SOUTH SAN FRANCISCO UNIFIED SCHOOL DISTRICT

PROJECT: 06-25

BID ADDENDUM NO. 1

PROJECT: **SSFUSD Alta Loma MS: Partial Storm Drain Replacement**
DATE: October 24, 2025

OWNER: South San Francisco Unified School District
398 B Street,
South San Francisco , CA 94080

DSA FILE NO.: NA

DSA APP. NO.: NA

All prospective bidders are hereby notified that the plans and specifications for the project have been modified as outlined below. This Addendum must be attached to and considered part of the plans and specifications. Bidders are required to acknowledge receipt of this Addendum on the Bid Form. In the event of any discrepancies with previous addenda or communications, this Addendum shall take precedence. It is the bidder's responsibility to inform all subcontractors, both those solicited for bids and those from whom bids are accepted, of the changes included in this Addendum.

Addendum No. 1 provides the following:

UPDATED DOCUMENTS

1. **ITEM NO. 01**

   Bidders are required to include a utility locator service company to identify possible conflicts with Landscape irrigation lines at the general location shown in the attached drawings. Note that the proposed new line will run laterally from asphalt yard through dirt, and when it takes an angled path towards the CB-10, some conflict is anticipated that needs to be avoided.

   Attachment file- 1998 Project Landscape project files with notes and current photos

RFI RESPONSES

1. **ITEM NO. 01**

Allowability of Class B Contractor on the Project.:

Question: Can you please remove Class B contractor allowability to bid on this project. None of the work is Class B work. All of the work is class A or C-36?

Answer: Class A Contractor is anticipated for this project.
Because this work is exclusively within the District property and does not include any work in the Main, Class B Contractor may take this project on, only when a majority part of the work is done by Specialty Contractors of C classes, including but not limited to C-36, 34 and 42.

Bids from Contractors without active licenses will be considered non-responsive.

ATTACHMENTS:

1: Excerpt of 1998 Landscape Project with current photos and notes

END OF BID ADDENDUM ITEMS

GENERAL NOTES:

1 Contractor shall verify all existing site conditions prior to beginning construction Notify Owner's Representative of any discrepancies

2 The Contractor shall be responsible for any damage to existing utilities, pavement or improvements. All repairs shall be made at no expense to the Owner.

3 The Contractor shall notify the Owner's Representative prior to beginning construction and shall keep the Owner's Representative informed of progress of work throughout landscape construction.

4 All work shall be installed in conformance with all applicable local codes and ordinances by experienced workmen and a licensed Landscape Contractor who shall obtain all necessary permits and pay all required fees

5. Any requirement in the Plans and / or Notes and Specifications shall be considered binding In case of discrepancies, the Owner's Representative shall be contacted immediately

6 There shall be regular site visits by the Owner's representative throughout landscape construction. A site review to begin maintenance period, and final site review will be required

7 Execute weekly cleaning of the site throughout the contract period to remove all waste materials, rubbish, plant containers, etc

8 See Civil Engineer's improvement plans for all general grading information and notes.

9 All written dimensions supersede scaled distances All dimensions are taken from back of curb, face of building, face of wall finish or face of fence

10 Upon award of bid and prior to any construction, the Contractor shall perform the Percolation and Soils Testing as specified in the Planting Notes, if these tests have not already been performed If drainage is found to be insufficient, or soils test results identify conditions requiring extraordinary or corrective measures, the Contractor shall immediately alert the Owner's Representative and Landscape Architect of any such problems, for corrective action and/or additional drainage treatment

GRADING NOTES:

1 See General Notes and Civil Engineer's Grading Plans for additional information

2 Rough grading and site drainage shall have been completed prior to Landscape Contractor's work. Verify all existing site conditions and report any discrepancies to Owner's representative

3. Landscape Contractor shall be responsible for finish grading Verify positive drainage at a minimum 2% slope in landscape areas away from buildings and 1% on paved surfaces Ground cover areas shall be 1 - 1/2" and lawn areas 1" below top of adjacent paving, headers, or curbs No low spots which hold standing water will be permitted

4 All salvageable, clean top soil from areas to be paved shall be stockpiled to be used as fill in planting areas

CONSTRUCTION NOTES:

1 Concrete work Install concrete work as detailed Layout of concrete work shall be as shown on construction plans and as specified below

A. Layout shall be approved by Owner's representative/Landscape Architect prior to concrete pour Contact Owner's Representative two days in advance

2 Paving Installation·

A. Concrete Materials: For paving, concrete shall be a 5 sack mix producing concrete having a 28 day strength not less than 2500 psi For walls concrete shall be 6 sack mix

I Portland cement Conforming to ASTM. C150, Type I or II Total alkali content not to exceed 0.60%. Deliver cement and all materials in labeled, unopened containers

II Form coatings Standard product resin type sealer Do not use form oil or any oil-bearing material

III Concrete aggregates Conform to ASTM C33 Maximum 3/4" size aggregate

Base course aggregates. Conform to ASTM C33 Maximum 3/4" size aggregate

IV Water Clean and potable

V Forms Form material is Sub-contractor's option

VI Admixtures or finish retardants For workability, where approved by Owner's representative, and admixture may be added in accordance with manufacturer's recommendations Obtain approval of material prior to use

VII Expansion joint material 3/8" thick pre-molded joint filler, conforming to ASTM D1751 or D1752

VIII Reinforcing steel

Bars Deformed, intermediate grade, conforming to ASTM A615, Grade 40 for sizes # 5 and smaller

Tie wire Annealed copper-bearing steel wire, minimum 16 gauge

IX Welded wire mesh 6" x 6" x #10

X Liquid curing compound as required Thompson's approved standard product fugitive resin type, or equal conforming to ASTM C309, free of wax or oil, compatible with subsequently applied finishes or coverings, not deleterious to bond of cementitious materials to aggregate

XI Patching mortar One part Portland cement or equal (part white and part gray adjusted to match color of surrounding concrete) and 2-1/2 parts sand with the least water required to produce a workable mass Rework this mortar until it is the stiffest consistency that will permit placing

B Concrete Installation

I Construct the subgrade true to grade and detail as shown Compact subgrade to 90% maximum density at optimum moisture content

II Set forms with upper edges true to line and grade Properly brace or tie together to maintain position and shape Remove side forms not sooner than 12 hours after finishing has been completed Form curves and straight sections for smooth and continuous lines Secure Owner's representative's approval of subgrade compaction and moisture content and form alignment prior to pouring concrete.

Embedded items Do not place any concrete until all inserted items such as sleeves, anchor bolts, wood, nails, dowels, etc are installed in their proper locations, secured against displacement, cleaned, inspected and approved Furnish ties and supports necessary to keep embedded items in place when concrete is placed

III Weather Do not place concrete during rain unless approved measures are taken to prevent damage to concrete

IV Deposit concrete evenly, consolidate with mechanical vibrators, particularly at side forms and strike off to indicated elevations and contour

V Concrete finishes shall be even surfaces of uniform texture and appearance, free of unsightly bulges, depressions and other imperfections and as follows.

Medium broom finish Broom with coarse bristled broom across width of flatwork to a uniformly roughened surface Finished surface and edges shall be clean with uniform and reasonably straight lines Submit Sample

Joints Joints shall be tooled with one-quarter inch (1/4") radius edging tool or as shown on plans

Edges Edge slabs one-half (1/2") inch radius, edge curbs and other structures three-quarters inch (3/4") radius unless otherwise shown

Remove flange marks Remove flange marks resulting from tooling of edges by carefully trowelling out, unless specifically detailed in plans

3 Hardware

A. All metal bolts, nails, screws and other hardware shall be galvanized steel, sized as shown on the plans

B All hardware for metal gates to be approved by Owner's representative

4 Metal

A. Provide complete shop drawings for all metal fabrication

C. Metal fence Fabricated for installation in configuration shown on plans Posts shall be equally spaced in each straight section at approx 6'-0" o c Verify dimensions in field

D Fabricate all exterior steel work in shop, including all welding All metal work shall conform to ASTM specifications Miter corners and angles of moldings or frames unless otherwise noted

E. Deliver fence to site with all welded connections, burrs and rough surfaces ground smooth, cleaned and galvanized

G. Installation Set all work plumb, true, rigid and neatly trimmed out as detailed Provide all necessary connections, anchor bolts etc required to fit metal with other work

Protect all metal from damage to surface, profile or to shape from shop through construction to final acceptance of project

I All defective work shall be repaired or replaced as directed Owner's representative

J All exposed site metal for utilities, irrigation, etc, shall be painted with one coat brown rustproof paint

K Fence to be vinyl coated where shown on plans

5 Basketball Court

A. Standards

I Contractor shall obtain a geotechnical soil investigation/report from a Geotechnical Engineer The report shall include subgrade preparation, base material and asphalt recommendation Submit report and asphalt detail to Owner for approval prior to installation

B Materials

I Asphalt Hot mix, Asphalt institute type II, mix c, thickness as indicated Use 60-70 penetration grade liquid asphalt, proportioned to the aggregates between 5% and 6.5%

II Base course shall be maximum 1/2" size aggregate.

