RECONSTRUCTION OF CERTAIN BASKETBALL/TENNIS COURTS AND PEDESTRIAN SURFACES

PHASE II

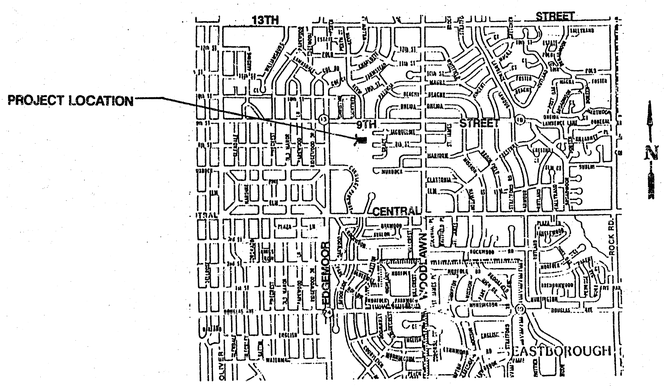
PLANS FOR

TENNIS COURT RECONSTRUCTION (4 COURTS) AND NEW TENNIS COURT CONSTRUCTION (4 COURTS) IN EDGEMOOR PARK

CITY OF WICHITA, KANSAS

INDEX NO. 785196

PROJECT NO. 472-82199



M.E. LINDEBAK - CITY ENGINEER

INDEX

Sheet No.	Description
1	TITLE SHEET
2	GENERAL NOTES/COURT LAYOUT/SWALE CONSTRUCTION
3	SITE PLAN/COORDINATE SYSTEM
4	SIDEWALK APPROACH TO NEW TENNIS COURTS
5	CONSTRUCTION PLAN - NEW TENNIS COURTS
6 - 7	TYPICAL FENCE SECTIONS - NEW TENNIS COURTS
8	TENNIS COURT ENTRANCE DETAILS
9	MISCELLANEOUS DETAILS - NEW TENNIS COURTS
10 - 11	CONSTRUCTION PLAN - RECONSTRUCTED TENNIS COURTS
12	TYPICAL FENCE SECTIONS - RECONSTRUCTED TENNIS COURTS
13	MISCELLANEOUS DETAILS - NEW & RECONSTRUCTED TENNIS COURTS
14	~~LIGHTING SITE PLAN~~
15	~~LIGHTING DETAILS~~
16 - 18	CROSS-SECTIONS

BENCH MARK SUMMARY

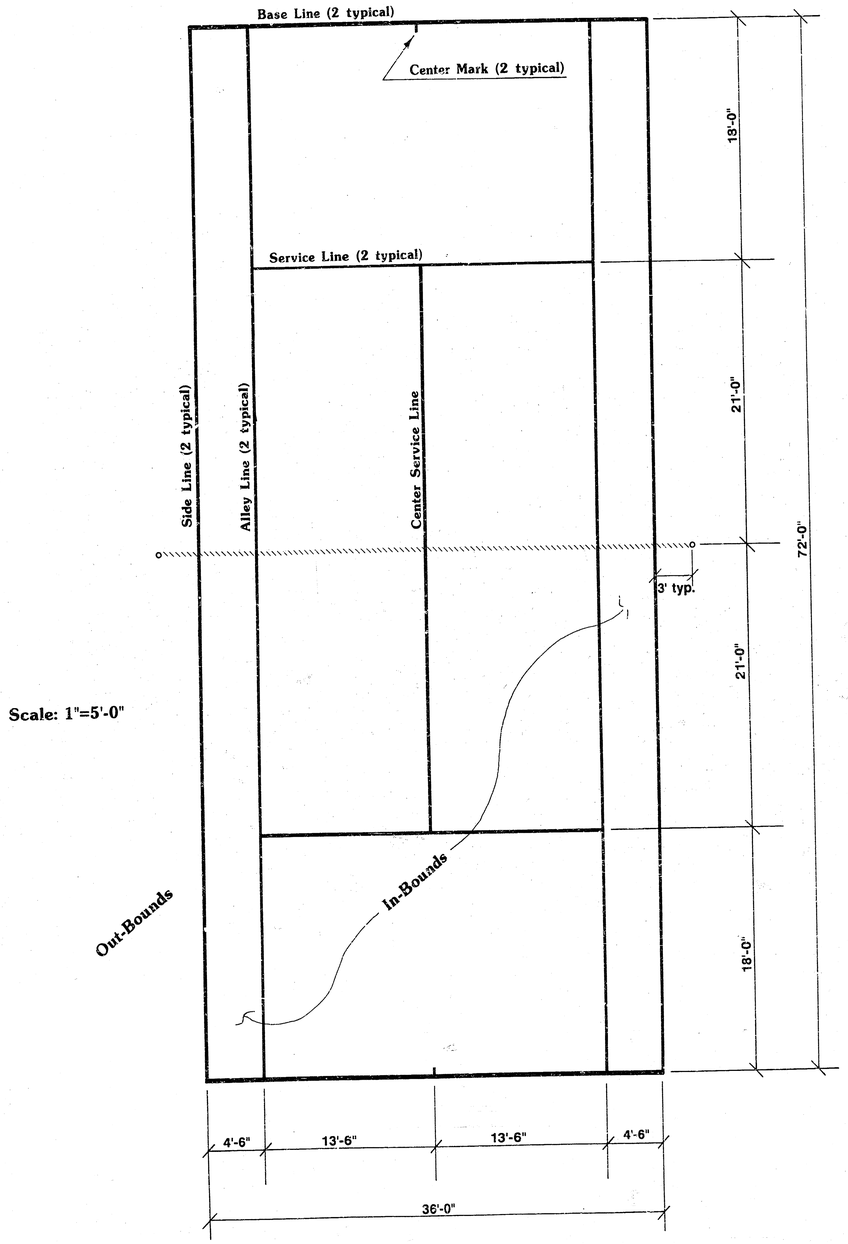
B.M. = North West Corner Concrete Wall at the
North West Corner of Existing Tennis Courts.
Elev. = 189.96

Revised Sept. 1, 1992

DONALD E. SCHNEIDER
LICENSED
6311
KANSAS
PROFESSIONAL ENGINEER

TELEDYNE NATIONAL NO. 185A 24X36

Recommended Tennis Court Layout



Scale: 1"=5'-0"

General Notes

1. Surface Coloring: The In-Bounds area shall be painted Spring Green, and the Out-Bounds area shall be painted Summer Red. See supplemental specifications for painting asphaltic concrete tennis courts.

2. Markings: Center Mark along Base Line to be 4" long by 2" wide from center of each baseline into courts. Baseline to be 4" wide. All other lines to be 2" wide.

3. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. The contractor will be required to remove the underground conduit and wire to the existing abandoned light pole if the presence of such exists within the proposed tennis court construction area.

4. Rubble from the removal of miscellaneous structures and excavation which is to be wasted shall be disposed of on sites to be provided by the contractor. These sites shall be approved by the Engineer as to the suitability, appearance, and site location. Locations that, in the opinion of the Engineer, will leave an unsightly appearance will not be approved.

   All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed of in a flood plain would require a Kansas Board of Agriculture permit. Any material dumped in waters of the United States or wetlands is subjected to U.S. Corps of Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits would require additional archaeological investigations unless buried in a previously approved borrow location.

5. The contractor shall be responsible for preserving property irons. The contractor will be required to re-establish any property irons which are damaged or destroyed by his/her construction operations. Such irons shall be re-established by a licensed land surveyor or a licensed professional engineer.

6. Borrow material shall be furnished by the contractor (see supplemental specifications).

7. Preparation of Subgrade: As per City of Wichita, Kansas standard specifications titled 'Concrete Pavement'.

8. Concrete: As per City of Wichita, Kansas standard specifications titled 'Concrete Pavement'.

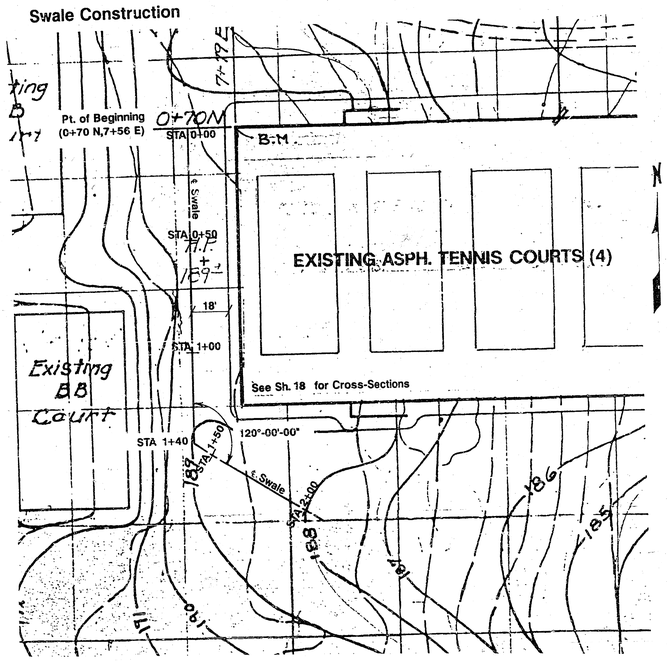
9. Asphalt: As per City of Wichita, Kansas supplemental specifications titled 'Post Tension Concrete Tennis Courts'. No salvaged hot mix asphaltic materials (0 %) may be recycled and combined with new materials. A tack coat shall be required prior to placing the asphalt mixture.

10. Slope Requirements: The finished tennis court surface for each court shall slope in a true plane as indicated on drawings.

11. The contractor must examine the construction site prior to bidding and be satisfied as to the work shown for completion. After bids have been received, the contractor shall not assert that there was a misunderstanding of the quantities of work or the nature of the work to be completed.

