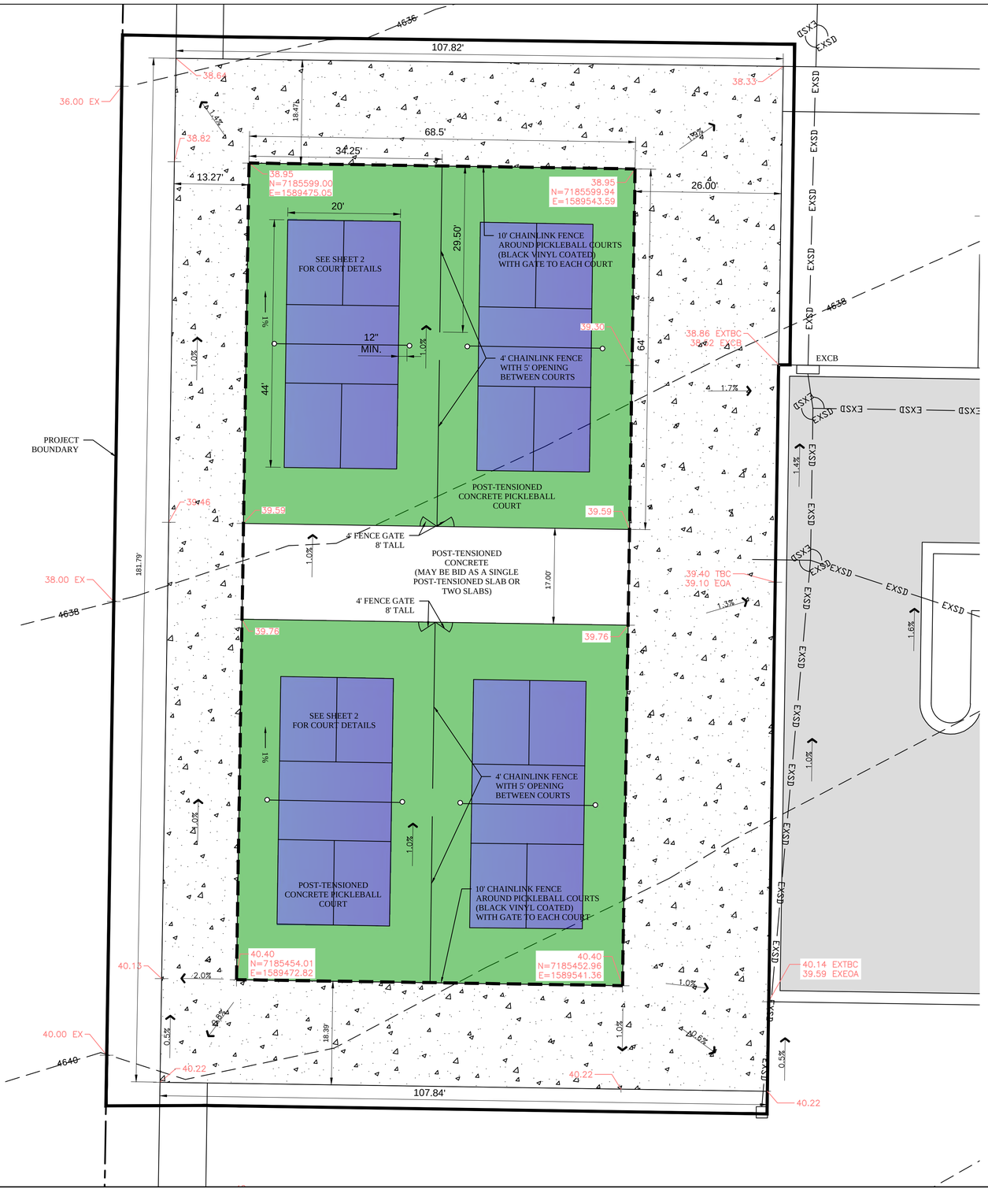


10' 0 10' 20'

Scale 1" = 10'

Scale 1" = 20' for 11x17

LEGEND

EXTBC	EXISTING TOP BACK CURB
EXCB	EXISTING CATCH BASIN
EXEOA	EXISTING EDGE OF PAVEMENT
EXSD	ADA RAMP WITH PANEL
	POST-TENSIONED CONCRETE AREA (9,940 SF) -MAY BE BID AS SEPARATE SLABS WITH NON POST-TENSIONED CONCRETE BETWEEN

TOPOGRAPHY NOTE:
THE EXISTING TOPOGRAPHY WAS SURVEYED PRIOR TO ANY SITE CONSTRUCTION. CONTRACTOR TO FIELD VERIFY EXISTING GRADE ELEVATION.

