

PICKLEBALL COURTS

SEVIERVILLE CITY PARK 1005 PARK ROAD SEVIERVILLE, TENNESSEE 37862

AUG. 2, 2022



Owner:

SEVIERVILLE PARKS & RECREATION

120 GARY WADE BLVD. SEVIERVILLE, TENNESSEE

Landscape Architect:

MICHAEL VERSEN & ASSOCIATES

LANDSCAPE ARCHITECTURE LAND PLANNING
299 N. WEISGARBER RD. SUITE 201 KNOXVILLE, TN. 37919
(865) 588-1331

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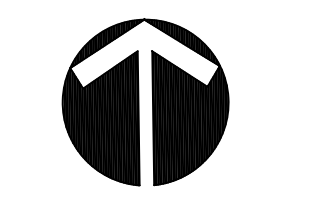
PRELIMINARY
PLAN
NOT FOR
CONSTRUCTION

**PRELIMINARY
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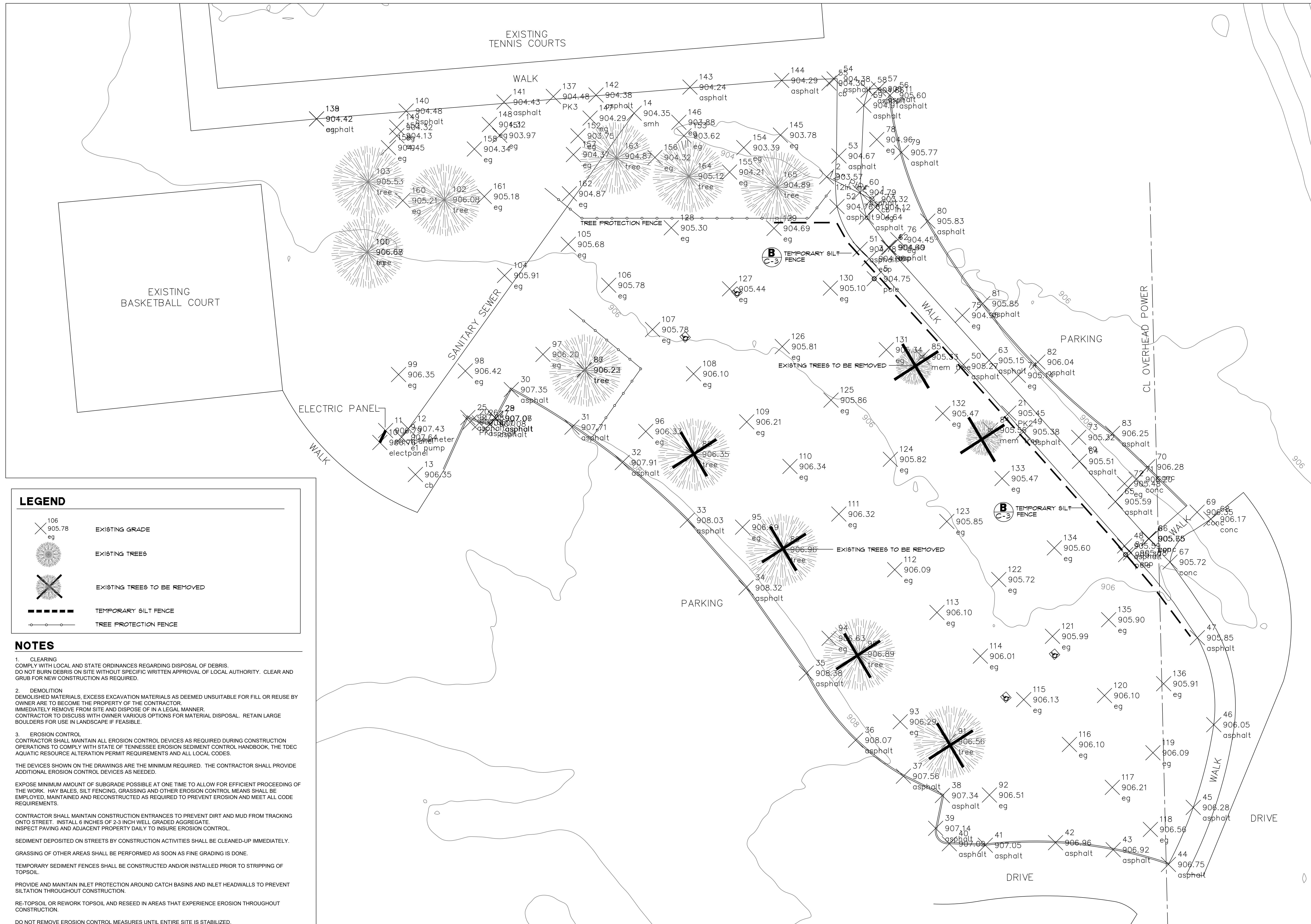
MICHAEL VERSEN & ASSOCIATES
LANDSCAPE ARCHITECTURE AND LAND PLANNING
299 N. WHEELBARROW RD., SUITE 201, KNOXVILLE, TN 37919
(615) 598-1331