12. All construction and materials, unless otherwise noted, shall comply with the City of Wichita Specifications and Standards.

Swale Construction



Scale: 1"=30'-0"

EDGEMOOR PARK		
SCALE:	APPROVED BY	DRAWN BY
DATE:		
GENERAL NOTES/COURT LAYOUT SWALE CONSTRUCTON		
PROJ. NO. 472-82199 INDEX NO. 755196		DRAWING NUMBER

9TH ST.

8TH ST.

EDGEMOOR ST.

JACQUELINE

GRACE

Gas Meter

Meter Vault

Meter Vault

Pool

Bathhouse

RECREATION CTR.

PARKING LOT

PROPOSED TENNIS COURT CONSTRUCTION (4)

EXISTING ASPH. TENNIS COURTS (4)

Existing BB Court

Existing BB Court

EXISTING BACKSTOP TOP OF CURB ELEV. 197.12

SOFTBALL

B.M.

H.P. 193.1

H.P. 189.1

H.P. 169.1

H.P. 172.3

H.P. 172.3

1+70

1+70

P.M. NorthWest Corner Concrete Wall NorthWest Corner Existing Tennis Courts. Elev. 189.96

---- EXISTING CONTOURS

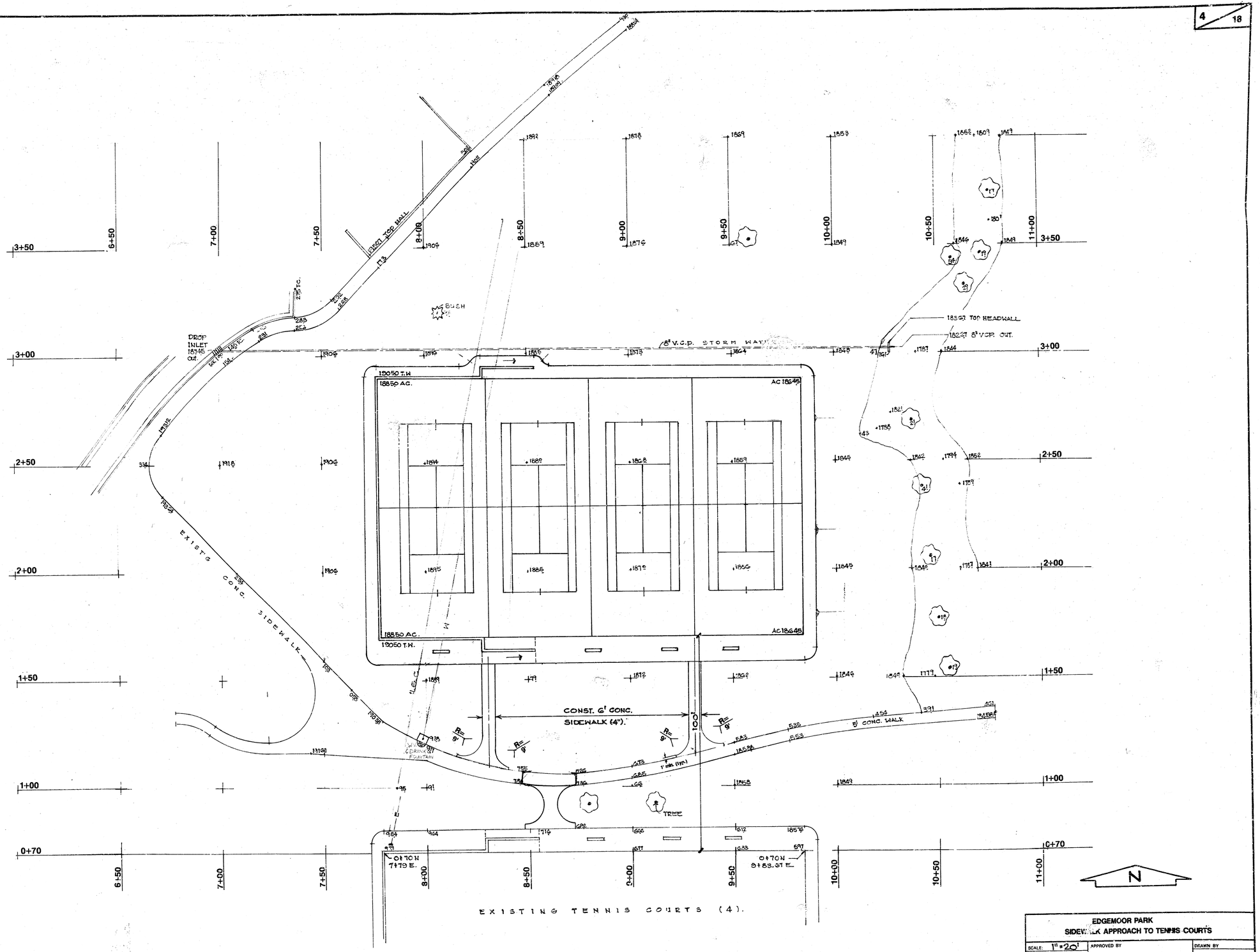
——— PROPOSED CONTOURS

EDGEMOOR PARK

SITE PLAN & COORDINATE SYSTEM

PROJ. NO. 472-82199
INDEX NO. 78519S

DATE	DRAWN	SCALE
		1" = 50'



EDGEMOOR PARK
SIDEWALK APPROACH TO TENNIS COURTS

SCALE: 1" = 20'	APPROVED BY	DRAWN BY
DATE:		

New Tennis Court Construction

PROJ. NO. 472-82199 INDEX NO. 785196	DRAWING NUMBER

TELLEDYNE NATIONAL NO. 1059-24X36

N

SCALE 1"=10'

STATION 2+92.00 N 7+79.00 E

TOP OF PLAYING SURFACE = 188.50'

TOP OF WALL = TOP OF WALK = 190.50'

STATION 1+92.00 N 9+83.00 E

TOP OF PLAYING SURFACE = TOP OF WALK = 186.45'

SEE SECTION JJ FOR LARGER SCALE PLAN VIEW

WALL WITH BRICK FACE

4" CONCRETE SIDEWALK

2' Retaining Wall

2' Open Space.

Use same pole spacing as opposite side.

4' Man Gate, this location only.

CENTER ANCHOR SEE DETAIL SH 13

NET POST DETAILS SEE SH 13

RETAINING WALL DETAILS SEE SH 6

BENCH

BENCH DETAILS SEE SH 9

18" Clear Opening

Ramp DOWN Begins (typ. opposite side)

Wall with Brick Face

Ramp UP Begins (typ. opposite side)

RAMP CONSTRUCTION DETAILS SEE SH 8 & 13

204'-0"

122'-0"

NOTE: Light Pole Base to Clear 5' Sidewalk.
Light Pole Bases to be Installed as a Later Project.

Remaining pole spacing same as opposite side.

STATION 1+70.00 N 7+79.00 E

TOP OF PLAYING SURFACE = 188.50'

TOP OF WALL = TOP OF WALK = 190.50'

STATION 1+70.00 N 9+83.00 E

TOP OF PLAYING SURFACE = TOP OF WALK = 186.45'

Detail Summary - New Courts

SECTION	DESCRIPTION	SHEET
"A" - "A"	Center Anchor	13
"B" - "B"	Post-Tension Concrete Key Joint	13
"C" - "C"	Retaining Wall - Cross-Section	6
"D" - "D"	Retaining Wall - Longitudinal View	6
"G" - "G"	10' Fence - Cross-Section	7
"H" - "H"	10' Fence - Longitudinal	7
"I" - "I"	Entrance Ramp - Longitudinal View	8
"J" - "J"	Entrance Ramp - Plan View	8
"K" - "K"	Entrance Ramp - Cross-Section	13
"L" - "L"	Entrance Ramp - End Wall	13
"M" - "M"	Entrance Ramp - End Wall	13
"N" - "N"	Net Post - Parallel to Net	13
"O" - "O"	Net Post - Perpendicular to Net	13
"P" - "P"	Bench - Lateral Cross-Section	9
"Q" - "Q"	Bench - Lateral Elevation	9
"R" - "R"	Bench - Longitudinal Cross-Section	9
"S" - "S"	Bench - Longitudinal Elevation	9
	Man Gate Detail	9
	Load Transfer Expansion Joint (E.J.)	9
	Fence End Detail	9
	Key Joint Detail (K.J.)	13