POST-TENSIONED CONCRETE NOTE:
THE POST-TENSIONED CONCRETE MAY BE BID AS A SINGLE POST-TENSIONED SLAB OR TWO SLABS.

THIS DOCUMENT IS RELEASED FOR REVIEW ONLY. IT IS NOT INTENDED FOR CONSTRUCTION UNLESS SIGNED AND SEALED.

CARL N. BERG L.A.
SERIAL NO. 7162790
DATE: 28 APR 2021

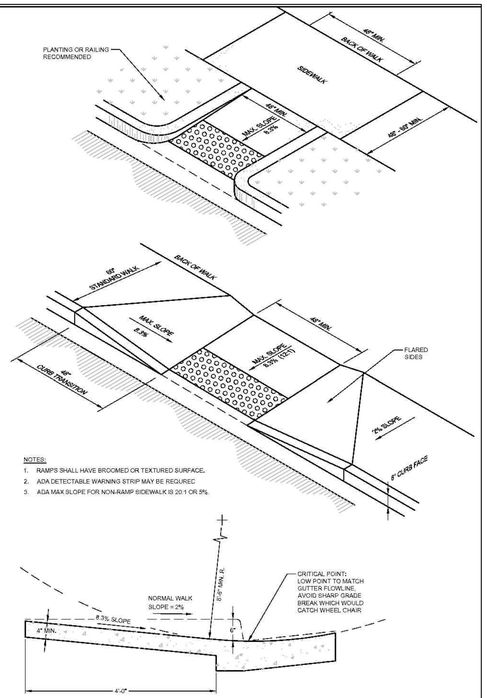
SALEM CITY

COLE PARK

PICKLEBALL COURTS SITE & GRADING PLAN

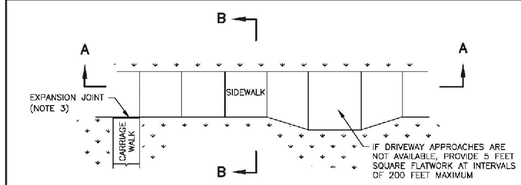
berg LANDSCAPE ARCHITECTS
380 E Main St, Suite 204
Midway, Ut 84049 ph. (801) 723-2000

DESIGN BY: CNB	DATE: 28 APR 2021	SHEET 01
DRAWN BY: CNB	REV:	

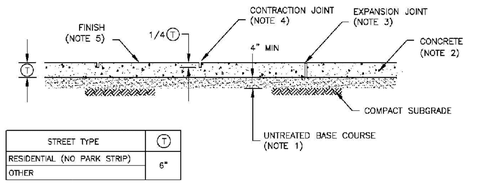


ADA RAMP DETAIL 2

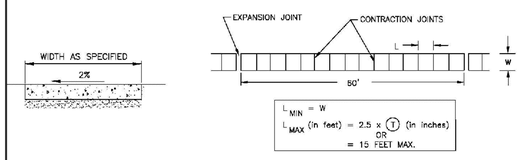
N.T.S.



PLAN



SECTION A–A



SECTION B–B

SIDEWALK JOINT DETAIL

Concrete sidewalk

December 2005

51

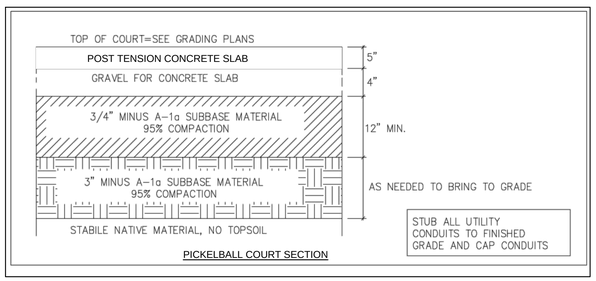
Plan No. **231**

GENERAL NOTES:

