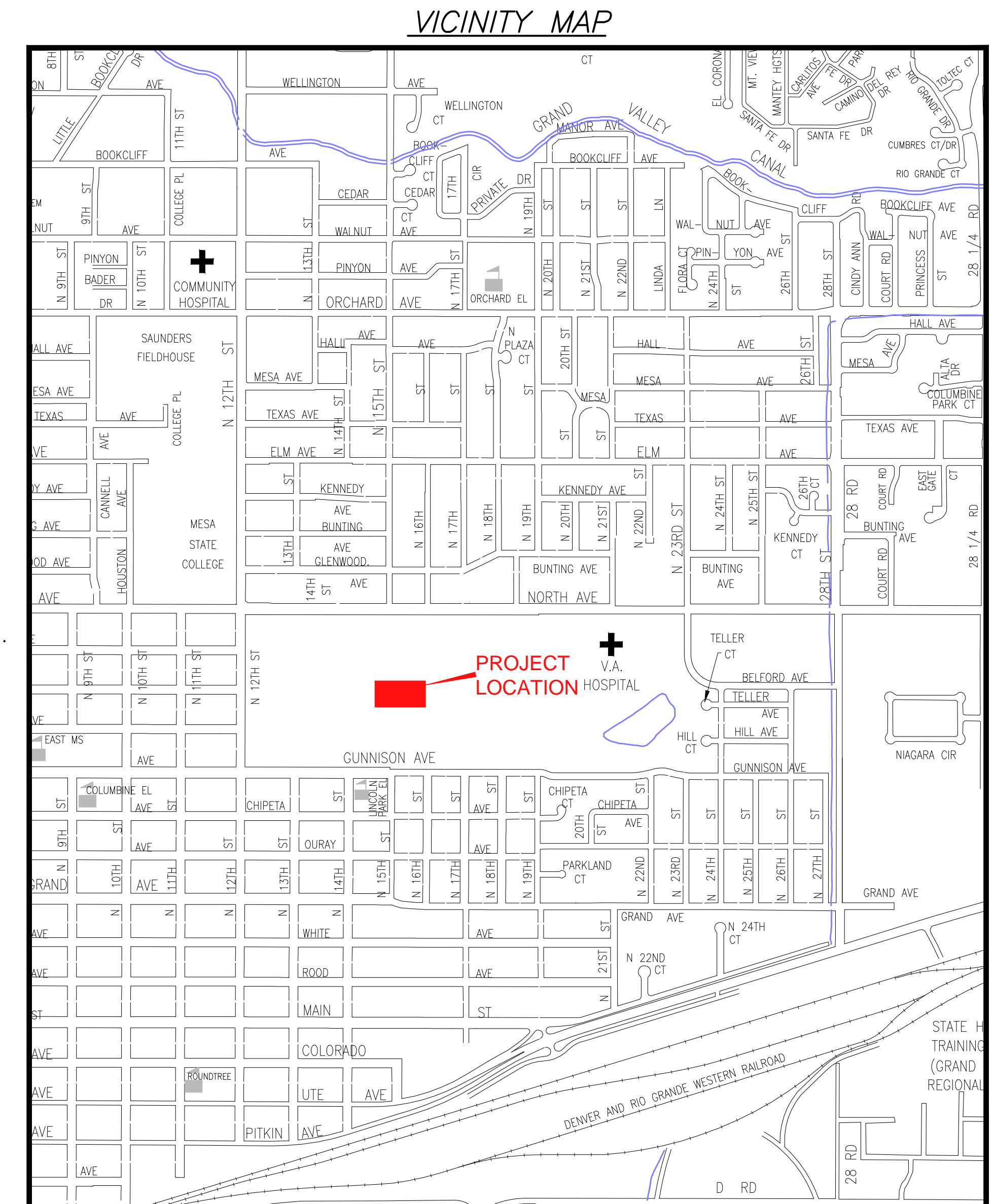


# LINCOLN PARK PHASE III TENNIS COURT IMPROVEMENTS MAY 2013

- 1 ————— Cover Sheet
- 2 ————— Standard Abbreviations, Legend, and Symbols
- 3 ————— Summary of Approximate Quantities
- 4 ————— Tennis Court Plan
- 5 ————— Utility Plan
- 6 ————— Project Details



UTILITIES AND AGENCIES								
AGENCY	NAME	POSITION	ROLE	MAILING ADDRESS	STREET ADDRESS	CITY, STATE	VOICE-WK	FAX
GRAND JUNCTION, CITY OF	JEROD TIMOTHY	PROJECT ENGINEER	PROJECT ENGINEER	250 N. 5th STREET	250 N. 5th STREET	GRAND JCT., CO 81501	(970) 244-1565	(970) 256-4022
GRAND JUNCTION, CITY OF	BRET GUILLORY	UTILITY ENGINEER	SANITARY SEWER	250 N. 5th STREET	250 N. 5th STREET	GRAND JCT., CO 81501	(970) 244-1590	(970) 256-4022
GRAND VALLEY IRRIGATION CO.	PHIL BERTRAND		IRRIGATION	688 26 ROAD	688 26 ROAD	GRAND JCT., CO 81506	(970) 242-2762	
BRESNAN	CHUCK WEIDMAN	MANAGER	CABLE TV	2502 FORESIGHT CIRCLE	2502 FORESIGHT CIRCLE	GRAND JCT., CO 81504	(970) 245-8750	(970) 245-6803
U.S. WEST/QWEST	CHRIS JOHNSON	ENGINEER	TELEPHONE	2524 BLICHMANN AVE	2524 BLICHMANN AVE	GRAND JCT., CO 81504	(970) 244-4311	(970) 240-4349
UTE WATER	DARYL MOORE	SUPERVISOR	WATER	PO BOX 460		GRAND JCT., CO 81502	(970) 242-7491	(970) 242-9189
XCEL	DAN STEINKIRCHNER	UNIT MANAGER	GAS, ELECTRIC	2538 BLICHMANN AVE	2538 BLICHMANN AVE	GRAND JCT., CO 81506	(970) 244-2656	(970) 244-2661



*Public Works & Planning  
Engineering Division*

NOTE: NOTIFY AFFECTED UTILITY VENDOR 48 HOURS PRIOR TO EXCAVATIONS THAT WILL EXPOSE UTILITY LINES. THE COVER SHEET WILL HAVE A LISTING OF UTILITY VENDORS AND TELEPHONE NUMBERS.