Existing Site Survey, Demolition & Erosion Control
SEVIERVILLE CITY PARK - PICKLEBALL COURTS
1005 Park Road Sevierville, Tennessee 37862

JOB NO: 222032
DRAWN: MAV/REJM
DATE: JULY 26, 2022
REVISIONS: NONE



S-1



LEGEND

- 106 905.78 eg EXISTING GRADE
- EXISTING TREES
- EXISTING TREES TO BE REMOVED
- TEMPORARY SILT FENCE
- TREE PROTECTION FENCE

NOTES

- CLEARING**
COMPLY WITH LOCAL AND STATE ORDINANCES REGARDING DISPOSAL OF DEBRIS. DO NOT BURN DEBRIS ON SITE WITHOUT SPECIFIC WRITTEN APPROVAL OF LOCAL AUTHORITY. CLEAR AND GRUB FOR NEW CONSTRUCTION AS REQUIRED.
- DEMOLITION**
DEMOLISHED MATERIALS, EXCESS EXCAVATION MATERIALS AS DEEMED UNSUITABLE FOR FILL OR REUSE BY OWNER ARE TO BECOME THE PROPERTY OF THE CONTRACTOR. IMMEDIATELY REMOVE FROM SITE AND DISPOSE OF IN A LEGAL MANNER. CONTRACTOR TO DISCUSS WITH OWNER VARIOUS OPTIONS FOR MATERIAL DISPOSAL. RETAIN LARGE BOULDERS FOR USE IN LANDSCAPE IF FEASIBLE.
- EROSION CONTROL**
CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AS REQUIRED DURING CONSTRUCTION OPERATIONS TO COMPLY WITH STATE OF TENNESSEE EROSION SEDIMENT CONTROL HANDBOOK, THE TDEC AQUATIC RESOURCE ALTERATION PERMIT REQUIREMENTS AND ALL LOCAL CODES.
THE DEVICES SHOWN ON THE DRAWINGS ARE THE MINIMUM REQUIRED. THE CONTRACTOR SHALL PROVIDE ADDITIONAL EROSION CONTROL DEVICES AS NEEDED.
EXPOSE MINIMUM AMOUNT OF SUBGRADE POSSIBLE AT ONE TIME TO ALLOW FOR EFFICIENT PROCEEDING OF THE WORK. HAY BALES, SILT FENCING, GRASSING AND OTHER EROSION CONTROL MEANS SHALL BE EMPLOYED, MAINTAINED AND RECONSTRUCTED AS REQUIRED TO PREVENT EROSION AND MEET ALL CODE REQUIREMENTS.
CONTRACTOR SHALL MAINTAIN CONSTRUCTION ENTRANCES TO PREVENT DIRT AND MUD FROM TRACKING ONTO STREET. INSTALL 6 INCHES OF 2-3 INCH WELL GRADED AGGREGATE. INSPECT PAVING AND ADJACENT PROPERTY DAILY TO INSURE EROSION CONTROL.
SEDIMENT DEPOSITED ON STREETS BY CONSTRUCTION ACTIVITIES SHALL BE CLEANED-UP IMMEDIATELY.
GRASSING OF OTHER AREAS SHALL BE PERFORMED AS SOON AS FINE GRADING IS DONE.
TEMPORARY SEDIMENT FENCES SHALL BE CONSTRUCTED AND/OR INSTALLED PRIOR TO STRIPPING OF TOPSOIL.
PROVIDE AND MAINTAIN INLET PROTECTION AROUND CATCH BASINS AND INLET HEADWALLS TO PREVENT SILTATION THROUGHOUT CONSTRUCTION.
RE-TOPSOIL OR REWORK TOPSOIL AND RESEED IN AREAS THAT EXPERIENCE EROSION THROUGHOUT CONSTRUCTION.
DO NOT REMOVE EROSION CONTROL MEASURES UNTIL ENTIRE SITE IS STABILIZED.

