



PROJECT INFORMATION

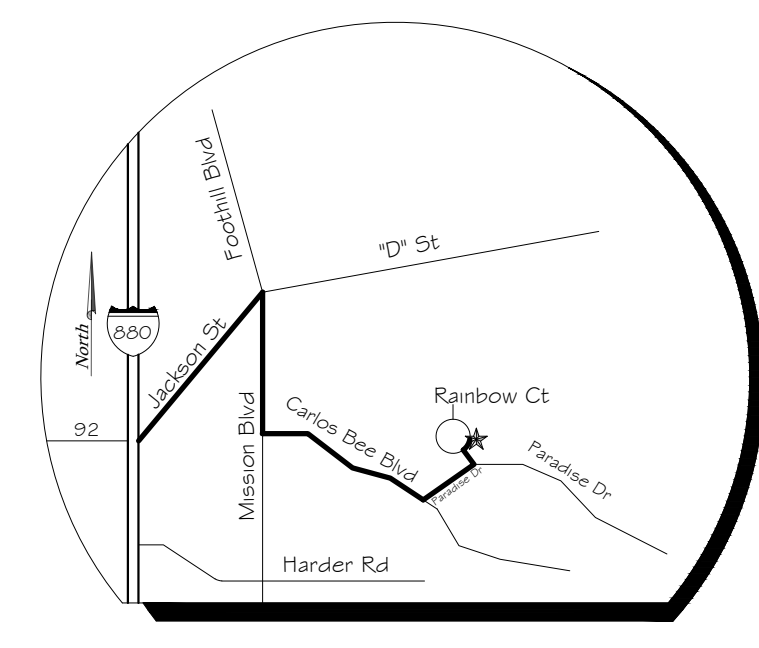
PROJECT ADDRESS: 2382 Rainbow Ct. (APN:) 425-41-29
 Hayward, CA 94542
SCOPE OF WORK: Construct a (N)5104ft2 3-story SFD w/Rooftop Terrace per Plans/Specifications
ZONING: RS Single-family Residential 5000ft2
TYPE OF CONSTRUCTION: V-B
TYPE OF OCCUPANCY: R3/U
CONSTRUCTION AREA: 3442ft2 Habitable, 1192ft2 3-car Garage, 770ft2 Rooftop Terrace = 5404ft2
FOOTPRINT: 2083ft2
LOT SIZE: 104'x53' avg. (5227ft2) 2083ft2/5227ft2 = Lot Coverage 40%

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

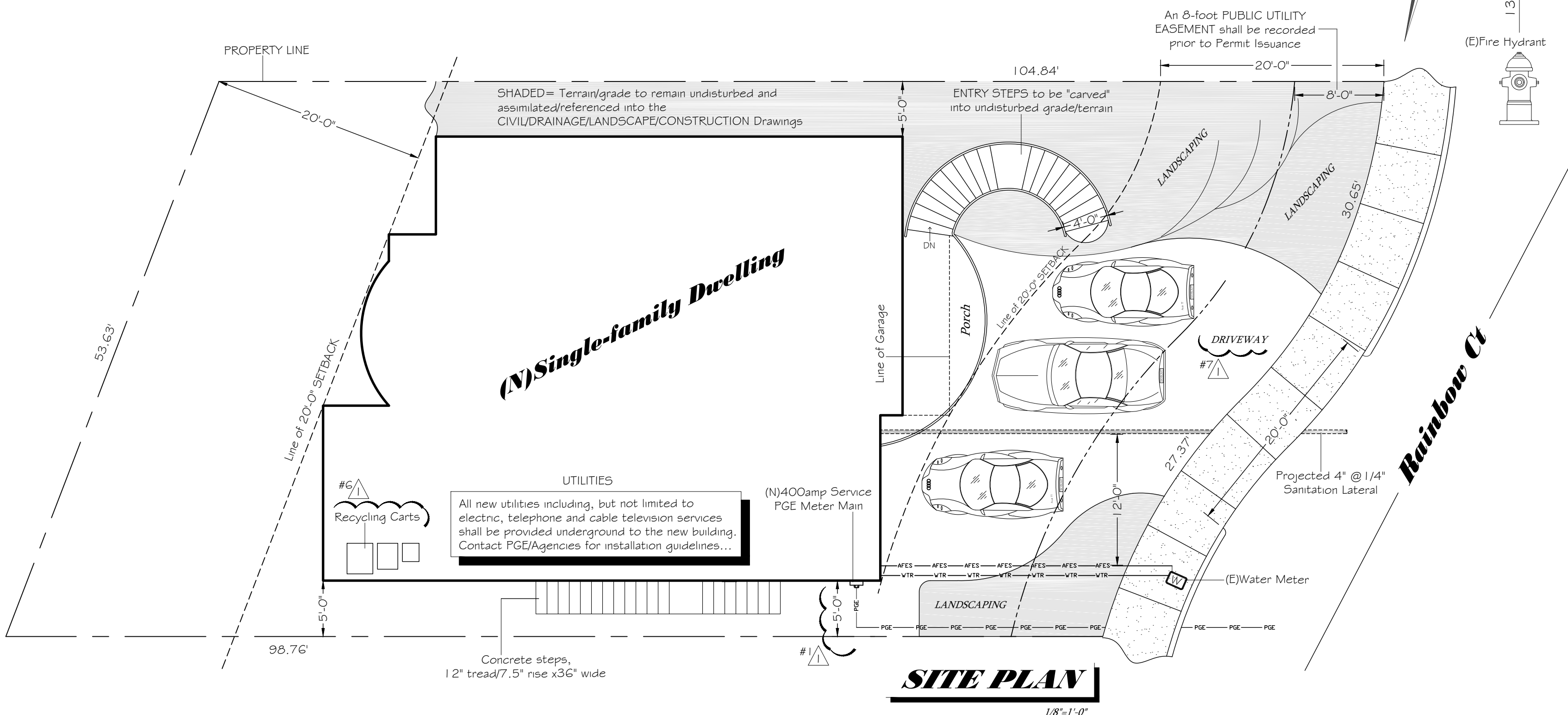
AFES: Yes. (deferred submittal)

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)
- LP3 LANDSCAPE PLAN (Irrigation Notes)
- C1 DRAINAGE PLAN
- C2 DRAINAGE CONSTRUCTION DETAILS
- C3 EROSION CONTROL
- SU SURVEY/TOPOGRAPHY PLAN
- V1 SUBJECT LOT PHOTOS



EMERGENCY PHONE: _____



SITE PLAN
1/8"=1'-0"

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.

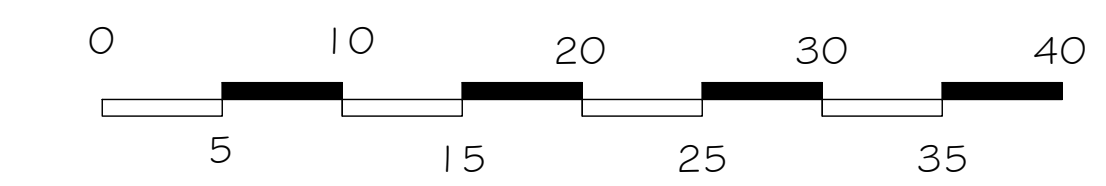
CODES AND ORDINANCES

- 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 UMO) - 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...

1. 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.



- (STORM DRAINS) CGBC 4.1.06.2
1. 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).
 3. 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

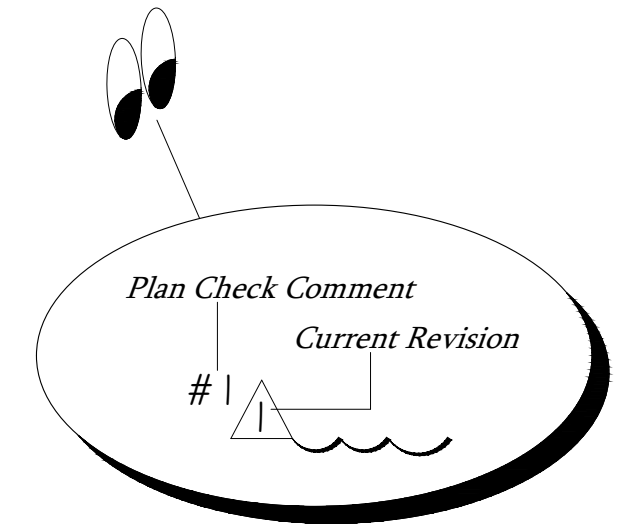
Manufactured Truss drawings and calculations shall be prepared by a civil or structural engineer licensed in the State of California. The design shall be submitted to the responsible design professional in charge who shall review them and forward them to the Building Official with a notation indicating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

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 concrete and fifty percent (50%) of remaining construction and/or demolition debris generated by this project shall be recycled. The 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 that serve the South Bay Area.

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 Alameda County (WMAC).

NOTE: Debris Boxes must be provided by (WMAC) per the City of Hayward Franchise Agreement with the Waste Management of Alameda County (WMAC).



BEST MANAGEMENT PRACTICES

The contractor shall implement all applicable Best Management Practices (BMPs) from the California Best Management Practices Handbook for Construction Activities for the duration of all activity. Additional BMPs may be required by the City Engineer as necessary to minimize the pollution of the storm water runoff from the project area.

Hose bibs shall have non-removable backflow devices

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

- a. Three copies of the approved site, utility, and grading and drainage plan, clearly showing any work in the public right-of-way.
- b. An itemized cost estimate for the proposed work within 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 correction of any construction deficiencies.
- d. Submittal of a completed encroachment permit application and payment of the permit fee as determined based on the cost estimate.
- e. Insurance endorsements meeting the City's minimum requirements.

PUBLIC WORKS

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

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 CoO. This condition of approval shall also be included on the building permit set, and shall be underlined and in bold lettering.

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.

UTILITIES

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

- AFES + FIRE DEPARTMENT NOTES**
1. 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 907.2.11.5.4 [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 Center for review and approval.
 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.

H&M Ventures LLC
 2382 Rainbow Ct.
 Hayward, CA 94542
 (408) 373-3365

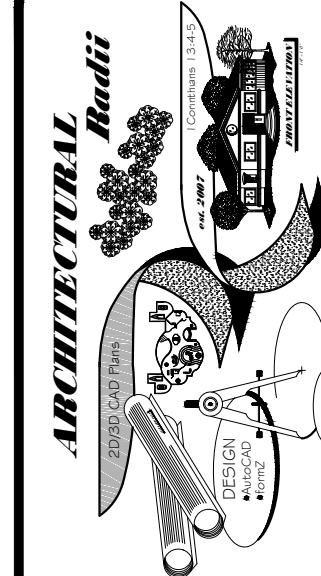
PC Letter 9/16/20

No. Revision/Issue

Designed/Drafted by
MARTIN CHRISTIANSEN
 33418 4th St.
 UNION CITY, CA 94587
 (510) 334-1959
 architecturalradii@yahoo.com

Scope of Work
 See Sheet A1
 PROJECT INFORMATION...

Project 19K Sheet
 Date 19.7-1
 Scale AS NOTED
A1



FRONT ELEVATION

1/4" = 1'-0"



REAR ELEVATION

1/4" = 1'-0"

H&M Ventures LLC
2382 Rainbow Ct.
Hayward, CA 94542
(408)373-3385

PC Letter 9/16/20

No.	Revision/Issue	Date

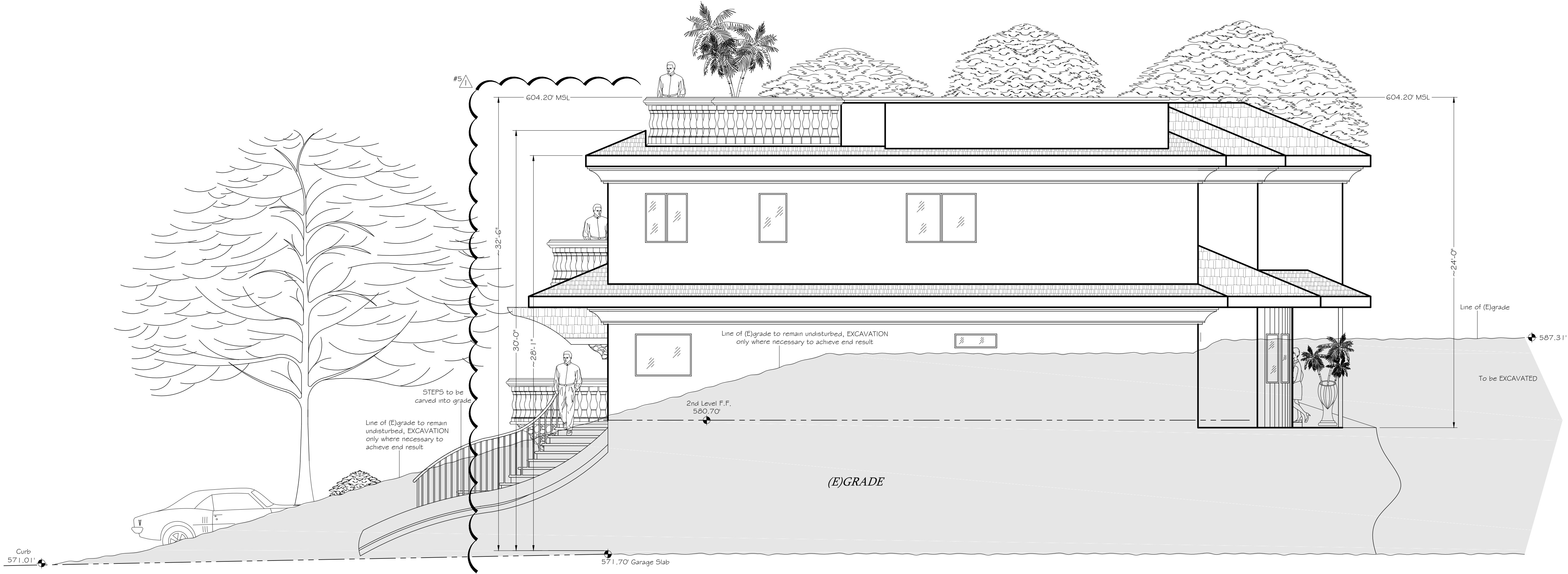
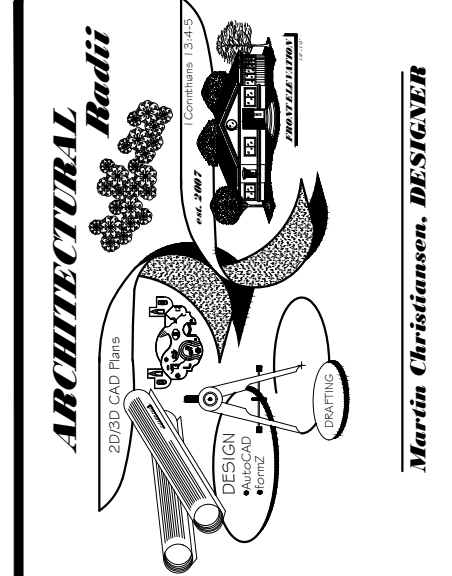
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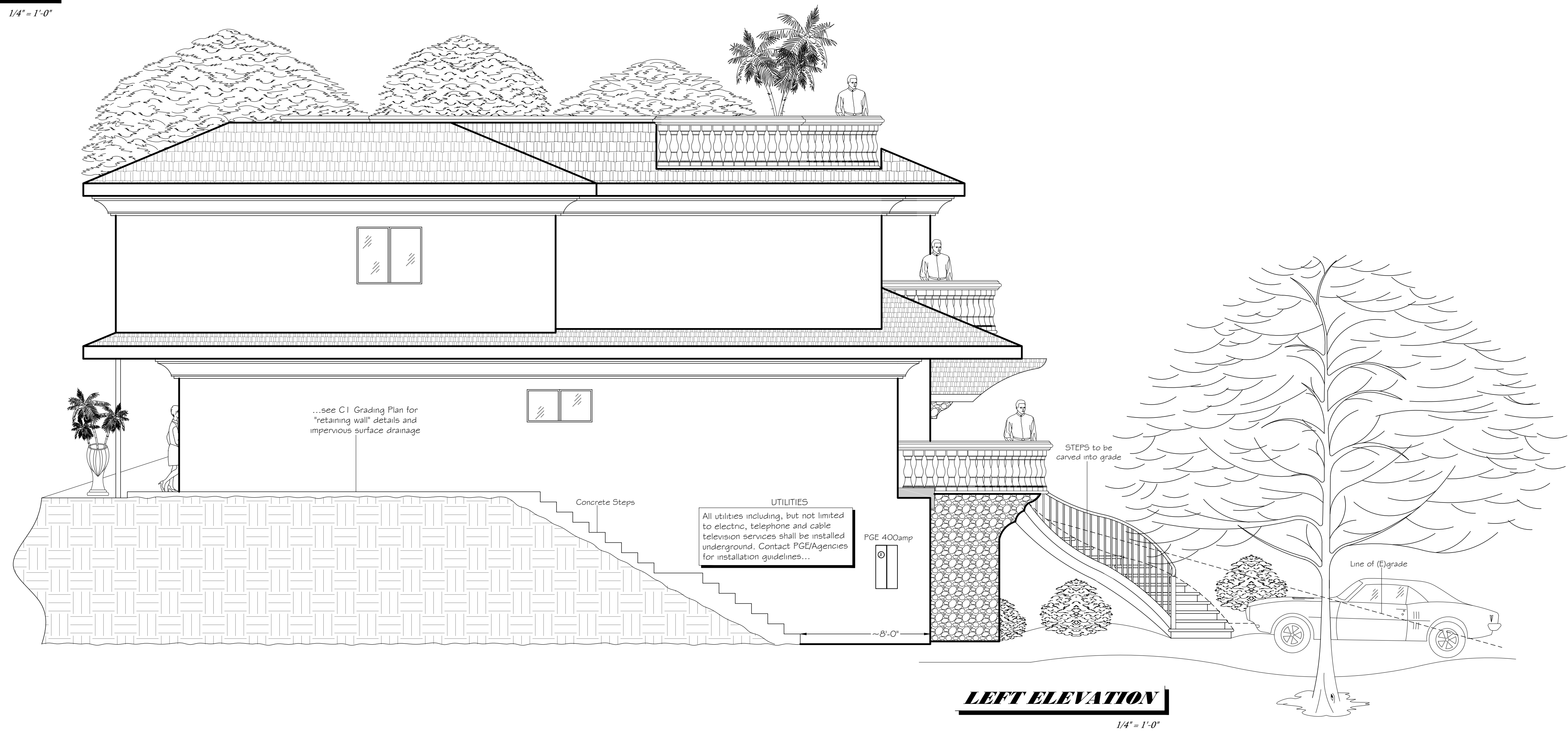
Scope of Work

See Sheet A1
 PROJECT
 INFORMATION...

Project	19K	Sheet	A2
Date	19.7-1		
Scale	AS NOTED		



RIGHT ELEVATION
1/4" = 1'-0"



LEFT ELEVATION
1/4" = 1'-0"

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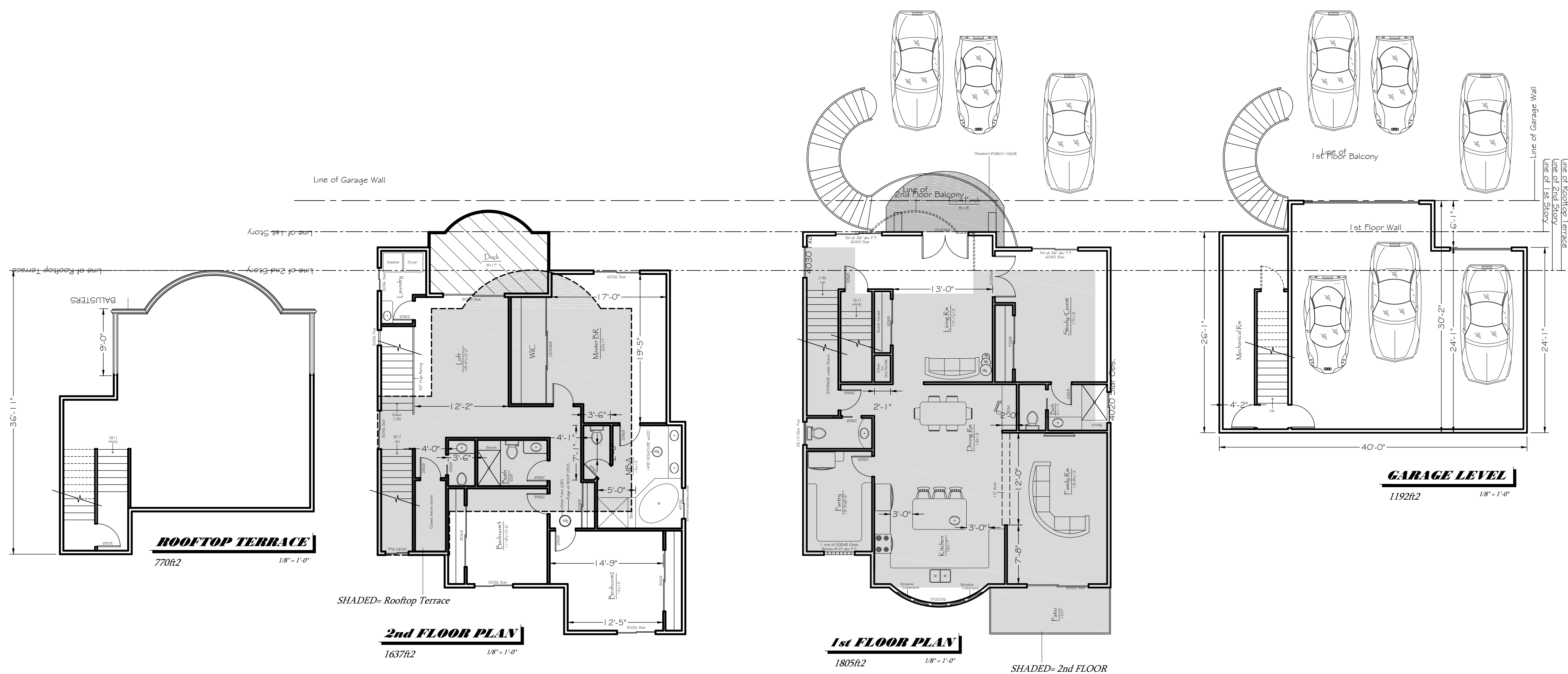
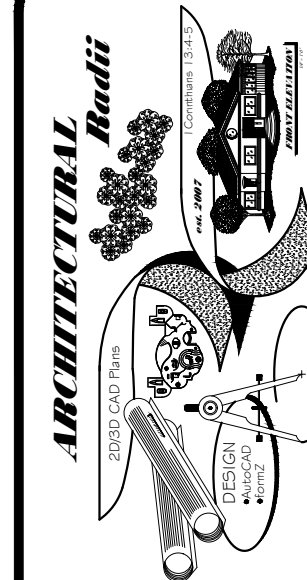
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Scope of Work
See Sheet A1
PROJECT
INFORMATION...