EDGEMCOR PARK

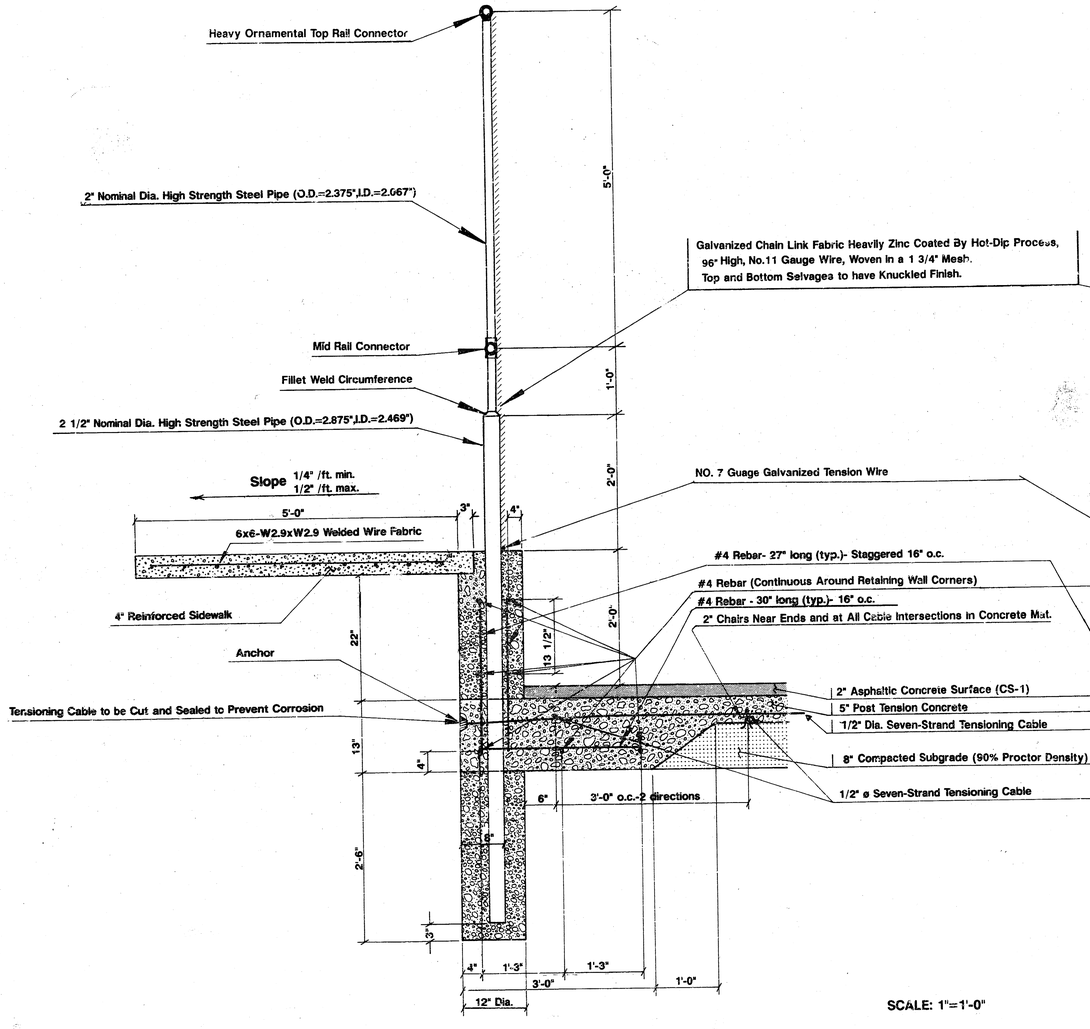
SCALE:	APPROVED BY	DRAWN BY
DATE:		

CONSTRUCTION PLAN
NEW COURTS

PROJ. NO. 472-82199
INDEX NO. 765196

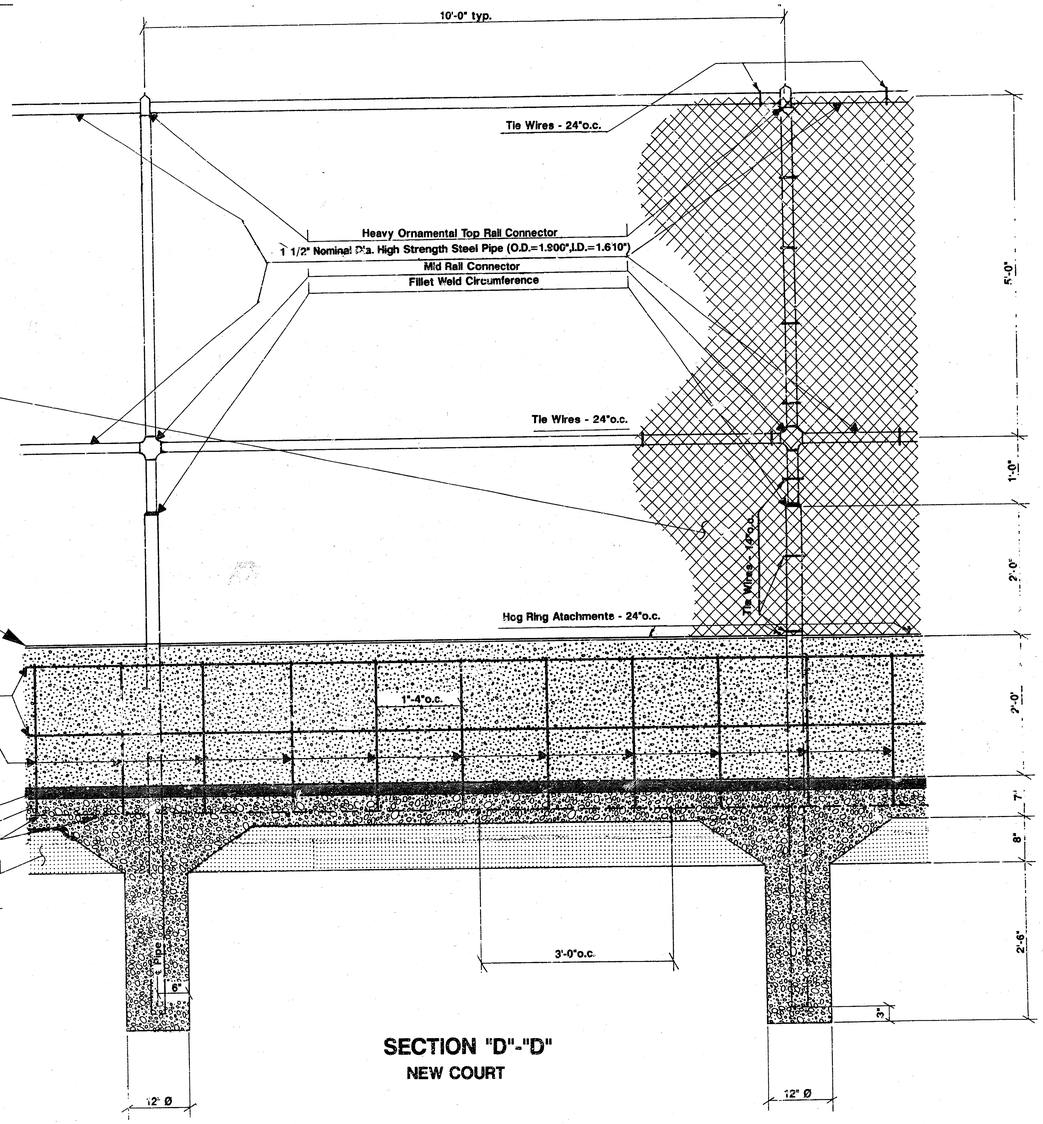
DRAWING NUMBER

All Posts, Connectors, and Fittings to be Hot-Dip Galvanized inside and Outside.



SCALE: 1"=1'-0"

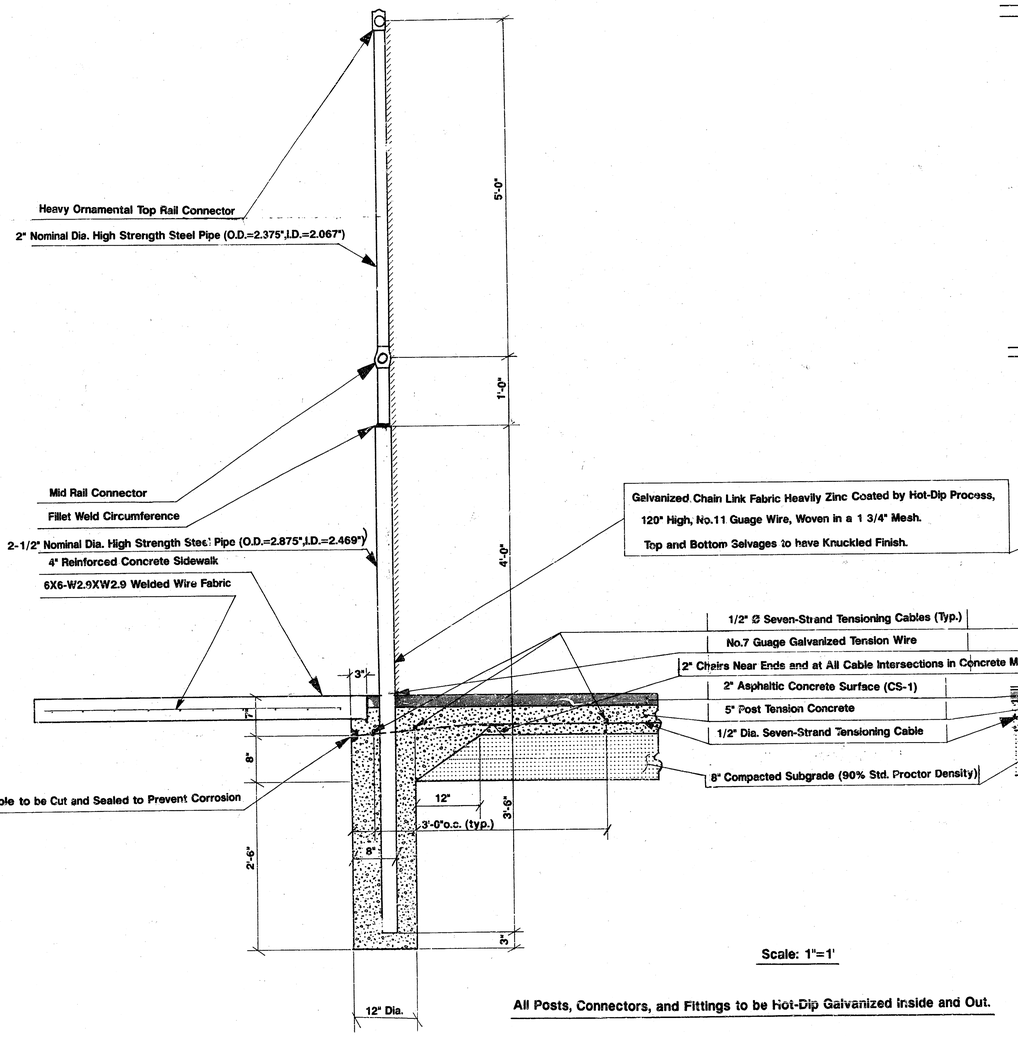
SECTION "C"-"C"
NEW COURT



SECTION "D"-"D"
NEW COURT

EDGEMOOR PARK		
SCALE:	APPROVED BY	DRAWN BY
DATE:		
TYPICAL RETAINING WALL FENCE SECTIONS New Court Construction Details		
PROJ. NO. 472-82199 INDEX NO. 785196		DRAWING NUMBER