REVISION	DESCRIPTION	DATE
REVISION $\Delta$	_____	____
REVISION $\Delta$	_____	____
REVISION $\Delta$	_____	____
REVISION $\Delta$	_____	____

<b>DRAWING STATUS:</b>	
<input type="radio"/>	PROGRESS
<input type="radio"/>	FINAL CONSTRUCTION DRAWINGS
<input type="radio"/>	ASBUILT
<b>DESIGNED BY:</b>	
JEROD TIMOTHY, PROJECT ENGINEER	DATE _____
<b>REVIEWED BY:</b>	
BRET GUILLORY, UTILITY ENGINEER	DATE _____
<b>AUTHORIZED FOR CONSTRUCTION</b>	
TRENTON C. PRALL, CITY ENGINEER	DATE _____
<b>ACCEPTED AS CONSTRUCTED</b>	
JEROD TIMOTHY, PROJECT ENGINEER	DATE _____

**ABBREVIATIONS**

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS
ABC	AGGREGATE BASE COURSE
AC	ASBESTOS CEMENT
AP	ANGLE POINT
ASB	ANCHORED STRAW BALES
ASP	ALUMINIZED STEEL PIPE
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
AWWA	AMERICAN WATER WORKS ASSOCIATION
BC	BACK OF CURB
BF	BUTTERFLY VALVE
BOW	BACK OF WALK
BCR	BEGIN CURB RETURN
BOT	BOTTOM
BSWMP	BETTER STORM WATER MANAGEMENT PRACTICES
CH	CHORD
CAP	CORRUGATED ALUMINUM PIPE
CDOT	COLORADO DEPARTMENT OF TRANSPORTATION
CI	CAST IRON
C,G,& SW	CURB, GUTTER & SIDEWALK
C	CENTER LINE
CL	CLEAR
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
COMB	COMBINATION (AS IN STORM SEWER AND SANITARY SEWER)
CONC	CONCRETE
CSM	CITY SURVEY MONUMENT
CSP	CORRUGATED STEEL PIPE
CU	COPPER
DI	DUCTILE IRON
DWY	DRIVEWAY
E	ELECTRIC
ECR	END CURB RETURN
EG	EDGE OF GUTTER
EL	ELEVATION
EP	EDGE OF PAVEMENT
EX	EXISTING
FB	FULL BODY
FC	FACE OF CURB
FG	FINISHED GRADE
E	FLOW LINE
FL	FLANGE
FM	FORCE MAIN
FO	FIBER OPTICS
FS	FAR SIDE
FTG	FOOTING
G	GAS
GB	GRADE BREAK
GM	GAS METER
GV	GATE VALVE
HBP	HOT BITUMINOUS PAVEMENT
HDPE	HIGH DENSITY POLYETHYLENE
INV	INVERT
IRR	IRRIGATION
L	LENGTH OF ARC
LC	LONG CHORD
LF	LINEAR FEET
LL	LONG ARC
LS	SHORT ARC
LT	LEFT
MB	MAILBOX
MCSM	MESA COUNTY SURVEY MONUMENT
MH	MANHOLE
MJ	MECHANICAL JOINT
MW	MILL WRAP
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NOP	NO ONE PERSON
NRCP	NON-REINFORCED CONCRETE PIPE
NS	NEAR SIDE
NTS	NOT TO SCALE
OHP	OVERHEAD POWER
OHT	OVERHEAD TELEPHONE
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PE	POLYETHYLENE
PERF	PERFORATED
PI	POINT OF INTERSECTION
PIP	PLASTIC IRRIGATION PIPE
PIC	POINT ON CURVE
POT	POINT ON TANGENT
PR	PROPOSED
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
RG	RESTRAINED GLANDS
RL	LONG RADIUS
ROW	RIGHT OF WAY
RP	RADIUS POINT
RR	RAIL ROAD
RS	SHORT RADIUS
RT	RIGHT
S	SLOPE
SAN	SANITARY
SC	SHORT CHORD
SCD	STANDARD CONTRACT DOCUMENTS
SCH	SCHEDULE
SF	SILT FENCE
SL	SECTION LINE
SSRB	STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION
SSUU	STANDARD SPECIFICATIONS FOR CONSTRUCTION OF UNDERGROUND UTILITIES
STA	STATION
STL	STEEL
STM	STORM
T	TELEPHONE
TAN	LENGTH OF TANGENT
TC	TOP OF CURB
TH	TEST HOLE
TV	TELEVISION
(TYP)	TYPICAL
UU	UNDERGROUND UTILITIES
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VPC	VERTICAL POINT OF CURVATURE
VPCC	VERTICAL POINT OF COMPOUND CURVATURE
VPRC	VERTICAL POINT OF REVERSE CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
W	WATER
Δ	DELTA ANGLE

