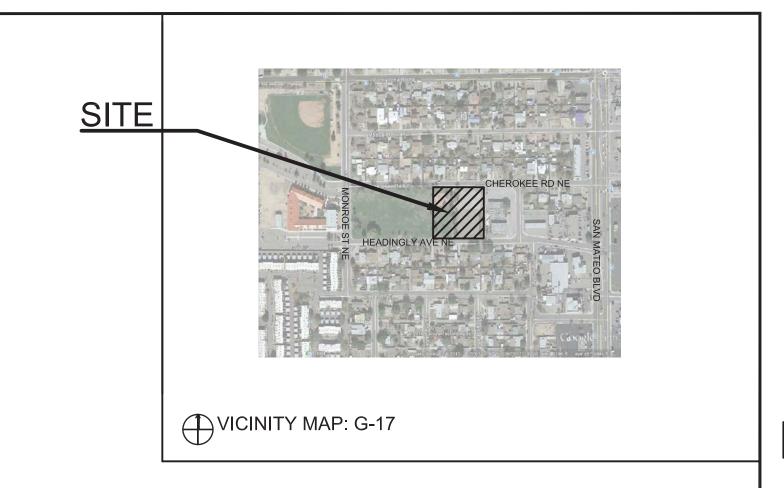


# VILLELA PARK PICKLEBALL COURTS AND LANDSCAPE IMPROVEMENTS RECORD DRAWINGS **AUGUST 2, 2017**



# CITY OF ALBUQUERQUE PARKS & RECREATION DEPARTMENT

Strategic Planning and Design

Date of Record Drawings: AUGUST 2, 2017 Parks & Recreation Department - Owner

# **Property Information**

Property Address: 3400 MONROE ST NE

Zone: G-17 Park Acres: 4.25

Existing Turf Acres: 3.12 Revised Turf Acres: N/A

# **Legal Description**

LIPPETT PARK BEL AIR SUBDIVISION

# Index of Drawings

G001 G002 LD101 LS101 LK101 LG101 LI101 LP101 LS501 LS502 LS503 S001 S101 S102 S201	Cover Sheet General Notes Demolition Plan Construction Plan Coordinate Plan Grading Plan Irrigation Plan Planting Plan Construction Details Construction Details Pickleball Court Details General Structural Notes Foundation Plan Approved Foundation Shop Drawing Foundation Details
S201	Foundation Details



505 268 2266

DATE USER DEPARTMENT

	NEER'S 1P & SIGN/	ATURE	APPROV	ED	ENGINEER	DATE	
RAWINGS AUGUST 2017							
Documents consists of corrected plans showing the f the work, conforming to the construction records intractor. While the information submitted by the							
orporated by the Landscape Architect into the Record imed to be reliable, the Landscape Architect has not cy and/or completeness of the information and shall not							
any errors or omissions which may be incorporated  Those relying on these Record Documents are advised to							
t verification of their accuracy before applying it for any				PRO	JECT # 79500	3	G001

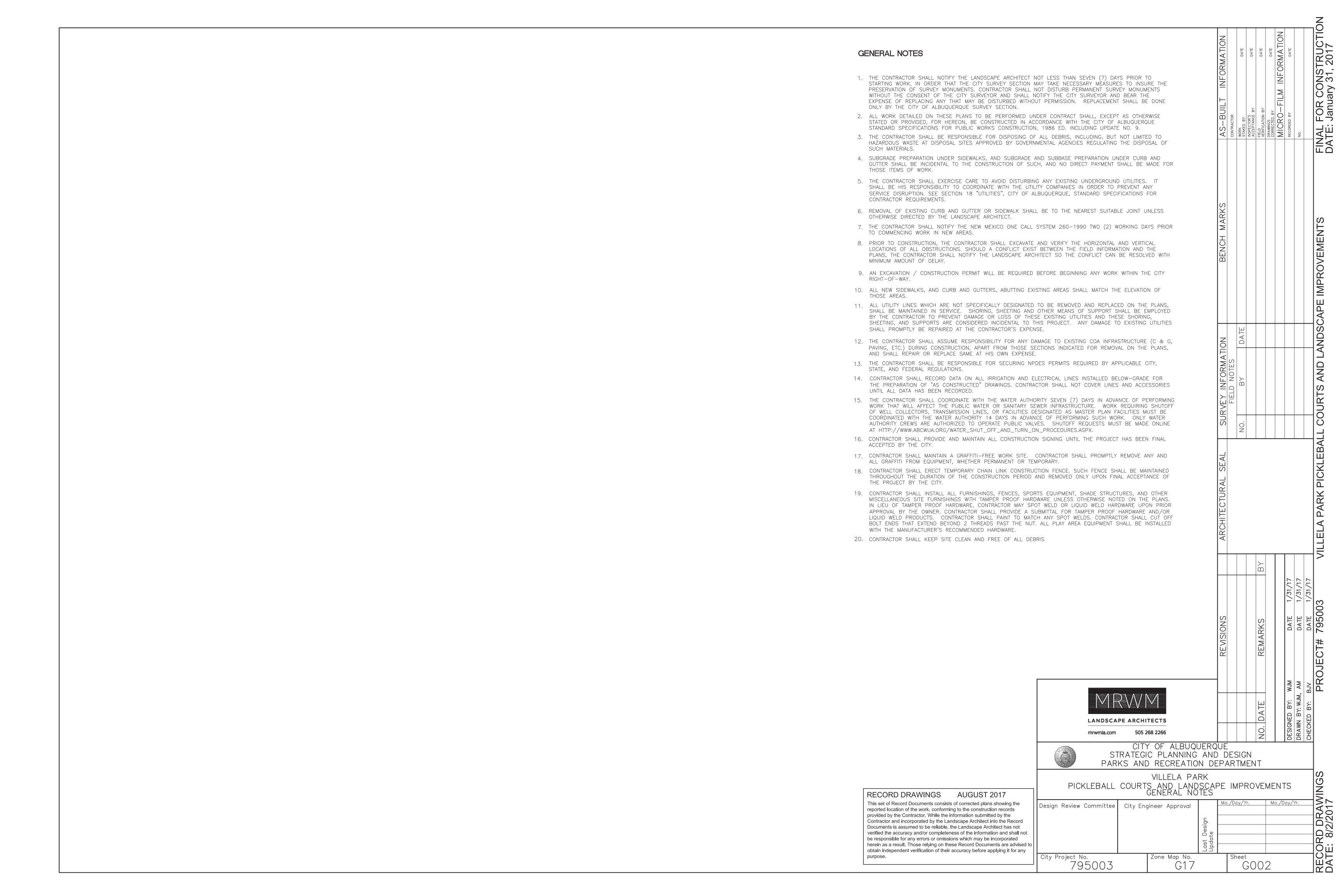
CITY ENGINEER

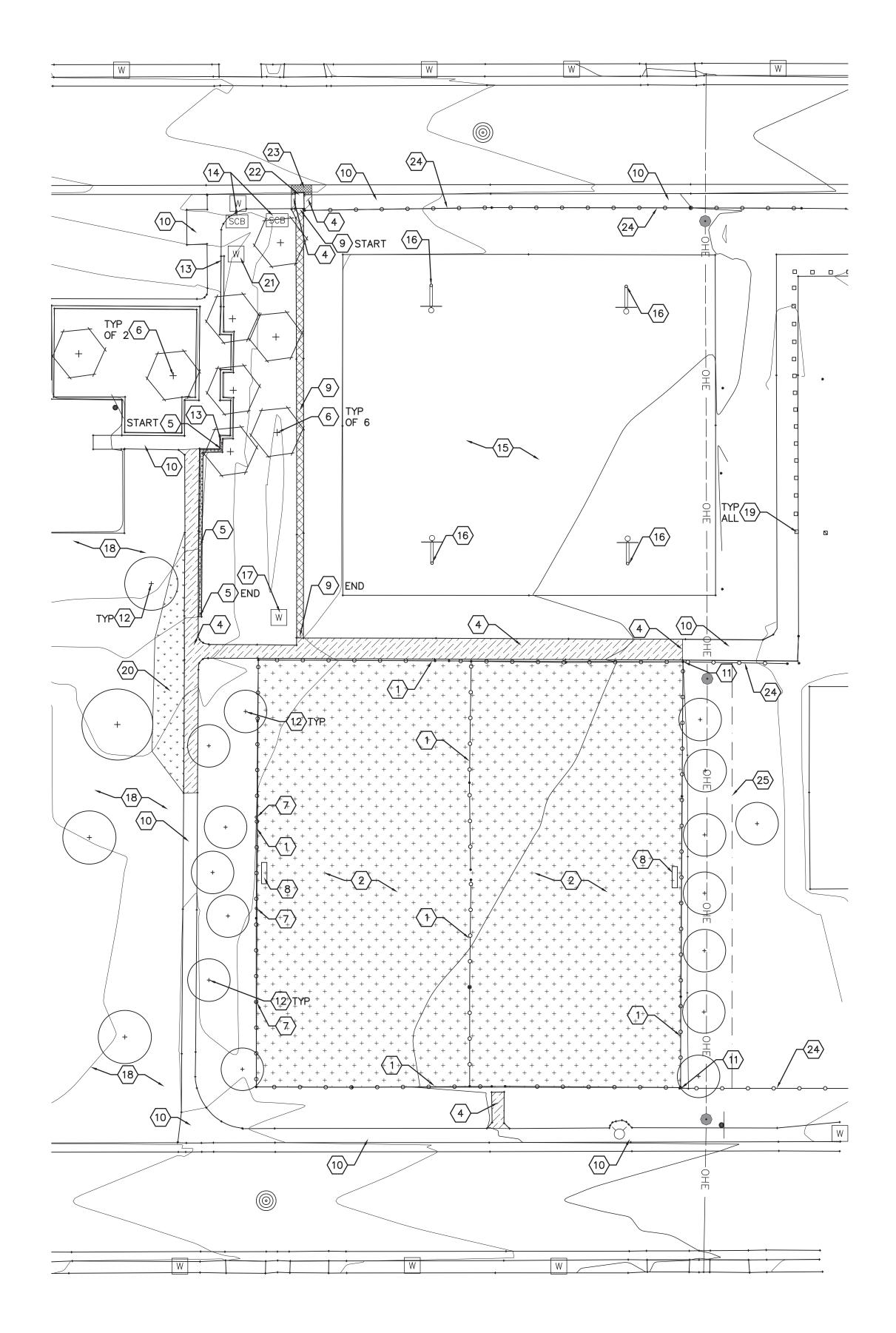
**USER DEPARTMENT** 

SHEETS

RECORD DF This set of Record be responsible for herein as a result obtain independer

RECORD DRAWINGS DATE: 8/2/17





# O DEMOLITION KEYED NOTES

- 1. REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE, INCLUDING FOOTINGS. FILL AND COMPACT VOIDS CREATED BY THE REMOVAL OF FOOTINGS.
- 2. REMOVE AND DISPOSE OF EXISTING ASPHALT TENNIS COURTS.
- 4. REMOVE AND DISPOSE OF CONCRETE WALK. LIMITS SHOWN ARE APPROXIMATE. REMOVE TO NEAREST
- 5. REMOVE AND DISPOSE OF EXISTING CONCRETE RETAINING WALL. LIMITS SHOWN ARE APPROXIMATE. REMOVE TO THE NEAREST JOINT.
- 6. REMOVE AND DISPOSE OF TREE. GRIND TREE STUMP TO A DEPTH OF 24" BELOW FINISH GRADE. REMOVE
- STUMP GRINDINGS, FILL AND COMPACT VOID WITH CLEAN SOIL BACKFILL.

  7. REMOVE AND DISPOSE OF EXISTING TREE STUMP. GRIND TO A DEPTH OF 24" BELOW FINISH GRADE.

11. DISCONNECT EXISTING 4' CHAIN LINK FENCE FROM EXISTING 8' CHAIN LINK FENCE POST. EXISTING CHAIN

- REMOVE STUMP GRINDINGS, FILL AND COMPACT VOID WITH CLEAN BACKFILL.
- 8. REMOVE AND DISPOSE OF EXISTING BENCH, INCLUDING CONCRETE FOOTINGS.
  9. REMOVE AND DISPOSE OF EXISTING CONCRETE VALLEY GUTTER.
- LINK FENCE TO REMAIN. CONTRACTOR SHALL PROTECT FENCE FROM DAMAGE FROM CONSTRUCTION OPERATIONS. SEE DEMOLITION GENERAL NOTE G AND CONSTRUCTION KEYED NOTES #17 AND 18, SHEET
- 12. EXISTING TREE TO REMAIN. SEE TREE PROTECTION NOTES.
  13. EXISTING CONCRETE RETAINING WALL TO REMAIN.
- 14. EXISTING IRRIGATION BACKFLOW PREVENTER AND CONTROLLER TO REMAIN.
  15. EXISTING CONCRETE BASKETBALL COURT TO REMAIN.
- 16. EXISTING BASKETBALL GOAL TO REMAIN.
  17. REMOVE AND DISPOSE OF EXISTING HOSE BIB AND VALVE CAN. CUT AND CAP WATER LINE BELOW GRADE.
- FILL AND COMPACT VOID WITH CLEAN FILL.
- 18. EXISTING TURF GRASS TO REMAIN.
  19. EXISTING WOODEN BOLLARDS TO REMAIN.

10. EXISTING CONCRETE WALK TO REMAIN.

- 20. REMOVE AND DISPOSE OF EXISTING TURF WITHIN LIMITS OF GRADING.
  21. REMOVE AND DISPOSE OF EXISTING AUTOMATIC VALVE AND VALVE BOX. CUT AND CAP LATERAL UPSTREAM
- OF VALVE. FILL AND COMPACT VOID WITH CLEAN FILL.

