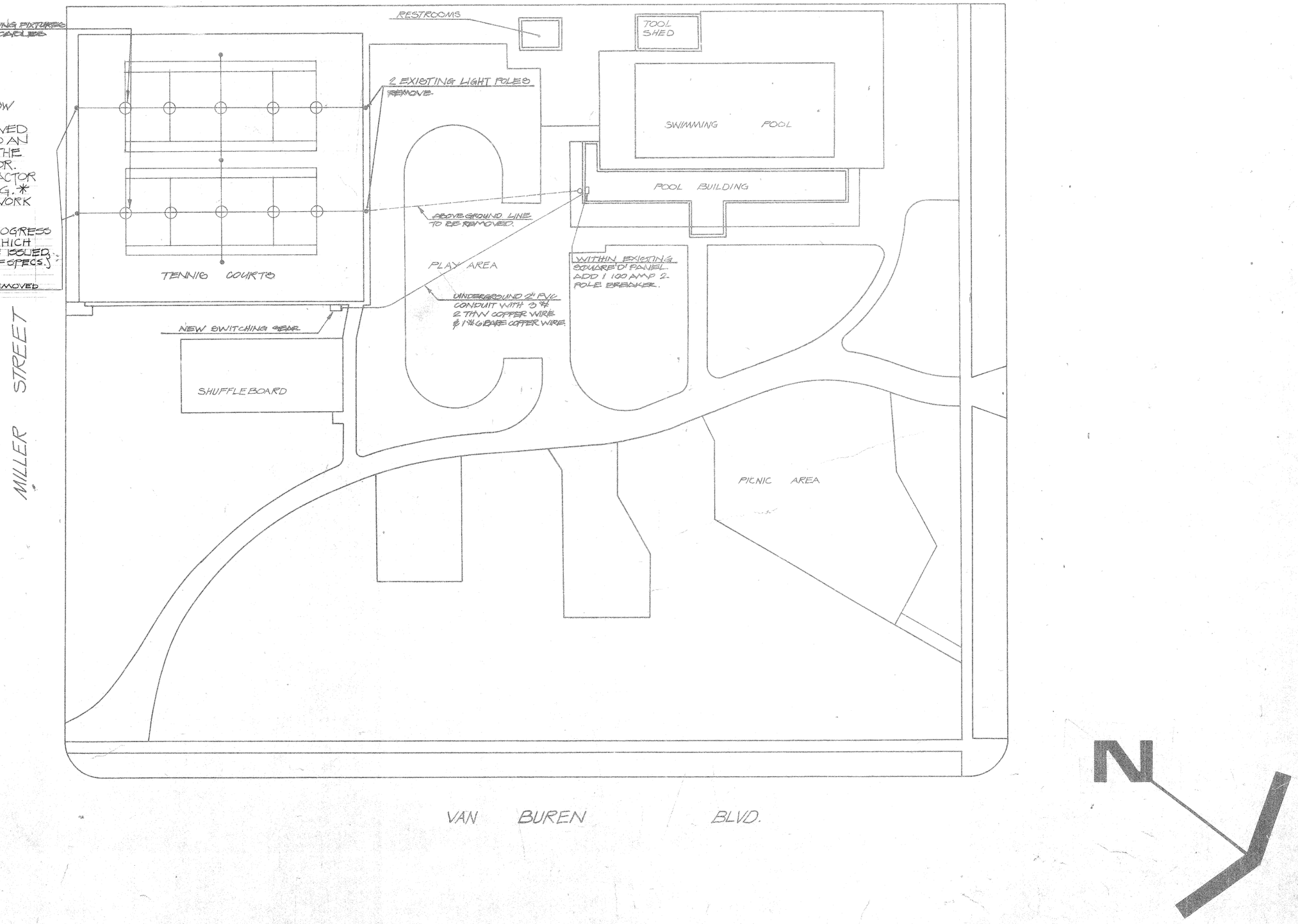
NOTES
1. THE ORIENTATION OF THE TWO TENNIS COURTS IS TO BE CHANGED FROM ITS PRESENT POSITION TO A NE-SW ORIENTATION.
2. ALL ITEMS TO BE REMOVED SHALL BE DELIVERED TO AN AREA DESIGNATED BY THE PARKS DEPT. INSPECTOR.
3. ALLOW RESURFACING CONTRACTOR TO COMPLETE RESURFACING. *
4. COMPLETE ELECTRICAL WORK

* APPROXIMATE TIME IN PROGRESS OF THE WORK DURING WHICH NOTICE TO CEASE MAY BE ISSUED. (SEE SPECIAL CONDITIONS OF SPECS.)



