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Marking & Englishman Colon & Co.

# FUEL DEP

SHEET INDEX

### **ABBREVIATIONS** FIN FL FLIG FLIR FDC FINISH FLOW LEVEL FLASHING FLOOR FILD NAUING FACE OF FACE OF FACE OF FINISH FACE OF HASONRY FACE OF PLYWOOD FACE OF STUD FOOT OR FEET GAUCE GALVANIZED GYPSUM HOSE BIBB HORSE POWER HOUR HEATER HEATING VENTILATION/AIR CONDITIONING HOT WATER (RETURN) INVEST LAMINATE LAMINATE LAMINATE LAMINATE LAMINATE LAMINATE LAMINATE LAMINATE MACHINE BOLT MECHANICAL MEMBRANE MACHINE MINIBLAT MINI PENNY POUND ANCHOR BOLT ASPHALTIC CONCRETE ARK CONDITION ALIMINUM ANODIZED BOARD BUILDING BLOCKING BUILDING BLOCKING BUILDING BLOCKING BOUNDARY NAULING BOTTOM CAST IRON CEILING CLER CONCRETE MASONEY UNIT CLEN OUT CONTINUOUS COUNTRISINK DOUGLAS FIR BUMAETER DOWNSPOUT DRAWING EAST A/C ALUM ANOD BD BLDG BLK'G BN FOF FOM FOP FOS FT GA GALV GYP HB HP HR HTR HTR SF SHTG SIM SPEC SQ SSTL STD STL TC BOT CB CI CLG CLR CMU STEEL TOP OF CURB OR TOP OF CONCRETE TOP OF CATCH BASIN TONGUE AND GROOVE TOP OF PAVING TOP OF WALL TYPICAL UNILESS NOTED OTHERWISE T&G TP TW TYP UNO EAST EXISTING EXPANSION JOINT LEVATION EDGE NAIL EQUIA EQUIA EQUIPMENT FORCED AIR UNIT FURNISHED BY OWNER OR OTHERS, TO BE INSTALLED BY CONITRACTOR FLOOR DRAIN FIRE EXTINGUISHER EXTINGUISHER EXTINGUISHER UNIESS NOTED OTHERWISE VINYL COMPOSITION TILE VERTICAL VERTICAL VERTICAL GRAIN DOUGLAS FIR VENT THROUGH ROOF VCT VTR ROOF WEST WATER CLOSET WATERHEATER WATERPROOF WOOD SCREW WELDED WIRE FABRIC WITH WITHOUT W WC WH WP WS WWF OPNG (P) PL (& CABINET) FINISH FLOOR FINISHED GRADE FLAT HEAD

	CALIFORNIA GREEN CODE	2013 EDITION
C	ENERAL NOTES	
1.	ALL CONSTRUCTION SHALL CONFORM MECHANICAL AND PLUMBING CODES ORDINANCES AND REGULATIONS.	M TO ALL CURRENT BUILDING, ELECTRICAL, S AND ALL OTHER STATE, COUNTY AND CITY
2.	THE CONTRACTOR SHALL INVESTIGAT	
3.		CHITECT ABOUT ANY CONDITIONS REQUIRING
4.	REFER TO STRUCTURAL, MECHANICAL OTHER GENERAL REQUIREMENTS AND DRAWINGS.	, PLUMBING AND ELECTRICAL DRAWINGS FOR D COORDINATE WITH THE ARCHITECTURAL
5.	ALL CONSTRUCTION TO PROVIDE A N CONTRACTOR SHALL FLASH AND CAI REQUIREMENT.	WATERPROOF, WEATHER TIGHT BUILDING. JUK AS NECESSARY TO ACHIEVE THIS
Α	APPROVAL NOTES:	
FIF	RE SPRINKLERS TO BE APPROVED AND IN	STALLED UNDER SEPARATE PERMIT.
S	PECIAL INSPECTION	S

THE OWNER OR GENERAL CONTRACTOR SHALL EMPLOY A SPECIAL INSPECTOR TO PROVIDE INSPECTIONS ACCORDING TO UBC SECTION 1701, FOR THE FOLLOWING TYPES

OF MOTION:

1. ANY REPROFET REINFORCING BARS OR HOLDOWN BOLTS INTO EXISTING SLABS OR FOOTINGS REQUIRING AN EPORY GROUTED CONNECTION.

2. FIELD WELDING FOR STRUCTURAL STEEL CONNECTIONS.

3. STRUCTURAL MASONRY

2013 EDITION

2013 EDITION 2013 EDITION

2013 EDITION

**GOVERNING CODES** 

CALIFORNIA BUILDING CODE

CALIFORNIA FLECTRICAL CODE

CALIFORNIA ENERGY CODE

CALIFORNIA PLUMBING CODE
CALIFORNIA MECHANICAL CODE

CONSULTANTS	
STRUCTURAL ENGINEER:	
ENERGY CONSULTANT:	
SURVEYOR:	CARDENAS & ASSOCIATES, SURVEYING 201 N. CALLE CESAR CHAVEZ, #100 SANTA BARBARA, CA 93103 (805) 966-3713 jcardenas@casurveying.com
CTVIL ENGINEER:	FLOWERS & ASSOCIATES, INC. 201 N. CALLE CESAR CHAVEZ, #100 SANTA BARBARA, CA 93103

TRAFFIC STUDY:

AGENT:

LANDSCAPE ARCHITECT:

(805) 966-2224

(805) 687-4418

(805) 962-5260

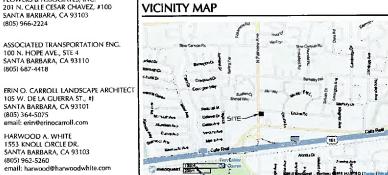
ASSOCIATED TRANSPORTATION ENG.

100 N. HOPE AVE., STE 4 SANTA BARBARA, CA 93110

SANTA BARBARA, CA 93101 (805) 364-5075

HARWOOD A. WHITE 1553 KNOLL CIRCLE DR. SANTA BARBARA, CA 93103

email: harwood@harwoodwhite.com



	The state of the s
G-0	COVERSHEET
	ACCESSIBILITY NOTES
	ACCESSIBILITY DETAILS
A.1	SITE PLAN
A.1.1	ENLARGED SITE PLAN
A.2	
A3 A4	PROPOSED FLOOR PLAN, ROOF PLAN & ELEVATIONS TRASH ENCLOSURE PLAN & ELEVATIONS
D.1	ARCHITECTURAL DETAILS
D.1 D.2	ARCHITECTURAL DETAILS
0.2	ARUTHIECTORAL DETAILS
11-1	IRRIGATION PLAN
11-2	IRRIGATION DETAILS
LI-3	IRRIGATION SPECIFICATIONS
LP-1	PLANTING PLAN
LP-2	PLANTING DETAILS AND SPECIFICATIONS
1.P-3	PLANTING AND MAINTENANCE SPECIFICATIONS
C-1	CIVIL ENGINEER STORM WATER MANAGEMENT & CURB IMPROVEMENTS
-	SURVEY
17	TOTAL
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8 SPACES (FUEL PUMP POSITION SPACES (FUEL PUMP POSITION SPACES (FUEL PUMP POSITION SPACES STORE)  12 SPACES (FUEL PUMP POSITION SPACES STORE)  12 SPACES (FUEL PUMP POSITION SPACES SPACES STORE)  12 SPACES (FUEL PUMP POSITION SPACES S	6 SF 7 SF 28 SF
VENIENCE STORE:  DNVENIENCE STORE (NET SAME):  FOOTAGE ADDED TO (E) SERV. STATION:  77  12  EBUILD:  RIGINAL FOOTPRINT:  D TO ORIGINAL FOOTPRINT:  (23	र्रे डॉर 18 SF
VENIENCE STORE:  DNVENIENCE STORE (NET SAME):  FOOTAGE ADDED TO (E) SERV. STATION:  77  12  EBUILD:  RIGINAL FOOTPRINT:  D TO ORIGINAL FOOTPRINT:  (23	र्रे डॉर 18 SF
ONVENIENCE STORE (NET SAME): 2.39 FOOTAGE ADDED TO (E) SERV. STATION: 77  12 E-BUILD: RIGINAL FOOTPRINT: 1.75 D TO ORIGINAL FOOTPRINT: (73	र्रे डॉर 18 SF
FOOTAGE ADDED TO (6) SERV. STATION: 77  12  EBUILD: RIGINAL FOOTPRINT: 1,25 D TO ORIGINAL FOOTPRINT: (2)	र्रे डॉर 18 SF
12 E-BUILD: RIGINAL FOOTPRINT: 1,75 D TO ORIGINAL FOOTPRINT: 23	:8 SF
E-BUILD: RIGINAL FOOTPRINT: 1,75 D TO ORIGINAL FOOTPRINT: 73	
RIGINAL FOOTPRINT: 1,75 D TO ORIGINAL FOOTPRINT: (23	
D TO ORIGINAL FOOTPRINT: 73	
	7.SF /2
	2 SF)
PERSON CONTRACTOR	8 SF
E OF RE-BUILD: 2,61	7 SF
70.401.51C.001.05	21%
, , , , , , , , , , , , , , , , , , , ,	14%
· ·	50%
24 1/2	15%
	00%
2 207 / 200 12 50	ACTE
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• • • • • • • • • • • • • • • • • • • •	
	PACE
JRK <u>/1\</u>	
	1,700 SF 6,192 SF 1,942 SF 12,450 SF 1 2,396 / 200 = 12 SP 8 SPACES (FUEL PUMP POSITION 2 SPACES OF 2 EMPLOYEE SPACES OF SITE (WITHIN 50

PROJECT DATA

EXISTING SERVICE STATION:

BLDG COVERAGE OF THIS LOT:

EXISTING DEVELOPMENT

EXISTING BUILDING COVERAGE

SERVICE STATION: EXISTING FOOTAGE

EXISTING LOT COVERAGE:

HARDSCAPE (LESS CANOPY):

SERVICE STATION: FUEL CANOPY:

WNER:

PROJECT ADDRESS:

OCCUPANCY HIGH FIRE:

SPRINKLERED AVG. SITE SLOPE: EXISTING BUILDING COVERAGE:

EXISTING PARKING:

FAIRVIEW AUTO LUBE, LP 1550 LA VISTA RD. SANTA BARBARA, CA 93110 (805) 564-7144

180 NORTH FAIRVIEW AVE GOLETA, CA 069-110-054

BACKGROUND:

PARKING WAS APPROVED WITH ORIGINAL DEVELOPMENT PLAN 66-M-75. THIS

ORIGINAL DEVELOPMENT PLAN IN 1966 INCLUDED THE SERVICE STATION ON PARCEL
669-110-054 AS WELL AS THE FAILVIEW SHOPPING CENTER ON PARCEL 669-110-055. THE
DEVELOPMENT PLAN APPROVED 45 PARKING SPACES AT A RATIO OF 1 SPACE PER 20.8.

SF OF COMMERCIAL AREA. PART OF PARCEL 669-110-055 IS ZONED PL. AN OFFICE BLOC
WAS LATER ADDED IN1968 TO THAT PARCEL 610-010-055 IS ZONED PL. AN OFFICE BLOC
WAS LATER ADDED IN1968 TO THAT PARCEL AND 30 ADDITIONAL PARRING SPACES
WERE ADDED AT A RATIO OF 1 SPACE PER 202.9 SF. AN AMENDMENT TO DEVELOPMENT
PLAN 66-M-75 WAS APPROVED IN 1999 TO ALLOW A CANDOPY OVER THE SERVICE
STATION, IN THIS AMENDMENT (66-M-075 AMODI) 11 DECLARES THAT THE SERVICE
STATION, SEQUIRED PARKING IS PROVIDED BY THE EXISTING PARKING LOT ON THE
ADJACENT PARCEL, AND IS ADEQUATE TO MEET THE ON-SITE PARKING CEQUIREMENT.