  22. REMOVE AND DISPOSE OF EXISTING STEEL SIDEWALK CULVERT, INCLUDING CONCRETE BASE.
- 23. REMOVE AND DISPOSE OF EXISTING CONCRETE CURB AND GUTTER. LIMITS SHOWN ARE APPROXIMATE.
- CONTRACTOR SHALL FIELD VERIFY LIMITS PRIOR TO REMOVAL.
- 25. INSTALL TEMPORARY CHAIN LINK FENCE EAST OF EXISTING VITEX ON ADJACENT PROPERTY. SEE DEMOLITION GENERAL NOTE G. CONTRACTOR SHALL COORDINATE LOCATION OF TEMPORARY FENCE WITH ADJACENT

#### DEMOLITION GENERAL NOTES

- A. EXISTING IRRIGATION BACKFLOW PREVENTER, MASTER VALVE, MAIN LINE, AND CONTROLLER ARE TO REMAIN. CONTRACTOR SHALL REMOVE BUBBLERS AND RISERS AND/OR DRIP TUBE TO ANY EXISTING TREES TO BE
- REMOVED AND CAP LATERAL LINE AT THE TEE.

  B. CONTRACTOR SHALL FILL AND COMPACT ALL VOIDS CREATED BY DEMOLITION WORK WITH CLEAN BACKFILL
- MATERIAL WHICH SHALL BE APPROVED BY OWNER PRIOR TO BACKFILL OPERATIONS.
- C. CONTRACTOR SHALL PROTECT EXISTING UTILITIES FROM DAMAGE. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
   D. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT NEW MEXICO ONE CALL
- SYSTEM (811) FOR LOCATION OF EXISTING UTILITIES.

  E. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE NO DAMAGE OCCURS TO EXISTING STRUCTURES, TREES, AND PAVEMENT TO REMAIN AND ITEMS TO BE SALVAGED. ANY DAMAGE TO ITEMS TO REMAIN OR TO BE SALVAGED RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE REPAIRED AND/OR
- REPLACED AT NO ADDITIONAL COST TO THE OWNER.

  F. ALL AREAS ADJACENT TO THE SITE SHALL BE MAINTAINED IN A CLEAN CONDITION, MUD AND DUST FREE AT
- G. THE AREA IMMEDIATELY EAST OF THE EXISTING PICKLEBALL COURTS IS A PLAY AREA FOR THE BOYS AND GIRLS CLUB. CONTRACTOR SHALL COORDINATE WITH BOYS AND GIRLS CLUB, TIM SHEHAN (303-945-6658), TO INSTALL TEMPORARY FENCING TO PREVENT CHILDREN FROM ENTERING CONSTRUCTION SITE.

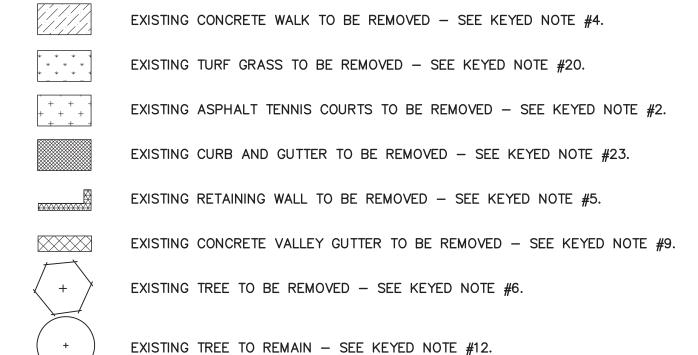
#### TREE PROTECTION NOTES

- CONTRACTOR SHALL ESTABLISH A ROOT PROTECTION ZONE AROUND EACH EXISTING TREE TO REMAIN. THE ROOT PROTECTION ZONE SHALL BE AN AREA DEFINED BY A RADIUS EXTENDING OUTWARD FROM THE TRUNK OF THE TREE A DISTANCE OF ONE LINEAR FEET FOR EACH INCH DIAMETER OF THE TREE. THE TREE DIAMETER SHALL BE MEASURED AT BREAST HEIGHT (4.5'). A 10 INCH DIAMETER TREE WILL HAVE A 10 FOOT RADIUS ROOT PROTECTION ZONE
- 2. CONTRACTOR SHALL ERECT PROTECTIVE BARRIERS (FENCING) AT THE PERIMETER OF ROOT PROTECTION ZONES. NO WORK SHALL BEGIN WHERE TREE PROTECTION FENCING HAS NOT BEEN COMPLETED AND APPROVED. TREE PROTECTION FENCING SHALL BE INSTALLED, MAINTAINED AND REPAIRED BY THE
- CONTRACTOR DURING CONSTRUCTION. THE FENCING WILL BE A MINIMUM OF 4' HEIGHT.

  3. CONTRACTOR SHALL NOT STORE OR DRIVE EQUIPMENT, VEHICLES OR MATERIALS WITHIN THE ROOT
- 4. CONTRACTOR SHALL PROTECT EXISTING ROOTS FROM DAMAGE WHEN WORKING WITHIN THE ROOT PROTECTION ZONE. THE CONTRACTOR SHALL LIMIT DEMOLITION OR OTHER CONSTRUCTION ACTIVITIES WITHIN THE ROOT
- PROTECTION ZONE TO THE MINIMUM DISTURBANCE REQUIRED TO COMPLETE CONSTRUCTION.

  5. CONTRACTOR SHALL NOT ALLOW CONCRETE TRUCKS TO CLEAN CHUTES OR DUMP EXCESS CONCRETE OR ANY OTHER CEMENTITIOUS PRODUCTS IN ANY PORTION OF THE SITE. CONTRACTOR SHALL CLEAN THE WASTE OF OTHER CEMENTITIOUS MATERIALS FROM THE SURFACE AND THEY SHALL NOT BE TURNED UNDER DURING FINAL GRADING.

## HATCH AND SYMBOL LEGEND



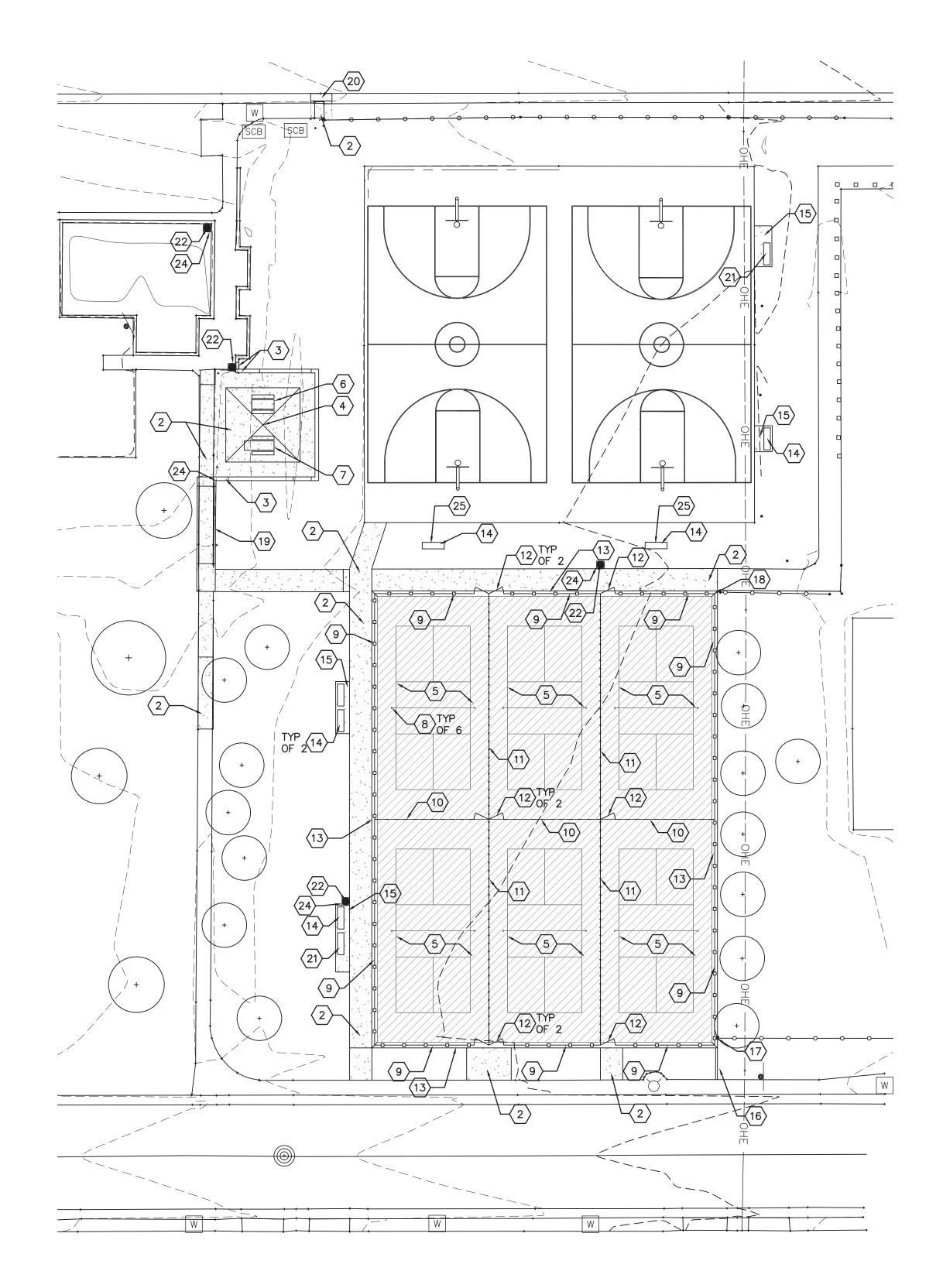
#### LINETYPE LEGEND

- - TEMPORARY CHAIN-LINK FENCE SEE DEMOLITION KEYED NOTE #25.



RECORD DRAWINGS AUGUST 2017 This set of Record Documents consists of corrected plans showing the reported location of the work, conforming to the construction records provided by the Contractor. While the information submitted by the Contractor and incorporated by the Landscape Architect into the Record Documents is assumed to be reliable, the Landscape Architect has not verified the accuracy and/or completeness of the information and shall not be responsible for any errors or omissions which may be incorporated herein as a result. Those relying on these Record Documents are advised to obtain independent verification of their accuracy before applying it for any LANDSCAPE ARCHITECTS 505 268 2266 CITY OF ALBUQUERQUE STRATEGIC PLANNING AND DESIGN PARKS AND RECREATION DEPARTMENT VILLELA PARK PICKLEBALL COURTS AND LANDSCAPE IMPROVEMENTS DEMOLITION PLAN RECORD DRAV DATE: 8/2/2017 Design Review Committee | City Engineer Approval City Project No. Zone Map No. 795003 LD101







○ CONSTRUCTION	KEYED	NOTES
 NOT USED.		

2. CONSTRUCT 4" THICK CONCRETE WALK PER COA STD. DWG. #2720, SIM.

3. CONSTRUCT CONCRETE RETAINING WALL, HEIGHT VARIES. SEE DETAIL 3/LS502. 4. FURNISH AND INSTALL SHADE STRUCTURE. STRUCTURE SHALL BE 20'X20'X12' EAVE HEIGHT HIP-ROOF STRUCTURE BY SHADE SYSTEMS (800)609-6066. POWDER COAT AND CANOPY COLOR TO BE SELECTED BY COA. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS, STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW MEXICO, FOR REVIEW AND APPROVAL BY LANDSCAPE

5. CONSTRUCT POST TENSIONED CONCRETE PICKLEBALL COURT WITH WET-CURE FINISH. SEE DETAIL 1/LS503, AND SHEETS S001, S101, S102 AND S201.

6. FURNISH AND INSTALL 6' STEEL TABLE WITH 6' BENCHES. TABLE SHALL BE DUMOR MODEL 443 AS AVAILABLE FROM EXERPLAY (800)457-5444. COLOR TO BE SELECTED BY COA.

7. FURNISH AND INSTALL 8' STEEL TABLE WITH 6' BENCHES. TABLE SHALL BE DUMOR MODEL 443 AS

AVAILABLE FROM EXERPLAY (800)457-5444. COLOR TO BE SELECTED BY COA. 8. FURNISH AND INSTALL PICKLÈBALL POSTS AND NET. POSTS SHALL BE PREMIER RD-36 BY DOUGLAS, (800)553-8907, AND SHALL INCLUDE MODEL GS-24RD/ST GALVANIZED SLEEVES, JTN-30 PICKLEBALL NET, ACS ADJUSTABLE CENTER STRAP, AND CENTER PIPE ANCHOR. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

9. CONSTRUCT 8'-0" CHAIN LINK FENCE WITH 6'-0" WIND SCREEN. SEE DETAILS 3/LS501 AND 6/LS501. WIND SCREEN SHALL BE CI-PRO KNIT TENNIS COURT WINDSCREEN, 70% BY CI FABRICS (619)661-7166. COLOR: GREEN. INSTALL SCREEN PER MANUFACTURER'S RECOMMENDATIONS. CENTER VERTICALLY ON

FENCE. 10. CONSTRUCT 8'-0" CHAIN LINK FENCE. SEE DETAILS 6/LS501 AND 4/LS503.

11. CONSTRUCT 6'-0" CHAIN LINK FENCE. SEE DETAILS 4/LS501 AND 4/LS503.

12. CONSTRUCT 8'-0" CHAIN LINK GATE. SEE DETAILS 5/LS501 AND 4/LS503. 13. CONSTRUCT 18" WIDE BY 8" DEPTH CONCRETE HEADER AT BASE OF 8'-0" FENCE. SEE DETAIL

14. FURNISH AND INSTALL 6' BACKLESS BENCH. BENCH SHALL BE DUMOR MODEL 92 WITH INTERMEDIATE ARM REST, AS AVAILABLE FROM EXERPLAY (800)457-5444. COLOR TO BE SELECTED BY COA.

15. CONSTRUCT CONCRETE PAD FOR BENCH. SEE DETAIL 5/LS502. 16. CONSTRUCT LANDSCAPE CONCRETE EDGER PER COA STD. DWG. #2727.

17. INSTALL NEW 4' FENCE END POST IN CONCRETE HEADER AND CONNECT 4' CHAIN LINK FENCE

PROTECTED DURING DEMOLITION OPERATIONS TO NEW POST PER DETAIL 1/LS502. 18. CONNECT 4' CHAIN LINK FENCE PROTECTED DURING DEMOLITION OPERATIONS TO NEW 8'-0" FENCE

CORNER POST. 19. CONSTRUCT CONCRETE RAMP WITH HAND RAILS PER DETAIL 2/LS502.

