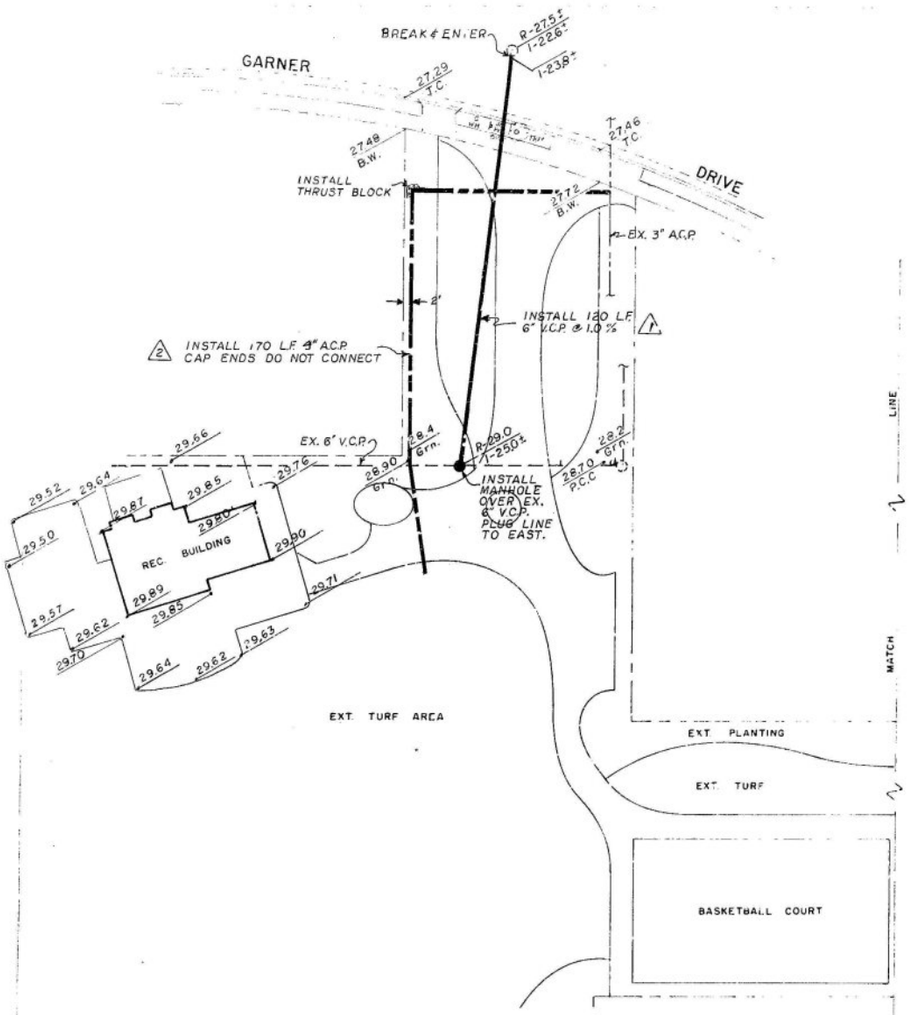
# CITY OF SUNNYVALE, CALIF.

# ORCHARD GARDENS PARK ADDITION PR- 76-2

**LOCATION MAP**
SCALE: 1"= 600'

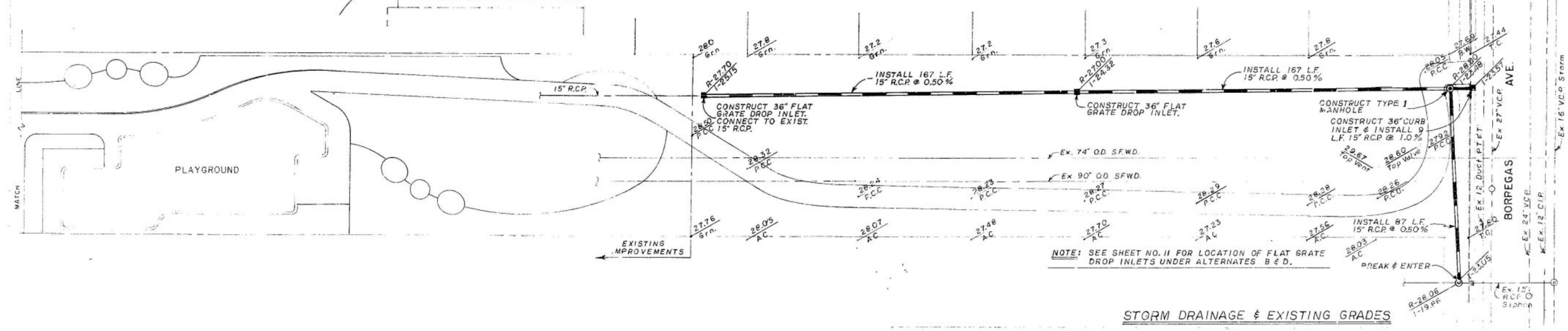
| APPROVED BY: | | REVIEWED FOR APPROVAL BY: | | | DESIGNED BY: | DRAWN BY: | CHECKED BY: | FIELD BOOK: NO. PG. | DATE: |
|---|---|---|---|---|---|---|---|---|---|
| Water System Engineer | Date | ASS'T. CITY ENGINEER | R.E. NO. | DATE 12-21-72 | TITLE: | | | | SHEET 1 OF 19 |
| Traffic Engineer | Date | APPROVED BY: | | | | | | | |
| Fire | Date | DIRECTOR OF PUBLIC WORKS | R.E. NO. | DATE | SCALE: Horiz. 1"= Vert. 1"= | DEPARTMENT OF PUBLIC WORKS CITY OF SUNNYVALE | | | FILE NO. Sheet 1 of 11 |
| Engineer Const. Supervisor | Date | | | | | | | | |

PRINTED ON NO. 1000H CLEARPRINT




2 ADDED WATER SERVICE MAIN. 7/6/77

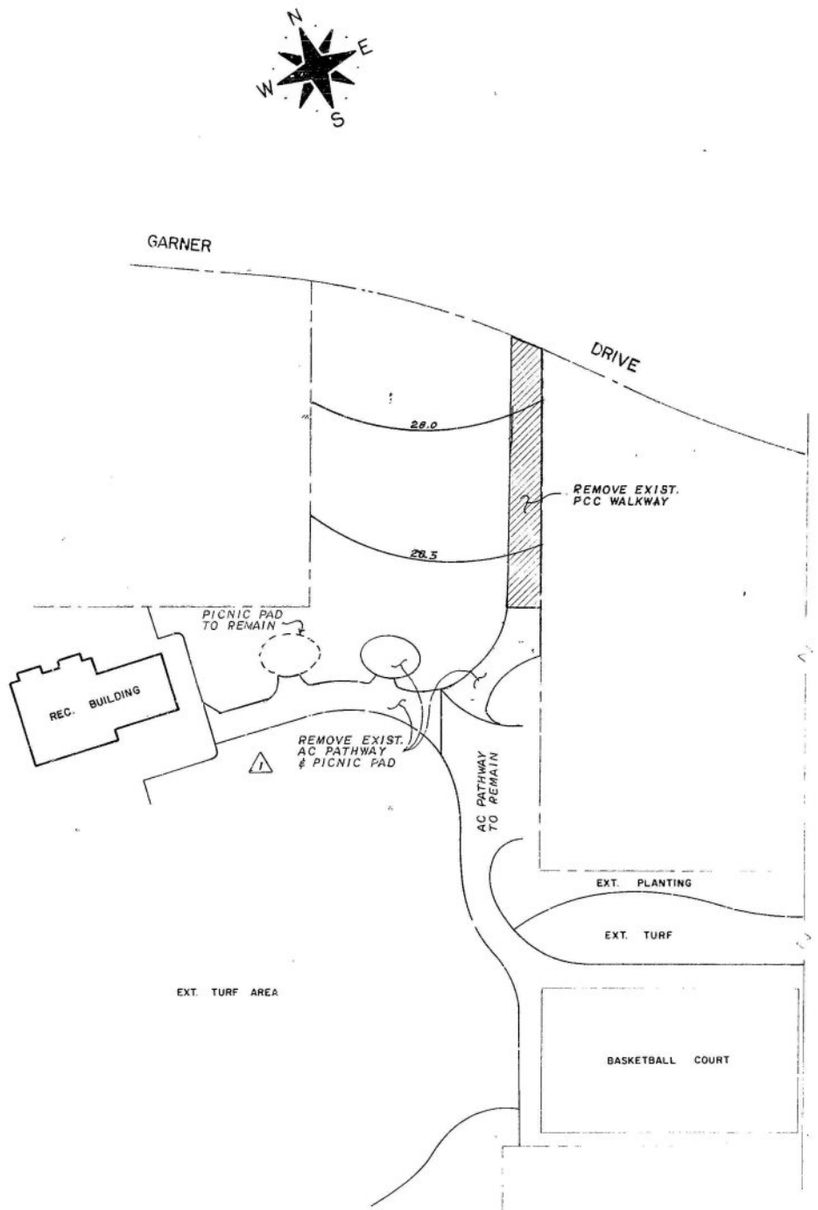
1 ADDED SANITARY SEWER LINE & MANHOLE. 7/6/77