THIS SUBMITTAL REQUESTS TO CREATE A DEVELOPMENT PLAN SPECIFIC TO THIS PARCEL (069-110-054) AND SEVER CONNECTION TO THE ADJACENT PARCEL (069-110-055).

GROSS FOOTAGE OF SERV. STATION/CONV. STORE (NET SAME):



ARCHITECTURE

12.450 SF

1,757 SF 100%

1,757 SF 14%

1,700 SF 14% 8,131 SF 65%

1,757 SF /2 732 SF 128 SF

eight fusiling stations would also be used as parking for the convenience store. In addition, dedicated parking spaces, one of which would be ADA Van Accessible, would be provided in. Two employee parking spaces would be provided on the applicant's adjacent parcel at 52 inview Avenue. The project parcel has a General Plan Designation of Commercial action (CI) and is zoned SC.

862 SF 12.450 SF 100% 8 SPACES (FUEL PUMP POSITIONS)

1,619 SF

1.757 SF

924 anacapa st santa barbara, ca 93101 805.564.6074



JEL DEPOT 3 North Fairview / leta, CA F 85 8



sheet description COVERSHEET

1-5-14 2-19-14 2-26-15 3-16-15 4-16-15 5-1-2015 5-21-2015 9-17-2015 11-18-2015

1-22-2016 7-13-2016 8-17-2016

G-0

Preliminary: NOT FOR CONSTRUCTION

12-30-2015

- c. Pictograms shall have text descriptors located directly below the pictogram field. Pictograms shall have a field height of 6" minimum. Characters and Braille shall not be located in the pictogram field
- d. Characters and braille shall be in a horizontal format. Braille shall be positioned below the corresponding text in a horizontal format, flush left or centered. If fext is multi-flued, Braille shall be placed below the entire text. Braille shall be separated 3/8" minimum and 1/2" maximum from any other tactile characters and 3/8" minimum from raised borders and decorative elements.
- Character proportions shall be selected from fonts where the width of the uppercase letter "O" is 60% minimum and 110% maximum of the height of he uppercase letter "I".
- Characters, symbols and their background shall have a non-glare finish. Characters and symbols shall contrast with their background, either light characters on a dark background, or dark characters on a light background.
- Characters and numbers on signs shall be sized according to the viewing distance from which they are be be read. Minimum character height shall comply with Table 11B-703.5.5.
- Braille shall be contracted (Grade 2) and shall comply with Sections 11B-703.3 and 11B-703.4. Braille dimensions shall comply with Table 11B-703.3.1.
- 10. Pole supported pedestrian traffic control buttons shall be identified with color coding consisting of a textured horizontal yellow band 2 inches in width endicting the pole, and a 1 inch wide dark border band above and below this yellow band. Color-coding should be placed limmediately above the control button. Control buttons shall be located no higher than 48 inches above the surface adjacent to the colds.
- 11. An additional sign shall also be posted in a conspicuous place at each entrance to off-street parking facilities, or immediately adjacent to and visible from each stall or space. The sign shall be not less than 17 inches by 22 inches in size with lettering not less than 1 inch in height, which clearly and conspicuously stales the following:
- Unauthorized Vehicles Parked In Designated Accessible Spaces Not Displaying Distinguishing Placards Or License Plates Issued For Persons With Disabilities Will Be Towed Away At Owner's Expense. Towed Vehicles May Be Reclaimed At

### HAZARDS AND PROTRUDING OBJECTS

- Abrupt changes in level, except between a walk or sidewalk and an adjacent street or driveway, exceeding 4 inches in a vertical dimension, such as at planters or fountains located in or adjacent to walks, sidewalks, or other pedestrian ways, shall be identified by warning curbs projecting at least 6 inches in height above the walk surface to warn the blind of a potential drop off.
- A warning curb is not required when a guard or handrall is provided with a guide rail centered 2 inches minimum and 4 linches maximum above the surface of the walk or sidewalk.
- Objects projecting from walls with their leading edges between 27 inches and 80 inches above the finished floor shall protrude no more than 4 inches into the circulation path.
- Freestanding objects mounted on posts or pylons may overhang
   12 inches maximum from 27 inches to 80 inches above the ground or finished foor.
- Protruding objects shall not reduce the clear width of an accessible route or maneuvering space.
- Walks, halls, corridors, passageways, aisles, or other circulation spaces shall have 80 inches minimum clear headroom.
- Any obstruction that overhangs a pedestrian way shall be a minimum of 80 inches above the walking surface as measured from the bottom of the obstruction.
- Where a guy support is used parallel to a circulation path, including, but not limited to sidewalks, a guy brace sidewalk guy or similar device shall be used to prevent an overhanging obstruction.

### DETECTABLE WARNINGS AT HAZARDOUS VEHICULAR AREAS

- If a walk crosses or adjoins a vehicular way, and the walking surfaces are not separated by curbs, railings or other elements between the pedestrian areas and vehicular areas, the boundary between the areas shall be defined by a continuous detectable warning complying with Sections 11B-705.1.1 and 11B-705.1.2.5.
- At transit boarding platforms, the pedestrian access shall be identified with a detectable directional texture complying with Section 11B-705.2.

### ELECTRICAL

- The highest operable part of all controls, dispensers, receptacles and other operable equipment shall be installed at an accessible location meeting the clearances and reach range requirements of section 118-308.
- The center of the grip of the operating handle of controls or switches intended to be used by the occupant of the room or area to control lighting and receptacle outlets, appliances, or cooling, heating, and ventilating equipment shall be 48° above the floor or working platform.
- The center of electrical receptacle outlets on branch circuits of 30 amperes or less shall be installed not more than 48 inches nor less than 15 inches above the floor or working platform.

### RESTROOM

- Elements of accessible restrooms shall comply with CBC Section
   11B Division 6.
- Accessible urinals shall be stall-type or wall-hung with an elongaled rim at a maximum of 17" above finish floor. Urinals shall have a 30" x 48" clear floor space to allow a front approach and the flush controls shall be hand-operated with the controls installed no higher that 44" above finish
- Hot water lines and drain pipes under lavatories shall be insulated or otherwise configured to protect against contact. There shall be no sharp or abrasive surfaces under lavatories.
- Examples of accessible faucats include: lever operated, push-type, and electronically controlled. If self-closing valves are used, the faucet shall remain open for at least 10 seconds.
- 5. The diameter or width of the gripping surfaces of a grab bar shall be 1-14" to 2" if circular. Grab bars with non-circular cross sections shall have a cross section dimension of 2" maximum and a perimeter dimension of 4" minimum and 4.8" maximum. The space between the wall and the grab bar shall be 1-12". The grab bar assembly shall be capable of withstanding bending stresses, shear stresses, shear forces, and tensile forces of up to 250 lb/f. Grab bars shall not notate within their fittings. The grab bar and any wall or other surface adjacent to it shall be free of any sharp or abrasive elements.
- Mounting heights to operating controls for restroom eccessories not specifically called out in the CBC shall comply with the reach ranges specified in CBC Section 119-308.

### SIGNS & IDENTIFICATION

California's standards for signage are more stringent and are significantly larger and wider than federal law, Americans with Disabilities Act (ADA) Section 4.30.

The International Symbol of Accessibility shall be the standard used to identify facilities that are accessible to and usable by physically disabled persons as set forth in Title 24 and as specifically required in this section.

- The International Symbol of Accessibility shall consist of a white figure on a blue background. The blue shall be equal to color no. 15090 in Federal Standard 959B.
- All building and facility entrances that are accessible to and usable by persons with disabilities and at every major junction along or leading to an Accessible Route of Travel shall be identified with a sign displaying the International Symbol of Accessibility and with additional directional signs, as required, to be visible to persons along approaching circulation paths.
- 3. When permanent identification is provided for rooms and spaces of a building or site, raised letters shall be provided in conformance with Section 118-703.2 and shall be accompanied by braille in conformance with Section 118-703.3. Signs shall be installed on the wall adjacent to the latch outside of the door. Where there is no wall space on the latch side, including at double leaf doors, signs shall be placed on the nearest adjacent wall, preferably on the right. Tacille characters on signs shall be located 48" minimum above the finish floor or ground surface, measured from the baseline of the lowest Braille cells and 60" maximum above the finish floor or ground surface, measured from the baseline of the lowest Braille cells and 60" maximum above the finish floor or ground surface, measured from the baseline of the highest line of raised characters.
- Interior and exterior signs identifying permanent rooms and spaces shall comply with Sections 118-703.1, 118-703.2, 118-703.3 and 118-703.5.
   Where pictograms are provided as designations of permanent rooms and spaces, the pictograms shall comply with Section 118-703.6 and shall have text descriptors complying with Sections 118-703.2 and 118-703.5.
- When raised characters are used, they shall conform to the following:

   Raised characters shall comply with Section 118-703.2 and shall be duplicated in Braille complying with Section 118-703.3. Raised shall be installed in accordance with Section 118-703.4.
- mistateu in accordance with Section 118-703.4.
  Character height measured vertically from the baseline of the character shall be 5/8\* minimum and 2\* maximum based on the height of the uppercase letter 1\*\*.

### FLOORS AND LEVELS

Level area is defined as \*a specified surface that does not have a slope in any direction exceeding 1/4 inch in one foot from the horizontal (2.083% gradient)

- in building and facilities, floors of a given story shall be a common level throughout, or shall be connected by pedestrian ramps, passenger elevators, or special access lifts.
- Ground and floor surfaces along accessible routes and in accessible rooms and spaces, including floors, walk, ramps, stairs, and curb ramps, shall be stable, firm, and slip-resistant.
- Change in level up to 1/4 inch may be vertical and without edge
- Change in level between 1/4 inch and 1/2 inch shall be beveled with a slope no steeper than 1:2.
- i. If carpet or carpet tile is used on a ground or floor surface, it shall be securely attached; have a firm cushion, pad or packing or no cushion or pad; and have a level loop, textured loop, level cut pile, or tevel cut/uncut pile texture. The maximum pile height shall be 1/2 inch. Exposed edges of carpet shall be fastened to floor surfaces and have trim along the entire length of the exposed edge. Carpet does tim shall comb/ with Section 118-305.
- If gratings are located on floors, then they shall have spaces no greater than 1/2 inch wide in one direction. If gratings have elongated openings, the shall be placed so that the long dimension is perpendicular to the dominant direction of travel.

### CONTROLS AND OPERATING MECHANISMS

- Controls and operating mechanisms in accessible spaces, along accessible routes or as part of accessible elements are required to be accessible.
- Clear floor space complying with Sextion 11B-305 that allows a forward or parallel approach by a person using a wheelchair shall be provided at controls dispensers, receptacles, and other operable equipment.
- 3. The highest and lowest operable part of all controls, dispensers, receptacles, and other operable equipment shall be placed within one of the reach ranges specified in Section 11B-308. Electrical and communication system receptacles on walls shall be mounted no less than 15 inches above the floor.
- Controls and operating mechanisms shall be operable with one hand and shall not require tight grasping, punching, or twisting of the wrist. The force required to activate controls shall be no greater than 5 pounds of force.
- 5. For accessible lavatories, faucel controls and operating mechanisms shall be operable with one hand and shall not require grasping, pinching, or twisting of the wrist. The force required to active faucet controls and operating mechanisms shall be no greater than 5 lbs. Lever-operated, push-type, and electronically controlled mechanisms are examples of acceptable designs. self-closing valves are allowed if the faucet remains open for at least 10 seconds.