1. CONTRACTOR TO INSTALL A COMPLETE PICKLEBALL COURT INCLUDING, POST-TENSION CONCRETE, NET POSTS & APPURTENANCES, COURT SURFACE, STRIPING, FENCING, GATES, EARTHWORK, WATER FACILITIES, TEXTURE, AND SURROUNDING SIDEWALKS.
2. EARTHWORK SUPPORTING THE POST-TENSIONED CONCRETE COURTS SHALL BE IN ACCORDANCE WITH THE DRAWING DETAILS AND GEOTECHNICAL REPORT.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL CONSTRUCTION STAKING. OWNER RESERVES THE RIGHT TO SPOT CHECK CONSTRUCTION STAKING WORK PROVIDED BY CONTRACTOR.
4. FINISHED COURT SURFACE SHALL LIE IN A TRUE PLANE AT THE ELEVATIONS AND SLOPES GIVEN IN THE GRADING PLAN.
5. CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY IF GRADING ERRORS OR ISSUES ARE ENCOUNTERED DURING CONSTRUCTION AND SHALL COOPERATE WITH OWNER FOR ADJUSTMENT SOLUTIONS PRIOR TO CONTINUING WITH THE WORK.
6. CONTRACTOR SHALL INSTALL ALL CONDUIT, ON/OFF SWITCHES AND PEDESTALS, POWER OUTLETS, POLE BASES, POLES, HEADS, AT GRADE POWER BOXES AND PULL WIRE IN THE LIGHT POLES LEAVING A PIG TAIL IN THE BOX. CITY WILL PROVIDE ON/OFF SWITCHES AND PEDESTALS, POLES, HEADS, AND AT GRADE BOXES. CITY WILL INSPECT CONDUIT AND TRENCHING DURING CONSTRUCTION. CITY WILL PULL ALL WIRE IN GROUND CONDUIT.
7. CONTRACTOR SHALL INSTALL A DRINKING FOUNTAIN AND INDUSTRIAL HOSE SPIGOT IN A TRAFFIC RATED BOX. THE DRINKING FOUNTAIN WILL REQUIRE A WINTERIZING VALVE AND A PRESSURE REDUCER. CITY WILL PROVIDE DRINKING FOUNTAIN.

POST-TENSIONED CONCRETE NOTES:

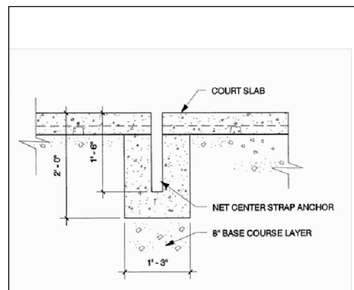
1. SAND LEVELING COURSE SHALL BE COMPACTED TO 95% MAXIMUM MODIFIED PROCTOR DENSITY.
2. POST-TENSIONING TENDONS SHALL BE $\frac{1}{2}$" DIAMETER GRADE 270 KSI SINGLE-STRANDED UNBONDED TENDONS WITH WEDGE TYPE ANCHORING SYSTEMS.
3. POST-TENSIONING TENDONS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-415 AND THE FINAL TENDON ASSEMBLY SHALL CONFORM TO THE POST-TENSIONING INSTITUTE'S (PTI) SPECIFICATION FOR UNBONDED SINGLE STRAND TENDONS.
4. TENDONS SHALL BE STRAIGHT, UNIFORMLY SPACED, AND INSTALLED PER MANUFACTURER RECOMMENDATIONS, BUT MAY BE MOVED HORIZONTALLY UP TO 12 INCHES TO AVOID OBSTRUCTIONS IN THE SLAB.
5. TENDONS SHALL BE PROPERLY SUPPORTED OR CHAIRED IN THE MIDDLE OF THE SLAB AND SHOULD BE SECURED TO MAINTAIN THEIR HORIZONTAL AND VERTICAL POSITIONS DURING PLACEMENT OF THE CONCRETE.
6. SLAB CONCRETE SHALL BE TYPE I WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,000 PSI. THE CONTRACTOR SHALL SUBMIT A CONCRETE MIX DESIGN, INCLUDING PROJECTED CURE RATE FROM 0 TO 28 DAYS, TO THE OWNER AT LEAST ONE WEEK PRIOR TO PLACING SLAB.
7. THE CONCRETE MIX DESIGN SHALL BE SELECTED TO MINIMIZE EARLY CURING AND SHRINKAGE CRACKING THAT MAY FORM PRIOR TO TENDON STRESSING.
8. THE CONTRACTOR SHALL PROVIDE MEANS TO ENSURE THAT CONCRETE IS NOT SPLATTERED ON FENCE POSTS, LIGHT POLES, GATE POSTS, CONDUITS, OR OTHER EXISTING FACILITIES DURING CONSTRUCTION OF SLAB.
9. POST-TENSIONED SLABS SHALL BE PLACED IN INDIVIDUAL, CONTINUOUS POURS (NO CONSTRUCTION JOINTS SHALL BE ALLOWED IN THE FIELD).
10. SLAB STRESSING SHALL OCCUR AT A CONCRETE STRENGTH OF 1,700 PSI OR GREATER. CONTRACTOR MAY CONSIDER TENSIONING UP TO 50% OF THE MAXIMUM ULTIMATE TENSILE STRENGTH 24 HOURS AFTER PLACEMENT OF CONCRETE.
11. TENDONS SHALL BE TEMPORARILY STRESSED TO 80% OF THEIR MINIMUM ULTIMATE TENSILE STRENGTH TO OVERCOME FRICTION AND TO ENABLE WEDGE SEATING.
12. CLOSURE STRIPS AND MOW STRIPS SHALL NOT BE PLACED UNTIL SHORTENING IN THE POST-TENSIONED SLABS HAS OCCURRED.
13. ALL CONSTRUCTION-PHASE HARDWARE WHICH MAY CAUSE RESTRAINT TO SHORTENING IN THE SLAB, INCLUDING PINS HOLDING SCREED CUPS, SHALL BE REMOVED FROM THE SLAB BEFORE SET OCCURS.
14. CONTRACTOR SHALL PLACE ASTM C171 POLYETHYLENE SHEETING (ULTRA CURE NCF BY UNIVERSAL FOREST PRODUCTS, INC. OR APPROVED EQUAL) OVER SLAB FOR MOISTURE LOSS AND REFLECTANCE CONTROL DURING SLAB CURE.



