#### **PROJECT INFORMATION**

2382 Rainbow Ct. (APN:) 425-41-29 **PROJECT ADDRESS:** Hayward, CA 94542

Construct a (N)5404ft2 3-story SFD w/Rooftop **SCOPE OF WORK:** Terrace per Plans/Specifications

AFES: Yes, (deferred submittal)

RS Single-family Residential 5000ft2 **ZONING:** TYPE OF CONSTRUCTION: R3/U TYPE OF OCCUPANCY:

**CONSTRUCTION AREA:** 3442ft2 Habitable, 1192ft2 3-car Garage, TOTAL: 770ft2 Rooftop Terrace = 5404ft2

FOOTPRINT: 2083ft2 2083ft2/5227ft2 = Lot Coverage 40% LOT SIZE: 104'x53'avg. (5227ft2)

**OWNERS:** H&M Ventures LLC 43393 Bryant St. Fremont, CA 94539

*INDEX* 

A1 SITE PLAN A2 FRONT/REAR ELEVATIONS

A3 LEFT/RIGHT ELEVATIONS

A4 FLOOR PLAN LP1 LANDSCAPE PLAN (Irrigation Notes) LP2 LANDSCAPE PLAN (Planting Notes)

C1 DRAINAGE PLAN

LP3 LANDSCAPE PLAN (Irrigation Notes)

C2 DRAINAGE CONSTRUCTION DETAILS C3 EROSION CONTROL

SU SURVEY/TOPOGRAPHY PLAN V1 SUBJECT LOT PHOTOS

**EMERGENCY PHONE:** 

An 8-foot PUBLIC UTILITY EASEMENT shall be recorded -(E)Fire Hydrant prior to Permit Issuance PROPERTY LINE SHADED= Terrain/grade to remain undisturbed and ENTRY STEPS to be "carved" assimilated/referenced into the into undisturbed grade/terrain CIVIL/DRAINAGE/LANDSCAPE/CONSTRUCTION Drawings UTILITIES Sanitation Lateral (N)400amp Service All new utilities including, but not limited to PGE Meter Main electric, telephone and cable television services shall be provided underground to the new building. Contact PGE/Agencies for installation guidelines.. -WTR —WTR —WTR —WTR —WTR —WTR (E)Water Meter LANDSCAPING PGE — 98.76' SITE PLAN 12" tread/7.5" rise x36" wide

(STORM DRAINS) CGBC 4.106.2

. The applicant shall be responsible for litter control of all paved

surfaces. All on-site storm drains shall be cleaned immediately before the start of the rainy season beginning October 15 of each year, subject to the review and approval of the Building/ Public Works Inspector. 2. The property owner shall be made aware of the educational

materials on storm water pollution prevention (as furnished by the City). B. Outdoor washing shall be managed in such a way that there

is no discharge of soaps, solvents, cleaning agents or other pollutants to the storm drains. Wash water shall discharge to the sanitary sewer, subject to review and approval of the Union Sanitary District.

ROOF TRUSSES - deferred submittal

rom the California Best Management Practices Handbook for Construction Activities for the duration of all activity. Additional BMP's may be required by the City Engineer as necessary to minimize the pollution of the storm water runoff fro

a. Three copies of the approved site, utility, and grading and drainage plan, clearly showing any work in the

public right-of-way.

c. A performance bond in the amount of 120% of the cost of off-site construction. The bond must remain in effect for a period of one year after acceptance of the project to ensure completion of work and the

based on the cost estimate.

UTILITIES

PUBLIC WORKS

CONSTRUCTION/DEMOLITION (CD) RECYCLING

Because of the amount of construction debris that will be generated by

the work proposed in the application, this project is subject to /chapter

15.44 of the Newark Municipal Code, Green Building and Construction

and Demolition Debris Recycling. One hundred percent (100%) of all

applicant shall complete the attached Waste Management Plan and return

it to the Building Inspection office prior to the issuance of a Certificate of

Occupancy. Included with the Waste Management Plan is a list of recyclers

concrete and fifty percent (50%) of remaining construction and/or

demolition debris generated by this project shall be recycled. The

that serve the South Bay Area.

Alameda County (WMAC).

e. Insurance endorsements meeting the City's minimum requirements. | The work during construction has the potential to damage the existing private improvements along the shared boundary lines and public improvements along Poplar St., such as the curb, gutter, sidewalk, asphalt, etc. It is the responsibility of the contractor to repair any private improvements and any

This home is subject to the height restrictions per recorded Tract Map 3992 which limits the height of any part of the home to 606 feet MSL for buildings on lots 7-10 The height of the home shall be surveyed prior to issuance of a Certificate of Occupancy to confirm that the elevations of the home is an elevation of 606 feet MSL or less, prior to issuance of the CofO. This condition of approval shall also be

Grading and construction activities shall be conducted in a manner that causes no cracking, undermining, or destruction of landscape features and outbuildings located on the adjacent property at 26144-26148 Parkside Drive. Any damage shall be repaired or corrected by the contractor/applicant prior to Issuance of a Certificate of Occupancy

**GENERAL NOTES** 

ALL WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE, BUT IS NOT NECESSARILY LIMITED TO FURNISHING ALL LABOR, MATERIALS. ACCESSORIES, TOOLS, AND TRANSPORTATION. JOBSITE TO BE RELATIVELY CLEAN AT ALL TIMES...

#### **DIMENSIONS AND QUANTITIES**

ALL DIMENSIONS ARE TO FACE OF STUD UNLESS OTHERWISE SHOWN OR NOTED. THE CONTRACTOR SHALL NOT SCALE DRAWINGS. ALL DIMENSIONS TO TAKE PRECEDENCE OVER SCALED DRAWINGS. THE CONTRACTOR AND ALL HIS SUBCONTRACTORS SHALL VERIFY ALL GRADE ELEVATIONS, DIMENSIONS, AND CONDITION OF THE PROJECT BEFORE PROCEEDING WITH THE WORK AND SHALL NOTIFY THE DESIGNER/ENGINEER IMMEDIATELY IN THE EVENT OF DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THAT OF THE DRAWINGS FOR CLARIFICATION.

#### **OMISSIONS**

IF STRUCTURAL FEATURES OF THE CONSTRUCTION ARE NOT SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS OR GENERAL NOTES, THE CONSTRUCTION SHALL BE THE SAME AND OF SIMILAR CONDITIONS AS SHOWN ON THE DRAWINGS. IN THE ABSENCE OF ANY MATERIAL DESCRIPTION IN PART OR WHOLE. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL COMPONENTS NECESSARY FOR COMPLETION OF THE WORK OR SYSTEM IN SIMILAR QUALITY TO SPECIFIED CONSTRUCTION, TO THE SATISFACTION OF THE OWNER, THE DESIGNER AND OR ENGINEER.

THE CONTRACTOR SHALL CONTACT THE DESIGNER IF ANY QUESTIONS ARISE. ANY DEVIATIONS FROM THE CONSTRUCTION DOCUMENTS SHALL BE COORDINATED WITH THE DESIGNER/ENGINEER. THE DESIGNER AND/OR ENGINEER SHALL BE EXEMPT FROM LIABILITY IF CHANGES IMPACT THE WORK AREA OR RELATED AREAS WITHOUT PRIOR CONSENT AND WRITTEN APPROVAL FROM SAID PARTIES.

#### **CODES AND ORDINANCES**

CODES AND ORDINANCES OF JURISDICTIONAL BODIES OR TRIBUNAL SHALL BE CONSIDERED AS MINIMUM REQUIREMENTS AND SHALL TAKE PRECEDENCE OVER CONTRACT DOCUMENTS WHICH INADVERTENTLY, MAY BE PREPARED AT VARIANCE WITH THE CODES AND ORDINANCE REQUIREMENTS. HENCE, THEY SHALL TAKE PRECEDENCE THEREOF.

THE FOLLOWING CODES SHALL PREVAIL: • 2019 CA BUILDING CODE (Based on the 2019 IBC) as amended by

City Ordinance • 2019 CA RESIDENTIAL CODE (Based on the 2019 IRC) - as amended

by City Ordinance

• 2019 CA FIRE CODE (Based on the 2019 IFC)

• 2019 CA GREEN BUILDING STANDARDS CODE - as amended by City

 Ordinance 2019 ELECTRICAL CODE (Based on the 2019 NEC)

2019 CA PLUMBING CODE (Based on the 2019 UPC) - as amended by

City Ordinance • 2019 CA MECHANICAL CODE (Based on the 2019 UMC) - CA Code of

Regulations Title 24 Part 4

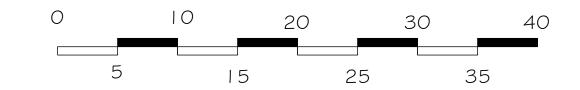
• 2019 CA ENERGY CODE - CA Code of Regulations Title 24 Part 6 • AND ANY APPLICABLE CITY OF HAYWARD CODES/ORDINANCES/ OR **AMENDMENTS** 

## SUBCONTRACTOR

Each subcontractor is considered a specialist in his respective field and shall, prior to the submission of his bid or performance of his work, notify the General Contractor, who is to subsequently inform the Designer and Owner of any work called out in the drawings that cannot be fully guaranteed...

I. TRADE NAMES AND MANUFACTURERS REFERRED TO, ARE FOR QUALITY STANDARDS ONLY. SUBSTITUTIONS WILL BE PERMITTED ONLY IF APPROVED BY THE OWNER OR DESIGNER. 2. WORK SHALL NOT BE PERFORMED WHEN WEATHER CONDITIONS MAY CREATE HAZARDOUS WORKING CONDITIONS THAT MAY LEAD TO FAILURE IN WORKMANSHIP .--- WATER AND ELECTRICITY DO NOT MIX!---3. THE CONTRACTOR/SUBCONTRACTORS WARRANT THAT THEIR WORK AND ALL MATERIALS FURNISHED UNDER THEIR RESPECTIVE CONTRACTS, AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP. 4. UPON WRITTEN NOTICE OF ANY DEFECT IN MATERIALS OF WORKMANSHIP, THE CONTRACTOR SHALL, AT THE OPTION OF THE DESIGNER AND OR OWNER/ENGINEER REPAIR OR REPLACE SAID DEFECT AND ANY DAMAGE TO OTHER WORK AS A RESULT OF THE CORRECTION. REPLACEMENT OF REPAIR SHALL BE WITHOUT COST TO THE OWNER. 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE

SATISFACTORY COMPLETION OF ALL WORK UNDER THE CONTRACT IN ACCORDANCE WITH PROJECT PLANS AND SPECIFICATIONS. 6. IN ACCORDANCE WITH THE GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS AT THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS WITHIN THE JOB SITE AND PROPERTY DURING THE PERFORMANCE OF HIS WORK, THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND BE LIMITED TO NORMAL WORK HOURS.