### SPACE ALLOWANCE AND REACH RANGES

- The minimum clear floor or ground space required to accommodate a single, stationary wheelchair and occupant is 30 inches by 48 inches. The minimum clear floor or ground space for wheelchairs may be positioned for forward or parallel approach to an object. Clear floor or ground space for wheelchairs may be a part of the knee space required under some objects.
- One full-unobstructed side of the clear floor or ground space for a
  wheelchair shall adjoin or overlap an accessible route or adjoin another
  wheelchair dear floor space. If a clear floor or grounds space is located in an
  alcove or otherwise confined on all or part of three sided,
  additional maneuvering clearances shall be provided in accordance with Sections
  118-305.7.1 & 118-305.7.2.
- The space required for a wheelchair to make a 180-degree turn is a clear space of 60° diameter per Section 11B-304.3.1 or a T-shaped space per Section 11B-304.3.2.
- 4. The minimum clear width required for a wheelchair to turn around an obstruction shall be 36 inches where the obstruction is 48 inches or more in length and 42 inches and 48 inches where the obstruction is less than 48 inches in length.
- The minimum clear width for single wheelchair passage shall be 32 inches minimum for a distance of 24 inches max., and 36 inches continuously per Section 11B-403.5
- The minimum width for two wheelchairs to pass is 60 inches.
- 7. If the clear floor space only allows forward approach to an object, the maximum high forward reach allowed shall be 48 inches. The minimum low forward reach is 15 inches. See Figure 118-308.2.1 fit the high forward reach is over an obstruction, reach and clearance shall be as shown in Figure 118-308.2 in the shall be as shown in Figure
- If the clear floor space only allows parallel approach by a person in a
  wheelchair, the maximum high side reach allowed shall be 48 inches
  and the low side reach shall be no less than 15 inches above the floor as
  shown in Figure 118-308.3.1. if the side mach is over and
  obstruction, the reach and clearances shall be as shown in figure
  118-308.3.2.

- 16. Where the ramp surface is not bounded by a wall, the ramp
- shall comply with the following requirement:

  a) A guide curb a minimum of 2 inches in height shall be provided at each side of the ramp.
- In existing buildings where the extension of the handrail in the direction of the ramp run would create a hazard, the extension may be turned 90 degrees to the run of the ramp.
- 18. Ramps more than 30° above the adjacent ground shall be provided with guards that comply with Section 1013. Such guard shall be continuous from the top of the ramp to the bottom of the ramp.

### ENTRANCES AND EXITS

- All entrances and exterior ground floor exit doors to buildings and facilities all be made accessible to persons with disabilities
- During periods of partial or restricted use of a building or facilities,
  the entrances used for primary access shall be accessible to and usable by
  appropriate with disabilities.
- Recessed doormats shall be adequately anchored to prevent interference with wheelchair traffic.
- Every required exit doorway shall be capable of opening at least 90 dogrees, shall have a minimum clear opening of 32 inches, and shall be of a size as to permit the installation of a door not less than 3 feet in width and not less than 6'-8' in height.

### OORS

- Door handles pulls, latches, locks and other operating devices on doors required to be accessible shall not require tight grasping, tight pinching or twisting of the wrist to operate. Manually operated bolts or surface botts are not permitted. The unlatching of any door or leaf shall not require more than one operation.
- Latching and locking doors that are hand activated and which are in a path of travel shall be operable with a single effort by lever type hardware, by panic bars, push-pull activating bars, or other hardware designed to provide passage without requiring the ability to grasp the opening hardware.
- Hand-activated door opening hardware shall be centered between 30\* and 44\* above the floor.
- When installed, doorways shall have a minimum clear opening of 32 inches with the door open 90 degrees.
- For hinged doors, the opening width shall be measured with the door positioned at an angle of 90 degrees from its closed position.
- 6. There shall be a level and clear floor or landing on each side of a door. The level area shall have a length in the direction of door swing of at least 60" and the length opposite the direction of door swing of 48" as measured at right angles to the plane of the door in the closed position. Where the plane of the doorway is offset or located in an alcove a distance more than 8 inches measured from the plane of the doorway to the face of the wall, the door shall be provided with 60" maneuvering clearance for front approach.
- 7. The width of the level area on the side to which the door swings shall extend 24 inches past the strike edge of the door for exterior doors and 18 inches past the srike edge for interior doors Where the plane of the doorway is offset 8 or more inches from any obstruction within 18 inches measured laterally on the latch side, the door shall be provided with manerularing dearrange for froid anomach.
- Provide clear space of 12" past strike edge of the door on the opposite side to which the door swings if the door is equipped with both a latch and closer.
- The floor or landing shall be not more than 1/2" lower than the threshold of the doorway.
- 10. Maximum effort to operate exterior and interior doors shall not exceed 5 pounds, with such pull or push effort being applied at right angles to hinged doors and at the center plane of sliding or folding doors. Compensating devices or automatic door operators may be utilized to meet the above standards. When fire doors are required, the maximum effort to operate the door may be increased to the minimum allowable by the appropriate administrative authority, not to exceed 15 libril.
- 11. When the door has a closer, then the sweep period of the closer shall be adjusted so that from an open position of 70 degrees, the door will take at least 3 seconds to move to a point 3\* from the latch, measured to the landing edge of the door.

### ACCESSIBLE ROUTE OF TRAVEL

- Accessible Route of Travel is defined as "a continuous unobstructed path connecting all accessible elements and spaces in an accessible building or facility that can be negotiated by a person with a disability using a wheelchair and that is also safe for and usable by persons with other disabilities, and that is consistent with the definition of "Path of Travel"
- At least one accessible route shall connect accessible building or facility entrances with all accessible spaces and elements.
- When a building or portion of a building is required to be accessible or adaptable, an accessible route of travel complying with "11B/Division 4: Accessible Routes" shall be provided to all portions of the building, to accessible building entrances, and between the building and the public way.

### RAMPS (EXTERIOR OR INTERIOR)

- Any path of travel shall be considered a ramp if its slope is steeper than 1 unit vertical in 20 units of horizontal (5 percent slope).
- The maximum slope of a ramp that serves any exit way, provides access for persons with physical disabilities, or is in the accessible route of travel shall be 1 unit rise in 12 units of horizontal run (8.3 percent gradient). The least possible slope shall be used for any ramp.
- 3. The cross slope of ramp surfaces shall be no greater than
- Pedestrian ramps shall have a minimum clear width of 48 inches, unless required to be wider by some other provision of this code.
- Where a pedestrian ramp is the only exit discharge path serving entrances to buildings or when it serves an occupant load of 300 or more, the ramp shall have a minimum clear width of 60 inches.
- Level landings shall be provided at the top and bottom of each ramp.
- 7. Top landings shall be not less than 60 inches wide and shall have a length of not less than 60 inches in the direction of ramp run. Landings at the bottom of ramps shall have a dimension in the direction of ramp run of not less than 72 inches.
- Doors in any position shall not reduce the minimum dimension f the landing to less than 42 inches and shall not reduce the required width by more than 3 inches when fully open.
- All ramp landings shall be level with maximum slope in any direction not to exceed 1/4" per foot (2.083 percent slope)
- At bottom and intermediate landings, the width shall be at least the same as required for the ramp.
- Other intermediate landings shall have a dimension in the direction of ramp run of not less than 60 inches
- 12. Handrails are required on ramps that provide access if the ramp slope exceeds 1 foot rise in 20 feet of horizontal run (5 percent gradient), except that at exterior door landings, handrails are not required on ramps less than 6 inches rise or 72 inches in length
- 13. Handrails shall be placed on each side of each ramp, shall be continuous the full length of the ramp, shall be 34 to 38 inches above the ramp surface to the top of the handrails, shall extend a minimum of 1 foot beyond the top and bottom of the ramp, and shall parallel the floor or ground surface. Handrails shall always be continuous and the ends of handrails shall be either rounded or returned smoothly to the floor, wall or post.
- 14. The grip portion of handrails shall be not less than 1 1/4" nor more than 2" in cross sectional nominal dimension, or the shape shall provide an equivalent gripping surface, and all surfaces shall be smooth with no sharp corners. Handrails shall not rotate within their fittings.
- 15. Handrail projecting from a wall shall have a space of 1 1/2" between the wall and the handrail

above the top of the rail.

- Handrails may be located in a recess if the recess is
   maximum of 3" deep and extends at least 18 inches
- b) Any wall or other surface adjacent to handrails shall be free of sharp or abrasive elements. Edges shall have a minimum radius of 1/8 inch.



ARCHITECTURE

924 anacapa st santa barbara, ca 93101 805,364,6074



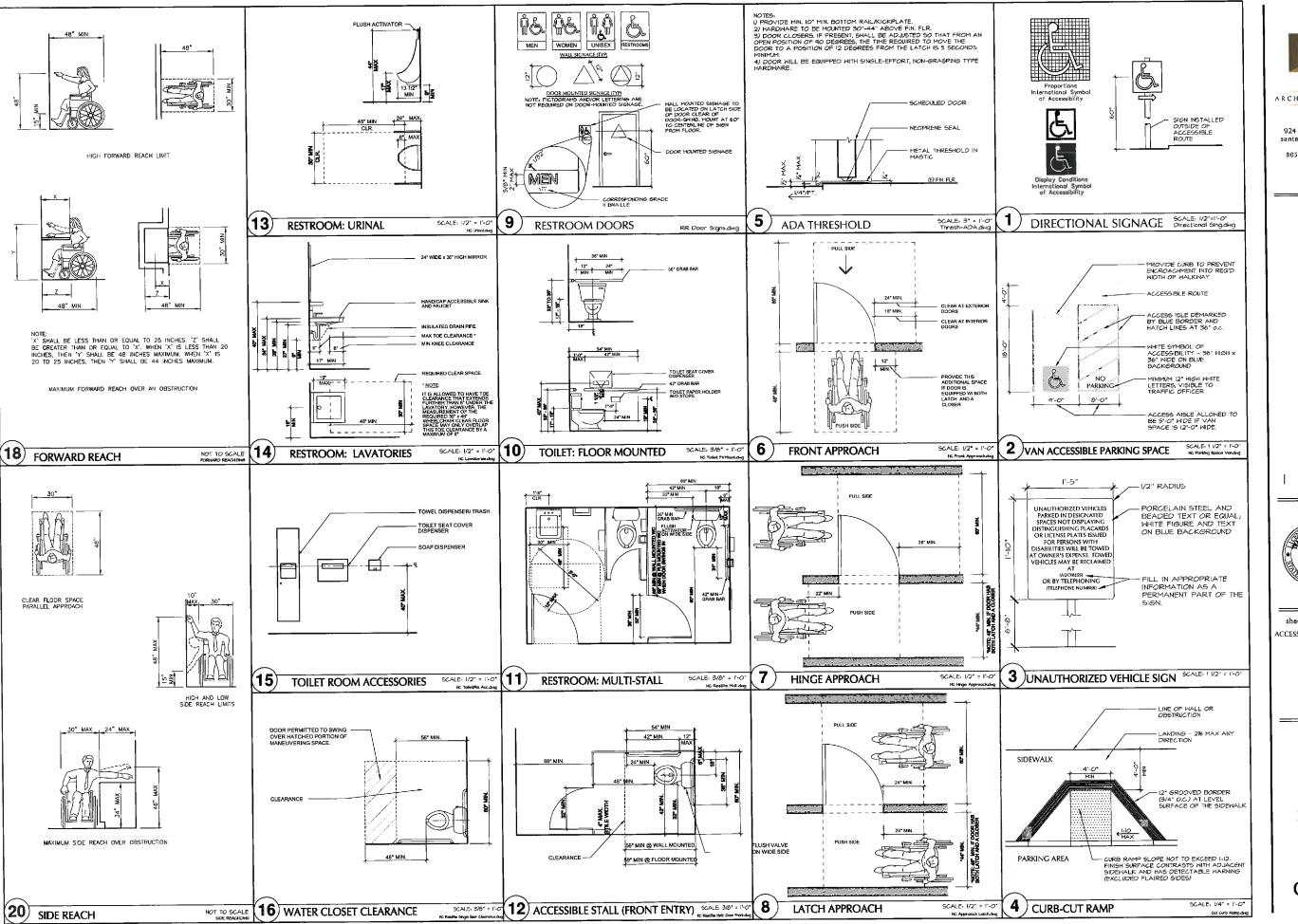
sheet description

date: 1-5-14 2-19-14 2-26-15 3-16-15 4-16-15 5-1-2015 5-21-2015 9-17-2015 11-18-2015 11-23-2015