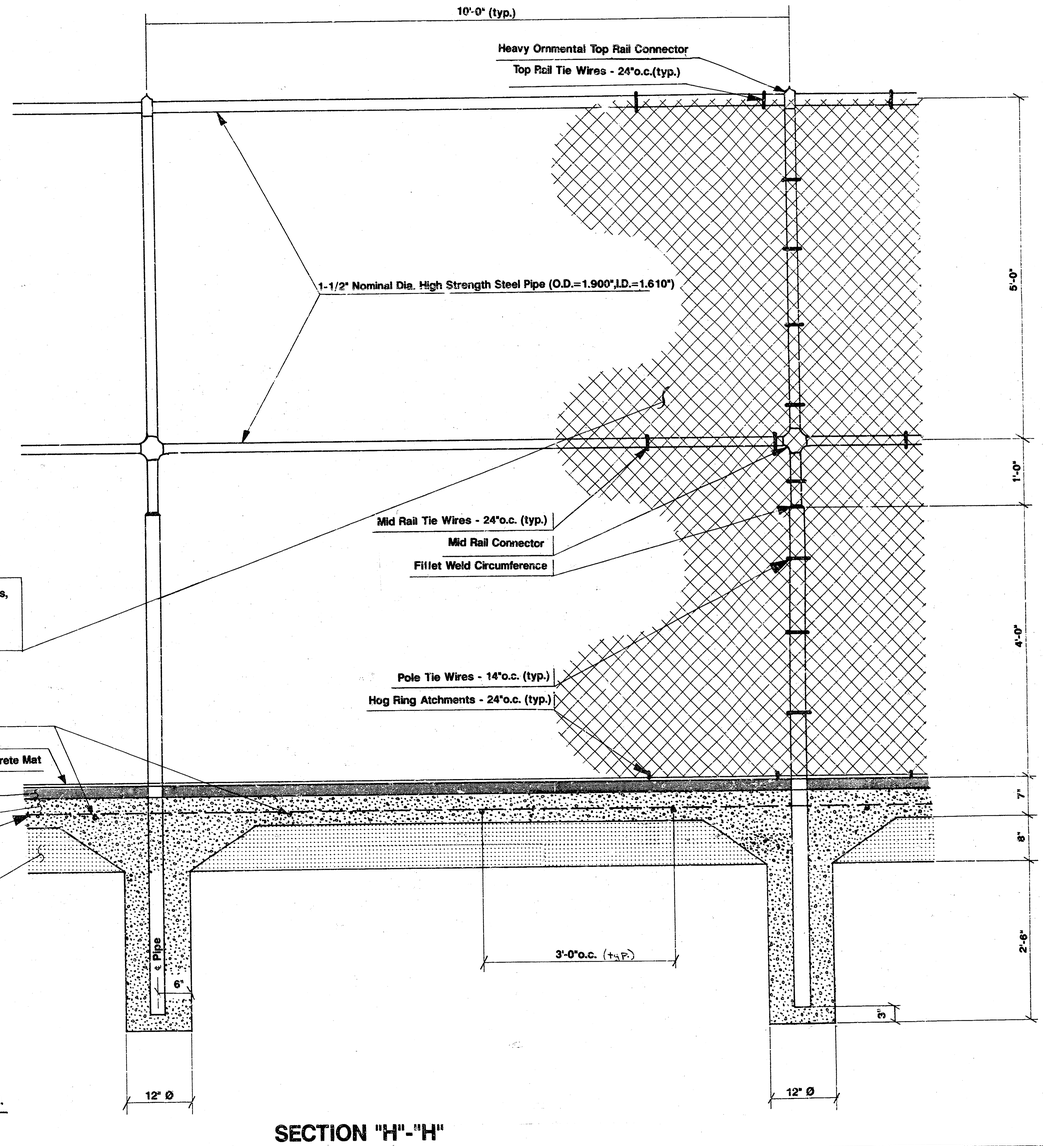
TELEDYNE NATIONAL NO. 1880-24X36



Scale: 1"=1'

All Posts, Connectors, and Fittings to be Hot-Dip Galvanized inside and Out.

SECTION "G"-"G"
NEW COURT



SECTION "H"-"H"
NEW COURT

EDGEMOOR PARK

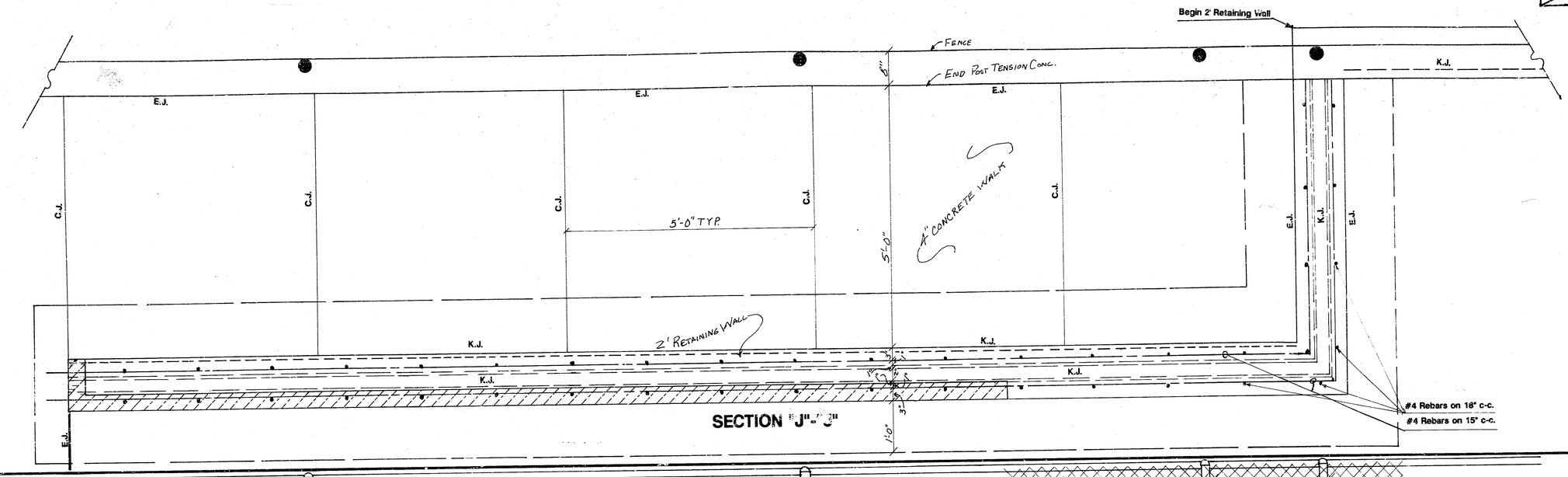
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DATE:		

New Tennis Court Construction
TYPICAL 10' FENCE SECTIONS

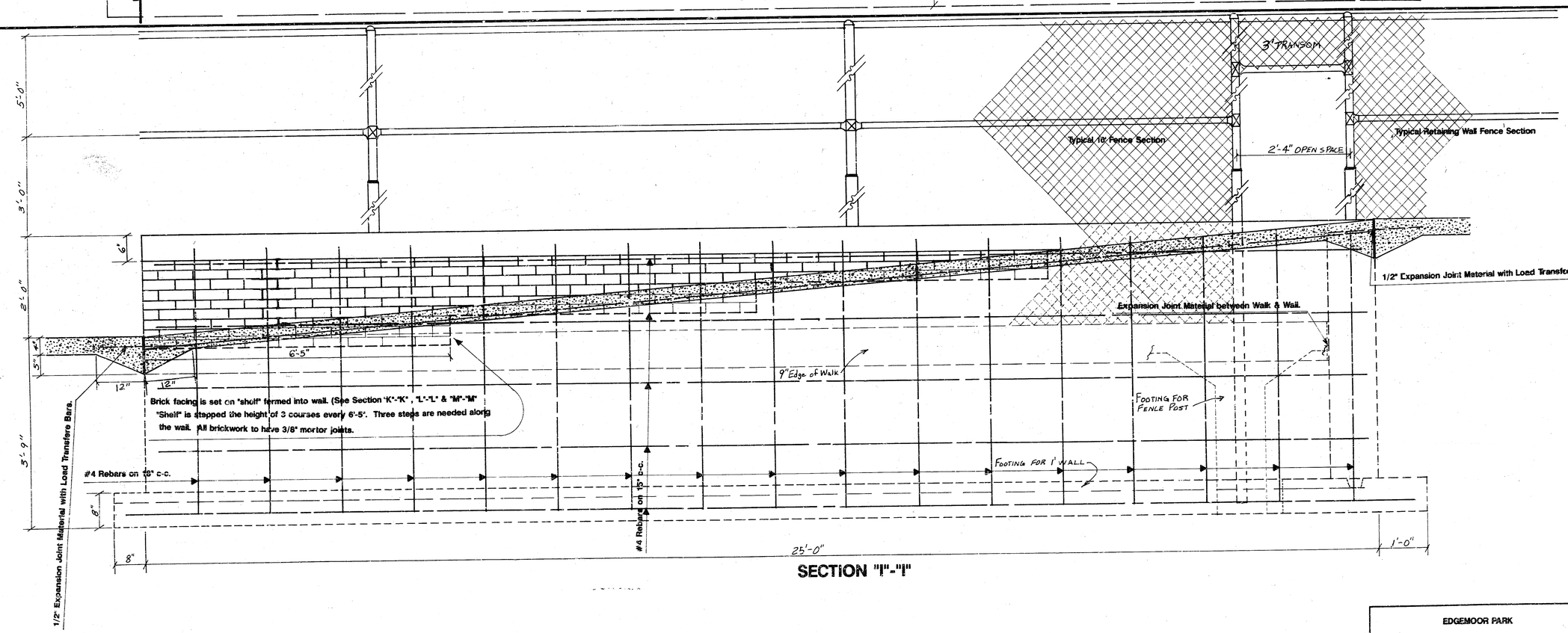
PROJ. NO. 472-82199
INDEX NO. 785196

DRAWING NUMBER

TELEDYNE NATIONAL NO. 1854-24136



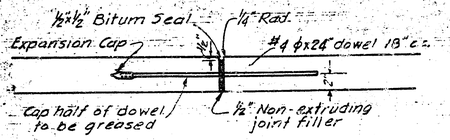
SECTION "J"-"J"

