

GRADING PLAN IN THE CITY OF FAIRFIELD STATE OF CALIFORNIA



365 FLOWER LANE
MOUNTAIN VIEW, CA 94043
PHONE: (888) 311-3013 FAX: (650) 695-1801

GRADING AND DRAINAGE PLAN

Vincent Chang Residence
466 36th Avenue
Fairfield, CA 94121

REV	DATE	DESCRIPTION

SIGN DATE	07-JUN-02
DATE AS NOTED	
DRAWN BY/YM	
CKD BY/ YM	
PROJECT #	

C-10

General Notes

- A copy of the grading permit and approved grading plans shall be in the possession of a responsible person and available at the site at all times.
- Any modifications of, or changes to, approved grading plans shall be approved by the City Engineer prior to implementation in the field.
- All graded sites shall have drainage swales, berms and other drainage devices approved at the rough grading stage.
- The Field Engineer shall set drainage stakes for all drainage devices.
- All storm drain work shall be done under continuous inspection by the Field Engineer. Weekly status reports shall be submitted by the Field Engineer to the Engineering Services Division.
- Final grading shall be approved before occupancy of buildings will be allowed.
- Construction of the retaining wall(s) shown on these plans requires a separate permit from the Building & Safety Division.
- All subdrain outlets shall be surveyed for line and elevation. This shall be shown on the as-built grading plan included in the final geotechnical and geology report.
- The faces of cut and fill slopes shall be prepared and maintained to control erosion. This control shall consist of jute netting and effective planting, or other devices satisfactory to the City Engineer. A preventative program to protect the slopes from potential damage from burrowing rodents is required. Owner shall inspect slopes periodically for evidence of burrowing rodents and at first evidence of their existence shall employ an exterminator for their removal.
- Where necessary, check dams, cribbing, riprap, or other devices or methods shall be employed for erosion control. Jute netting shall be immediately installed on any slopes having a vertical height of seven feet or more and steeper than 3:1 (H:V) to minimize or control erosion problems.
- Roof drainage shall be diverted from graded slopes.
- All construction and grading within Storm Drain easement shall be per approved Storm Drain plan.

Additional Grading Notes

- All grading slopes shall be planted and sprinkled.
- Standard 12 inch high berm is required at top of all graded slopes.
 - No fill to be placed, until the city grading inspector has inspected and approved the bottom excavation.
 - Man-made fill shall be compacted to a minimum relative compaction of 90% max. dry density within 40 feet below finish grade and 93% of max. dry density deeper than 40 feet below finish grade, unless a lower relative compaction (not less than 90% of max. dry density) is justified by the soils engineer.
 - Temporary erosion control to be installed between October 1. and April 15. Obtain Grading Inspector's and Department of Public Works approval of proposed procedures. (>200 CY)

Inspection Notes

- The permittee or their agent shall notify the Engineering Services Division at least one working day in advance of required inspections at following stages of the work:
 - Pre-grade item.
 - Initial. When the site has been cleared of vegetation and unapproved fill and it has been scarified, benched or otherwise prepared for fill. No fill shall be placed prior to this inspection.
 - Rough. When approximate final elevations have been established; drainage terraces, swales and berms installed at the top of the slopes;
 - Final. When grading has been completed; all drainage devices installed; slope planting established, irrigation systems installed and the Record Drawings (As-Built Plans), required statements, and reports have been submitted.
- In addition to the inspection required by the Engineering Services Division for Regular Grading, reports and statements shall be submitted to the City Engineer Geology and Soils Notes
- All recommendations included in the consultant's soil and geology reports shall be complied with and are a part of the grading specifications.
- Grading operations shall be conducted under periodic geologic inspection with monthly inspection reports to be submitted to the Engineering Services Division.
- The Consulting Geologist shall approve rough grading by final report prior to approval by the City Engineer. The final report shall include an as-built Geologic Map.

Address:

466 36th Avenue, Fairfield, CA 94121
Assessor's Parcel Number
0030-312-080

BASIS OF SURVEY:

THE BASIS OF THIS SURVEY IS FROM A TOPOGRAPHIC SURVEY CONDUCTED ON OCT. 2019 BY VIRGIL CHAVEZ LAND SURVEYING 721 TUOLUMINE STREET, VALLEJO, CA. 94590

BENCHMARK:

ELEVATIONS SHOWN HEREON ARE BASED ON NAVD 88.

THIS SITE IS IN FLOOD ZONE AE WITH A BFE OF 10 FEET. ACCORDING TO THE FEMA FIRM FM06095C0456F DATED 8/3/2016.