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ARCHITECTURE

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FUEL DEPOT 180 North Fairview / Goleta, CA



sheet description ACCESSIBILITY DETAILS

> 1-5-14 2-19-14 2-26-15 3-16-15 4-16-15 5-1-2015 5-21-2015 9-17-2015 11-18-2015 1-22-2016

CONSTRUCTION

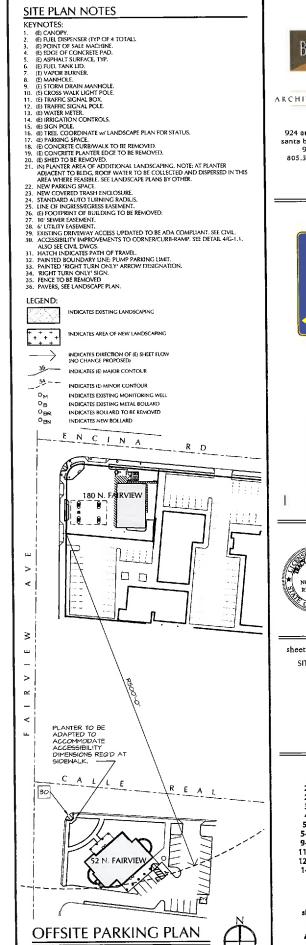
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ARCHITECTURE

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FUEL DEPOT 180 North Fairview / Goleta, CA



sheet description SITE PLAN

> 1-5-14 2-19-14 2-26-15 3-16-15 4-16-15 5-1-2015 5-21-2015 9-17-2015 11-18-2015 12-30-2015 1-22-2016

sheet no: **A.1** 

CONSTRUCTION NOT FOR Preliminary: ш

### SITE PLAN NOTES:

- THIS PLAN IS FOR ARCHITECTURAL REFERENCE. SEE LIVIL PLANS FOR SPECIFIC GRADING AND DRAINAGE INFORMATION.

  SEE SITE PLAN, SHEET A.1 FOR NOTES AND INFORMATION.



ARCHITECTURE

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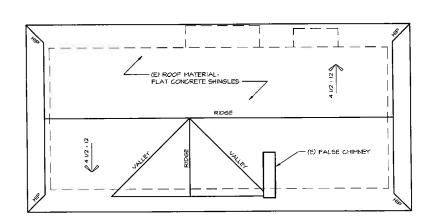
FUEL DEPOT 180 North Fairview Ave Goleta, CA

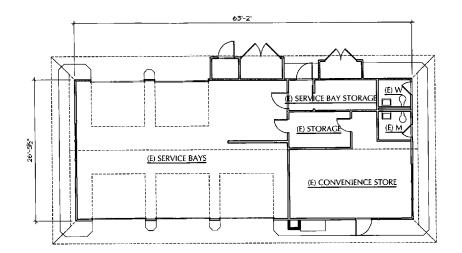


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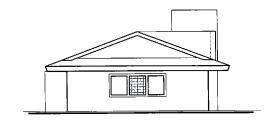
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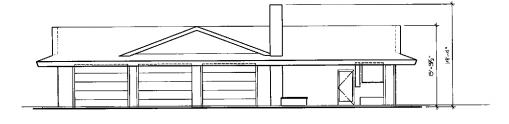




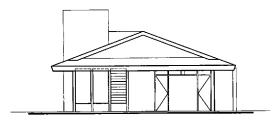




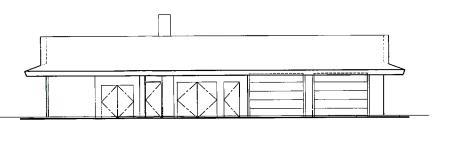
(E) SOUTH ELEVATION



(E) WEST ELEVATION



(E) NORTH ELEVATION



(E) EAST ELEVATION



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> FUEL DEPOT 180 North Fairview Ave Goleta, CA



sheet description
EXISTING PLANS & ELEVS

date: 1-5-14 2-19-14 2-26-15 3-16-15 4-16-15 5-1-2015 5-21-2015 9-17-2015 11-18-2015 12-30-2015

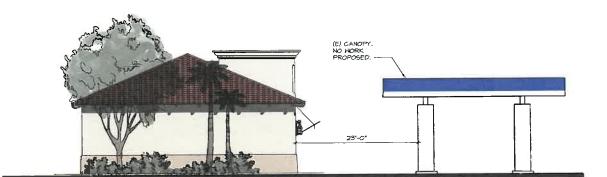
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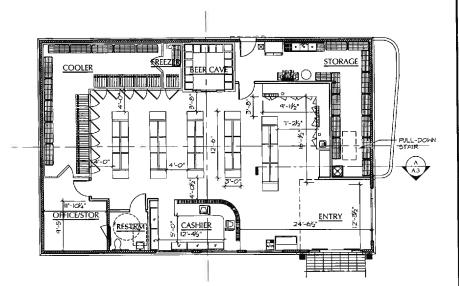


### **SOUTH ELEVATION** 1/8"=1'-0"



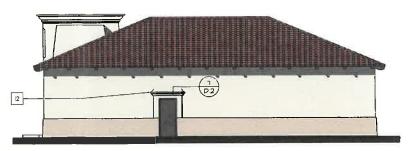
NORTH ELEVATION 1/8"=1'-0"

**EAST ELEVATION** 1/8"=1'-0"









FLOOR PLAN NOTES:

WALL LEGEND:

INDICATES EXISTING WALL 

INDICATES NEW 4° METAL STUD WALL INDICATES NEW 6" METAL STUD WALL

INDICATES NEW 8" CMU WALL

FLOOR AREA:

EXISTING SERVICE STATION (GROSS): AREA OF ADDITION (GROSS): TOTAL AFTER ADDITION;

777 SF 2,396 SF

### **ROOF PLAN NOTES:**

- ROOF MATERIAL: CONCRETE S-TILE (MATCH ADJACENT BLDGS) SEE ROOF PLAN FOR PTICH. GUTTERS & DOWNSPOUTS TO BE LOCATED AS SHOWN. TRASH ENCLOSURE ROOF: 7/8\* CORRUGATED METAL

### **ELEVATION KEYNOTES**

- ELEVATION REYNOTES

  1. ROOF: CLASS 'A' STILE (MATCH ADJACENT BUILDINGS). MFR: BORAL STYLE BARREACH NA CLIFFSIDE

  2. WALLS: Z' EXTERIOR PLASTER W SMOOTH FINISH O' WEATHER BARREACH H.

  3. DOORS: ALLMINIUM STOREFRONT, COLOR: DARK BRONZE.

  4. WINDOWS: ALLMINIUM STOREFRONT, COLOR: DARK BRONZE.

  5. RAFTER TAILS: WOOD.

  6. WAINSCOT: PLASTER (SEE WALLS)

  7. CHAMFERED CORNER.

  8. MECHANICAE CUIPMENT WELL

  9. CANVAS AN EQUIPMENT WELL

  10. PROPOSED AREA FOR FUTURE SIGN

  11. EXTERIOR ENTRY LIGHT. SEE 20/D.1.

  12. PLASTER ENTRY LIGHT. SEE 20/D.1.

  12. PLASTER EYEBROW/DOOR SURROUND.

COLORS:
WALLS:
WALLS:
BENJAMIN MOORE: MONTEREY WHITE HC-27
BENJAMIN MOORE: MONROE BISQUE HC-26
RAFTERS & WOODWORK:
BENJAMIN MOORE: CLINTON BROWN HC-67
AWNING:
BENJAMIN MOORE: CLINTON BROWN HC-67
BLUE PMS 288 (MATCH FUEL CANOPY)
TRASH ENCLOSURE:
DOORS, POSTS & ROOF: MS METAL SALES: ANTIQUE BRONZE



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805.564.6074

FUEL DEPOT 180 North Fairview / Goleta, CA



sheet description ROPOSED PLANS & ELEVS

ACCESS DOOR TO MECH. —— PULL-DOWN ATTIC ACCESS LADDER ——— STORE

1/8"=1'-0"

SECTION

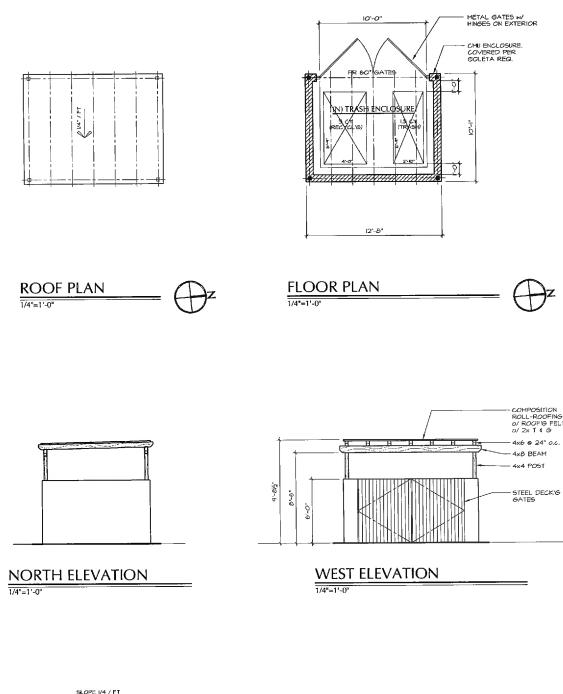
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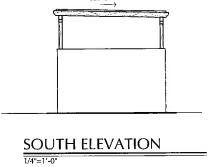
1-5-14 2-19-14 2-26-15 3-16-15 4-16-15

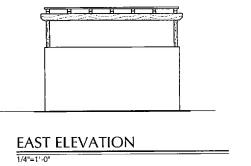
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> FUEL DEPOT 180 North Fairview Ave Goleta, CA