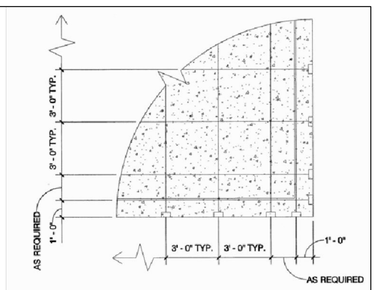
PICKELBALL COURT SECTION

Concrete sidewalk

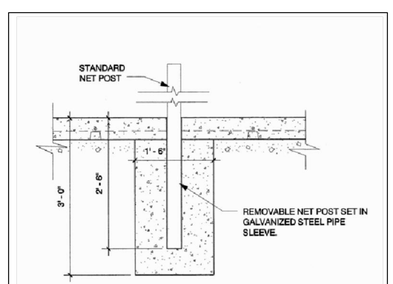
1. UNTREATED BASE COURSE: Provide material specified in APWA Section 32 11 23.
   A. Do not use gravel as a substitute for untreated base course without ENGINEER's permission.
   B. Place material per APWA Section 32 05 10.
   C. Compact per APWA Section 31 23 26 to a modified proctor density of 95 percent or greater. Maximum lift thickness before compaction is 8 inches when using riding compaction equipment or 6 inches when using hand held compaction equipment.
2. CONCRETE: Class 4000 per APWA Section 03 30 04.
   A. If necessary, provide concrete that achieves design strength in less than 7 days. Caution; concrete crazing (spider cracks) may develop if air temperature exceeds 90 degrees F.
   B. Place concrete per APWA Section 03 30 10.
   C. Provide 1/2 inch radius on concrete edges exposed to public view
   D. Cure concrete per APWA Section 03 39 00 with type ID Class A or B (clear with fugitive dye) membrane forming compound unless specified otherwise.
3. EXPANSION JOINT: Make expansion joints vertical, full depth, 1/2 inch wide with type F1 joint filler material per APWA Section 32 13 73.
   A. Set top of filler flush with surface of concrete.
   B. Expansion joints are not required in slip formwork except at the start or end of the installation activity.
4. CONTRACTION JOINT: Make contraction joints vertical.
   A. 1/8 inch wide and 1 inch deep or 1/4 slab thickness if slab is greater than 4 inches thick.
   B. Maximum length to width ratio for non-square panels is 1.5 to 1.
5. FINISH: Broomed.