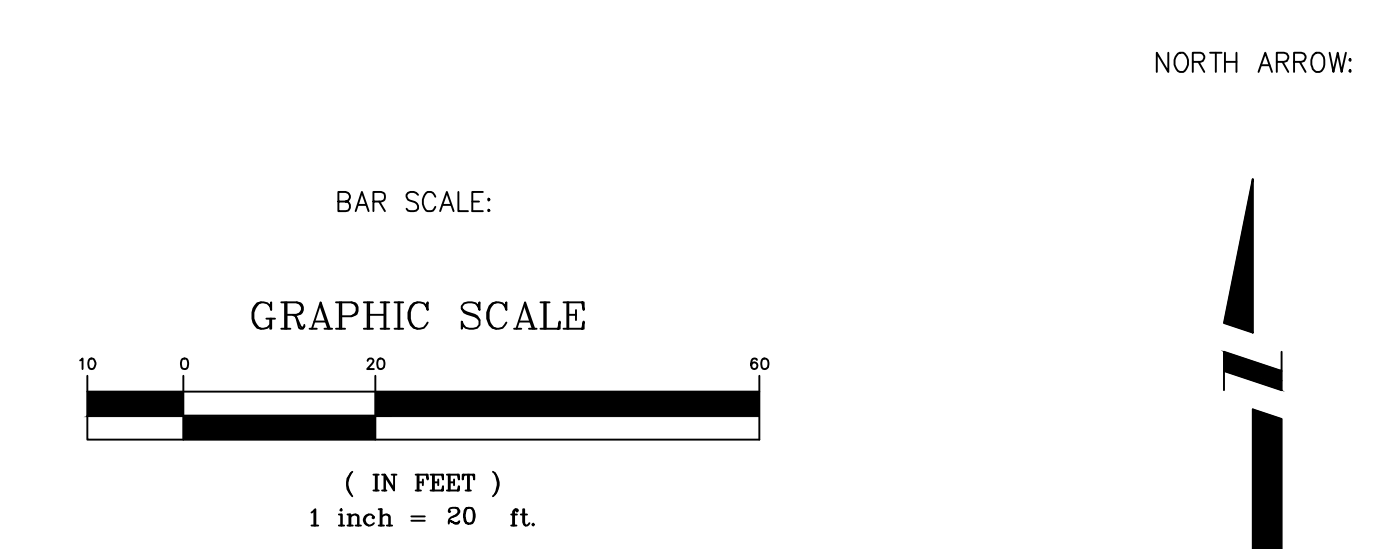
**LEGEND**

BSWMP	
DRAINAGE BASIN BOUNDARY	
BSWMP	
ANCHORED STRAW BALES	
BSWMP	
SILT FENCE	
BUILDING	
CONCRETE CURB AND GUTTER	
CONCRETE CURB,GUTTER, & SIDEWALK	
CONCRETE DITCH	
CONCRETE SIDEWALK	
CULVERT	
EARTH DITCH	
EDGE OF GRAVEL	
EDGE OF PAVEMENT	
FENCE (BARBED WIRE)	
FENCE (CHAIN LINK)	
FENCE (IRON)	
FENCE (PLASTIC)	
FENCE (WOOD)	
FENCE (WOVEN WIRE)	
GUARD RAIL	
HATCHING: INDICATES ASPHALT REMOVAL	
HATCHING: INDICATES CONCRETE REMOVAL	
HATCHING: INDICATES STAGING AREA	
LINE (CENTER OF IMPROVEMENTS)	
LINE (CITY LIMITS)	
LINE (CONTROL)	
LINE (EASEMENT)	
LINE (MONUMENT/SECTION)	
LINE (PROPERTY)	
LINE (RIGHT OF WAY)	
MATCH LINE	
PIPE (IRRIGATION)	
PIPE (SIPHON)	

PROPOSED CONCRETE CURB AND GUTTER	
PROPOSED CONCRETE CURB,GUTTER,& SIDEWALK	
PROPOSED CONCRETE SIDEWALK	
PROPOSED "WET" UTILITIES (CONSTRUCTION NOTE WILL INDICATE TYPE, SIZE, AND MATERIAL OF NEW MAIN)	
ALL PROPOSED FEATURES NOT SHOWN IN LEGEND WILL BE SHOWN THE SAME AS THEIR EXISTING COUNTERPART, BUT INDICATED BY BOLDER LINETYPE	
RAIL ROAD	
RETAINING WALL	
STRIPING (CONTINUOUS WHITE)	
STRIPING (DASHED WHITE)	
STRIPING (CONTINUOUS YELLOW)	
STRIPING (DASHED YELLOW)	
TOP OF SLOPE	
CONTOUR LINES (SHOWN BETWEEN TOP & TOE)	
TOE OF SLOPE	
TRAFFIC DETECTOR LOOP	
UTILITY LINE (ABANDON) (THIS CASE A WATER LINE)	
UTILITY LINE (CABLE TV)	
UTILITY LINE (ELECTRIC)	
UTILITY LINE (FIBER OPTIC)	
UTILITY LINE (GAS)	
UTILITY LINE (HIGH VOLTAGE OVERHEAD POWER)	
UTILITY LINE (OVERHEAD POWER)	
UTILITY LINE (OVERHEAD TELEPHONE)	
UTILITY LINE (SANITARY SEWER)	
UTILITY LINE (SANITARY SEWER FORCE MAIN)	
UTILITY LINE (SANITARY SEWER SERVICE)	
UTILITY LINE (STORM SEWER)	
UTILITY LINE (STORM SEWER, PERFORATED)	
UTILITY LINE (STORM/SANITARY SEWER SEWER COMBINATION)	
UTILITY LINE (TELEPHONE)	
UTILITY LINE (WATER)	