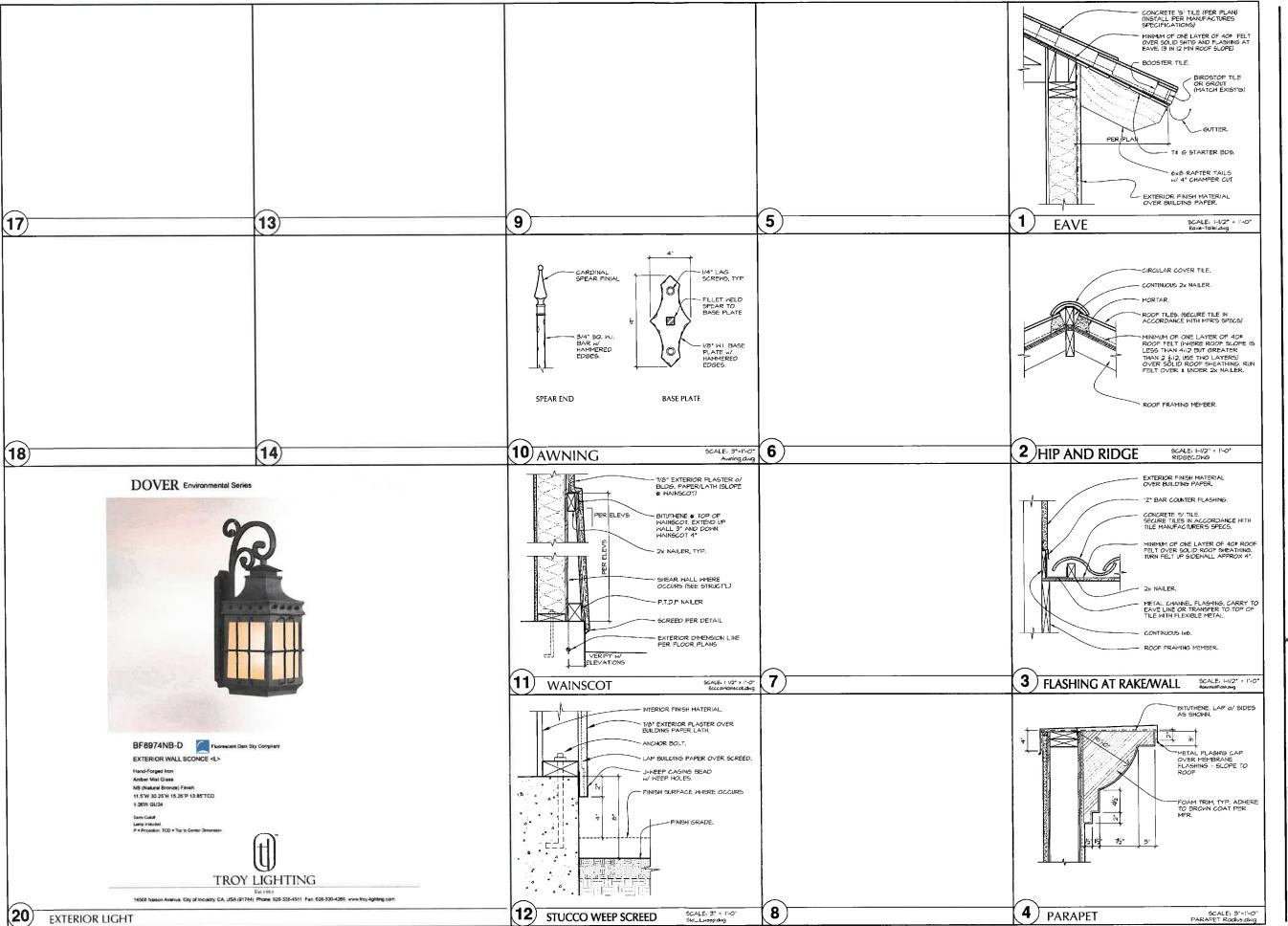


sheet description RASH ENCLOSURE PLANS

> date: 1-5-14 2-19-14 2-26-15 3-16-15 4-16-15 5-1-2015 9-17-2015 11-18-2015 11-20-2015 1-22-2016

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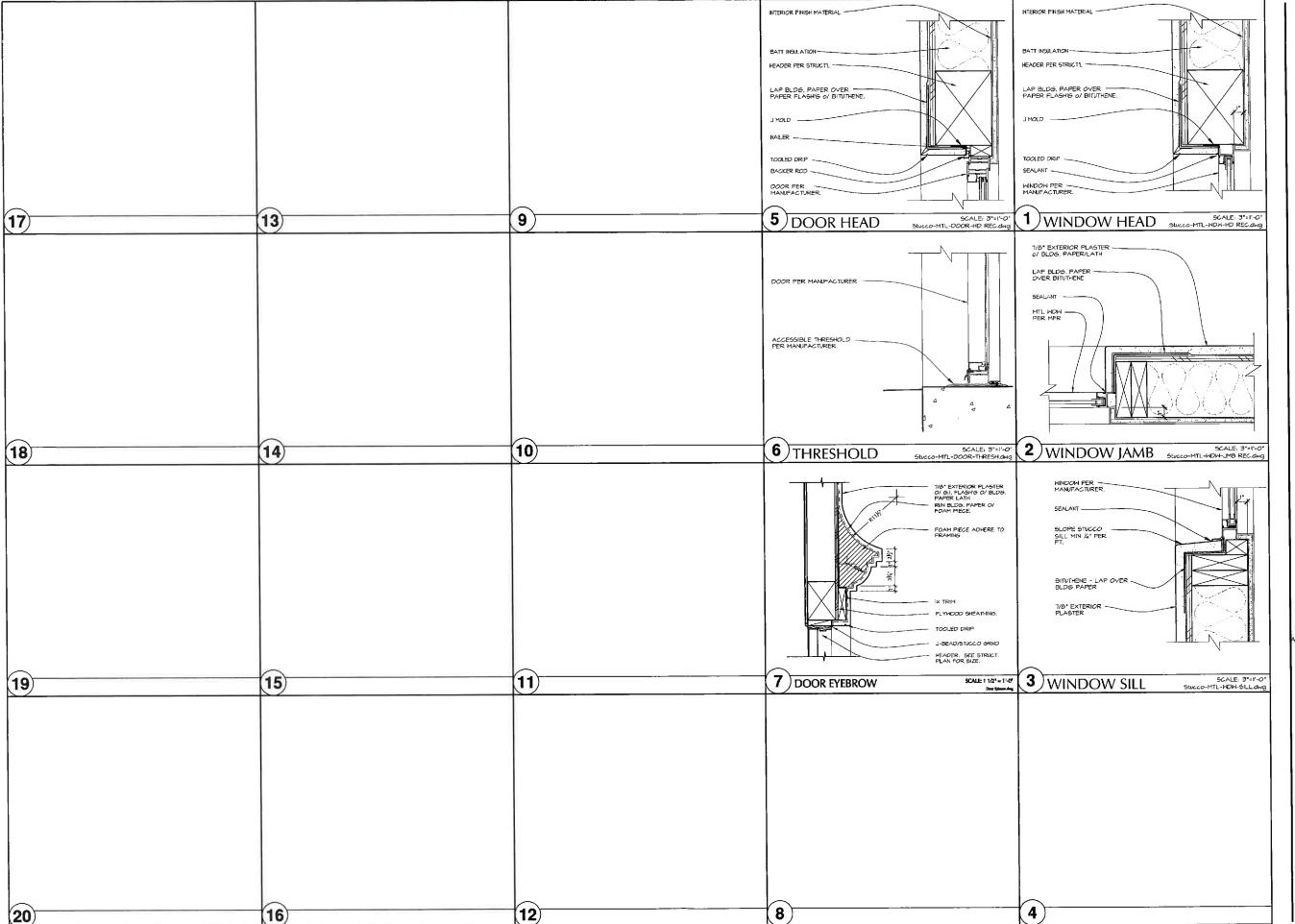




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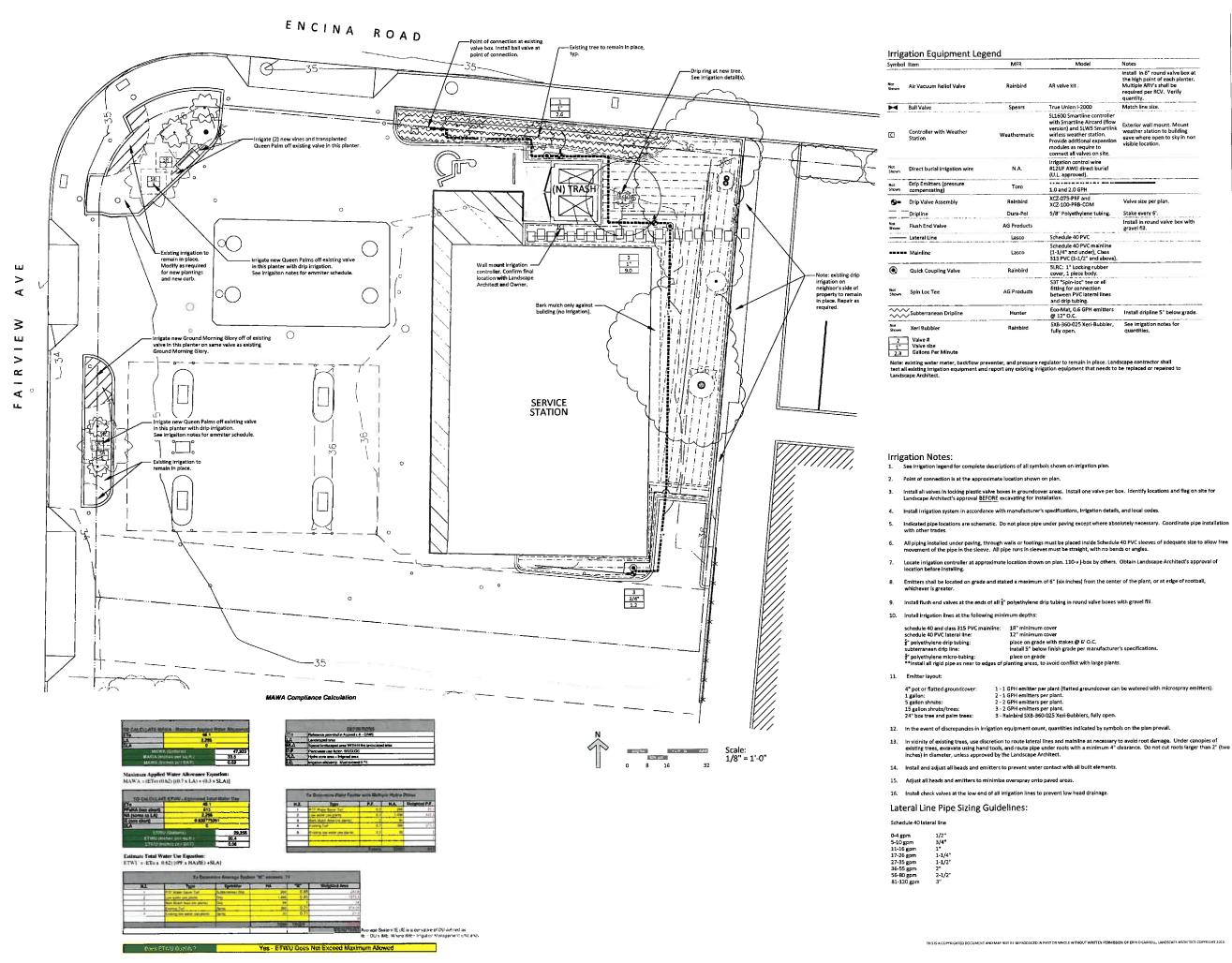
FUEL DEPOT 180 North Fairview Ave Goleta, CA

sheet description ARCHITECTURAL DETAILS

> 1-5-14 2-19-14 2-26-15 3-16-15 4-16-15 5-1-2015 5-21-2015 9-17-2015 11-18-2015 12-30-2015 1-22-2016

Preliminary: NOT FOR CONSTRUCTION

sheet no: D.2



erin o carroll

erin o carroll landscape architect 105 West De La Guerra Street Unit J Santa Barbara CA 93101 805.364.5075 www.erinocarrol.com



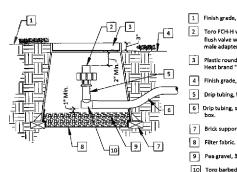
EL DEPOT orth Fairview Ave.

IRRIGATION PLAN

Date/ Issue 2015.11.23 DRB Submittal

Sheet 1 of

LI-1



1 Finish grade, turf areas. 2 Toro FCH-H with DL200 automatic flush valve with DL-75MA-9153 3\*

3 Plastic round valve box, 6" size. Heat brand "FV" onto ild.

4 Finish grade, shrub areas. 5 Drip tubing, length as required

6 Drip tubing, sweep down to enter valve

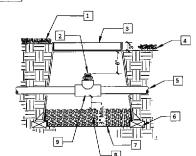
9 Pea gravel, 3" deep.

Toro barbed ell (DL-E9018).

### DRIP FLUSH VALVE Scale: 1"=1'-0"

11

12



1 Finish grade in turf areas.

2 Toro YD-500-34 air/vacuum relief valve. 3 Plastic round valve Box, 6" size heat brand "ARV" onto lid.

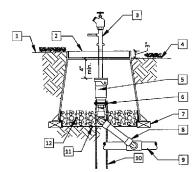
4 Grade in shrub areas.