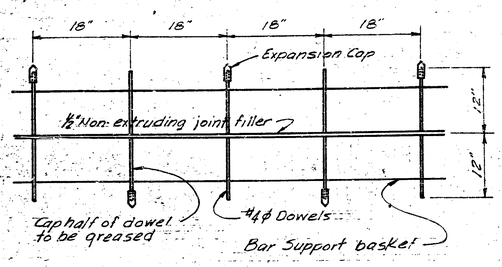


SECTION "I"-"I"

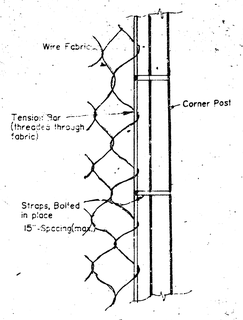
EDGEMOOR PARK		
SCALE:	APPROVED BY	DRAWN BY
DATE:		
TENNIS COURT ENTRANCE DETAILS NEW COURTS		
PROJ. NO. 472-82199 INDEX NO. 785196		DRAWING NUMBER

TELEDYNE NATIONAL NO. 1884-24336





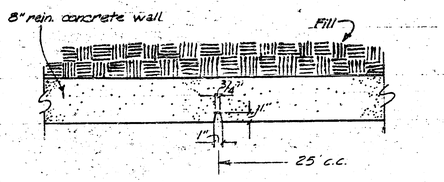
Load Transfer Expansion Joint
No Scale



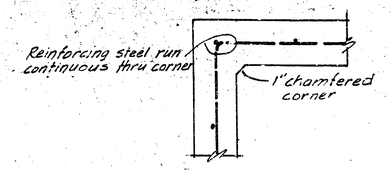
FENCE END DETAIL



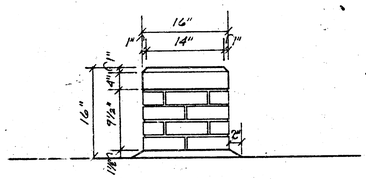
Partial Elevation View



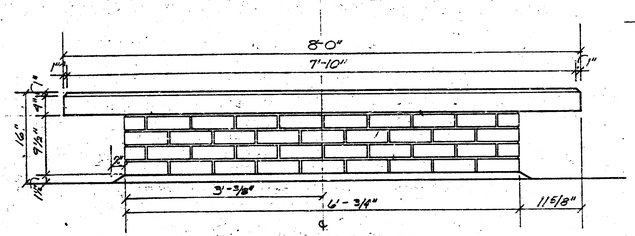
Rustication Joint Detail
Scale: 1"=1'



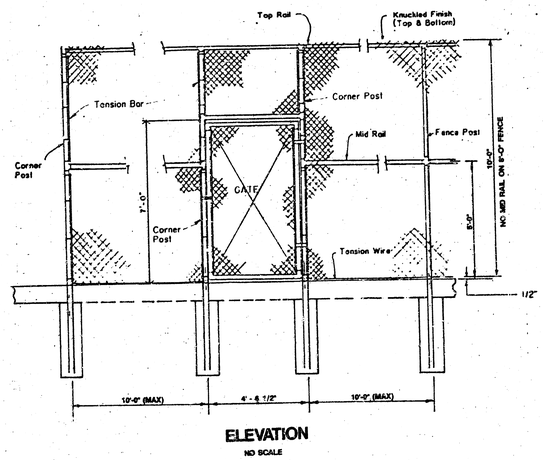
Retaining Wall Corners
No Scale



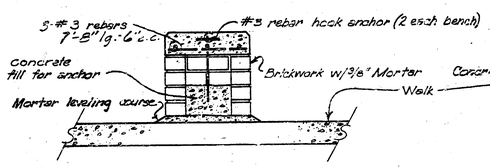
SECTION "Q"-"Q"
Scale: 1"=1'



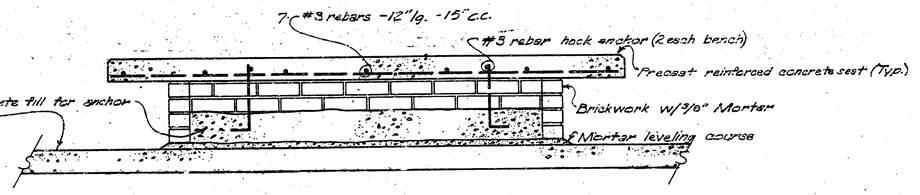
SECTION "S"-"S"
Scale: 1"=1' (Typ. 4 locations)



ELEVATION
NO SCALE



SECTION "P"-"P"
Scale: 1"=1'



SECTION "R"-"R"
Scale: 1"=1'

NOTE: BRICK CONSTRUCTION TO BE CONSISTENT IN SIZE AND COLOR TO BRICK WORK OF EXISTING SOUTH TENNIS COURTS.

EDGEMOOR PARK

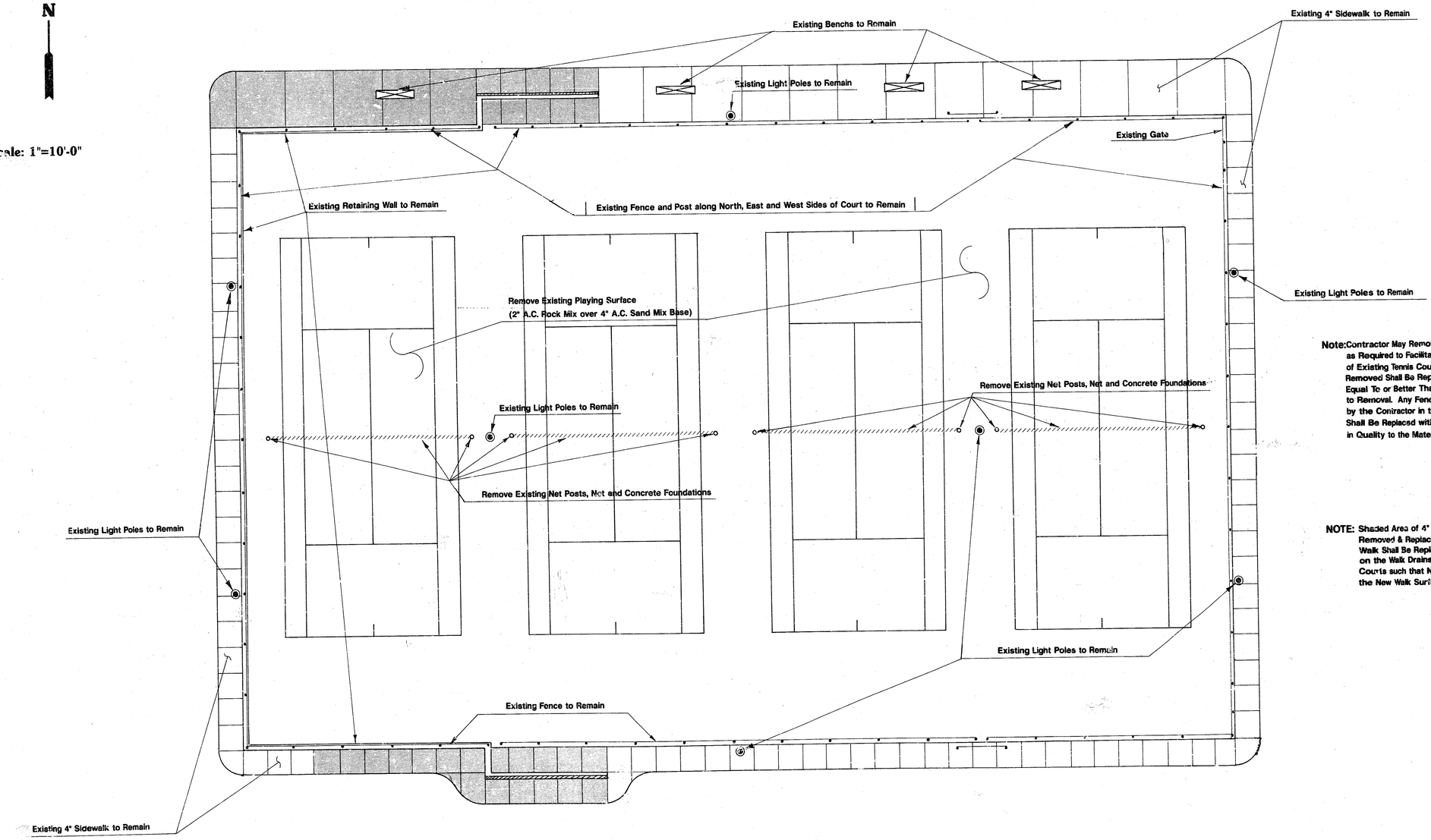
MISCELLANEOUS DETAILS
New Tennis Court Construction

Date | Drawn | Scale 1"=1'

PROJ. NO. 472-82199
INDEX NO. 785196

N

Scale: 1"=10'-0"



Note: Contractor May Remove Existing Fence as Required to Facilitate Reconstruction of Existing Tennis Courts. All Fence Removed Shall Be Replaced to a Condition Equal To or Better Than the Fence Prior to Removal. Any Fence Material Damaged by the Contractor in the Removal Process Shall Be Replacsd with New Material Equal in Quality to the Material Replaced.