THE TOTAL AREA WITHIN THE DISTINCTIVE BORDER IS 7620 SQUARE FEET. THIS SUBDIVISION CREATES 2 PARCELS.

Property Owner

Vincent Chang

Owner's or Responsible Agent's Signature

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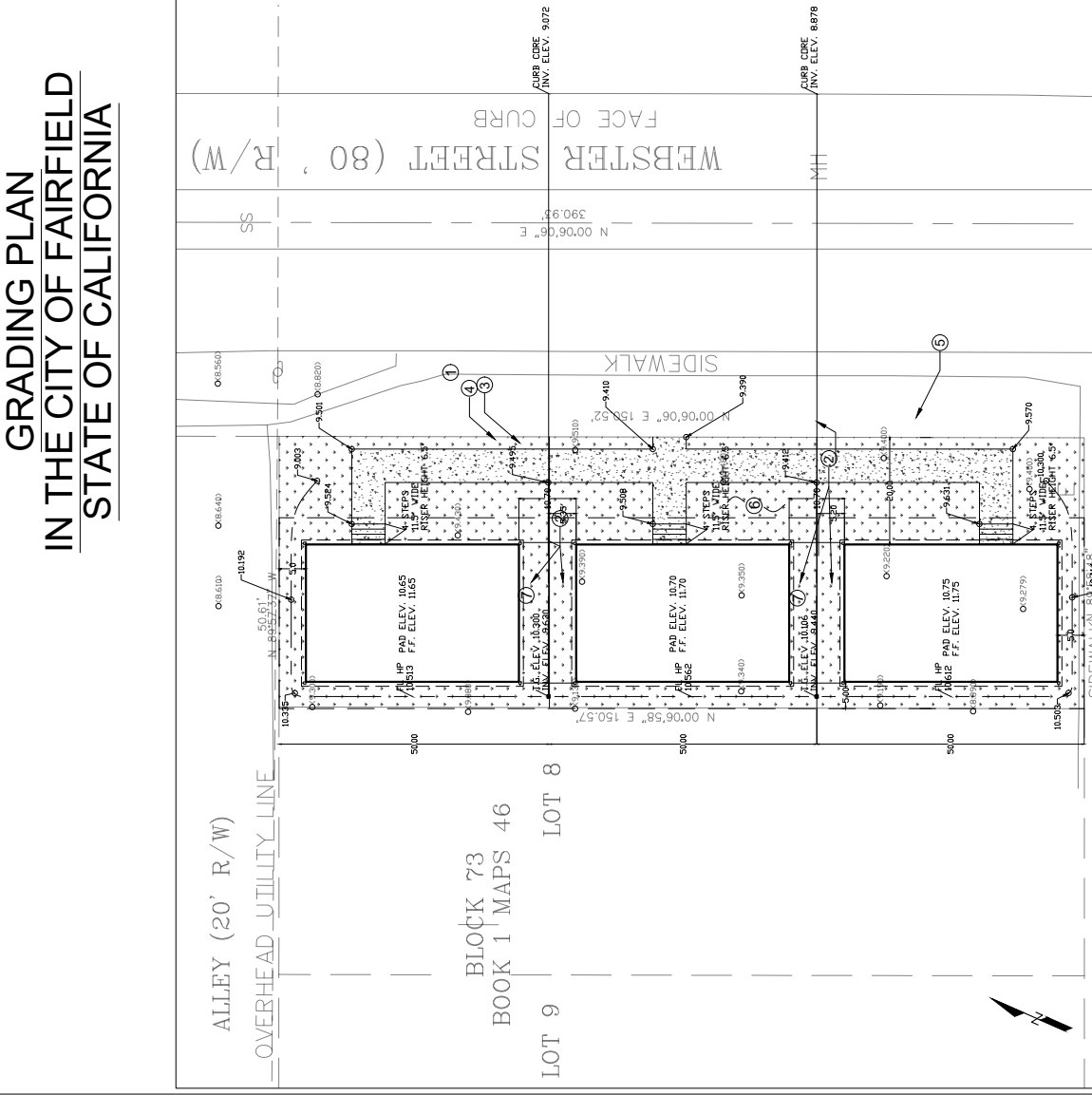
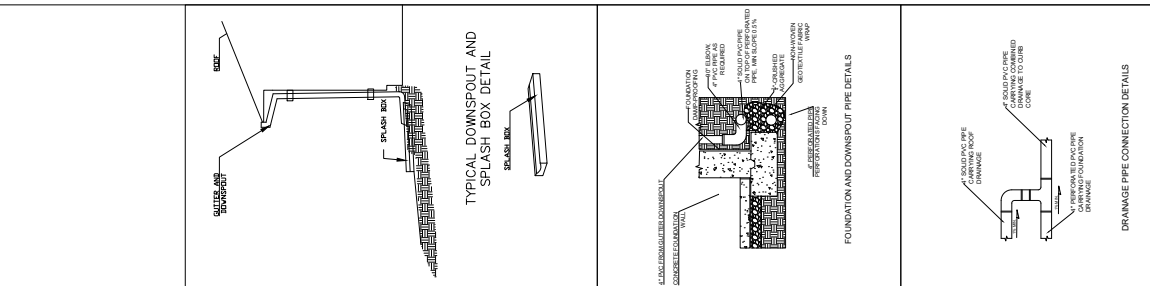
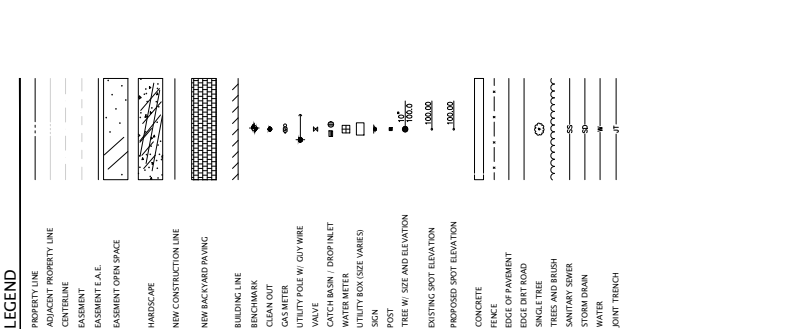
DESIGN EVEREST
CONSULTING ENGINEERS