20. CONSTRUCT STANDARD CONCRETE CURB AND GUTTER PER COA STD. DWG. 2415A. 21. FURNISH AND INSTALL 6' BENCH. BENCH SHALL BE DUMOR MODEL 58 WITH INTERMEDIATE ARM REST, AS

AVAILABLE FROM EXERPLAY (800)457-5444. COLOR TO BE SELECTED BY COA. 22. FURNISH AND INSTALL TRASH RECEPTACLE. RECEPTACLE SHALL BE MODEL RSO-35, AVAILABLE FROM SECURR, 1-888-671-7066 (OR APPROVED EQUAL). SURFACE MOUNT PER MANUFACTURERS INSTRUCTIONS. COLOR: TO BE SELECTED BY COA.

23. NOT USED. 24. CONSTRUCT CONCRETE PAD FOR TRASH RECEPTACLE. SEE DETAIL 6/LS502.

25. FURNISH AND INSTALL FOUR ANCHOR POSTS EMBEDDED IN CONCRETE FOOTINGS PER BENCH IN CRUSHER FINE AREA. ANCHOR POST SHALL BE MODEL 63-471/58 SERIES BY DUMOR AS AVAILABLE FROM EXERPLAY (800)457-5444. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

#### HATCH LEGEND

4" THICK CONCRETE - SEE KEYED NOTE #2.

POST-TENSIONED CONCRETE PICKLEBALL COURTS - SEE KEYED NOTE #5.

## FENCING LEGEND

6' HEIGHT CHAIN LINK FENCE - SEE KEYED NOTE #11.

---- 8' HEIGHT CHAIN LINK FENCE - SEE KEYED NOTE #10.

RECORD DRAWINGS

AUGUST 2017

This set of Record Documents consists of corrected plans showing the

obtain independent verification of their accuracy before applying it for any

reported location of the work, conforming to the construction records provided by the Contractor. While the information submitted by the Contractor and incorporated by the Landscape Architect into the Record Documents is assumed to be reliable, the Landscape Architect has not verified the accuracy and/or completeness of the information and shall not be responsible for any errors or omissions which may be incorporated

--- 8' HEIGHT CHAIN LINK FENCE WITH 70% WIND SCREEN - SEE KEYED NOTE #9.

> LANDSCAPE ARCHITECTS 505 268 2266 CITY OF ALBUQUERQUE

> > RECORD DRAW DATE: 8/2/2017

LS101



STRATEGIC PLANNING AND DESIGN PARKS AND RECREATION DEPARTMENT

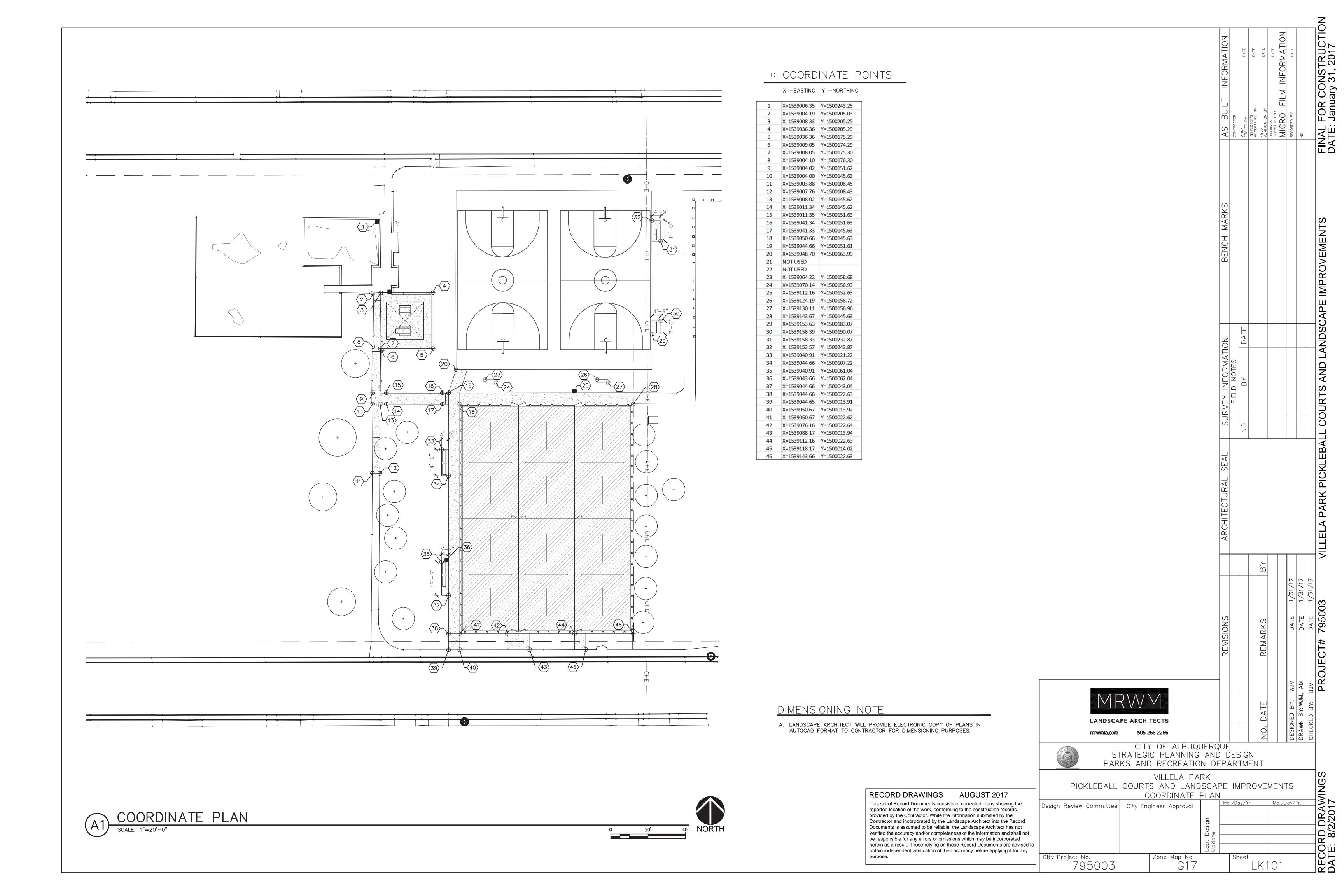
VILLELA PARK PICKLEBALL COURTS AND LANDSCAPE IMPROVEMENTS CONSTRUCTION PLAN

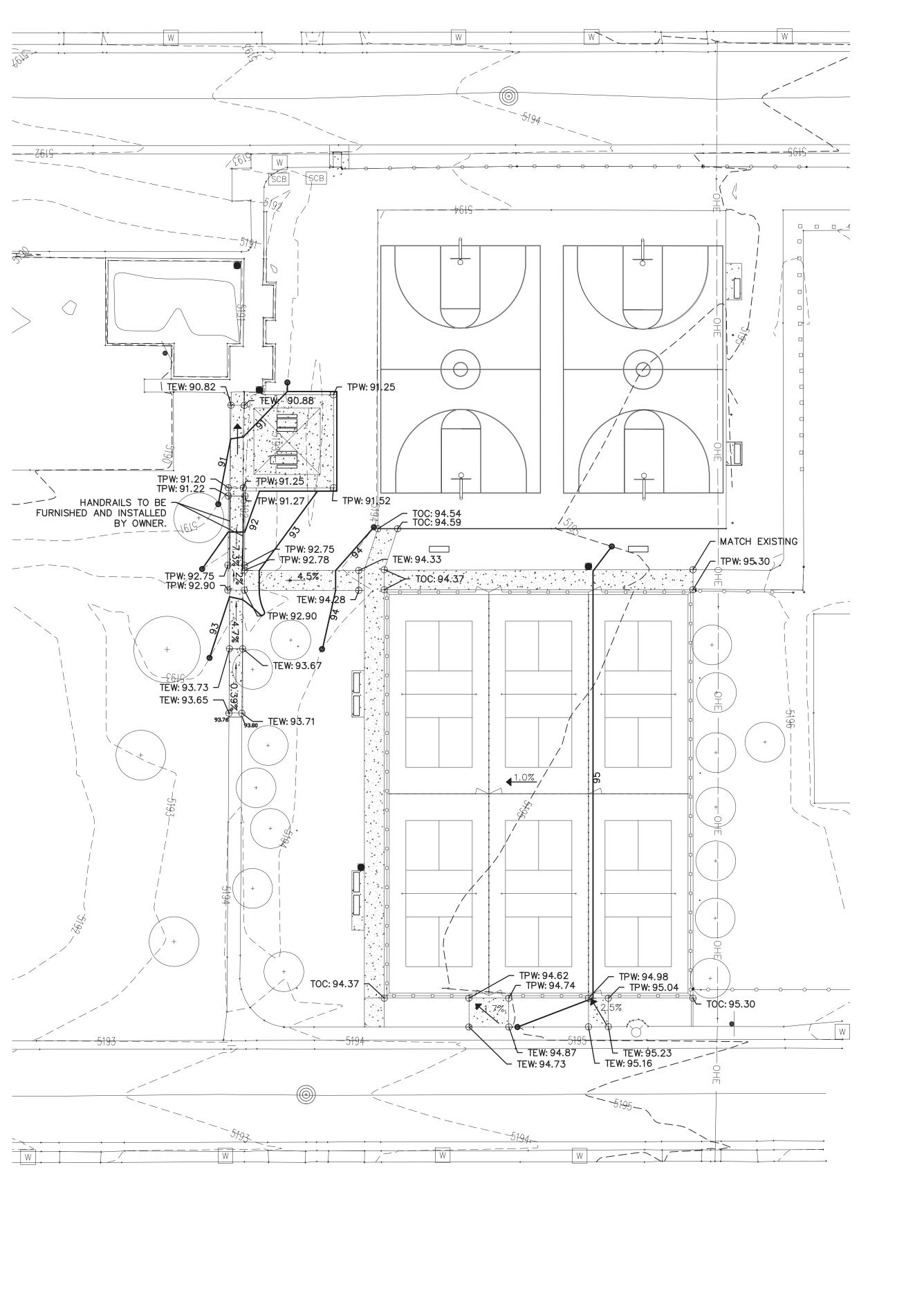
Design Review Committee | City Engineer Approval

mrwmla.com

herein as a result. Those relying on these Record Documents are advised to City Project No. 795003 Zone Map No.

$\sqrt{1}$	CONSTRUCTION	PLAN
$H \cap \mathcal{F}$	SCALE: 1"-20'-0"	_









EXISTING 6" INTERVAL CONTOURS

TOP OF CONCRETE SPOT ELEVATION

EXISTING 1' INTERVAL CONTOURS

# GRADING GENERAL NOTES

- A. TOP OF NEW CONCRETE, WALKS, PLAZAS, PADS, ETC, SHALL BE 1" ABOVE TOP OF ADJACENT TURF OR MULCH.

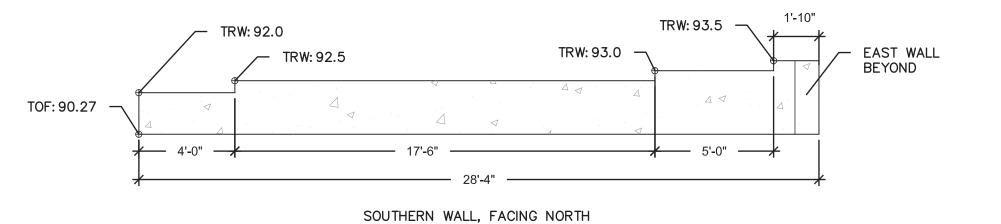
  B. WHERE NEW SIDEWALK ABUTS EXISTING SIDEWALK, TOP OF NEW SIDEWALK SHALL BE FLUSH WITH TOP OF EXISTING WALK, UNLESS OTHERWISE NOTED ON PLAN.

#### GRADING ABBREVIATIONS

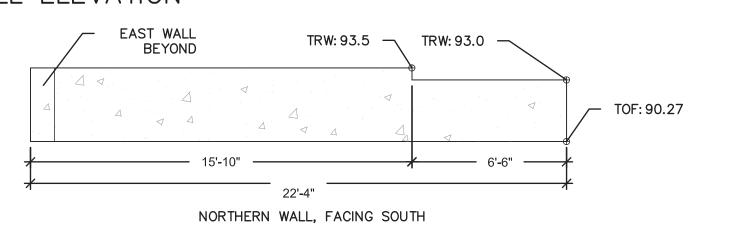
- TPW TOP OF PROPOSED WALK
- TEW TOP OF EXISTING WALK (APPROXIMATE)
- TOC TOP OF CURB
- TRW TOP OF RETAINING WALL

RECORD DRAWINGS

### RETAINING WALL ELEVATION



# RETAINING WALL ELEVATION



AUGUST 2017

This set of Record Documents consists of corrected plans showing the

Contractor and incorporated by the Landscape Architect into the Record Documents is assumed to be reliable, the Landscape Architect has not verified the accuracy and/or completeness of the information and shall not be responsible for any errors or omissions which may be incorporated

obtain independent verification of their accuracy before applying it for any

reported location of the work, conforming to the construction records provided by the Contractor. While the information submitted by the