PC Letter 9/16/20

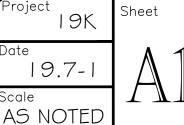
Revision/Issue

Designed/Drafted by

MARTIN CHRISTIANSEN 33418 4th St. UNION CITY, CA 94587 (510) 334-1959 architecturalradii@yahoo.con

Scope of Work

See Sheet Al PROJECT INFORMATION...



# AFES + FIRE DEPARTMENT NOTES

I . Approved address numbers shall be visible and legible from street frontage and shall contrast with background...see A3 2. Fire Department Access must be provided and maintained serviceable prior to and during construction...note "emergency number" Sheet A1. 3. Provide approved street signs prior to building permit issuance.

4. The roof shall be fire stopped to preclude entry of flames or embers under roof covering. 5. Approved smoke detectors shall be installed/located as required by CBC 310.9 and interconnected to sound simultaneously.

For specific location requirements of approved smoke alarms, see

CFC 907.2.11.5. \$ [2013 CRC 315]. Carbon Monoxide Alarms shall be installed per manufacturer installation instructions. 6. A residential fire sprinkler system compliant with NFPA 13D is required. 7. A separate submittal for permit is required prior to work on any fire protection system or component. Submit (3) sets of "AFES" design shop drawings, calculations and specifications to the Development Services

8. The inspection, hydrostatic test, and flushing of the "AFES" shall be witnessed by the building inspector specialist/Fire Marshall. Do not cover/conceal until an inspection has been completed.

Center for review and approval.

Manufactured Truss drawings and calculations shall be prepared by a civil or structural engineer licensed in the State of California. The design shall be submitted to the responsible design professional in charge who shall review them and forward them to the Building Official with a notation indicating that the deferred submittal documents have been reviewed and found to be in general conformance to the design of the building without any corrections.

BEST MANAGEMENT PRACTICES

on-removable backflow devices The contractor shall implement all applicable Best Management Practices (BMP's)

ENCROACHMENT PERMIT/BOND

Any proposed work, such as driveway modifications, utility tie-ins, and landscaping, within the Rainbow Ct. right-of-way will require the issuance of a City of Hayward encroachment permit. The encroachment permit

Hose bibs shall have

must be obtained prior to the issuance of a building permit. Conditions of issuance of this permit include the

b. An itemized cost estimate for the proposed work within the public right-of-way.

correction of any construction deficiencies. d. Submittal of a completed encroachment permit application and payment of the permit fee as determined

All new utilities including, but not limited to, electric, telephone and cable television services shall be provided underground to the new building

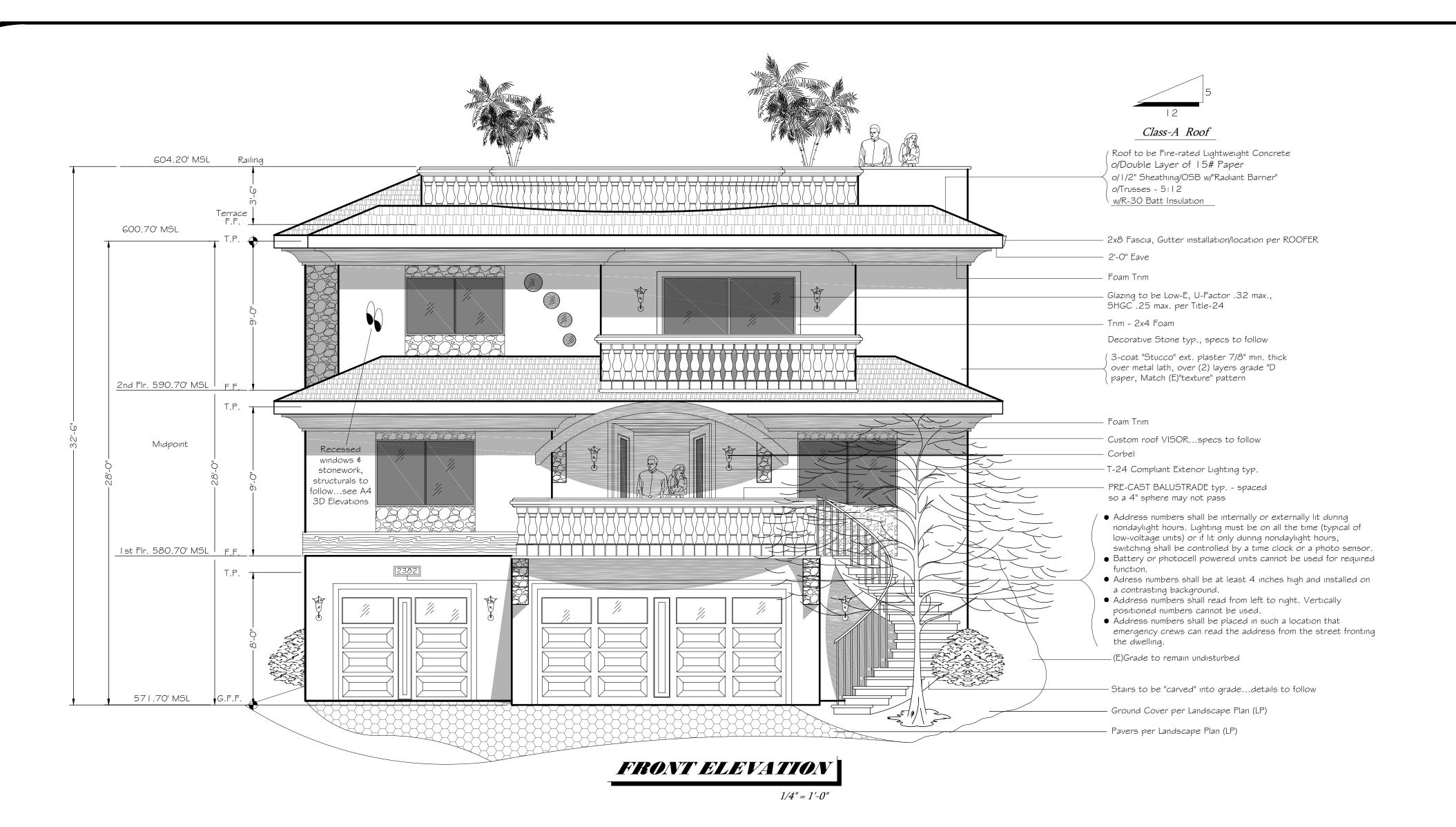
damage to existing street improvements caused by this construction prior to the issuance of a Certificate of Occupancy.

If the contractor will be hiring a subcontractor or vendor to haul any construction debris off the site they must use the City of Hayward authorized construction debris hauler which is Waste Management of NOTE: Debris Boxes must be provided by (WMAC) per the City of Hayward Franchise Agreement with the Waste Management of Alameda

Plan Check Comment

Current Revision

included on the building permit set, and shall be underlined and in bold lettering.





REAR ELEVATION

1/4" = 1'-0"



M Ventures LLC B2 Bainbow Ct. yward, CA 94542

PC Letter 9/16/20

No. Revision/Issue Date

.

Designed/Drafted by

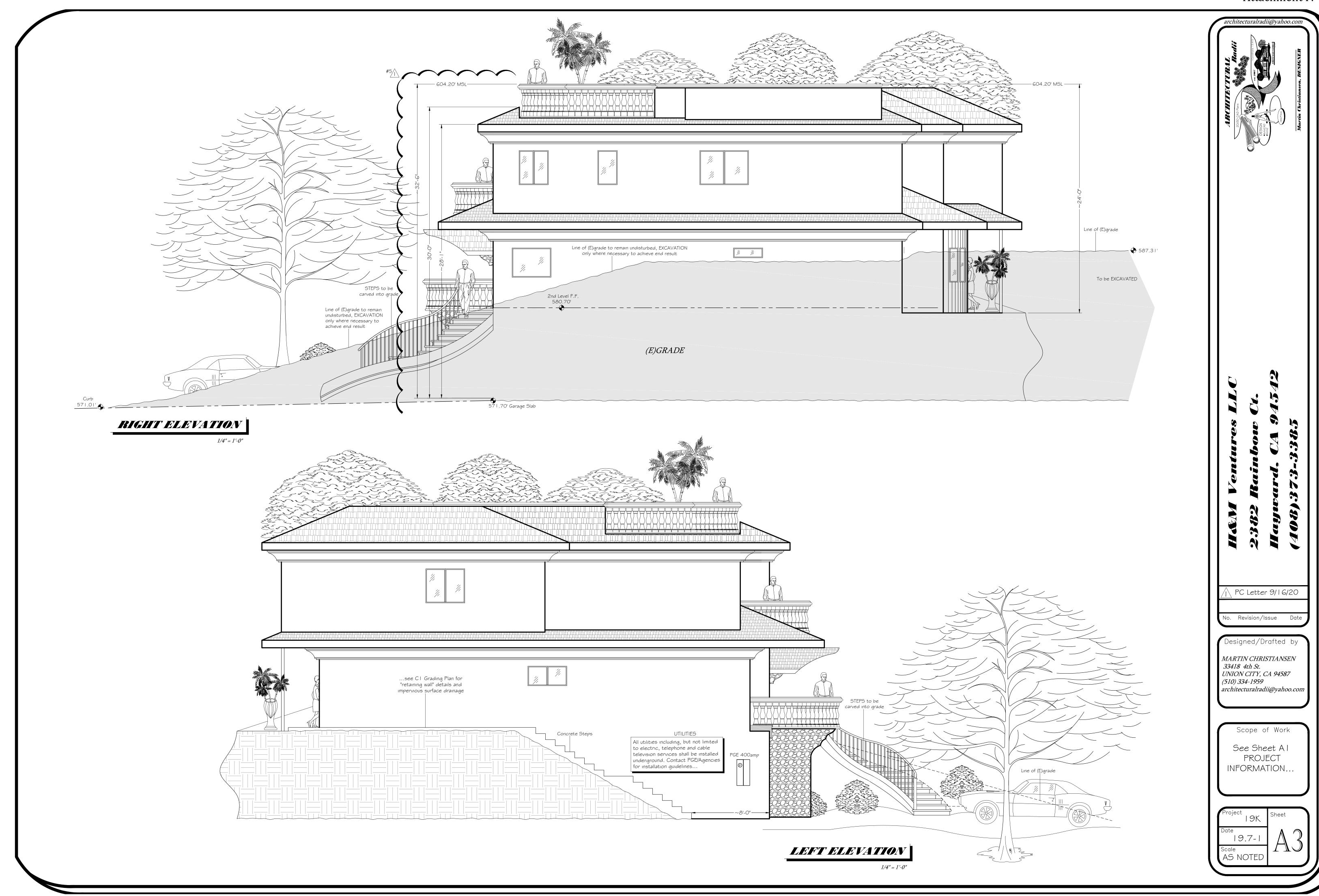
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architecturalradii@yahoo.com