**SYMBOLS**

BENCH MARK	
CATCH BASIN	
CLEAN OUT	
CURB STOP	
FIRE HYDRANT	
GUY WIRE ANCHOR	
HEADGATE	
IRRIGATION PUMP	
MAILBOX	
MANHOLE (ELECTRIC)	
MANHOLE (GAS)	
MANHOLE (SANITARY/STORM)	
MANHOLE (TELEPHONE)	
MANHOLE (TV)	
MANHOLE (WATER)	
METER (GAS)	
METER (WATER)	
PEDESTAL (TELEPHONE)	
PEDESTAL (TV)	
PROPERTY PIN	
PULL BOX	
REDUCER FITTING	
SIGN OR POST (SIGN TYPE NOTED)	
SPRINKLER HEAD	
STREET LIGHT	
SURVEY MONUMENT (CITY)	
SURVEY MONUMENT (TYPE NOTED)	
TEST HOLE	
TRAFFIC PAINT MARKING	
TRAFFIC SIGNAL POLE AND MAST ARM	
UTILITY POLE	
VALVE (GAS)	
VALVE (IRRIGATION)	
VALVE (WATER)	
VEGETATION (HEDGE OR BUSH)	
VEGETATION (TREE STUMP)	
VEGETATION (TREE) (CALIPER SIZE NOTED)	
WATER HYDRANT	
WEIR	
YARD LIGHT	



REVISION	DESCRIPTION	DATE
1		
2		
3		
4		

DRAWN BY	JCS	DATE	4-02
DESIGNED BY		DATE	
CHECKED BY		DATE	
APPROVED BY		DATE	

SCALE	
PLAN	1"=20'
PROFILE	
HORIZ.	
VERT.	



**PUBLIC WORKS AND PLANNING ENGINEERING DIVISION**

**CITY OF GRAND JUNCTION STANDARD ABBREVIATIONS, LEGEND, AND SYMBOLS SHEET**

REVISION	DESCRIPTION	DATE
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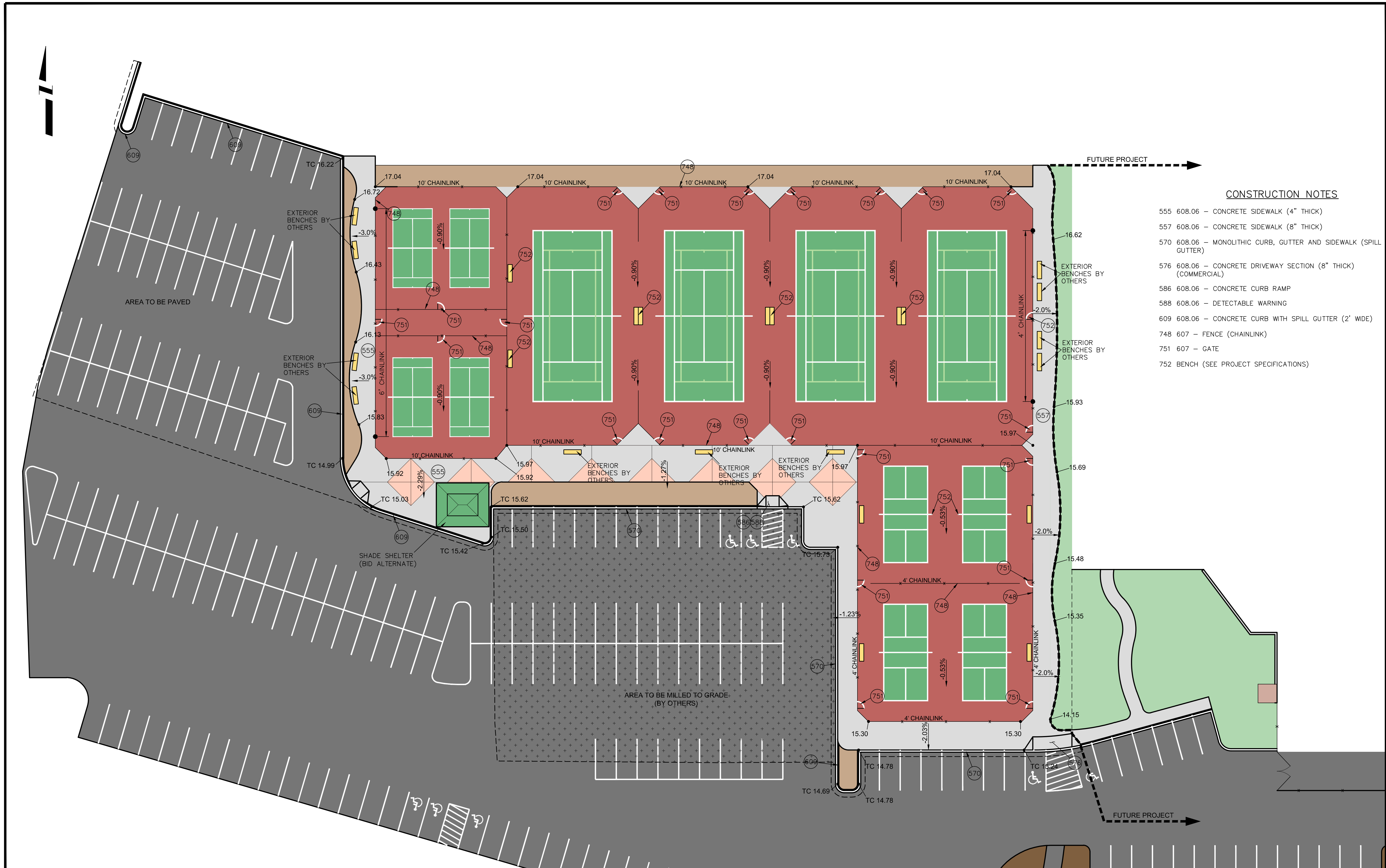
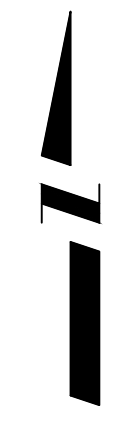
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ENGINEERING DIVISION