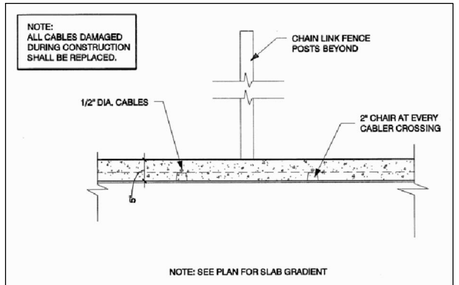
TYPICAL NET CENTER STRAP ANCHOR



TYPICAL CABLE LAYOUT



TYPICAL NET POST FOUNDATION



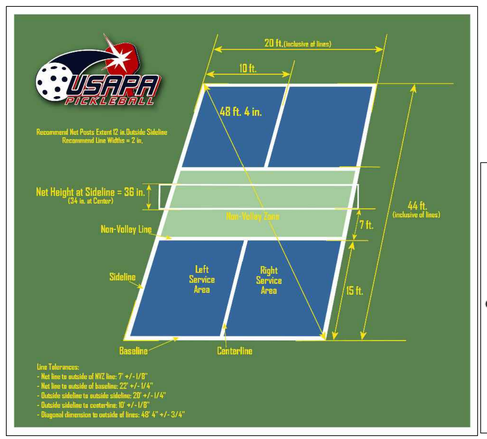
TYPICAL SLAB SECTION

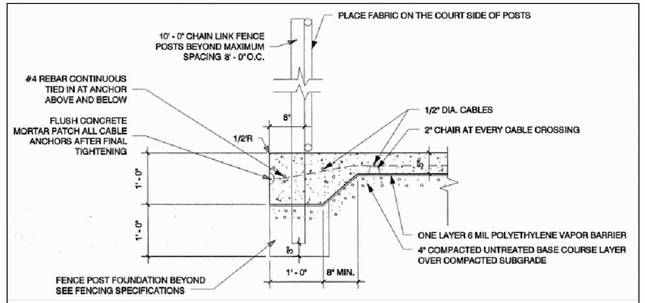
COURT SPECIFICATIONS

1. THE COURT SHALL BE A RECTANGLE 20 FEET WIDE (6.10 M) AND 44 FEET LONG (13.41 M) FOR BOTH SINGLES AND DOUBLES MATCHES.
2. COURT MEASUREMENTS SHALL BE MADE TO THE OUTSIDE OF THE LINES. THE LINES SHOULD BE 2 INCHES (5.1 CM) IN WIDTH AND THE SAME COLOR, CLEARLY CONTRASTING WITH THE COLOR OF THE COURT SURFACE.

NET SPECIFICATIONS

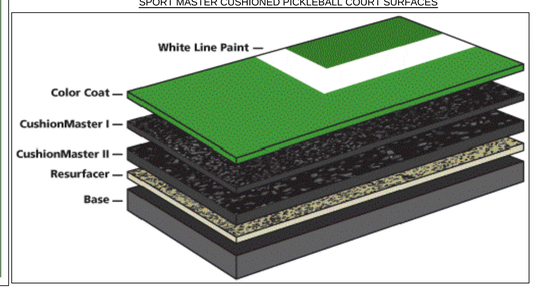
1. THE NET LENGTH SHALL BE AT LEAST 20 FEET (6.1 M) EXTENDING FROM ONE SIDELINE TO THE OTHER. THE NET WIDTH SHALL BE AT LEAST 2 FEET (0.8 M).
2. THE NET'S MESH SIZE MUST BE SUFFICIENTLY SMALL TO PREVENT A BALL FROM PASSING THROUGH IT.
3. THE NET SHALL BE SUSPENDED OVER THE CENTER OF THE COURT AND SHALL BE 36 INCHES (0.914 M) HIGH AT THE SIDELINES AND 34 INCHES (0.86 M) HIGH AT THE CENTER OF THE COURT.
4. A CENTER STRAP MAY BE PLACED AT THE CENTER OF THE NET TO ENABLE EASY ADJUSTMENT TO THE 34 IN. (0.86 CM) REQUIREMENT AT CENTER.
5. THE TOP OF THE NET SHOULD BE EDGED WITH A 2 INCH (5 CM) WHITE BINDING OVER A CORD OR CABLE RUNNING THROUGH THE BINDING. THIS BINDING MUST REST UPON THE CORD OR CABLE.
6. NET POSTS SHOULD BE PLACED OUTSIDE THE SIDELINES. RECOMMENDED PLACEMENT IS 12 INCHES (30.48 CM) FROM THE SIDELINE.





TYPICAL PERIMETER BEAM SECTION

SPORT MASTER CUSHIONED PICKLEBALL COURT SURFACES



THIS DOCUMENT IS RELEASED FOR REVIEW ONLY. IT IS NOT INTENDED FOR CONSTRUCTION UNLESS SIGNED AND SEALED.