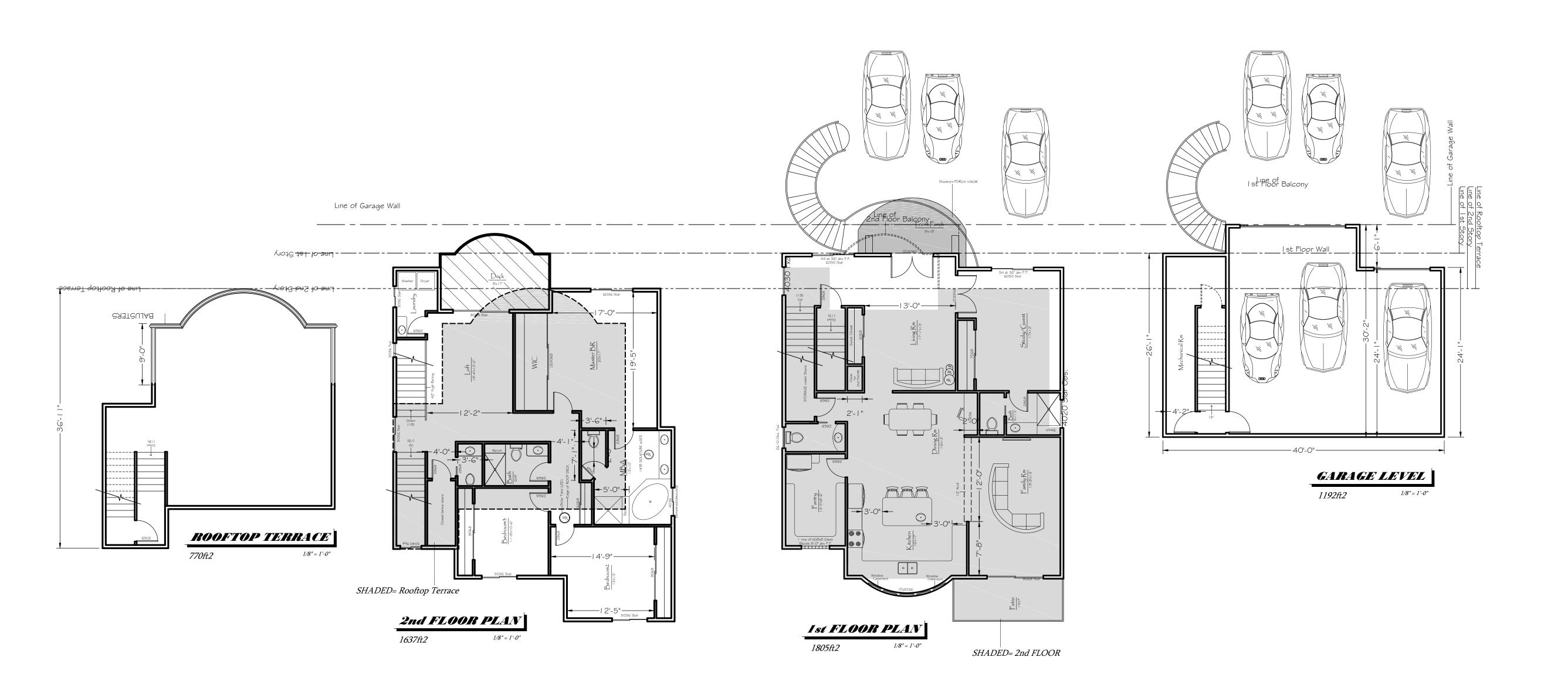
Scope of Work

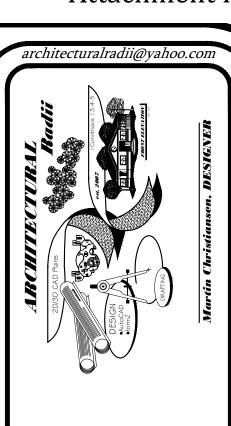
See Sheet A I PROJECT INFORMATION...

Date
19.7-1
Scale
AS NOTED

A2







H&M Ventures LLC 9382 Rainbow Ct.

↑ PC Letter 9/16/20

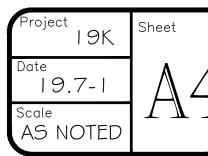
No. Revision/Issue Date

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Scope of Work

See Sheet A I PROJECT INFORMATION...



### LEGEND

DESCRIPTION

BOUNDARY LINE

EASEMENT LINE

SIDEWALK

WOOD FENCE

CHAIN LINK FENCE

SANITARY SEWER

SLOPE ARROW

EXISTING CONTOUR

PROPOSED CONTOUR

OVERHEAD ELECTRICAL LINE

DOWNSPOUTS W/SPLASH BOX

STREET LIGHT CONDUITS

# GRADING & DRAINAGE NOTES:

NOTE: THIS DRAWING IS APPROVED SUBJECT TO:

- 1. ALL GRADING IS SUBJECT TO OBSERVATION BY THE CITY. PERMITTEE OR REPRESENTATIVE SHALL NOTIFY THE CITY OF HAYWARD DEPARTMENT OF PUBLIC WORKS PROJECT INSPECTOR AT LEAST 48 HOURS BEFORE START OF ANY
- 2. APPROVAL OF THIS PLAN APPLIES ONLY TO (A) THE EXCAVATION, PLACEMENT, AND COMPACTION OF NATURAL EARTH MATERIALS, (B) THE INSTALLATION OF ON-SITE (I.E. PRIVATE PROPERTY) STORM WATER CONVEYANCE AND TREATMENT FACILITIES THAT ARE OUTSIDE OF THE 5-FOOT BUILDING ENVELOPE, AND (C) THE INSTALLATION OF RETAINING STRUCTURES. THIS APPROVAL DOES NOT CONFER ANY RIGHTS OF ENTRY TO EITHER PUBLIC PROPERTY OR THE PRIVATE PROPERTY OF OTHERS. APPROVAL OF THIS PLAN ALSO DOES NOT CONSTITUTE APPROVAL OF ANY IMPROVEMENTS WITH THE EXCEPTION OF THOSE LISTED ABOVE. PROPOSED IMPROVEMENTS, WITH THE EXCEPTION OF THOSE LISTED ABOVE, ARE SUBJECT TO REVIEW AND APPROVAL BY THE RESPONSIBLE AUTHORITIES AND ALL OTHER REQUIRED PERMITS SHALL BE OBTAINED. SANITARY SEWER LATERAL
- UNLESS OTHERWISE NOTED ON THE PLAN, ANY DEPICTION OF A RETAINING STRUCTURE ON THIS PLAN SHALL NOT CONSTITUTE APPROVAL FOR CONSTRUCTION OF THE RETAINING STRUCTURE UNLESS A SEPARATE STRUCTURAL REVIEW, BY THE DEPARTMENT OF PUBLIC WORKS IS COMPLETED AND APPROVED.
- IT SHALL BE THE RESPONSIBILITY OF THE PERMITTEE OR AGENT TO IDENTIFY. LOCATE AND PROTECT ALL UNDERGROUND FACILITIES.
- THE PERMITTEE OR AGENT SHALL MAINTAIN THE STREETS, SIDEWALKS AND ALL OTHER PUBLIC RIGHTS-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION. ALL SPILLS OF SOIL, ROCK OR CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE PUBLICLY OWNED PROPERTY DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC OVERLAND RELEASE SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION.
- ALL GRADING SHALL BE PERFORMED IN SUCH A MANNER AS TO COMPLY WITH THE STANDARDS ESTABLISHED BY THE AIR QUALITY MANAGEMENT DISTRICT FOR AIRBORNE PARTICULATES.
- IN THE EVENT THAT HUMAN REMAINS AND/OR CULTURAL MATERIALS ARE FOUND, ALL PROJECT-RELATED CONSTRUCTION SHOULD CEASE WITHIN A 100-FOOT RADIUS. THE CONTRACTOR SHALL, PURSUANT TO SECTION 7050.5 OF THE HEALTH AND SAFETY CODE, AND SECTION 5097.94 OF THE PUBLIC RESOURCES CODE OF THE STATE OF CALIFORNIA, NOTIFY THE MARIN COUNTY CORONER
- THIS PLAN DOES NOT APPROVE THE REMOVAL OF TREES. APPROPRIATE TREE REMOVAL PERMITS AND METHODS OF TREE PRESERVATION SHOULD BE OBTAINED FROM THE CITY'S PLANNING DEPARTMENT AND THE CITY ARBORIST.
- FOR NON-RESIDENTIAL PROJECTS, ANY NON-HAZARDOUS EXPORT RESULTING FROM PROJECT RELATED EXCAVATION OR LAND CLEARING SHALL BE 100% REUSED AND RECYCLED PER CALIFORNIA GREEN BUILDING STANDARDS CODE SECTION 5.408.
- 10. ALL GRADING WORK SHALL CONFORM TO THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL REPORT AND/OR THE PROJECT SOIL ENGINEER. ALL GRADING WORK SHALL BE OBSERVED AND APPROVED BY THE SOIL ENGINEER. REPORT DATE: REPORT NUMBER:
- SOILS ENGINEERING COMPANY; CONTACT INFORMATION:
- 11. THE SOIL ENGINEER SHALL BE NOTIFIED AT LEAST 48 HOURS BEFORE BEGINNING ANY GRADING. UNOBSERVED AND/OR UNAPPROVED GRADING WORK SHALL BE REMOVED AND REPLACED UNDER OBSERVATION.
- 12. PERIMETER BUILDING GRADES SHALL SLOPE AWAY FROM BUILDINGS AT LEAST 5%
- 13. ALL DOWNSPOUTS SHALL HAVE SPLASH BOXES AS SHOWN ON THE GRADING AND DRAINAGE PLAN. DIRECTION OF THE FLOW SHALL BE AWAY FROM THE BUILDING.