LINCOLN PARK PHASE III  
TENNIS COURT IMPROVEMENTS  
SUMMARY OF APPROXIMATE QUANTITIES

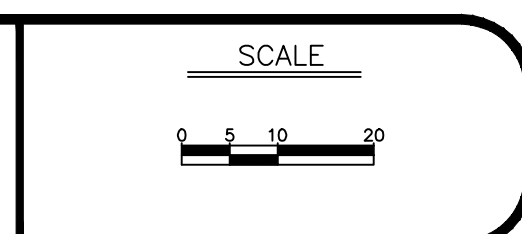




**CONSTRUCTION NOTES**

- 555 608.06 - CONCRETE SIDEWALK (4" THICK)
- 557 608.06 - CONCRETE SIDEWALK (8" THICK)
- 570 608.06 - MONOLITHIC CURB, GUTTER AND SIDEWALK (SPILL GUTTER)
- 576 608.06 - CONCRETE DRIVEWAY SECTION (8" THICK) (COMMERCIAL)
- 586 608.06 - CONCRETE CURB RAMP
- 588 608.06 - DETECTABLE WARNING
- 609 608.06 - CONCRETE CURB WITH SPILL GUTTER (2' WIDE)
- 748 607 - FENCE (CHAINLINK)
- 751 607 - GATE
- 752 BENCH (SEE PROJECT SPECIFICATIONS)

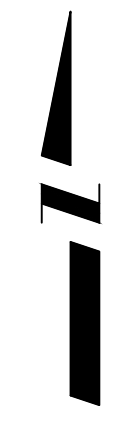
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REVISION $\Delta$			CHECKED BY	DATE
REVISION $\Delta$			APPROVED BY	DATE



**PUBLIC WORKS AND PLANNING ENGINEERING DIVISION**

**LINCOLN PARK PHASE III TENNIS COURT IMPROVEMENTS TENNIS COURT PLAN**





**CONSTRUCTION NOTES**

- 493 102.7c/108.4 – WATER SERVICE LINE (TYPE K COPPER) (SIZE AS SHOWN ON PLAN)
- 509 INSTALL DRINKING FOUNTAIN. CITY WILL SUPPLY DRINKING FOUNTAIN.
- 510 INSTALL HOSE BIB WITH QUICK CONNECT COUPLER
- 950 REINSTALL LIGHTPOLE
- 951 INSTALL RECEPTACLE
- 952 INSTALL 3/4" PVC CONDUIT AND ELECTRICAL WIRING
- 953 INSTALL NEW ELECTRICAL PANEL

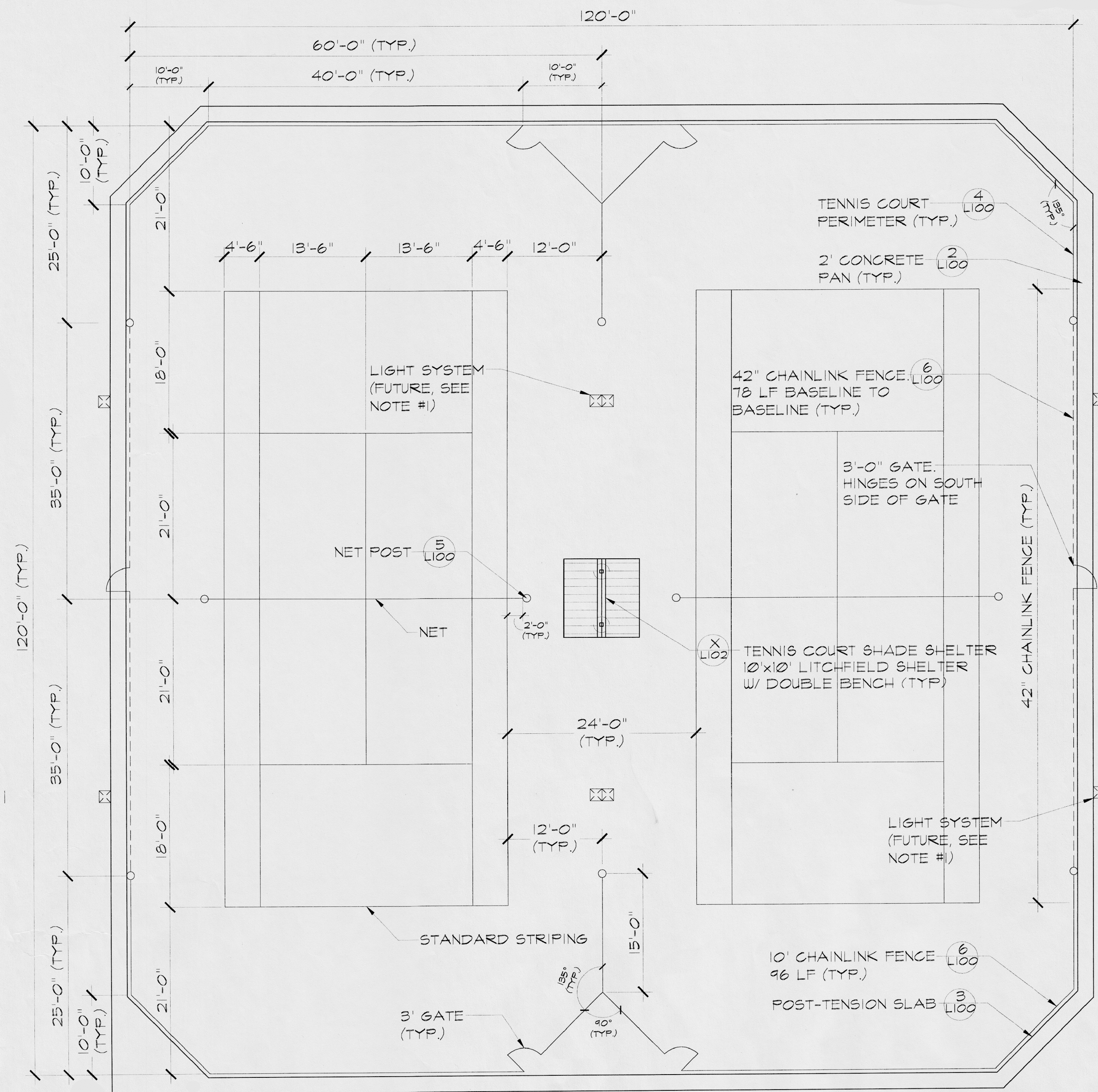
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REVISION			DESIGNED BY	DATE
REVISION			CHECKED BY	DATE
REVISION			APPROVED BY	DATE