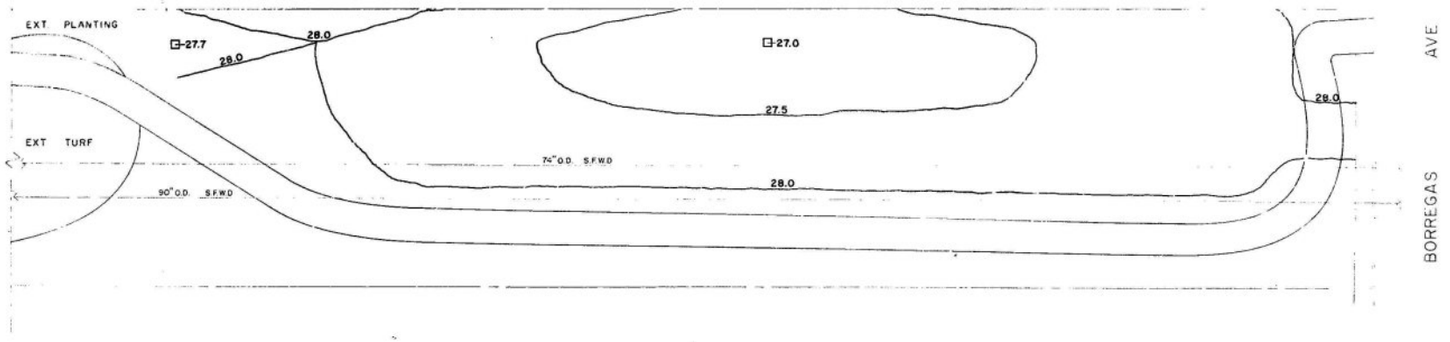



STORM DRAINAGE & EXISTING GRADES

D MELLO

ORCHARD GARDENS PARK ADDITION PR 76-2 2 19



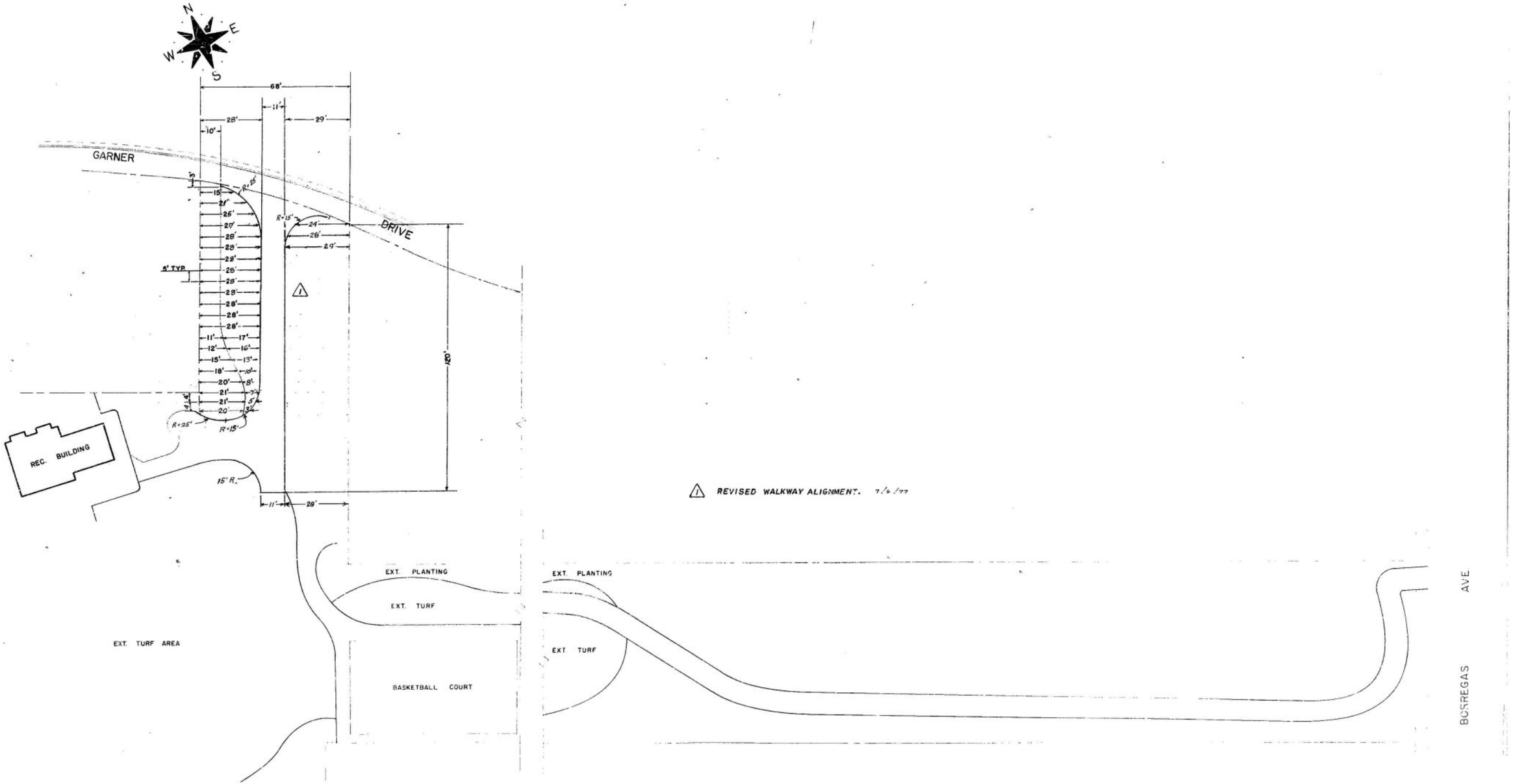

1 CLARIFIED EXCAVATION REQUIREMENTS. 7/6/77

## BASE BID GRADING

| | | | | | |
|---|---|---|---|---|---|
| APPROVED BY | REVIEWED FOR APPROVAL BY | DESIGNED BY D. MELLO | DRAWN BY D. MELLO | CHECKED BY | FIELD BOOK NO. PG | DATE SEPT. 76 |
| Water System Engineer Date | ASST. CITY ENGINEER Date | | | | | |
| Traffic Engineer Date | APPROVED BY | | | | | |
| Fire Date | DIRECTOR OF PUBLIC WORKS Date | | | | | |
| Engineer Const. Supervisor Date | | | | | | |