## BENCH MARK

DESCRIPTION: ASSUMED BENCHMARK, MAG NAIL ON STREET, NEAR THE SOUTHWESTERLY CORNER OF LOT AS SHOWN: ELEV.: 100.00'

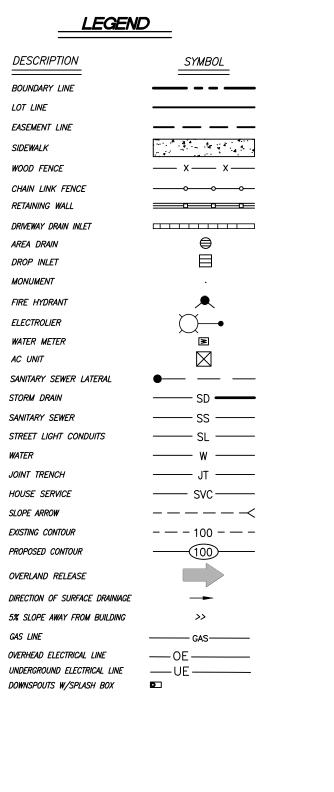
ALL TOPOGRAPHIC FEATURES AND ELEVATIONS HAD BEEN TAKEN FROM SURVEYS BY OTHERS, PROVIDED BY THE OWNER

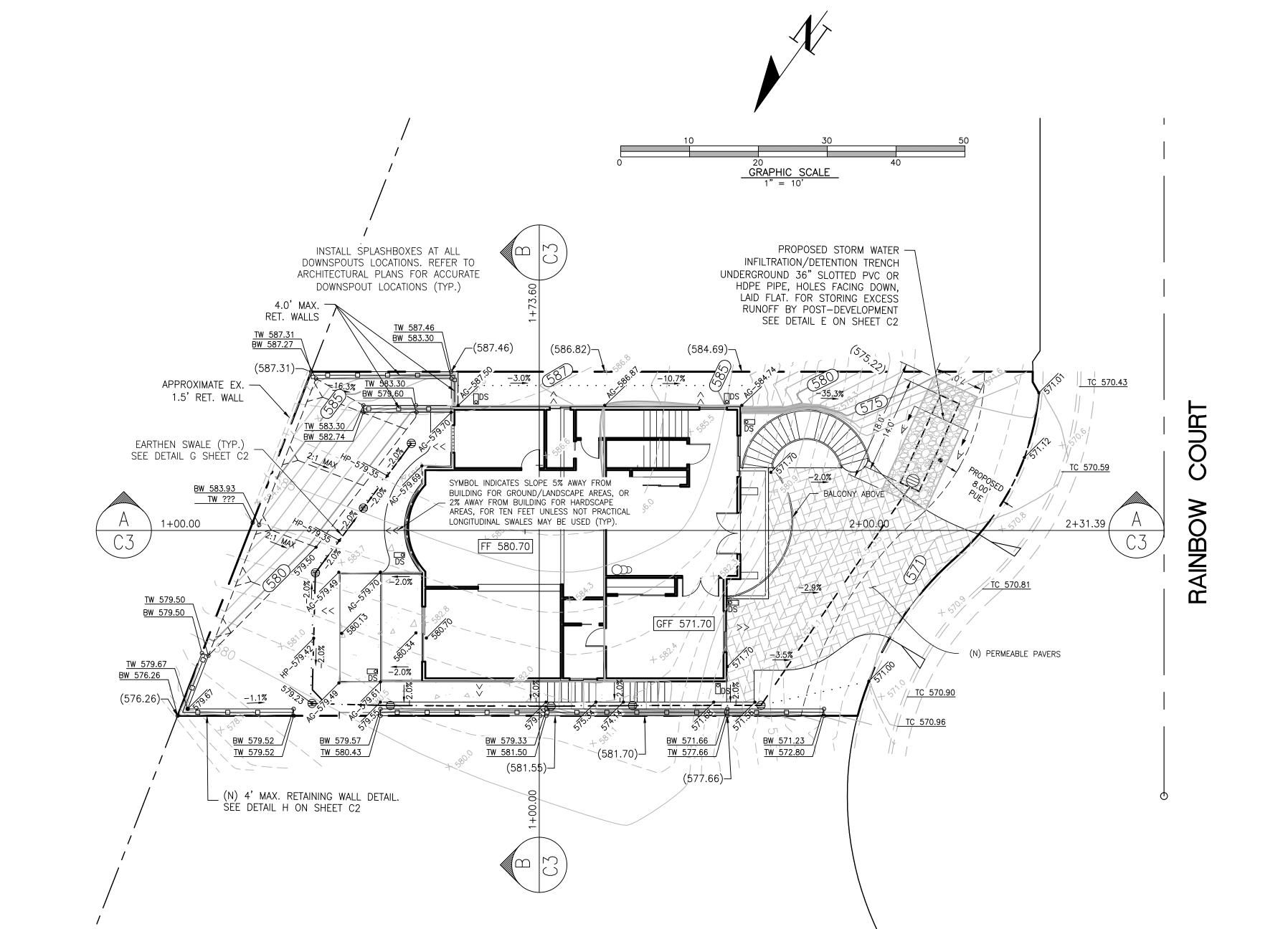
EARTHWORK QUANTITIES				
DESCRIPTION	CUT (-)	FILL (+)		
BUILDING FOOTPRINT	580 C.Y.	0 C.Y.		
SITE WORK (EXCLUDES BUILDING FOOTPRINT)	385 C.Y.	4 C.Y.		
TOTALS RAW: 20% SHRINKAGE FACTOR (ASSUMED)	965 C.Y.	4 C.Y. 1 C.Y.		
TOTAL ADJUSTED:	965 C.Y.	5 C.Y.		
NET EXPORT = CUT - FILL	960 C.Y. (II	N-PLACE C.Y)		

NOTE: EARTHWORK QUANTITIES SHOWN ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INDEPENDENTLY ESTIMATE QUANTITIES FOR HIS/HER OWN USE.

## *ABBREVATIONS*

<u>ADDILL VAL</u>	<u>ITOIVO</u>
AC = ASPHALT CONCRETE  AD = AREA DRAIN  BC = BEGIN CURVE  BS = BOTTOM OF STAIR  BU = BUBBLE UP  BVC = BEGIN VERTICAL CURVE  BRW = BOTTOM OF RETAINING WALL  CB = CATCH BASIN  CL = CENTERLINE  CO = CLEANOUT  DS = DOWNSPOUT WITH SPLASH BOX  EC = END CURVE  ELEV. = ELEVATION  EVC = END VERTICAL CURVE  EX. = EXISTING  F/C = FACE OF CURB  FF = FINISHED FLOOR ELEVATION  FH = FIRE HYDRANT  FL = FLOW LINE  GB = GRADE BREAK  GFF = GARAGE FINISH FLOOR  HP = HIGH POINT  HC = HANDICAP UNIT  INV = INVERT	RCP = REINFORCED CONCRETE PIPE ROW = RIGHT OF WAY S=.004> SLOPE





	PERVIOUS AND IMPERVIOUS SURFACE COMPARISON TABLE				
a.	Project Phase Number: (N/A, 1, 2, etc.)	N/A	b.	Total Site (acres):	0.12
c.	Total Site Existing Impervious Surfaces (square feet):	0	d.	Total Area of Site Disturbed (acres):	0.12

		Existing Condition of Site Area Disturbed	Proposed Condition of Site Area Disturbed (+/- sq.ft.)			
е	Impervious Surfaces	(+/- sq.ft.)		Replaced (1)		New (2)
	Roof Area(s)	0		0		2,019
	Parking/Driveways	0		0		0
	Sidewalks, Patios, etc.	0		0		469
	Streets (Public) Roadway Projects	0		0		0
	Streets (Private)	0		0		0
	Total Impervious Surfaces:	e.1 0	e.2	0	e.3	2,488
f.	Pervious Surfaces Landscape Areas	5,190		0		2,702
	Pervious Pavers	0		0		0
	Other Pervious Surfaces (green roof, etc.)	0		0		0
	Total Pervious Surfaces:	f.1 5,190	f.2	0	f.3	2,702

g. Total Proposed Replaced + New Impervios Surfaces (e.2 + e.3):	2,488
h. Pervious Surfaces = Total Proposed Replaced + New Pervious Surfaces:	2,702
Porcent of Panlacement of Imporvious Area in Padayalanment Projects	

i	(e.2/c x 100)	0%
j	Percent of Impervious Area of proposed Projects (g,2/c x 100)	48%

571	26	23	49			
572	53		53			
573	52		52			
574	54		54			
575	53		53			
576	53		53			
577	53		53			
578	54		54			
579	54		54			
580	54		54			
581	53		53			
582	115		115			
583	106		106			
584	98		98			
585	88		88			
586	75		75			
587	42		42			
			1106 FT			
S=PER	S=PERCENT (%) SLOPE = (I * L*100)/A					