C. Installation

I Preparation of subgrade Scarify and sprinkle the subgrade and thoroughly compact by rolling to obtain a smooth, hard, even surface of approved bearing to receive the asphalt concrete surfacing Finish the subgrade to the required elevations with due allowance for the thickness of asphalt concrete surfacing material, including aggregate base material Remove and replace with approved materials all of the subgrade which fails to meet compaction requirements If soil sterilization is required, use caution to insure that adjacent planting areas are not damaged

II Place and compact aggregate base material to required depth and compaction

III Placing asphalt concrete Deliver mixture to the job site in suitable dump trucks covered with tarpaulins until unloaded Upon arrival, mixture shall have a temperature of not less than 280 F Do not place asphalt concrete when the atmospheric temperature is below 50 F, nor during fog or rain

VI Perform spreading in a manner to require the least amount of handling After the surfacing material has been spread to the proper depth, roll until the surface is hard, smooth, unyielding and true to elevations and thickness indicated

V Roll surfacing in at least two directions Lap all rollings so that no roller marks remain The finished surface shall show no greater variation that 1/4" when checked with a 10 foot straightedge, except where breaks in grade are required Thoroughly hand tamp area inaccessible to power rollers Perform hand spreading, where necessary, with hot shovels, forks and rakes in a manner causing the least possible handling of the mixture

VI Flood test Flood the surface with hoses connected to project water supply Fill all depressions, where the water ponds to a depth of more than 1/4", with edges of the fill made smooth

VII Basketball court paving (Bid Alternate) Finish surface shall be Plexipave system or Laykold or other equal color finish system for asphalt paving Color and installation to be as detailed and as per manufacturer's instructions

VIII Playing lines Allow the finish coats to cure before painting lines Two inch width playing lines shall be accurately located and marked by snapping chalked line Laytex line paint (white) shall be applied only to clean, dry surfaces Ragged lines will not be accepted

6 Contractor Staging and Phasing

Contractor shall provide construction schedule, phasing and staging plans to Owner for approval prior to beginning construction Contractor shall provide temporary security fencing between school area in use and areas under construction Construction scheduling shall allow for the continued use of the existing asphalt play area and basketball courts during construction activities When basketball court paving construction begins, contractor shall relocate temporary security fencing to allow for continued use of other existing asphalt areas during construction Basketball court construction shall be limited to the shortest duration possible and fencing around the existing courts will not be allowed until actual construction in that area will take place Location of staging area for equipment and materials must be approved by Owner prior to use and secured with a temporary, lockable security fence system Construction vehicle and material access points must be approved by Owner prior to use Contractor shall take all precautions necessary to ensure construction operations do not interfere with the safe and continued use of the school facilities and roadways at all times

LANDSCAPE IMPROVEMENT PLANS

ALTA LOMA SCHOOL

SOUTH SAN FRANCISCO, CALIFORNIA

PREPARED FOR: DEPARTMENT OF PARKS & RECREATION
CITY OF SOUTH SAN FRANCISCO
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SOUTH SAN FRANCISCO, CA 94083
650-877-8560

PREPARED BY: MELVIN LEE ASSOCIATES
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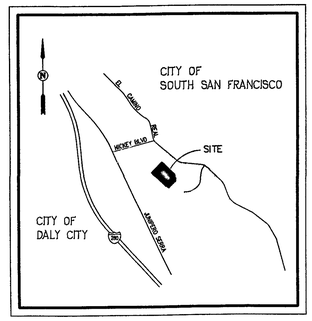

VICINITY MAP
NOT TO SCALE

SHEET INDEX:

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CONSTRUCTION DETAILS	L-4.2		

BID ALTERNATE DESCRIPTIONS:

•LIST AND PROVIDE COST FOR ALL ITEMS SEPARATELY. NOTE THAT BID ALTERNATE PLAN DRAWINGS ARE SHOWN ON LAYOUT PLAN ONLY FIELD ADJUST IRRIGATION AND PLANTING TO ACCOMMODATE ANY BID ALTERNATE THAT IS AUTHORIZED

•BASE BID SHOULD INCLUDE ALL ITEMS SHOWN ON PLAN THAT ARE NOT LABELED AS BID ALTERNATES

BID ALTERNATE 1:
INSTALL FULL PARKING LOT AS SHOWN ON PLAN SEE ALSO CIVIL PLANS. IF BID ALTERNATE 1 IS NOT AUTHORIZED, THIS AREA TO REMAIN FALLOW

BID ALTERNATE 2:
INSTALL SMALL PARKING LOT AS SHOWN IN UPPER LEFT CORNER OF LAYOUT PLAN AND LABELED BID ALTERNATE 2. SEE ALSO CIVIL PLANS. IF BID ALTERNATE 2 IS NOT AUTHORIZED, THIS AREA TO REMAIN FALLOW

BID ALTERNATE 3:
SEE BID ALTERNATE DESCRIPTIONS A, B, AND C ON DETAIL D SHEET L4.2 FOR BASEBALL DIAMOND BACKSTOP AND DUGOUTS

BID ALTERNATE 4:
INSTALL DECOMPOSED GRANITE RUNNING PATH AT PERIMETER OF TURF AREA AS SHOWN ON PLAN AND LABELED BID ALTERNATE 4 SHIFT SOCCER FIELD, CONCRETE WALK AND BLEACHERS TO ACCOMMODATE WALK AS NOTED ON PLAN FIELD ADJUST IRRIGATION SYSTEM TO WORK WITH ADDED PATH AND PROVIDE COMPLETE HEAD TO HEAD COVERAGE WITHOUT OVERSPRAY IF BID ALTERNATE 4 IS NOT AUTHORIZED, INSTALL TURF AND CONCRETE MOW BAND AS A PART OF THE BASE BID AS SHOWN ON PLANS

BID ALTERNATE 5:
INSTALL LONG JUMP FACILITY AS SHOWN AND DETAILED ON PLANS AND LABELED AS BID ALTERNATE 5 IF BID ALTERNATE 5 IS NOT AUTHORIZED, INSTALL TURF IN THIS AREA AS A PART OF THE BASE BID

BID ALTERNATE 6:
RE-PAVE WALKWAY IN FRONT OF BUILDING AS SHOWN ON PLAN AND LABELED AS BID ALTERNATE 6 IF BID ALTERNATE 6 IS NOT AUTHORIZED, EXISTING WALK IS TO REMAIN

BID ALTERNATE 7:
REMOVE EXISTING CHAINLINK FENCE AND INSTALL NEW FENCE AS SHOWN AND DETAILED ON PLAN AND LABELED BID ALTERNATE 7. INSTALL LOCKABLE GATES AT PATHWAY CONNECTIONS TO PARK SEE PARK IMPROVEMENT PLANS AND SITE FOR FULL LENGTH OF NEW FENCE AND SECOND PATH/GATE LOCATION IF BID ALTERNATE 7 IS NOT AUTHORIZED, EXISTING CHAINLINK FENCE SHALL REMAIN.

BID ALTERNATE 8:
INSTALL NEW ASPHALT TOP COAT OVER EXISTING PAVING TO MATCH NEW PAVING AND RE-STRIP PER OWNER'S INSTRUCTIONS

RESUBMITTAL 3-8-99

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COVER

sheet no.