SURVEY SUPPLIED BY THE OWNER. CONSULTANTS SHALL NOT BE RESPONSIBLE FOR ACCURACY OR COMPLETENESS OF SURVEY.

1 INCH = 16 FT.

SITE & LAYOUT NOTES

- 1. SURVEY**
SURVEY DATA PROVIDED BY THE CITY OF SEVIERVILLE ENGINEERING DEPARTMENT. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND REPORT ANY DISCREPANCIES TO PROJECT MANAGER.
- 2. SITE FAMILIARITY**
REVIEW AND BECOME FAMILIAR WITH SITE BEFORE COMMENCING WORK. VERIFY LOCATIONS OF ALL UTILITIES, PROPERTY LINES, ROAD R.O.W., EASEMENTS, SETBACKS, COVENANTS, SUBSURFACE DRAINAGE AND CONDITIONS, WHICH MAY BE IN THE WAY OR AFFECT CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO CALL TENNESSEE ONE CALL TO REQUEST EXACT FIELD LOCATION OF UTILITIES. PROTECT AND MAINTAIN EXISTING UTILITIES AND SITE FEATURES AS REQUIRED.
- 3. CODES, PERMITS AND STANDARDS**
CONTRACTOR SHALL OBTAIN AND SUBMIT ALL NECESSARY CONSTRUCTION PERMITS FOR WORK. CONTRACTOR SHALL CONFORM TO ALL STATE AND LOCAL CODES AND RECEIVE GOVERNMENTAL APPROVAL WHERE NECESSARY PRIOR TO CONSTRUCTION. SUBMIT COPIES OF PERMITS TO OWNER PRIOR TO CONSTRUCTION. INSTALL MATERIALS AND EQUIPMENT AS PER SPECIFICATIONS, INDUSTRY STANDARDS AND MANUFACTURER'S INSTRUCTIONS.
- 4. REFERENCE STANDARDS**
TENNESSEE DEPARTMENT OF TRANSPORTATION, BUREAU OF HIGHWAYS (TENN. DOT) "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" MARCH 1, 1981
AMERICAN CONCRETE INSTITUTE "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS EROSION AND SEDIMENT CONTROL HANDBOOK
INTERNATIONAL BUILDING CODE AND ANSI-A117.1 2003 EDITION
- 5. LAYOUT**
THE CONTRACTOR SHALL CONFINE ALL CONSTRUCTION ACCESS AND ACTIVITY TO AREAS DESIGNATED BY THE PROJECT DESIGNER / OWNER WITHIN LIMITS OF CONSTRUCTION ZONE.

THE SITE LAYOUT IS BASED ON TN STATE PLANE COORDINATE SYSTEM. MINOR LAYOUT ADJUSTMENTS MAY BE NECESSARY IN THE FIELD TO ACHIEVE THE DESIGNED ALIGNMENT.

THE CONTRACTOR SHALL VERIFY ALL GRADES AND FINAL DIMENSIONS PRIOR TO CONSTRUCTION. REPORT ANY DISCREPANCIES TO PROJECT MANAGER IMMEDIATELY FOR DECISION.

WRITTEN DIMENSIONS SHALL PREVAIL. DO NOT SCALE DRAWINGS. SHOULD ANY DISCREPANCIES OCCUR, REPORT TO PROJECT DESIGNER FOR CLARIFICATION.

LAYOUT AND STAKE PROJECT PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL VERIFY DIMENSIONS IN FIELD.
CONTACT PROJECT MANAGER A MINIMUM OF 48 HOURS IN ADVANCE TO SCHEDULE SITE INSPECTION AND APPROVAL OF LAYOUT.