ORCHARD GARDENS PARK ADDITION PR-76-2

SCALE 20'-0" | DEPARTMENT OF PUBLIC WORKS CITY OF SUNNYVALE | SHEET 3 OF 19 SHEETS




BASE BID

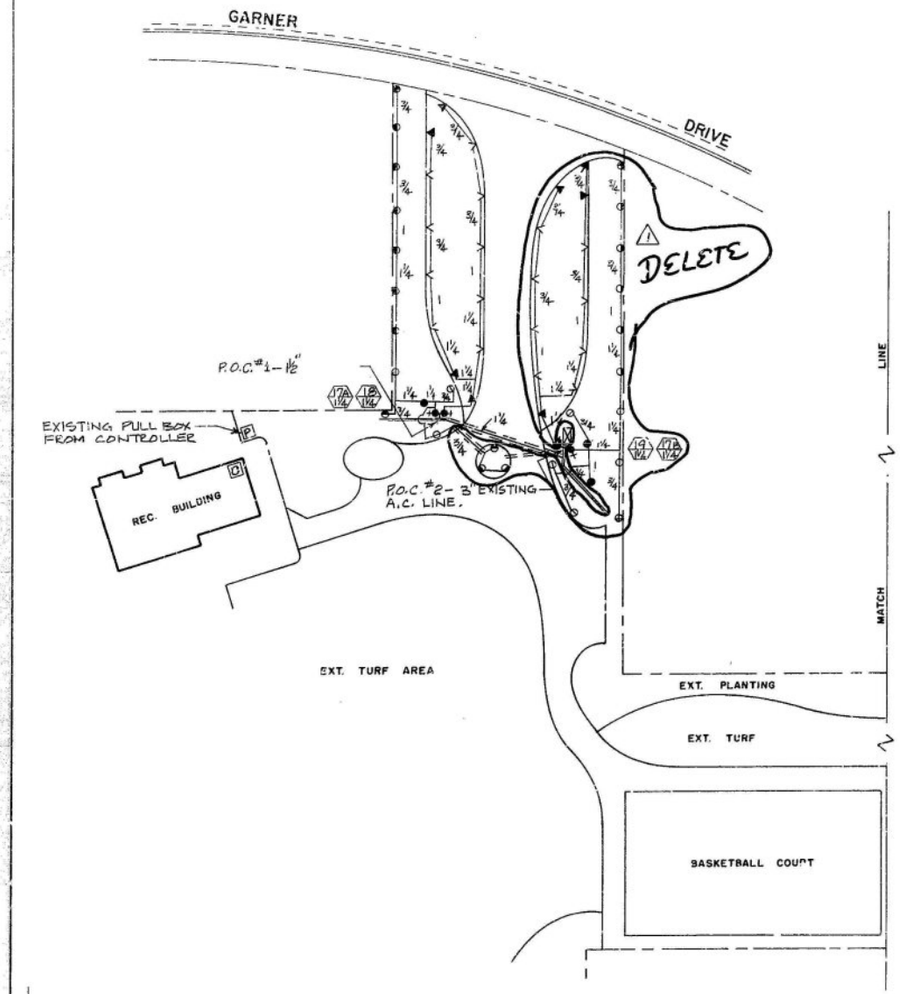
| | | | |
|---|---|---|---|
| APPROVED BY | | D. MELLO | D. MELLO |
| Water System Engineer | Date | | |
| Traffic Engineer | Date | | |
| Fire | Date | | |
| Engineer Joint Supervisor | Date | | |

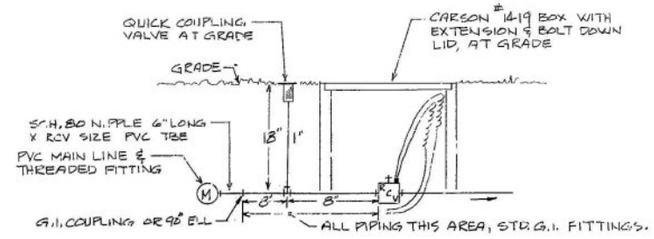
SEPT. 76

ORCHARD GARDENS PARK ADDITION PR-76-2 4 19

20'-0"

DEPARTMENT OF PUBLIC WORKS
CITY OF SUNNYVALE



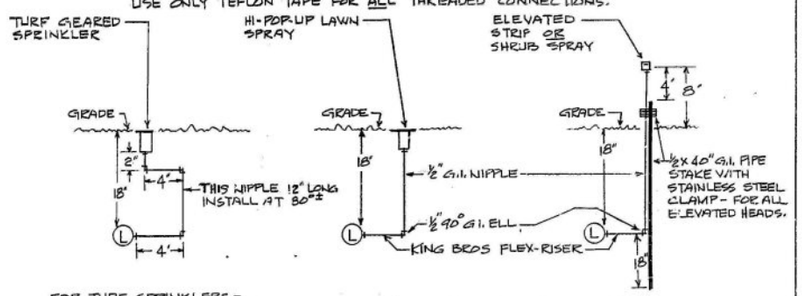




1- LIMIT ONE RCV PER BOX.
2- NO EARTH FILL INSIDE BOX OR TOUCHING VALVE.
3- INSTALL EACH RCV WITH PETCOCK & FLOW CONTROL.
4- PROVIDE 24" COIL ON EACH 24-V LINE IN EACH BOX.
5- USE ONLY PENTITE CONNECTORS W/SEALANT FOR 24-V SPLICES.
6- FOR RCV WITHOUT QCV- DELETE ALL G.I. FITTINGS.
7- WRAP ALL G.I. WITH .010 X 2" PE TAPE USE HALF LAP.
8- USE ONLY TEFLON TAPE FOR ALL THREADED CONNECTIONS.

## TYPICAL RCV/QCV INSTALLATION

NO SCALE

USE ONLY TEFLON TAPE FOR ALL THREADED CONNECTIONS.




FOR TURF SPRINKLERS -
1- INSTALL FLUSH WITH GRADE, 4" CLEARANCE TO EDGE OF LAWN.
2- ALL 4 NIPPLES SCH. 80 PVC TBE - ALL ELLS SCH. 40 X 90° PVC TBE.

FOR HI-POP TURF SPRAYS -
3- INSTALL FLUSH WITH GRADE, 2" CLEARANCE TO EDGE OF LAWN.

FOR ELEVATED STRIP SPRAYS -
4- INSTALL 8" ABOVE GRADE ON ℄ OF PLANT BED W/ END HEAD 18" FROM END OF PLANTER.

FOR ELEVATED SHRUB SPRAYS -
5- INSTALL 8" ABOVE GRADE & 6" FROM FENCE - IF AT WALKWAY, INSTALL 4" ABOVE GRADE & 12" FROM PEDESTRIAN PAVING.

## TYPICAL RISER INSTALLATIONS

NO SCALE

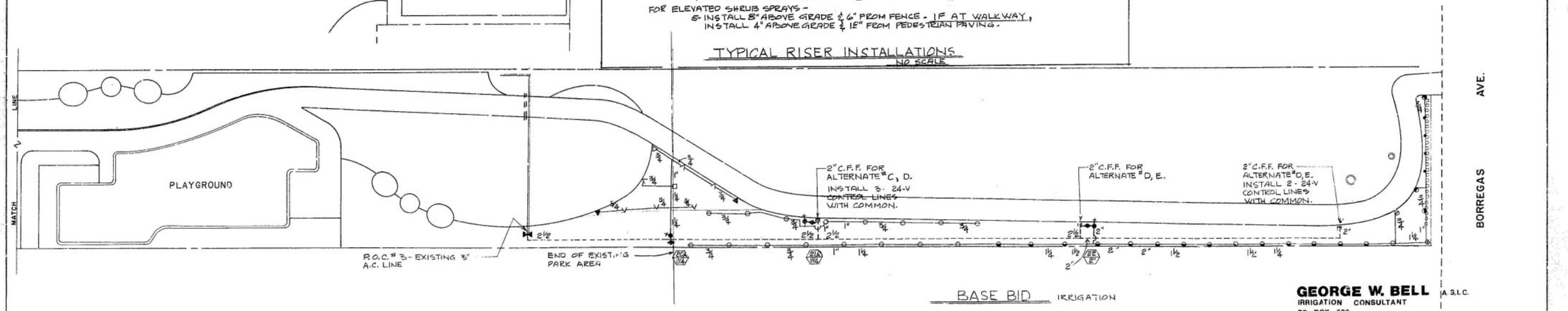
## LEGEND & NOTES cont.

| SYMBOL | CATALOG NO. | MANUFACTURER | ITEM |
|---|---|---|---|
| + | 305 SH-2 | RAIN-O-MAT | STRIP SPRAY |
| • | 305 SF-2 | RAIN-O-MAT | STRIP SPRAY |
| ◐ | 403 SQ | BUCKNER | SHRUB SPRAY |
| ◑ | 403 SH | BUCKNER | SHRUB SPRAY |
| ● | 403 SFU | BUCKNER | SHRUB SPRAY |
| ⊕ | 403 SQO | BUCKNER | SHRUB SPRAY |
| ⊖ | 403 SHO | BUCKNER | SHRUB SPRAY |
| ○ | 403 SFO | BUCKNER | SHRUB SPRAY |
| ▼ | 403 QHPU | BUCKNER | LAWN SPRAY - HI POP |
| ▼ | 403 H HP-U | BUCKNER | LAWN SPRAY - HI POP |
| ■ | 403 F HP-U | BUCKNER | LAWN SPRAY - HI POP |
| ▽ | 403 Q HP-O | BUCKNER | LAWN SPRAY - HI POP |
| V | 403 H HP-O | BUCKNER | LAWN SPRAY - HI POP |
| □ | 403 F HP-O | BUCKNER | LAWN SPRAY - HI POP |
| ⊕ | 187-A (RUBBER) | THOMPSON | TURF SPRINKLER - ARC INDICATED |
| ⊖ | 187-S (RUBBER) | THOMPSON | TURF SPRINKLER - ARC INDICATED |
| ◆ | 14 RLT | BUCKNER | QUICK COUPLING VALVE |
| ◇ | 16 | BUCKNER | QUICK COUPLING VALVE |
| +⊕ | 2000 E SERIES | GRISWOLD | REMOTE CONTROL VALVE |
| ⊡ | 2406 EW | GRISWOLD | CONTROLLER |
| ⋈ | G-736-0 SERIES | STOCKHAM | GATE VALVE - INSTALL IN RCV BOX. |
| ⊠ | | | EXISTING 3" BACK FLOW UNIT. |
| ——— | | | EXISTING MAIN LINE - SIZE & MATERIAL NOTED. |