Superceded by new parking structure

BID ALTERNATE 2 ⚠
SMALL PARKING LOT SCALE: 1"=30'-0"

EXISTING FENCE
NEW 6' CHAIN LINK FENCE BEHIND CURB - ATTACH TO (E) FENCE AT CORNER SEE G-L4.2
H.C. PKG - INSTALL STRIPING, SIGNS & LOGO PER CODE & CITY STD.
BASEBALL DIAMOND
INSTALL HC CURB RAMP PER CODE & CITY STD'S.
NEW CHAIN LINK FENCE - BID ALT #2 (F L4.2)
NEW CURB SEE CIVIL PLANS
STRIPING TYPICAL
NEW PARKING LOT - 76 SPACES BID ALTERNATE 2
EXISTING PAVING EDGE
CONNECT NEW FENCE TO (E) AT CORNER
EXISTING OPEN FIELD
7'R, 9' TYP., 33' TYP., 26' TYP., 20' MIN., 3'R, 2'R, 13', 4', 6', HC

EXISTING FENCE TO REMAIN
20'
330'
L L4.1 TRASH RECEPTACLE
2', 6', 18', 10', 40'-0" ↕CENTER
55'R
G L4.1 BLEACHERS (24' X 5 ROWS)
54'
18', 12', 18', 30'R
H L4.1 CONCRETE WALK
195'-0", 132'-0", 60'-0", 6', 12'
30'R
55'R
IF BID ALT #4 IS APPROVED CONTRACTOR SHALL SHIFT SOCCER FIELD 6' LEFT TO AVOID CONFLICT WITH PATH - KEEP BLEACHERS CENTERED ON FIELD - SUBMIT SHOP DWG'S FOR APPROVAL SHOWING CONC. WALK, FIELD & BLEACHER ADJUSTMENT.
C L4.2 SKINNED INFIELD
A L4.3 TRASH RECEPTACLE
G L4.1 BLEACHERS (24' X 5 ROWS)
CONC. MOW BAND FOR USE IF BID ALT. 4 IS NOT APPROVED (H L4.2)
TURF
DG. RUNNING PATH - BID ALT #4 CLF HOT APPROVED THEN INSTALL TURF TO MOW BAND (I L4.1)
INSTALL WEED CONTROL POLYPROPYLENE FABRIC (PERMEABLE) BARK MULCH (2" DEEP) TYPICAL BELOW (E) TREES
20' TYPICAL
CONC. MOW BAND FOR USE IF BID ALT 4 IS NOT APPROVED (H L4.2)
H.C. PKG. INSTALL STRIPING, LOGO & SIGNS PER CODE & CITY STD
EXISTING BACKSTOP TO REMAIN
EXISTING LOG BORDER TO BE REMOVED
NEW CURB & FENCE SEE CIVIL PLAN F-L4.2
CONNECT NEW FENCE TO EXISTING
SEE ABOVE PLAN FOR BID ALTERNATE #2 IN THIS AREA
NEW CURB - SEE CIVIL PLANS. INSTALL NEW 6' CHAIN LINK FENCE BEHIND CURB SEE G-L4.2
REMOVE (E) C.L. FENCE
OPENING IN FENCE
NEW CHAIN LINK FENCE - BID ALT #1 (F L4.2)
EXISTING EDGE OF PAVING
NEW CONC. CURB SEE CIVIL PLANS & F-L4.2
NEW ASPHALT PARKING LOT - SEE CIVIL PLANS FOR DETAILS - BID ALTERNATE #1
EXISTING EDGE OF PAVING
STRIPING TYP. SEE CIVIL PLANS
NEW PARKING LOT - 199 SPACES BID ALTERNATE 1
MATCHLINE A
MATCHLINE A
EXISTING EDGE OF PAVING
CONNECT NEW FENCE TO EXISTING AT CORNER
EXISTING ROAD, RE-PAVE PER CIVIL PLANS
END FENCE AT RADIUS POINT
END CURB ALIGN WITH (E) SIDEWALK
5'R, 18', 20' MIN., 3'R, 11'R, 12'R, 26', 29'R
2'-6"R, 20' MIN., 3'R

PITCHERS MOUND RAISED 10"
3%, 3', 5', 6', 20', 10', 18', 10', 90'-0", 60'-0", 40'-0"
CONC. PAD
ALIGN END OF WOOD BACKSTOP
TURF
H L4.1 CONC. PAD
L L4.1 TRASH RECEPTACLE
C L4.1 BENCH TYP.
G L4.1 BLEACHERS (21' X 5 ROWS)
INSTALL H.C CURB RAMP PER CODE & CITY STD'S.
NEW EDGE OF PAVING (ASPHALT)
EXISTING EDGE OF PAVING
EXISTING FENCE & BACKSTOP - SEE BID ALT. 3 (D L4.2)
EXTEND 6' CHAINLINK FENCE FOR 70' ON THIS SIDE FOR BID ALT. 3 ONLY. (70' PAST NEW BACKSTOP FENCE DETAIL D-L4.2)
ALIGN
6', 39'-0", 50'-0" TYPICAL, 10' TYPICAL

REMOVE (E) BLEACHERS & PAVING TYP. ⚠
G L4.1 BLEACHERS (21' X 5 ROWS)
CONCRETE WALK REMOVE (E) CURB & PAVING TYP. ⚠
H L4.1
40'-0", 20'-0", 10', 64'-0", 28'R
SEE CIVIL PLANS FOR DRAIN CONNECTION
1% MIN.
25'R, 12', 12'R, 2%
LONG JUMP PIT - BID ALT #5 (E L4.2)
CONC MOW BAND (H L4.2)
36'-0", 2%, ALIGN, 75'R
REMOVE ALL (E) FITNESS EQUIP, SAND ETC. & REGRADE FOR POSITIVE DRAINAGE ⚠
NEW ASPHALT - SAWCUT ALONG (E) ALIGN W/(E) EDGE OF PAVING
BASKETBALL COURT (A L4.1)
BASKETBALL EQUIPMENT (B L4.1)
RE-PAVE EXISTING WALK DELETE PLANTING CUT OUT BID ALTERNATE #6 (H L4.1)
20'R, 12', 8'
NEW CHAIN LINK FENCE - BID ALT. #7 (G L4.2) CONTINUE FENCE ALONG PROP. LINE NORTH TO LOCATION NOTED & SOUTH TO MEET (E) PROP LINE FENCE PERPENDICULAR TO NEW FENCE, INCLUDE LOCKABLE GATES AT 2 PATH CONNECTIONS (SEE ALTA LOMA PARK PLANS FOR SECOND GATE LOCATION)
(E) FENCE TO REMAIN
END CHAINLINK FENCE (BID ALT #7) (G L4.2)
LOCKABLE GATE - BID ALT #7 (G L4.2)
ALIGN WITH WALK AT PARK

BID ALTERNATE 1 ⚠
LARGE PARKING LOT

0 15 30 60' 90

REVISIONS
⚠ 3-8-99 REVISE PKG. LOT LAYOUTS - CLARIFICATIONS - FENCING

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ALTA LOMA SCHOOL
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SOUTH SAN FRANCISCO SAN MATEO COUNTY CALIFORNIA

MELVIN LEE ASSOCIATES ASLA
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CALIFORNIA REGISTERED LANDSCAPE ARCHITECT
CALIBERKING DESIGNS

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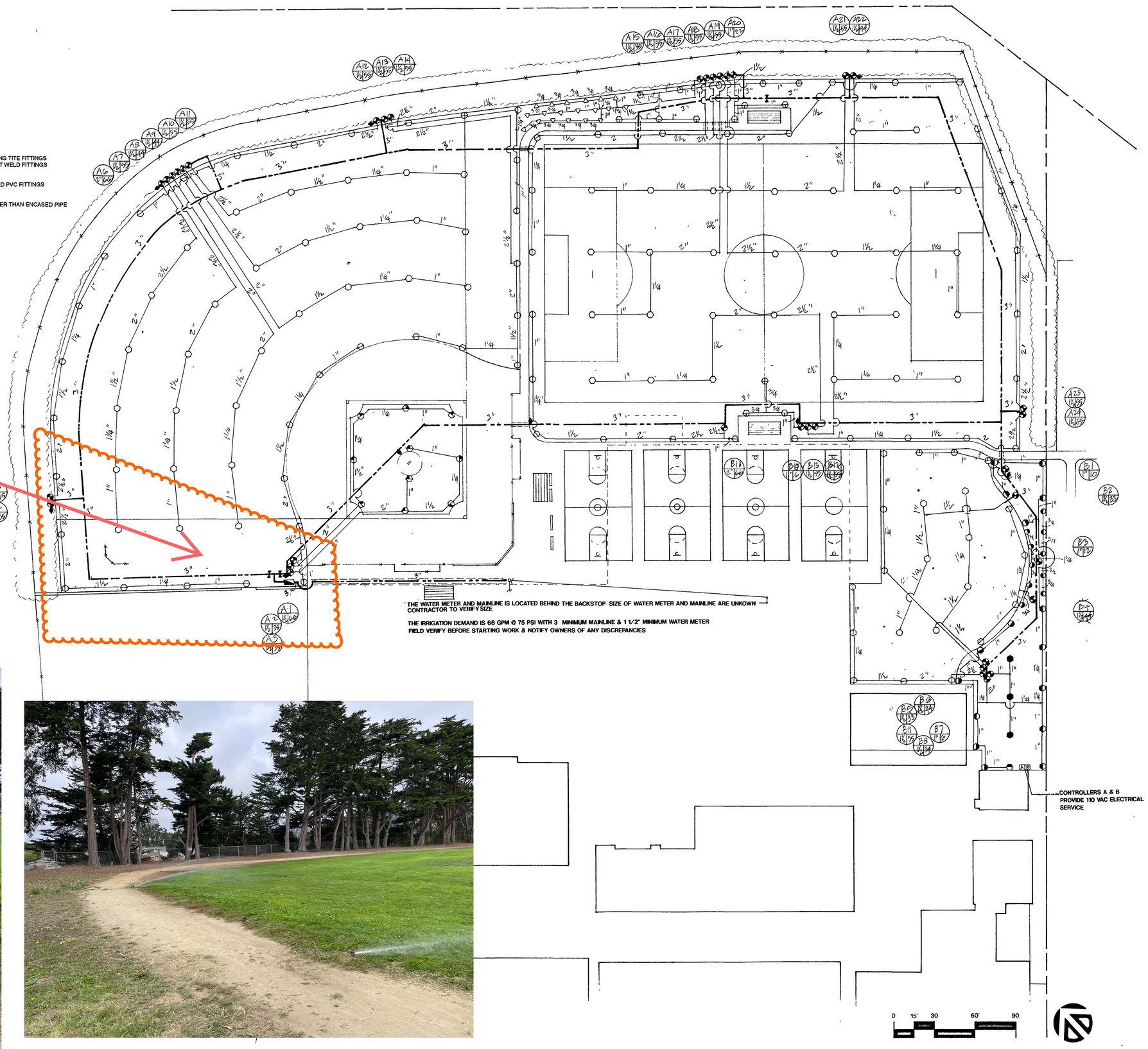
LAYOUT PLAN