Project	19K	Sheet	A3
Date	19.7-1		
Scale	AS NOTED		



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Scope of Work

See Sheet A1
PROJECT
INFORMATION...

Project	19K	Sheet	A4
Date	19.7.1		
Scale	A5 NOTED		

GRADING & DRAINAGE NOTES:

NOTE: THIS DRAWING IS APPROVED SUBJECT TO:

- 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 GRADING.
- 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.
- 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 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 IMMEDIATELY.
- 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 5.4.08.
- 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:
- 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.
- PERIMETER BUILDING GRADES SHALL SLOPE AWAY FROM BUILDINGS AT LEAST 5% MINIMUM
- 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

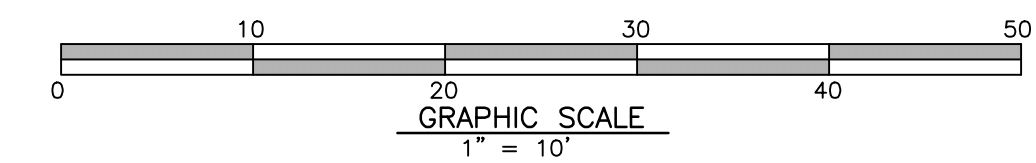
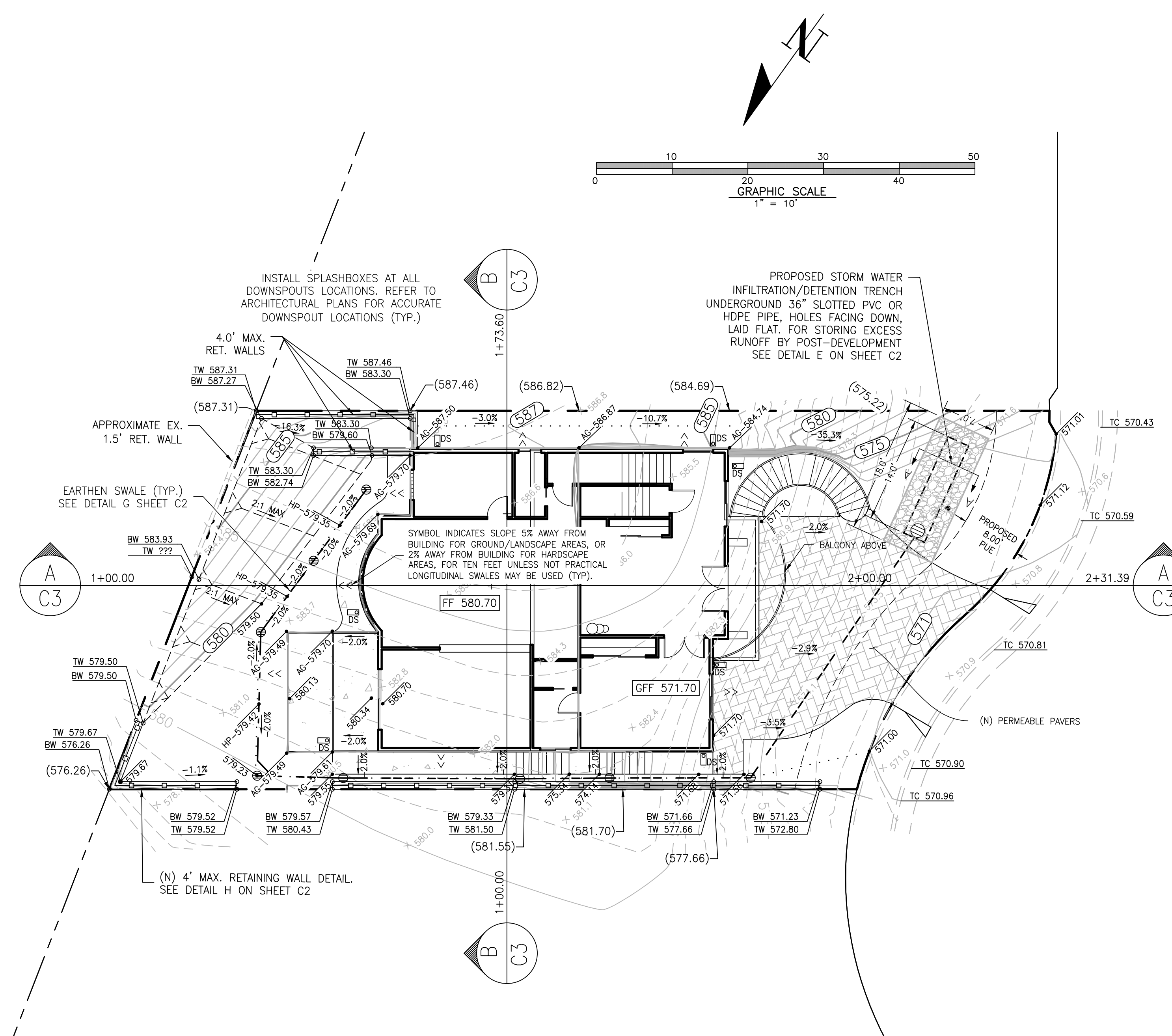
EARTHWORK QUANTITIES		
DESCRIPTION	CUT (-)	FILL (+)
BUILDING FOOTPRINT	580 C.Y.	0 C.Y.
SITE WORK (EXCLUDES BUILDING FOOTPRINT)	385 C.Y.	4 C.Y.
TOTALS RAW:	965 C.Y.	4 C.Y.
20% SHRINKAGE FACTOR (ASSUMED)	965 C.Y.	1 C.Y.
TOTAL ADJUSTED:	965 C.Y.	5 C.Y.
NET EXPORT = CUT - FILL	960 C.Y. (N=PLACE C.Y.)	

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

ABBREVIATIONS

- | | |
|--------------------------------|--------------------------------------|
| AC = ASPHALT CONCRETE | LP = LOW POINT |
| AD = AREA DRAIN | PAD = PAD ELEVATION |
| BC = BEGIN CURVE | PCC = PORTLAND CEMENT CONCRETE |
| BS = BOTTOM OF STAIR | PL = PROPERTY LINE |
| BU = BUBBLE UP | PV = PAVEMENT GRADE |
| BVC = BEGIN VERTICAL CURVE | PVC = POLYVINYL CHLORIDE PIPE |
| BRW = BOTTOM OF RETAINING WALL | PVI = POINT OF VERTICAL INTERSECTION |
| CB = CATCH BASIN | RPC = REINFORCED CONCRETE PIPE |
| CL = CENTERLINE | ROW = RIGHT OF WAY |
| CO = CLEANOUT | S<=0%> = SLOPE |
| DS = DOWNSPOUT WITH SPLASH BOX | SD = STORM DRAIN |
| EC = END CURVE | SDMH = STORM DRAIN MANHOLE |
| ELEV. = ELEVATION | SG = SUBGRADE ELEVATION |
| EVC = END VERTICAL CURVE | SS = SANITARY SEWER |
| EX = EXISTING | SSMH = SANITARY SEWER MANHOLE |
| F/C = FACE OF CURB | STA = STATION |
| FF = FINISHED FLOOR ELEVATION | TC = TOP OF CURB |
| FH = FIRE HYDRANT | TF = TOP OF FENCE |
| FL = FLOW LINE | TRW = TOP OF RETAINING WALL |
| GB = GRADE BREAK | TS = TOP OF STAIR |
| GFF = GARAGE FINISH FLOOR | TW = TOP OF WALL |
| HC = HANDICAP UNIT | VCP = VITRIFIED CLAY PIPE |
| INV = INVERT | WM = WATER METER |
| | WV = WATER VALVE |

DESCRIPTION	SYMBOL
BOUNDARY LINE	---
LOT LINE	---
EASEMENT LINE	---
SIDEWALK	---
WOOD FENCE	X X X
CHAIN LINK FENCE	---
RETAINING WALL	---
DRAINAGE DRAIN INLET	---
AREA DRAIN	---
DROP INLET	---
MONUMENT	---
FIRE HYDRANT	---
ELECTRODER	---
WATER METER	---
AC UNIT	---
SANITARY SEWER LATERAL	---
STORM DRAIN	SD
SANITARY SEWER	SS
STREET LIGHT CONDUITS	SL
WATER	W
JOINT TRENCH	JT
HOUSE SERVICE	SVC
SLOPE ARROW	---
EXISTING CONTOUR	---
PROPOSED CONTOUR	---
OVERLAND RELEASE	---
DIRECTION OF SURFACE DRAINAGE	---
S/S SLOPE AWAY FROM BUILDING	---
GAS LINE	---
OVERHEAD ELECTRICAL LINE	---
UNDERGROUND ELECTRICAL LINE	---
DOWNSPOUTS W/SPLASH BOX	---



RAINBOW COURT

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

	Existing Condition of Site Area Disturbed (+/- sq.ft.)	Proposed Condition of Site Area Disturbed (+/- sq.ft.)	
		Replaced (1)	New (2)
e Impervious Surfaces			
Roof Area(s)	0	0	2,019
Parking/Driveways	0	0	0
Sidewalks, Patios, etc.	0	0	469
Streets (Public)	0	0	0
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 Impervious Surfaces (e.2 + e.3):	2,488
h. Total Proposed Pervious Surfaces = Total Proposed Replaced + New Pervious Surfaces:	2,702
i. Percent of Replacement of Impervious Area in Redevelopment Projects (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=PERCENT (%) SLOPE = (I * L*100)/A

I = INTERVAL OF CONTOURS = 1

L = LENGTH OF SUM OF CONTOURS = 1106 FT

A = GROSS AREA IN SQUARE FEET = 5190 SF

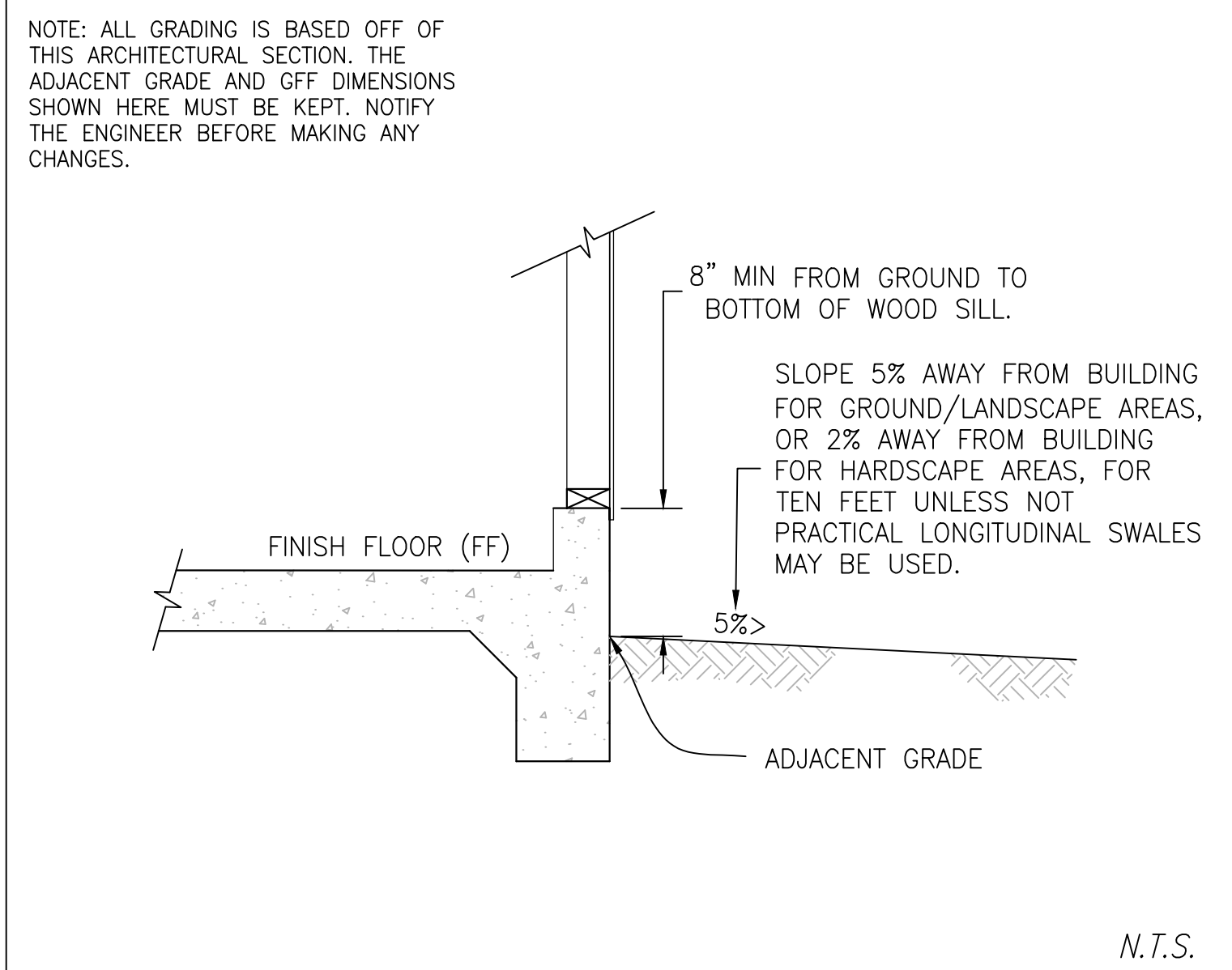
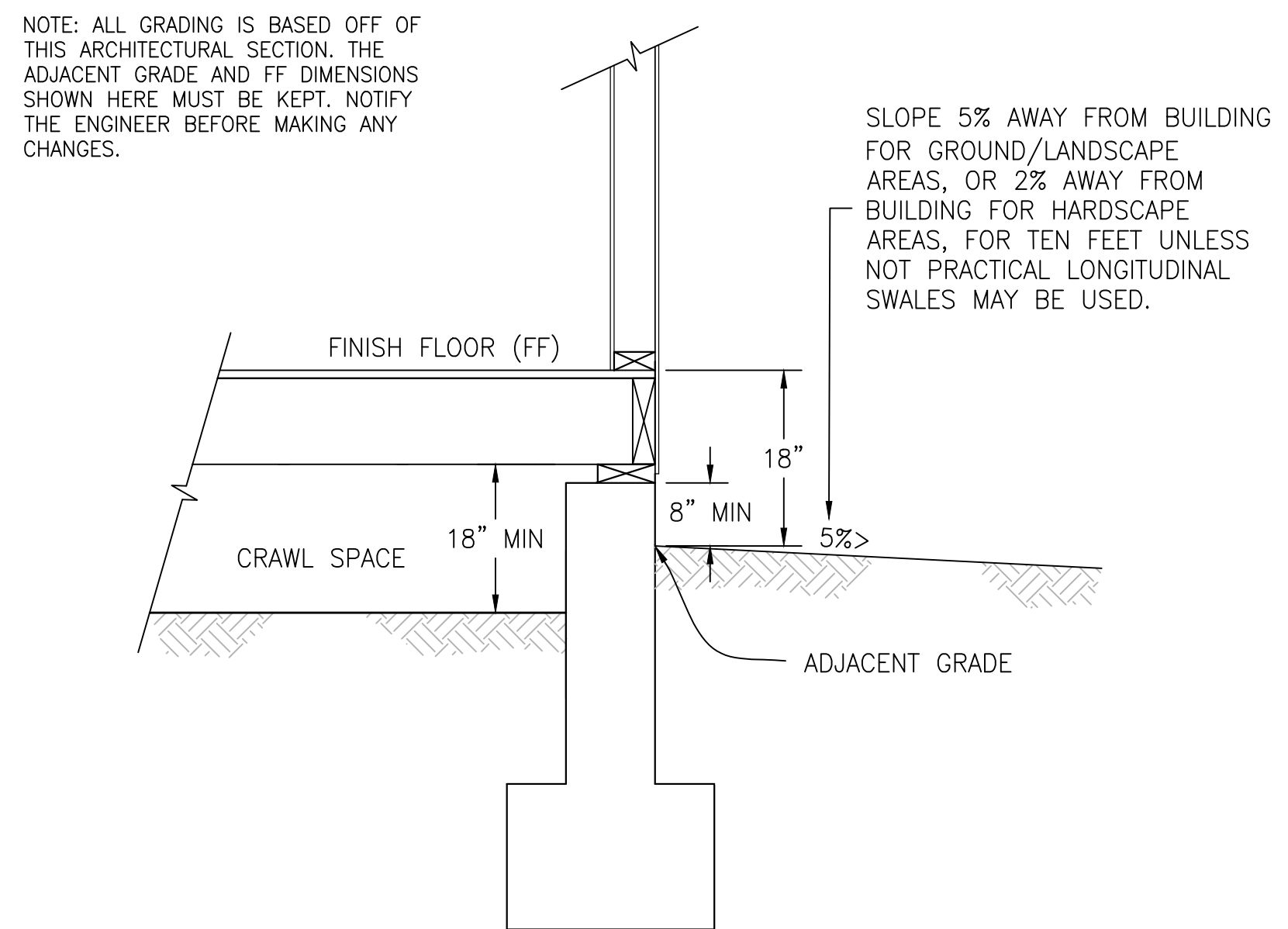
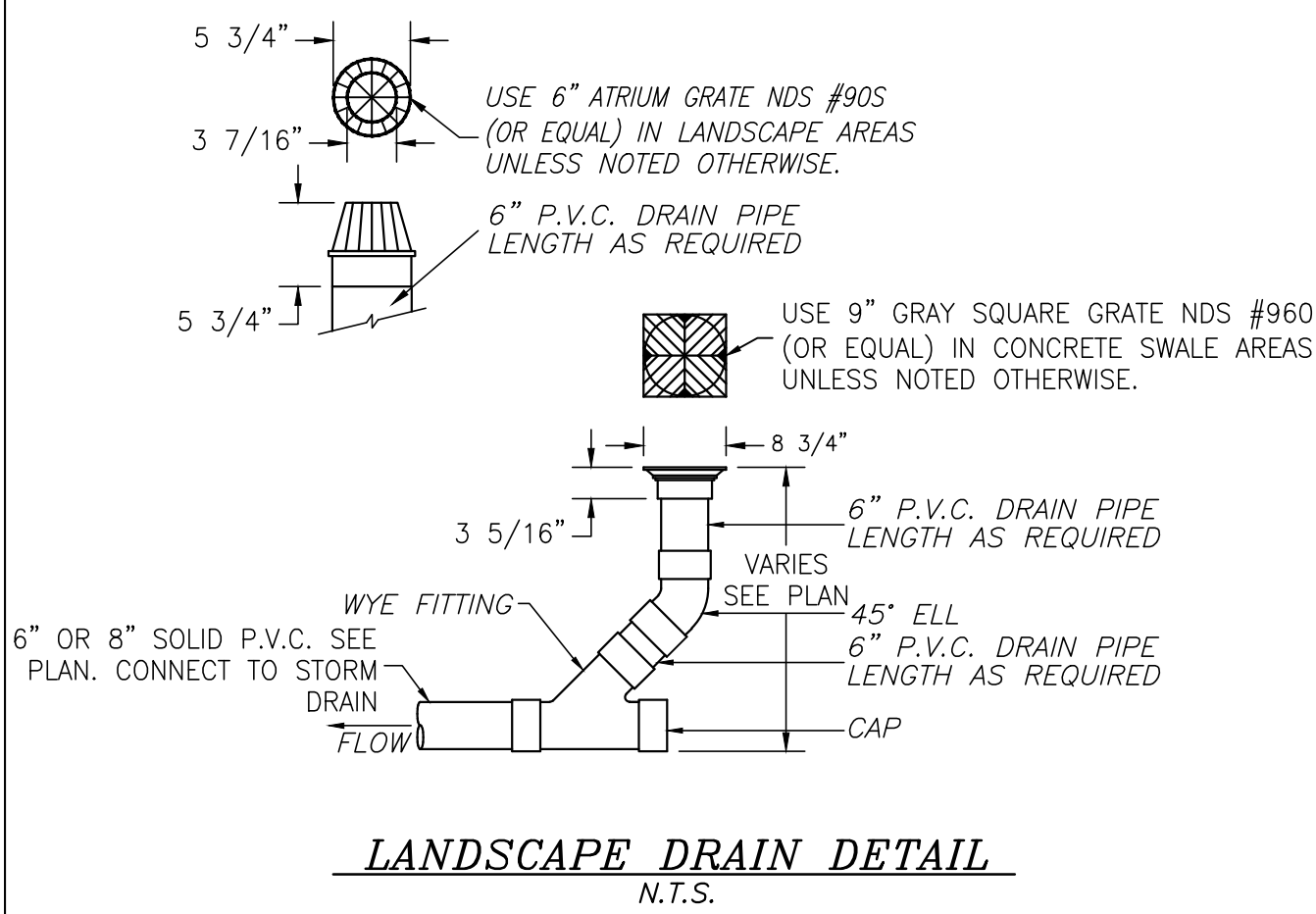
SO:

S = 21.3 %

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

<p>OSUNA ENGINEERING INC. Planning Surveying Civil Engineering</p> <p>CONSULTING CIVIL ENGINEERS & LAND SURVEYORS 117 BERNAL RD. STE. 70-336 SAN JOSE, CA 95119 TEL: (408) 772-4381 info@osunaengineering.com</p>	<p>REGISTERED PROFESSIONAL ENGINEER No. 70829 Exp. 6-30-21 CIVIL STATE OF CALIFORNIA</p> <p><i>P. Osuna</i> PORFIRIO OSCAR OSUNA RCE 70829 EXP. 6-30-21</p>
GRADING & DRAINAGE PLAN 2382 RAINBOW COURT HAYWARD, CALIFORNIA Project No.: 1937 Design: O.O. Check: O.O. Date: 11/20/20	REVISIONS DATE BY CITY
SHEET C1 OF 4 SHEETS	

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING ALL RESONS AND FROM THE TIME HIS EQUIPMENT SHALL BE USED TO NORMAL WORKING HOURS AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF ALL PERSONS AND PROPERTY ON THE PROJECT, INCLUDING THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.