PROJECT MANAGER RESERVES THE RIGHT TO ADJUST GRADES AND LAYOUT TO ACCOMMODATE LOCAL CONDITIONS. SUCH ADJUSTMENTS, IF MADE WILL BE DEEMED CLARIFICATIONS AND NOT CHANGE ORDERS.
- 6. ASPHALT**
ASPHALT PICKLEBALL COURT PAVING WITH ACRYLIC SURFACING (SEE SHEET C-3).
- 7. SIDEWALKS**
CONCRETE SHALL BE 4000 PSI, 4 INCHES THICK PLACED ON A MINIMUM OF 4 INCH STONE BASE. REINFORCEMENT SHALL BE 6X6 NO. 10/10 WWM OR FIBERMESH. FINISH IS TO BE MEDIUM BROOM.
REMOVE TOPSOIL LAYER AND COMPACT SUBGRADE BASE.
CROSS PITCH WALKS 2 PERCENT TOWARD AS INDICATED.
EXPANSION JOINTS SHALL BE PROVIDED FOR SIDEWALKS AT 24 FEET O.C. AND TOOLED CONTROL JOINTS EVERY 8 FEET O.C. AS SHOWN ON PLAN.
EXPANSION JOINTS SHALL BE PROVIDED AT ALL JUNCTIONS BETWEEN CONCRETE PAVEMENT OR OTHER SITE STRUCTURES.
- 8. GRASS SEEDING**