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**LINCOLN PARK PHASE III  
TENNIS COURT IMPROVEMENTS  
TENNIS COURT UTILITY PLAN**

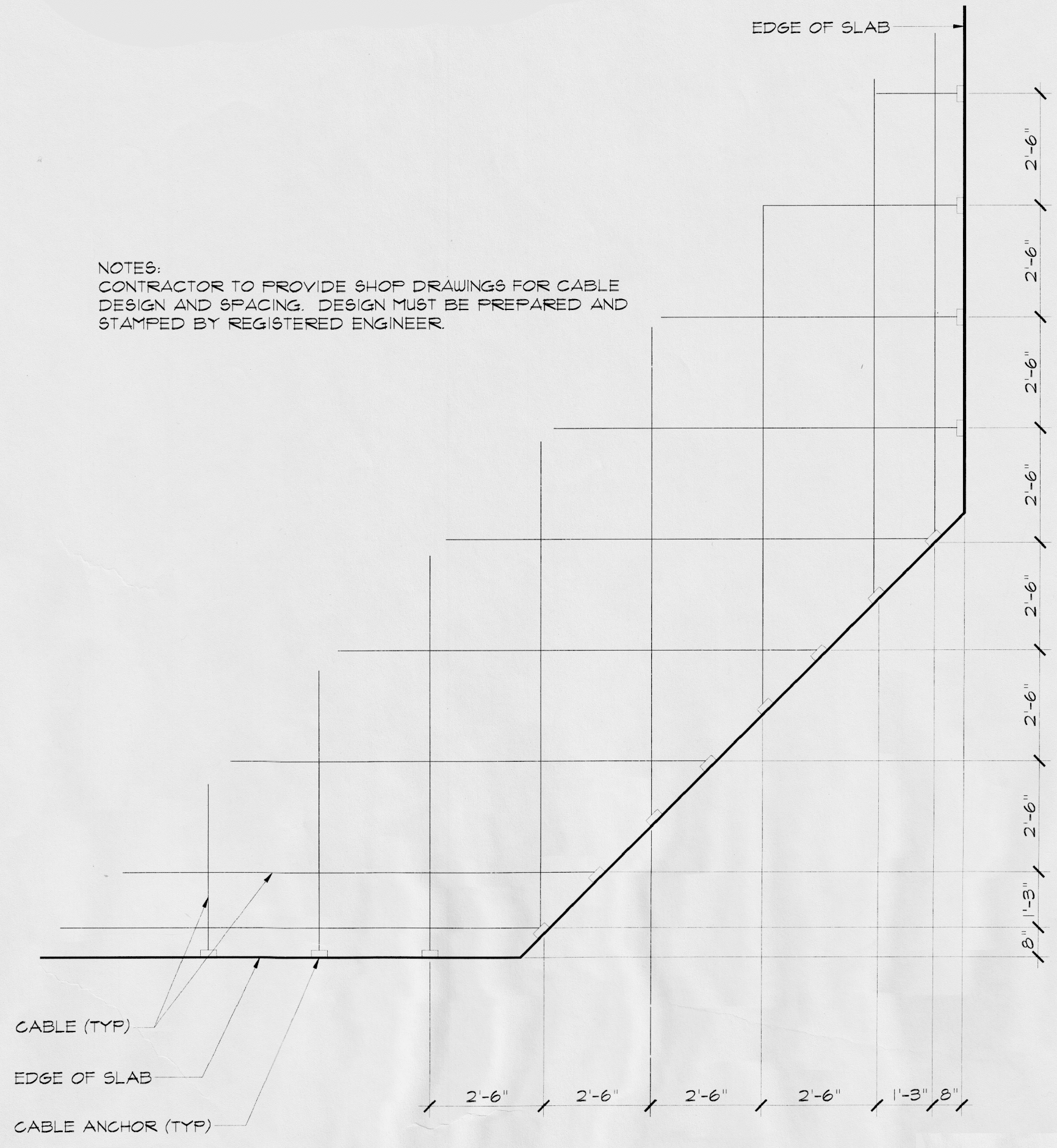




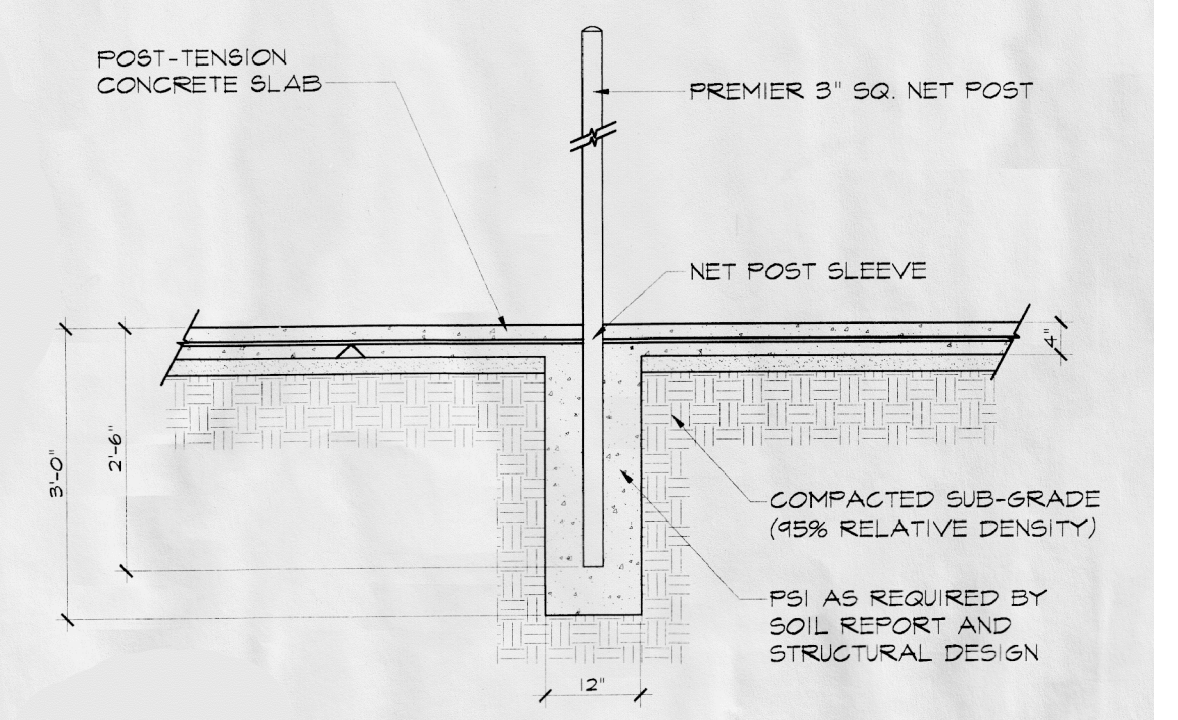
**1** PLAN VIEW  
**TENNIS COURT LAYOUT**  
L100 SCALE: 1" = 10'