SLOPE CALCULATIONS

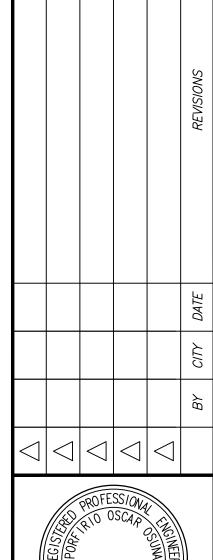
S=PERCENT (%) SLOPE = (1 \* L\*100)/A

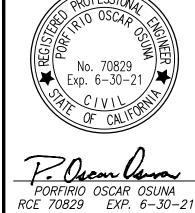
I = INTERVAL OF CONTOURS L = LENGTH OF SUM OF CONTOURS 1106 FT

5190 SF A = GROSS AREA IN SQUARE FEET

TOPOGRAPHIC CONTOURS AND ELEVATIONS HAD BEEN TAKEN FROM SURVEYS BY OTHERS, PROVIDED BY THE OWNER

21.3 %





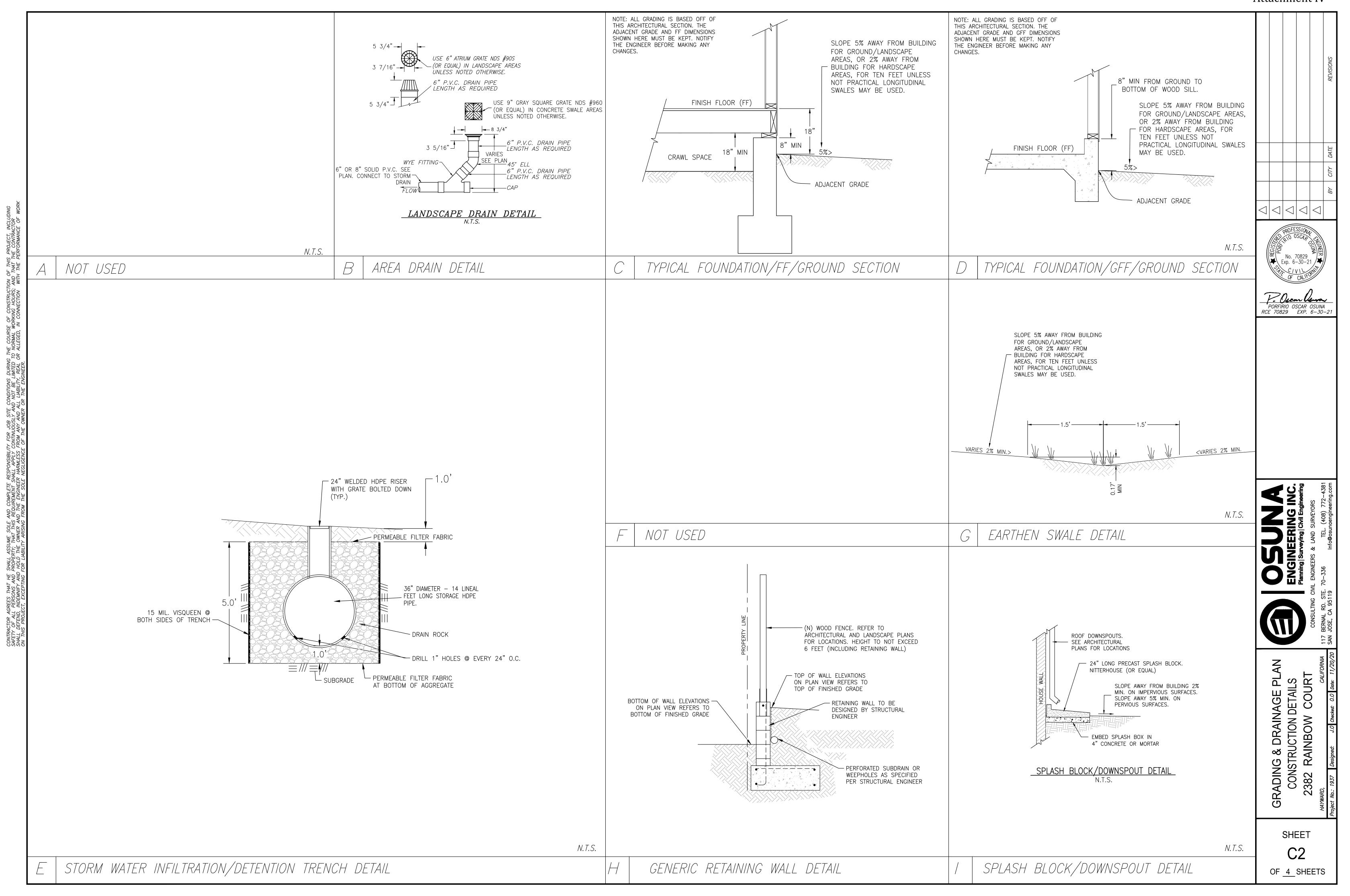


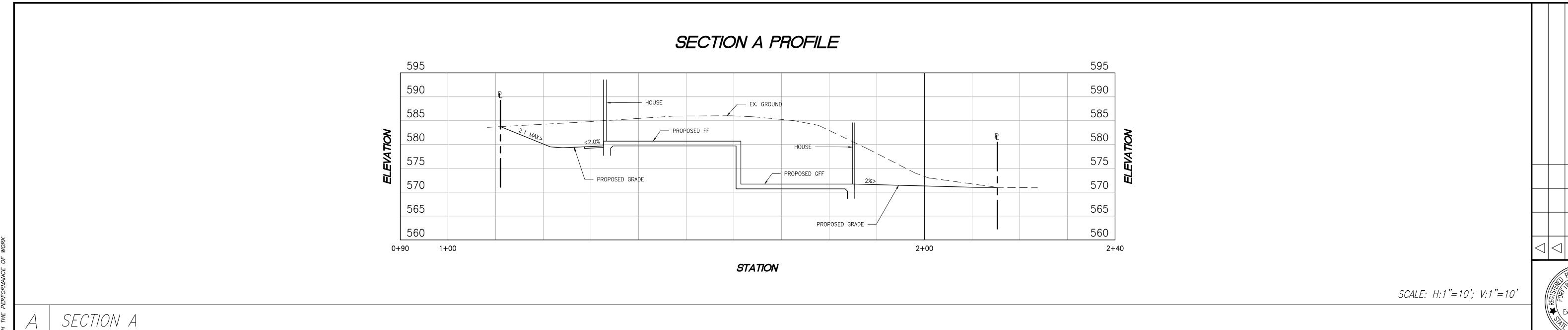


SHEET

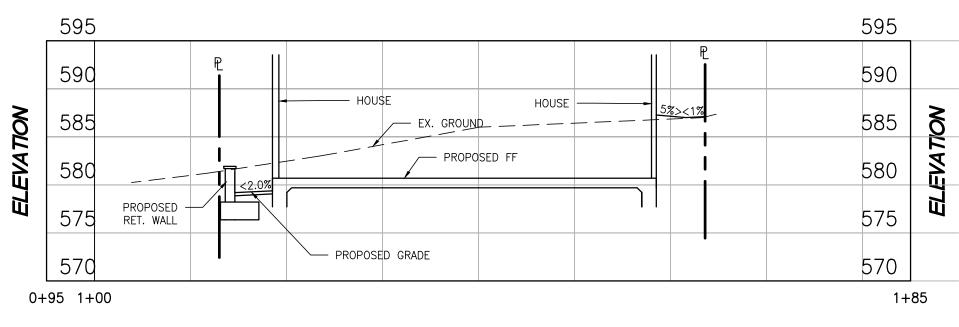
OF 4 SHEETS

RADIN





SECTION B PROFILE



STATION

SCALE: H:1"=10'; V:1"=10'

GRADING & DRAINAGE PLAN SECTIONS 2382 RAINBOW COURT

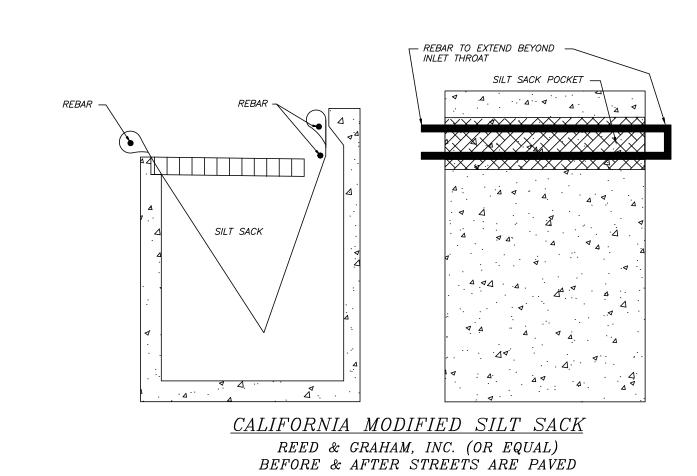
OF 4 SHEETS

SECTION B



TO PREVENT ANY UNTREATED FLOW

ENTERING THE INLET



N.T.S.

## LEGEND

PROPOSED DESCRIPTION SITE BOUNDARY STABILIZED CONSTRUCTION ENTRANCE 2"-3" ROCK (MIN) FIBER ROLL INLET PROTECTION

## MAINTENANCE NOTES

MAINTENANCE IS TO BE PERFORMED AS FOLLOWS:

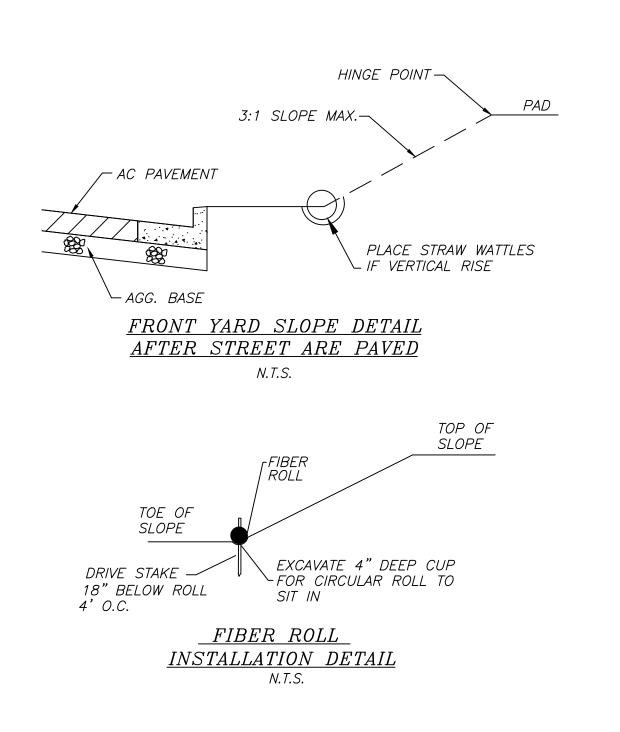
- 1. REPAIR DAMAGES CAUSED BY SOIL EROSION OR CONSTRUCTION AT THE END OF EACH WORKING DAY.
- 2. SWALES SHALL BE INSPECTED PERIODICALLY AND MAINTAINED AS NEEDED.
- 3. SEDIMENT TRAPS, BERMS, AND SWALES ARE TO BE INSPECTED AFTER EACH STORM AND REPAIRS MADE AS NEEDED.
- 4. SEDIMENT SHALL BE REMOVED AND SEDIMENT TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO A DEPTH OF 1
- 5. SEDIMENT REMOVED FROM TRAP SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
- 6. RILLS AND GULLIES MUST BE REPAIRED.