PERMANENT SEEDING SHALL BE "KENTUCKY 31" TALL FESCUE AT A RATE OF 7 LBS. PER 1000 SQ. FT. WITH FERTILIZER. SEEDING MIX MAY BE ADJUSTED WITH LANDSCAPE ARCHITECTS APPROVAL DUE TO CLIMATE CONDITIONS. IF SEEDING IS PERFORMED DURING WINTER MONTHS, SEED MIXTURE SHALL BE SUPPLEMENTED WITH A WINTER RYE OR OTHER APPROPRIATE MIXTURE TO ASSURE STABILIZATION DURING THE WINTER SEASON. SEED AND COVER SEED ALL EXISTING AND PROPOSED LAWN AREAS WITHIN THE ENTIRE CONSTRUCTION AREA.
MULCH WITH STRAW TO A LOOSE DEPTH OF 1 1/2 IN. MINIMUM DEPTH. PROVIDE AN ESTABLISHED FULL LAWN.

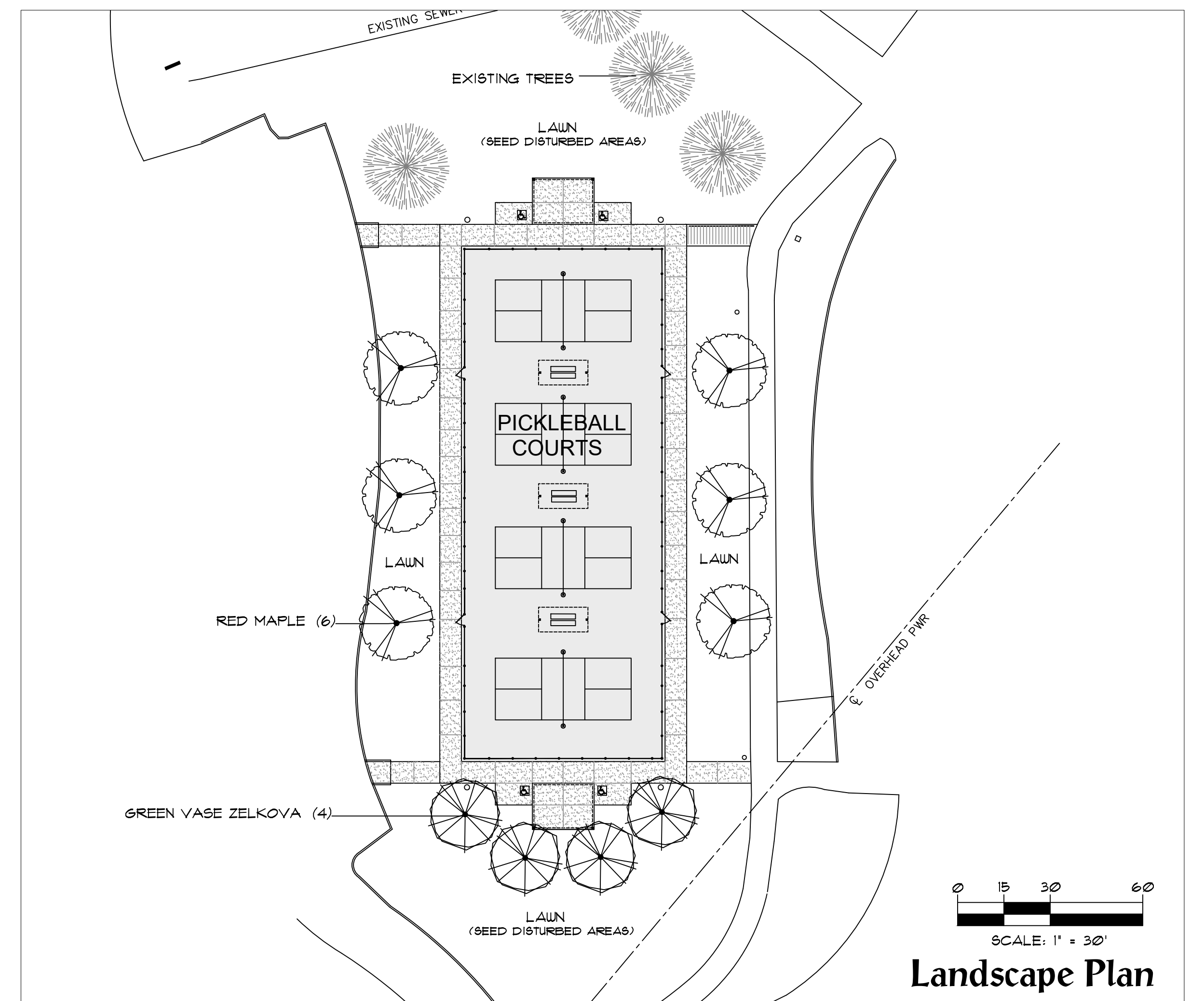
GRASSING AND MULCHING OF ALL DISTURBED AREAS NOT PAVED OR BUILT UPON SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR UNLESS NOTED OTHERWISE. HARDENED SOIL SHALL BE LOOSENED TO A DEPTH OF 6" AND TOPSOIL RE-GRADE AS NOTED BEFORE SEEDING.