CITY OF ALBUQUERQUE STRATEGIC PLANNING AND DESIGN PARKS AND RECREATION DEPARTMENT

RECORD DRAWI DATE: 8/2/2017

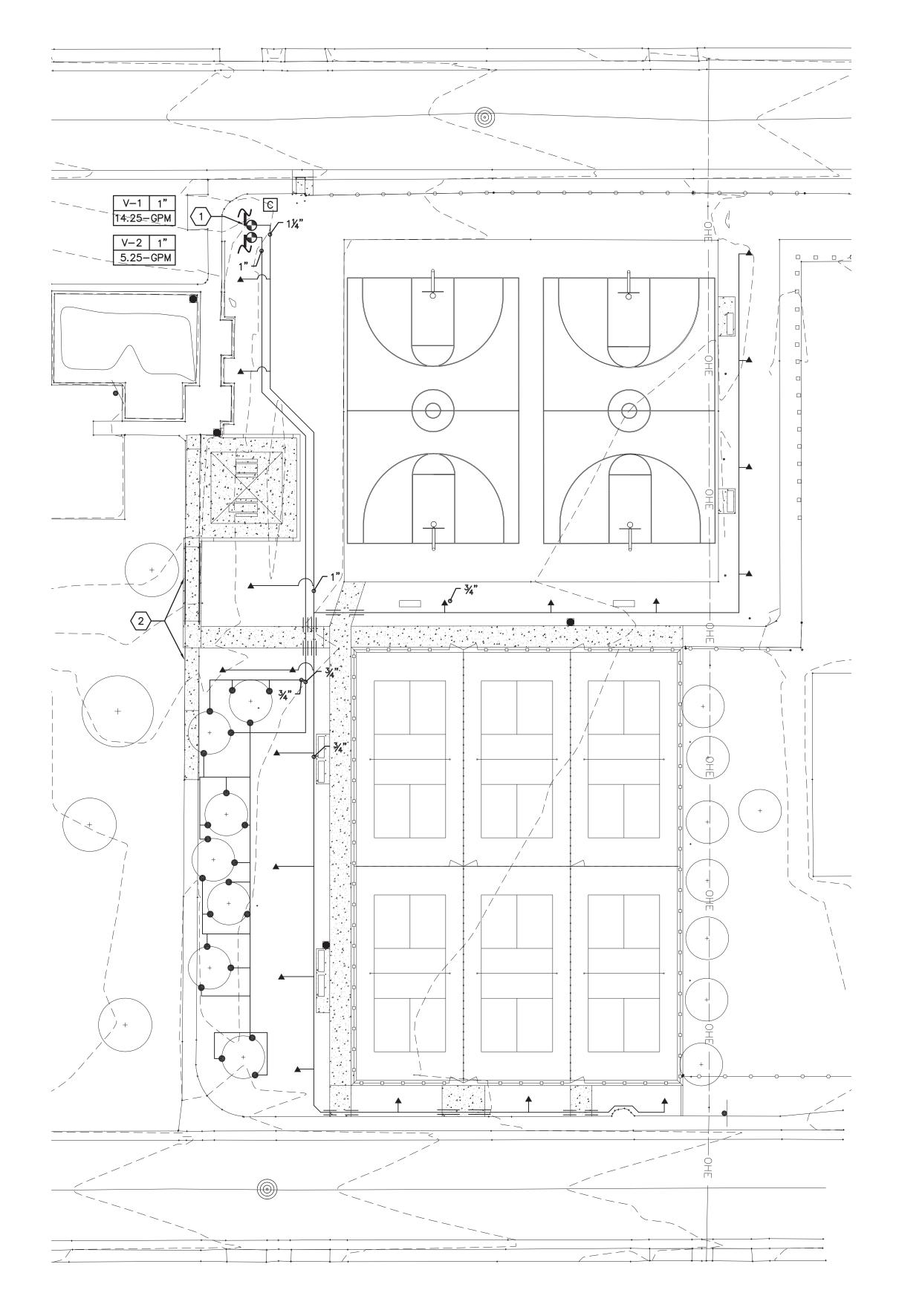
LG101

VILLELA PARK PICKLEBALL COURTS AND LANDSCAPE IMPROVEMENTS

GRADING PLAN Design Review Committee | City Engineer Approval

herein as a result. Those relying on these Record Documents are advised to City Project No. 795003 Zone Map No. G17

GRADING PLAN





IRRIGATION LEGEND

EXISTING PVC IRRIGATION MAIN LINE.

LATERAL PIPING, SCH. 40, BELL END, SOLVENT WELD PVC, SIZE AS SHOWN ON PLAN. DEPTH OF BURY, 18". LATERAL PIPE CONVEYING LESS THAN 5 GPM SHALL BE 3/4".

== == LATERAL SLEEVE PIPING, CLASS 200, SDR-21, BELL-END, SOLVENT WELD PVC.

REMOTE CONTROL VALVE ASSEMBLY, RAIN BIRD PEB SERIES, OR EQUAL, PLASTIC BODY 24-VOLT AUTOMATIC VALVE, SIZE AS SHOWN ON PLAN. INSTALL PER COA STD. DWG. 2705.

PRESSURE COMPENSATING BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES:

MODEL NO. GPM PSI

1401 .25 30 SEE COA STD. DWG. 2712.
1401 .75 (3 PER TREE) 30 SEE COA STD. DWG. 2712
AND 4/LS502.

EXISTING IRRIGATION CONTROLLER. EXTEND ONE COMMON AND TWO CONTROL WIRES FROM EXISTING CONTROLLER TO NEW REMOTE CONTROL VALVES.

# IRRIGATION NOTES

- A. WHERE SLEEVING IS SHOWN ON THE PLAN, INSTALLATION SHALL BE COORDINATED WITH ALL TRADES TO ENSURE THAT PIPE AND SLEEVES ARE INSTALLED AT PROPER DEPTHS AND PRIOR TO INSTALLATION OF CURB AND GUTTER, ASPHALT PAVEMENT, SIDEWALKS, CONCRETE PADS, ETC.
- B. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CONSTRUCT PROPOSED IRRIGATION SYSTEM IN ACCORDANCE WITH PLANS, WRITTEN SPECIFICATIONS AND DETAILS.
- C. FOR PVC IRRIGATION PIPING AND EQUIPMENT REFERENCE SPECIFICATION SECTION 1001 LANDSCAPE IRRIGATION.
- D. THE LOCATION AND SIZE OF IRRIGATION EQUIPMENT ON THE PLAN IS SHOWN DIAGRAMMATICALLY FOR GRAPHIC CLARITY. THE LOCATION OF CONTROLLERS, PUMPS, BACKFLOW PREVENTERS, VALVES, ETC. SHALL BE APPROVED BY THE LANDSCAPE
- ARCHITECT IN THE FIELD.

  E. THE LOCATION OF IRRIGATION MAIN AND LATERAL LINES ON THE PLAN IS SHOWN DIAGRAMMATICALLY FOR GRAPHIC CLARITY. UNLESS OTHERWISE NOTED ON THE PLAN, ANY IRRIGATION LINES SHOWN IN HARDSCAPE AREAS IS FOR GRAPHIC CLARITY ONLY. IRRIGATION LINES SHALL BE LOCATED IN IMMEDIATELY ADJACENT LANDSCAPE AREAS.
- F. ALL VALVE BOXES SHALL BE TAN WITH TAN BOLT-DOWN LIDS.
  G. IRRIGATION SYSTEM WAS DESIGNED AT A MINIMUM STATIC PRESSURE OF 60 PSI AT THE POINT OF CONNECTION. CONTRACTOR SHALL VERIFY ACTUAL PSI AND DELIVER RESULTS TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. IN THE EVENT THE ACTUAL PSI IS LESS THAN 60 PSI THE CONTRACTOR SHALL RECEIVE DIRECTION FROM LANDSCAPE ARCHITECT REGARDING DESIGN MODIFICATIONS IF NECESSARY.

# 

- 1. IRRIGATION SYSTEM POINT OF CONNECTION. CONTRACTOR SHALL POT HOLE TO LOCATE EXISTING IRRIGATION MAIN LINE. CONNECT PROPOSED IRRIGATION VALVE TO EXISTING MAIN LINE.
- 2. CONTRACTOR SHALL LOCATE EXISTING IRRIGATION HEADS IN THIS AREA AND LOWER OR RAISE AS NECESSARY TO BE AT THE CORRECT HEIGHT PER COA STD. DWG. 2711.

VALVE ID KEY
VALVE ID NUMBER VALVE SIZE
V-1 1" 25.5-GPM
VALVE GALLONS PER MINUTE

		REVISIONS	REMARKS	DATE	ך ל ז
	LANDSCAPE ARCHITECTS mrwmla.com 505 268 2266		NO. DATE	DESIGNED BY: WJM DRAWN BY: WJM, AM	  -
	CITY OF ALBUQUERO STRATEGIC PLANNING AND PARKS AND RECREATION DE	DESIG	_		
PICk	VILLELA PARK KLEBALL COURTS AND LANDSCA	PE IMP	ROVEME	NTS	

IRRIGATION PLAN

RECORD DRAW DATE: 8/2/2017

RECORD DRAWINGS AUGUST 2017

This set of Record Documents consists of corrected plans showing the reported location of the work, conforming to the construction records

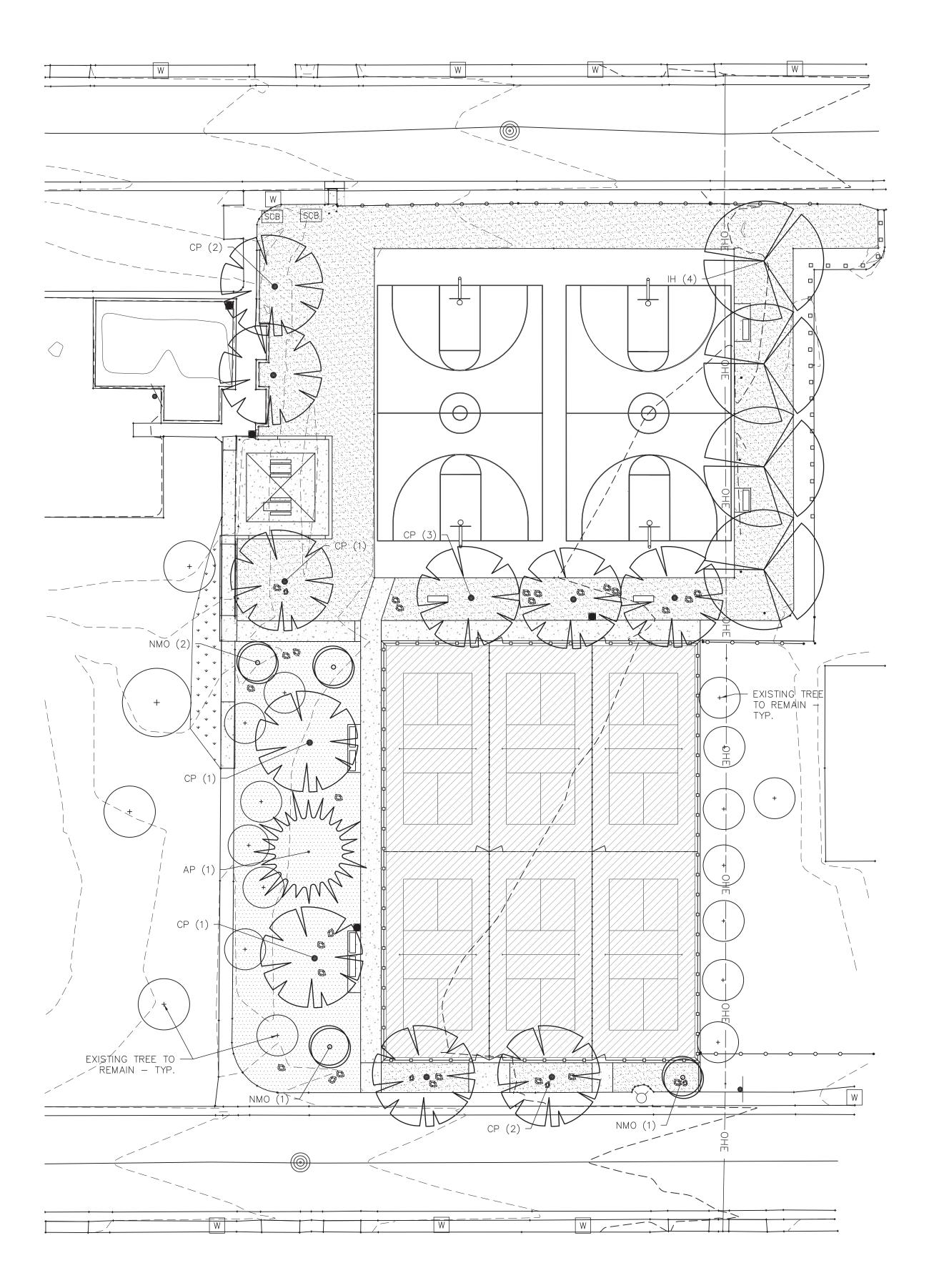
provided by the Contractor. While the information submitted by the Contractor and incorporated by the Landscape Architect into the Record Documents is assumed to be reliable, the Landscape Architect has not verified the accuracy and/or completeness of the information and shall not be responsible for any errors or omissions which may be incorporated herein as a result. Those relying on these Record Documents are advised to obtain independent verification of their accuracy before applying it for any

City Project No. 795003 Zone Map No. G17 Sheet L1101

Design Review Committee | City Engineer Approval

IRRIGATION PLAN

SCALE: 1"=20'-0"



# PLANT LEGEND

Υ	COMMON NAME	BOTANICAL NAME	QTY	INSTALLED SIZE	REMARKS	MATURE SIZE
EES						
)	CHINESE PISTACHE	PISTACHIA CHINENSIS	10	2" CAL., 10'-12' HT.	В&В	30' HT. X 30' SPD.
10	NEW MEXICO OLIVE	FORESTIERA NEOMEXICANA	4	4'-6' HT.	15 GA, MULTI	15' HT. X 12' SPD.
)	AUSTRIAN PINE	PINUS NIGRA	1	6'-8' HT.	В&В	40' HT. X 30' SPD.
	IMPERIAL HONEYLOCUST	GLEDITSIA TRIA. INERMIS 'IMPERIAL'	4	2" CAL., 10'-12' HT.	B&B	30' HT. X 35' SPD.

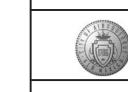
#### HATCH LEGEND

777-011-22-02145
CRUSHER FINE MULCH - SEE PLANTING NOTE B.
BARK MULCH - SEE PLANTING NOTE K.
TURFGRASS SOD - SEE PLANTING NOTE J.
ACCENT BOULDER - SEE PLANTING NOTE I.