365 FLOWER LANE
MOUNTAIN VIEW, CA 94043
PHONE: (888) 311-3013 FAX: (650) 695-1801

<p style="text-align: center;">Vincent Chang Residence 466 36th Avenue Fairfield, CA 94721</p> <p style="text-align: center;">GRADING AND DRAINAGE PLAN</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">REVISION</th> <th style="text-align: left;">DATE</th> <th style="text-align: left;">DESCRIPTION</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	REVISION	DATE	DESCRIPTION																											
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DATE	07/JUNE/22
SCALE	1" = 20'
DRAWN BY/CHK BY	YHM
PROJECT #	C-20

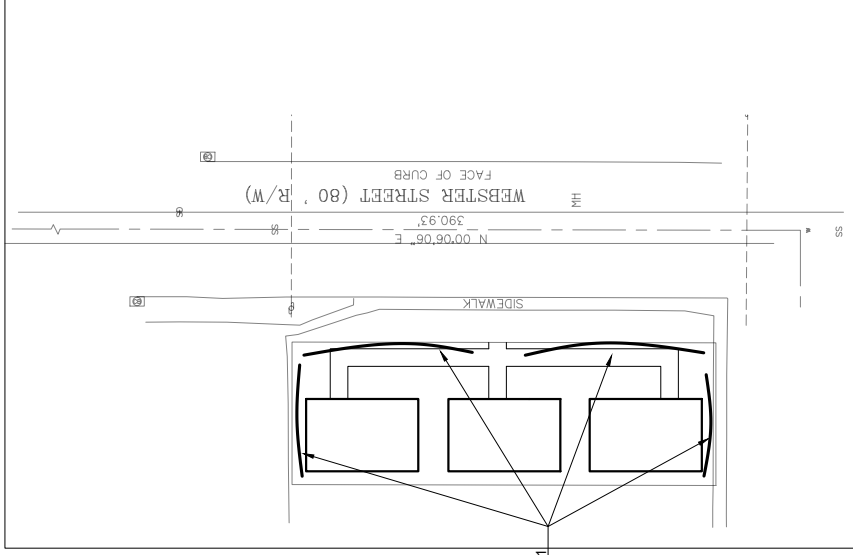
- NOTES:**
1. ALL DIMENSIONS ARE IN FEET UNLESS NOTED OTHERWISE.
- CONSTRUCTION NOTES:**
1. CONSTRUCT 3-FOOT WIDE CONCRETE WALK, 4" THICK CONCRETE OVER 4" C.A.B.
 2. 4" DIA SOLID PVC DRAINAGE PIPE LOCATIONS PER PLAN.
 3. DOWNSPOUT CONNECTION. SEE DETAILS ON SHEET C-2.
 4. FOUNDATION DRAIN AND ROOF DRAINAGE PIPE. SEE DETAILS ON SHEET C-2.
 5. LIMITS OF OVER-EXCAVATION PER GEOTECHNICAL ENGINEER'S RECOMMENDATION.
 6. LAWN GRASS. LOCATIONS PER PLAN.
 7. 6" x 6" AND GRATED INLET OR EQUIVALENT.