2 EXISTING LIGHT POLES TO BE REMOVED

REVISIONS:

JOB NO. 21-532-478

DATE:

PARK & REC. DEPT. CITY OF RIVERSIDE 2225 MARKET ST.

ARLINGTON PK. VAN BUREN & MILLER STREET RIVERSIDE, CA.

PLOT PLAN

SCALE: 1" = 20'

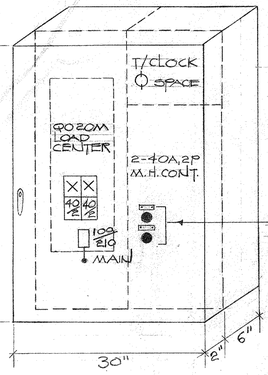
DESIGN BY: GRK

DRAWN BY: RDS

SHEET 1 OF 9

P-101-17

100A, 1φ 3W 120/240 W/PROOF CONTR. PEDESTAL MOUNT.



THE CONTROL SWITCHBOARD SHALL BE BOLTED TO THE ANGLE-IRON FRAME BY 2-1"X4" GALVANIZED STEEL HEX NUT BOLTS FROM UNDERNEATH AND BY 4-1"X4" GALVANIZED STEEL HEX NUT BOLTS FROM THE BACK. THEY ALL SHALL HAVE GALVANIZED STEEL FLAT WASHERS UNDER THE NUT.

2-3001 PUSH BUTTONS MTD. IN EXT. DOOR

FRAME TO BE CONNECTED TO FOOTING WITH 4-1"X10" GALVANIZED HEX NUTS AND GALVANIZED STEEL FLAT WASHERS.

1 INCH PVC CONDUIT WITH 4-#10 THW COPPER WIRE STRANDED AND 1-#10 BARE COPPER WIRE.

THE ANGLE-IRON FRAME SHALL BE ENCLOSED AND PROTECTED WITH 4 PANELS (ONE FOR EACH SIDE) OF 20 GAUGE SHEET METAL. THEY ARE EACH TO BE CONNECTED WITH 4-1"X4" GALVANIZED STEEL HEX NUT BOLTS AND GALVANIZED STEEL FLAT WASHERS. THE MOUNTING PEDESTAL AND ENCLOSURE PANELS ARE TO BE PAINTED THE SAME COLOR AS THE CONTROL SWITCHBOARD.

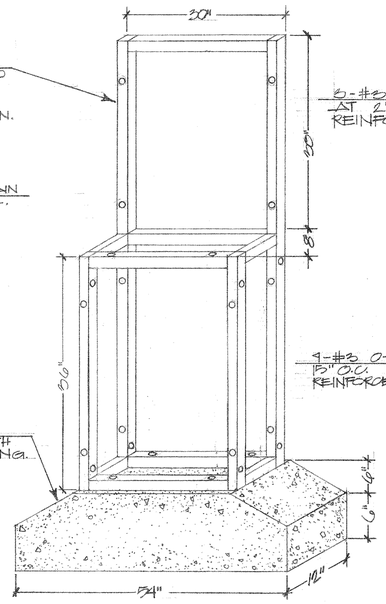
2 INCH PVC CONDUIT WITH 3-#2 THW COPPER WIRE AND 1-#6 BARE COPPER WIRE.

1" CONDUIT WITH 4-#10 THW COPPER WIRE STRANDED & 1-#10 BARE COPPER WIRE.

FRAME TO BE CONSTRUCTED OF 3 INCH U-SHAPED ANGLE-IRON.

EXISTING CHAIN LINK FENCE.