#### PLANTING NOTES

- A. IN CASE OF DISCREPANCY IN PLANT QUANTITIES SHOWN ON THE PLANT LEGEND AND THOSE SHOWN ON THE PLANTING PLAN, THE QUANTITIES SHOWN ON THE PLAN SHALL GOVERN. CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO BID AND INSTALLATION. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY DISCREPANCIES IN QUANTITIES BETWEEN THE PLANTING PLAN AND THE PLANT LIST.
- B. CRUSHER FINE MULCH SHALL BE 'BUILDOLOGY BROWN FINES', AS AVAILABLE FROM BUILDOLOGY, INC. (505–344–6626), OR APPROVED EQUAL, INSTALLED AT A 4" DEPTH OVER FILTER FABRIC.
- C. FILTER FABRIC SHALL BE MIN. 4 OZ. NON-WOVEN NEEDLE-PUNCHED POLYPROPYLENE (DEWITT OR EQUIVALENT). OVERLAP ENDS 3" AND TURN DOWN EDGES 6".
- D. THE TOP OF MULCH SHALL BE 1" BELOW TOP OF ADJACENT CONCRETE SURFACES. E. CONTRACTOR SHALL PRUNE LOWER BRANCHES OF DECIDUOUS TREES AS DIRECTED BY
- LANDSCAPE ARCHITECT IN THE FIELD.
- F. TREES SHALL BE INSTALLED PER COA STD. DWG. 2714. G. SHRUBS SHALL BE INSTALLED PER COA STD. DWG. 2716.
- H. IF THERE IS A DISCREPANCY IN THE FIELD OR NURSERY BETWEEN THE CONTAINER SIZE CALLED OUT UNDER "REMARKS" AND HEIGHT & SPREAD CALLED OUT UNDER "SIZE", THE SPECIFIED PLANT MUST MEET HEIGHT & SPREAD REQUIREMENTS SPECIFIED UNDER "SIZE", EVEN IF A LARGER CONTAINER SIZE IS REQUIRED TO MEET THESE SPECIFICATIONS, AT NO ADDITIONAL COST TO THE OWNER.
- ACCENT BOULDERS SHALL BE INSTALLED PER DETAIL 1/LS501.
- J. SOD SHALL BE 'KENTUCKY BLUEGRASS', AS AVAILABLE FROM GARDNER TURFGRASS, (505-384-2430), OR APPROVED EQUAL. TOP OF SOD SHALL BE INSTALLED 1" BELOW TOP OF ADJACENT CONCRETE SURFACES.
- K. BARK MULCH SHALL BE 'SCREENED MULCH', AS AVAILABLE FROM SOILUTIONS (505-877-0220), OR APPROVED EQUAL, INSTALLED AT A 4" DEPTH.

	REV	RF			
				MCW	AM
MRWM		ATF	: 1	BY:	BY: WJM,
ANDSCAPE ARCHITECTS		)		Li L	
mrwmla.com 505 268 2266		CN		DESIGNED	DRAWN
CITY OF ALBUQUERQ	UE				



STRATEGIC PLANNING AND DESIGN PARKS AND RECREATION DEPARTMENT

VILLELA PARK
PICKLEBALL COURTS AND LANDSCAPE IMPROVEMENTS
PLANTING PLAN

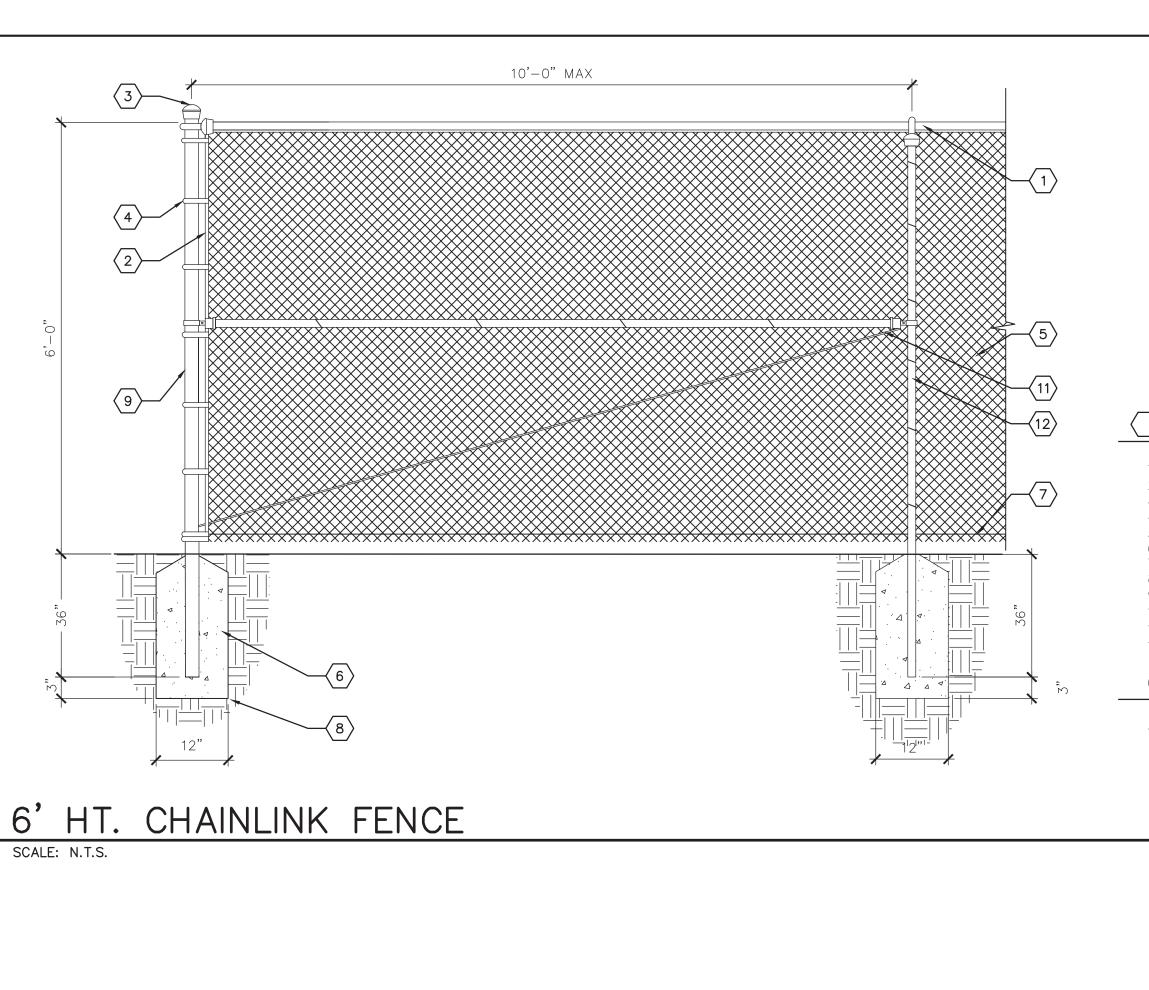
 RECORD DRAWI DATE: 8/2/2017



This set of Record Documents consists of corrected plans showing the reported location of the work, conforming to the construction records provided by the Contractor. While the information submitted by the Contractor and incorporated by the Landscape Architect into the Record Documents is assumed to be reliable, the Landscape Architect has not verified the accuracy and/or completeness of the information and shall not be responsible for any errors or omissions which may be incorporated herein as a result. Those relying on these Record Documents are advised to obtain independent verification of their accuracy before applying it for any purpose.

AUGUST 2017

RECORD DRAWINGS

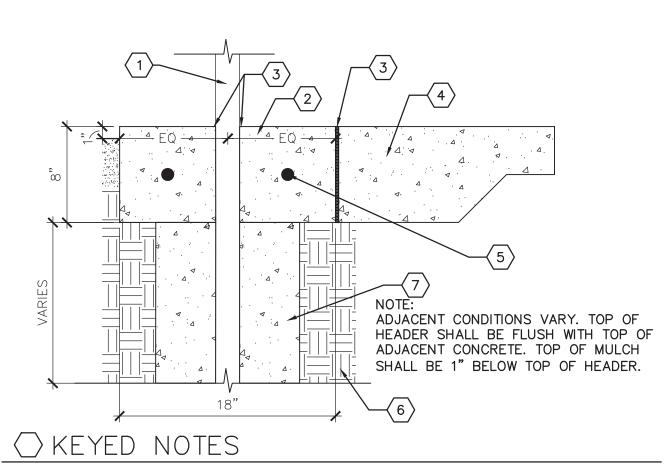


# 

- 1. 1 5/8" OUTSIDE DIAMETER TOP RAIL (SS40).
   2. 3/16" X 3/4" X 40" STRETCH BAR.
- 3. POST TOP CAP.
- 4. 12 GAUGE TENSION BANDS 15" O.C. MAX. 5. 9 GAUGE X 1 3/4" MESH FABRIC - KNUCKLE & KNUCKLE BOTH SIDES.
- 6. 3000 PSI CONCRETE FOOTING.7. 9 GAUGE BOTTOM TENSION WIRE WITH HOG RINGS.
- 8. 95% COMPACTED SUBGRADE. 9. CORNER/END POST-2 7/8" O.D. (SS40).
- 10. COMPRESSION BRACE 1 5/8" O.C. 11. 3/8" CROSS BRACE.
- 12. LINE POST 1 7/8" O.D (SS40)- 10' MAX SPACING.

#### GENERAL NOTES

A. TERMINAL POSTS AT GATES SHALL BE SIZED AS SPECIFIED IN GATE DETAILS. SEE PLAN FOR GATE LOCATIONS AND TYPE.



- 1. FENCE POST. WIDTH AND HEIGHT VARIES. CENTER POST IN HEADER.
- 2. 3000 PSI CONCRETE. 3. 1/2" EXPANSION MATERIAL.
- 4. POST-TENSION CONCRETE COURT. REFERENCE STRUCTURAL SHEETS AND DETAILS 101/S201, 102/S201, AND 105/S201.
- 5. (2) #4 REBAR, CONTINUOUS. 6. 95% COMPACTED SUBGRADE.
- 7. CONCRETE FOOTING. WIDTH AND DEPTH VARIES. REFERENCE DETAILS 4/LS501,



FINAL FOR CONSTRUC DATE: January 31, 2017

# VARIES, SEE PLAN.

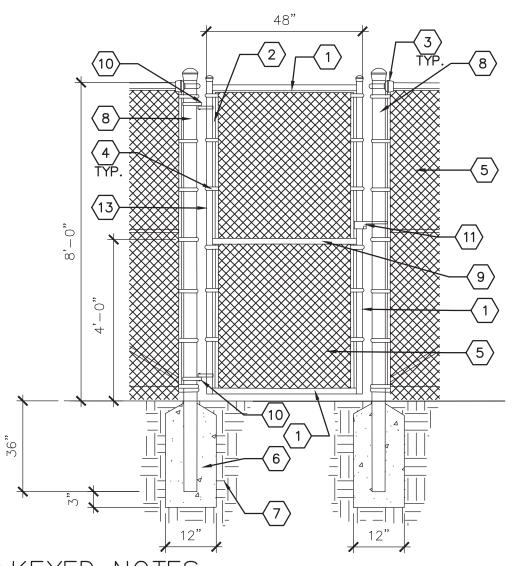
# 

- 1. 1 5/8" OUTSIDE DIA. TOP RAIL (SS40).
- 2. 3/16" X 5/8" X 144" STRETCH BAR. 3. POST TOP CAP.
- 4. TENSION BANDS 15" O.C. MAX. 5. 9 GAUGE X 1 3/4" MESH FABRIC - KNUCKLE & KNUCKLE BOTH SIDES.
- 6. CONCRETE FOOTING. 7. 9 GAUGE BOTTOM TENSION WIRE WITH HOG RINGS.
- 8. 95% COMPACTED SUBGRADE.
- 9. 3" CORNER / END POST (SS40). 10. 2 3/8" LINE POST (SS40).
- 11. 1 5/8" OUTSIDE DIAMETER MIDDLE RAIL (SS40). 12. 3/8" COMPRESSION BRACE.

#### GENERAL NOTES

A. SEE PLAN FOR WINDSCREEN LOCATION.

8' HT. CHAINLINK FENCING



# 

- 1. 1 7/8" OUTSIDE DIAMETER GATE FRAME (SS40).
- 2. 3/16" 5/8" X 40 STRETCH BAR.
- 3. POST TOP CAP. 4. TENSION BANDS - 15" O.C. MAX.
- 5. 9 GAUGE X 1-3/4" MESH FABRIC -
- KNUCKLE & KNUCKLE BOTH SIDES.

6. 3000 PSI CONCRETE FOOTING.

- GENERAL NOTES
- A. PROVIDE FULCRUM LATCH AND DROP BAR. LOCK TO BE PROVIDED BY OWNER.

7. COMPACTED SUBGRADE.

POST (SS40).

RAIL (SS40).

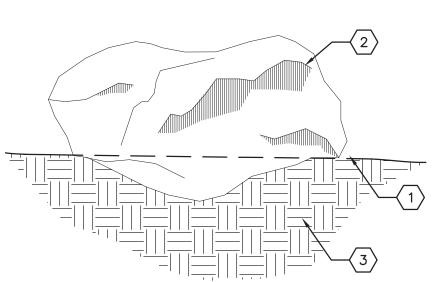
10. HINGE.

11. LATCH.

8. 3" OUTSIDE DIAMETER TERMINAL/END

9. 1 5/8" OUTSIDE DIAMETER MIDDLE

CHAINLINK SWING GATE



# 

SCALE: N.T.S.