sheet no.
L1.1

LEGEND

KEY	MANUFACTURER/MODEL/DESCRIPTION
	HUNTER I 25 ADS 10 PART CIRCLE POP-UP LAWN ROTOR
	HUNTER I 25 36S 10 FULL CIRCLE POP-UP LAWN ROTOR
	HUNTER I 20 ULTRA ADS 2 0 PART CIRCLE POP-UP LAWN ROTOR
	HUNTER I 20 ULTRA 36S 2 0 FULL CIRCLE POP-UP LAWN ROTOR
	HUNTER I 25 ADS 7 PART CIRCLE POP-UP LAWN ROTOR
	HUNTER PX 06 10A 6" ADJUSTABLE POP-UP TURF SPRAY
	HUNTER PX 06 17A 6" ADJUSTABLE POP-UP TURF SPRAY
	HUNTER PGH ADV 05 PART CIRCLE POP-UP SHRUB ROTOR
	HUNTER PGH 36V 05 FULL CIRCLE POP-UP SHRUB ROTOR
	HUNTER PX 06 17A ADJUSTABLE POP-UP SHRUB SPRAY
	RAINBIRD GB SERIES REMOTE CONTROL VALVE
A B	RAINBIRD ESP LX 24 STATIONS WALL MOUNT CONTROLLER-LOCATE IN CONCESSION BLDG
	RAINBIRD 44LRC LOCK VINYL TOP QUICK COUPLING VALVE
	STOCKAM BIIO GATE VALVE LINE SIZE
	3" FEBCO 825YD REDUCED PRESSURE BACKFLOW PREVENTER
	MAIN LINE — 2 1/2" OR LARGER CLASS 200 PVC RING TITE PLASTIC PIPE WITH CLASS 200 RING TITE FITTINGS; 2" OR SMALLER SCHDULE 40 PVC PLASTIC PIPE WITH SCHEDULE 40 SOLVENT WELD FITTINGS; 24" MINIMUM BURY
	LATERAL LINE — 1120 CLASS 200 PVC PLASTIC PIPE WITH SCHEDULE 40 SOLVENT WELD PVC FITTINGS; 18" MINIMUM BURY
	SLEEVE UNDER PAVEMENT — 1120 CLASS 200 PVC PLASTIC PIPE - 2 1/2" TIMES LARGER THAN ENCASED PIPE; 24" MINIMUM BURY
A-1 / 1½"/35	CONTROLLER & STATION; APPROXIMATE GALLONS PER MINUTE; SIZE OF VALVE



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ALTA LOMA SCHOOL
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CALIFORNIA LICENSE NO. 1 1

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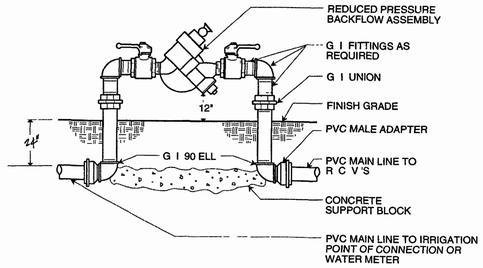
IRRIGATION PLAN

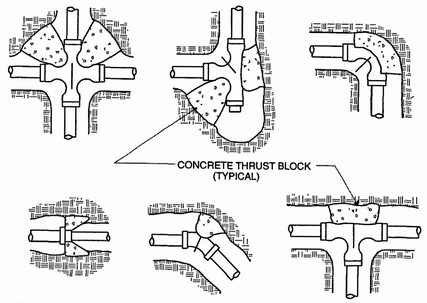
sheet no.
L2.1

NOTE. EVENLY COAT G I FITTINGS EXPOSED TO SOIL AND CONCRETE WITH 3M SCOTCHRAP PIPE PRIMER AND THEN WRAP WITH 3M SCOTCHRAP NO. 51 BLACK PVC TAPE (3/4"OVERLAP) PAINT ALL ABOVE GROUND PIPES AND FITTINGS WITH TWO COATS RUSTOLEUM BROWN PAINT



REDUCED PRESSURE BACKFLOW ASSEMBLY DETAIL

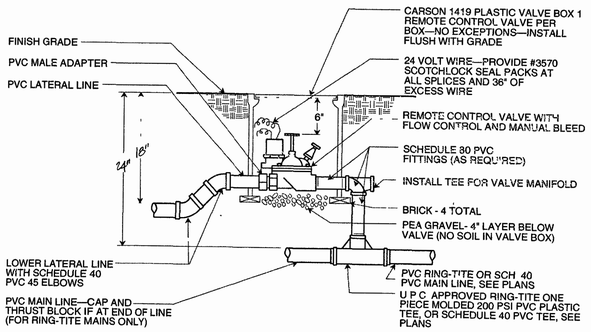
NOT TO SCALE



NOTE INSTALL MAIN LINE AS PER MANUFACTURER'S GUIDE SIZE OF CONCRETE THRUST BLOCKS SHALL BE PER PIPE MANUFACTURER'S INSTALLATION GUIDE

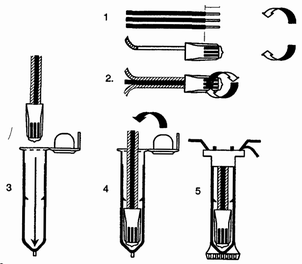
TYP. GASKETED PIPE THRUST BLOCK DETAIL

NOT TO SCALE



REMOTE CONTROL VALVE DETAIL

NOT TO SCALE

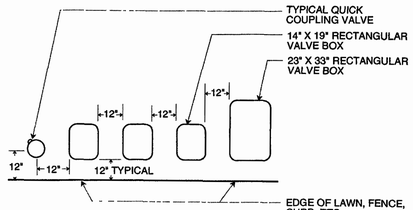


INSTRUCTIONS

1 STRIP WIRES APPROXIMATELY 1/2" (12 7MM) TO EXPOSE WIRE
2. TWIST CONNECTOR AROUND WIRES CLOCKWISE UNTIL HAND TIGHT, DO NOT OVERTIGHTEN
3. INSERT WIRE ASSEMBLY INTO PLASTIC TUBE UNTIL WIRE CONNECTOR SNAPS PAST LIP IN BOTTOM OF TUBE
4 PLACE WIRES WHICH EXIT TUBE IN WIRE EXIT HOLES AND CLOSE CAP UNTIL IT SNAPS
5 INSPECT FINAL SPLICE ASSEMBLY TO BE SECURE AND FINISHED

WEATHERPROOF SPLICE ASSEMBLY DETAIL

NOT TO SCALE



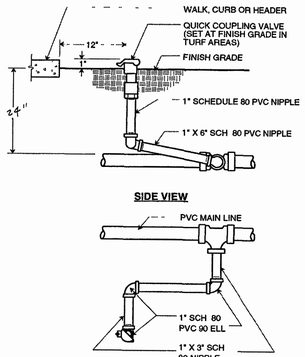
TOP VIEW

NOTES

1 CENTER VALVE BOX OVER REMOTE CONTROL VALVE TO FACILITATE SERVICING VALVE
2 SET BOXES 1" ABOVE FINISH GRADE OR MULCH IN GROUND COVER / SHRUB AREAS AND FLUSH WITH FINISH GRADE IN TURF AREAS
3 SET RCV AND VALVE BOX ASSEMBLY IN GROUND COVER / SHRUB AREAS WHERE POSSIBLE INSTALL IN LAWN ONLY IF GROUND COVER DOES NOT EXIST ADJACENT TO LAWN
4 SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE
5 AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOXES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES

VALVE BOX INSTALLATION DETAIL

NOT TO SCALE

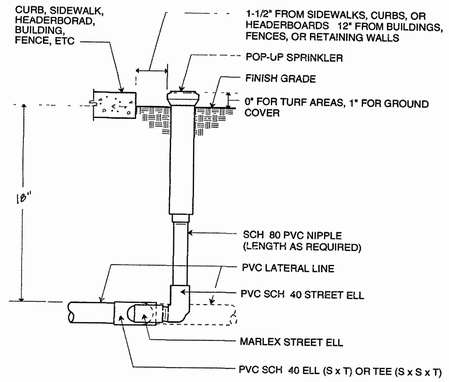


SIDE VIEW

TOP VIEW

1" QUICK COUPLING VALVE

NOT TO SCALE

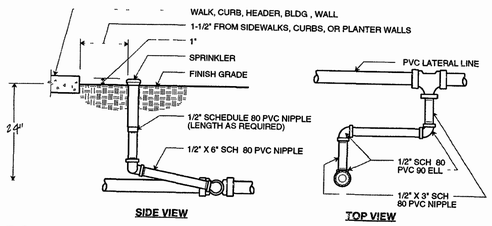


POP-UP SPRINKLER DETAIL

NOT TO SCALE

NOTES

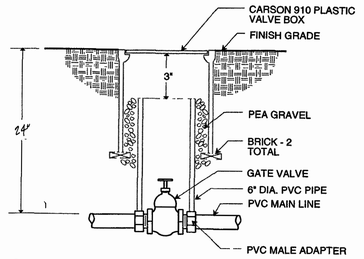
1 SET SPRINKLERS 2" ABOVE FINISH GRADE AT TIME OF INSTALLATION— LOWER TO FINISH GRADE WHEN TURF IS WELL ESTABLISHED
2 FOR 1" AND 3/4" SPRINKLERS USE 1" AND 3/4" RISERS RESPECTIVELY



SIDE VIEW TOP VIEW

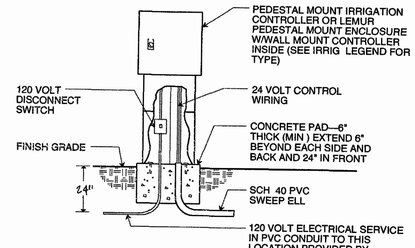
POP-UP ROTOR SPRINKLER DETAIL

NOT TO SCALE



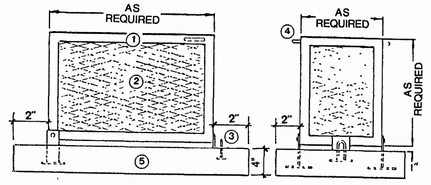
GATE VALVE DETAIL

NOT TO SCALE



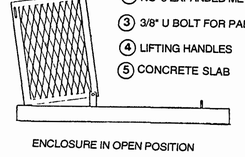
PEDESTAL MOUNT CONTROLLER DETAIL

NOT TO SCALE



SIDE VIEW FRONT VIEW

LE MUER ENCLOSURE



1 FRAME CONSTRUCTED OF 3/16" STEEL ANGLE
2 NO 9 EXPANDED METAL
3 3/8" U BOLT FOR PADLOCKING
4 LIFTING HANDLES
5 CONCRETE SLAB

ENCLOSURE IN OPEN POSITION

LE MUER BACKFLOW PREVENTER ENCLOSURE

IRRIGATION NOTES:

1 Irrigation system shall be installed in conformance with all applicable local codes and ordinances by experienced workmen and a licensed Landscape Contractor who shall obtain all necessary permits and pay all required fees

2 The Contractor shall be responsible for any damage to existing facilities caused by or during the performance of his work All repairs shall be made at no cost to the Owner

3 This design is diagrammatic Install parallel lines in a common trench with minimum horizontal distance of 4" and lines not one above the other Snake pipe in trenches All piping, valves, etc , shown within paved areas is for design clarification only and shall be installed in planting areas where possible Avoid any conflicts between the sprinkler system, planting and architectural features

4 Do not willfully install the sprinkler system as shown on the drawings when it is obvious in the field that obstructions, grade differences or differences in the area dimensions exist that might not have been considered in the engineering Such obstructions or differences should be brought to the attention of the Owner's authorized representative In the event this notification is not performed, the Contractor shall assume full responsibility for any revisions necessary

5 It is the responsibility of the Contractor to familiarize himself with all grade differences, location of walls, retaining walls etc. He shall coordinate his work with the General Contractor and other Subcontractors for the location and the installation of pipe sleeves through walls, under roadways, paving, structures, etc

6 Due to the scale of the drawings, it is not possible to indicate all offsets, fittings, sleeves, etc , which may be required The Contractor shall carefully investigate the structural and finished conditions affecting all of his work and plan his work accordingly, furnishing such fittings, etc , as may be required to meet such conditions Drawings are generally diagrammatic and indicative of the work to be installed The work shall be installed in such a manner as to avoid conflicts between irrigation system, planting, and architectural features

7 The Contractor shall flush and adjust all sprinkler heads for optimum performance and to prevent overspray onto walks, roadways and/or buildings as much as possible This shall include selecting the best degree of arc to fit the existing site conditions and to throttle the flow control at each valve to obtain the optimum operating pressure for each system

8 When vertical obstructions (street lights, trees, fire hydrants, etc) interfere with the spray pattern of the heads so as to prevent proper coverage, the Contractor shall field adjust the sprinkler system by installing a quarter, third or half circle head at the sides of the obstruction so as to provide proper coverage All adjustments shall be made at no additional cost to the owner

9 Notify Landscape Architect of any other aspects of layout which will provide incomplete or insufficient water coverage of plant material and do not proceed until his instructions are obtained

10 All sprinkler heads shall be set perpendicular to finish grade of the area to be irrigated unless otherwise designated on the plans

11 Sprinklers located where low head drainage will cause erosion and excess water run-off, use pop-up bodies with an integral check valve, and shrub risers with King Bros CV series check valve in lieu of Schedule 80 coupling

12 Electrical Contractor to supply 120 volt A C (2 5 AMP) service to controller location Contractor to make final connection from electrical stub-out to controller Paint conduit to controller with 2 coats Rustoleum brown paint if installed outdoors, color to be approved by Owner's representative 120 volt A C J-Box to controller by others All 120 volt A C and 24 volt connections to be made by Contractor

13 Each controller shall have its own independent ground wire

14 Program irrigation controller(s) to operate between the hours of 10 00 P M and 7 00 A M

15 Valve locations shown are diagrammatic Install in ground cover/shrub areas where possible (not in lawn area)

16 Install valve boxes 12" from and perpendicular to walk, curb, lawn, building or landscape feature At multiple valve box groups, each box shall be an equal distance from the walk, curb, lawn, etc , and each box shall be 12" apart Short side of valve box shall be parallel to walk, curb, lawn, etc

17 Install U L approved direct-burial wire #14 minimum and #14 common ground at 16" depth minimum Splicing of 24 volt wires will not be permitted except in valve boxes Leave a 24" coil of excess wire at each splice and 100 feet on center along wire run Tape wire in bundles 10 feet on center No taping permitted inside sleeves

18 Install a spare control wire of a different color along the entire main line Loop 36" excess wire into each single valve box and into one valve box in each group of valves

19 Prior to trenching, call Underground Service Alert, 1-800-642-2444 to locate all cables, conduits, and other utilities and take proper precautions not to damage or disturb existing utilities

20 All Mainlines and lines under paving shall be in PVC sleeves which extend 12" into planting areas All backfill shall be free of rocks greater than 1" diameter For ring-tite PVC main line piping inside sleeves use 1120-315 PSI PVC plastic pipe with schedule 40 PVC couplings

21 In addition to the sleeves and conduits shown on the plans the Contractor shall be responsible for the installation of sleeves and conduits of sufficient size under all paved areas

22 Locate quick coupling valve 12" from hardscape area

23 The sprinkler system design is based on the minimum operating pressure shown on the irrigation drawings The Contractor shall verify water pressure prior to construction Report any difference between the water pressure indicated on the drawings and the actual pressure reading at the irrigation point of connection to the Landscape Architect

24 All irrigation piping shall be subjected to hydrostatic pressure tests as follows before backfilling trenches Valves, pumps, and accurately calibrated recording gauges shall be installed in at least two places Supply lines shall be tested at 125 psi for at least 4 hours with an allowable loss of 5 psi Laterals lines shall be tested at the existing static psi for at least 1 hour with an allowable loss of 5 psi Any leaks shall be corrected and piping retested until the system meet the requirements The Contractor shall notify the Owner's Representative at least 3 days in advance of the time that the irrigation system piping is to be tested

