative, shall be provided during all fill placement and compaction operations where fills have a depth greater than 30 feet or slope surface steeper than 2:1. (Section 3313.7 of the County of Los Angeles Building Code)

37. Continuous inspection by the Soil Engineer, or a responsible representative, shall be provided during all subdrain installation. (Section 3313.7 of the County of Los Angeles Building Code)

38. All subdrain outlets are to be surveyed for line and elevation. Subdrain information must be shown on an "As Built" aradina plan.

GEOTECHNICAL ENGINEER'S NOTE

This drawing has been reviewed and conforms to recommendations of report of geotechnical engineer's investigation project job number GSS-2653-1 dated 02/14/2019.

> 1/27/2019 Date

CIVIL ENGINEER'S NOTE

"The undersigned civil engineer hereby states that these plans were prepared by me or under my supervision and the plans conform to all pertinent provisions of Chapter 33, excavation and grading of the Uniform Building Code (19977 or latest), as ammended."

1/27/2019 Date

ENGINEERED GRADING REQUIREMENT

Field density shall be determined by Sand-Cone Method, A.S.T.M. D1556-Latest Version. In fine-grained cohesive soils field density may be determined by the Drive-Cylinder Method, A.S.T.M. D-2937-Latest Version, provided not less than 20% of the of the required density tests, uniformly distributed, are by the Sand-Done Method. The method of determining field density shall be shown in the compaction report. Other methods may be used if recommended by the Soils Engineer and approved in advance by the Building Official.

NOTES

- Engineer.
- the City's Public Works Department.
- of the drainage and offsite street improvements shown hereon. No detailed lines or grades shown including all existing utilities shown or not shown.
- The Contractor shall be required to sweep the street at the end of the day.

Onsite septic tanks, recommend the draining of any fluids or waste remaining in the tanks and the subsequent removal of these tanks by pouring a concrete slurry mix to 5 feet below grade. The upper 5 feet should be back-filled with compacted onsite soils.

All of earthwork quantities will be hauled at a hazardous waste dump site: Peck Road Gravel (address 128 East Live Oak Avenue, Monrovia, 626-574-1855)

LEGEND:

(527.63)	EXISTING ELEVATION
520.00	PROPOSED ELEVATION
(530)	EXISTING COUNTOUR
~	DRAINAGE PATTERN
	PROPOSED STRUCTURE
	PROPOSED 6' BLOCK WALL
SW	SIDE WALK
¢	LIGHT
<u> </u>	CENTER LINE
<u> </u>	PROPERTY LINE
(9)	CONSTRUCTION NOTES
-2000000000	SANDBAG LINE
* * *	PERVIOUS AREA
* * *	
· · · · · ·	IMPERVIOUS AREA

ABBREVIATIONS:

C/B Catch Basin
CBW Conc. Block Wall
CLF Chain Linked Fence
CONC Concrete
D/A Driveway Appron
EP Edison Pole
EX Existing
FF Finish Floor Elevation
FL Flow Line Elevation
GM Gas Meter
GM Gas Meter GV Gas Valve
GM Gas Meter GV Gas Valve RW Retaining Wall
GMGas Meter GVGas Valve RWRetaining Wall SMHSewer Manhole
GM Gas Meter GV Gas Valve RW Retaining Wall SMH Sewer Manhole TC Top of Curb Elevation
GM Gas Meter GV Gas Valve RW Retaining Wall SMH Sewer Manhole TC Top of Curb Elevation WM Water Meter

SHEET TITLE

C-1	Grading Plan
C-2	Grading Plan
C-3	BMP Exhibit
C-4	BMP Specific
C-5	Erosion Cont
C-6	Utilities Plan

	BENCH MARK		(CITY OF COMPTON		PLANS PREPAR
CRES, IN ANGELES, RDED IN ICE OF	B.M. NUMBER: ELEV. QUAD (YEAR) DESCRIPTION:	PY6977 75.795 2005 CS MON IN C.B. 300MM(1FT) E/O CF 1M(3.3FT) N/O BCR @ NE COR ALAMEDA ST (E BBL) & EUCLID AVE MKD (BM 5–19A 1964)	APPROVED BY:	CITY ENGINEER	DATE	Bill She TRANS A 534 El TEL

• The City's Public Works Department shall approve all offsite construction prior to removal and replacement. All pavement removals shall be saw cut to a clean straight edge. All offsite improvements shall be completed to the satisfaction of the City

• No grading shall commence prior to the approval of obtaining a grading permit from

• These plans have been checked by the City only for conformance with City codes and standards, compliance with development conditions and for general conceptual approval mathematical check was made for the accuracy of the existing or proposed dimensions,

• All work and grading operations shall be staked by a licensed civil engineer licensed to provide surveying services or licensed land surveyor approved by the owner.

T.CTOP OF CURB
FI FLOWLINE
F.GFINISH GRADE
F.SFINISH SURFACE
E E ELOOR FINISH
H.PHIGH POINT
P.PPOWER POLE
D/WDRIVEWAY
W M WATER METER
INVINVERTELEVATION
T.GTOP OF GRATE
(100.10) Existing Elevation
Wrought Iron Fence
🙇 Fire Hydrant
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, Drainage Plan & Erosion Control Plan & Drainage Plan Drawing cation & Details REVISION trol Plan NO DUMPING ~~~ DRAINS TO OCEAN L.A.M.C. 64.70 STORM DRAIN STENCIL DETAIL 2. WATER QUALITY OUTLET RESER WILLIAM C. SHEN NO. <u>C81681</u> GRADING, DRAINAGE PLAN & RED BY: EXP. <u>6/30/2019</u> CIVIL EROSION CONTROL PLAN SCALE: 1"=10' DATE: 4-11-201 APN: 6176-003-031 4-8-2019 Date SHEET No. 809 EAST PINE STREET MERICAN ENGINEERING COMPTON, CA 90221 C-11 LA MADERA AVE. Monte, CA 91732 L: (626)258-9330