CARL N. BERG L.A.
SERIAL NO. 7162790
DATE: 28 APR 2021

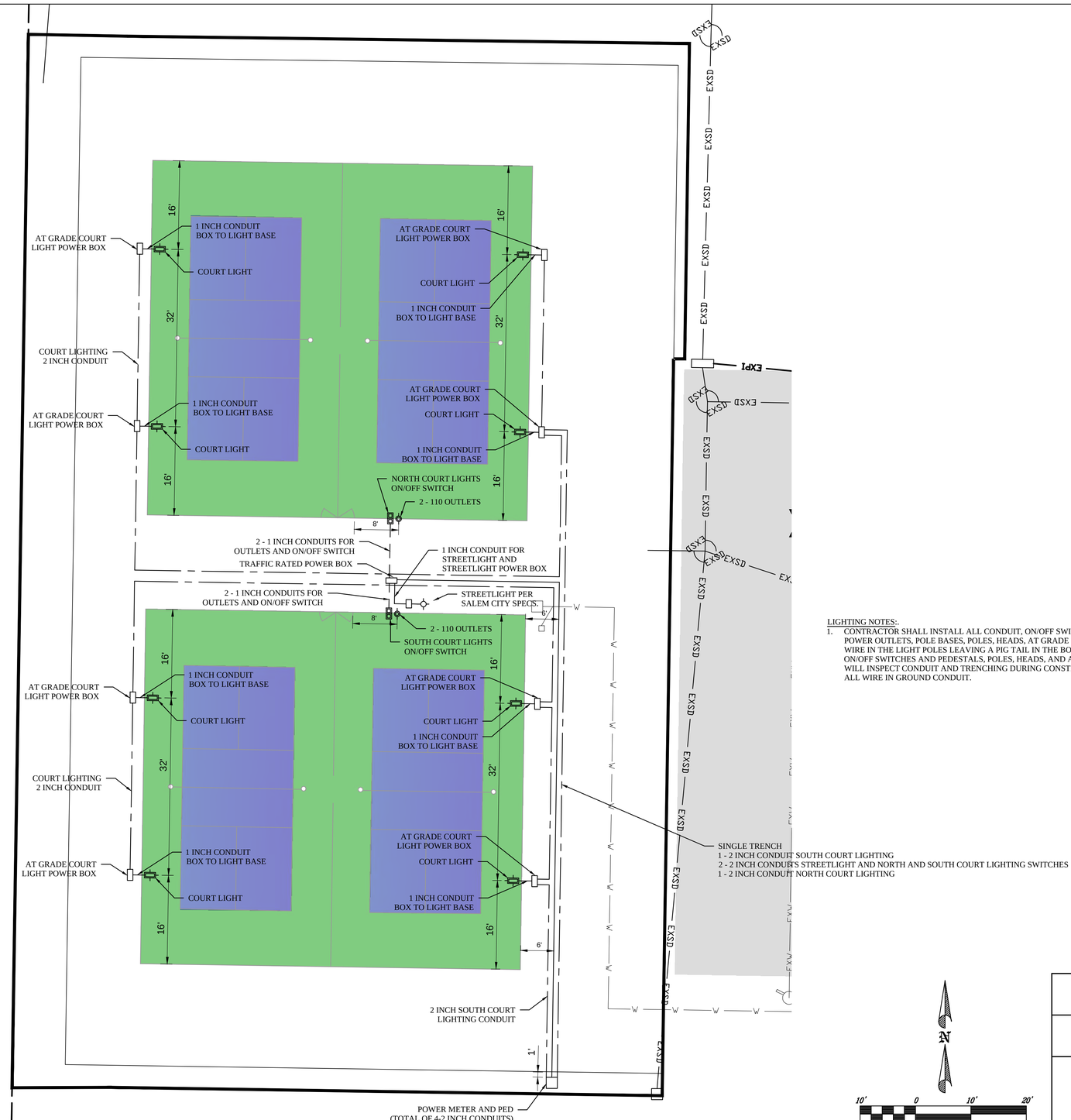
SALEM CITY

COLE PARK

PICKLEBALL COURT DETAILS

berg LANDSCAPE ARCHITECTS
380 E Main St, Suite 204
Midway, Ut 84049 ph. (801) 723-2000

DESIGN BY: CNB
DRAWN BY: CNB
DATE: 28 APR 2021
REV:
SHEET 02



LIGHTING NOTES:

1. CONTRACTOR SHALL INSTALL ALL CONDUIT, ON/OFF SWITCHES AND PEDESTALS, POWER OUTLETS, POLE BASES, POLES, HEADS, AT GRADE POWER BOXES AND PULL WIRE IN THE LIGHT POLES LEAVING A PIG TAIL IN THE BOX. CITY WILL PROVIDE ON/OFF SWITCHES AND PEDESTALS, POLES, HEADS, AND AT GRADE BOXES. CITY WILL INSPECT CONDUIT AND TRENCHING DURING CONSTRUCTION. CITY WILL PULL ALL WIRE IN GROUND CONDUIT.