(1A 1¼) (2 2") — CONTROLLER STATION NUMBER; MANIFOLD AT CONTROLLER ONLY; REMOTE CONTROL VALVE SIZE

- - - - - 3" PVC SLEEVE
——‖—— C.F.F. — CAP FOR FUTURE OR ALTERNATE
——— LATERAL LINE #1120-200 PSI PVC } USE SCH. 40 PVC FITTINGS.
- - - - MAIN LINE #1120-315 PSI PVC }

1- SYSTEM DESIGN BASED ON 93 PSI AT EACH POINT OF CONNECTION.
2- REMOVE EXISTING CONTROLLER AND DELIVER IT TO SUPT. OF PARKS. INSTALL NEW CONTROLLER, RECONNECT EXISTING 16 STATIONS. CONNECT NEW SYSTEMS TO CONTROLLER AS INDICATED.
3- USE SOD CUTTER BEFORE ANY TRENCHING IN EXISTING TURF AREAS.
4- SLEEVES SHALL HAVE 18" COVER, EXTEND 12" IN'D EACH PLANT AREA, CONTAIN ALL PIPING & CONTROL LINE AS INDICATED AND HAVE LOCATIONS DIMENSIONED ON "AS-BUILT" DRAWING.
5- REMOVE ALL UNUSED HEADS AND DELIVER TO SUPT. OF PARKS.
6- VERIFY ALL LOCATIONS AND CONDITIONS ON SITE BEFORE STARTING CONSTRUCTION OF THIS SYSTEM.
7- ADJUST EACH ARC & RADIUS FOR COVERAGE OF PLANTED AREAS.
8- BALANCE EACH BATTERY TO OPTIMUM COVERAGE AS REQUIRED BY THE HEADS.
9- UNDER BASE BID - INSTALL ALL CONTROL LINE 24-V AS REQUIRED FOR EACH RCV FOR ALL ALTERNATE SITUATIONS. PLACE ENDS OF CONTROL LINES IN RCV BOX AT EACH P.O.C. - SHOW ON "AS-BUILT".




## BASE BID IRRIGATION

△1 DELETED ALL IRRIGATION ON EAST SIDE OF WALKWAY & IN CENTER ISLAND.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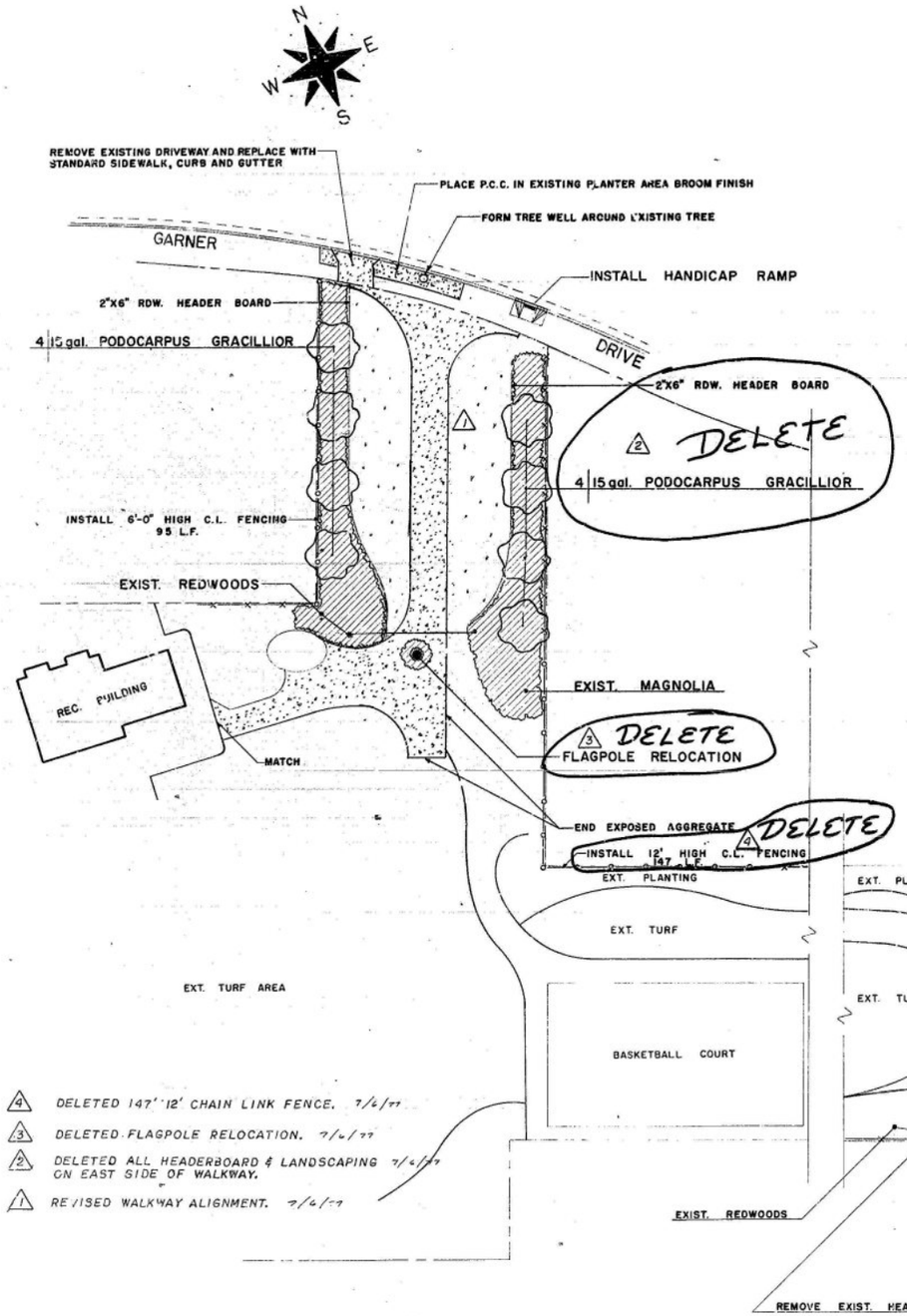
MILLBRAE, CALIFORNIA 415/589-6959


| | | | | | |
|---|---|---|---|---|---|
| APPROVED BY: | REVIEWED FOR APPROVAL BY: | DESIGNED BY G.B. | DRAWN BY G.B. | CHECKED BY | DATE: NOV. 2, 1976 |
| Water System Engineer — Date | ASS'T. CITY ENGINEER — R.E. NO. — DATE | | | FIELD BOOK NO. — PG | |
| Traffic Engineer — Date | APPROVED BY: | TITLE: ORCHARD GARDENS PARK ADDITION PR-76-2 | | | SHEET 5 OF 19 |
| Fire — Date | DIRECTOR OF PUBLIC WORKS — R.E. NO. — DATE | SCALE: HORIZ 1"=20'-0" VERT — | DEPARTMENT OF PUBLIC WORKS CITY OF SUNNYVALE | | FILE NO. (SHEET 5 OF 11) |
| Engineer Const. Supervisor — Date | | | | | |