25 Contractor to notify all local jurisdictions for inspection and testing of installed backflow prevention device

26 Irrigation demand 66 GPM at 65-70 PSI, with 1 valve(s) operating

27 The entire sprinkler system shall be operating properly before any lawn or ground cover is planted

28 The Contractor shall provide Owner with a clean set of marked prints of "RECORD DRAWINGS" drawings Reference all trenches, valves, controllers, splice boxes, quick couplers, backflow preventers, water meters, with dimensions to nearest building or paving

29 The Contractor shall guarantee the irrigation system will be free of defects of workmanship and materials for a period of one year All repairs necessary shall be made at no cost to the Owner, with the exception of repairs and labor cost made necessary by vandalism

PARKS & RECREATION DEPT.
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ALTA LOMA SCHOOL

LANDSCAPE IMPROVEMENT PLANS

SOUTH SAN FRANCISCO SAN MATEO COUNTY CALIFORNIA

MELVIN LEE ASSOCIATES / LSLA
LANDSCAPE ARCHITECTURE PLANNING
1650 PACIFIC AVENUE SAN FRANCISCO
CALIFORNIA 94109-2518 (415) 441-8980
CALIFORNIA LICENSE NO 1196

scale:

drawn:

date: 9/1/98

job no.:

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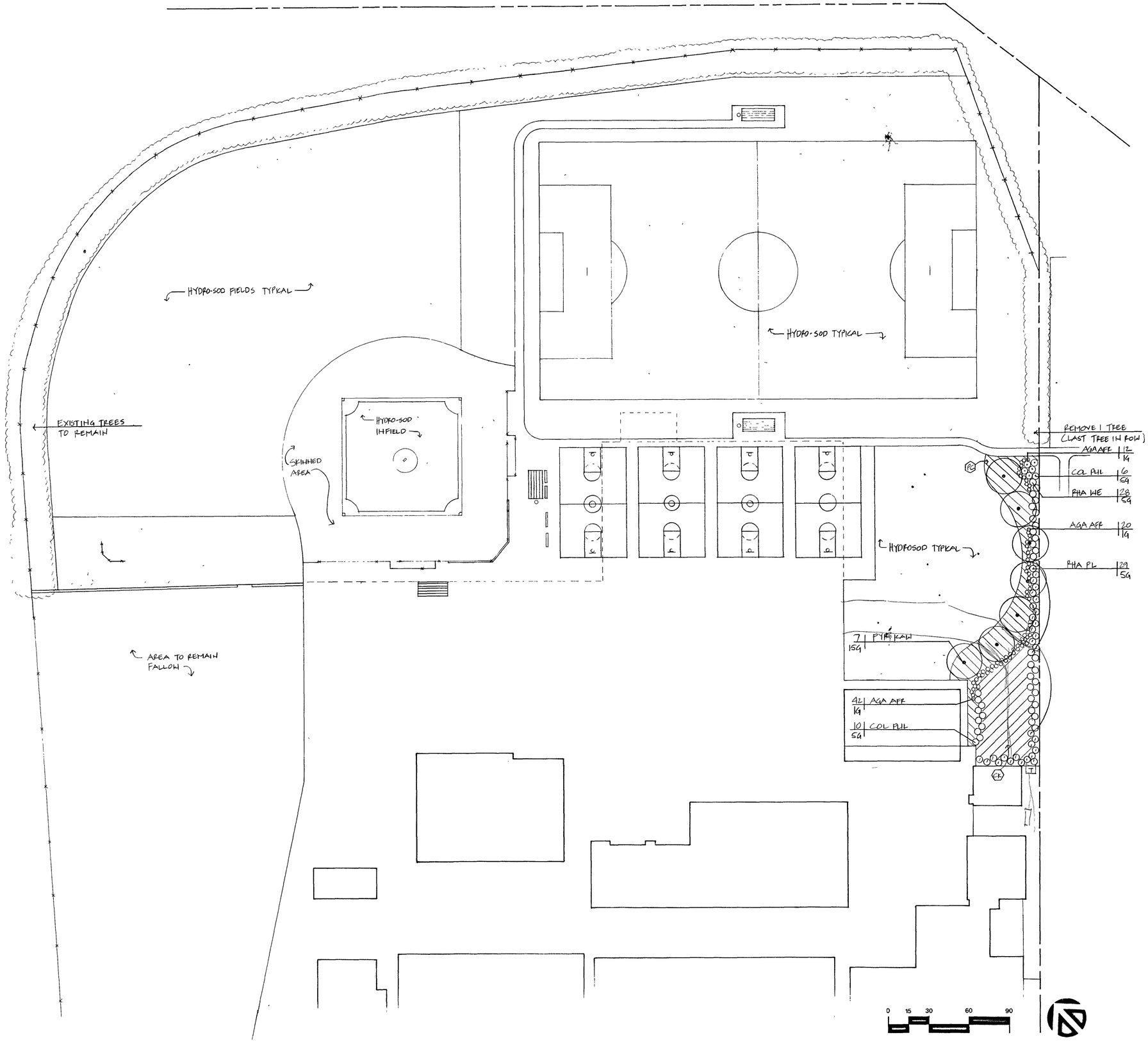
IRRIGATION DETAILS AND NOTES

sheet no.

L2.2



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CALIFORNIA

scale: 1"=30'-0"
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date: 9/1/98
job no.:

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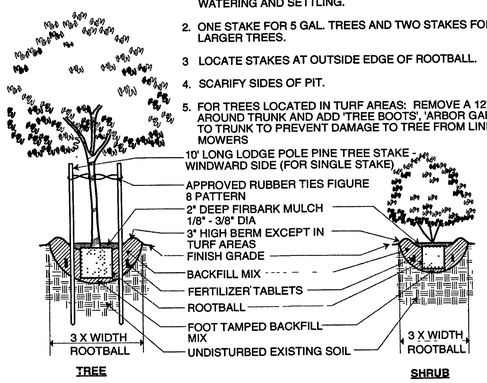
PLANTING PLAN

sheet no.
L3.1
5 of 8

155038

NOTES:

1. PLANT CROWN SHALL BE 1" ABOVE FINISH GRADE FOR SHRUBS AND 1-1/2" ABOVE FINISH GRADE FOR TREES AFTER WATERING AND SETTLING.
2. ONE STAKE FOR 5 GAL. TREES AND TWO STAKES FOR 15 GAL. & LARGER TREES.
3. LOCATE STAKES AT OUTSIDE EDGE OF ROOTBALL.
4. SCARIFY SIDES OF PIT.
5. FOR TREES LOCATED IN TURF AREAS: REMOVE A 12" DIA CIRCLE OF TURF AROUND TRUNK AND ADD 'TREE BOOTS', 'ARBOR GARDS' OR EQUAL TO TRUNK TO PREVENT DAMAGE TO TREE FROM LINE TRIMMERS OR LAWN MOWERS



TREE AND SHRUB PLANTING DETAIL

NOT TO SCALE

PLANTING NOTES:

1 See General Notes

2 The Contractor shall verify the availability of all landscape plants within 10 days following award of the contract Discrepancies or other problems and all plant substitutions shall be resolved at this time If a substitute is authorized by the Owner's Representative, it must be of the same size, value and quality as the original plant

3 All trees and representative samples of shrubs/ground covers shall be inspected at the site for approval by the Owner's Representative and meet the following standards

A. Quality and size shall conform to the State of California Grading Code of Nursery Stock, No 1 grade and to the current issue of the American Standard for Nursery Stock published by the American Association of Nurserymen Use only nursery-grown stock The Owner's Representative will inspect plants for approval prior to any installation

B Plant material must be selected from nurseries that have been inspected by state or federal agencies

C. Nomenclature will be in accordance with Hortus III

D Plant materials will not be accepted that are overgrown, root-bound, or too recently canned so that the root system is not thoroughly established throughout the can Pruning shall not be done prior to delivery except as authorized by the Owner's Representative

4 Grading and Topsoil

A. See Grading Notes

B Soil Test Contractor shall submit three (3) representative soil samples to Soil and Plant Laboratory, Santa Clara or approved equal to be tested for agricultural suitability and fertility with pre-plant and post-plant recommendations Soil samples shall be taken from location determined by the Owner's Representative Soil shall be certified as clean and free of hazardous material or waste contamination

C. Soil amendment to be added as follows in all planting areas

Amount per 1000 square feet
6 cubic yards Nitrogen stabilized sawdust

20 lbs 6-20-20 fertilizer (Best's Cropmaker)

10 lbs 0-25-0 Single super phosphate

10 lbs Iron sulfate

(Applied rates of soil amendment and commercial fertilizer shall be used for bidding purpose until determined by soil test, Note 4 B above)

D Soil amendment in all planting areas shall be uniformly spread and thoroughly incorporated to a soil depth of 6" minimum by repeated rotary hoe cultivation prior to planting