N.T.S.

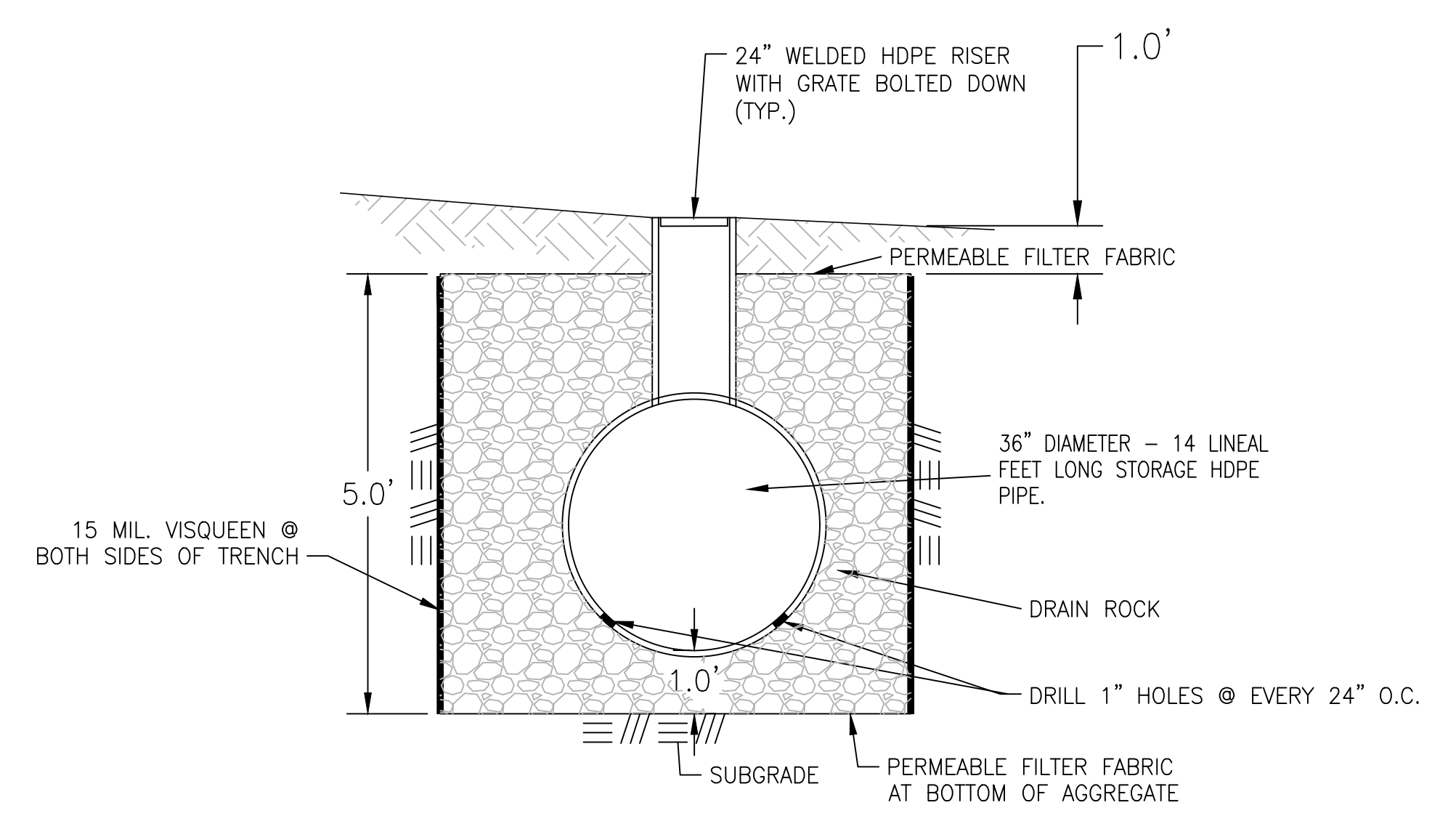
N.T.S.

A NOT USED

B AREA DRAIN DETAIL

C TYPICAL FOUNDATION/FF/GROUND SECTION

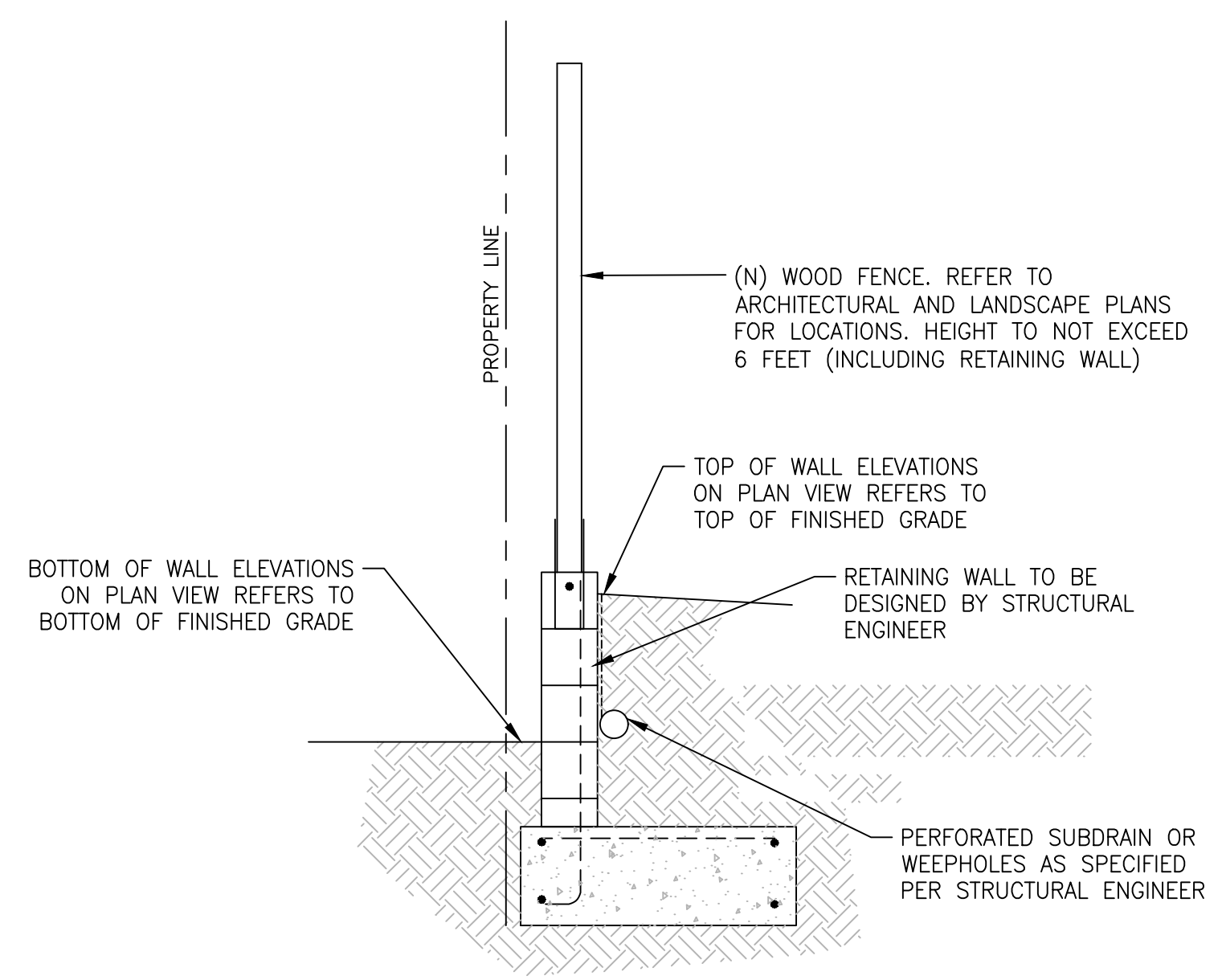
D TYPICAL FOUNDATION/GFF/GROUND SECTION



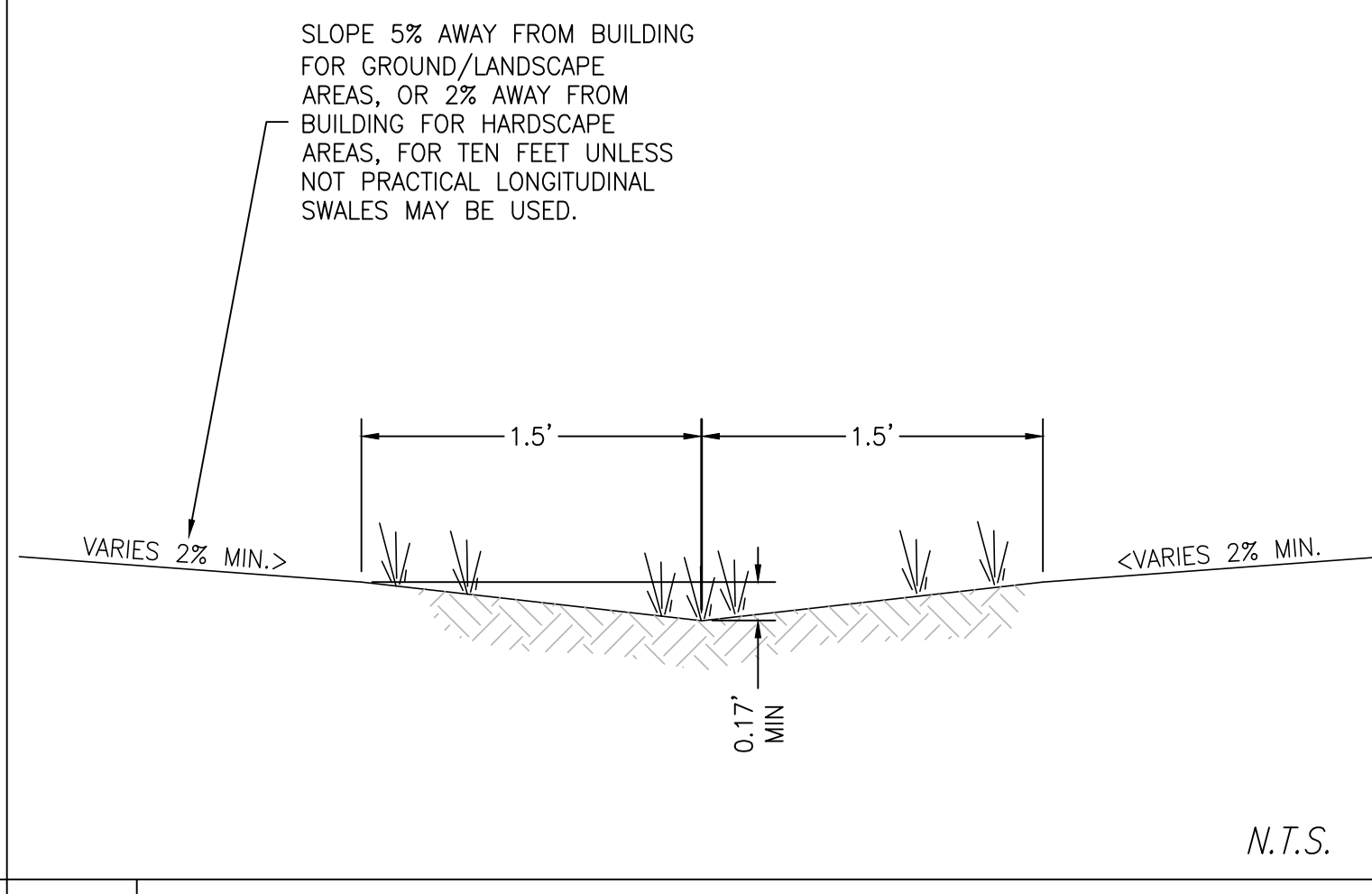
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E STORM WATER INFILTRATION/DETENTION TRENCH DETAIL

F NOT USED

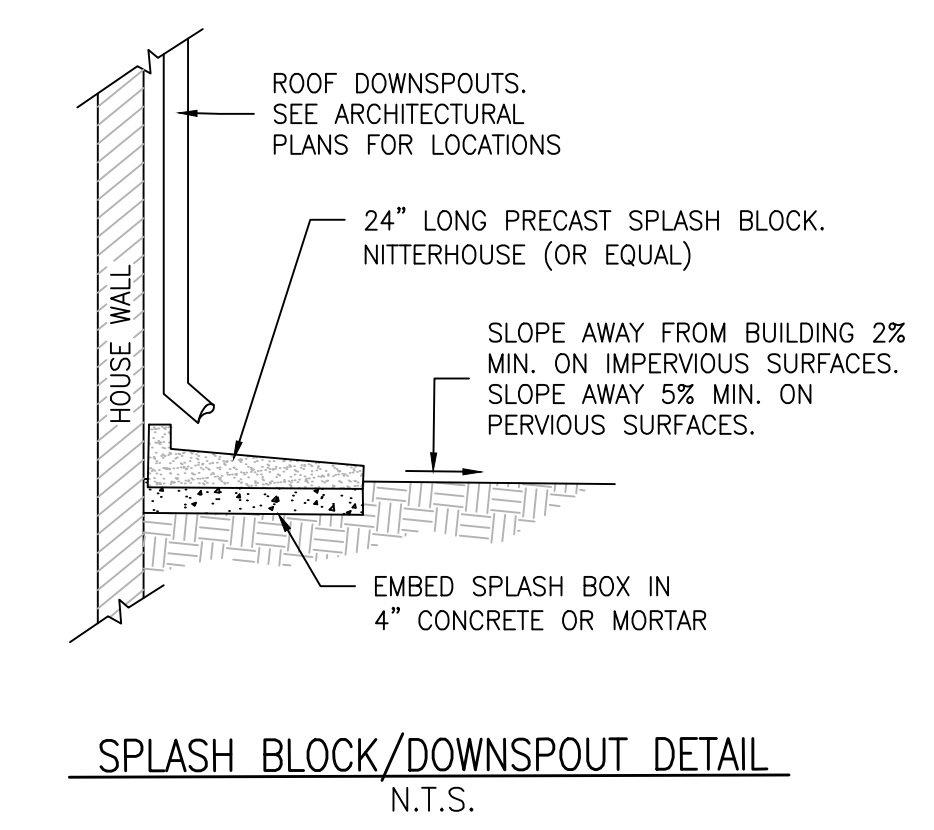


H GENERIC RETAINING WALL DETAIL



N.T.S.

G EARTHEN SWALE DETAIL

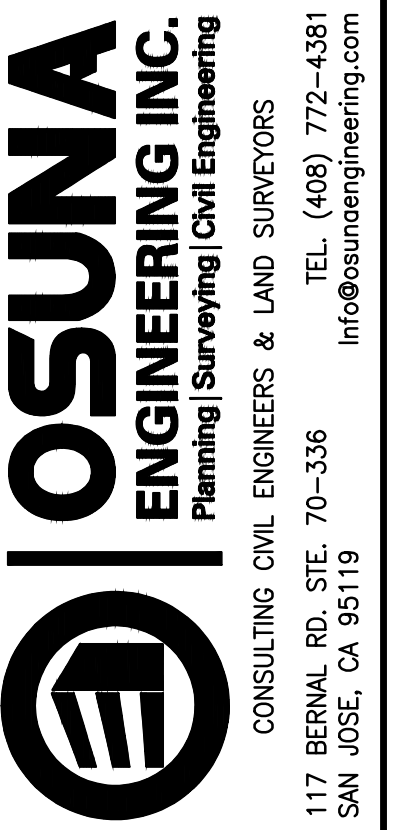


N.T.S.