NOTE: Shaded Area of 4" Sidewalk to Be Removed & Replaced During Construction. Walk Shall Be Replaced so All Drainage on the Walk Drains Away from the Tennis Courts such that No Water Will Pond on the New Walk Surface.

EDGEMOOR PARK

SCALE:	APPROVED BY	DRAWN BY
DATE:		

CONSTRUCTION PLAN
Reconstructed Tennis Courts

PROJ. NO. 472-82199
INDEX NO. 785196

DRAWING NUMBER

TELEDYNE NATIONAL NO. 18SA-24X36

N

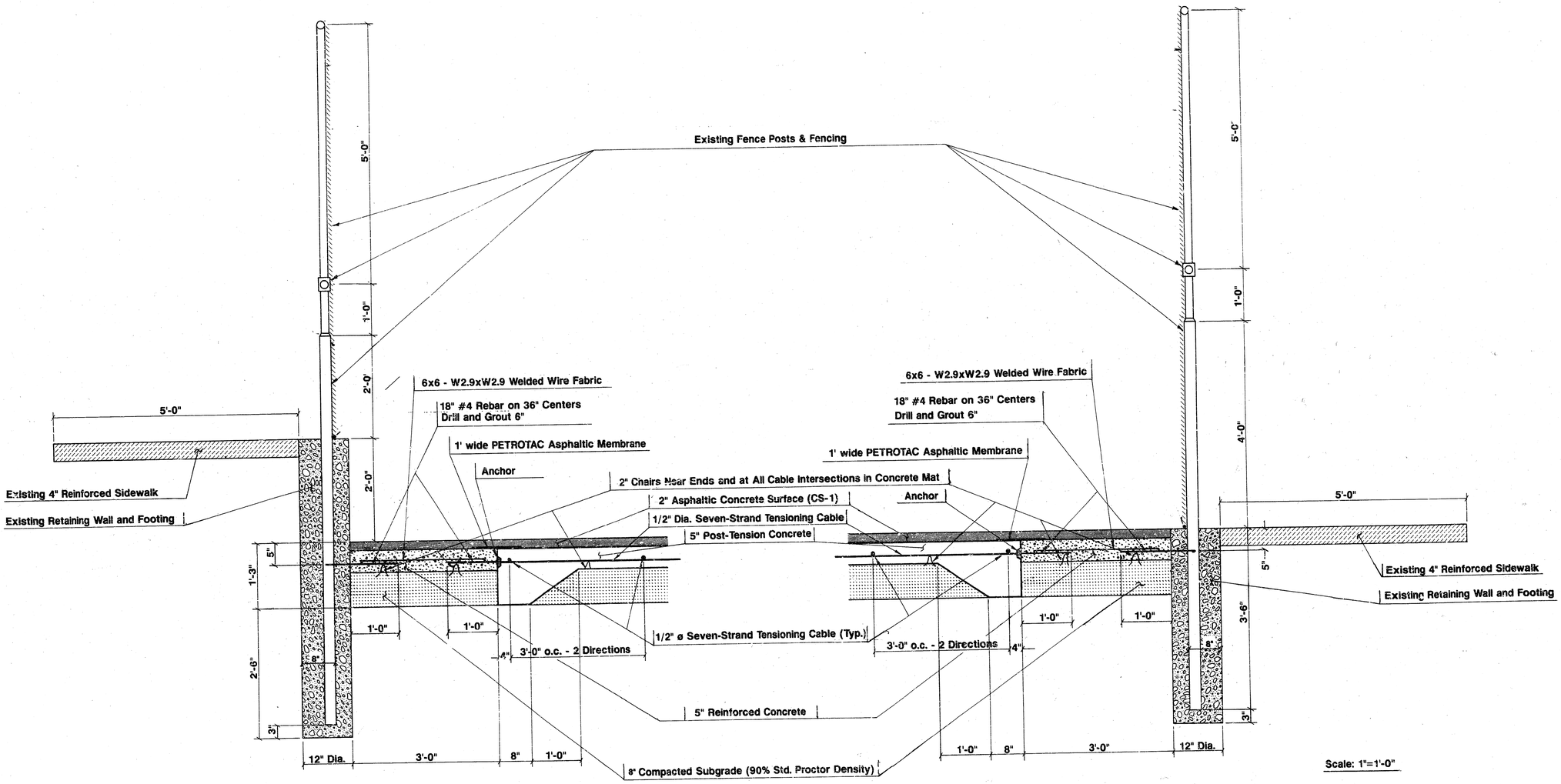
SCALE 1"=10'-0"

STATION 1+92.00 N 7+79.00 E
TOP OF PLAYING SURFACE = 187.95'
TOP OF WALK = 189.76'

STATION 1+92.00 N 9+83.67 E
TOP OF PLAYING SURFACE = TOP OF WALK = 185.95'

RAMP CONSTRUCTION DETAILS SEE SH 8 & 13

Existing Ramp DOWN Begins (typ. opposite side)
Existing Wall with Brick Face
Existing Ramp UP Begins (typ. opposite side)
Existing Bench
Existing 4" Concrete Sidewalk
Existing Light Pole
8' typ.
5'
10'
5'
±4' typ.
16" typ.
E.J.
R=5'
Existing 2' Retaining Wall
Existing 2' Open Space
Existing 18" Clear Opening
Existing 2' Open Space
Existing Light Pole
Existing 4" Concrete Sidewalk
Existing Light Pole
CENTER ANCHOR DETAILS SEE SH 13
NET POST DETAILS SEE SH 13
"N" "N"
"A"
"D"
"B"
3' (typ.)
3' (typ.)
Existing Light Pole
Existing 4" Concrete Sidewalk
Existing 2' Retaining Wall
Existing Light Pole
Existing 4" Concrete Sidewalk
Existing 2' Retaining Wall
Existing 2' Open Space
Existing Light Pole
Existing 18" Clear Opening
Existing 2' Open Space
4' Man Gate – Existing
Existing Wall with Brick Face
Existing 4" Concrete Sidewalk
Existing Light Pole
11'-0"
8"
10'-4"
10'-0"
10'-0"
10'-0"
10'-0"
10'-0"
10'-0"
10'-0"
10'-0"
10'-4"
8"
122'-0"
22'-0"
21'-0"
18'-0"
21'-0"
18'-0"
22'-0"
30'-0"
30'-0"
8'-0"
7'-9 1/2"
4'-6 1/2"
5' 9' 4'-6" 13'-6" 13'-6" 4'-6" 14' 4'-6" 13'-6" 13'-6" 4'-6" 7' 7' 4'-6" 13'-6" 13'-6" 4'-6" 14' 4'-6" 13'-6" 13'-6" 4'-6" 9' 5'
10'-0"
8"
2'-4"
8'-0"
10'-0" 10'-0" 10'-0"



Scale: 1"=1'-0"

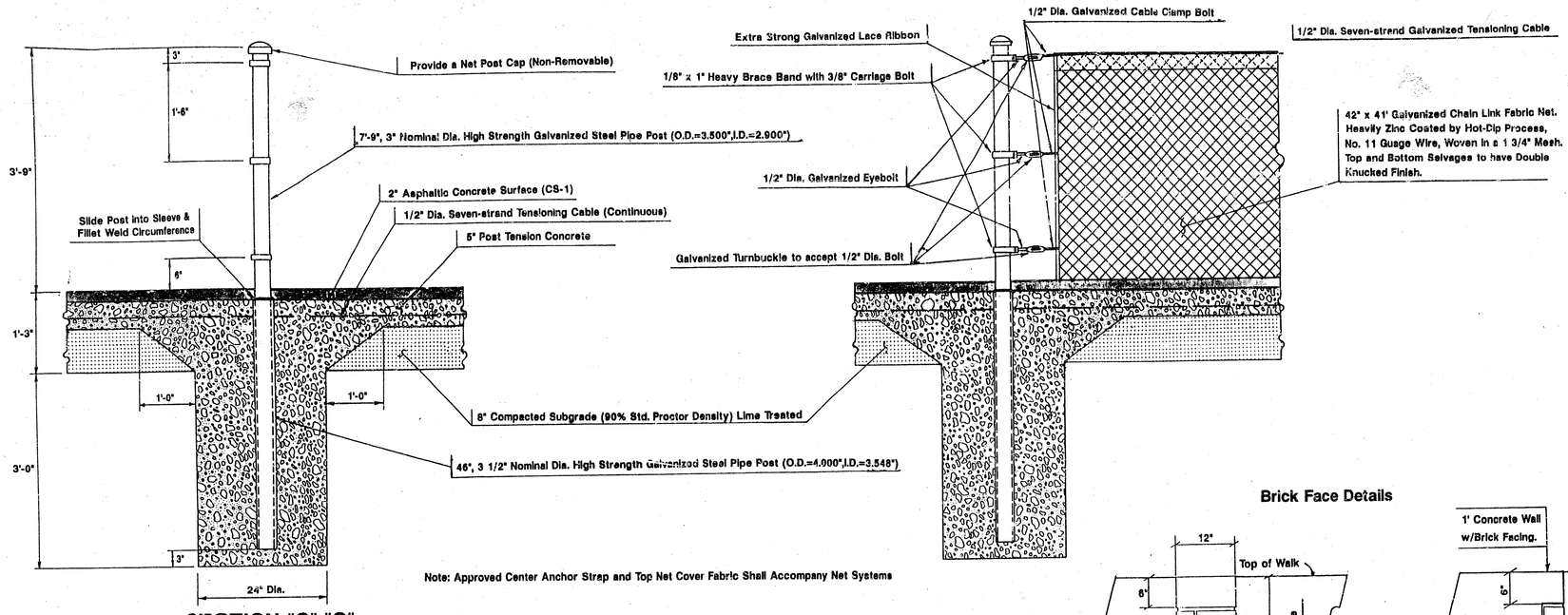
SECTION "E"-"E"
REHAB COURT

Scale: 1"=1'-0"