THIS DOCUMENT IS RELEASED FOR REVIEW ONLY. IT IS NOT INTENDED FOR CONSTRUCTION UNLESS SIGNED AND SEALED.

CARL N. BERG L.A.
SERIAL NO. 7162790
DATE: 28 APR 2021

N

10' 0 10' 20'

Scale 1" = 10'

Scale 1" = 20' for 11x17

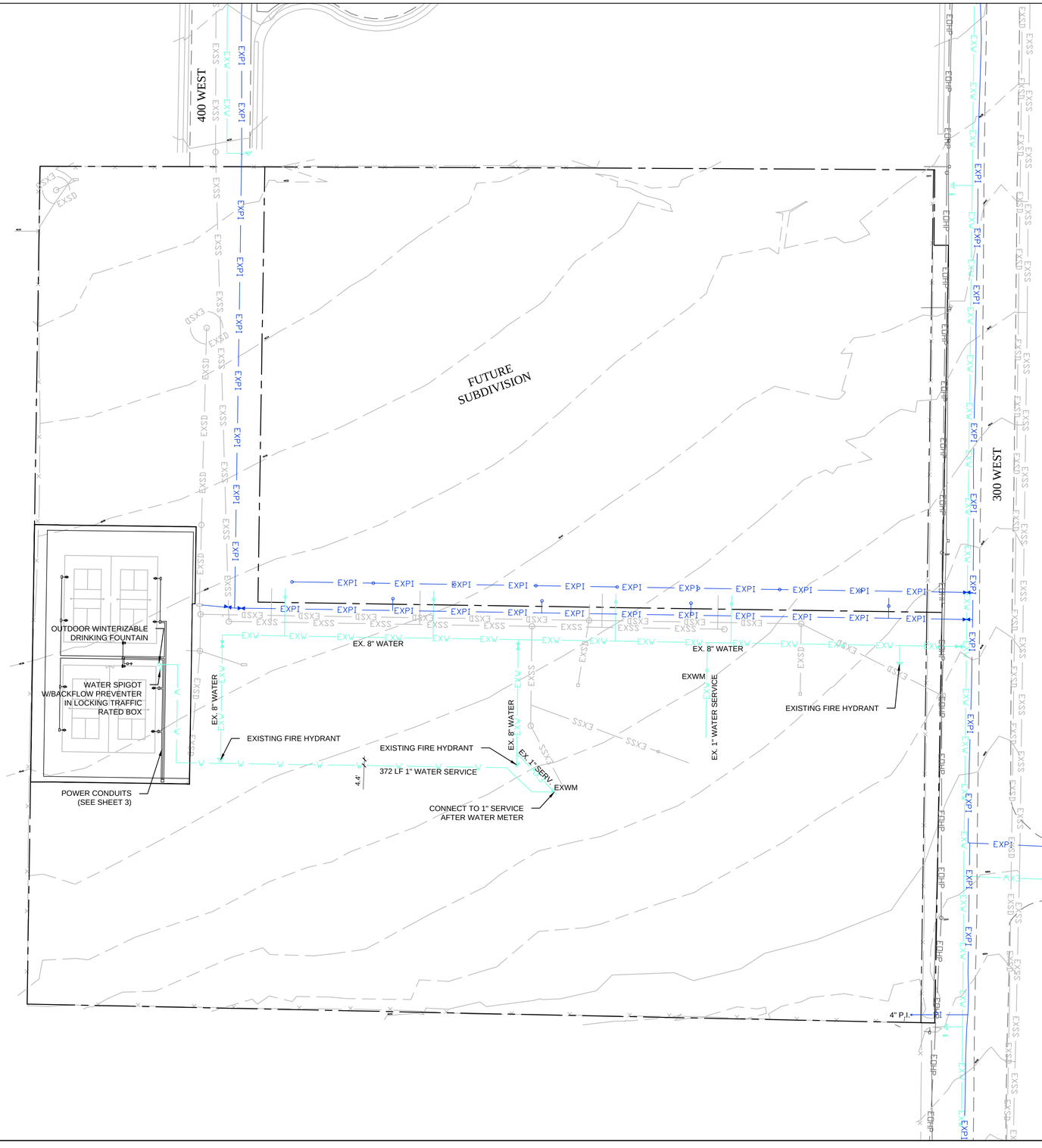
SALEM CITY

COLE PARK

PICKLEBALL COURTS CONDUIT PLAN

berg LANDSCAPE ARCHITECTS
380 E Main St, Suite 204
Midway, Ut 84049 ph. (801) 723-2000

DESIGN BY: CNB	DATE: 28 APR 2021	SHEET 03
DRAWN BY: CNB	REV:	