I SPLASH BLOCK/DOWNSPOUT DETAIL



P. Oscar Osuna
 PORFIRIO OSCAR OSUNA
 RCE 70829 EXP. 6-30-21



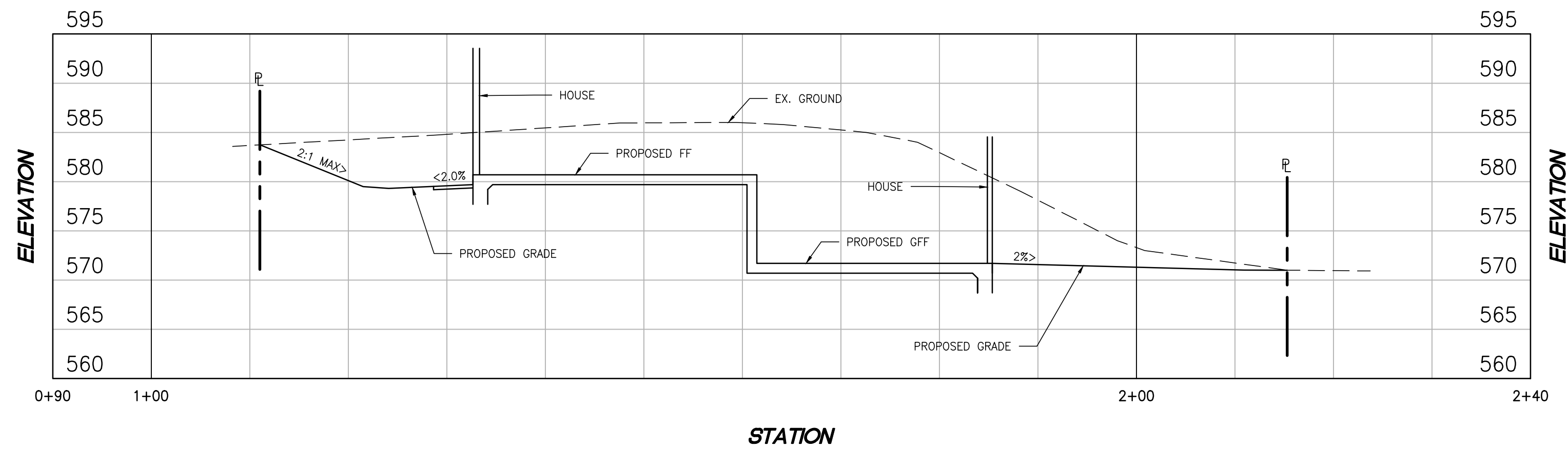
GRADING & DRAINAGE PLAN
 CONSTRUCTION DETAILS
 2382 RAINBOW COURT
 HAYWARD, CALIFORNIA
 Project No.: 1937 Design: J.O. Check: O.O. Date: 11/20/20

SHEET
C2
 OF 4 SHEETS

NO.	REVISIONS	DATE	BY

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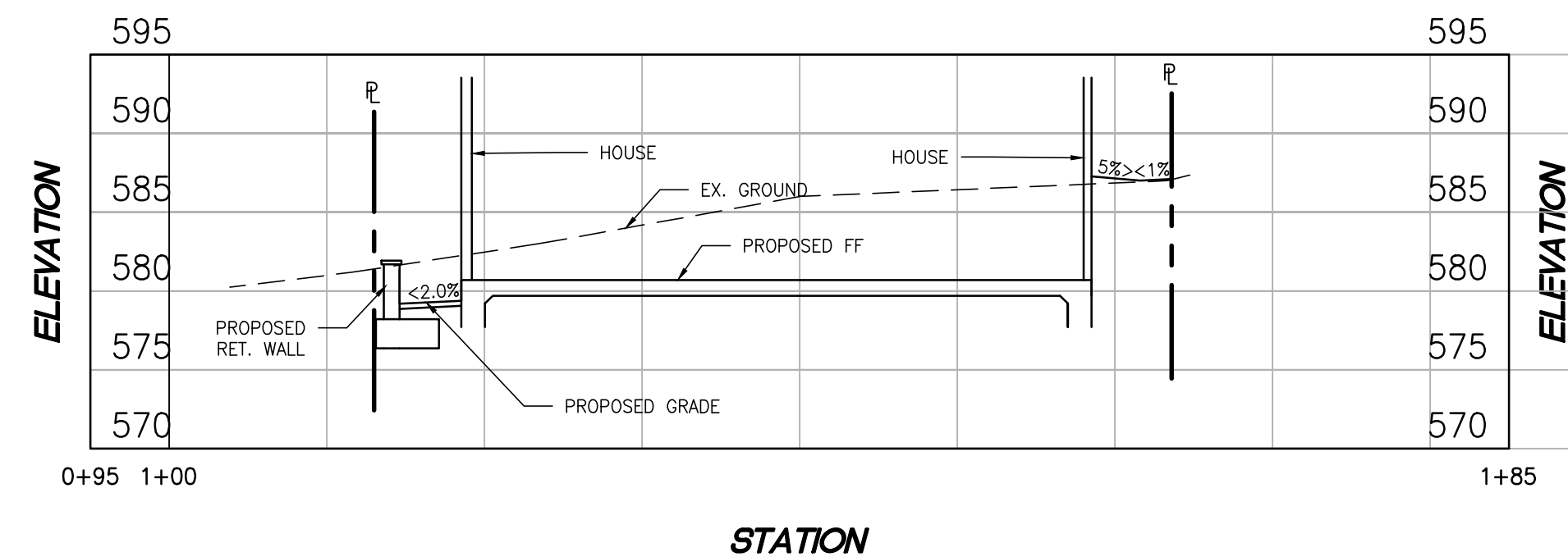
SECTION A PROFILE



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

A SECTION A

SECTION B PROFILE



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

B SECTION B

NO.	DATE	BY	CITY	REVISIONS



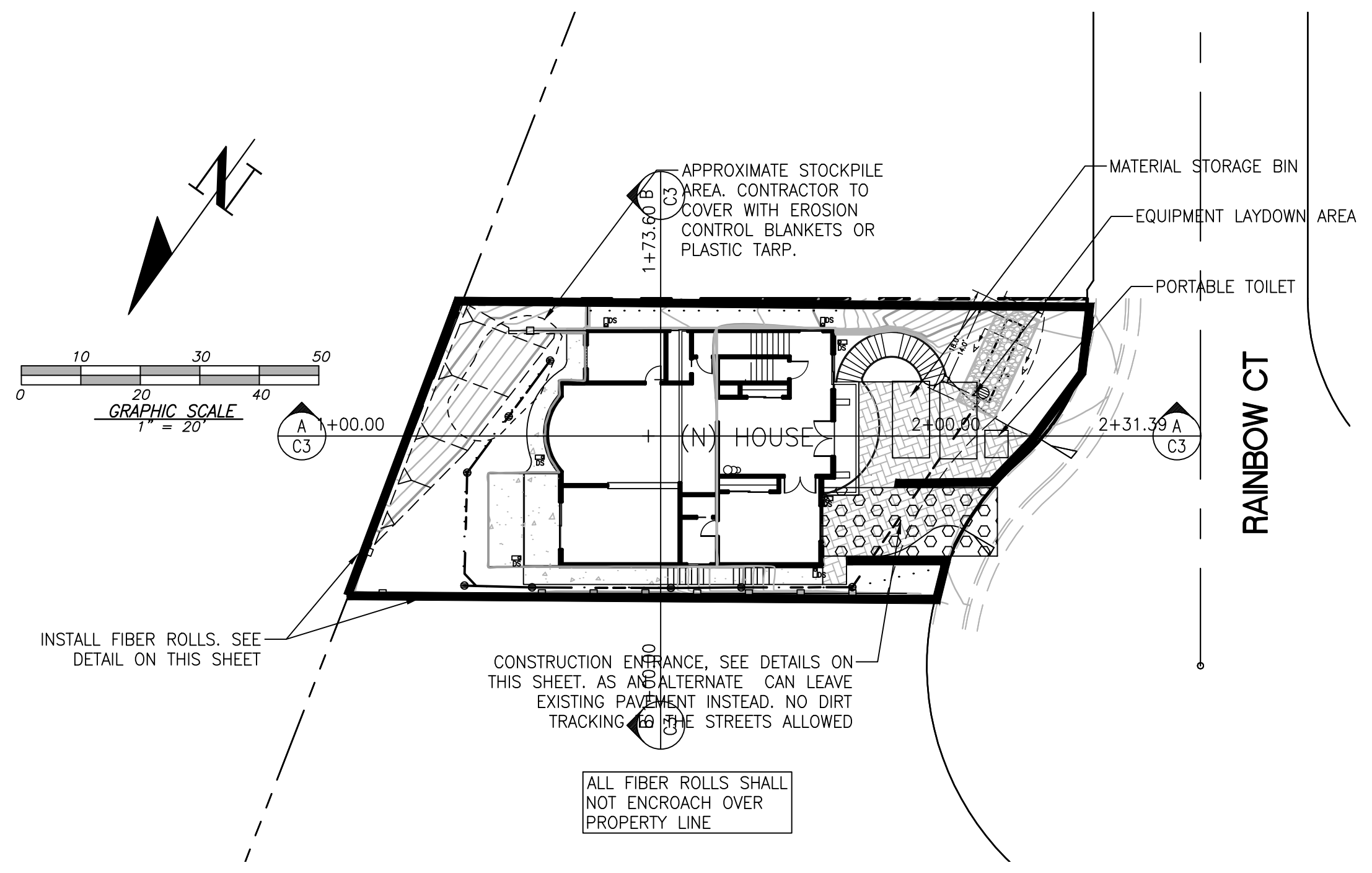
P. Oscar Osuna
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GRADING & DRAINAGE PLAN
 SECTIONS
 2382 RAINBOW COURT
 HAYWARD, CALIFORNIA
 Project No.: 1937 Design: J.O. Check: O.O. Date: 11/20/20

SHEET
C3
 OF 4 SHEETS

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NOTES:
 1. PROTECT ALL INLETS IN THE PUBLIC STREETS SURROUNDING THE SITE.
 2. ALL ON-SITE LANDSCAPE AREA DRAINS TO BE CAPPED OR PROTECTED UNTIL LANDSCAPING IS FINISHED.

LEGEND

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

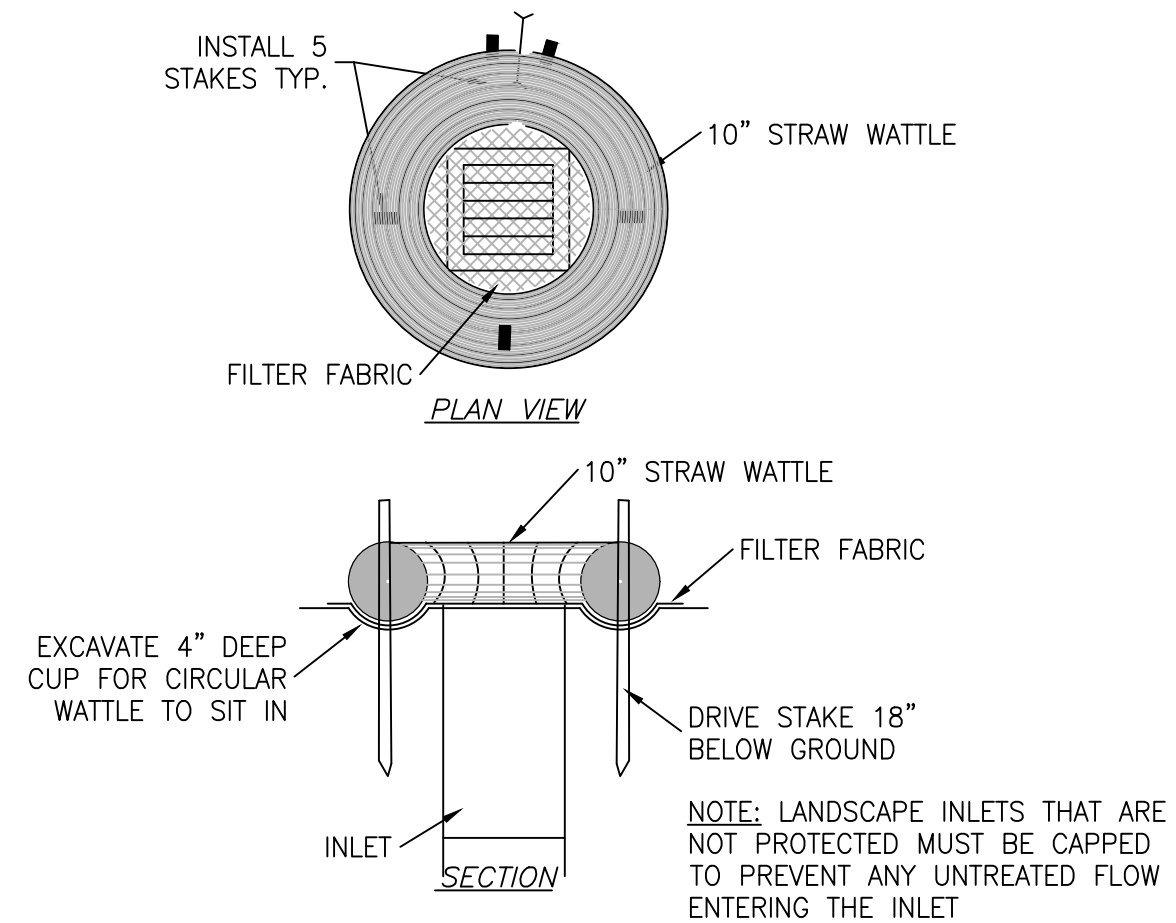
- MAINTENANCE NOTES**
- MAINTENANCE IS TO BE PERFORMED AS FOLLOWS:
- REPAIR DAMAGES CAUSED BY SOIL EROSION OR CONSTRUCTION AT THE END OF EACH WORKING DAY.
 - SWALES SHALL BE INSPECTED PERIODICALLY AND MAINTAINED AS NEEDED.
 - SEDIMENT TRAPS, BERMS, AND SWALES ARE TO BE INSPECTED AFTER EACH STORM AND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

EROSION & SEDIMENT CONTROL NOTES

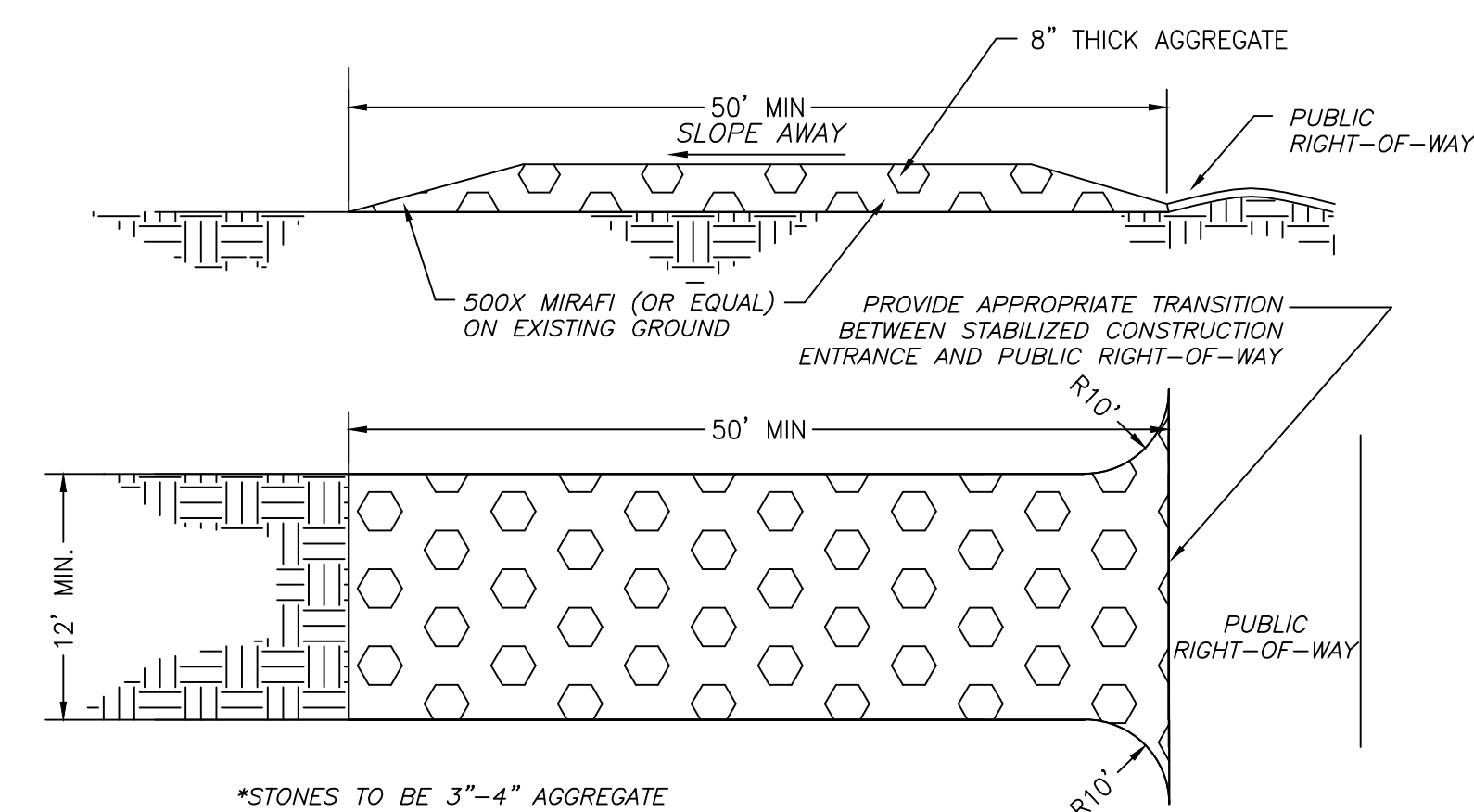
- NOT USED
- THE DEVELOPER IS RESPONSIBLE FOR ENSURING THAT ALL CONTRACTORS AND SUBCONTRACTORS ARE AWARE OF ALL STORM WATER QUALITY MEASURES AND IMPLEMENT SUCH MEASURES. FAILURE TO COMPLY WITH THE APPROVED CONSTRUCTION BEST MANAGEMENT PRACTICES WILL RESULT IN THE ISSUANCE OF CORRECTION NOTICES, CITATIONS, AND/OR STOP ORDERS.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LITTER CONTROL AND SWEEPING OF ALL PAVED SURFACES DURING CONSTRUCTION.
- 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.
- 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.
- IF RAINY WEATHER BECOMES IMMINENT, GRADING OPERATIONS SHALL BE STOPPED AND EROSION CONTROL MEASURES SHALL BE IMPLEMENTED TO PROTECT DISTURBED AREAS.
- 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 UNLAI D 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.
- INLETS NOT USED IN CONJUNCTION WITH EROSION CONTROL MEASURES ARE TO BE BLOCKED UNLESS THE AREA DRAINED IS UNDISTURBED OR STABILIZED.
- BORROW AREAS AND TEMPORARY STOCKPILES SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES TO THE SATISFACTION OF THE CITY ENGINEER.
- 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).
- 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

- SEE STANDARD EROSION & SEDIMENT CONTROL NOTES ABOVE.
- 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 EROSION CONTROL MEASURES IMMEDIATELY FOLLOWING GRADING ON THE SLOPES.
- 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.
- 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.
- 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.
- 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.

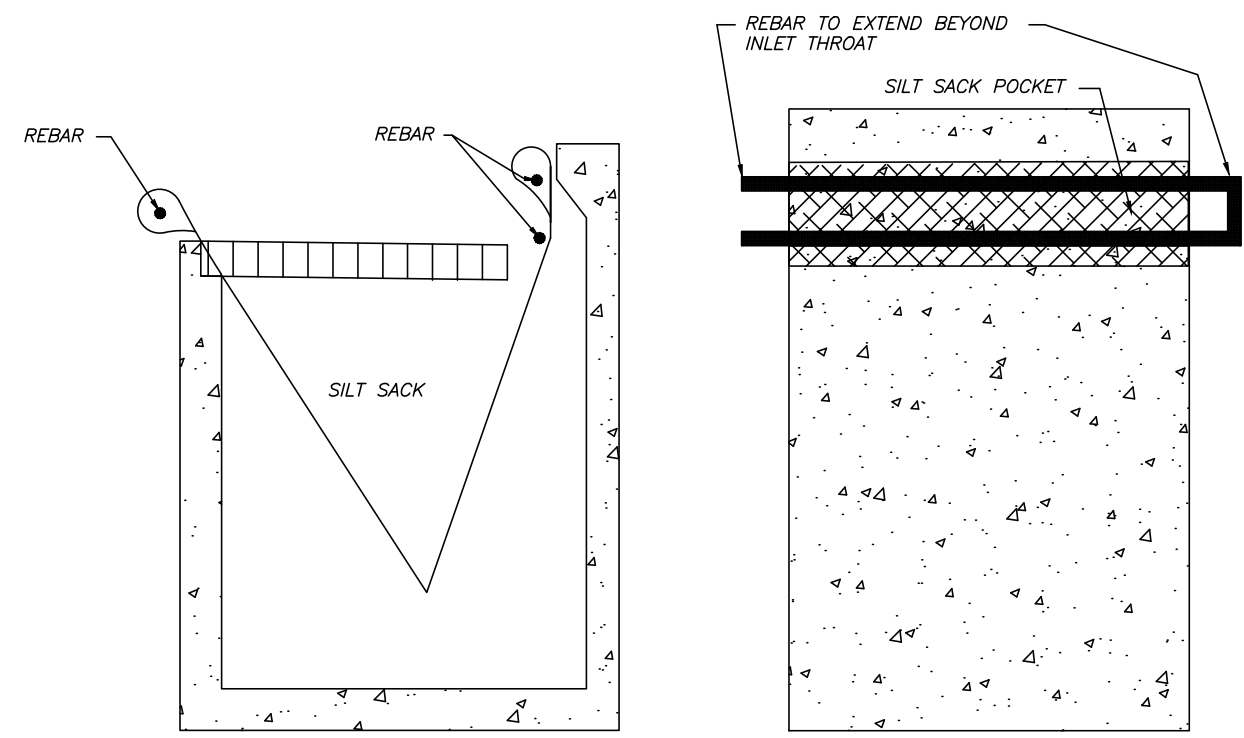


ALTERNATE FIBER ROLL INLET PROTECTION
 MAY BE USED IN LANDSCAPE AREA DRAINS
 N.T.S.

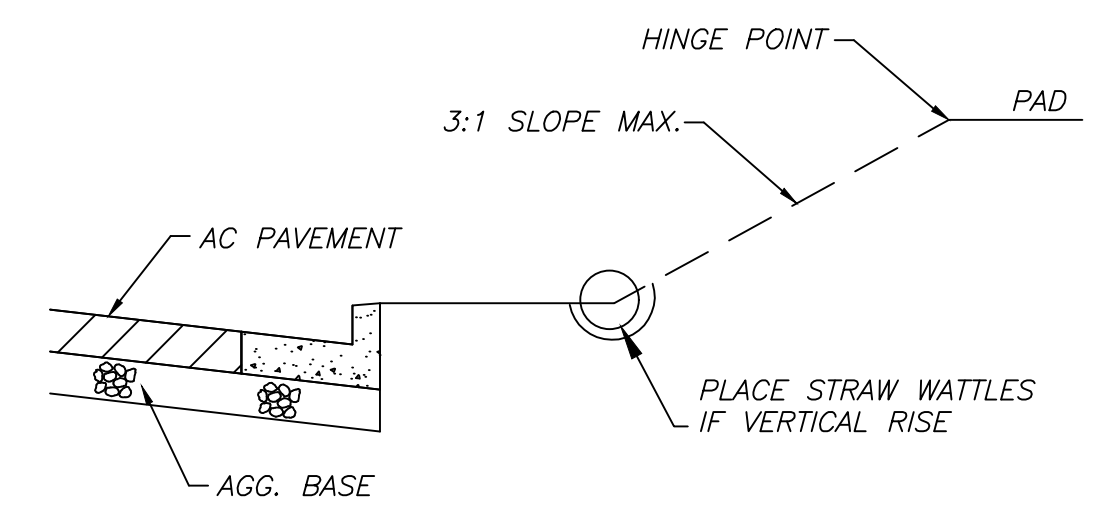


MAINTENANCE:
 THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT ANY MEASURES USED TO TRAP SEDIMENT.
 ALL SEDIMENT SPILLED,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

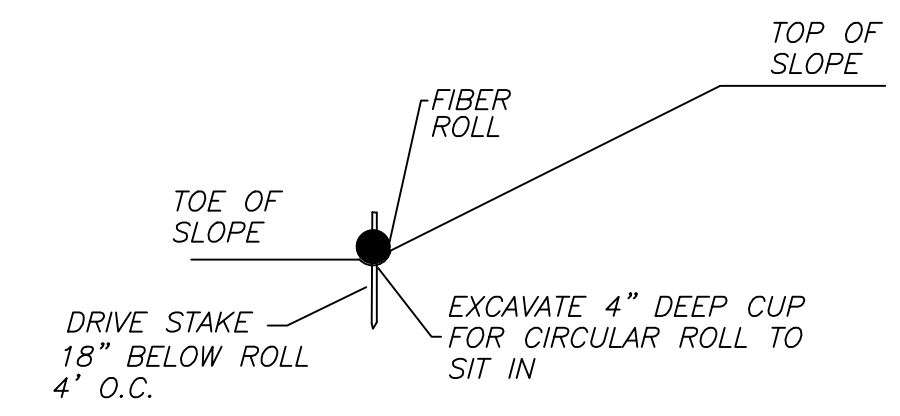
STABILIZED CONSTRUCTION ENTRANCE
 N.T.S.