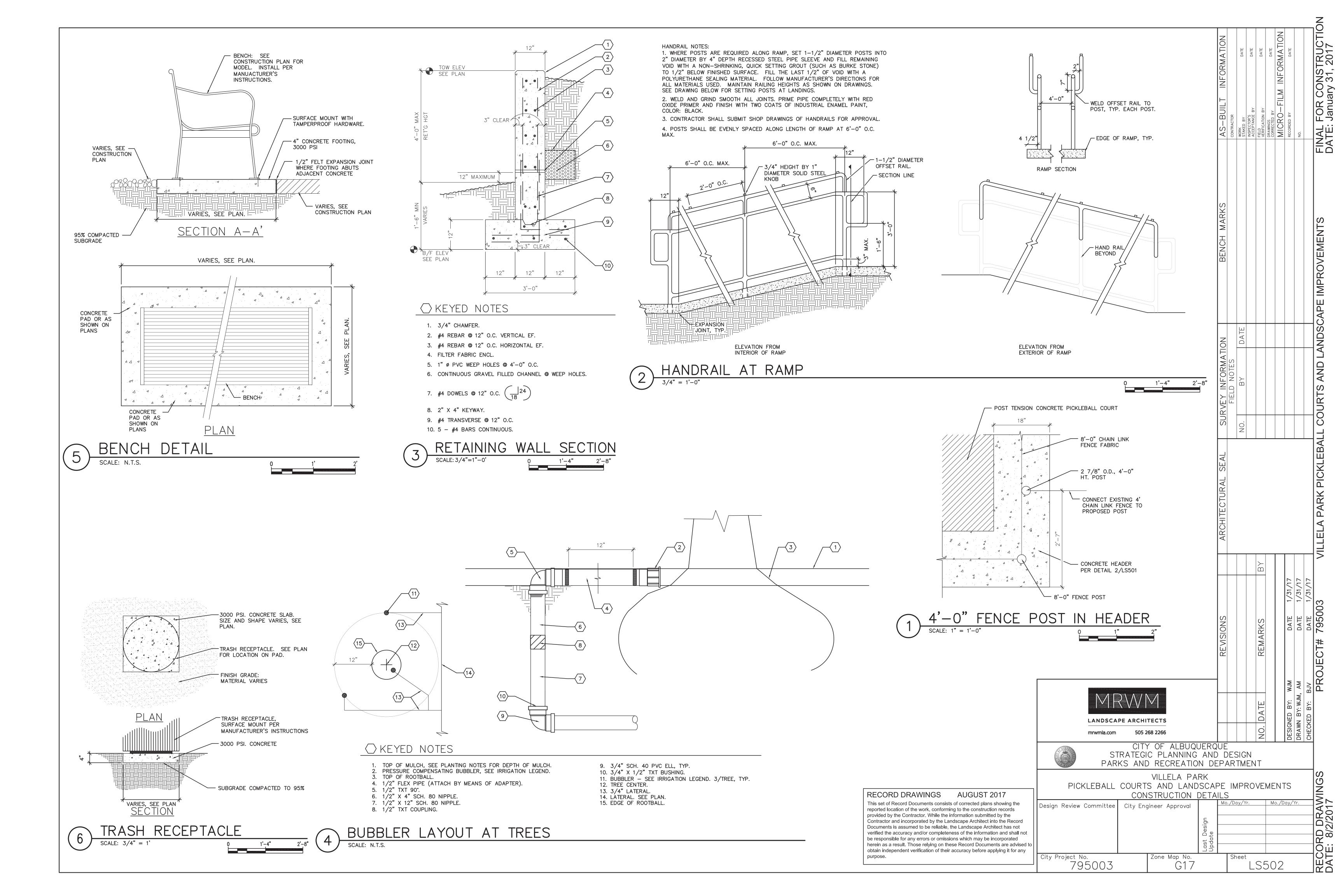
- FINISH GRADE (MATERIAL VARIES) BOULDER SHALL BE BURIED TO MIN 8" DEPTH BELOW FINISH GRADE. 2. BOULDERS SHALL BE 12 TO 18 CU. FT. MOSSROCK, OR APPROVED EQUAL. 3. SUBGRADE COMPACTED TO 95%.
- ACCENT BOULDER

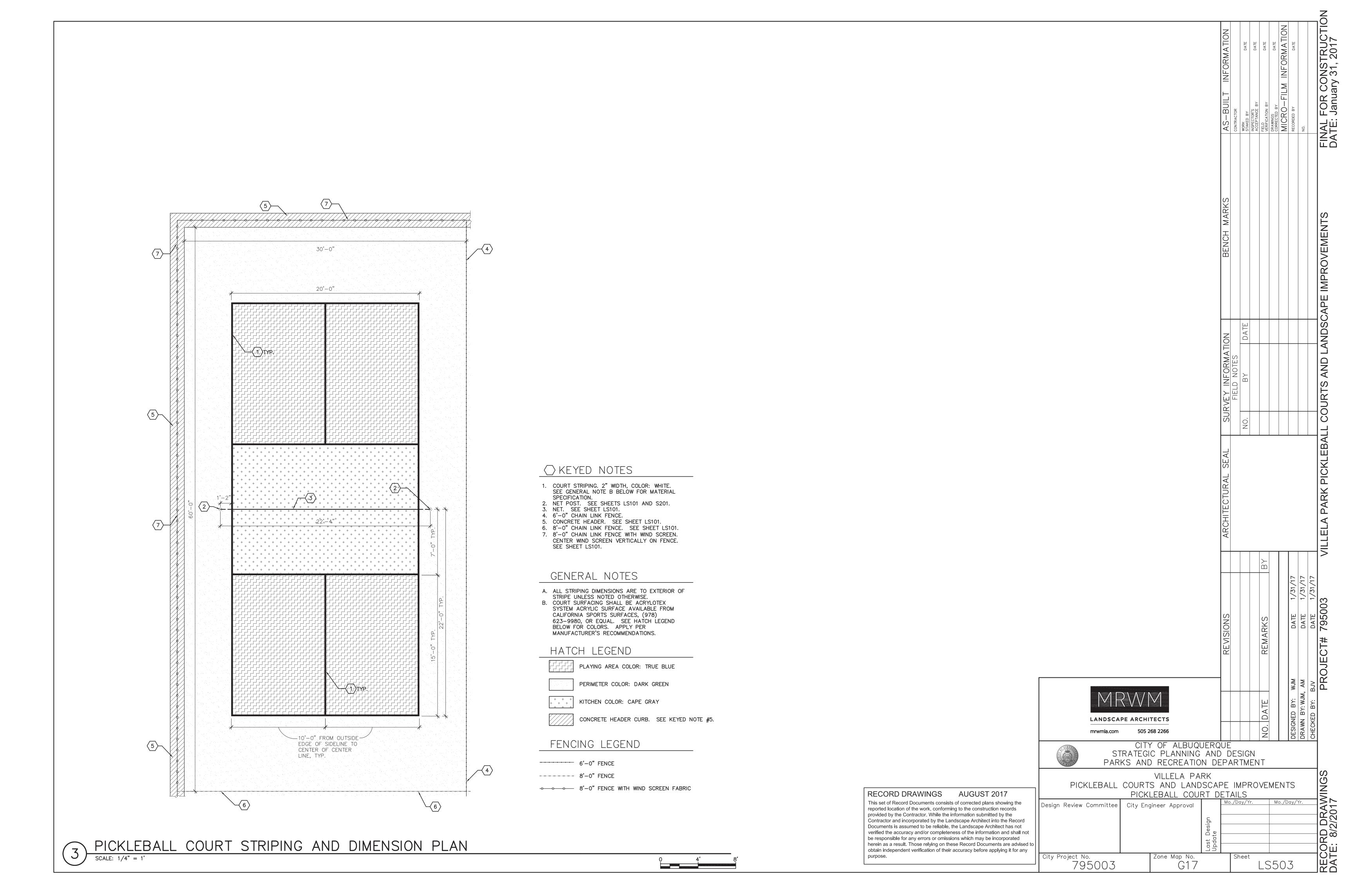
	PE ARCHITECTS		DATE	┤ <b>│                                   </b>	:
	CITY OF ALBU	Ġ AND I	DESIGN	DES	_
	VILLELA P COURTS AND LAN CONSTRUCTION	ARK IDSCAPE	IMPROVE	MENTS	DRAWINGS
esign Review Committee	City Engineer Approval	Last Design Update	o./Day/Yr.	Mo./Day/Yr.	RECORD DRAW
ity Project No. 795003	Zone Map No.	7	Sheet   S.	501	

AUGUST 2017

This set of Record Documents consists of corrected plans showing the reported location of the work, conforming to the construction records provided by the Contractor. While the information submitted by the Contractor and incorporated by the Landscape Architect into the Record Documents is assumed to be reliable, the Landscape Architect has not verified the accuracy and/or completeness of the information and shall not be responsible for any errors or omissions which may be incorporated herein as a result. Those relying on these Record Documents are advised to obtain independent verification of their accuracy before applying it for any

RECORD DRAWINGS





#### STRUCTURAL NOTES

#### GENERAL

- 1. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHOD OR SEQUENCE OF CONSTRUCTION.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK THAT CONFORMS WITH THE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) SAFETY AND HEALTH STANDARDS FOR THE CONSTRUCTION INDUSTRY
- WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDUM
- 4. ESTABLISH AND VERIFY ALL OPENINGS, INSERTS, OR EQUIPMENT FOR LANDSCAPE ARCHITECTURAL MECHANICAL ELECTRICAL AND PLUMBING WITH APPROPRIATE TRADE. IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO COORDINATE WITH THE SUBCONTRACTORS AND EQUIPMENT SUPPLIERS. DO NOT PENETRATE ANY STRUCTURAL ELEMENTS (SLABS, FOOTINGS, ETC.) WITHOUT PRIOR WRITTEN
- APPROVAL OF THE ENGINEER OF RECORD THROUGH THE LANDSCAPE ARCHITECT. 5. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND COORDINATE SITE CONDITIONS WITH THE DRAWINGS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES AND OMISSIONS SHALL BE RESOLVED WITH THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION AND PRIOR TO PROCEEDING. DO NOT USE
- 6. WHERE ANY DISCREPANCIES OCCUR BETWEEN PLANS, DETAILS, STRUCTURAL NOTES AND SPECIFICATIONS, THE GREATER REQUIREMENTS SHALL GOVERN.
- 7. TYPICAL DETAILS MAY OR MAY NOT BE CUT ON THE DRAWINGS. AND DETAILS MAY OR MAY NOT BE CUT AT ALL SPECIFIC LOCATIONS, BUT SHALL APPLY UNLESS NOTED OTHERWISE.
- 8. APPROVED EQUAL OPTIONS ARE FOR THE CONTRACTOR'S CONVENIENCE AND ARE SUBJECT TO APPROVAL BY THE ARCHITECT. IF AN OPTION IS CHOSEN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CHANGES AND COSTS NECESSARY AND FOR COORDINATION OF ALL DETAILS AS REQUIRED TO INCORPORATE THE OPTION INTO THE WORK.
- 9. ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE

#### CODE AND DESIGN LOADS

1. ALL CONSTRUCTION SHALL CONFORM TO THE 2009 EDITION OF THE INTERNATIONAL BUILDING CODE.

## **FOUNDATIONS**

- 1. FOUNDATION DESIGN BASED ON CODE ALLOWABLE BEARING PRESSURE IN THE ABSENCE OF A SOILS REPORT. THE ALLOWABLE BEARING PRESSURE FOR SHALLOW SPREAD FOOTINGS IS EQUAL TO 1,500 PSF AT 1'-0" BELOW LOWEST ADJACENT GRADE
- 2. ALL CONSTRUCTION SHALL COMPLY WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR ANY
- GEOTECHNICAL ASPECTS OF THIS PROJECT. 3. ABANDONED FOOTINGS, NEW OR EXISTING UTILITIES, ETC., THAT INTERFERE WITH NEW CONSTRUCTION SHALL BE REROUTED OR REMOVED AS COORDINATED WITH
- THE LANDSCAPE ARCHITECT. 4. ALL EXTERIOR FINISHED GRADES SHALL SLOPE AWAY FROM THE COURTS TO ENSURE NO PONDING OF WATER OCCURS AROUND COURTS.

#### REINFORCING STEEL

- 1. ALL REINFORCING STEEL SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH THE LATEST EDITIONS OF ACI 318 AND THE CRSI "MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE CONSTRUCTION", AND AS MODIFIED BY THE DRAWINGS. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
- 2. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60 (Fy = 60 KSI) DEFORMED BARS FOR ALL BARS #5 AND LARGER. ASTM A615, GRADE 40 (Fy = 40 KSI) DEFORMED BARS FOR ALL BARS #4 AND SMALLER. REINFORCING TO BE WELDED SHALL CONFORM TO ASTM A706, GRADE 60 (Fy = 60 KSI) LOW ALLOY DEFORMED BARS. WELDING OF REINFORCING SHALL BE ACCORDING TO AWS DL4. NO TACK
- WELDING OF REINFORCING BARS ALLOWED 3. ALL REINFORCING STEEL SHALL BE ACCURATELY PLACED AND SUPPORTED BY GAL VANIZED METAL OR PLASTIC CHAIRS, SPACERS OR HANGERS. PROVIDE THE FOLLOWING MINIMUM CLEAR CONCRETE COVERAGE:
  - CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3" EXPOSED TO EARTH OR WEATHER:
  - #6 AND LARGER 2" #5 AND SMALLER - 1 1/2"
  - ALL OTHERS PER LATEST EDITION OF ACI 318
- 4. LAP SPLICES IN CONCRETE SHALL BE 48 BAR DIAMETERS (2'-0" MINIMUM). STAGGER ALTERNATE SPLICES A MINIMUM OF ONE LAP LENGTH. ALL SPLICE LOCATIONS SUBJECT TO APPROVAL AND SHALL BE MADE ONLY WHERE INDICATED ON THE DRAWINGS. EXTEND ALL HORIZONTAL REINFORCING CONTINUOUS AROUND CORNERS AND INTERSECTIONS OR PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH HORIZONTAL BARS AT CORNERS AND INTERSECTIONS OF FOOTINGS AND
- 5. REINFORCING BAR SPACING GIVEN ARE MAXIMUM ON CENTERS. DOWEL ALL VERTICAL REINFORCING TO FOUNDATION. SKEW HOOKS AS REQUIRED FOR CONCRETE COVER. SECURELY TIE ALL BARS IN POSITION BEFORE PLACING CONCRETE. CONCRETE COLUMN DOWEL EMBEDMENT SHALL BE A STANDARD COMPRESSION DOWEL EMBEDMENT LENGTH PER THE LATEST EDITION OF ACI 318.
- 6. SPLICED BARS SHALL BE PLACED AT THE SAME EFFECTIVE DEPTH UNLESS NOTED OTHERWISE. REINFORCING BARS NOTED "CONTINUOUS" OR WITH LENGTH NOT SHOWN SHALL BE FULLY CONTINUOUS AND SPLICED ONLY AS SHOWN, OR WHERE
- APPROVED BY THE ENGINEER. 7. REINFORCING BAR HOOKS SHALL BE STANDARD ACI HOOKS UNLESS NOTED OTHERWISE