5 Tree and Shrub Planting

Prior to digging holes for final planting, the Contractor shall spot all trees as shown on the Drawings for approval by the Landscape Architect

A. Soil amendments and fertilizer shall have been incorporated into the soil prior to tree and shrub planting

B Dig pits as shown on Drawings

C. After pits are dug, break sides and bottom of holes to open wall of pit for root penetration

D Percolation Test All plant pits shall be tested for sufficient drainage prior to planting Representative plant pits shall be dug (at least 2) at site upon award of Bid to test for general site subgrade drainage conditions Individual planting pits shall also be tested again for sufficient drainage prior to planting Contractor shall fill plant pits with water, to see if subsoil conditions will cause retention of water within plant pits overnight If standing water is still observed after 12 hours, then Contractor shall alert Owner's Representative and Landscape Architect of the problem

E. Planting backfill mix for trees and shrubs shall be
Amount per Cubic Yard

3/4 cubic yard On site soil

1/4 cubic yard Nitrogen stabilized sawdust

1 5 lbs 6-20-20 fertilizer (Best's Cropmaker)

2 5 lbs 0-25-0 Single super phosphate

1 lb Iron sulfate

(Applied rates of soil amendment and commercial fertilizer shall be used for bidding purpose until determined by soil test, Note 4 B above)

F Fertilize plants at the time of planting with Agriform 21-gram fertilizer tablets, 20-10-5 2 per 1 gallon can, 3 per 5 gallon can, 4 per 15 gallon can, specimen trees-3 per inch of caliper

G. Plants shall be erect after planting, and staked or guyed as detailed at the time of planting Remove nursery stakes

H Rootball crown shall be 2" above finish grade after watering and settling

I Tree and shrub plantings shall be watered and flooded to eliminate air pockets within 2 hours of the time of planting

J All vines shall be trained to posts, fences or walls by tying select individual branches with plastic covered wire ties as follows ties shall be attached to wood surfaces with 3/4" galvanized iron staples and attached to stucco or masonry surfaces with epoxy as recommended by manufacturer See planting details

K All trees shall be planted 10'-0" minimum from buildings including overhangs and 5'-0" minimum from curbs, paving, fences, etc Orient main branches of trees away from building Should any discrepancies occur between field conditions and planting plans contact Owner's Representative All trees closer than 5'-0" from curbs, foundations and sidewalks are to be installed with linear deep root control barrier panels protecting adjacent curb, foundation, and sidewalks, but never fully surrounding rootball Install a 10 foot by 24 inch deep section of linear interlocking root control barrier panels, centered on tree, located at curb, foundation, and sidewalks, unless otherwise indicated See plans for detail

L All trees shall be planted a minimum of 5'-0" away from storm drain, or other underground utility lines (or per code), and 10'-0" away from sanitary sewer lines (or per code), and 15'-0" minimum away from utility poles or light standards (or per code)

M All trees planted in lawn areas shall have a 12" diameter circle around trunk of tree free of lawn This circular area shall receive 2" depth of 3/8" - 1/2" diameter firbark mulch, unless otherwise indicated

6 Ground Cover Planting

A. Soil amendments shall have been incorporated into the soil prior to ground cover planting

B Clear planting areas of rocks and debris greater than 1" diameter

C. Apply a pre-emergent herbicide, per manufacturer's directions

D All ground cover areas shall have complete coverage at spacings noted on plans

E. All ground cover areas with slopes greater then 1 1/2 : shall have jute mesh installed as per detail, or per manufacturer recommendations

F All ground cover areas shall receive 1-1/2" depth of "Golden Nugget Redwood Bark" mulch, or equal, available from United Forest Products 800-830-7104, unless otherwise indicated

G. Thirty (30) days after planting, replace all dead plants and fill in bare ground cover areas Topdress with 16-6-8 fertilizer at 7 lbs /1000 sq ft when ground cover is dry and thoroughly irrigate promptly after application (Applied rates of soil amendment and commercial fertilizer shall be used for bidding purpose until determined by soil test, Note 4 B above)

7 Hydroseeded Lawn Planting

A. Soil amendments and fertilizer shall have been incorporated into the soil prior to lawn seeding

B Bring lawn area to within 1/2" of top of paving or header

C. Rake areas to be smooth and to drain, removing all rocks, clods and debris greater than 1 " diameter

D "Hydrosod" available from Greenscape, Hydroseeding Contractors 1-800-728-4937 Hydroseed per manufacture's recommendations Hydrosod mix to be 65% Perennial Rye Grass, 20% Creeping Red Fescue and 15% Kentucky Bluegrass Seed mix, hydromulch, soil stabilizers, fertilizers, etc , for hydroseeding operations shall be furnished by Greenscape or approved equal with guaranteed statement of composition and purity Transmit copy to Owner's representative for approval

E Topdress with 11-8-4 or approved fertilizer at rate of 15 lbs per 1,000 sq ft after 6 weeks, when lawn is dry and thoroughly irrigate promptly after application (Applied rates of soil amendment and commercial fertilizer shall be used for bidding purpose until determined by soil test, Note 4 B above)

F Remove all rocks, etc , repair low spots, reseed or sod areas that do not have a good stand of grass

G. Lawn shall be rolled to a smooth, even surface after third mowing

8 Workmanship.

Precautions shall be taken to avoid damage to existing plants, turf and structures Any areas damaged shall be restored to their original condition

9 Clean-up

Keep all areas of work clean, neat and orderly at all times Keep all paved areas clean during planting and maintenance operations

10 Site Visits and Approvals

The Contractor shall contact the Owner's Representative for review and approval of plant materials (see Note 3 above) and plant locations (see Note 5 above). The maintenance period begins following acceptance of plant installation

11 Maintenance

A. Begin maintenance after each plant and each portion of lawn or ground cover is installed and continue until Final Acceptance

B Maintenance Period shall begin upon inspection and approval by Owner's Representative and shall be for 60 calendar days minimum or until turf area's are well established and ready for use

C. Maintenance of new planting shall consist of watering, cultivating, weeding, mulching, re-staking, tightening and repairing of guys, resetting plants to proper grades or upright position, restoration of the planting saucer, and furnishing and applying such sprays and invigorates as are necessary to keep the plantings free of insects and disease and in thriving condition

D Maintenance of lawns shall consist of weeding, watering, mowing, treatment of fungus disease and insect pests, repair of erosion, fertilizing and all incidental work necessary to maintain turf satisfactory to the Owner All areas sodded shall be mowed weekly beginning 14 days after sodding at a height no less than 2" All areas seeded shall be mowed only after lawn reaches 3" in height, lawn shall not be cut lower than 3" at its' first mowing After first mowing, lawn shall be mowed weekly at a height no less than 2"

E. Protect planting areas and plants at all times against damage of all kinds for duration of maintenance period Maintenance includes temporary protection fences, barriers and signs as required for protection If any plants become damaged or injured, treat or replace as directed by Landscape Architect at no additional cost to Owner

12 Guarantee

A. All trees and shrubs shall be in thriving condition 1 year from the date of final acceptance Replace any trees which have lost at least 30% of their normal foliage or are not in vigorous growing condition

KEY	BOTANICAL NAME	COMMON NAME	15 GAL
TREES			
PYR KAW	PYRUS KAWAKAMI	EVERGREEN PEAR	7
SHRUBS			
AGA AFR	AGAPANTHUS AFRICANUS	LILY OF THE NILE	
COL PUL	COLEONEMA PULCHRUM	BREATH OF HEAVEN	
RHA PL	RHAPHIOLEPIS PINK LADY	PINK INDIA HAWTHORN	
RHA WE	RHAPHIOLEPIS WHITE ENCHANTRESS	WHITE HAWTHORN	
GROUND COVERS			
		HYDROSEED AVAILABLE	
	HYDROSOD - 65% PERENNIAL RYE GRASS	FROM GREENSCAPE CO	
	20% CREEPING RED FESCUE	1-800-728-4937	
	15% KENTUCKY BLUEGRASS		
CK	COPROSMA KIRKII	CREEPING COPROSMA	12"oc FLATS
PC	POLYGONUM CAPITATUM	PINK KNOTWEED	9"oc FLATS

NOTE: PERFORM SOILS TESTS PER 4B AFTER ROUGH GRADING BUT PRIOR TO BEGINING FINISHED CONSTRUCTION OR SOIL PREPARATION. SUBMIT TO OWNERS REPRESENTATIVE FOR APPROVAL.