CONCRETE FOOTING WITH A 2000 PSI RATING.



5-#3 O-TIES AT 2" O.C. FOR REINFORCEMENT.

4-#3 O-TIES AT 15" O.C. FOR REINFORCEMENT.

6-#6 VERTICAL TIES WELDED TO THE O-TIES FOR REINFORCEMENT.

REINFORCED CONCRETE FOOTING AT A 2,000 PSI RATING.

4 GALVANIZED STEEL FLAT WASHERS AND 4 GALVANIZED STEEL HEX NUTS TO ANCHOR POLE BASE.

POLE BASE

4-1"X36" GALVANIZED STEEL RODS WITH A GALVANIZED STEEL FLAT WASHER AND A GALVANIZED STEEL HEX NUT AT BOTH ENDS OF EACH ROD. THE ENDS OF THESE RODS IN THE FOOTING ARE TO BE BENT APPROX. 6" UP AT A 90° ANGLE.

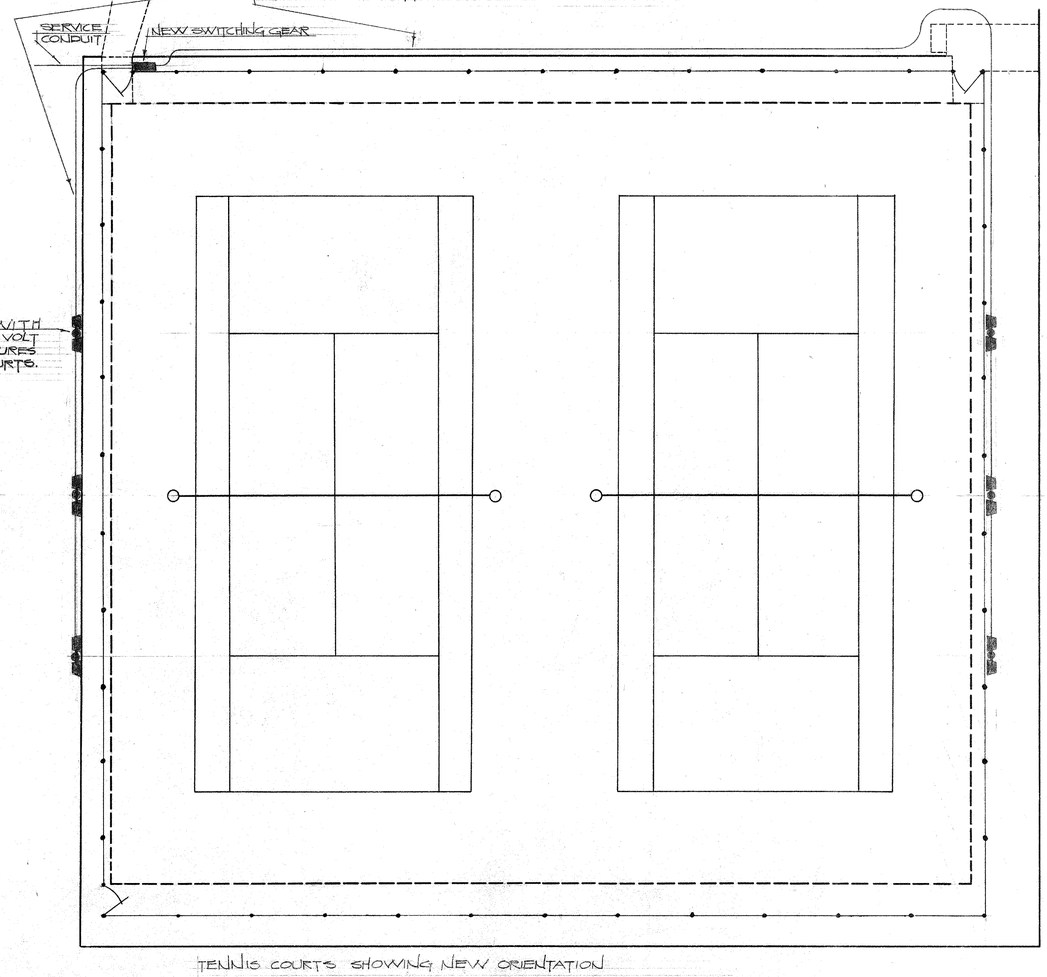
REINFORCED CONCRETE FOOTING RATED AT 3200 PSI

PLAN VIEW OF FOOTING.