SECTION "F"-"F"
REHAB COURT

EDGEMOOR PARK		
SCALE:	APPROVED BY	DRAWN BY
DATE:		
TYPICAL RETAINING WALL/10' FENCE SECTIONS Reconstructed Tennis Courts		
PROJ. NO. 472-92199 INDEX NO. 785193		DRAWING NUMBER

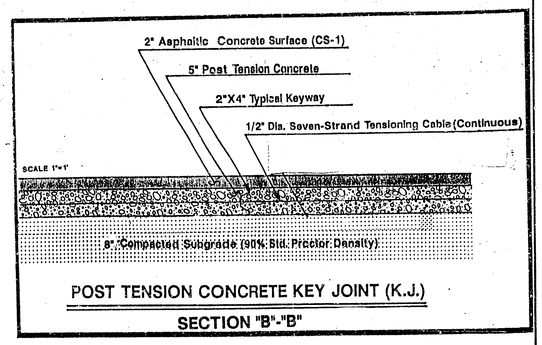
TELEDYNE NATIONAL NO. 185A-24126



SECTION "O"-"O"

Note: Approved Center Anchor Strap and Top Net Cover Fabric Shall Accompany Net Systems

Net & Net Post Details



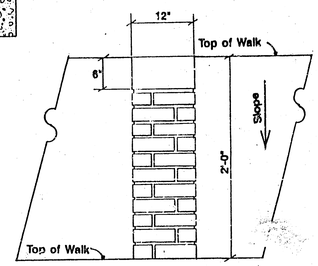
POST TENSION CONCRETE KEY JOINT (K.J.)

SECTION "B"-"B"

Scale: 1"=1'-0"

SECTION "N"-"N"

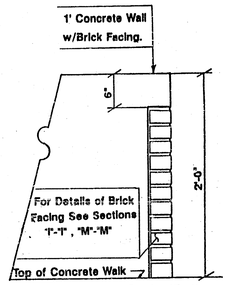
Brick Face Details



Scale 1"=1'

SECTION "M"-"M"

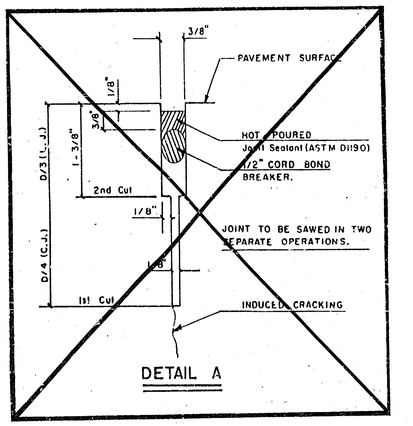
NEW COURT ONLY



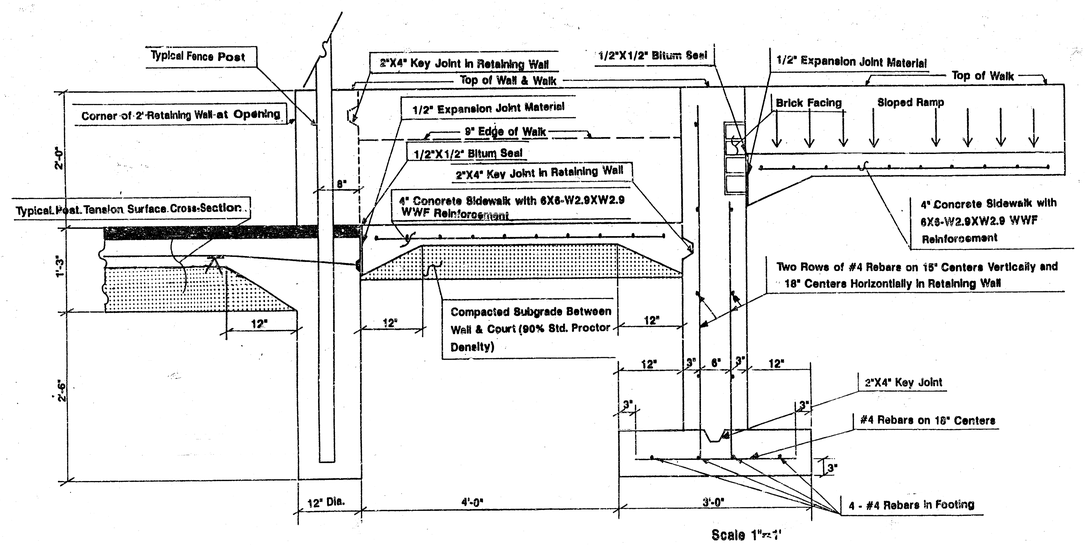
Scale 1"=1'

SECTION "L"-"L"

NEW COURT ONLY

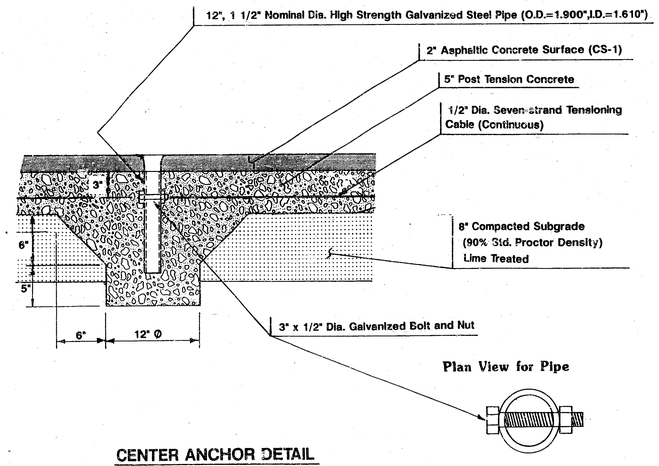


DETAIL A



Scale 1"=1'

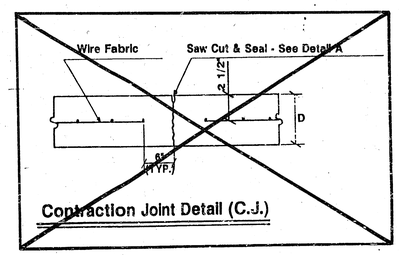
SECTION "K"-"K"



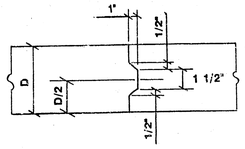
CENTER ANCHOR DETAIL

SECTION "A"-"A"

No Scale



Contraction Joint Detail (C.J.)



Key Joint Detail (K.J.)

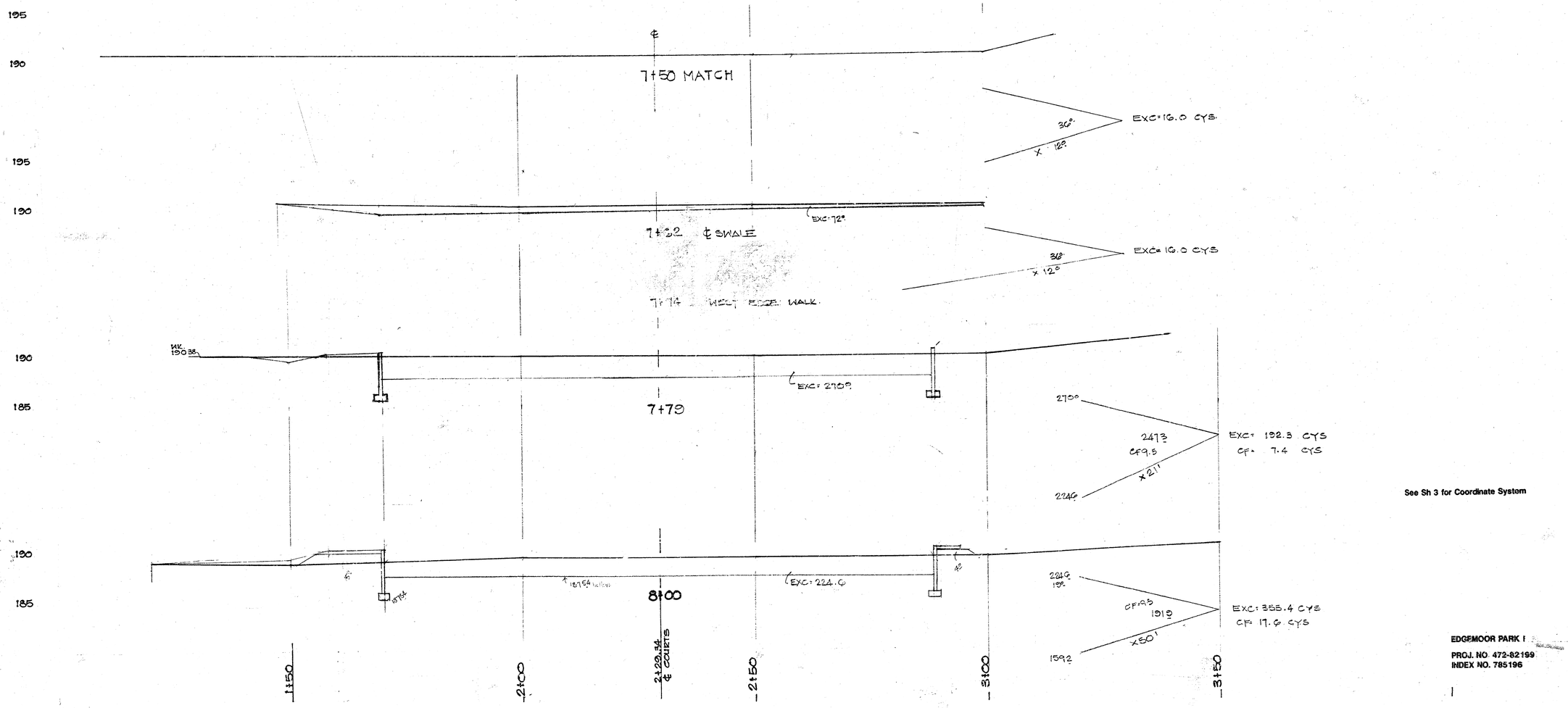
EDGEMOOR PARK

SCALE:	APPROVED BY	DRAWN BY
DATE:		