NOTE:  
1. INSTALL 24" SONO-TUBE FOR FUTURE FOUNDATION IN THIS AREA. (SEE ELECTRICAL)

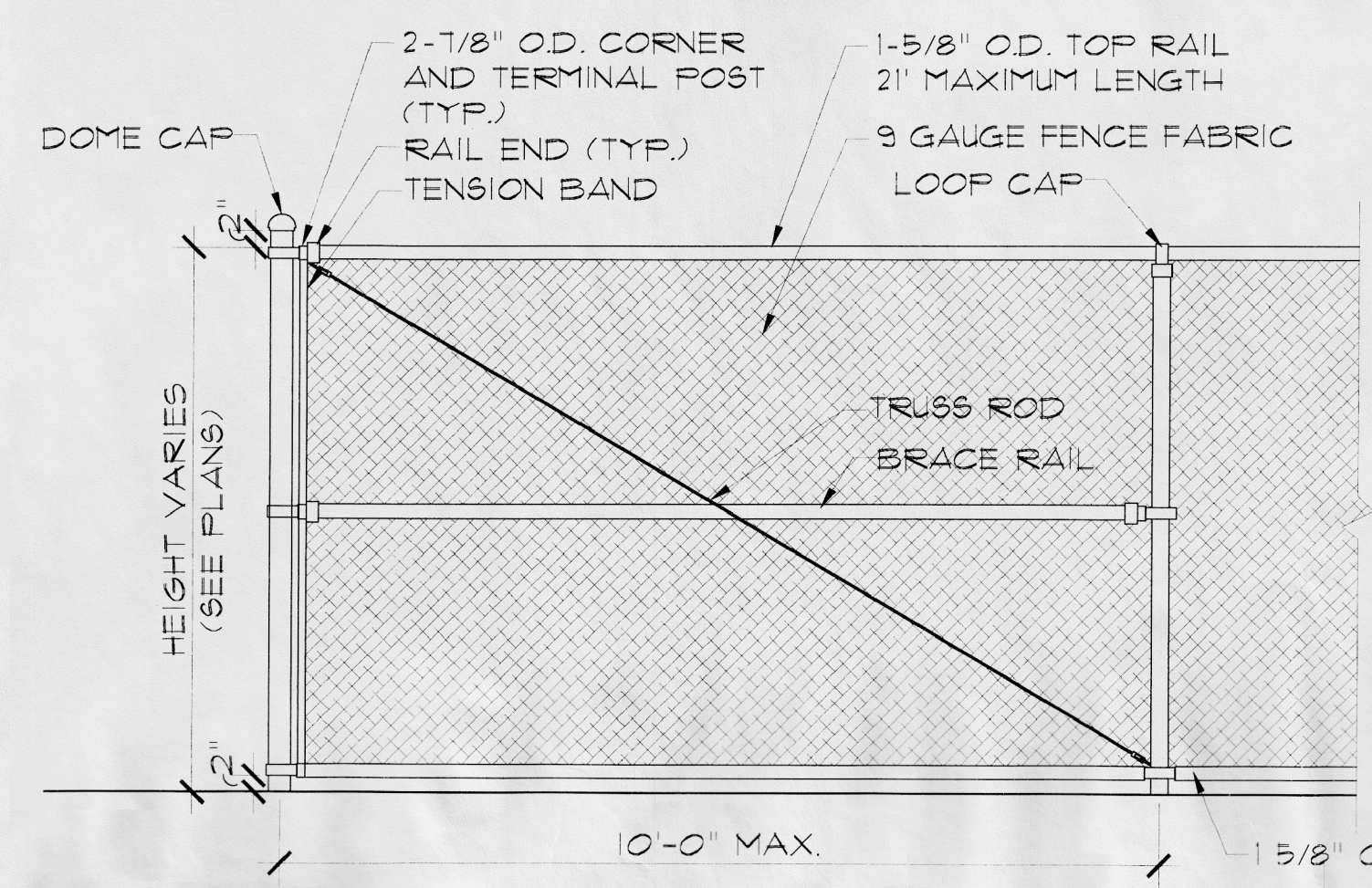
NOTES:  
CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR CABLE DESIGN AND SPACING. DESIGN MUST BE PREPARED AND STAMPED BY REGISTERED ENGINEER.