5 Drip tubing per plan. 6 Brick supports. 7 Filter fabric.

8 Pea gravel, 3" deep.

9 ½" PVC tee (SxSxT) with toro CA710 comp. adapter.

## DRIP AIR RELIEF VALVE



QUICK COUPLER VALVE

1 Finish grade in turf areas.

2 Rigid plastic round valve box with bolt

4 Finish grade in shrub areas. 5 Quick coupler valve.

6 Stainless steel clamp.

7 Brick supports.

9 Mainline.

10 #4 x 36" Rebar stakes, 2 required. 11 Filter fabric.

12 Pea gravel, 3" deep.

Note: Use Teflon tape on all threaded

1 Tree rootball.

Polyethylene tubing in rows around tree, 2 required 4 - 6" below grade,

3 Xeribubblers or emitters spaced evenly around rootball of tree. See irrigation notes for schedule and quantities

4 AGR products "SPIN-LOC" 1025 SETC flush cap SL X 2 MHT with plastic cap installed within a round plastic pull box.

5 Connection between polyethylene tubing and PVC pipe, SXT PVC ell or tee (4") with spin loc x thread male adapte AG products model #S1/2MA-565.

6 Lateral line.

7 YD-500-34 Air / vacuum relief valve installed with a FT-050 combination tee and a 3 x 2 reducer bushing, install air relief assembly inside a 6 planter, min

tes:
1. All drip tubing to be 4" min. below finish grade.

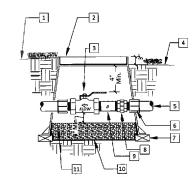
2. Box to be installed as to allow for proper operation of ball valve. Install at right angle to hardscape edge, install valve off-center in box

3. Install valve box extensions as required to achieve proper valve installation at mainline depth.

WALL HOUNT (II) SLVS VIRELESS VEATHER STATION COPTIONN (I) SL-ARCARD (IPTIDHAL)

SL1600

SL1600 SERIES CONTROLLER



1 Finish grade in turf areas.

2 Rigid plastic rectangular valve box with bolt down cover. Use stainless bolt, nut and washer. Place box at right angle to edge of pavement Heat brand "BV" onto lid.

erin o carrol

landscape architect

105 West De La Guerra Street Unit J Santa Barbara CA 93101 805 364 5075 www.erinocarroll.com

DEPOT Fairview Av

FUEL 130 North

IRRIGATION DETAILS

3 Ball or gate valve.

4 Finish grade in shrub areas. 5 Pressure supply line.

6 PVC male adapter 7 Brick supports.

B Brass union. 9 Brass nipple.

10 Non-woven filter fabric 11 Pea gravel, 3" deep.

Install valve box extensions a required to achieve proper va-installation at mainline depth

**BALL OR GATE VALVE** WEATHERMATIC SL1600 WALL MOUNT CONTROLLER Not to Scale

1 Low voltage wires, 3 maximum Wires pass through grooves in tube lid to allow lid to close.

3 Close tube lid after wire is inserted

Poly tube pre-filled with waterproof

5 Lock tabs prevent wire removal once connector is inserted. 6 Scotchlok Electrical Spring connector

Wires shall be pre-stripped of ½" of the insulation prior to insertion into the connector. Twist connector onto wires to seat firmly.

s:

1. Wire connector shall be a 3M DBY Direct Bury Splice Kit.
Kit shall include a Scotchiok Spring Connector, a polypropylene tube and a waterproof sealing gel. Tube shall be supplied prefilled with gel.

Direct Bury Splice Kit shall be used to electrically connect [2-3] #14 or [2] #12 pre-stripped copper wires. Larger wires or greater quantities of wires shall require a larger approved wire connection.

WIRE CONNECTION

\_\_\_\_2

1 Finish grade.

2 Clean compacted backfill. 3 Lateral line.

Control wire. Tape @ 4' O.C. 5 Undisturbed sail

6 Mainline

PIPE INSTALLATION

**DRIPLINE STAKING AND LAYOUT** 

-SOD STAKE INSTALLED 8 FT ON CENTER OVER TUBING

TURF GRASS, GROUND COVERS OR SHRUBS, SEE

-OVERLAP MAT 4" (10cm)

—17mm DRIP LINE TUBING, POLYPROPYLENE FLEECE WRAPPED

Thurster irrigation detail

Mulch, see planting notes.

2 Dura-Pol polyethylene tubing.

3 Amended soil per planting notes and specifications. Bring soil level to 3" below finish

To insure even parallel and level tubing rows it is recommended that the soll level in the planter areas be brought

2. Install tubing as indicated on these

1 Tubing stake.

Finish grade.

12 Lateral line.

Note: Use Teflon tape on all threaded

3

4

6

7

8

drawings and secure to grade using wire hoop stakes at 5 feet on center spacing.

3. Backfill final 3" of mulch over the tubing after installation of the tubing.

to 3" below grade and properly

grade of mulch prior to drip tubing installation. Wire Stake. On center spacing per irrigation notes.

--- AMENDED SOIL

--- SITE SOIL

13.75" (35cm) \* 13.75" (35cm)

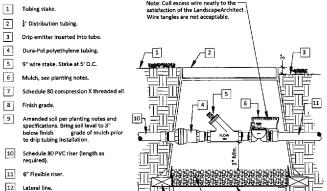
SCALE: N.T.S.

RECOMMENDED ECO NAT INSTALLATION DEPTH (D): TURF AREAS: 4" - 8" (10cm - 20cm)
GROUND COVER AREAS: 8" (20cm)
SHRUB AREAS: 12" (30CM)

ECO MAT - SECTION

**HUNTER ECO MAT SUBSURFACE IRRIGATION** 

Not to Scale



1 Finish grade, turf areas.

Plastic rectangular 'jumbo' valve box with bolt down cover, use stainless bolt, nut, and washer.
Box to be placed at right angle to hardscape edge. Heat brand "RCV" and control station # onto UD.

3 Finish grade in shrub areas

4 Pressure regulator.

5 Wye filter.

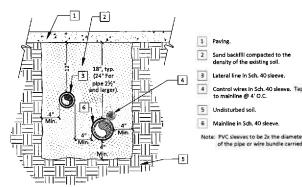
6 Remote control valve. See leg

B Pea gravel, 3" deep 9 Brick supports.

Box to be installed as to allow for proper operation of ball valve. Install at right angle to hardscape edge, install valve off-center in box.

Install valve box extensions as required to achieve proper valve installation at mainline depth.

Use Teflon tape on all threaded fittings, typical.



Date/Issue 2015.11.23 DRB Submittal

2 of 6

PIPE / WIRE SLEEVE INSTALLATION 3

13

TREE DRIP RING LAYOUT

**EMITTER TO DRIPLINE CONNECTION** 

DRIP VALVE ASSEMBLY Not to Scale

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LI-2

### 1.02 SCTIPE OF WORK

- A. Work Specified In this Section:

- Controller(s), control wire.
- 4. Testing.
- 5. Excepting and backfilling irrigation System Work.
- 7. Pipa sleeves.
- 1. Section 02950 Landscape Planting Section 02970 - Landscape Maintanance
- Definition: The words Landscape Architect as used herein shall refer to the Owner's authorised representative.
- 1.03 QUALITY ASSURANCE AND REQUIREMENTS
- A. Permits and Fees: Obtain and pay for required permits and inspections.
- Manufacturer's Directions: Manufacturer's directions and detailed drawings shall be followed in all cases where the manufacturers of the enticles used in this Contract provide directions covering points not shows in the Drawings and Specifications.
- Ordinances and Regulations: All local, municipal and state laws, rules and regulations governing or relation to any sortion of this Work are harsby incorporated into and made a part of them

Specifications, and that provides shall be control as by the Controllers. Anything contributed in these Specifications what on the assumption to condition than or off the above risks and regulations or regulations or of this same. However, when these Specifications and traveless call or of describe material, suchtravenible, or construction of a latter quality, higher standards or larger star than its required by the above rules and regulations, the provisions of these Specifications and developed and the proceedings.

### Publication of Drawings:

- Due to bits such of the Dervising, it is not possible to Indicate all officials, fittings, interess, see, which may be required. The Contracted that Assembly Investigate the articles and fitting the second section of the Contracted that Assembly Investigate the articles and fitting the Contracted to the Contracted that the Contracted that we have been assembly to the Contracted that the Contracted that purposes the Contracted that Investigate is to which a sensor as to work conflicts between insights in platform and platfolding that the Contracted that
- Do not leastal the largeston System as shown on the Deavings when it is coloius in the fleid that obstructions, grade differences or discrepancies in one dimensions such transpire not here been creatment in design. Bring such obstructions or differences to the activation of the Landscape Architect. In the event this socialisation is not performed, the difference and the control of the Control

### 1.04 SUBMITTALS

- Record Drawings

- Dimension from two (2) permanent points of reference, building corners, aldereds, or road intersections, etc., the location of the following tiens:
- a. Connection to existing water lines.
- b. Commection to existing electrical power
- c. Ball valves.

- t. Routing of control wiring.
- g. Quick coupling or garden valves.
- h. Other related equipment.
- On or before the data of the final inspection, define the corrected and completed reproductions to the Landscape Architect. Delivery of the reproductions will not releve the Connector of the responsibility of fundahing required information that may be omitted from the prints.

- Provide one controller chart for each controller suspited.
- The chart is to be a reduced shawing of the equal system. However, in the event the controller sequence is not lightly when the drawing is reduced, it shall be unlarged to a size that will be readable when reduced.

- The chart shall be on a stable (non-fetting) paper, and a different color shall be used to indicate the errer of coverage for each station.
- 6. When completed and approved, laminate the chart between two pieces of of plastic.
- These charts shall be completed and approved prior to finel inspection of the infigration system.
- Prepare and deliver to the Landscape Architect within ten calendar days prior to completion of construction, two binders containing the following information:

- In addition to the above-mentioned maintenance manuals, provide the Ownier's maintenance personnel with instructions for major equipment and above endersed in writing to the landscape Architect at the conclusion of the Project that this service has been rendered.
- Equipment to be Furnished:
- Supply as a part of this Contract the following tools:
  - s. Two (2) keys for each automatic controller.
  - One (1) quick coupler key and matching hote swive for every five (5) or fraction thereof of each type of quick coupling valve installed.
- Turn over the above-mentioned equipment to the Owner at the condustion of the Project. Bildence that the Owner has received material must be shown to the Landscape Architect before final project review.
- 1.05 PRODUCT DELIVERY, STORAGE AND HANDLING

### Comply with Division -1 "Product Substitutions" Section.

- 1.07 GUARANTEE
- A. The guarantee for the Irrigation system shall be made in accordance with the following form. The General conditions and Supplementary conditions of these specifications shall be filed with Owner or has expressionately prior to acceptance of the irrigation system.
- A copy of the guerantee form shall be included in the operations and maintenance manual

PROJECT: CONTRACTOR: ADD RESS; PHONE NUMBER:

BY: DATE OF ACCEPTANCE:

### PART 2 - PRODUCTS 2.D1 MATERIALS

- Pressure main live plains shall be Dars for approved equal) PVC Schedule 40 phps. Pape shall be made from RS2 approved Type I, Grade I PVC compound conforming to ASTM reals specification 1785. All pipe must meet trequirements as set forth in Federal Specification RS-21-70.
- PVC solvent-weld fittings shall be Schedule 40, 1-2, IH MSF approved conforming to ASTM sest procedure D2456.
- Solvent coment and primer for solvent-weld and fitzings shall be of type and installation methods prescribed by the manufacturer.
- All PVC pipe must beer the following markings:
- 6. Manufacturer's name
- b. Kominal pipe size

- e. NSF (National Sanitation
- f. Date of extrasion.
- PVC Non-Pressure Lateral Line Piping:
- Pipe shall be made from NSF approved, Type I, Grade II PVC compound conforming to ASTIA resin specification 01784. All pipe must meet requirements set forth in Federal Specification PS-22-70 with an appropriate standard dimension ratio.
- Except as noted in paragraphs 1 and 2 of Article 2,018, all requirements for non-pressure latarnil line pipe and fittings shall be the same as for solvent-weld pressure main line pipe and fittings as set forth in Arbein 2,018 of this Section.
- E. Copper Pipe and Fittings: Type "L" copper pipe with wrought copper fittings.
- F. Guilds coupling valves: size and type as indicated on Drawings.