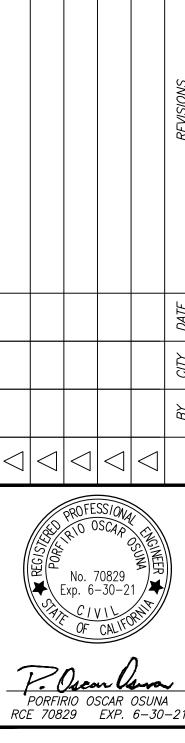
## EROSION & SEDIMENT CONTROL NOTES

- 2. THE DEVELOPER IS RESPONSIBLE FOR ENSURING THAT ALL CONTRACTORS AND SUBCONTRACTORS ARE AWARE OF ALL STORM WATER QUALITY MEASURES AND IMPLEMENT SUCH MEASURES. FAILURE TO COMPLY WITH THE APPROVED CONSTRUCTION BEST MANAGEMENT PRACTICES WILL RESULT IN THE ISSUANCE OF CORRECTION NOTICES, CITATIONS, AND/OR STOP ORDERS.
- 3. ANY VEHICLE OR EQUIPMENT WASHING/STEAM CLEANING MUST BE DONE AT AN APPROPRIATELY EQUIPPED FACILITY WHICH DRAINS TO THE SANITARY SEWER. OUTDOOR WASHING MUST BE MANAGED IN SUCH A WAY THAT THERE IS NO DISCHARGE OF SOAPS, SOLVENTS, CLEANING AGENTS OR OTHER POLLUTANTS TO THE STORM DRAINS. WASH WATER SHALL DISCHARGE TO THE SANITARY SEWER, SUBJECT TO REVIEW AND APPROVAL OF UNION SANITARY DISTRICT.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LITTER CONTROL AND SWEEPING OF ALL PAVED SURFACES DURING CONSTRUCTION.
- 5. THE FACILITIES SHOWN ON THIS PLAN ARE DESIGNED TO CONTROL EROSION AND SEDIMENT DURING THE RAINY SEASON, OCTOBER 1 TO APRIL 15. EROSION CONTROL MEASURES ARE TO BE FUNCTIONAL PRIOR TO OCTOBER 1ST OF ANY YEAR GRADING OPERATIONS HAVE LEFT AREAS UNPROTECTED FROM EROSION.
- 6. ALL ON-SITE STORM DRAINS SHALL BE CLEANED IMMEDIATELY BEFORE THE START OF THE RAINY SEASON BEGINNING ON OCTOBER 1ST EACH YEAR, SUBJECT TO THE REVIEW OF THE BUILDING/ENGINEERING INSPECTOR
- 7. IF RAINY WEATHER BECOMES IMMINENT, GRADING OPERATIONS SHALL BE STOPPED AND EROSION CONTROL MEASURES SHALL BE IMPLEMENTED TO PROTECT DISTURBED AREAS.
- 8. DURING THE RAINY SEASON, ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT LADEN RUNOFF TO ANY STORM DRAIN SYSTEM.
- CONSTRUCTION ENTRANCES SHALL CONSIST OF A MINIMUM 8" THICK LAYER OF 3"-4" FRACTURED STONE AGGREGATE UNLAID WITH GEOTEXTILE LINER FOR A MINIMUM DISTANCE OF 50 FEET, AND IS TO BE PROVIDED AT EACH VEHICLE ACCESS POINT TO EXISTING PAVED STREETS. THE DEPTH AND LENGTH OF AGGREGATE MAY NEED TO BE ADJUSTED IN THE FIELD TO ENSURE NO TRACKING OF SEDIMENT ONTO EXISTING PAVED STREETS. CONSTRUCTION ENTRANCES SHALL SLOPE AWAY FROM EXISTING PAVED STREETS.
- 10. INLETS NOT USED IN CONJUNCTION WITH EROSION CONTROL MEASURES ARE TO BE BLOCKED UNLESS THE AREA DRAINED IS UNDISTURBED OR STABILIZED.
- 11. BORROW AREAS AND TEMPORARY STOCKPILES SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTORL MEASURES TO THE SATISFACTION OF THE CITY ENGINEER.
- 12. NO STRAW BALES OR SILT FENCES SHALL BE USED AS EROSION CONTROL MEASURES. SILT FENCES MAY ONLY BE USED AS A PHYSICAL BARRIER TO PREVENT VEHICULAR AND PEDESTRIAN TRAFFIC FROM USING NON-APPROVED ACCESS POINTS (E.G. - ALONG RIGHT-OF-WAY).
- 13. ALL DISTURBED AREAS INCLUDING FLAT PADS ARE TO BE TREATED WITH STRAW AND TACKIFIER AT A RATE OF 2 TONS PER ACRE APPROXIMATELY 3 INCHES THICK.

#### SUPPLEMENTAL EROSION & SEDIMENT CONTROL NOTES

- 1. SEE STANDARD EROSION & SEDIMENT CONTROL NOTES ABOVE.
- 2. THE FACILITIES SHOWN ON THIS PLAN ARE DESIGNED TO CONTROL EROSION AND SEDIMENT DURING THE RAINY SEASON, OCTOBER 1 TO APRIL 30. FACILITIES ARE TO BE OPERABLE PRIOR TO OCTOBER 1 OF ANY YEAR. GRADING OPERATIONS DURING THE RAINY SEASON WHICH LEAVE DENUDED SLOPES SHALL BE PROTECTED WITH <u>EROSION CONTROL</u> MEASURES IMMEDIATELY FOLLOWING GRADING ON THE SLOPES.
- 3. CONSTRUCTION ENTRANCES SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF GRADING. ALL CONSTRUCTION TRAFFIC ENTERING ONTO THE PAVED ROADS MUST CROSS THE STABILIZED CONSTRUCTION ENTRANCE WAYS.
- 4. CONTRACTOR SHALL MAINTAIN STABILIZED ENTRANCE AT EACH VEHICLE ACCESS POINT TO EXISTING PAVED STREETS. ANY MUD OR DEBRIS TRACKED ONTO PUBLIC STREETS SHALL BE REMOVED DAILY AND AS REQUIRED BY THE CITY.
- 5. INLET PROTECTION SHALL BE INSTALLED AT OPEN INLETS TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM. INLETS NOT USED IN CONJUNCTION WITH EROSION CONTROL ARE TO BE BLOCKED TO PREVENT ENTRY OF SEDIMENT.
- 6. THIS EROSION AND SEDIMENT CONTROL PLAN MAY NOT COVER ALL THE SITUATIONS THAT MAY ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. VARIATIONS AND ADDITIONS MAY BE MADE TO THIS PLAN IN THE FIELD. NOTIFY THE CITY REPRESENTATIVE OF ANY FIELD CHANGES.



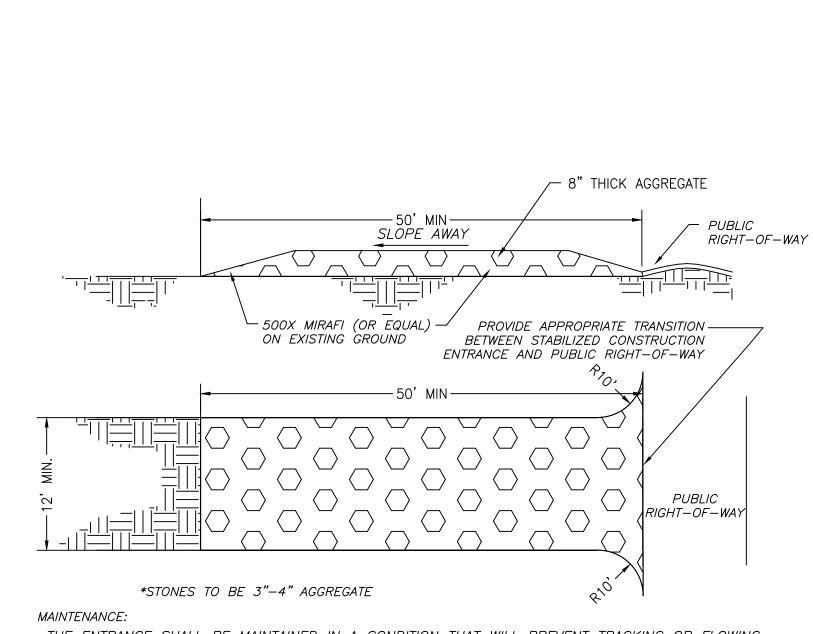




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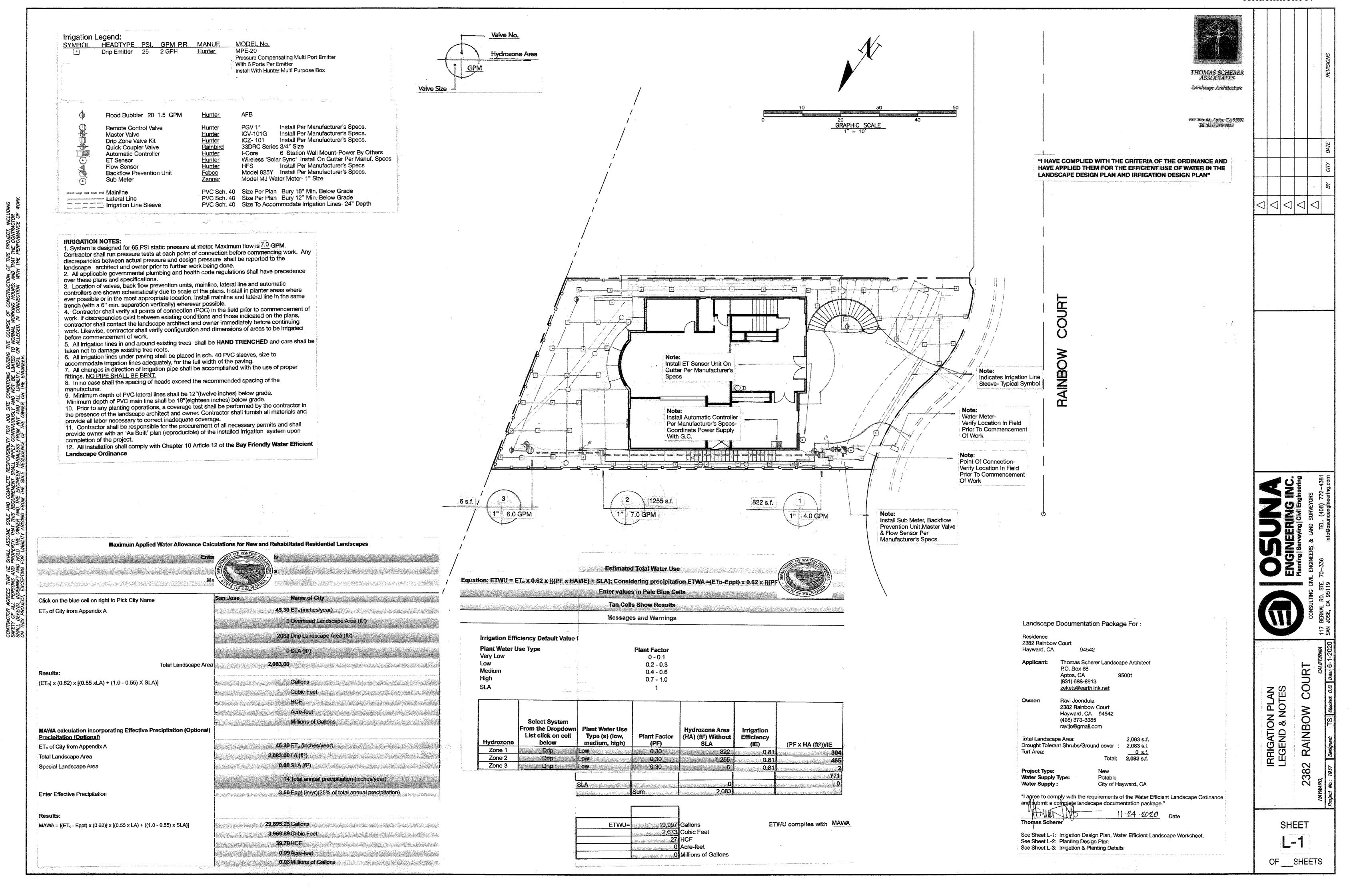


THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY SHALL BE REMOVED

WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS—OF—WAY. THIS SHALL BE DONE AT AN AREA STABILIZED WITH CRUSHED STONE, WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