REVISIONS
3-8-99 CLARIFICATION

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CALIFORNIA 94133 415 788 3536

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date: 9/1/98
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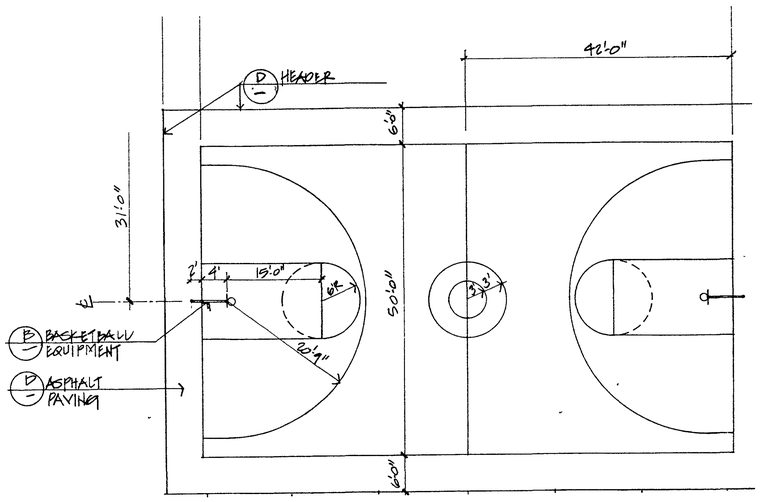
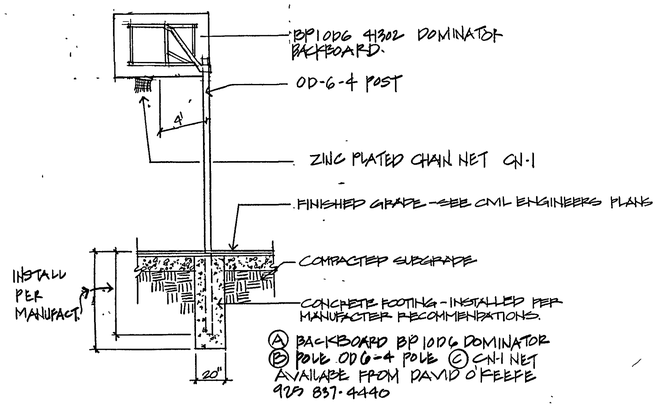
PLANTING NOTES/ DETAILS

sheet no.
L3.2

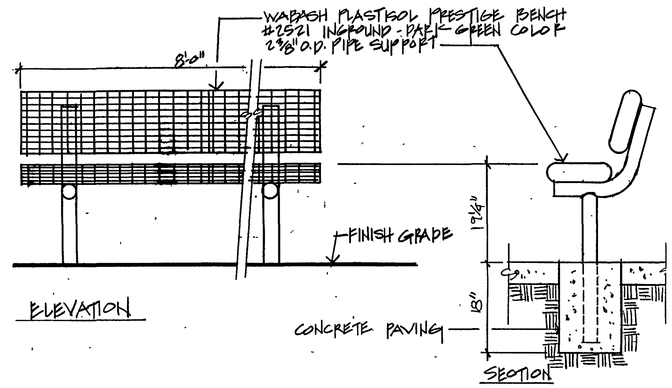
6 of 8



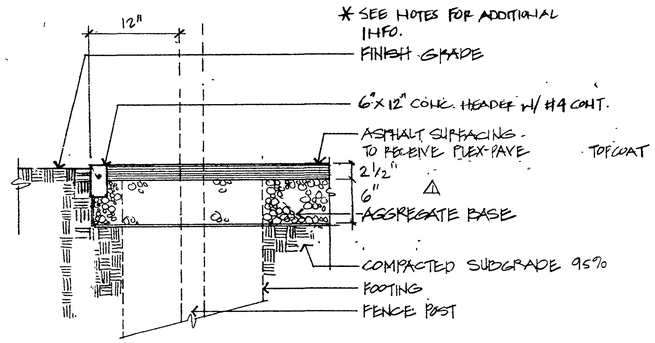
A BASKETBALL COURT



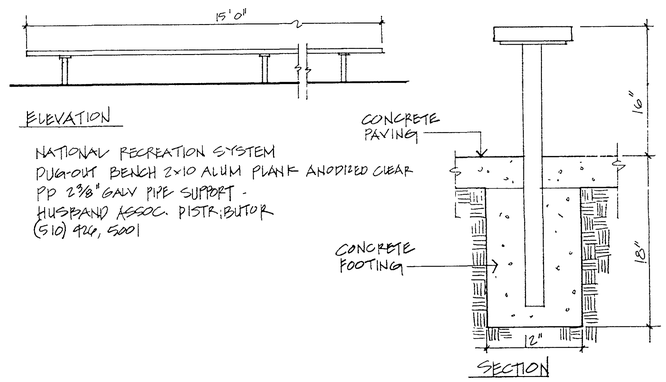
B BASKETBALL EQUIPMENT
N.T.S.



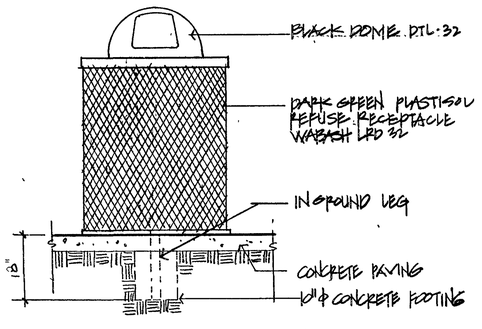
C BENCH
SCALE: 1"= 1'-0"



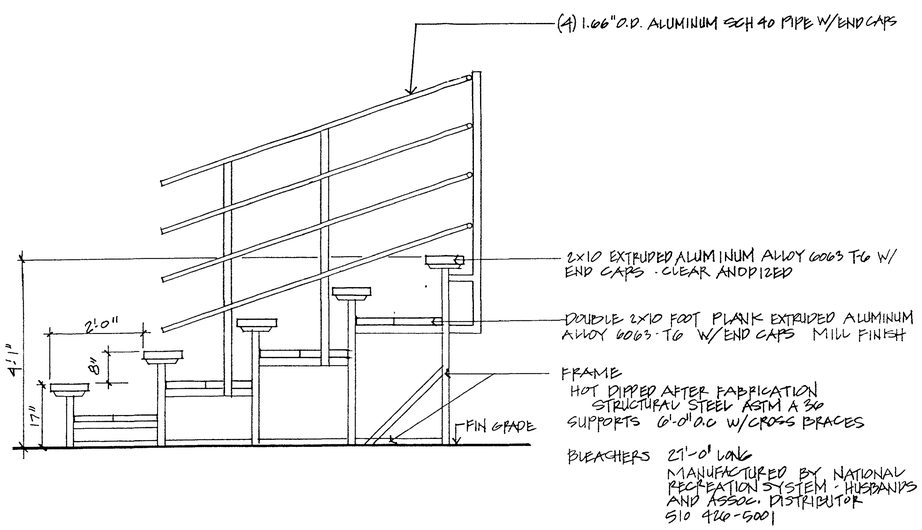
D ASPHALT SURFACING FOR BASKETBALL



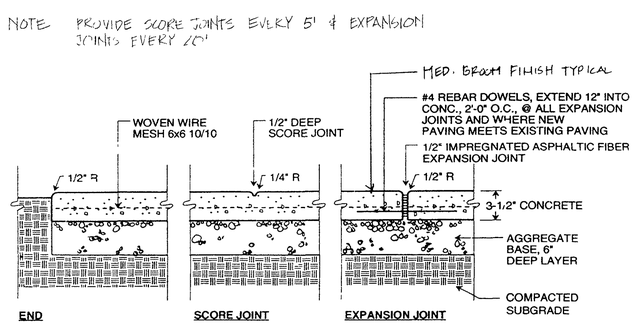
E DUG-OUT BENCH
NO SCALE



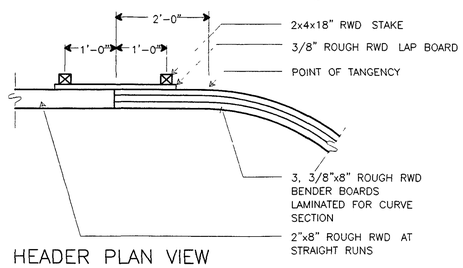
F TRASH RECEPTACLE



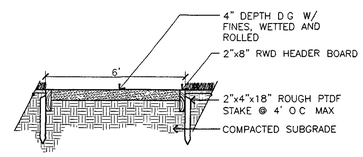
G PREFABRICATED BLEACHERS
SCALE 3/4"=1'-0"



H CONCRETE PAVING
NOT TO SCALE



HEADER PLAN VIEW



SECTION

I D.G. RUNNING PATH
NOT TO SCALE

REVISIONS
3-8-99 CLARIFICATION

PARKS & RECREATION DEPT.
33 ARROYO DRIVE
SOUTH SAN FRANCISCO
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scale:
drawn:
date: 9/1/98
job no.:

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DETAILS

sheet no.
L4.1