MISCELLANEOUS DETAILS
New & Reconstructed Tennis Courts

PROJ. NO. 472-32199
INDEX NO. 785196

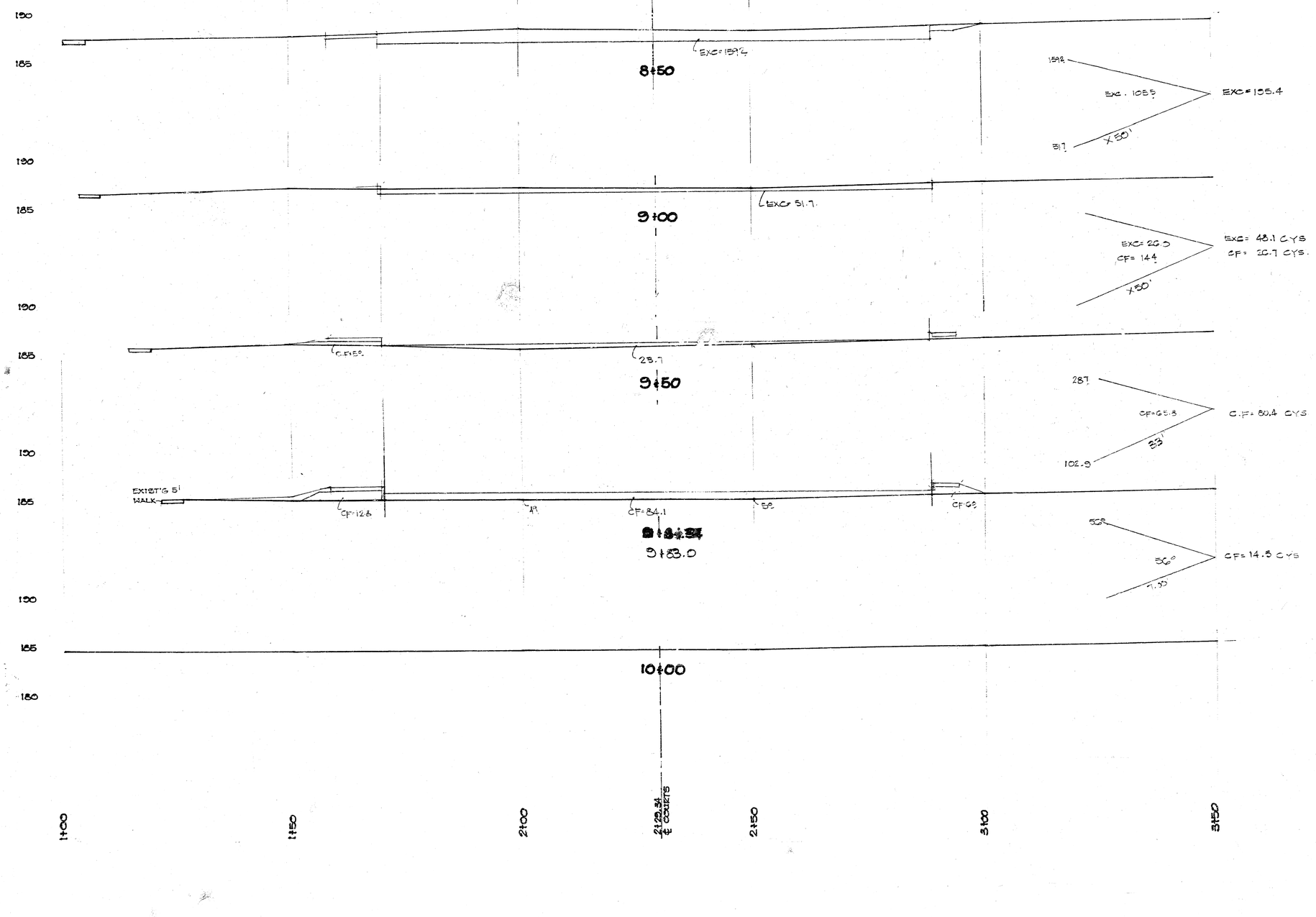
DRAWING NUMBER



See Sh 3 for Coordinate System

EDGEMOOR PARK I

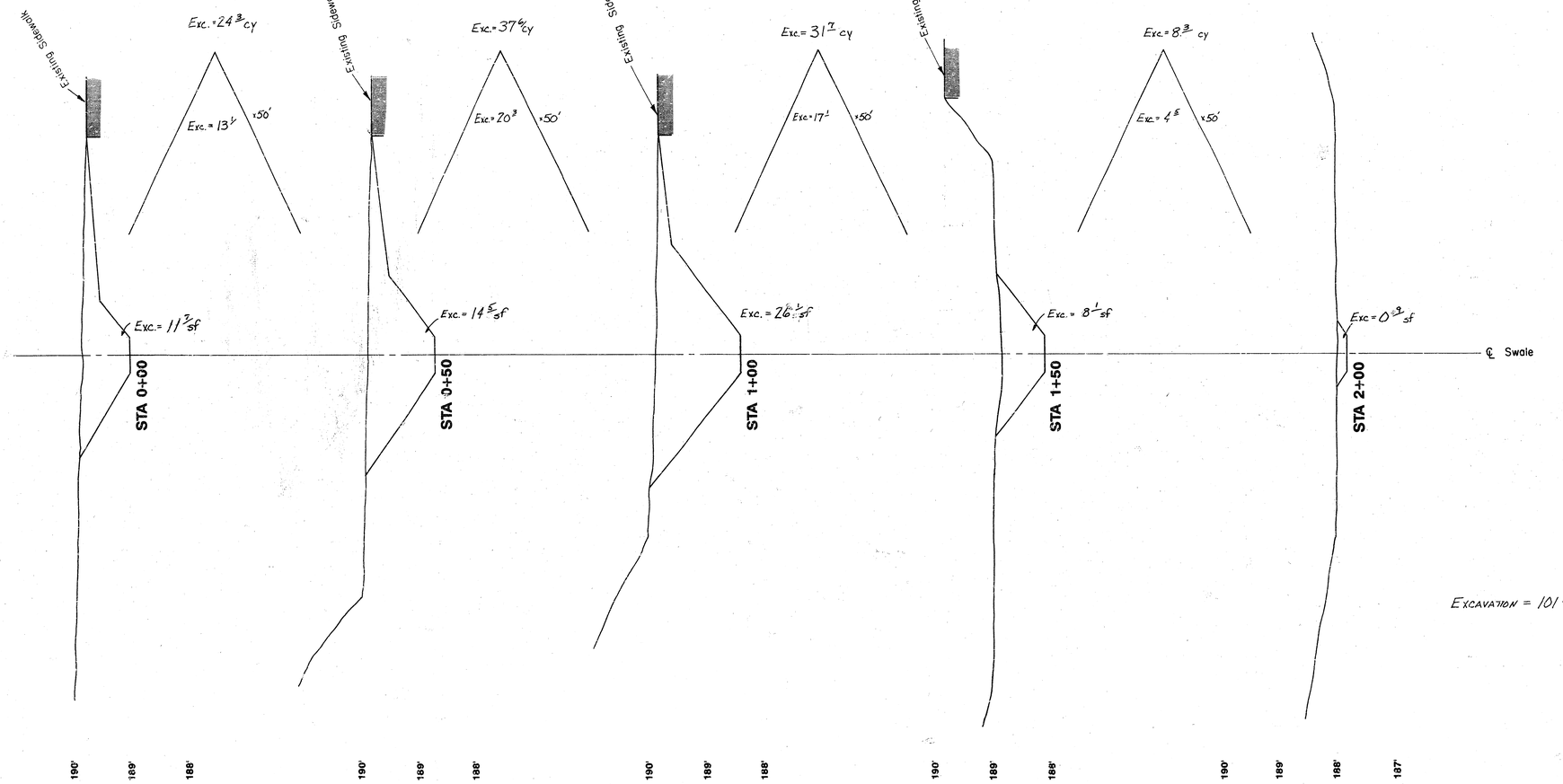
PROJ. NO. 472-82199
INDEX NO. 785196



See Sh 3 for Coordinate System

EXCAVATION = 823.4 C.Y.S
COMP FILL = 146.6 C.Y.S

EDGEMOOR PARK
PROJ. NO. 472-82199
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Excavation = 101 3/4 cy.

CROSS SECTION -
Swale for Existing Courts

EDGEMCOR
PROJ. NO. 472-82199
INDEX NO. 785196