CALIFORNIA MODIFIED SILT SACK
 REED & GRAHAM, INC. (OR EQUAL)
 BEFORE & AFTER STREETS ARE PAVED
 N.T.S.



FRONT YARD SLOPE DETAIL
 AFTER STREET ARE PAVED
 N.T.S.



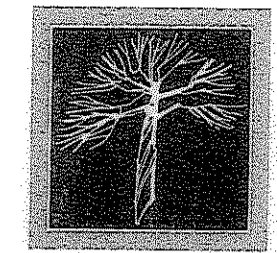
FIBER ROLL INSTALLATION DETAIL
 N.T.S.

NO.	REVISIONS	DATE	CITY	BY

Porfirio Oscar Osuna
 PORFIRIO OSCAR OSUNA
 RCE 70829 EXP. 6-30-21

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GRADING & DRAINAGE PLAN
EROSION CONTROL
2382 RAINBOW COURT
 HAYWARD, CALIFORNIA
 Project No.: 1937 | Design: J.O | Check: J.O | Date: 11/20/20



THOMAS SCHERER ASSOCIATES Landscape Architecture

P.O. Box 68, Aptos, CA 95001 Tel (831) 688-8913

Irrigation Legend:

Table with columns: SYMBOL, HEADTYPE, PSI, GPM, PR, MANUF, MODEL No. Includes Drip Emitter, Flood Bubbler, Remote Control Valve, Master Valve, Drip Zone Valve Kit, Quick Coupler Valve, Automatic Controller, ET Sensor, Flow Sensor, Backflow Prevention Unit, Sub Meter.

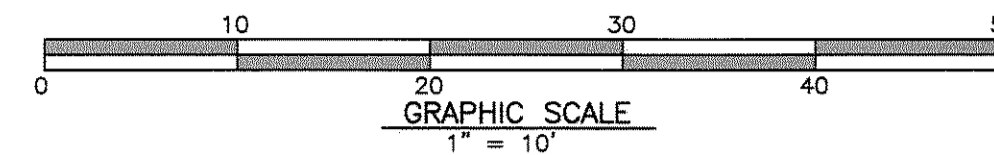
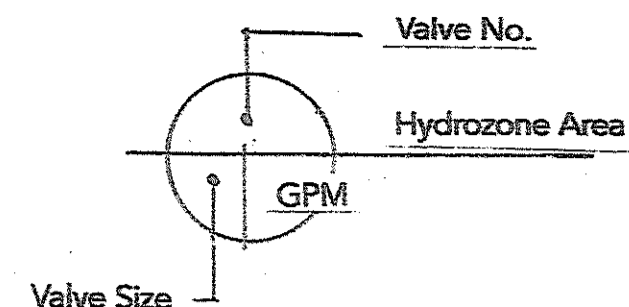
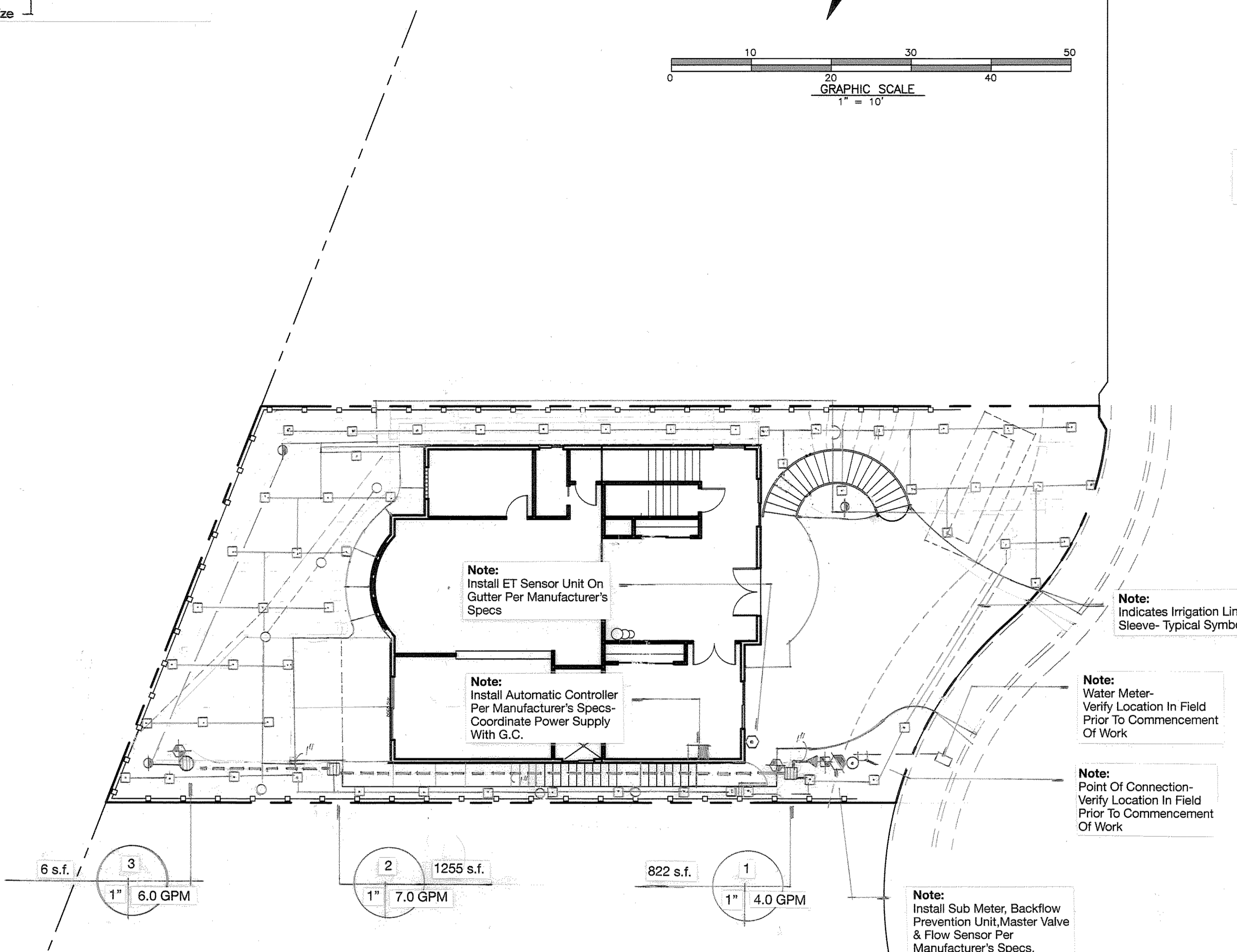


Table with columns: SYMBOL, HEADTYPE, PSI, GPM, PR, MANUF, MODEL No. Includes Flood Bubbler, Remote Control Valve, Master Valve, Drip Zone Valve Kit, Quick Coupler Valve, Automatic Controller, ET Sensor, Flow Sensor, Backflow Prevention Unit, Sub Meter, Mainline, Lateral Line, Irrigation Line Sleeve.

IRRIGATION NOTES:

- 1. System is designed for 65 PSI static pressure at meter. Maximum flow is 7.0 GPM. Contractor shall run pressure tests at each point of connection before commencing work.
2. All applicable governmental plumbing and health code regulations shall have precedence over these plans and specifications.
3. Location of valves, back flow prevention units, mainline, lateral line and automatic controllers are shown schematically due to scale of the plans.
4. Contractor shall verify all points of connection (POC) in the field prior to commencement of work.
5. All irrigation lines in and around existing trees shall be HAND TRENCHED and care shall be taken not to damage existing tree roots.
6. All irrigation lines under paving shall be placed in sch. 40 PVC sleeves, size to accommodate irrigation lines adequately, for the full width of the paving.
7. All changes in direction of irrigation pipe shall be accomplished with the use of proper fittings. NO PIPE SHALL BE BENT.
8. In no case shall the spacing of heads exceed the recommended spacing of the manufacturer.
9. Minimum depth of PVC lateral lines shall be 12" (twelve inches) below grade. Minimum depth of PVC main line shall be 18" (eighteen inches) below grade.
10. Prior to any planting operations, a coverage test shall be performed by the contractor in the presence of the landscape architect and owner.
11. Contractor shall be responsible for the procurement of all necessary permits and shall provide owner with an 'As Built' plan (reproducible) of the installed irrigation system upon completion of the project.
12. All installation shall comply with Chapter 10 Article 12 of the Bay Friendly Water Efficient Landscape Ordinance



"I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND HAVE APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN AND IRRIGATION DESIGN PLAN"

RAINBOW COURT

Maximum Applied Water Allowance Calculations for New and Rehabilitated Residential Landscapes. Includes input fields for City Name (San Jose), ET0, and results for Gallons, Cubic Feet, HCF, and Millions of Gallons.

Estimated Total Water Use. Equation: ETWU = ET0 x 0.62 x [(PF x HA)/IE] + SLA. Includes Tan Cells Show Results and Messages and Warnings.

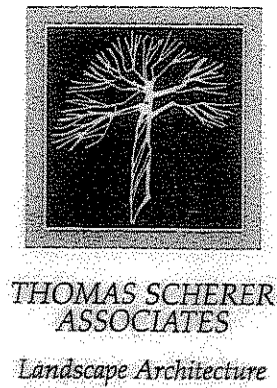
Irrigation Efficiency Default Value. Table with columns: Plant Water Use Type, Plant Factor, Hydrozone Area (HA) (ft²) Without SLA, Irrigation Efficiency (IE), and (PF x HA (ft²))/IE. Includes a detailed table for Hydrozone 1, 2, and 3.

ETWU calculation table showing results for Gallons, Cubic Feet, HCF, and Millions of Gallons. ETWU complies with MAWA.

Landscape Documentation Package For: Residence 2382 Rainbow Court Hayward, CA 94542. Applicant: Thomas Scherer Landscape Architect. Owner: Ravi Joondula. Project Type: New Potable City of Hayward, CA.

Vertical sidebar containing OSUNA ENGINEERING INC. logo, project title 'IRRIGATION PLAN LEGEND & NOTES 2382 RAINBOW COURT', sheet number 'SHEET L-1 OF SHEETS', and revision table.

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THOMAS SCHERER
ASSOCIATES
Landscape Architecture

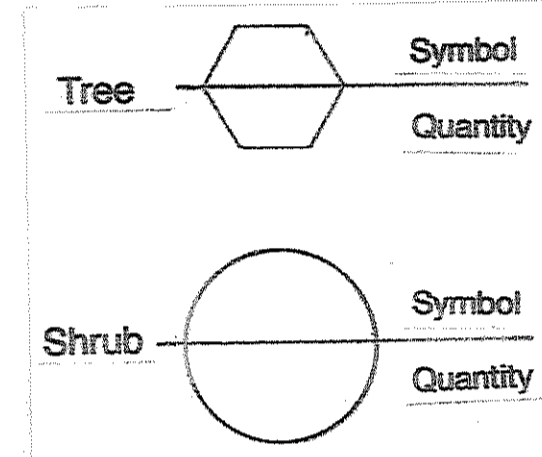
P.O. Box 68, Aptos, CA 95001
Tel (831) 688-8913

Planting Legend:

Symbol	Botanical Name	Common Name	Size	H2O Quan.	Comment
Trees:					
A	Hymenosporum flavum	Sweetshade	15 g.c.	M	1
B	Lagerstroemia h 'Tuscorora'	Crape Myrtle	15 g.c.	L	1
C	Arbutus 'Marina'	Strawberry Tree	15 g.c.	L	1
Shrubs:					
1	Agave 'Blue Flame'	Agave	5 g.c.	L	7
2	Salvia leucantha	Mexican Sage	5 g.c.	L	15
3	Xylosma c. 'Compacta'	Shiny Xylosma	5 g.c.	L	10
4	Escallonia fradesi	N.C.N.	5 g.c.	M	6
5	Osmanthus fragrans	Sweet Olive	5 g.c.	M	4

Groundcovers:

	Sedum rubrotinctum Pork & Beans Plant 1 g.c. @ 18" o.c. L		Cistus p. 'Sunset' Magenta Rockrose Plant 1 g.c. @ 48" o.c. L
	Cistus salvifolius 'Prostratus' Sageleaf Rockrose Plant 1 g.c. @ 48" o.c. L		Ceanothus g. 'Diamond Heights' Diamond Heights Carmel Creeper Plant 1 g.c. @ 48" o.c. L



% WATER USE PLANTS:

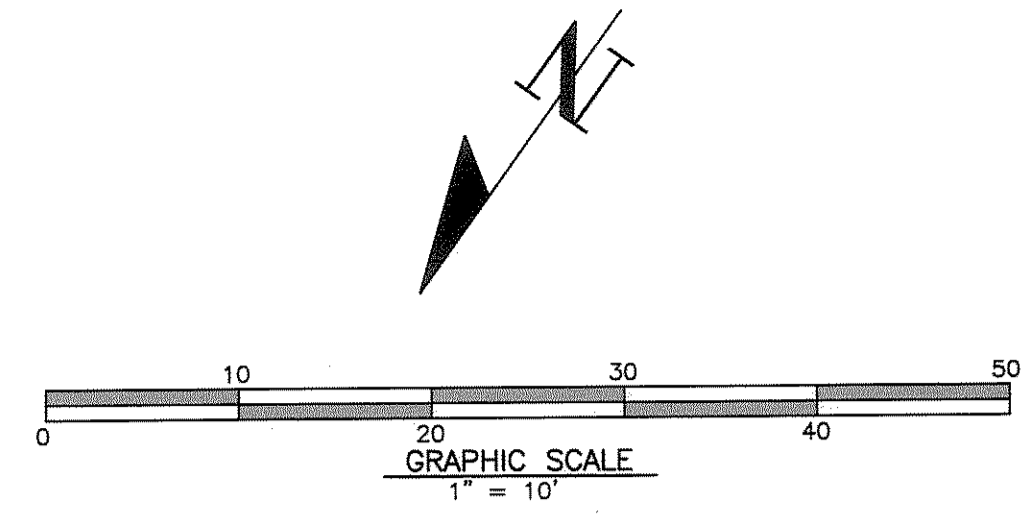
High Use:	0 %
Medium Use:	29%
Low Use:	71%

Total Landscape Area: 2,083 s.f.

Turf Area:	0 s.f.
Drought Tolerant Shrubs/Ground cover:	2,083 s.f.
Total:	2,083 s.f.

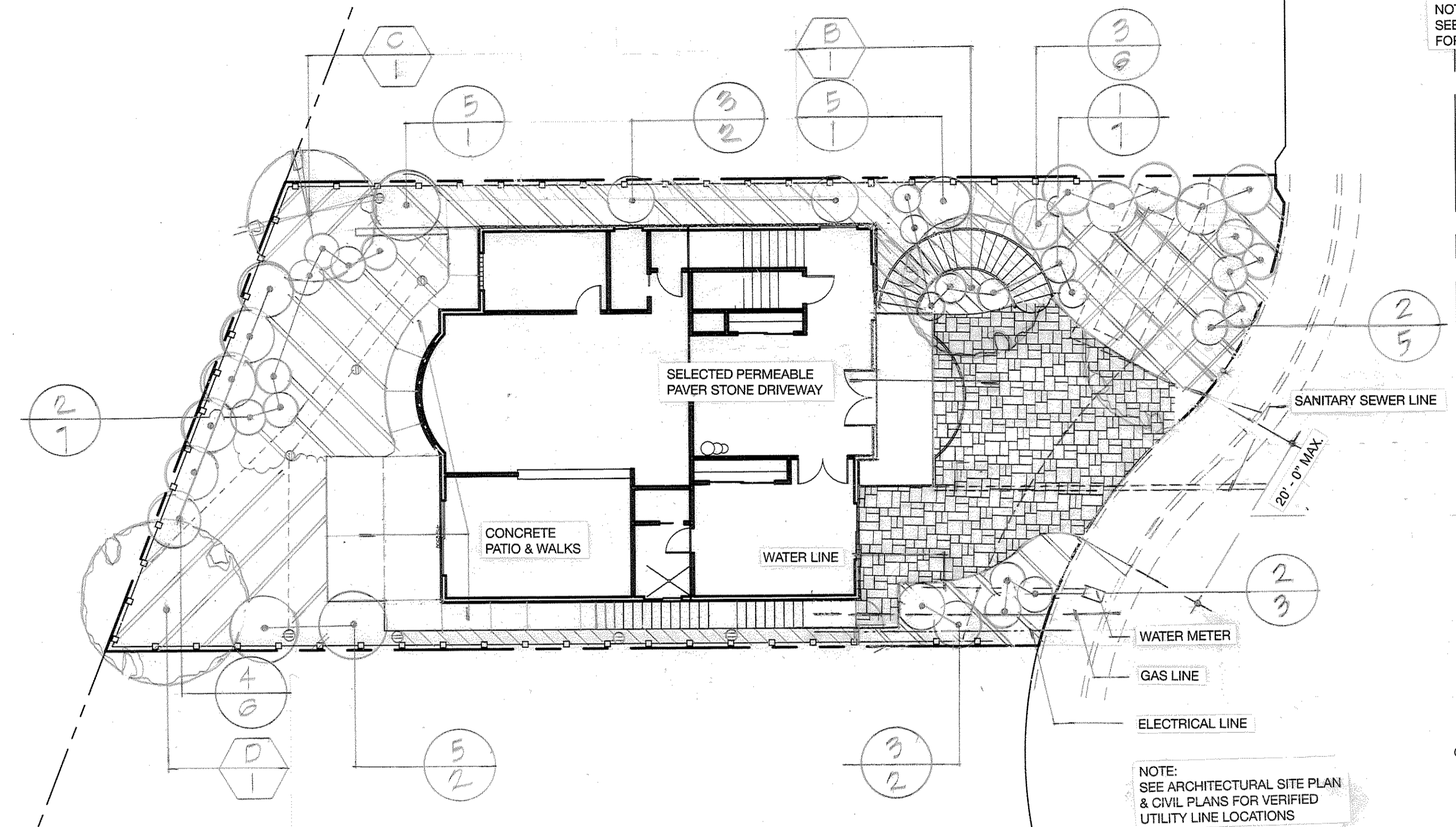
Water Use Key:

- VL Very Low
- L Low
- M Medium
- H High



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NOTE:
SEE CIVIL ENGINEER'S PLANS
FOR GRADING & DRAINAGE



SITE DATA:

Front Yard:	
Total Area:	1,468 s.f.
Proposed Paverstone Driveway:	646 s.f. (44%)
Rear Yard:	
Total Area:	1,649 s.f.
Proposed Walks & Patio:	386 s.f. (23%)

Planting Notes:

- Circles shown indicate approximate mature size of plant material.
- Contractor shall be responsible for adequate erosion control measures during construction.
- Care shall be taken to avoid construction activity and/or staging under the drip line of existing trees in order to prevent soil compaction, root or tree damage. All work to be done under the drip line of trees shall be done by hand.
- No plant shall be planted in a drainage swale regardless of position on plan.
- FINISH GRADING: Till all planter areas to an 6 inch depth. Break up or remove all compacted lumps of soil, rocks larger than 1 inch in diameter, and all deleterious material from planter areas. Finish grade all areas to a smooth, even surface free of abrupt changes in grade. Make minor grading changes as required to insure positive drainage (1% minimum).
- SOIL PREPARATION: Thoroughly incorporate the following amendments into the top 6 (six) inches of all areas to be planted, except where indicated otherwise. Amounts given are per 1000 square feet:
 - 4 cubic yards of nitrogen stabilized shavings.
 - 2 cubic yards of Nitrohumus or Gro-power.
 - 8 pounds of all purpose fertilizer (8-8-4).
- No plant shall be installed until a fully automatic drip irrigation system, covering all planter areas, is installed, tested and is fully operational.
- PLANTING OF TREES, SHRUBS & VINES: Unless otherwise noted, All Street Trees shall be planted per City of Hayward Detail SD-122. All trees shall be planted per detail 1. All shrubs shall be planted per detail 2. All planter pits shall receive the following back fill mix:
 - 60% soil of the site
 - 20% nitrogen stabilized redwood shavings
 - 20% Nitrohumus or Gro-power or equal
 - Acid loving plants shall receive peat moss
 - Fertilizer tablets (Agriform 21 gram: 20-10-5) or equal, applied per manufacturer's recommendations.
 - Add Coarse Pumice Or Perlite To 6" Depth For Succulents
- Contractor shall guarantee all small trees, shrubs, vines, ground covers and turf to live and grow in an acceptable condition for a period of 90 (ninety) days from the date of installation completion. Contractor shall also guarantee all trees and shrubs 24 box size and larger for a period of 1(one) year from the date of installation completion.
- Upon completion of planting operations, contractor shall apply an approved pre-emergent herbicide (Bonstar or equal) as weed control per manufacturer's specifications. In addition, a 3 inch layer of approved mulch shall be installed over the finish grade of all planter areas.
- MAINTENANCE PERIOD: Contractor shall maintain the site for a period of 90 calendar days after acceptance by owner. Maintenance shall include weekly mowing of turf areas; weeding of all turf and ground cover areas; removal of all trash and debris from planter areas and hardscape areas; pruning and trimming of all plant materials required; replacement of all dead or dying plant material & 2 applications of fertilizer.
- Contractor shall comply with all features of Chapter 10 Article 12 of the Bay Friendly Water Efficient Landscape Ordinance.