- Make connections between the automatic controller(s) and the which's control valves with direct copper when AW-U.F. 400 or mit. Common rejets shall always be what as which as the controller with a manufacturer systemations and when the no case shall write size has than \$45. Provide permanent lag identifying valve number or each control wire which controller calcium.
- Wiring shall occupy the same trench and shall be installed along the same route as pressure supply or lateral lines wherever possible.
- Provide an expension cost within three (3) feet of each wire connection, frequency and the last of sufficient length at spillor convention at death but of sufficient length at spillor convention at each electric control, so that he case in greatly, the bornet respit per brought to the suffice without disconnecting the control where, they the control where bookly in trench efficient control where the control where connecting the control where the
- Make all spikes with Scotch-Lok 63576 Convector Seeling Packs, Releberd Snap-Tite wire connector, or approved equal. Use one splice per connector seeling pack.
- Field splices between the automatic controller and electrical control valves will not be allowed without notice automatic field (Lecturate Architect
- - Final location of automatic controller shall be approved by Owner,
  - Unless otherwise noted on the Drawings, the 120-volt sectrical power to the automatic controller location shall be furnished by others. The first electrical honk-up shall be the responsibility of the irrigation installer.

- All electric control valves shall have a manual flow adjustment.

- Use  $9-1/2^{\circ} \times 16^{\circ} \times 11^{\circ}$  rectangular box for all electrical control valves, Carson industries 3419-128 with green-lacit down cover or approved equal.
- N. Drip trigation Equipment:

- a. Hantie Dura Pol. 1/21,3/41 Polyethylene kose or ecoroved equal. Hardie Duns Poi 1/4" Distribution tubing or assenzed equal.

- - All scaled dimensions are approximate. The Contractor shell check and warfly all sizes
    dimensions and report any discrepancies to the Landscape Architect prior to proceeding
    with Work in this Section.
- 3.02 PREPARATION

- Provide for a minimum of sk [6] Inches cover for all drip integration lines unless otherwise specified in the Drawings.
- Backfilling:
- Do not backfill benches used all required tasts are performed. Carefully loaded in transches with the encourage materials approved for backfilling, consisting of earth, the performance of the performance of the performance of the performance of the trans. Meta-handed compact accept it is inducated enem but in of which yeard to adjusted undistantials of in planning error. Excitif self conform to adjust any period without days, suches may be more or other surface frequenties. Place a fine granular mercarial backful to a depth of 8° interediately above all lines. No foreign metter larger then one-helf (1/2) inch in size well be paretited in the initial backful.
  - Flooding of trenches will be permitted only with the approval of the Landscape Architect.
- Trenching and Backfill Under Paving:

- Line Voltage Wiring for Automatic Controller:

- 3.64 TEMPORARY REPAIRS
- Where it is increasely to exceeds adjacent to edding three and shrubs, use all possible care to avoid injury to tree, the crost and shrubs. Exceeds by band only in axes where two lock [17] and larger most location. Turnel turnel or in lact two troblects [27] and larger in features. When procise in heavy breats to opprevent examing or accessine dying. Where a distribute practical is not does to breat larger process and an area of the contraction o
- FIELD QUALITY CONTROL
- A. Adjustment of the System:
- Request the presence of the Landscape Architect is writing at least forty-eight (48) hours in advence of testing. E-mail or lice notification is acceptable.
- NOTE: Testing of pressure maintines shall occur prior to installation of electrical control

- When the infigurion system is completed, perform a coverage test in the presence of the Landscape Architect to determine if the wester coverage for planting areas is complete and substants. Furnish all misteriols and performs all fifth required to control representations of the fundamental period of the property of the property leads to the property of the property of the property of the property all misteriors are the property of the property of the property all misteriors are the property of the property of the property and the property of the property and the property of t
- Upon completion of each phase of Work, tast and edjust the entire system to meet site requirements.
- The entire infigation system, with the exception of drip tubing and emitters, must be under full sustainable operation or for to any planting.

3.10 OBSERVATION SCHEDULE

- Show evidence to the Landscape Architect that the Owner has received at accessories, charts record drawlings, and equipment as required before final observation can occur.
- A. Notify the Landscape Architect in schence for the following observation meetings, eccording to the time indicated:

- 1. Pressure supply line installistion and testing: 48 hours
- 2. Automatic controller installation and wire installation: 48 hours
- 3. Lateral line and emitter installation: 48 hours

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> SPECIFICATION IRRIGATION

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LP-1

Trees LD. Botanical Name Common Name Erythrina crista-galli Cockspur Coral Tree Queen Palm Shrubs and Groundcovers I.D. Bignonia capreolata Orange Cross Vine Cordyline fruticosa 'Soledad Purple' Soledad Purple Ti Plan CyR Cycas revoluta Sago Palm DjR Dietes 'John's Runner Distictis 'Rivers' Royal Trumpet Vine LB Lomandra longifolia 'Breeze' Dwarf Mat Rush PgB Pittosporum tenulfallum 'Golf Kohuhu Shrubs, Groundcovers and Perennials (Hatched Areas) Berkeley Sedge ::: Carex tumulicola Convolvulus sablatius Ground Morning Glary Dianella tasmanica 'Tasred' Tasred Flax Lify Planting Notes:

All plants are identified by typical symbols. Plant quantities are approximate and provided for the contractor's convenience. In the event of discrepancies in plant count, quantities indicated by plant symbols on the plan prevail.

Quant. Size

Quant. Size

15 Gal

5 Gal 15 Gal

1 Gal

1 Gal

15 Gal

Size

1 Gal

Plant @ 24" O.C.

Plant @ 24" O.C.

Available at Valley Sod Farm, phone: (818) 892-7258. Order 5% extra for

Plant @ 30" O.C. 54

12 5 Gal 6 5 Gal

415 SF

162 SF

339 SF

288 SF

2 15 Gal

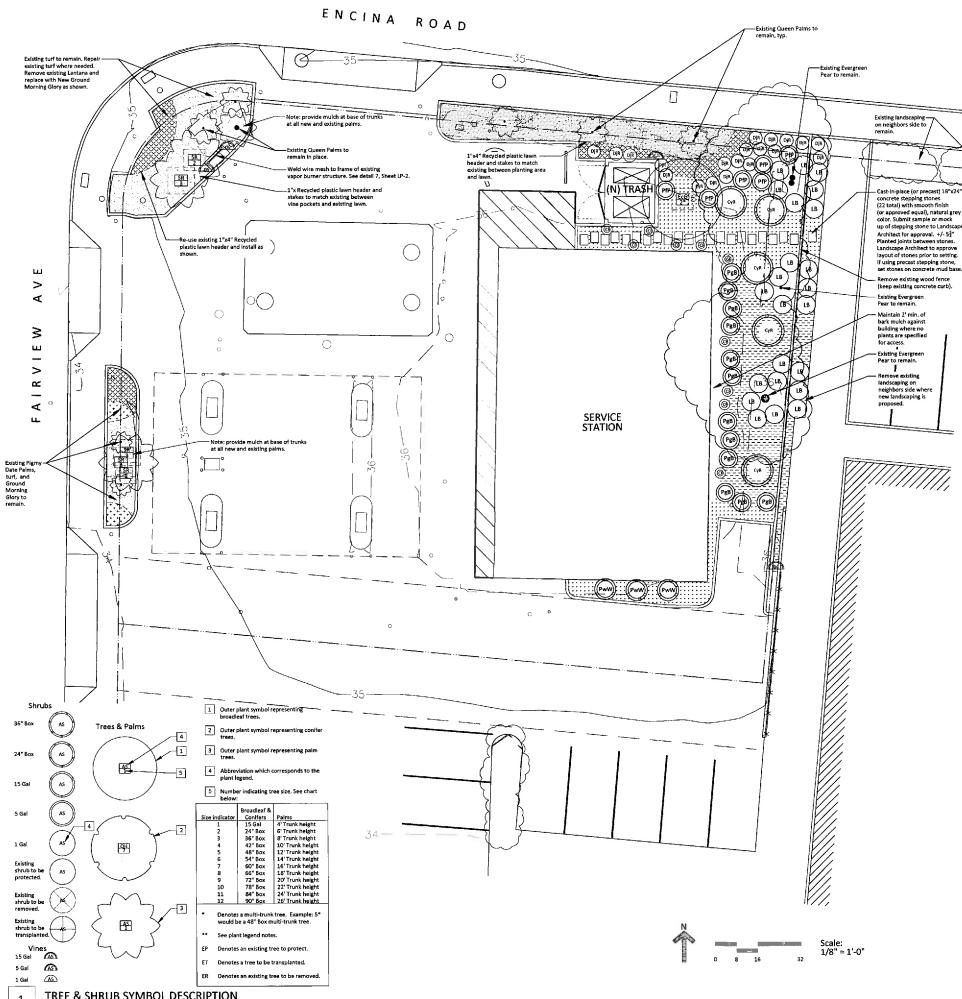
23

2

Multi-trunk

Notes Train to adjacent

- Take two representative soil samples from the project site and source of any imported topsoil. Locations of soil samples must be approved by the Landscape Architect. Send soil samples to Wallace Soil Testing Laboratory 310-615-0116 or an approved equal for testing of suitability for ornemental planting as specified on the drawings. Request from soils lab that only organic amendances and fertilizers are included in the recommendations. Make adjustments to the rate and analysis of fertilizer & amendments as recommended to provide a suitable backfill mix for planting. Notify the Landscape Architect of any potential problems which may result due to harmful substances found in the soil. Failure to act as specified may result in contractor assuming financial responsibility for any damage to plants.
- Contractor is responsible for finish grades and for fine grading required for surface drainage and uniforn satisfaction of the Landscape Architect. Advise Landscape Architect of drainage problems and make rec
- Grades and flow lines must be maintained during irrigation and planting operations. Contractor may not alter establishe grade and flow lines without the knowledge and permission of the Landscape Architect.
- The Landscape Architect reserves the right to review all plant material at the nursery prior to delivery to job site. In lieu o
- Landscape Architect reserves the right to refuse plants delivered to site that are substandard. Replacement plants are to be supplied by contractor at no additional cost to owner.
- Plant materials and installation to meet highest quality industry standard. Locate and secure all specified plants within two weeks of award of contract and show proof of to landscape Architect in writing that plants have been secured. Notify Landscape Architect immediately of any plant sourcing difficulty.
- Include in the contract price a sufficient amount to allow for supply and installation of additional plants to be used at the direction of the Landscape Architect. Include 5 15 gallon, 10 5 gallon, 20 1 gallon. Provide the unit price for such plants in the bid and credit the owner for each plant not installed.
- Contractor shall maintain all installed plants (on a weekly basis) for a period of 90 days from date of completion of installation. Fallure eradicate weeds and maintain areas may result in an extension of the maintenance period. Guaranty plant material 5 gallon or smaller for a period of 90 days from date of final review. Replace dead plants and plants not in vigorous condition, without cost to owner, as determined by Landscape Architect at the end of warranty period. Guaranty 15 gallon plants and larger, for 1 year from date of final review. Trees called out as "transplanted" shall be included in the warranty period.
- 10. Notify Landscape Architect of intended planting schedule a minimum of two weeks prior to planting.
- 11. Set out all plant materials as shown on plan. Final locations must be approved by the Landscape Architect prior to
- 12. Plant crown to be 2" above adjacent grade for 15 gallon and larger plants; 1" above adjacent grade or plants smaller than
- 13. Install all plants per details.
- 14. Stake trees according to industry standards per details. Review with Landscape Architect prior to work.
- 15. Contact Landscape Architect for decision regarding proposed plant substitutions 4 weeks prior to installation
- 16. All plants delivered to the site must have legible identification tags.
- 17. Plant groundcovers adjacent to shrubs and/ or trees 1.5 times the distance of their specified spacing away from the stems of the adjacent shrubs and trees. Groundcovers adjacent to curbs and pavement shall be spaced at specified spacing away
- Completely eradicate all bermuda, kikuyu grass, ivy, and other weed growth or other visible or alleged invasive weeds from areas within project limits prior to installing planting.
- Provide and install bark mulch over all shrub and groundcover areas. Use ES-2 mulch sourced from Agromin: (800) 247-6646. Spread mulch evenly over all shrub and groundcover areas to a depth of 3" (three inches). Keep mulch away from plant stems. Submit mulch samples to Landscape Architect for approval prior to purchase and delivery.
- 20. Preserve and protect all existing trees unless otherwise noted.
- 21. Palm trees installed in limited planting spaces that require staking for stability may be supported by a 1\* diameter galvanized pipe equal in height to the trunk height of the palm to the base of the first frond. Drive the pipe 48\* deep below finish grade and/or 12\* Into subgrade.