SCALE: 3/4"=1'-0"

11" DIA. CIRCLE BOLT PATTERN

LIGHTING FIXTURES USED SHALL BE ONE OF THESE 3 TYPES:
1. McGRAW EDISON 1000 WATT #FL2151 (240V).
2. CROUSE-HINDS 1000 WATT #MAIGMHP7 (240V).
3. GENERAL ELECTRIC 1000 WATT #8478 (240V).
LAMPS USED IN EA. FIXTURE TO BE 1000 WATT MULTI-VAPOR CLEAR LAMPS THAT CAN BURN IN ANY POSITION & HAVE AN AVG. LIFE OF 10,000 HRS. WITH AN INITIAL AVG. LUMENS FOR VERT. OPERATION OF 110,000 & A MEAN AVG. LUMENS FOR VERT. OP. OF 88,000.



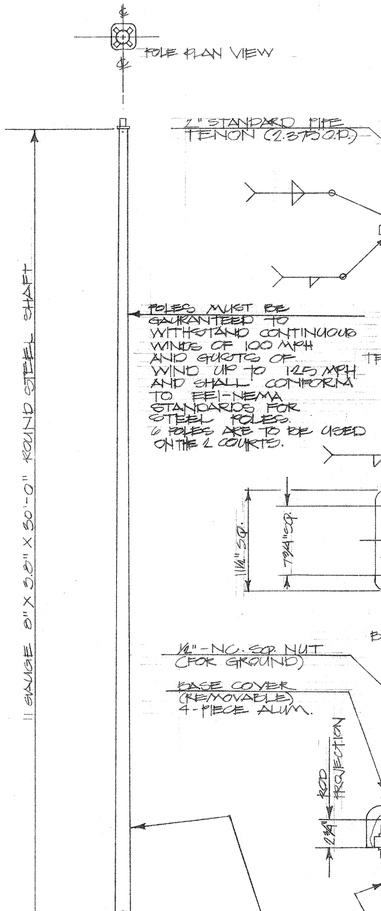
NG POLE WITH WATT 240 VOLT HALIDE FIXTURES ABOVE COURTS.

TENNIS COURTS SHOWING NEW ORIENTATION

POLE PLAN VIEW

ORNAMENTAL ALUMINUM POLE TOPS ARE TO BE FURNISHED WITH EACH POLE.

2" STANDARD FIRE TENON (2.375 O.D.)



POLES MUST BE GUARANTEED TO WITHSTAND CONTINUOUS WINDS OF 100 MPH AND GUSTS OF WIND UP TO 120 MPH AND SHALL CONFORM TO EEI-NEMA STANDARDS FOR STEEL POLES. 6 POLES ARE TO BE USED ON THE 2 COURTS.

POLES: THE LIGHTING POLES ARE TO BE HOT DIPPED GALVANIZED SHAFTS FABRICATED FROM 11-GAUGE MILD, LOW CARBON STEEL AND COLD PROCESSED TO A MINIMUM YIELD STRENGTH OF 55,000 PSI. THE POLES ARE TO BE 50 FEET TALL WITH AN 8" DIAMETER BASE TAPERING TO 3.81" DIAMETER AT THE TOP OF THE POLE, AND FURNISHED WITH A 2" STANDARD FIRE TENON WITH A 2.375" O.D.

TENON DETAIL

4¼" O.D. TOP PLATE WITH 2 7/16" DIA. CENTER HOLE.

INSTALL KELLUM GRIP

MAST ARM FITTINGS: THE POLES ARE TO BE FURNISHED WITH WEATHERPROOF MAST ARM FITTINGS THAT SIMPLY ATTACH WITH CAP SCREWS. THE ARM ATTACHMENT MOUNTINGS SHALL HOLD 2 FIXTURES BOTH FACING ONE DIRECTION.