REVISIONS

NO.	DATE	CITY	BY

OSUNA ENGINEERING INC.
Planning | Surveying | Civil Engineering

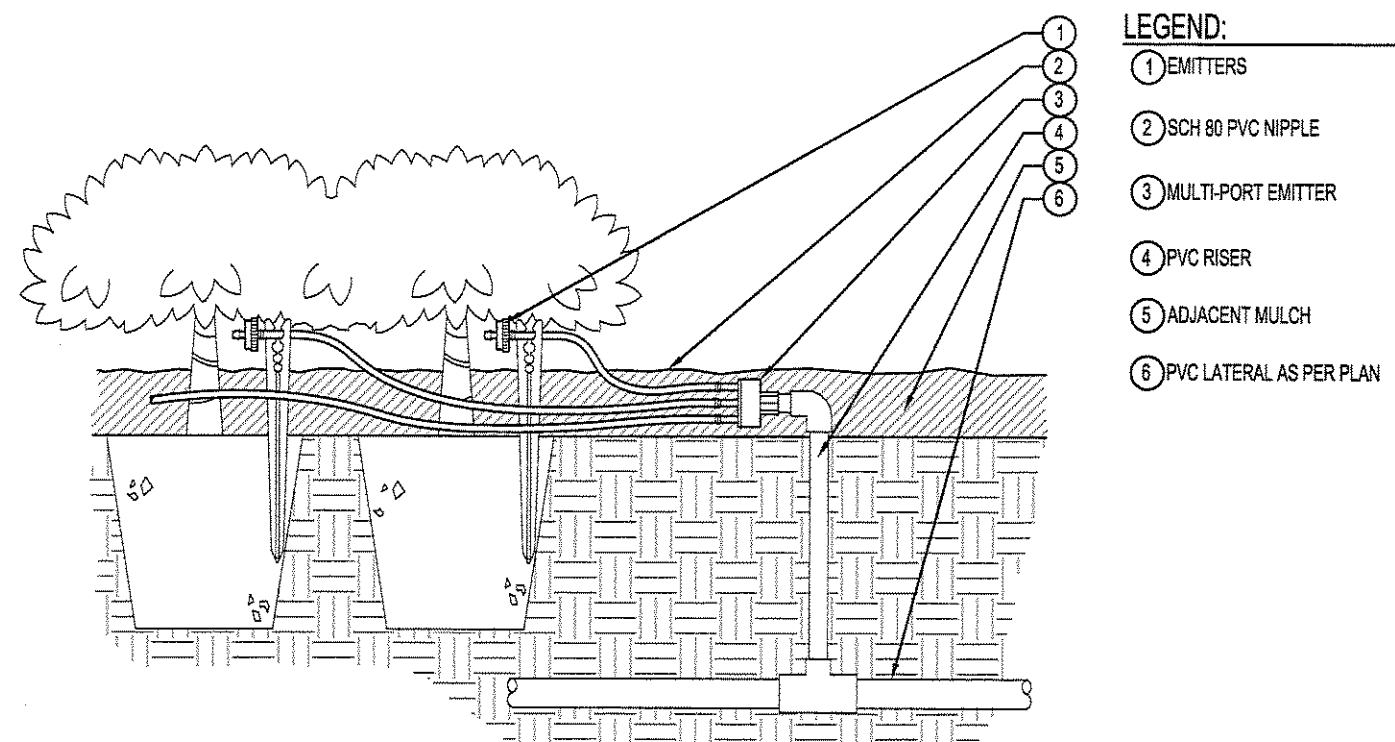
CONSULTING CIVIL ENGINEERS & LAND SURVEYORS
117 BERNAL RD., STE. 70-336
SAN JOSE, CA 95119
TEL: (408) 772-4381
Info@osunaengineering.com

PLANTING PLAN
LEGEND & NOTES:

2382 RAINBOW COURT

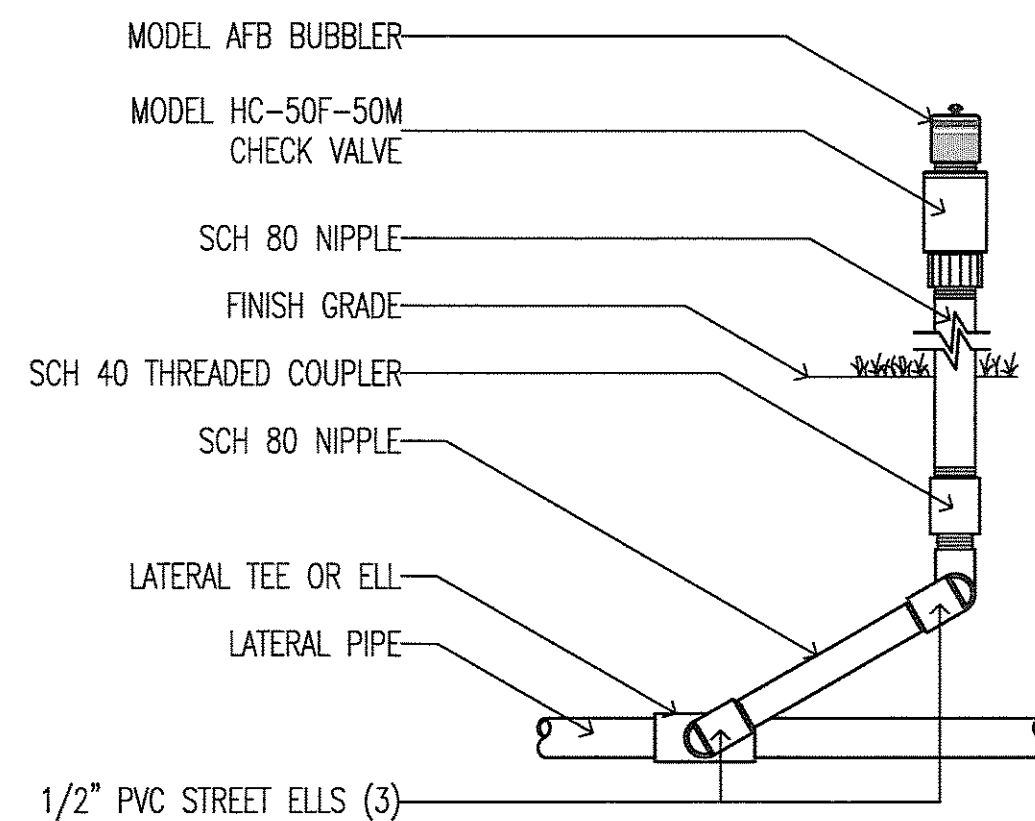
HAWAII, CALIFORNIA
Project No.: 1937 Design: T.S. Checked: O.O. Date: 6-1-2020

SHEET
L-2
OF SHEETS



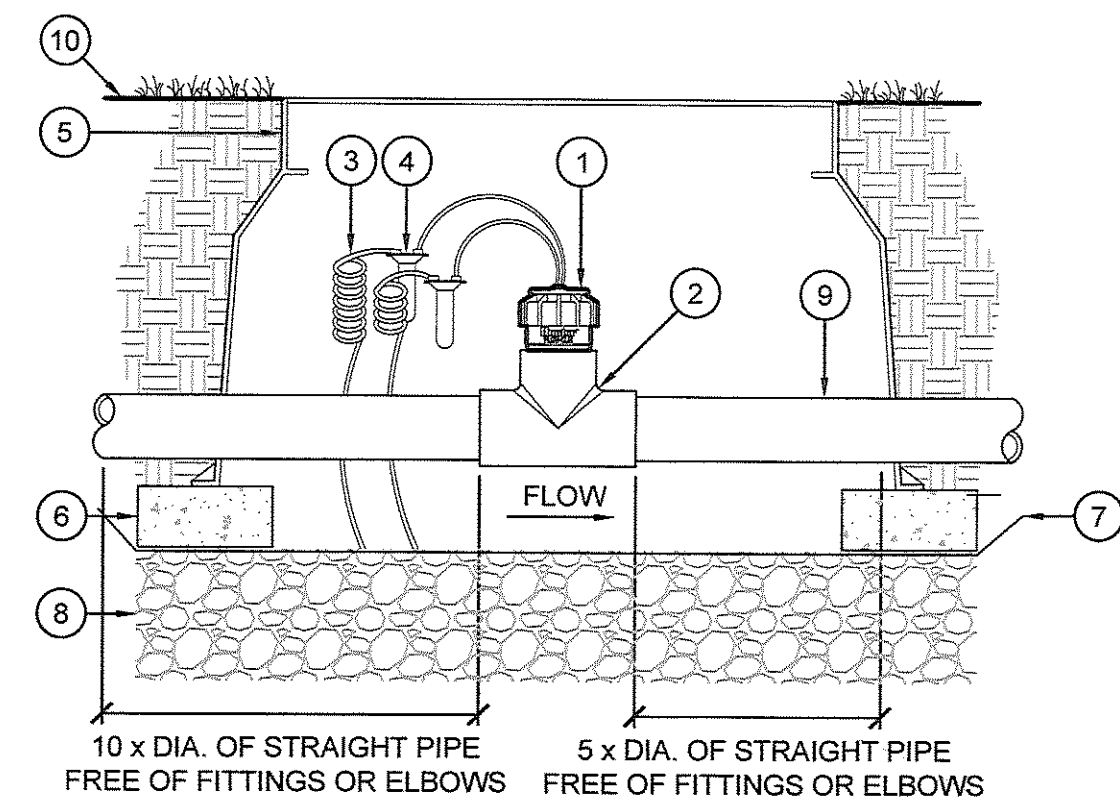
MULTI-PORT EMITTER - SIDE OFF PVC
H.M.MPM.02

NOT TO SCALE



AFB BUBBLER

NOT TO SCALE

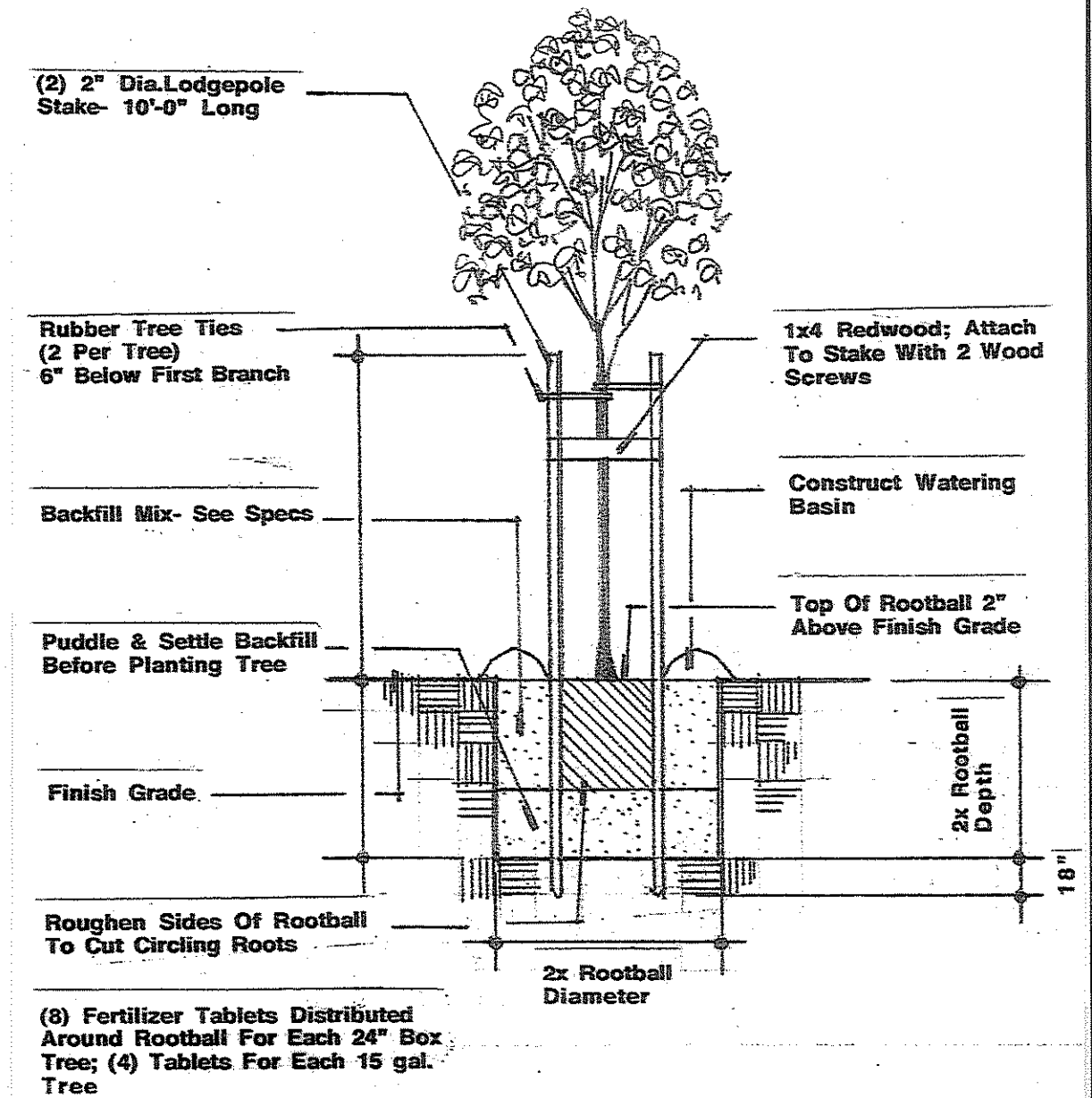


- DETAIL LEGEND:**
- 1 FLOW SENSOR PER PLAN (HFS)
 - 2 RECEPTACLE TEE (FCT), SIZE PER PLAN
 - 3 MIN. 18/2 WIRE PER PLAN TO CONTROLLER SENSOR TERMINALS. MAXIMUM WIRE DISTANCE RUN OF 1,000'
 - 4 DBRY-6 WIRE SPLICE
 - 5 RECTANGULAR VALVE BOX PER PLAN
 - 6 BRICK SUPPORTS AT EACH CORNER (4)
 - 7 FILTER FABRIC
 - 8 GRAVEL BASE, DEPTH PER PLAN
 - 9 MAIN LINE AND SOIL COVER PER PLAN
 - 10 FINISHED GRADE