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Stormwater Pollution Prevention Plan Notes

1. Every effort shall be made to eliminate the discharge of non-stormwater from the project site at all times.
2. Eroded sediments and other pollutants shall be retained on site and may not be transported from the site via sheetflow, swales, area drains, natural drainage courses, or wind.
3. Stockpiles of earth and other construction-related materials shall be protected from being transported from the site by the forces of wind or water.
4. Fuels, oils, solvents, and other toxic materials shall be stored in accordance with their listing and shall not contaminate the soil and surface waters. All approved storage containers shall be protected from the weather. Spills shall be cleaned up immediately and disposed of in a proper manner. Spills shall not be washed into the drainage system.
5. Excess or waste concrete shall not be washed into the public right-of-way or any other drainage system. Provisions shall be made to retain concrete wastes on site until they can be disposed of as solid waste.
6. Trash and construction-related solid wastes shall be deposited into a covered receptacle to prevent contamination of rainwater and dispersal by wind.
7. Sediments and other materials may not be tracked SE-1 from the site by vehicle traffic. The construction entrance roadways shall be stabilized so as to inhibit sediments from being deposited into the public right-of-way. Accidental depositions shall be swept up immediately and shall not be washed down by rain or other means.
8. Any slopes with disturbed soils or denuded of vegetation shall be stabilized so as to inhibit erosion by wind and water.
9. The following BMP's as outlined in, but not limited to, the "Best Management Practice Handbook, California Stormwater Quality Task Force, Sacramento, California, the latest revised edition, may apply during the construction of this project (additional measures may be required if deemed appropriate by City inspectors)



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| <p>Erosion Control</p> <ul style="list-style-type: none"> EC1 – Scheduling EC2 – Preservation of Existing Vegetation EC3 – Hydraulic Mulch EC4 – Hydroseeding EC5 – Soil Binders EC6 – Straw Mulch EC7 – Geotextiles & Mats EC8 – Wood Mulching EC9 – Earth Dikes and Drainage Swales EC10 – Velocity Dissipation Devices EC11 – Slope Drains EC16 – Non-Vegetative Stabilization <p>Waste Management & Material Pollution Control</p> <ul style="list-style-type: none"> WM1 – Material Delivery and Storage WM2 – Material Use WM3 – Stockpile Management WM4 – Spill Prevention and Control WM5 – Solid Waste Management WM6 – Hazardous Waste Management WM7 – Contamination Soil Management WM8 – Concrete Waste Management WM9 – Sanitary / Septic Waste Management WM10 – Liquid Waste Management | <p>Temporary Sediment Control</p> <ul style="list-style-type: none"> SE1 – Silt Fence SE2 – Sediment Basin SE3 – Sediment Trap SE4 – Check Dam SE5 – Fiber Rolls SE6 – Gravel Bag Berm SE7 – Street Sweeping and Vacuuming SE8 – Sandbag Barrier SE9 – Straw Bale Barrier SE10 – Storm Drain Inlet Protection <p>Wind Erosion Control</p> <ul style="list-style-type: none"> WE1 – Wind Erosion Control <p>Equipment Tracking Control</p> <ul style="list-style-type: none"> TC1 – Stabilized Construction Entrance / Exit TC2 – Stabilized Construction Roadway TC3 – Entrance / Outlet Tire Wash <p>Non-Stormwater Management</p> <ul style="list-style-type: none"> NS1 – Water Conservation Practices NS2 – Dewatering Operations NS3 – Paving and Grinding Operations NS4 – Temporary Stream Crossing NS5 – Clear Water Diversion NS6 – Illicit Connection / Discharge NS7 – Potable Water / Irrigation NS8 – Vehicle and Equipment Cleaning NS9 – Vehicle and Equipment Fueling NS10 – Vehicle and Equipment Maintenance NS11 – Pile Driving Operations NS12 – Concrete Curing NS13 – Concrete Finishing NS14 – Material and Equipment Use NS15 – Demolition Adjacent to Water NS16 – Temporary Batch Plants | <p>Waste Management & Material Pollution Control</p> <ul style="list-style-type: none"> WM1 – Material Delivery and Storage WM2 – Material Use WM3 – Stockpile Management WM4 – Spill Prevention and Control WM5 – Solid Waste Management WM6 – Hazardous Waste Management WM7 – Contamination Soil Management WM8 – Concrete Waste Management WM9 – Sanitary / Septic Waste Management WM10 – Liquid Waste Management |
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Vincent Chang Residence 466 36th Avenue Fairfield, CA 94121	EROSION CONTROL PLAN	DESCRIPTION DATE REVISIONS
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