1

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TREE & SHRUB SYMBOL DESCRIPTION

- 1. Section (USLO Infantion System

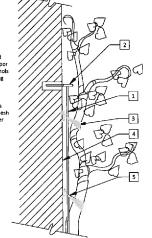
- 9. pH: 63-75

- S. Calcium Carboneen: 3076 Inne as derived thorn system shells



WIRE MESH VINE SUPPORT ON

 4"x4" steel mesh field welded to existing vapor burner frame: McNichols burner frame: McNichols square woven opening wire mesh, 4" Square Opg. Lock Crimp. Center steel mesh on frame. Grind all welds smooth. Paint wire mesh to match vapor burner



VINE ATTACHMENT

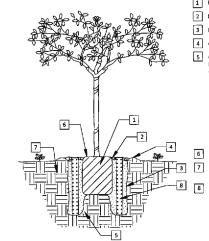
12 Gauge copper wire secured to eye bolt. 2 Stainless steel eye bolt in  $\frac{1}{2}$  expansion shield.

3 Clear plastic nursery tape.

4 Building wall or column. 5 Tie vines onto wire supports with plastic tape.

For vine attachment to wood posts, use galvanized eye screws and loosely tie vines to eye screws with clear plastic nursery tape.

- 2. Landscape Architect will determine wire pattern for vine and espaller attachment in field.
- Allow 50 linear feet of 12 gauge galvanized wire and 10 eyeboits for each vine installation.



1 Rootball: set on firm soil at bottom of pit. 2 Mulch over basin per specifications.

4 6" High temporary berm.

5 6" Diameter by 18" deep augured holes backfilled with amended soil. Roughen s of holes to prevent glazing.

15 gal trees: 3 holes at outer edge of mothall

24" box & 36" box trees: one hole at each corner and one in the center.

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landscape architect

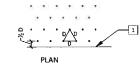
Larger than 36" box trees: one hole at each corner, one each side, and one in the center (9 total).

6 Set rootball with crown 1" above finish grade.

Undisturbed soil. If necessary, compact subsoil and form pedestal to prevent settling

4" Diameter perforated PVC pipe with removable plastic cap: (2) per tree for trees 24" box and smaller. (4) per tree for trees 36" box to 60" box. (6) per tree for trees larger than 60" box.

TREE PLANTING W/ DRAIN PIPES

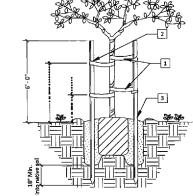


1 Edge of paving, walk, wall, etc. 2 10" Minimum deep tilled planting bed over scarified subgrade. 3 Groundcover.

4 Install 2" thick mulch layer prior to planting groundcover.

5 Finish grade. 6 Amended soil.

Note: Locate plants spaced equal distance (D) from each other as shown. D = as shown on planting plan.



Two nylon reinforced ties: 1" Wide figure 8 "Super Tie I" tree ties or approved equal. Adjust to allow for tree 2 Attach to stake with galvanized roofing nall.

2½" Diameter lodgepole. Drive 18" minimum into undisturbed subgrade outside rootball.

 Refer to planting detail for hole size, backfill, etc.

Modify installation as required for trees in public right of way.

TREE STAKING 2

> Set rootball with crown 1" above finish grade. Backfill mix per specifications

3

2 2" Deep basin. Finish grade.

**SHRUB PLANTING** 

3 Not to Scale

5 Scarify sides and bottom of hole. Undisturbed soil. If necessary, compact subsoil and form pedestal to prevent settling. 7 Mulch over basin per specifications 8 Rootball. Note: Excavate planting hole 2 times wider than plant rootball. Excavate outer edges deeper than center. Rootball should rest on undisturbed

S AND PLANTING DETAILS SPECIFICATIONS

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4. Guying and Stating Materials: Install per plant list.

C. The next lengths placeting senti

Planting Specifications Continue on Next Sheet

EXISTING VAPOR BURNER Not to Scale <u>|</u>5 \_2 **GROUNDCOVER PLANTING** Not to Scale

3 /- A SECTION

Pinnate Palms

Finish grade for field dug palms (or top of soil in boxed palms).

Palmate Palms

<u>/-[1]</u>

W

6

 Trunk height is measured from finish grade to Just above second to lowest frond. 2. No green fronds shall be removed from palm tree prior to delivery.

TRUNK HEIGHT DEFINITION Not to Scale

LP-2

Planting Specifications Continued from Previous Sheet

- Clear and remove dead weeds least 5" below the ruriace of the soll over the entire area to be wanted.

- Disposal of Eucas Soit: Dispose of any unacceptable or excess soil at an offsite location approved by Owner.

### 3.03 PLANTING INSTALLATION:

- Planting of Trees and Simula:
- Excevetion for prenting shall include the stripping and of all acceptable togets encountered within the arous to be exceveted for treacters, true hales, plant pits, and planting back.

- Can Removal: after removing plant, superficially out edge roots with lattle on three (B) stdes and bottom, and gently pull roots outwerd from the rootball.

- Permove sides of box sethost derrage to root bell after postclording plant and pandy backfilling.
- 4. Face plants with fallest growth into provelling wind.
- Set plant plants and hold rigidly in position until soil has been tumped firmly around half or roots.
- After the plant has been placed, add bacidlit to the hole to cover approximately one-tail (1/2) of the height of the root ball. Water to theroughly saturate the root bull and adjusted to it.

- Prusing: Until pruning to the minimum recessory to remove injured twigs and branches, and the singue the plant secteded as directed by the Lendecape Architect. Pruning may not be done prior to delivery of plants.

- - 1. Plant material review: 48 hours 2. Plant layout resiev: 48 hours
- When observations are conducted by someons other than the Landscape Architect, show evidence in writing of when and by whom these reviews were made.

7. No after rights will communisce will have all guards jits basks natural in provious complained or remainded unless such complained for the beam welved for first complained for remainded unless such complained for the such communiscent and the such communiscent and the such communiscent and the such community failing practs part hour [that transportation correct, he further indoor specialistic part of the further indoor specialistic part

SECTION 02570 LANDSCAPE MAINTENANC PART 1 - GENERAL 1.02 SCOPE OF WORK Wherk Specified in the Secritor: Furnish all labor, material, equipment and sentors required to maints in the land scape in an attractive condition as spacified herein for a period of (c)rest/\$903 sizes. 1.03 QUALITY ASSURANCE Work force: Contractor's representative shall be experienced in fendscape maintenance and shall have received training in orcamental horticature and shall be fluent in English. 1.04 MAINTENANCE PERIOD A. Coeffinationally enaintain all areas involved in this Construct during the progress of the Work and during the ministerance period until final acceptance of the Work by the Owner's authorised rep-resentative. Otterfix for Start of Mahrtamanca: Maintexance period shall not start until est elements of con-struction, planting, and in/getton for the sector Project leve Substantially Complete. Project will not be represented not merimanico phases unless specifically exhibitized in writing by Owner's authorized informanication. ernd complete for the maintanence parted to begin traines all plants have been installed with malch and any other surface protection in piece. If such critisate are not to the satisfaction of the Landscape Architect, in filled critication with he issued to the Contractor to establish the effective happingsing date on the parted. PART 2 - MATERIALS

Commencement of traintenance (Pre-maintenance).

At forty five (46) day mild point of maintenance period.

Completion of maintanance period - Fisel West-through: no more than ten (10) days prior to see of maintanance period.

E. All conditions extend in Landerson Planting Continue (1950) analy havein

1.07 FINAL ACCEPTANCE OF THE PROJECT

A. Prior so the fatte of the Final Wallschenugh, excelled free: the landscape Architect appropriet re-producible paints and incord information from the job record ant all changes made to all disav-legs during construction, labels said priors. "Becord Densings", and deliver to the Landscape And text and an required to any rocal Agency.

A. All restarbit used must either conform to Lendscape Plancing Specifications in other sections or otherwise his acceptable to the Owner. Give the Owner monthly record of all instabilities, insecti-cides and disease control chemicals was to.

Tree/Shrub/Groundcover Fertilizer: per planting specification

PART 3 - EXECUTION 3.01 MAINTENANCE

A. Kamp all areas from of debrts and weekled and calcivered at intervals of not more than (10) days. Include watering, ediging, trimming, furidisesion, spraying and past control.

THEE AND SHIRUS CASE

The objectives of shruls pruning are the same as for bruss. Do not clip into balled or bosed forms unless required by the design and directed by the Land-scope Architect.

- Make all pruning cuts to feteral prenches or bucts or flush with the trunk
- Scalding and Guying: Remove scales and guys as soon as they are no longer needed, teapert stakes and guys to prevent girdling of trunks or branches and to prevent rebibling that causes beth securids. Replace all broken stakes and se-with specified majorities.

- Avoid applying fartiSter to the root ball and base of main stem. Seread evenly under giant to drip line.
- After spelication, water thoroughly.
- F. Auplacement of Plants
- Replace deed, crying and missing plants and plants of a size, condition and variety ac-ceptable to Owner's authorized narraenastive as Contractor's assense.

Watering: Water enough that moisture pendurates throughout root zone and only as frequency as necessary to method his healthy growth.

C. Fertilization: Fertilize at Specified under JUS2-Tree and Shrub Care.

O. Remove trask weekly.

Edge groundcover to keep in bounds and brim top growth as necessary to ochieve an overall even appearance.

3.04 IERIGATION SYSTEM

A. Set and program automatic controllers for steadoral water requirements. Give Owner's bothor-bad representative keys to controllers and written instructions on how to tarm off system in case of emergency.

Contractor is responsible for the complete operation and maintenance of the irrigation system except as noted herein [See 1.05 - Guarantee and Replacement].

1. Check and flush 1/2" polyethylane fines once every week.

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2. Church drive annictions could exerce people for person

4. Clear weed growth from around emitter areas. 5. Check exposed tubing for leaks and kinking.

6. Check pressure regulator for correct pressure setting (PSI).

Check controller program for correct operation. Adjust automatic controller program
(four times per year) to accornancions seasonal water requirements. Give stemer keys
to controller and extreme instruction on how to be time of eyetime in case of enveraged.

erin o carroll landscape architect



DEPOT Fairview Av FUEL 180 North 1

> AND MAINTENANCE ECIFICATIONS PLANTING A

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