#### CAST-IN-PLACE CONCRETE

- 1. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" AND ACI 318,
- "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" 2. ADDITION OF WATER TO THE BATCH FOR MATERIAL WITH INSUFFICIENT SLUMP WILL NOT BE PERMITTED, UNLESS THE SUPPLIER HAS SPECIFICALLY WITHHELD WATER FROM THE BATCH AT THE PLANT. IN SUCH CASE THE MIX DESIGN AND TRUCK TICKET MUST CLEARLY STATE THE MAXIMUM AMOUNT OF WATER THAT CAN BE ADDED TO THE BATCH ON SITE. IN NO CASE SHALL THE DESIGN WATER TO
- CEMENTITIOUS MATERIAL RATIO BE EXCEEDED. CONCRETE SHALL BE READY MIXED CONCRETE IN ACCORDANCE WITH ASTM C94. MINIMUM 28 DAY COMPRESSIVE STRENGTH CONCRETE USE POST-TENSIONED SLABS ON GRADE -3,000 PSI (DESIGNED FOR 2500 PSI)
- 4. CEMENT SHALL CONFORM TO ASTM C150, TYPE II. AGGREGATE PER ASTM C33. LIGHTWEIGHT AGGREGATE PER ASTM C330. MAXIMUM 5" SLUMP FOR ALL CONCRETE CONCRETE CONTAINING SUPERPLASTICIZING ADMIXTURE SHALL HAVE 8" MAXIMUM SLUMP AT PLACEMENT. MIX DESIGNS SHALL BE DESIGNED BY THE CONCRETE PRODUCTION FACILITY IN ACCORDANCE WITH ACI 301 AND APPROVED BY THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION.
- 5. CONCRETE SHALL BE FREE OF CHLORIDE. WHEN USED, FLY ASH SHALL CONFORM TO ASTM C618, CLASS F. FLY ASH SHALL NOT REPLACE MORE THAN 20% OF CEMENT BY
- 6. CONCRETE SHALL NOT BE DROPPED MORE THAN FIVE FEET VERTICALLY WITHOUT USE OF TREMIES
- 7. CONCRETE FOOTINGS AND SLABS/PADS MAY BE POURED AGAINST NEAT EXCAVATIONS PROVIDED THAT FOOTING DIMENSION ARE ADHEREED TO, AND THE REQUIRED CONCRETE COVERAGE FOR REINFORCING IS MAINTAINED
- 8. PROVIDE SLEEVES FOR UTILITY OPENINGS IN CONCRETE BEFORE PLACING CONCRETE. DO NOT CUT ANY CONFLICTING REINFORCING.
- 9. PROVIDE 3/4" CHAMFER ON ALL EXPOSED EDGES OF SLABS, U.N.O. 10. MECHANICALLY VIBRATE ALL CONCRETE WHEN PLACED, EXCEPT SLABS ON
- GRADE, 4" INCHES OR LESS IN THICKNESS, NEED BE VIBRATED ONLY AT AREA OF REINFORCEMENT, EMBEDDED ITEMS, THICKENED AREA, AND ADJACENT TO
- CONCRETE WHICH HAS CONTAINED WATER FOR MORE THAN 90 MINUTES (60 MINUTES IF AIR TEMPERATURE EXCEEDS 85DEGREES) SHALL NOT BE USED. RETEMPERING OF CONCRETE AFTER INITIAL SET HAS OCCURRED IS NOT PERMITTED
- 12. CURE EXPOSED CONCRETE FOR A MINIMUM OF 7 DAYS IN ACCORDANCE WITH ACI 301 PROCEDURES IN ORDER TO PREVENT CRACKING, CURE WITH CURING AND SEALING COMPOUND, MOIST CURING, MOISTURE-RETAINING COVER CURING, OR COMBINATIONS THEREOF. IF CURING COMPOUND IS USED, APPLY AT A RATE SPECIFIED BY THE MANUFACTURER.
- 13. CONCRETE COMPRESSIVE STRENGTH AND SLUMP SHALL BE TESTED PER ASTM C3 C39 AND C143. PROVIDE 3 CYLINDERS PER TEST FOR EACH DAY'S CONCRETE PLACEMENT OR AS DIRECTED BY THE ENGINEER. TEST ONE CYLINDER AT 7 DAYS AND TWO AT 28 DAYS. TESTING SHALL BE DONE BY A QUALIFIED TESTING
- 14. ALL HOT WEATHER CONCRETING SHALL MEET THE REQUIREMENTS OF ACI 305; AND ACI 306 FOR COLD WEATHER CONCRETING
- 15. THE ENGINEER OF RECORD IS NOT AN EXPERT IN THE FIELD OF CONCRETE MOISTURE AND IS NOT RESPONSIBLE FOR ANY ISSUES THAT MAY OCCUR/ARISE FROM BELOW SLAB MOISTURE THAT MAY ENTER THE SLAB. IT IS THE CONTRACTOR'S/OWNER'S RESPONSIBILITY TO HIRE A GEOTECHNICAL ENGINEER TO ADVISE ON THE POSSIBLE USE OF A VAPOR BARRIER; CONCRETE ADMIXTURE; ETC.

#### POST-TENSIONED CONCRETE REINFORCEMENT (ON GRADE)

- 1. PRESTRESSING STRANDS SHALL BE LOW-RELAXATION STRAND, 1/2" DIAMETER (CROSS-SECTIONAL AREA = 0.153 SOUARE INCHES), 7-WIRE STRANDS CONFORMING TO ASTM A416, GRADE 270. THE STRANDS SHALL HAVE A GUARANTEED MINIMUM ULTIMATE STRENGTH OF 270,000 PSI. A WRITTEN GUARANTEE SHALL BE SUBMITTED TO THE ENGINEER OF RECORD BY THE MANUFACTURER. MODULUS OF ELASTICITY = 28.000.000 PSI
- 2. PRESTRESSING STRANDS SHALL BE CLEAN AND FREE OF CORROSION, STRANDS SHALL BE WRAPPED WITH 25 MIL MINIMUM EXTRUDED POLYETHYLENE SHEATHING. ANY DAMAGE TO THE SHEATHING PRIOR TO OR DURING INSTALLATION MUST BE REPAIRED TO THE SATISFACTION OF THE ENGINEER PRIOR TO PLACING OF ANY
- 3. PRESTRESSING STRAND SHALL BE AS FOLLOWS: 1/2" DIAMETER 7-WIRE STRANDS:
- MAXIMUM ANCHORING FORCE = 28.9 KIPS/STRAND (.7 Fpu = 189 KSI STRESS). MAXIMUM TEMPORARY FORCE AT JACKING - 33.0 KIPS/STRAND (.8 Fpu = 216 KSI
- MAXIMUM ELONGATION = 0.081 INCHES/LINEAR FOOT OF STRAND. - CONCRETE COMPRESSION STRENGTH AT TIME OF TRANSFER OF PRESTRESS FORCE TO CONCRETE SHALL BE AT LEAST 1,800 PSI.
- 4. POST TENSION STRAND ANCHORAGES SHALL BE ICC RATED PER ICC REPORT # ESR-2381 AND SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION. ONE SAMPLE OF THE PRESTRESSING STRANDS FROM EACH REEL OF HEAT SHALL BE TESTED BY AN APPROVED LABORATORY. TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.
- 5. AN ACCURATE RECORD OF ALL JACKING FORCES AND ELONGATIONS SHALL BE MAINTAINED AND RECORDED BY THE CONTRACTOR ON APPROVED FORMS. RECORDINGS SHALL NOT VARY MORE THAN 7% FROM THE REQUIRED VALUES.
- 6. ALL POCKETS REQUIRED FOR ANCHORAGES SHALL BE ADEQUATELY REINFORCED SO AS NOT TO DECREASE THE STRENGTH OF THE STRUCTURE AND WATERPROOFED PER PTI RECOMMENDATIONS SO AS TO ELIMINATE WATER LEAKAGE THROUGH THE POCKET. STRANDS SHALL BE DRAPED TO APPROXIMATELY A PARABOLIC PROFILE BETWEEN SUPPORTS, EXCEPT AS NOTED, AND SHALL CONFORM TO THE CONTROL POINTS SHOWN IN THE PROFILE. DIMENSIONS INDICATE THE CENTER OF GRAVITY OF THE STRAND MEASURED FROM THE BOTTOM OF THE BEAM OR SLAB. LOW POINTS ARE AT MIDSPAN UNLESS NOTED OTHERWISE. STRANDS SHALL BE SECURELY SUPPORTED TO PREVENT DISPLACEMENT DURING SUBSEQUENT OPERATIONS. BARS AND CHAIRS SHALL BE PROVIDED AS REQUIRED TO MAINTAIN THE STRANDS IN THEIR TRUE POSITION. THE VERTICAL AND HORIZONTAL DEVIATIONS OF ALL
- STRANDS SHALL CONFORM TO THE LATEST ACI CODE. 7. SLIGHT DEVIATIONS IN SPACING OF THE SLAB STRANDS WILL BE PERMITTED WITH THE APPROVAL OF THE ENGINEER WHERE REQUIRED TO AVOID OPENINGS, INSERTS AND DOWELS WHICH ARE SPECIFICALLY LOCATED. WHERE LOCATIONS OF STRANDS SEEM TO INTERFERE WITH EACH OTHER, ONE (1) STRAND MAY BE MOVED HORIZONTALLY IN ORDER TO AVOID THIS INTERFERENCE. WHERE STRANDS ARE THREADED THROUGH CAGES OF REINFORCING STEEL, CARE SHALL BE TAKEN TO ENSURE THE THE STRAND PASSES THROUGH FREELY AND BINDING DOES NOT OCCUR DURING THE STRESSING OPERATION. THE MINIMUM RADIUS OF CURVATURE FOR THE STRANDS SHALL BE 10 FEET OR 10 TIMES THE DEPTH OF THE CONCRETE SECTION, WHICHEVER IS LARGER.
- 8. TWO (2) #3 CONTINUOUS BARS SHALL BE PLACED BEHIND ALL ANCHORAGES FOR PRESTRESSING STRANDS IN SLABS.
- 9. SHOP DRAWINGS SHALL CONTAIN THE FOLLOWING INFORMATION: - CENTERLINE OF PRE-STRESSING FORCE WITH OFFSETS SHOWN AT MAXIMUM 3'-0"
- DIMENSIONAL TOLERANCES FOR LOCATING PRESTRESSING STRANDS. - STRAND LAYOUT AND DIMENSIONS LOCATING STRANDS IN HORIZONTAL PLANE. - STRAND PROFILE SHOWING CHAIRS, CHAIR HEIGHTS, LOCATION OF TYING STEEL AND OTHER INFORMATION REGARDING METHOD OF TENSIONING STRAND. - JACKING FORCES AT ANCHORAGE, TEMPORARY JACKING FORCES, REQUIRED ELONGATIONS, SCHEDULE AND SEQUENCE OF TENSIONING STRAND. - A SCHEDULE AND SEQUENCE OF TENSIONING STRAND SHALL BE ESTABLISHED AND SHOWN ON THE SHOP DRAWINGS.

#### POST INSTALLED ANCHORING COMPONENTS "EPOXY AND MECHANICAL **ANCHORS'**

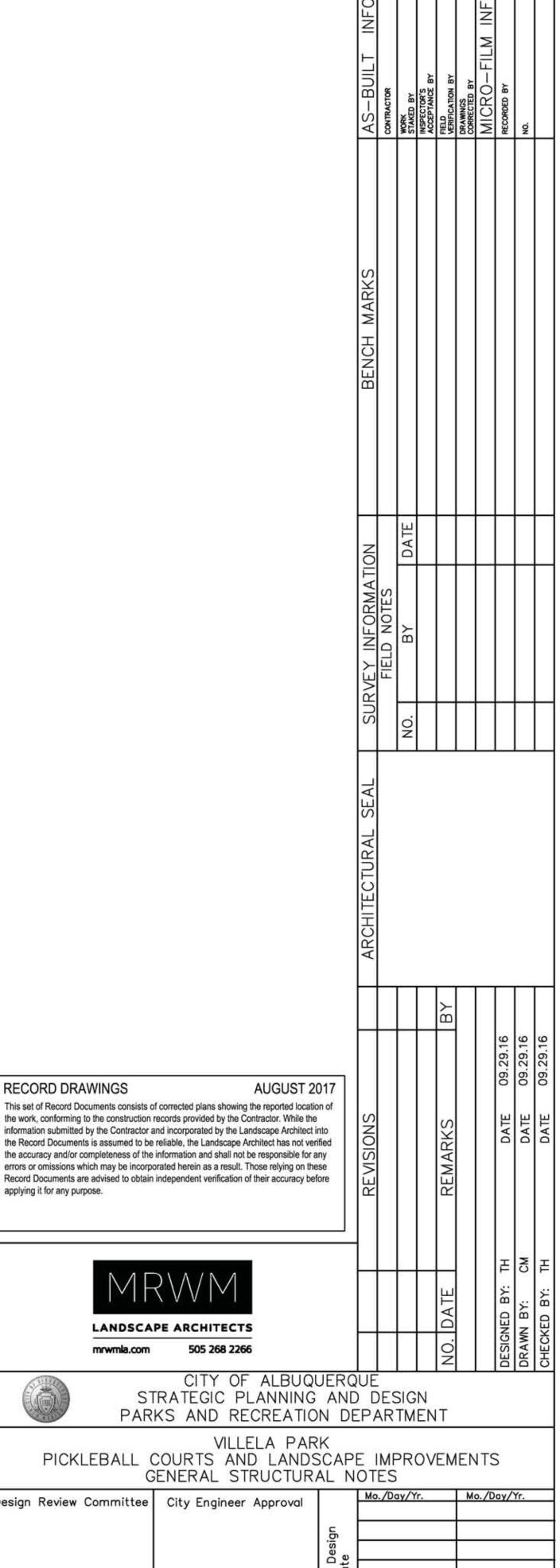
- 1. EPOXY USED IN CONCRETE OR CONCRETE MASONRY SHALL BE ONE OF THE FOLLOWING:
- 1) SIMPSON "SET-XP" EPOXY INSTALLED PER ICC REPORT # ESR-2508. 2) HILTI "HIT RE 500" ADHESIVE INSTALLED PER ICC REPORT # ESR-1682.
- 2. EXPANSION ANCHORS USED IN CONCRETE OR CONCRETE MASONRY SHALL BE KWIK BOLT TZ BY HILTI INSTALLED IN ACCORDANCE WITH ICC REPORT # ESR-1917; POWER BOLT FASTENERS BY POWERS FASTENERS INSTALLED IN ACCORDANCE WITH ICC REPORT # ESR-2502 OR POWER STUD BY POWERS FASTENERS INSTALLED IN ACCORDANCE WITH ICC REPORT # ESR-2818.
- 3. CONTRACTOR MAY SUBSTITUTE EXPANSION BOLTS OR EPOXY OF EQUAL VALUE IN THE SPECIFIED MATERIAL WITH A CURRENT ICC REPORT WHEN APPROVED IN WRITING BY THE ENGINEER
- 4. USE OF EXPANSION ANCHORS OR EPOXY TYPE ADHESIVE SHALL BE ONLY WHERE SPECIFICALLY DETAILED OR NOTED, OR WHEN DIRECTED IN WRITING BY THE