HFS FLOW SENSOR

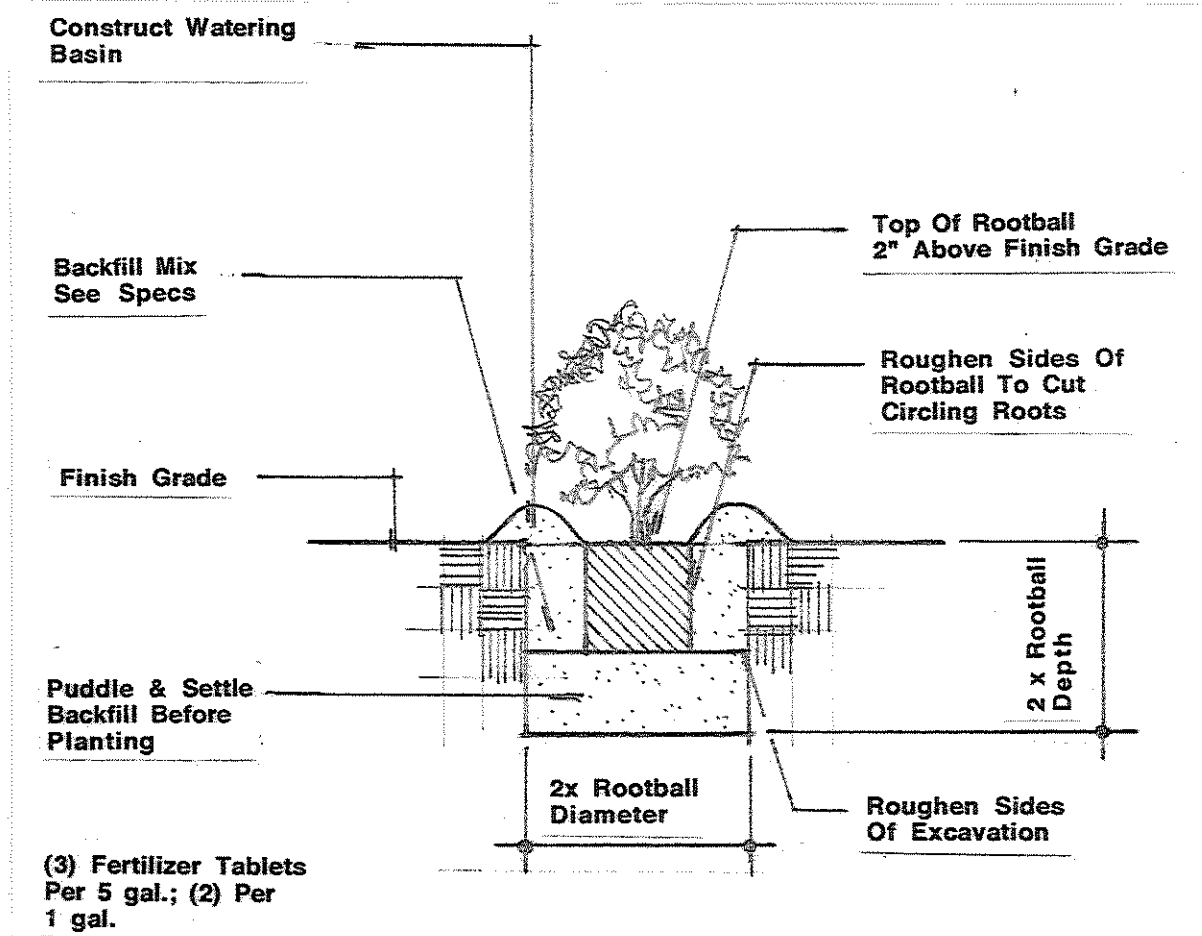
HUNTER SHFS.01

NOT TO SCALE



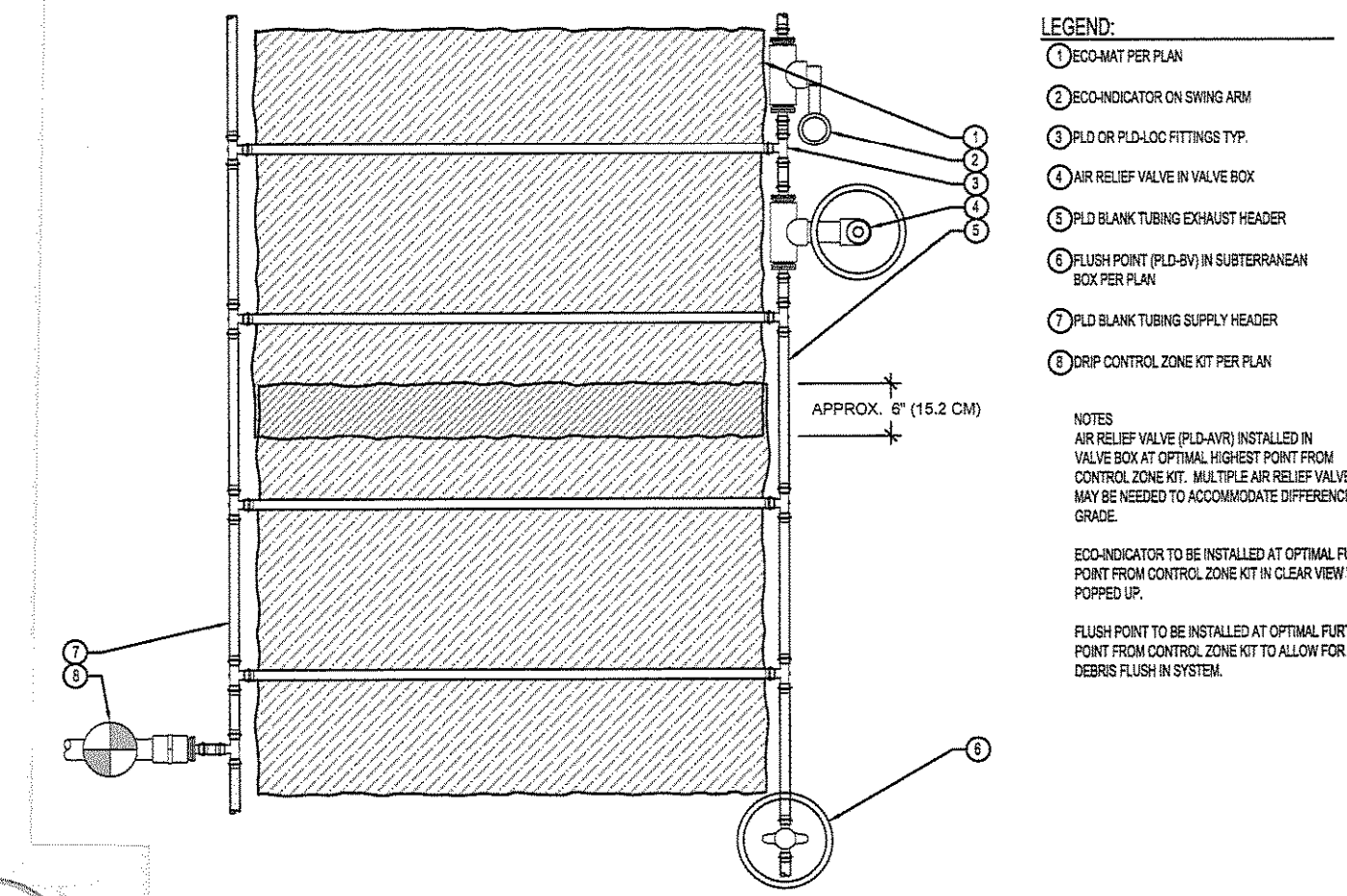
Tree Staking

1



Shrub Planting

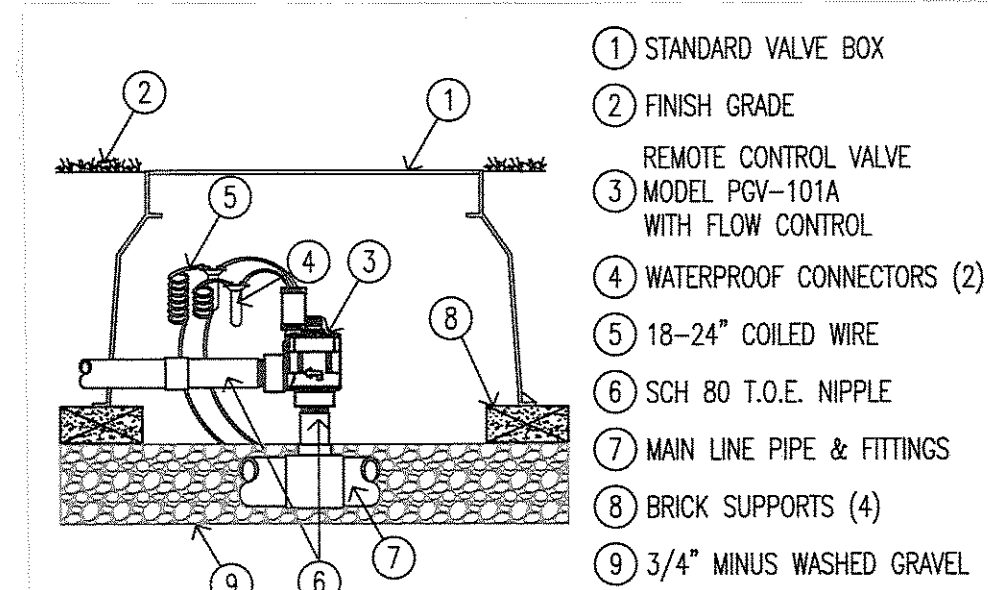
2



ECO-MAT - PLAN VIEW WITH BLANK PLD HEADER AND EXHAUST AT MAT GRADE

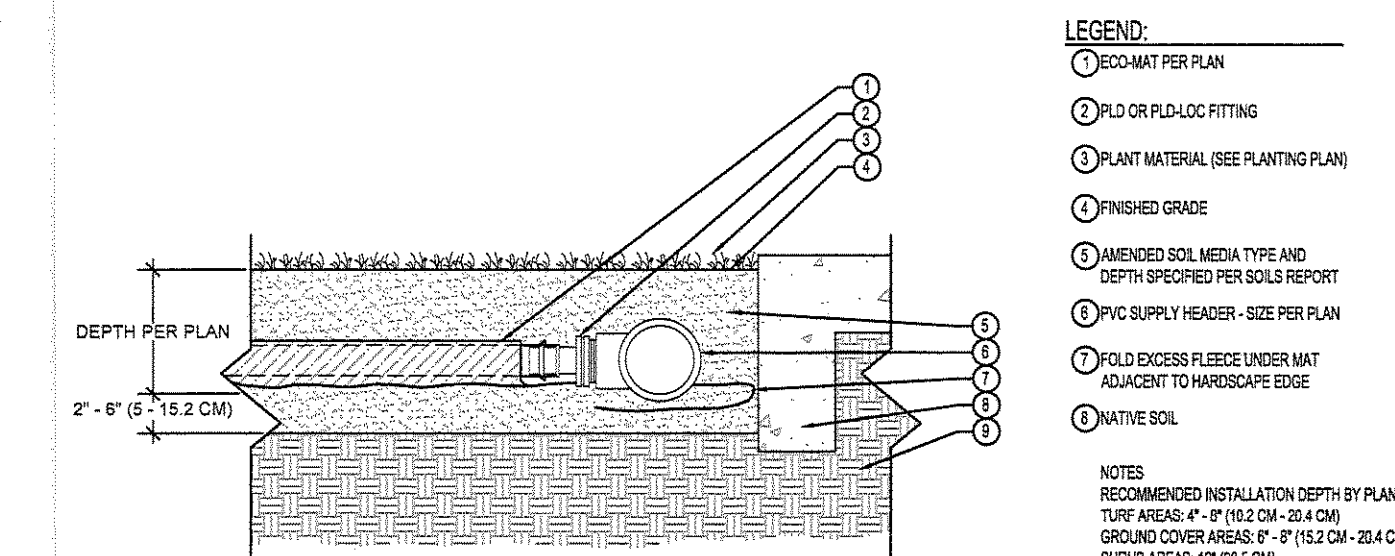
H.M.EM.03

NOT TO SCALE



PGV ANGLE VALVE

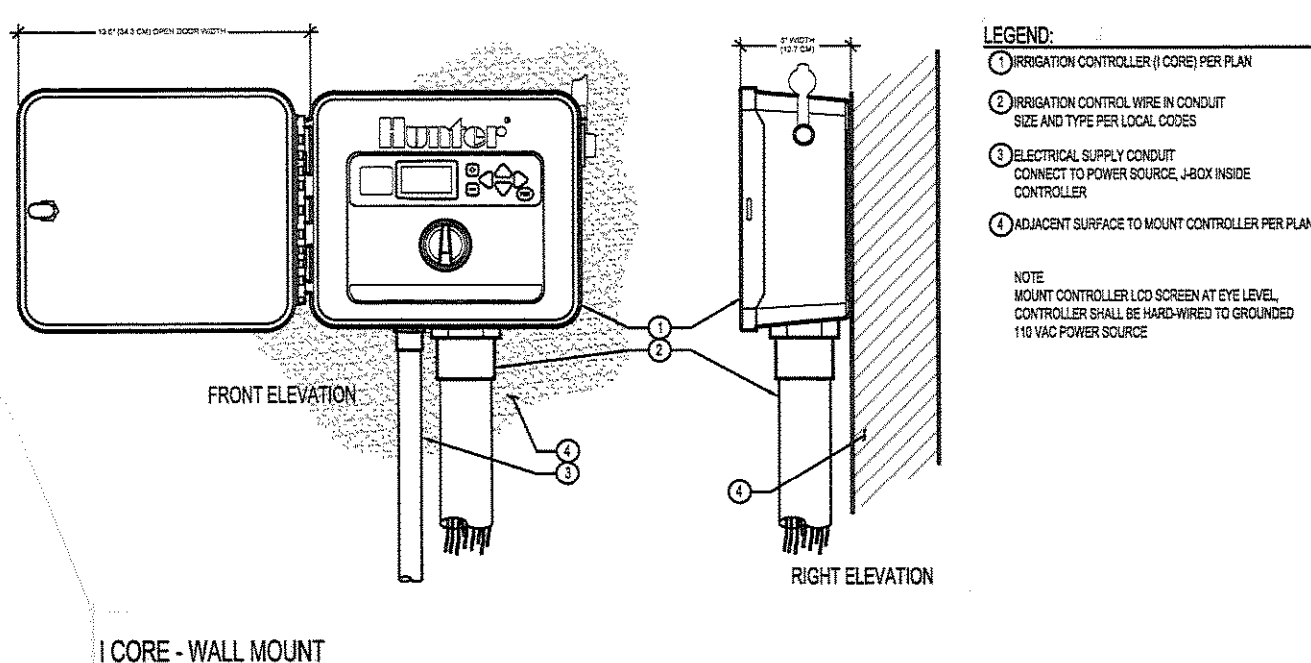
NOT TO SCALE



ECO-MAT - PVC AT MAT GRADE CONNECTION ADJACENT TO HARDSCAPE

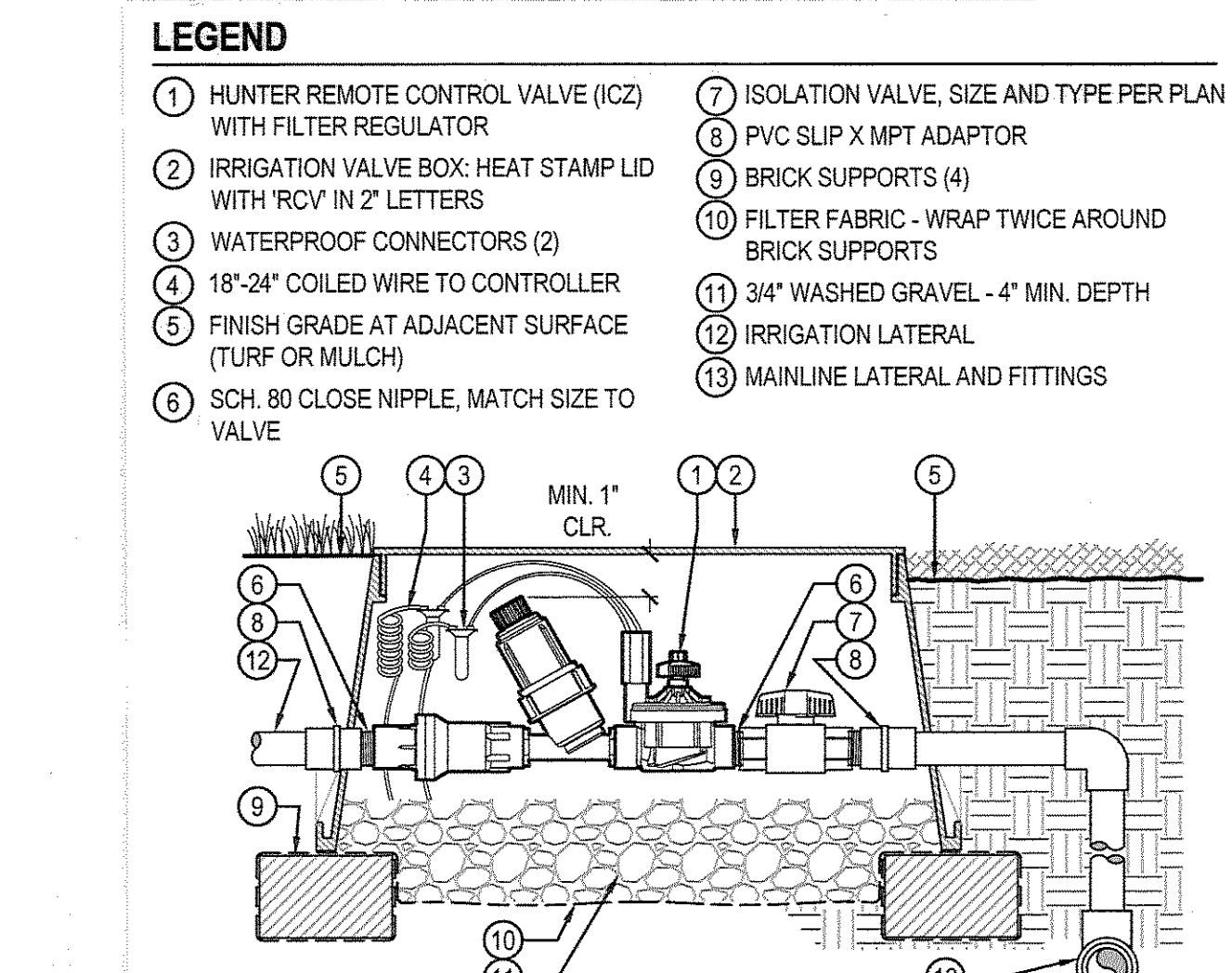
H.M.EM.09

NOT TO SCALE



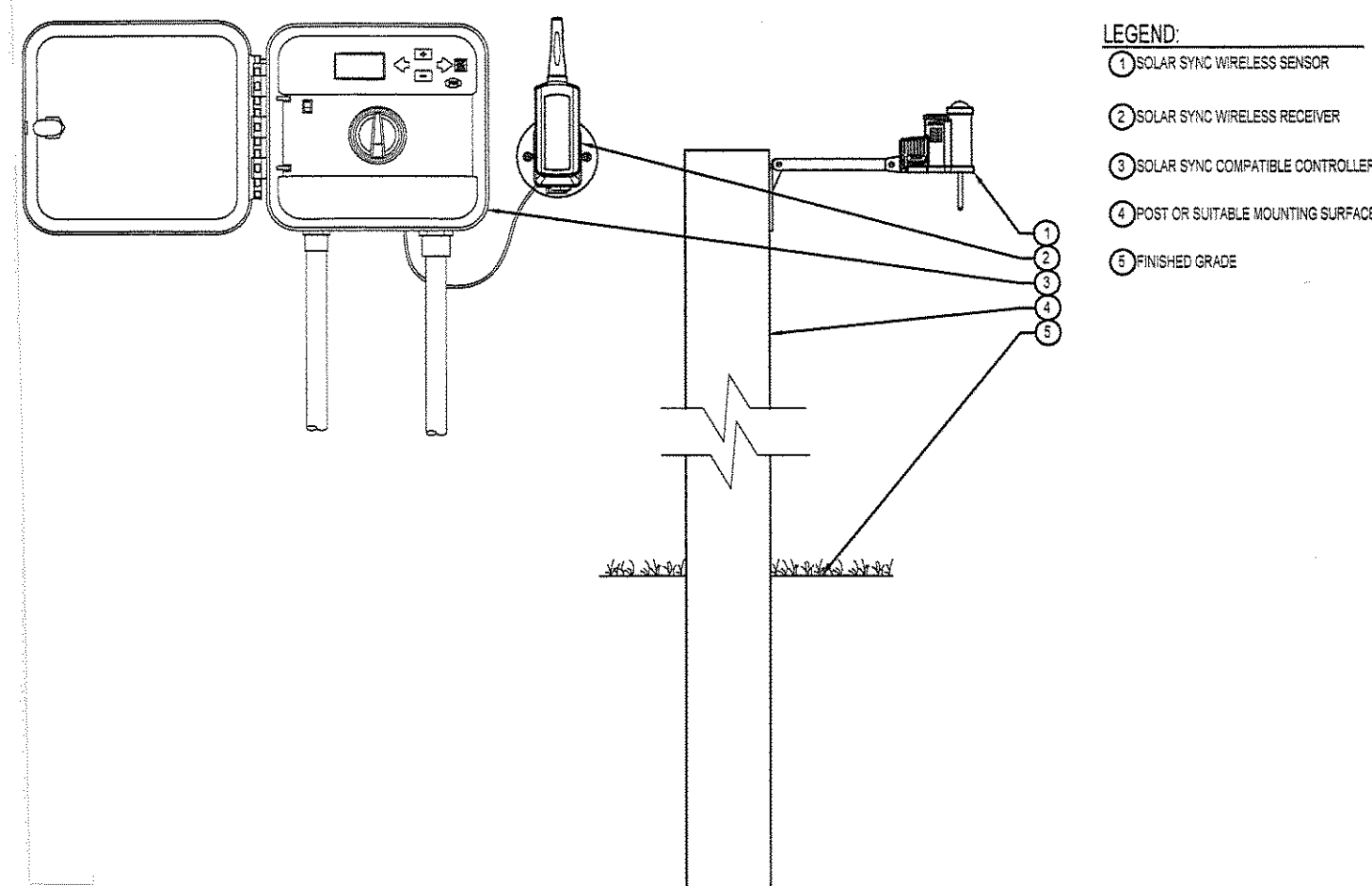
SOLAR SYNC WIRELESS WITH GENERIC WALL MOUNT CONTROLLER

NOT TO SCALE



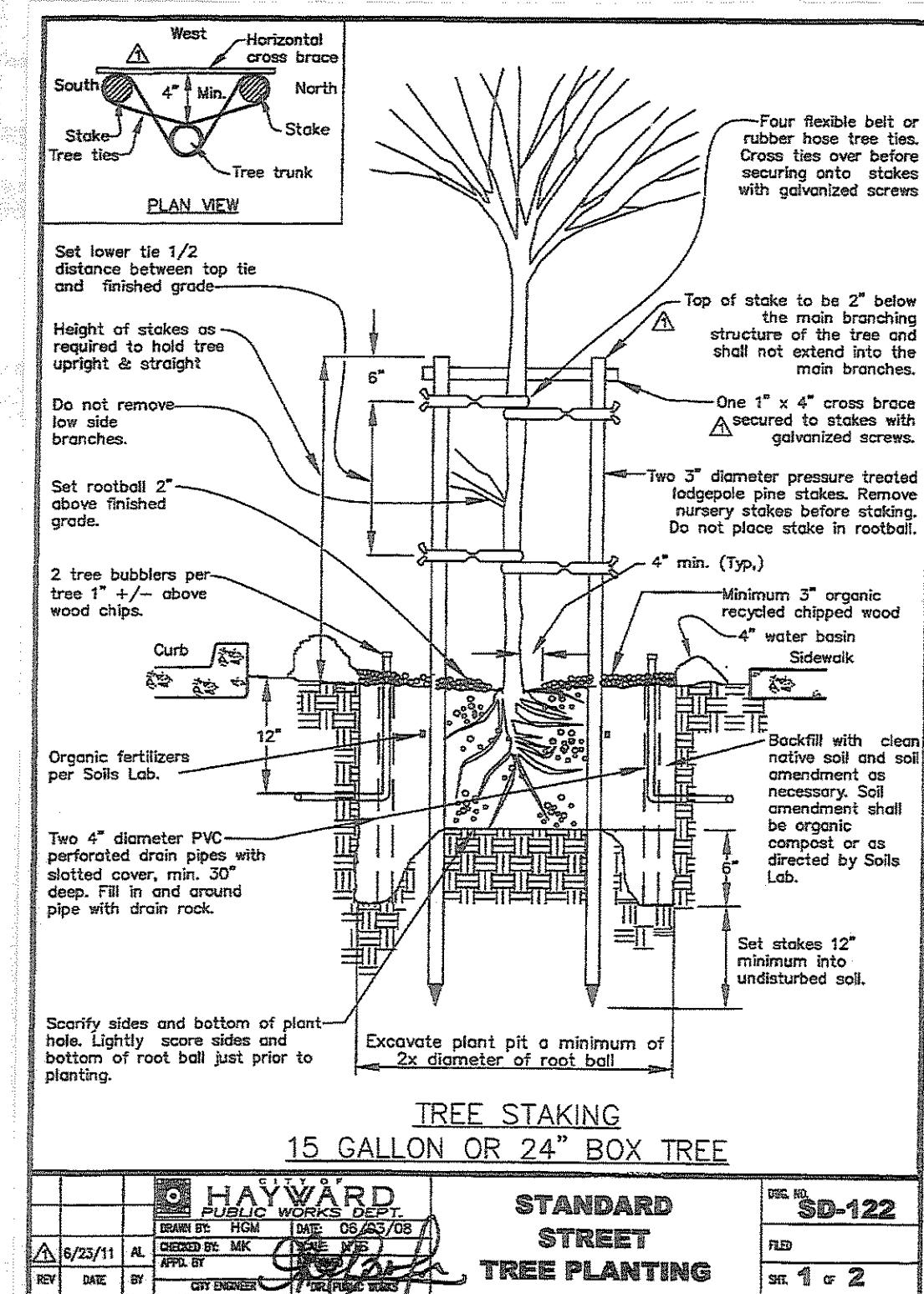
DRIP CONTROL ZONE KIT (ICZ-101) WITH ISOLATION VALVE

NOT TO SCALE



SOLAR SYNC WIRELESS WITH GENERIC WALL MOUNT CONTROLLER

NOT TO SCALE



TREE STAKING
15 GALLON OR 24" BOX TREE

HAYWARD STANDARD STREET TREE PLANTING		SD-122
DATE: 8/23/11	BY: [Signature]	REV: 1 OF 2

STREET TREE PLANTING SPECIFICATIONS:

1. Tree shall be healthy, disease and insect-free, well rooted, and properly trained with a straight trunk that can stand upright without support. Tree shall exhibit a central leader, or a main branch that can be trained as a central leader. Branches shall be well-developed and shall be evenly and radially distributed around the trunk. Root ball shall not exhibit knotted or circling roots.
2. Tree shall comply with federal and state laws requiring inspection for plant diseases and pest infestation. Clearance from the county agricultural commissioner, as required by law, shall be obtained before planting trees delivered from outside the county.
3. Prior to planting tree, determine the location of existing or future underground utilities. Locate tree a minimum of 5 feet from lateral service lines and a minimum of 30 feet from the face of a traffic signal, or as otherwise specified by the City.
4. Tree pit shall be tested for proper drainage prior to planting tree. Fill pit with water; if water remains after a 24-hour period, cuger three 4"-diameter by 3-foot deep holes at the bottom of the tree pit. Backfill with drain rock.
5. Set tree in an upright and plumb position. As much as possible, tree shall be positioned such that dominant branches are parallel to the roadway and are oriented away from potential conflicts.
6. If required by the City, a pressure-compensating bubbler, or drip emitters, shall be provided to each tree.
7. Depending on the planter strip width, or the tree well size and the tree species being planted, a 24" deep root-barrier may be required by the City to be placed between the root-ball and the curb and/or sidewalk. Length of strip barrier or size of the box barrier will be specified by the City.
8. Stakes are to be removed when the tree diameter meets or exceeds the diameter of the stake.