## LEGEND

### PLANTING MATERIAL

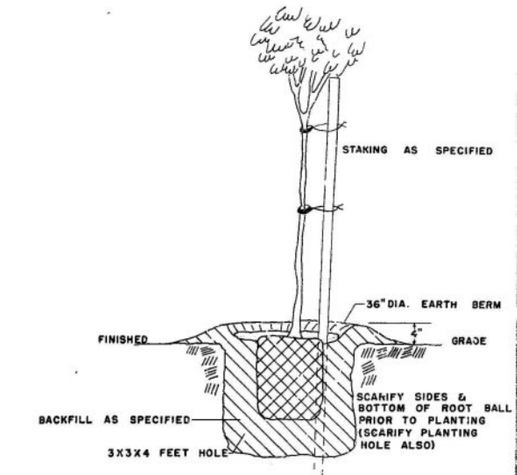
| | QUANT. | SIZE |
|---|---|---|
| PODOCARPUS GRACILLIOR | 8 | 15gal. |
| TRACHELOSPERMUM JASMINOIDES | 580 | 1gal. |

### SYMBOLS

- TURF AREA
- GROUND COVER (STAR JASMINE)
- EXPOSED AGGREGATE WALK
- NEW FENCING
- EXIST. FENCING

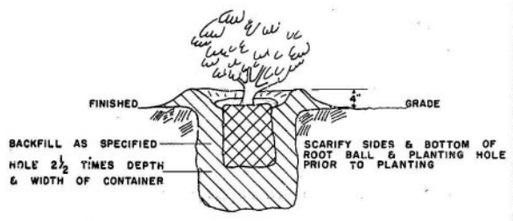
### PLANT MATERIAL EAST ENTRANCE

| | QUANT. | SIZE |
|---|---|---|
| PHOTINIA SERRULATA | 30 | 5gal. |
| SEQUOIA SEMPERVIRENS | 5 | 15gal. |
| HYPERICUM CALYCINUM | 167 flats | rooted cuttings |




## TREE PLANTING DETAIL

NO SCALE

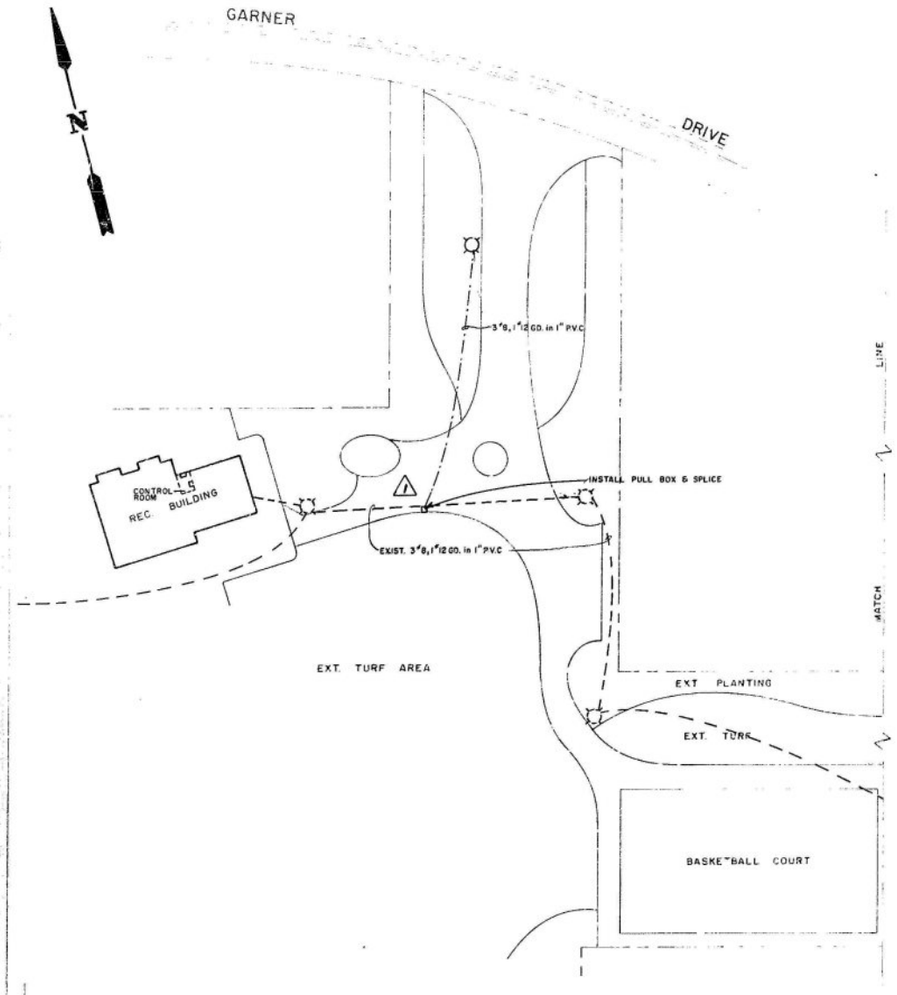



## SHRUB PLANTING DETAIL

NO SCALE

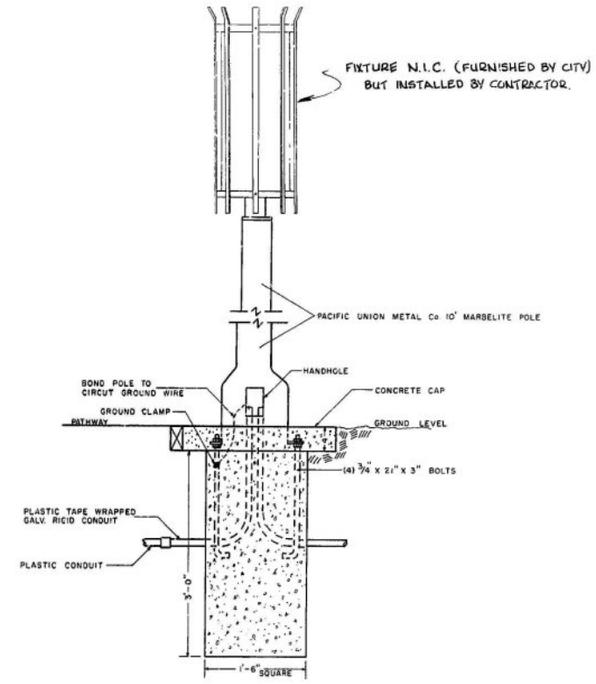
## BASE BID

| | | | | | | |
|---|---|---|---|---|---|---|
| APPROVED BY: | REVIEWED FOR APPROVAL BY | DESIGNED BY D. MELLO | DRAWN BY D. MELLO | CHECKED BY | FIELD BOOK NO PG | DATE SEPT. 76 |
| Water System Engineer Date | ASST. CITY ENGINEER R.E. NO DATE | TITLE ORCHARD GARDENS PARK ADDITION PR-76-2 | | | | SHEET 6 OF 19 |
| Traffic Engineer Date | APPROVED BY: | | | | | |
| Fire Date | DIRECTOR OF PUBLIC WORKS R.E. NO DATE | SCALE 20'-0" | DEPARTMENT OF PUBLIC WORKS CITY OF SUNNYVALE | | | FILE NO. (SHEET 6 of 11) |
| Engineer Const. Supervisor Date | | | | | | |