> <u>STABILIZED</u> CONSTRUCTION ENTRANCE

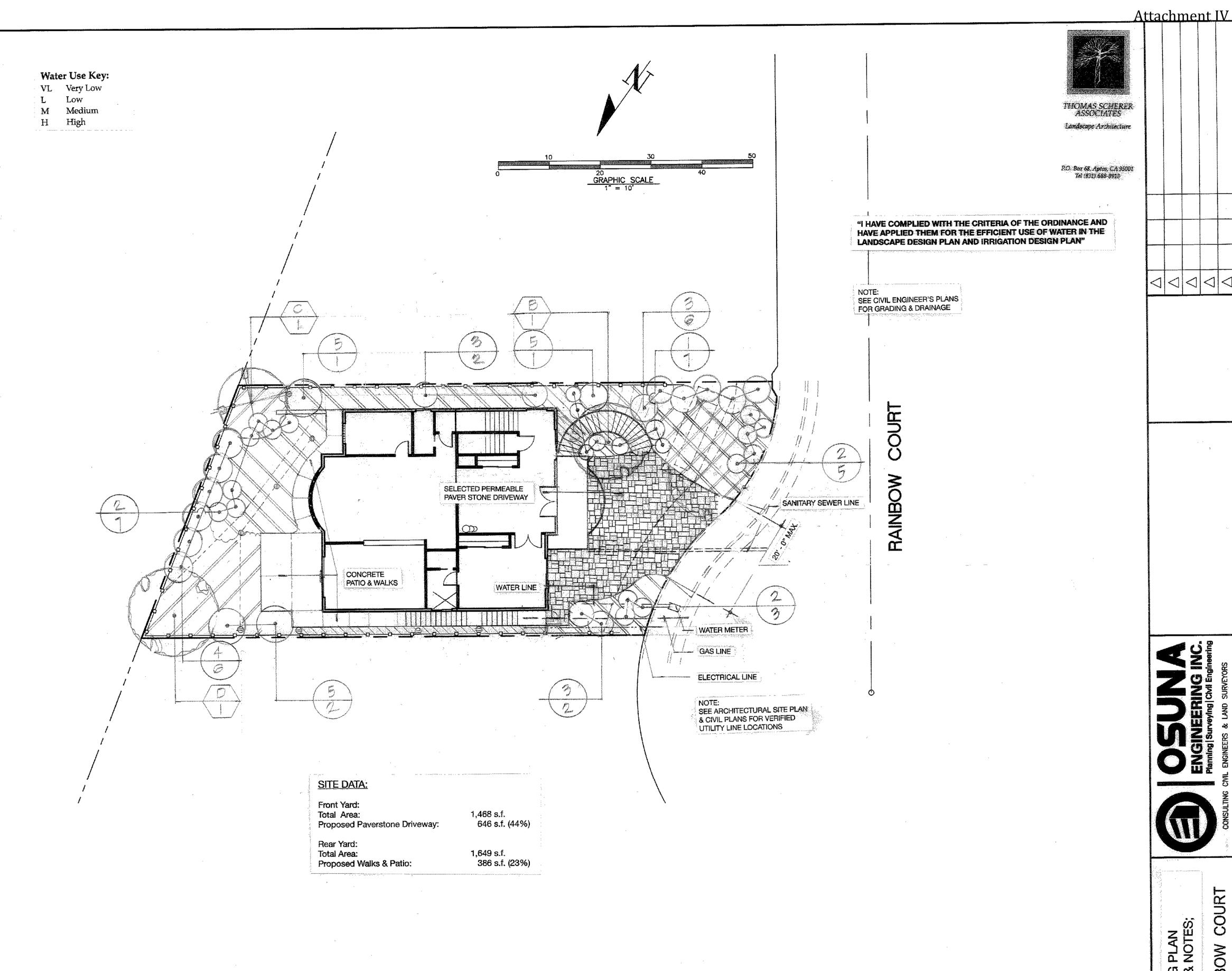
# 1. NOT USED



applications of fertilizer.

Efficient Landscape Ordinance.

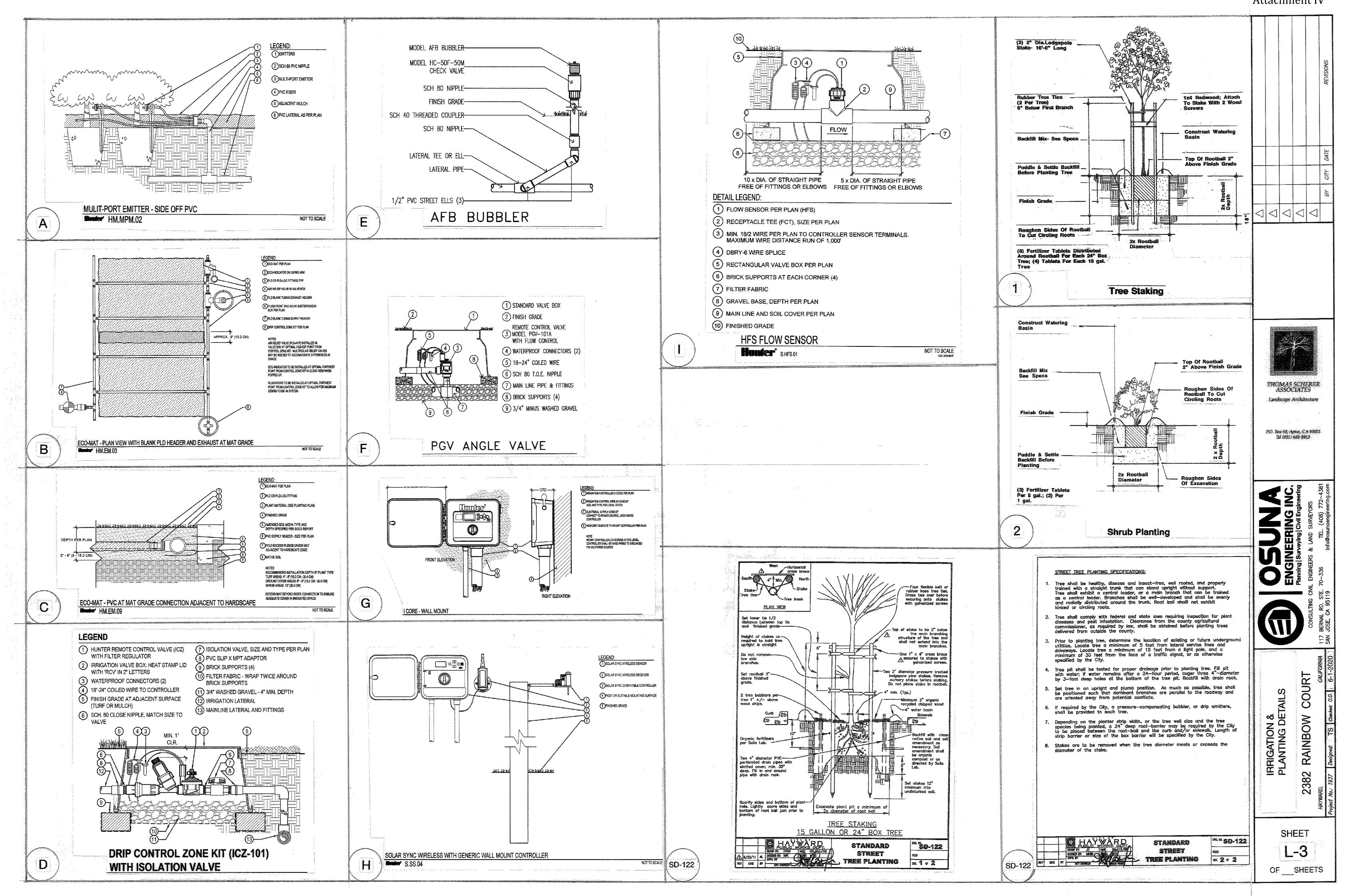
Contractor shall comply with all features of Chapter 10 Article 12 of the Bay Friendly Water