**3** PLAN  
**POST-TENSION SLAB CABLE DETAIL**  
L100 SCALE: 1/8" = 1'-0"

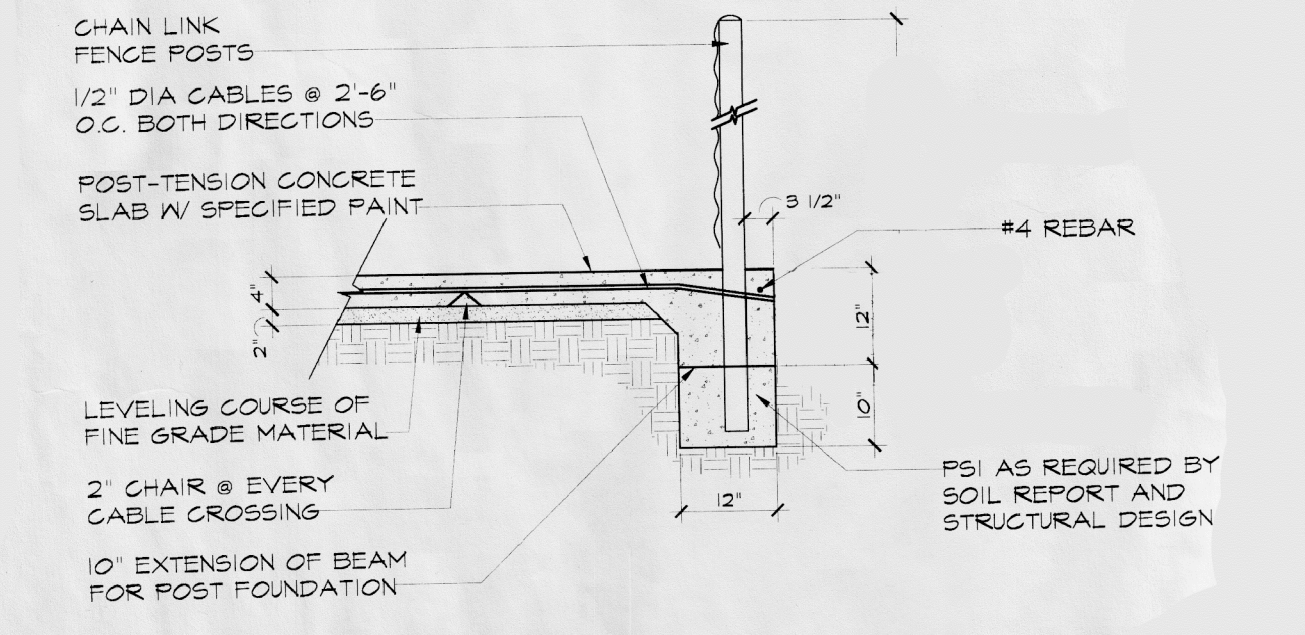


**5** SECTION  
**NET POST FOUNDATION**  
L100 SCALE: 1/2" = 1'-0"



**6** SECTION  
**CHAINLINK FENCE**  
L100 SCALE: 1/2" = 1'-0"

NOTE:  
1. PROVIDE BRACE AND TRUSS ASSEMBLIES AT ALL TERMINAL POSTS.  
2. ALL CHAINLINK FENCING FABRIC, TO BE BLACK VINYL-COATED. ALL FENCING POSTS, RAILS AND ACCESSORIES TO RECEIVE BLACK POWDER COATING



**4** SECTION  
**TYPICAL TENNIS COURT PERIMETER**  
L100 SCALE: 1/2" = 1'-0"

NOTES:  
1. CONTRACTOR TO INSTALL ALL FENCE POSTS, CHAIN LINK FABRIC, GATES, AND RAILS.  
2. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR FENCE POST DESIGN. DESIGN FENCE POST FOUNDATION TO WITHSTAND LOCAL SNOW, ICE AND WIND LOADS. DRAWINGS MUST BE PREPARED AND STAMPED BY REGISTERED ENGINEER.

REVISION	DESCRIPTION	DATE	DRAWN BY	DATE
REVISION			JAH	03/2013
REVISION				
REVISION				
REVISION				

SCALE
AS NOTED



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LINCOLN PARK PHASE III  
TENNIS COURT IMPROVEMENTS  
PROJECT DETAILS