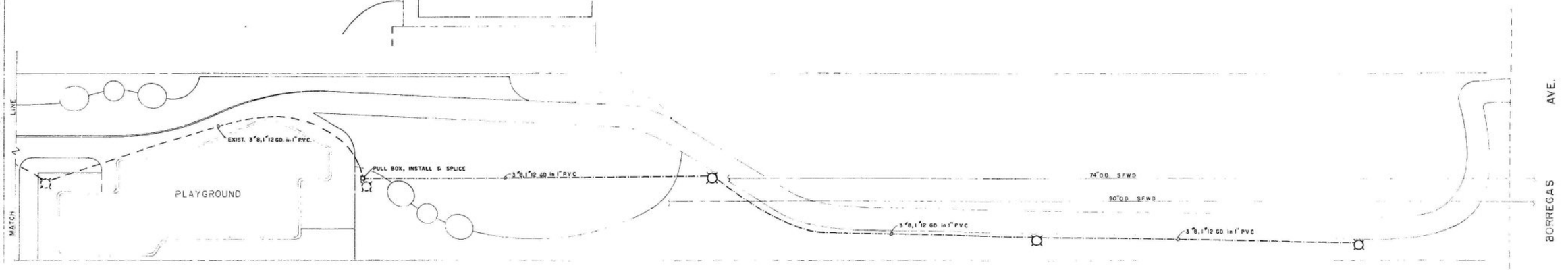



**LEGEND**

- NEW PATHWAY LIGHT
- EXIST. PATHWAY LIGHT
- PULL BOX
- NEW WIRING
- EXIST. WIRING




**PATHWAY LIGHT DETAIL**
SCALE 1" = 1'-0"

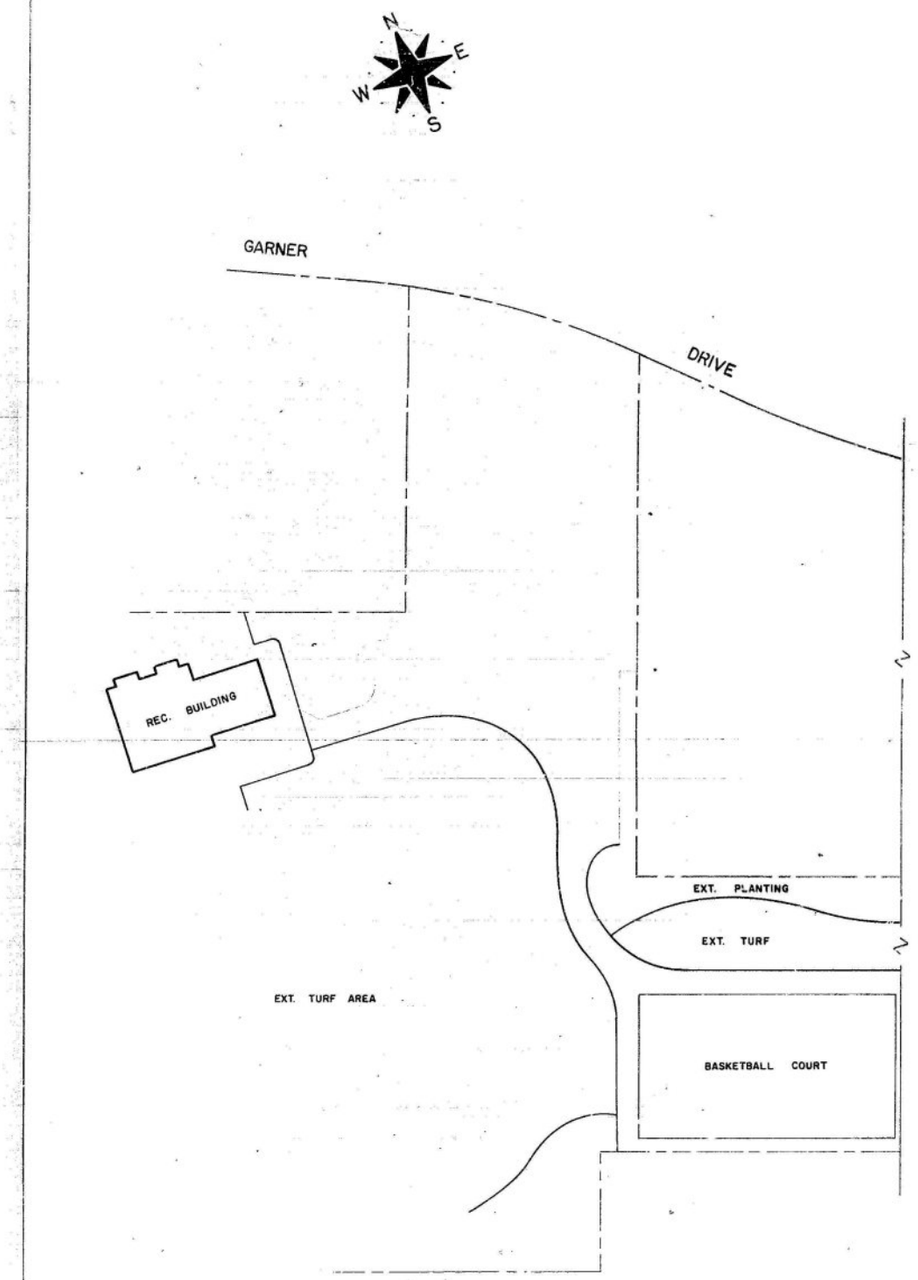



⚠ REVISED LOCATION OF PULLBOX. 7/6/77

**BASE BID PATHWAY LIGHTING**

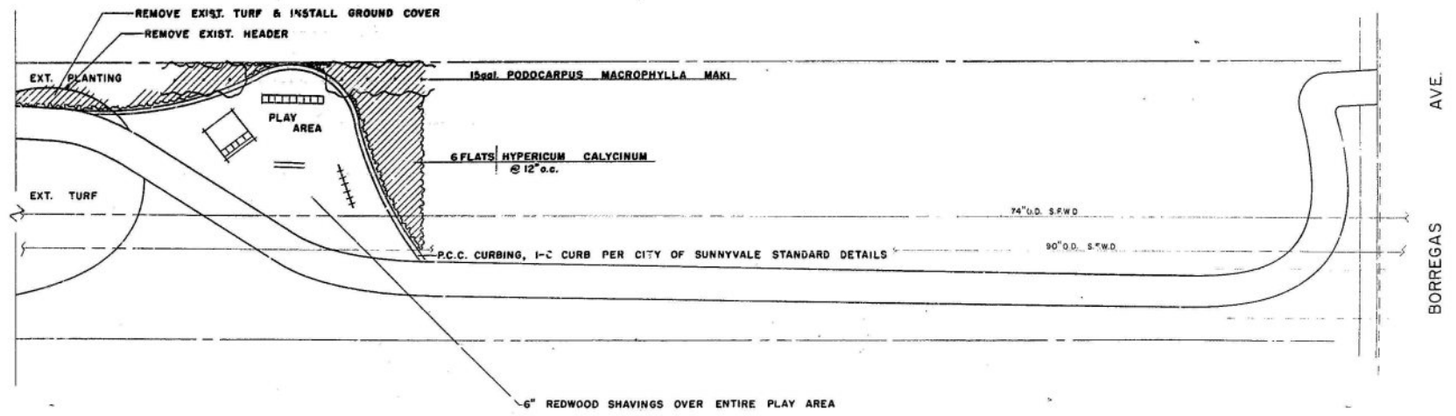
D. MELLO

ORCHARD GARDENS PARK ADDITION PR-76-2 7 19




## LEGEND

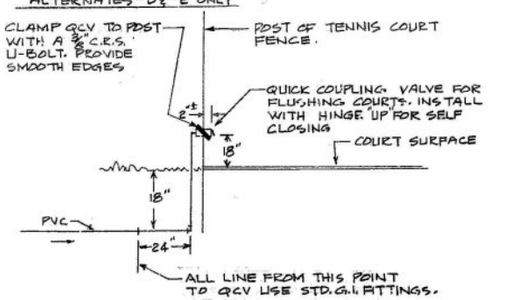
| SYMBOLS | DESCRIPTION |
|---|---|
| | GAME TIME Co. No. 910 RAINBOW CLIMBER |
| | PATTERSON WILLIAMS Co. No. 2421 MUSCLE BUILDER |
| | PATTERSON WILLIAMS Co. No. 2427 MONKEY RINGS |
| | PATTERSON WILLIAMS Co. PAGE 57 PARALLEL BARS (No. 2442) |




ALTERNATE 'C'

| | | | | | |
|---|---|---|---|---|---|
| APPROVED BY: | REVIEWED FOR APPROVAL BY: | DESIGNED BY: D. MELLO | DRAWN BY: D. MELLO | CHECKED BY: | FIELD BOOK: NO. PS |
| Water System Engineer — Date | ASST. CITY ENGINEER — R.E. NO. — DATE | DATE: SEPT. 76 | | | |
| Traffic Engineer — Date | APPROVED BY: | TITLE: ORCHARD GARDENS PARK ADDITION PR-76-2 | | | SHEET 12 OF 19 |
| Fire — Date | DIRECTOR OF PUBLIC WORKS — R.E. NO. — DATE | SCALE: Horiz. 1"=20'-0" Vert. 1"= | DEPARTMENT OF PUBLIC WORKS CITY OF SUNNYVALE | | FILE NO. SHEET 8 of 11 |