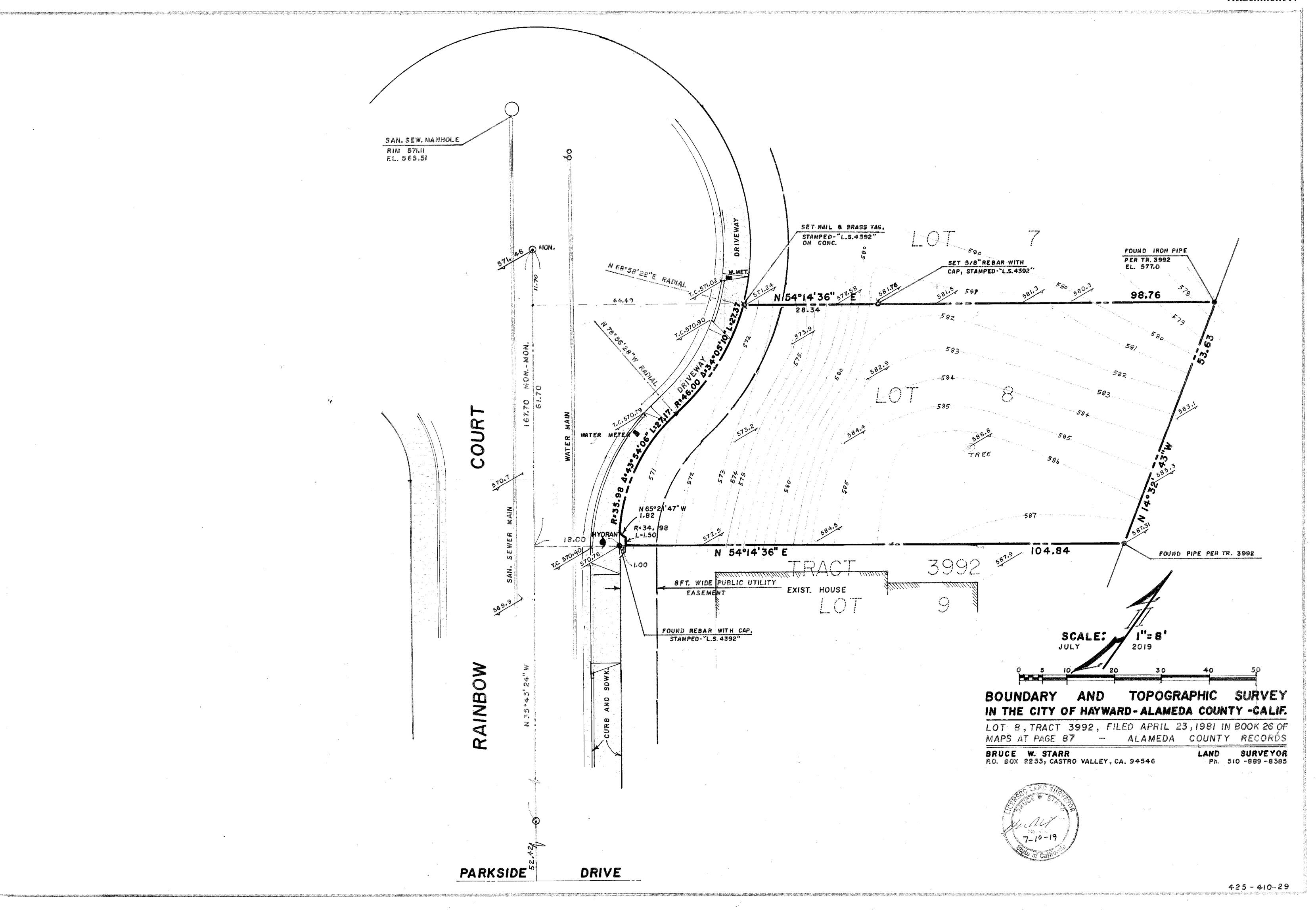


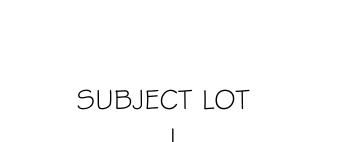
RAINBOW PLANTING LEGEND & I

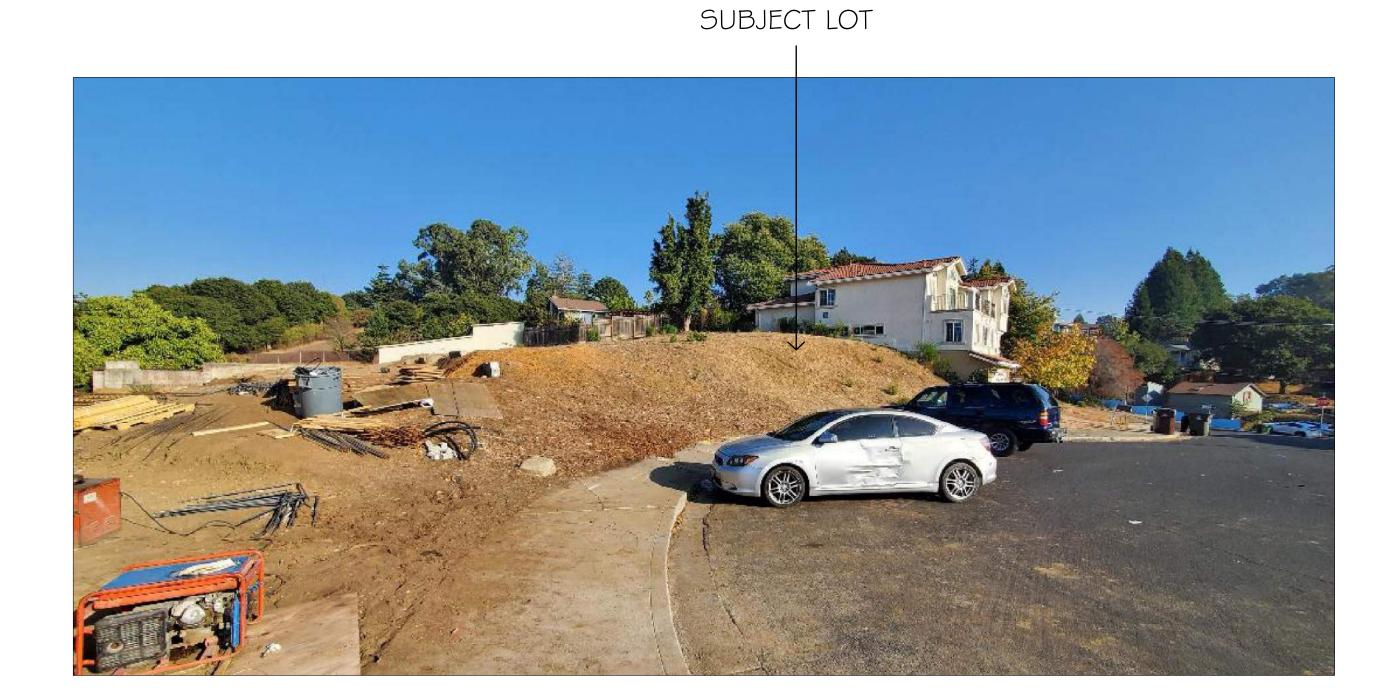
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OF \_\_\_SHEETS



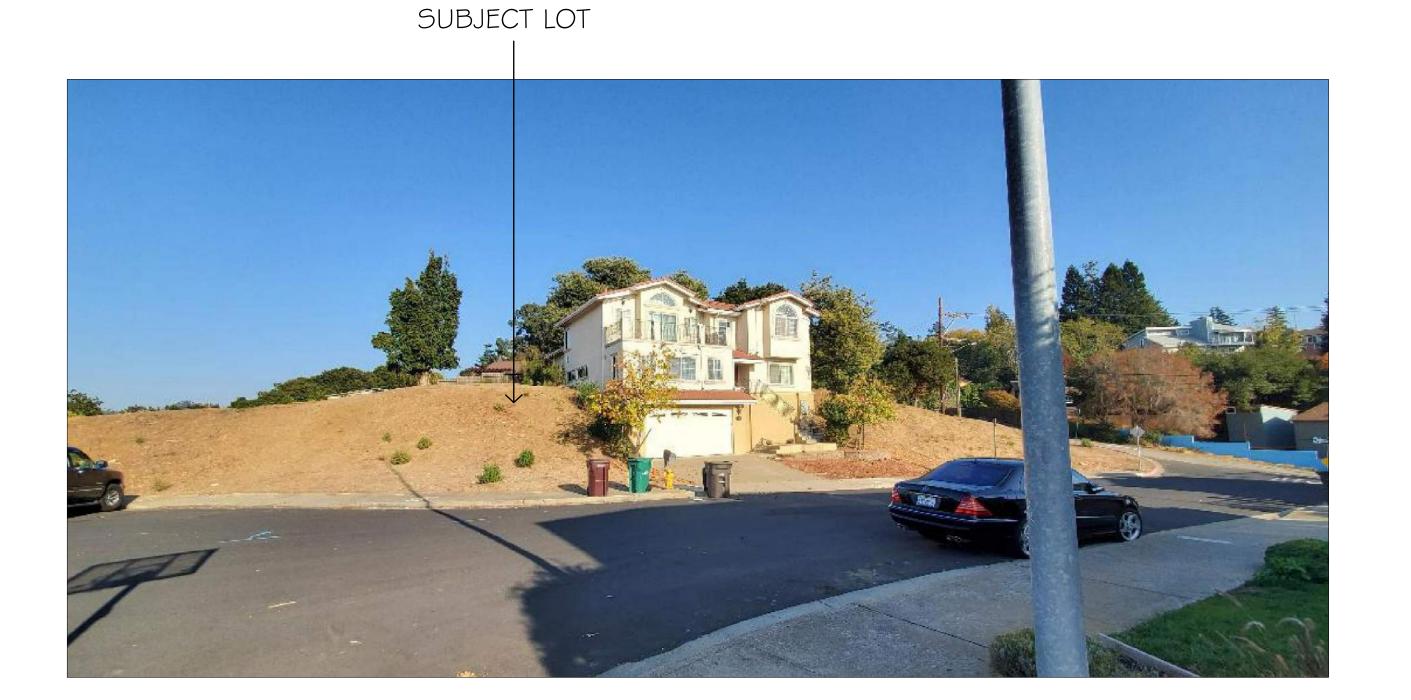


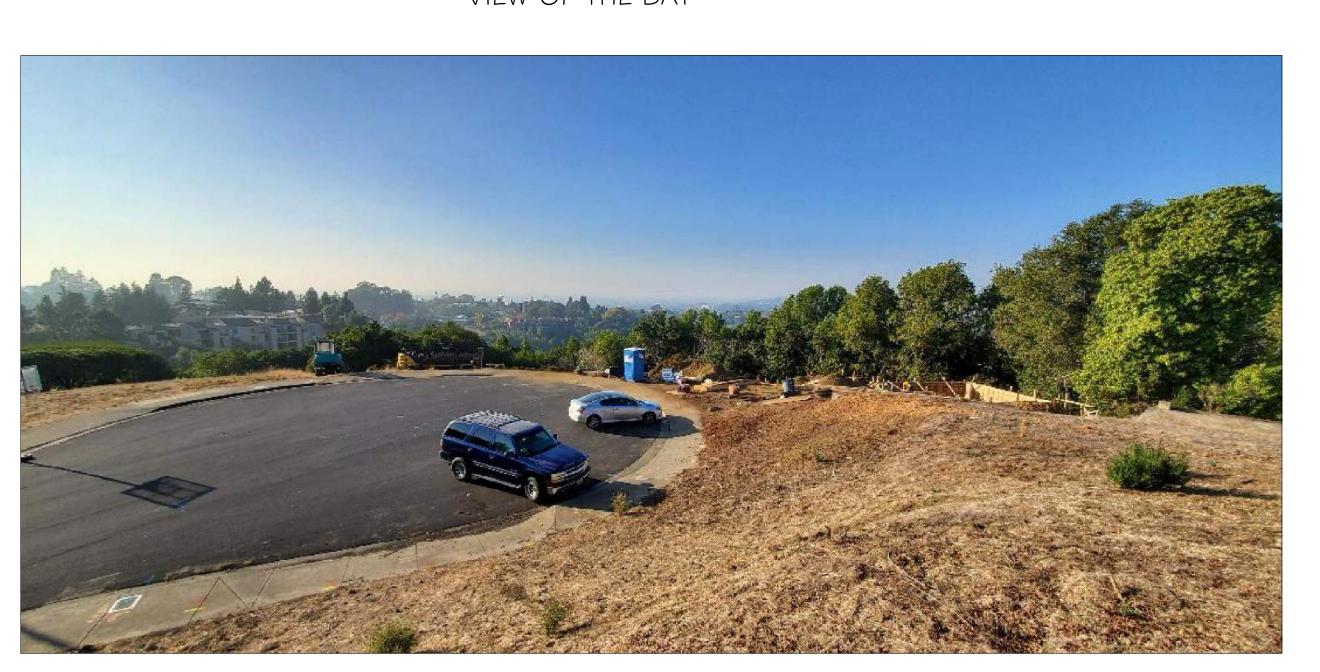


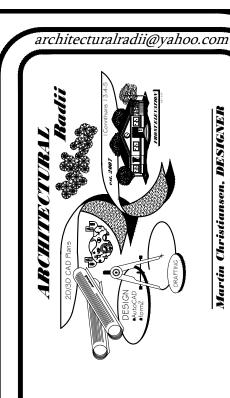




VIEW OF THE BAY







Ventures LLC
Sainboar Ct.

lo. Revision/Issue Dat

Designed/Drafted by

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Scope of Work

See Sheet A I PROJECT INFORMATION..