GRADING CONTRACTOR SHALL ACT TO KEEP ALL INSTALLED SEED AREAS MOIST AS REQUIRED TO PROMOTE ROOTING OF SOD UNTIL STABLE GROWTH IS MAINTAINED.

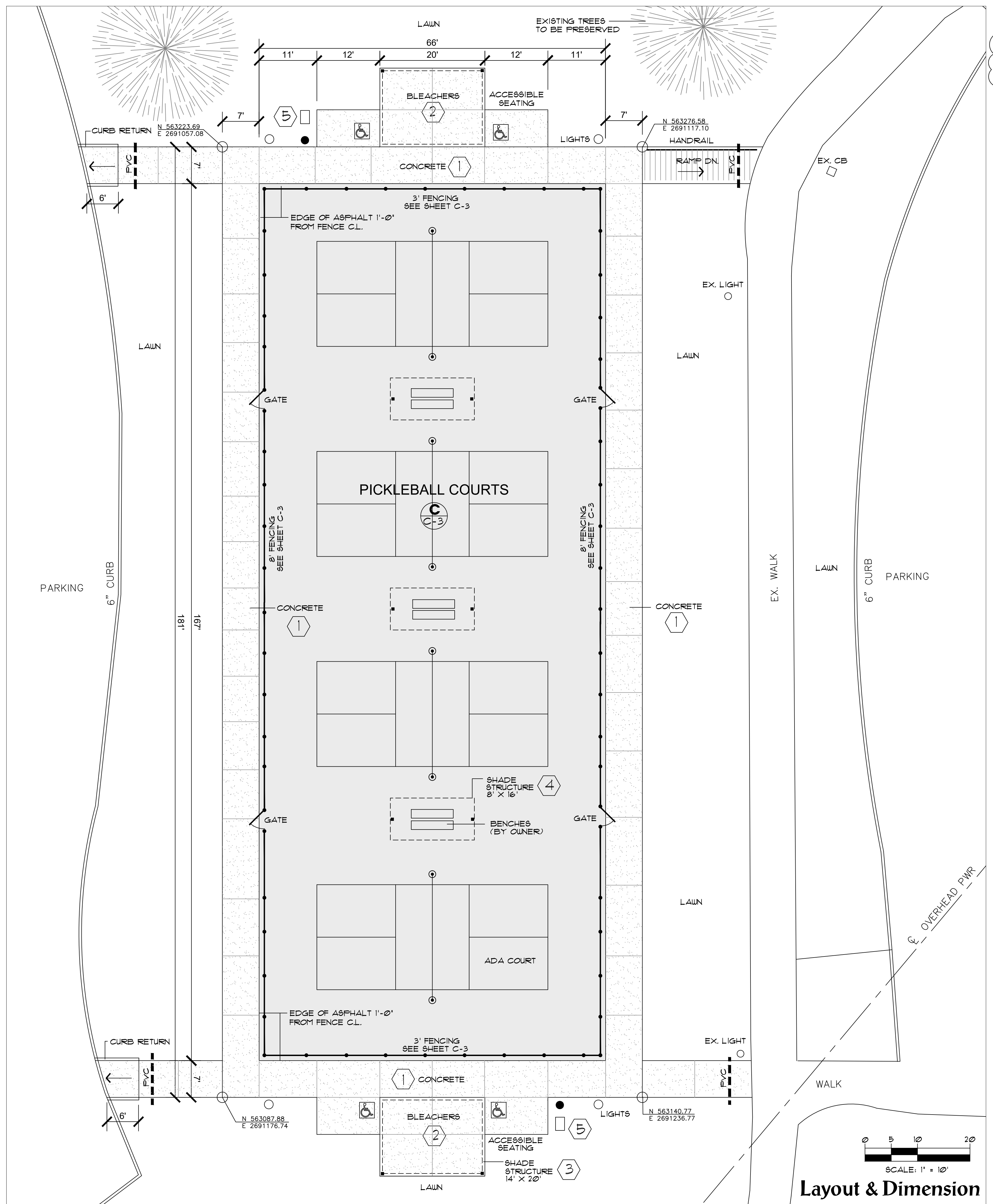
LEGEND

	NEW ASPHALT PAVING WITH ACRYLIC COATING
	NEW CONCRETE PAVING WITH EXPANSION/CONTROL JOINTS
	DETAIL TAG
	KEY NOTE TAG
	4" SCHEDULE 40 PVC PIPE SLEEVE FOR FUTURE ELECTRICAL / SOUND SYSTEM
	NORTHING AND EASTING COORDINATE POINT

- KEY NOTES**
- 4 INCH DEPTH REINFORCED CONCRETE ON COMPACTED STONE BASE WITH LIGHT BROOM FINISH AND HAND TOOLED SCORE / EXPANSION JOINTS AS SHOWN. SEE DETAIL 'A' SHEET C-3.
 - BLEACHERS (BY CITY). VERIFY BLEACHER SELECTION WITH CITY PRIOR TO CONCRETE INSTALLATION. ADJUST DIMENSIONS ACCORDINGLY.
 - SUPERIOR RECREATION PRODUCTS SUSPENDED CANTILEVER POST AND FABRIC STRUCTURE. SIZE TO BE DETERMINED WITH BLEACHER SELECTION BY CITY. AVAILABLE IN 8', 10' AND 12' HT. FINAL SIZE AND COLOR SELECTIONS BY CITY.
 - SUPERIOR RECREATION PRODUCTS T-CANTILEVER POST AND FABRIC STRUCTURE. HEIGHT TO BE DETERMINED BY CITY. AVAILABLE IN 8', 10' AND 12' HT. FINAL SIZE AND COLOR SELECTIONS BY CITY.
 - FROST PROOF CHILLED DRINKING FOUNTAIN AND BOTTLE FILLER. MOST DEPENDABLE FOUNTAINS NO. 10145-18. COLOR SELECTION BY OWNER. LOCKING IN-GROUND VALVE BOX AND HOSE BIB FOR MAINTENANCE.



Landscape Plan



Layout & Dimension

**PRELIMINARY PLAN
NOT FOR CONSTRUCTION**

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C-1

Layout, Dimension, & Landscape Plan

GRADING NOTES

1. CLEARING
COMPLY WITH LOCAL AND STATE ORDINANCES REGARDING DISPOSAL OF DEBRIS.
DO NOT BURN DEBRIS ON SITE WITHOUT SPECIFIC WRITTEN APPROVAL OF LOCAL AUTHORITY. CLEAR AND GRUB FOR NEW CONSTRUCTION AS REQUIRED.