THIS DETAIL APPLIES TO ALTERNATES "D & "E ONLY



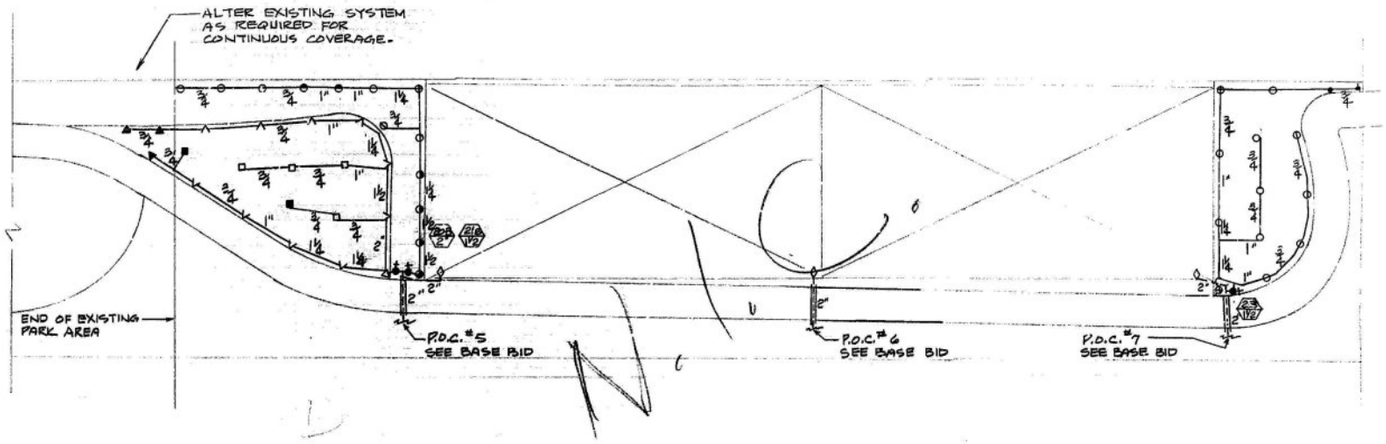

ALL LINE FROM THIS POINT TO QCV USE STD. G.I. FITTINGS.

WRAP ALL BELOW GRADE G.I. WITH .010 X 2" PE TAPE, USE HALF LAP.

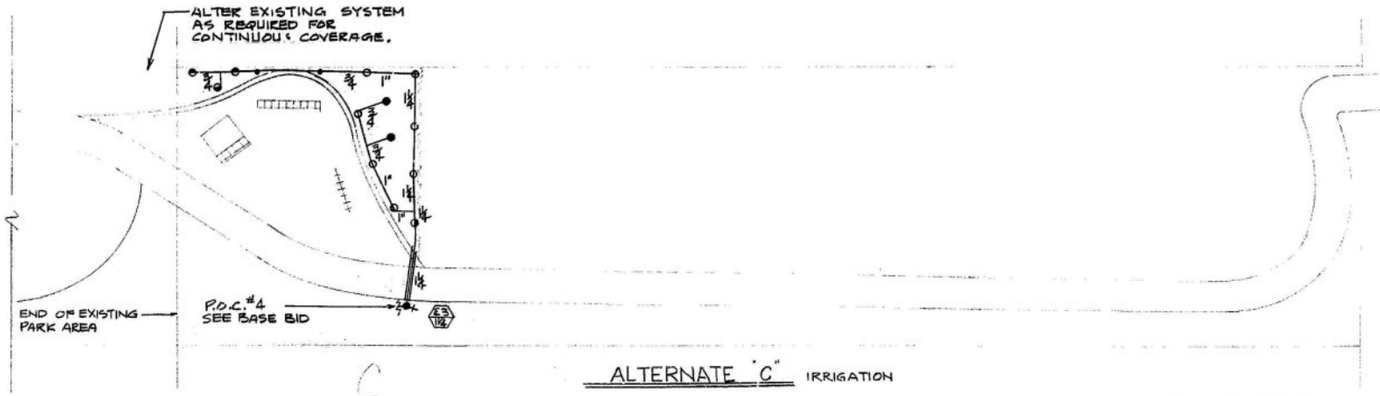
PAINT ABOVE GRADE G.I. WITH RUSTOLEUM - FLAT BLACK.