5'-6"

2⅜" OD

15"

10"R

8"

SIMPLEX ARM ATTACHMENT

11" DIA CIRCLE BOLT PATTERN

BASE DETAIL

¾"-NC. SQ NUT (FOR GROUND)

BASE COVER (REMOVABLE) 4-PIECE ALUM.

4"X6½" HANDHOLE REINFORCED FRAME & COVER.

ROD PROJECTION

8"

RUN CONDUIT UP INSIDE POLE.

1" DIA. X 36" GALVANIZED STEEL ANCHOR ROD.

NORTH

0 2 5 10

TENNIS COURTS

ARLINGTON PK.
VAN BUREN & MILLER ST.

LIGHTING

SCALE: 1"=10'

DESIGN GRK

R.I.L.

2 9

31-532-478

P-121-18

AREA WITHIN FENCE
BE SURFACED &
OATED

CUT FABRIC TO MEET TOP OF HEADER
BEND WIRE MESH TO INHIBIT UNRAVELING

2X6 REDWOOD HEADER AROUND
PERIMETER OF COURT

COLORCOATING

SURFACE COURSE OF HOT
PLANT MIX W/ AGGREGATE
SIEVE SIZE OF NO. 4

LEVELING COURSE OF HOT
PLANT MIX W/ 3/4"
AGGREGATE SIZE

BASE COURSE OF CLASS II
CRUSHED AGGREGATE

EXISTING CONCRETE SURFACE

H SOIL & COMPACT
COMPACTION TO
BASE COURSE
REDWOOD HEADER
T ON MILLER ST.

1"
2"

WIDTH VARIES TO MAKE
GRADE.

APPROX. WIDTH 4"

SUBGRADE COMPACT TO 95%

RESURFACING DETAIL

3½' 3' 3½'

FENCE POST
REDWOOD HEADER
REDWOOD STAKE
2X4"X 18"

HEADER STAKING PLAN

EXISTING GRADES
PROPOSED GRADES

GRADES ARE SET TO
MAINTAIN A 1% SLOPE
FROM MILLER ST. TOWARD PARK

POINT OF SPECIFIED GRADE

GRADES

EXISTING FENCE
2X6 REDWOOD HEADER
RESURFACED COURTS

2" OF ⅜" A.C. - SPREAD & COMPACT
THE SAME WAY AS STATED IN
SPECS. FOR THE LEVELING COURSE.

EXISTING CURB

MILLER STREET

SUBGRADE - GRADE & BRING TO
95% COMPACTION, IF FILL IS NEEDED
USE CLASS II BASE

WALKWAY DETAIL A-A,

NET POST REMOVAL

EXISTING POST

REMOVE HARDWARE FROM
EXISTING POSTS; HARDWARE SHALL
BE USED ON NEW POSTS.

REMOVE EXISTING POSTS AT THIS
POINT THEN FILL PIPE WITH
CONCRETE; THE MATERIAL WILL BE
FLUSH WITH EXISTING SURFACE.

EXISTING CONCRETE FOOTING
DEPTH & THICKNESS UNKNOWN

NET POST INSTALLATION DETAIL

SAFETY RACHET WHEEL
PULLEY WHEEL ATTACHMENT

EXISTING NETS TO BE
REINSTALLED

42"

3½" O.D. GALVANIZED
PIPE TENNIS
POST

36"

2½"

18"

12"

1"

⅜" GALVANIZED
BOLT W/ HEX NUT
& FLAT WASHER

18"X6"X6"
CONCRETE
FOOTING

2" O.D. X 18"
GALVANIZED
PIPE (CENTER
STRAP ANCHOR)

3½" O.D. GALVANIZED PIPE
TENNIS POST

RESURFACING MATERIAL

EXISTING CONCRETE
SURFACE

36"X18"X18" CONCRETE FOOTINGS

AFTER CONSTRUCTION, 2" WIDE
PLAYING LINES SHALL BE ACCURATELY
LOCATED, MARKED & PAINTED WITH THE
WHITE PAINT SPECIFIED.