#### SHOP DRAWINGS, SUBMITTALS AND **DEFERRED SUBMITTALS:**

- 1. SUBMITTALS AND SHOP DRAWINGS SHALL BE SUBMITTED FOR THE FOLLOWING STRUCTURAL ITEMS IN ADDITION TO ANY SUBMITTALS REQUIRED BY THE SPECIFICATIONS AND DEFERRED SUBMITTALS (LISTED BELOW). 1) CONCRETE MIX DESIGN
  - 2) CONCRETE PRODUCT DATA AND MATERIAL TEST REPORTS 3) POST TENSIONED TENDONS (DRAWINGS AND PRODUCT
- CONSTRUCTION DOCUMENTS SHALL NOT BE REPRODUCED FOR USE AS SHOP DRAWINGS. THE CONTRACTOR SHALL NOT VARY FROM THE APPROVED MIX
- DESIGNS WITHOUT APPROVAL FROM THE ENGINEER OF RECORD 2. THE GENERAL CONTRACTOR SHALL REVIEW AND STAMP ALL SHOP DRAWINGS AND PRODUCT DATA FOR CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS PRIOR TO SUBMITTAL. ANY SHOP DRAWINGS OR PRODUCT DATE NOT REVIEWED AND STAMPED BY THE GENERAL CONTRACTOR WILL BE RETURNED WITHOUT REVIEW. THE CONTRACTOR SHALL CLOUD OR FLAG ALL ITEMS NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. VERIFY ALL DIMENSIONS WITH
- 3. ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM THE ORIGINAL CONTRACT DRAWINGS SHALL BE CLOUDED BY THE MANUFACTURER OR FABRICATOR, ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS WHICH ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES, SHALL NOT BE CONSIDERED ALLOWED AFTER THE ENGINEER'S REVIEW, UNLESS NOTED ACCORDINGLY BY THE ENGINEER OF
- 4. THE ENGINEER OF RECORD RESERVES THE RIGHT TO ALLOW OR NOT ALLOW ANY CHANGES TO THE ORIGINAL CONTRACT DRAWINGS AT ANY TIME BEFORE OR AFTER SHOP DRAWING REVIEW.
- 5. THE SHOP DRAWINGS DO NOT REPLACE THE ORIGINAL CONTRACT DRAWINGS ITEMS OMITTED OR SHOWN INCORRECTLY AND WHICH ARE NOT NOTED AS ALLOWED BY THE ENGINEER OF RECORD OR ARCHITECT ARE NOT TO BE CONSIDERED CHANGES TO THE ORIGINAL CONTRACT DRAWINGS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ITEMS OMITTED OR SHOWN INCORRECTLY ARE CONSTRUCTED IN ACCORDANCE WITH THE ORIGINAL
- 6. ALL ENGINEERING DESIGNS AND LAYOUTS PERFORMED BY OTHERS SHALL BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED
- 7. REVIEWING IS INTENDED ONLY AS AN AID TO THE CONTRACTOR IN OBTAINING CORRECT SHOP DRAWINGS. RESPONSIBILITY FOR CORRECTNESS AND COMPLETENESS SHALL REST WITH THE CONTRACTOR.
- 8. SHOP DRAWINGS WILL BE RETURNED FOR RESUBMITTAL IF MAJOR ERRORS ARE FOUND DURING REVIEW.
- NO MORE THAN TWO SETS OF BLUELINE PRINTS AND ONE SET OF REPRODUCIBLES WILL BE REVIEWED FOR ANY INDIVIDUAL SUBMITTAL.
- 10. ALLOW A MINIMUM OF FIVE WORKING DAYS FOR REVIEW OF SHOP DRAWINGS BY THE ENGINEER OF RECORD.

## SPECIAL INSPECTIONS:

- 1. SPECIAL INSPECTIONS SHALL BE PERFORMED BY A QUALIFIED INSPECTOR AS
- APPROVED BY THE BUILDING OFFICIAL 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A MINIMUM OF 24 HOURS NOTICE TO THE SPECIAL INSPECTOR AND THE TESTING LABORATORY PRIOR TO BEGINNING ANY WORK FOR WHICH SPECIAL INSPECTION OR TESTING IS
- REQUIRED. 3. SPECIAL INSPECTION IS REQUIRED DURING THE FOLLOWING OPERATIONS PER IBC CHAPTER 17:
- A.WELDING: DURING ALL STRUCTURAL FIELD WELDING AND SHOP WELDING (INCLUDING WELDING OF REINFORCING STEEL), EXCEPT WELDING PERFORMED IN THE SHOP OF A BUILDING OFFICIAL/APPROVED FABRICATOR
- PERIODIC. B. POST TENSION SLAB: DURING PLACEMENT OF REINFORCING STEEL AND POST TENSION TENDONS IN CONCRETE AND DURING ALL STRESSING OF POST TENSION TENDONS - PERIODIC
- 4. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR: A.THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.
- B. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE ENGINEER OR LANDSCAPE ARCHITECT OF RECORD. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, THEN, IF UNCORRECTED, TO THE ENGINEER OR ARCHITECT OF RECORD AND THE BUILDING OFFICIAL.
- C. UPON COMPLETION OF THE ASSIGNED WORK, THE SPECIAL INSPECTOR SHALL COMPLETE AND SIGN A FINAL REPORT CERTIFYING THAT TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, THE WORK IS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE.





THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES | City Project No. UNTIL SEALED AND SIGNED BY ENGINEER OF RECORD, REUSE O REPRODUCTION WITHOUT WRITTEN PERMISSION IS PROHIBITED. (C)

VILLELA PARK PICKLEBALL COURTS AND LANDSCAPE IMPROVEMENTS GENERAL STRUCTURAL NOTES Design Review Committee | City Engineer Approval Zone Map No. Sheet S00

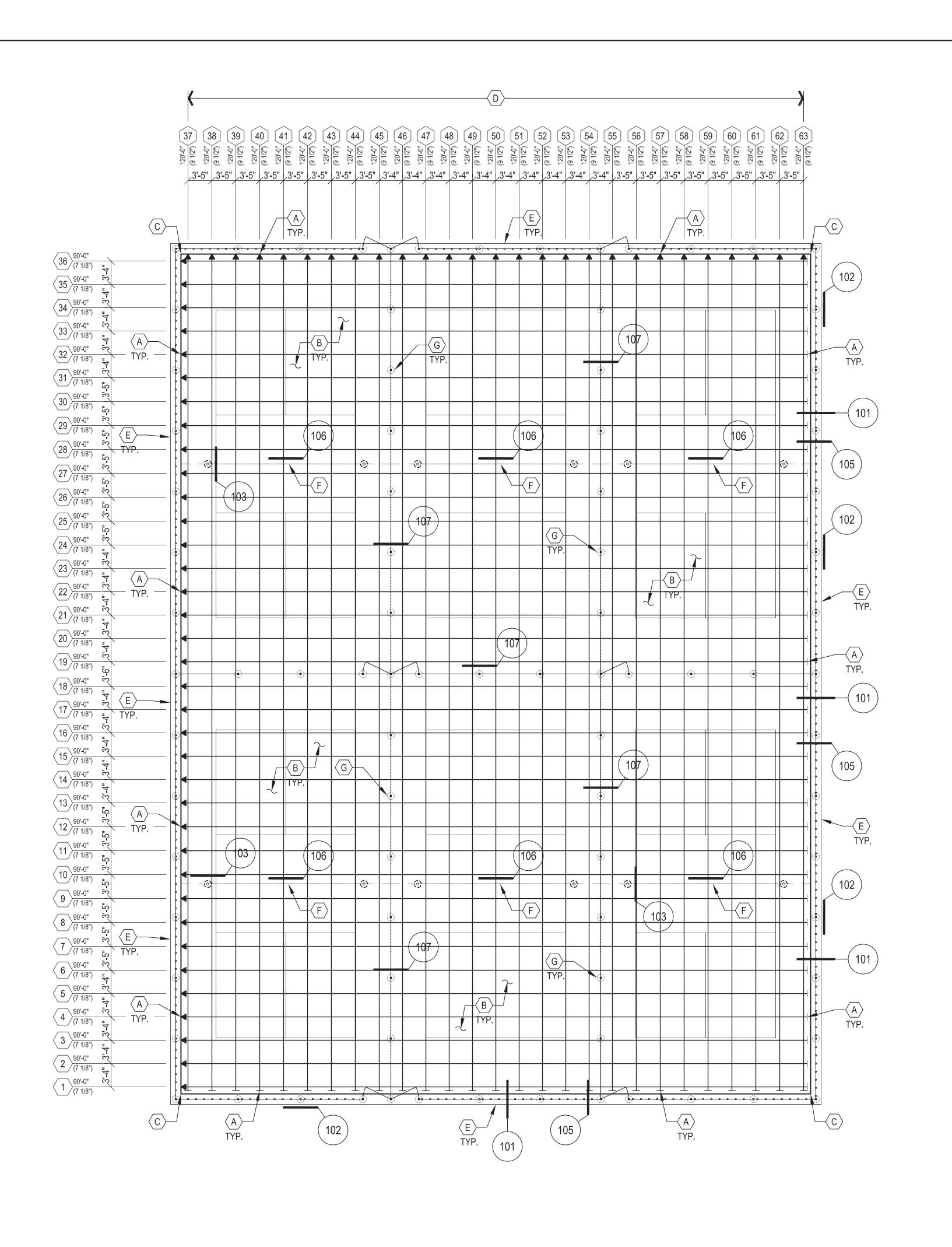
505 268 2266

LANDSCAPE ARCHITECTS

mrwmla.com

RECORD DRAWINGS

applying it for any purpose.



# **GENERAL NOTES** 1. SEE S001 FOR STRUCTURAL NOTES (MATERIALS, REQUIREMENTS, ETC.). 2. VERIFY ALL DIMENSIONS WITH LANDSCAPE ARCHITECT'S DRAWINGS PRIOR TO CONSTRUCTION. ALL DIMENSIONAL DISCREPANCIES SHALL BE COORDINATED WITH THE LANDSCAPE ARCHITECT. 3. TENDON LENGTH SHOWN ON PLAN IS FROM SLAB EDGE TO SLAB EDGE. CONTRACTOR MUST INCREASE LENGTH AS REQUIRED FOR INSTALLATION PURPOSES (TENSIONING, DRAPES FOR STEPS IN SLAB, BENDS FOR OPENING IN SLABS, ETC.). 4. REFER TO DETAIL 108 ON SHEET S201 FOR OPENINGS IN POST TENSIONED FOUNDATIONS. TENDON PLACEMENT PLAN NOTES POST-TENSIONING TENDONS - TYPICAL. - INDICATES FIXED END ANCHORAGE OF POST-TENSIONING TENDONS - TYPICAL. - LENGTH INDICATES: TENDON LENGTH SHOWN FROM SLAB EDGE TO SLAB EDGE. CONTRACTOR MUST INCREASE LENGTH AS REQUIRED FOR INSTALLATION PURPOSES (TENSIONING, DRAPES FOR STEPS IN SLAB, BENDS FOR OPENING IN SLABS, ETC.). - (ELONGATION) INDICATES: EXPECTED ELONGATION. (B) 5" CONCRETE SLAB WITH 1/2" Ø NON-BONDED POST TENSION TENDONS AT 42" O.C. (U.N.O.) EACH WAY (C) PROVIDE TENDON LAYOUT (12" FROM EDGE OF SLAB) AROUND FULL PERIMETER OF POST TENSIONED SLAB PER TYPICAL DETAIL. (D) CABLES WHICH EXCEED 100 FEET IN LENGTH SHALL BE TENSIONED FROM BOTH ENDS. (E) 18" WIDE BY 8" DEEP CONCRETE CURB WITH (2) #4 CONTINUOUS AROUND PERIMETER OF POST TENSIONED SLAB, TYPICAL. REFER TO DETAIL 2/LS501 FOR ADDITIONAL INFORMATION. F 1 1/4" DEEP TOOLED CONTROL JOINTS SHALL BE LOCATED IN LINE WITH THE DIVIDER FENCES BETWEEN COURTS AND DIRECTLY BELOW THE NET (CONTINUOUS FULL WIDTH OF SLAB) TO MINIMIZE AND CONTROL SHRINKAGE CRACKING. AT OWNER'S AND CONTRACTOR'S OPTION, CONTROL JOINTS MAY BE OMITTED WITH THE UNDERSTANDING THAT THE CONCRETE SLAB WILL CRACK AT RANDOM LOCATIONS DUE TO SHRINKAGE. CAULK ALL JOINTS PRIOR TO APPLYING SURFACING MATERIAL. G REFER TO LANDSCAPE ARCHITECTURAL PLANS FOR FENCE POST FOUNDATIONS. NOTE: JACKING AND FIXED END ANCHORAGE LOCATIONS MAY BE SWITCHED. WHERE SITE WORKING CONDITIONS DO NOT ALLOW ADEQUATE SPACE FOR JACKING. RECORD DRAWINGS This set of Record Documents consists of corrected plans showing the reported location of the work, conforming to the construction records provided by the Contractor. While the information submitted by the Contractor and incorporated by the Landscape Architect into the Record Documents is assumed to be reliable, the Landscape Architect has not verified the accuracy and/or completeness of the information and shall not be responsible for any errors or omissions which may be incorporated herein as a result. Those relying on these Record Documents are advised to obtain independent verification of their accuracy before applying it for any purpose. LANDSCAPE ARCHITECTS 505 268 2266 mrwmla.com CITY OF ALBUQUERQUE STRATEGIC PLANNING AND DESIGN PARKS AND RECREATION DEPARTMENT VILLELA PARK PICKLEBALL COURTS AND LANDSCAPE IMPROVEMENTS FOUNDATION PLAN

Design Review Committee | City Engineer Approval

Zone Map No.

City Project No. 795003

RECORD DRAWI DATE: 8/2/2017

S101