SD-122

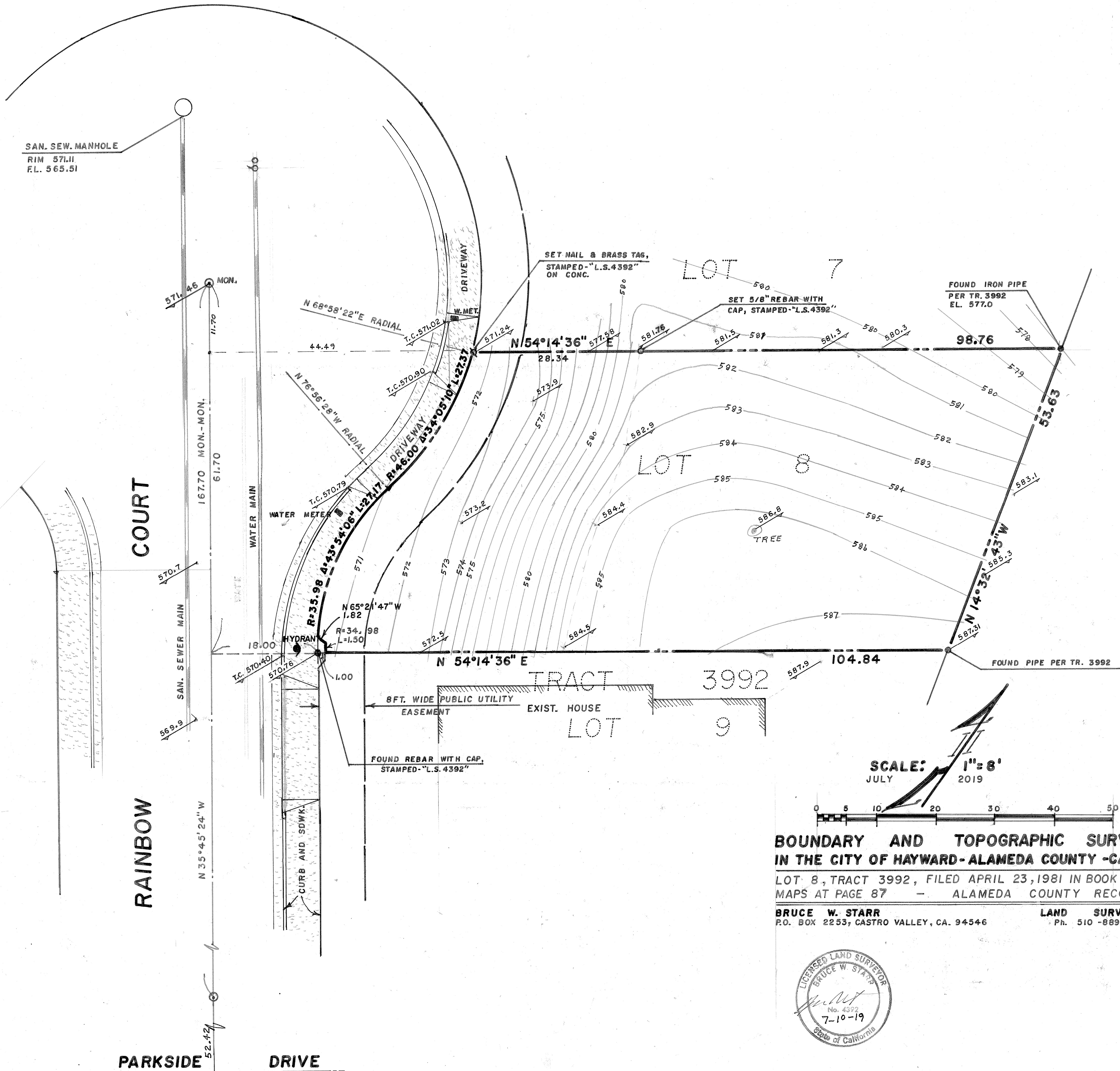
HAYWARD STANDARD STREET TREE PLANTING		SD-122
DATE: 8/23/11	BY: [Signature]	REV: 2 OF 2

THOMAS SCHERER ASSOCIATES
Landscape Architecture
P.O. Box 68, Aptos, CA 95001
Tel: (831) 688-8915

OSUNA ENGINEERING INC.
Planning / Surveying / Civil Engineering
CONSULTING CIVIL ENGINEERS & LAND SURVEYORS
117 BERNAL RD., STE. 70-336, SAN JOSE, CA 95119
TEL: (408) 772-4381
info@osunaeengineering.com

IRRIGATION & PLANTING DETAILS
2382 RAINBOW COURT
HAYWARD, CALIFORNIA 94541
Project No.: 1837
Check: O.G. | 6-1-2020

SHEET L-3 OF 10 SHEETS



SAN. SEW. MANHOLE
RIM 571.11
E.L. 565.51

SET NAIL & BRASS TAG,
STAMPED - "L.S. 4392"
ON CONC.

SET 5/8" REBAR WITH
CAP, STAMPED - "L.S. 4392"

FOUND IRON PIPE
PER TR. 3992
EL. 577.0

COURT

RAINBOW

PARKSIDE DRIVE

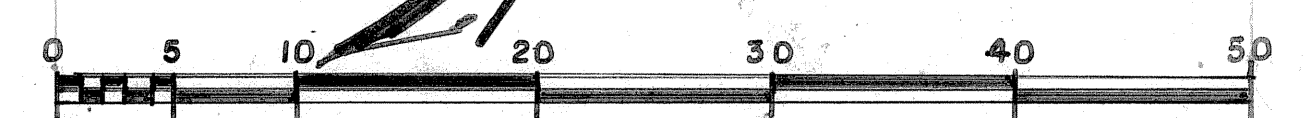
LOT 7

LOT 8

TRACT 3992

EXIST. HOUSE LOT 9

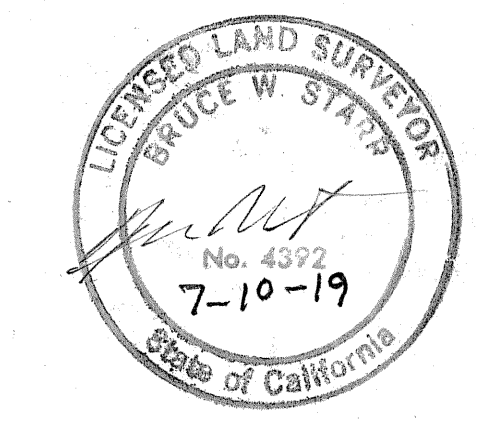
SCALE: 1" = 8'
JULY 2019



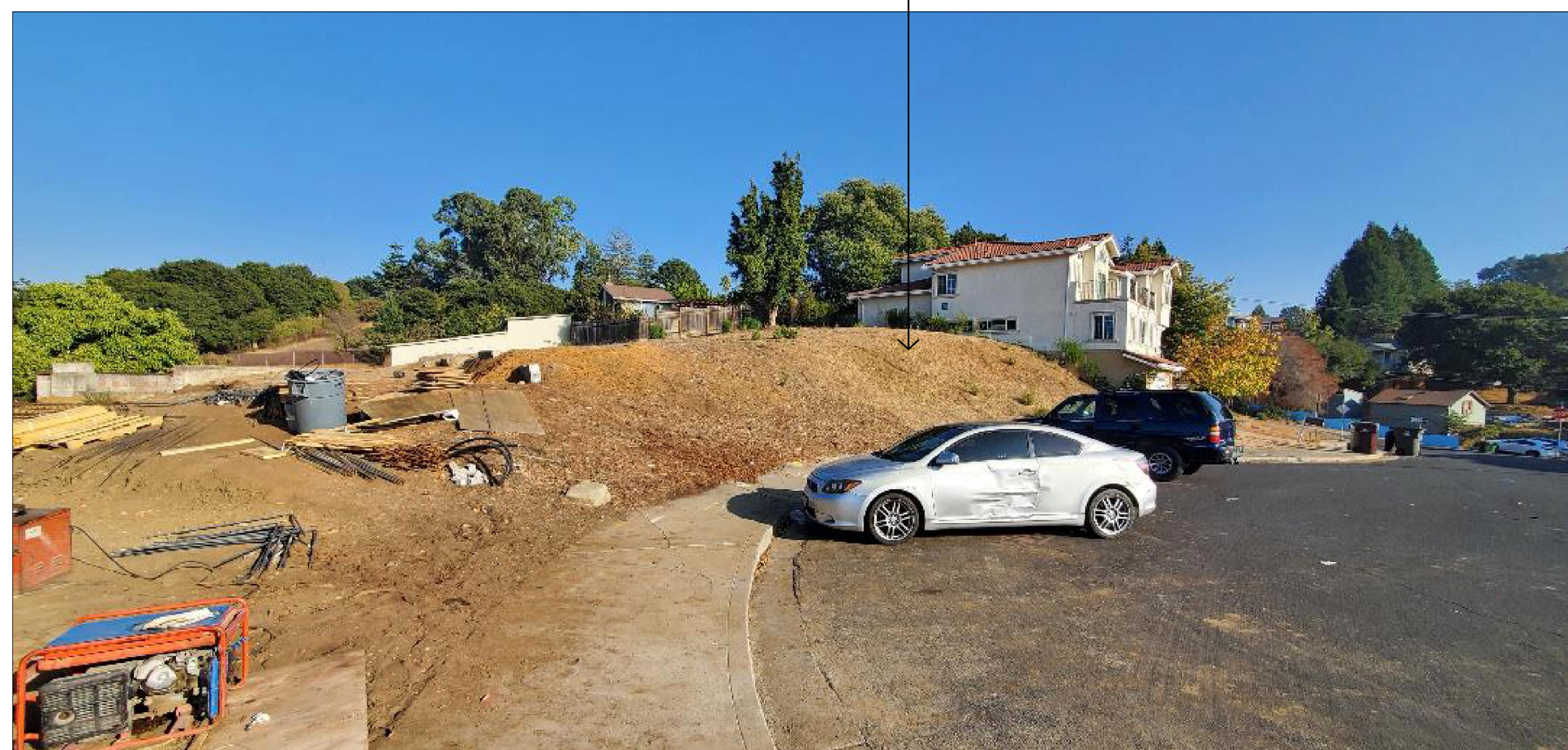
**BOUNDARY AND TOPOGRAPHIC SURVEY
IN THE CITY OF HAYWARD-ALAMEDA COUNTY -CALIF.**

LOT 8, TRACT 3992, FILED APRIL 23, 1981 IN BOOK 26 OF
MAPS AT PAGE 87 - ALAMEDA COUNTY RECORDS

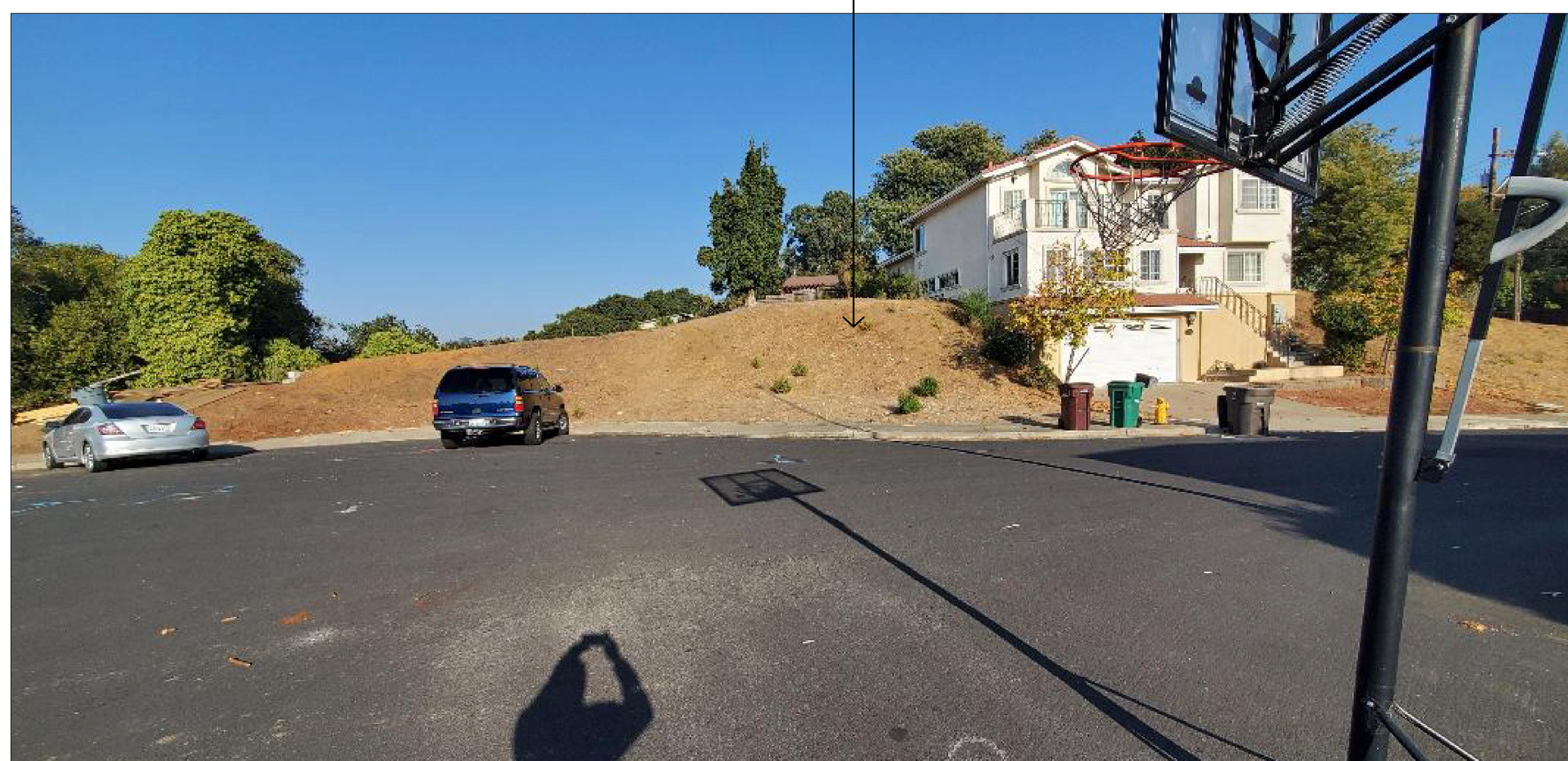
BRUCE W. STARR LAND SURVEYOR
P.O. BOX 2253, CASTRO VALLEY, CA. 94546 Ph. 510-889-8385



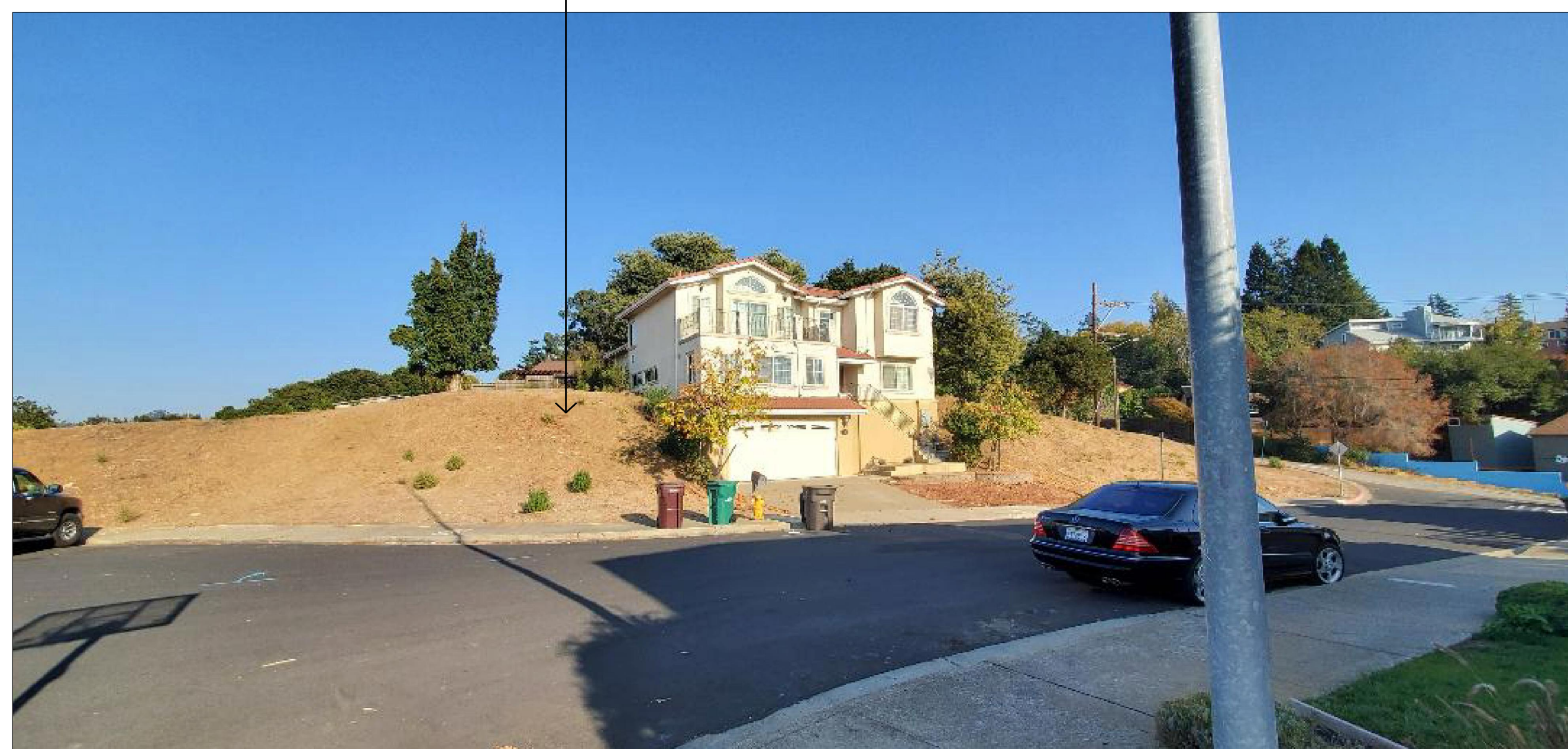
SUBJECT LOT



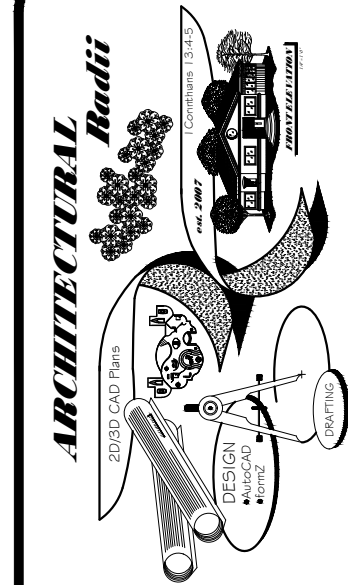
SUBJECT LOT



SUBJECT LOT



VIEW OF THE BAY



H&M Ventures LLC
2362 Rainbow Ct.
Hayward, CA 94542
(408) 373-3365

No.	Revision/Issue	Date
-----	----------------	------

Designed/Drafted by
MARTIN CHRISTENSEN
33418 4th St.
UNION CITY, CA 94587
(510) 334-1959
architecturalradii@yahoo.com

Scope of Work

See Sheet A1
PROJECT
INFORMATION...

Project	19K	Sheet
Date	19.7.1	V1
Scale	AS NOTED	