4'-6" 13'-6" 13'-6" 4'-6"

18'
21'
21'
18'

3'
13'
NEW
POSTS

NOTE: WITHIN THE BORDER OF THE
PLAYING LINES, THE COURTS SHALL
HAVE A GRASS GREEN COLOR
COATING; OUTSIDE THE PLAYING LINES,
THE REST OF THE COURT, SHALL HAVE
A BRICK RED COLOR COATING. BEFORE
THE COLOR COATS ARE PLACED, APPROVAL
OF THE COLORS SHALL BE OBTAINED
FROM THE PARK PROJECTS SPECIALIST
OF THE PARKS DEPT.

LINE PAINT DETAIL

EXISTING FENCE
2X6 REDWOOD HEADER
EXISTING EARTH SURFACE
EXISTING CONCRETE SURFACE

RAISE GATE TO ENABLE
OVER HEADER

RAISE GATE TO FIT
OVER HEADER

SURFACE AREA WITH 2" OF ⅜" A.C.
FROM NEW GRADE TO FLUSH WITH CURB

CURB

A

A

MILLER STREET

55'

55'

9' 13' 9'

INSTALL 2X4 REDWOOD HEADER
WITH 3, 2X4 X 18 REDWOOD STAKE

RAISE GATE TO ENABLE OPENING
OVER HEADER & RESURFACING

STARTING POINT AT FENCE CORNER
FOR 10' INTERVAL

NOTES

1. EXISTING LIGHT POLES & LAMPS SHALL BE REMOVED BY BY THE ELECTRICAL CONTRACTOR
2. REMOVE EXISTING NET & STORE TO REUSE.
3. REMOVE EXISTING NET POSTS
4. CUT SQUARES IN CONCRETE SURFACE FOR PLACEMENT OF FOOTINGS FOR NET POSTS & CENTER STRAP ANCHOR.
5. REMOVE FABRIC FROM FENCE ON MILLER ST. SIDE.
6. INSTALL CLASS II BASE TO OBTAIN 1% SLOPE & TO 95% COMPACTION. APPLY STERILENT TO INHIBIT PLANT GROWTH.
7. INSTALL 2 X 6 REDWOOD HEADER AROUND PERIMETER JUST INSIDE FENCE.
8. PAVE LEVELING COURSE, INCLUDING AREA FROM FENCE TO MEET CURB ON MILLER ST. SIDE.
9. PAVE SURFACE COURSE
10. CUT SQUARES & PLACE NET POSTS & CENTER STRAP ANCHOR
11. REINSTALL FABRIC ON FENCE
12. FLOOD COURTS TO CHECK DEPRESSIONS AND REPAIR.
13. APPLY RESURFACER
14. APPLY COLORCOATINGS
15. ALLOW TO CURE FOR 24 HOURS
16. APPLY WHITE PLAYING LINE PAINT
17. ALLOW TO CURE FOR A MINIMUM OF 4 DAYS
18. ALL REMOVALS TO BE DISPOSED OF SHALL BE TAKEN OFF THE SITE.

NORTH

REVISIONS:

JOB NO.:

DATE:

PARK & RECREATION DEPARTMENT
CITY OF RIVERSIDE
2225 MARKET

ARLINGTON PK.
VAN BUREN &
MILLER ST.

RESURFACING PLAN

SCALE: 1"=10'

DESIGN BY: GR. KLING

DRAWN BY: GR. KLING

SHEET 4 OF 4

APPENDIX D-9

D-101-16

MILLER STREET

BENCHMARK: 788.35
STND DISC STAMPED "O-38 1924"
AT PUBLIC LIBRARY AT ROOSEVELT
STREET AND MAGNOLIA AVE

1-28-76
Steele

NORTH

0 2 5 10

TENNIS COURTS

REVISIONS:

JOB NO.: 31-532-478

DATE:

PARK & RECREATION DEPARTMENT
CITY OF RIVERSIDE
2225 MARKET

ARLINGTON PK.
VAN BUREN &
MILLER ST.

LIGHTING PLAN

SCALE: 1"=10'

DESIGN BY:

DRAWN BY: R.I.L.

SHEET OF