SALEM CITY GENERAL CONSTRUCTION NOTES:

1. ALL MAINLINE PIPING SHALL BE PLACED WITH A MINIMUM OF 4' COVER OVER THE TOP OF THE PIPE. GAS LINES SHALL BE PLACED WITH A MINIMUM OF 2' COVER.
2. ALL CULINARY WATER AND PRESSURIZED IRRIGATION MAIN LINE PIPE SHALL BE PVC C900 DR 18 CLASS 150 UNLESS OVERWISE APPROVED BY THE CITY.
3. ALL NEW CULINARY WATER AND PRESSURIZED IRRIGATION MAIN LINE PIPE SHALL BE 8" IN DIAMETER.
4. AIR PRESSURE TESTING DRY CULINARY WATER OR PRESSURIZED IRRIGATION PIPE LINES SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
5. ONLY CITY PERSONNEL SHALL OPEN AND CLOSE CITY WATER VALVES, UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY.
6. ALL WATER SAMPLES FOR CULINARY WATER TESTING SHALL BE COLLECTED AND DELIVERED BY CITY PERSONNEL. THE CONTRACTOR SHALL PAY FOR THE TESTING EXPENSE.
7. TAPPING INTO WATER LINES SHALL NOT BE ALLOWED IN GROUNDWATER OR MUD.
8. ALL MAINLINE SEWER PIPING 8" TO 15" SHALL BE PVC AND SHALL BE SUPPLIED IN LENGTHS NO LONGER THAN 13'.
9. ALL SEWER SERVICE LATERALS TAPS ON EXISTING LINES SHALL BE "INSERTA-TEE-TYPE" CONNECTIONS.
10. THE CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN ALL ROAD CONSTRUCTION, BARRICADES, CHANNELING DEVICES, AND CONSTRUCTION SIGNS IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR ROAD CONSTRUCTION ACTIVITIES.
11. TRAFFIC ACCESS SHALL BE MAINTAINED FOR LOCAL RESIDENTS TO PROPERTIES ALONG CONSTRUCTION BOUNDARIES.
12. ALL DEBRIS RESULTING FROM WORK ON THE PROJECT SHALL BE DISPOSED OF BY THE CONTRACTOR. THE CONTRACTOR SHALL MAKE APPROPRIATE ARRANGEMENTS FOR DISPOSAL SITES AT WHICH DEBRIS MAY BE LAWFULLY DISPOSED.
13. NO OPEN BURNING OF CONSTRUCTION DEBRIS SHALL BE ALLOWED

LEGEND

EXW	EXISTING CULINARY WATER
W	PROPOSED CULINARY WATER
EXPI	EXISTING PRESSURIZED IRRIGATION
PI	PROPOSED PRESSURIZED IRRIGATION
EXSS	EXISTING SEWER
SS	PROPOSED SEWER
EXSD	EXISTING STORM DRAIN
SD	PROPOSED STORM DRAIN
	EXISTING 15" PIPED DITCH
EOHP	EXISTING OVERHEAD POWER LINES
EXPP	EXISTING POWER POLE
LP	PROPOSED 13' CITY LIGHT POLE
FH	FIRE HYDRANT
EXFH	EXISTING FIRE HYDRANT

BLUE STAKE NOTE:
LOCATION OF EXISTING UTILITIES SHOWN ON PLAN ARE APPROXIMATE AND MAY BE INCOMPLETE. CONTRACTOR IS RESPONSIBLE FOR BLUE STAKING OF UTILITIES.

WILLOUGHBY STAINLESS STEEL OUTDOOR BOTTLE FILLER WITH ADULT ADA COMPLIANT DRINKING FOUNDTAIN (CWBF-2-HC)

NOTE:
DRINKING FOUNTAIN INSTALLED PURCHASED BY SALEM CITY, INSTALLED BY CONTRACTOR

THIS DOCUMENT IS RELEASED FOR REVIEW ONLY. IT IS NOT INTENDED FOR CONSTRUCTION UNLESS SIGNED AND SEALED.

PAUL D. BERG P.E.
SERIAL NO. 295595
DATE: 28 APR 2021

N

40' 0 40' 80'

Scale 1" = 40'
Scale 1" = 80' for 11x17

SALEM CITY
COLE PARK
CULINARY WATER PLAN

BERG ENGINEERING
380 E Main St. Suite 204
Midway, Ut 84049
ph 435.657.9749

DESIGN BY: CNB DRAWN BY: CNB	DATE: 28 APR 2021 REV:	SHEET 04