TYPICAL COURT QCV INSTALLATION

NO SCALE




ALTERNATE "D" IRRIGATION




ALTERNATE "C" IRRIGATION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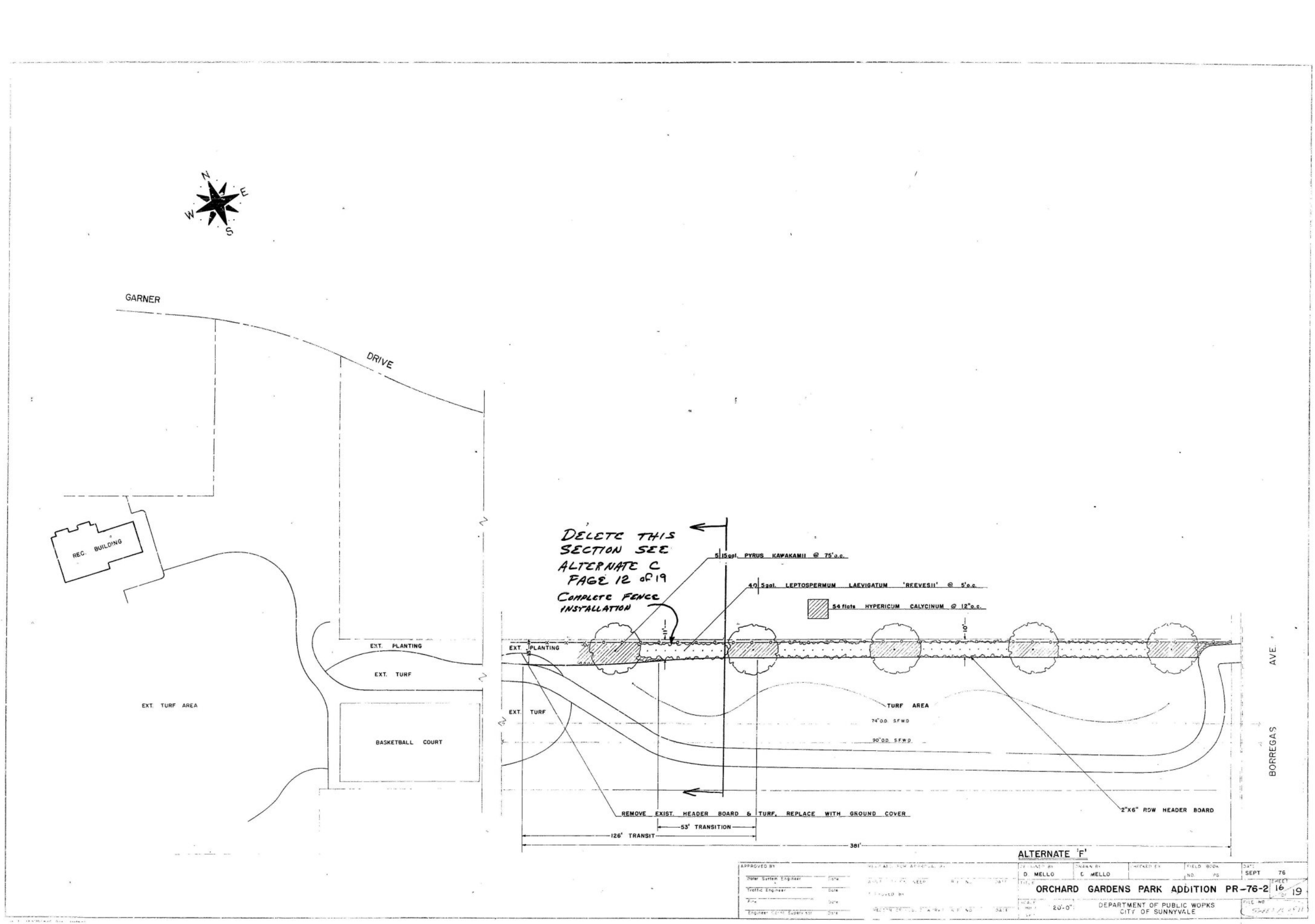
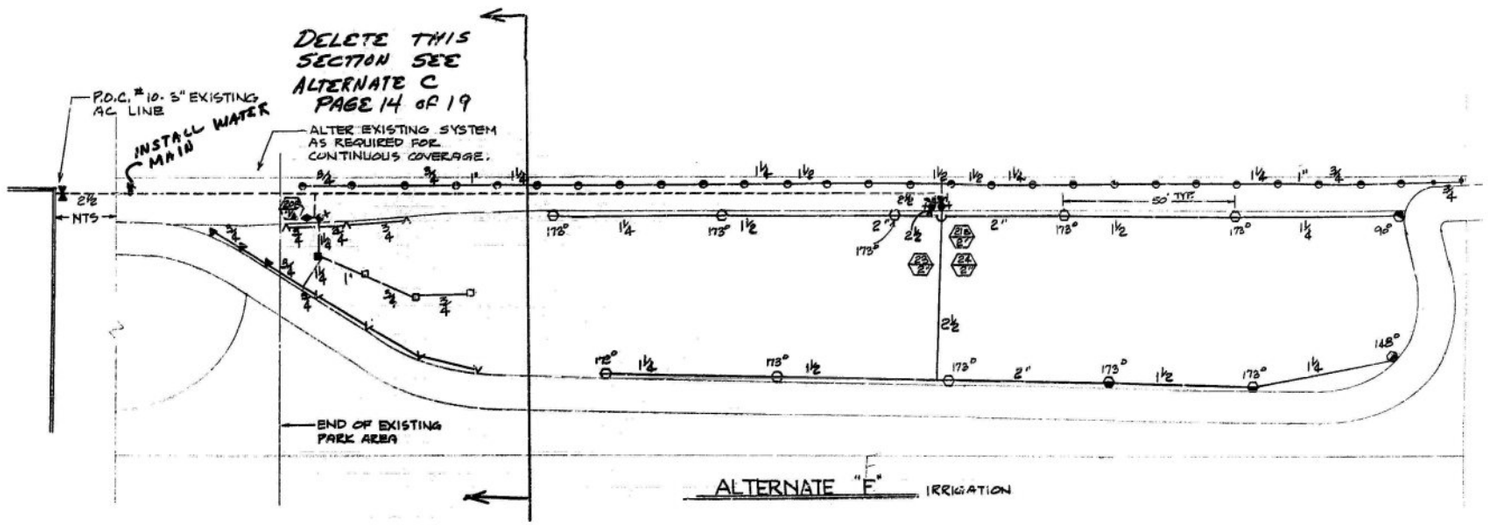
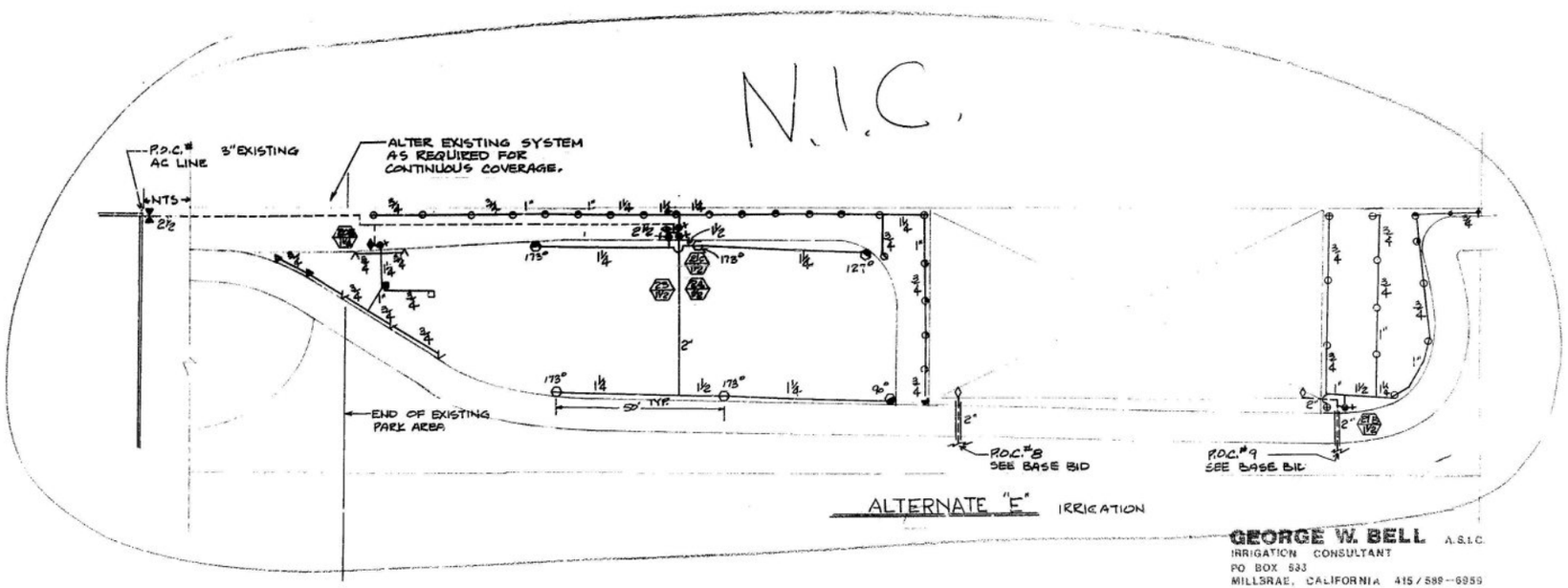
| | | | | | | |
|---|---|---|---|---|---|---|
| APPROVED BY: | REVIEWED FOR APPROVAL BY: | DESIGNED BY: G.B. | DRAWN BY: G.B. | CHECKED BY: | FIELD BOOK: NO. PG. | DATE: NOV. 20, 1976 |
| Water System Engineer Date | ASS'T. CITY ENGINEER R.E. NO. DATE | TITLE: ORCHARD GARDENS PARK ADDITION PR-76-2 | | | | SHEET 14 OF 19 |
| Traffic Engineer Date | APPROVED BY: | SCALE: Horiz. 1"= 20' Vert. | DEPARTMENT OF PUBLIC WORKS CITY OF SUNNYVALE | | | FILE NO. SHEET 9 of 11 |
| Fire Date | DIRECTOR OF PUBLIC WORKS R.E. NO. DATE | | | | | |
| Engineer Const. Supervisor Date | | | | | | |

01-P-L-14


N
E
W
S
GARNER
DRIVE
REC. BUILDING
EXT. PLANTING
EXT. TURF
EXT. TURF AREA
BASKETBALL COURT
DELETE THIS SECTION SEE ALTERNATE C PAGE 12 of 19
COMPLETE FENCE INSTALLATION
5 15gal. PYRUS KAWAKAMII @ 75'o.c.
40 5gal. LEPTOSPERMUM LAEVIGATUM 'REEVESII' @ 5'o.c.
54 flats HYPERICUM CALYCINUM @ 12"o.c.
11'
10'
EXT. PLANTING
EXT. TURF
TURF AREA
74"O.D. S.F.W.D
90"O.D. S.F.W.D
REMOVE EXIST. HEADER BOARD & TURF, REPLACE WITH GROUND COVER
2"X6" RDW HEADER BOARD
53' TRANSITION
126' TRANSIT
381'
BORREGAS AVE.
ALTERNATE 'F'
APPROVED BY
Water System Engineer
Traffic Engineer
Fire
Engineer
DESIGNED BY D. MELLO
DRAWN BY C. MELLO
CHECKED BY
FIELD BOOK NO. PG
DATE SEPT 76
TITLE ORCHARD GARDENS PARK ADDITION PR-76-2
SHEET 16 OF 19
SCALE HOR. 1" = 20'-0"
DEPARTMENT OF PUBLIC WORKS
CITY OF SUNNYVALE
FILE NO

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| APPROVED BY: | | REVIEWED FOR APPROVAL BY: | | DESIGNED BY: G.B. | DRAWN BY: G.B. | CHECKED BY: | FIELD BOOK: NO. PG. | DATE: NOV. 20, 1976 |
|---|---|---|---|---|---|---|---|---|
| Water System Engineer | Date | ASS'T. CITY ENGINEER | R.E. NO. DATE | TITLE: ORCHARD GARDENS PARK ADDITION PR-76-2 | | | | SHEET 17 OF 19 |
| Traffic Engineer | Date | APPROVED BY: | | | | | | |
| Fire | Date | DIRECTOR OF PUBLIC WORKS | R.E. NO. DATE | SCALE: Horiz. 1" = 20' ~~Vert. 1"~~ | DEPARTMENT OF PUBLIC WORKS CITY OF SUNNYVALE | | | FILE NO. SHEET 11 of 11 |
| Engineer Const. Supervisor | Date | | | | | | | |

CP-P 6 of 17