2. DEMOLITION
DEMOLISHED MATERIALS, EXCESS EXCAVATION MATERIALS AS DEEMED UNSUITABLE FOR FILL OR REUSE BY OWNER ARE TO BECOME THE PROPERTY OF THE CONTRACTOR.
IMMEDIATELY REMOVE FROM SITE AND DISPOSE OF IN A LEGAL MANNER.
ALL EXCESS CUT SOIL TO BE RE-DISTRIBUTED ON PROPERTY. COORDINATE WITH PROJECT MANAGER.

3. STRIPPING AND SPREADING TOPSOIL
TOPSOIL SHALL BE STRIPPED AND TEMPORARILY STOCK PILED FOR LATER REUSE. IF NO STOCKPILE AREA IS NOTED ON GRADING PLAN, STOCKPILE SHALL BE IN SUCH PLACE AS TO PROVIDE FOR READY ACCESS.
PROVIDE A MINIMUM 6" TOPSOIL IN ALL AREAS SCHEDULED FOR LANDSCAPE. SCARIFY ANY COMPACTED GRADE BELOW TOPSOIL.

4. PROOF-ROLLING
ALL AREAS TO RECEIVE NEW STRUCTURAL FILL OR OTHER NEW CONSTRUCTION SHALL BE PROOF-ROLLED WITH A FULLY LOADED TANDEM DUMP TRUCK IN PRESENCE OF SOILS TESTING AGENT BEFORE COMMENCING ANY CONSTRUCTION ACTIVITY. ALL AREAS TO BE COMPACTED SHALL RECEIVE 4 PASSES WITH COMPACTION ROLLER. SOIL ENGINEER SHALL NOTIFY PROJECT DESIGNER THAT ALL AREAS HAVE PASSED PROOF-ROLL INSPECTION PRIOR TO COMMENCEMENT CUT & FILL OF GRADING. DO NOT COMMENCE GRADING PRIOR TO SUCH NOTIFICATION.

5. UNDERCUT-BACKFILL
UNDERCUT SHALL MEAN EXCAVATION OR OTHER REMOVAL OF UNSUITABLE MATERIAL BELOW ELEVATION OF PROPOSED FINAL SUBGRADE. IN NO CASE SHALL THE TERM UNDERCUT BE USED TO DESCRIBE MATERIAL OCCURRING ABOVE FINAL SUBGRADE ELEVATION. EXTENT OF UNDERCUT OF UNSUITABLE MATERIALS, IF ANY MUST BE RECOMMENDED BY THE SOIL ENGINEER FOR THE OWNER'S APPROVAL. SOIL ENGINEER SHALL NOT HAVE UNILATERAL AUTHORITY TO DIRECT UNDERCUT ACTIVITIES WITHOUT APPROVAL OF THE OWNER'S SUBSTANTIATE AMOUNTS OF UNDERCUT. BACKFILL SHALL BE OF APPROVED MATERIAL ONLY. MONEY FOR REQUIRED TESTING SHALL BE INCLUDED IN QUOTED PRICES CONCERNING UNDERCUT AND BACKFILL.

AREAS THAT EXHIBIT WEAK SOIL OR OTHERWISE UNSUITABLE CONDITIONS SHALL BE UNDERCUT TO A FIRM LEVEL OF SOIL FOLLOWED BY BACKFILLING THE UNDERCUT AREAS USING AN ENGINEERED FILL, TDOT NO. 57, OR TDOT NO 67 STONE.

6. STRUCTURAL FILL
PLACE FILL AND BACKFILL IN LAYERS AS SPECIFIED IN EXCAVATION AND GRADING NOTES.
USE NO DELETERIOUS MATERIAL, ORGANIC, OR ROCK LARGER THAN 2". IN-SITU SOILS MAY REQUIRE ADDITIONAL WATER OR MAY REQUIRE ADDITIONAL DRYING TO REACH OPTIMUM MOISTURE CONTENT FOR COMPACTION.

FILL MATERIAL SHALL BE PLACED IN LOOSE, HORIZONTAL LIFTS NOT EXCEEDING 8 IN. THICKNESS. COMPACT EACH LAYER TO AT LEAST 98% MAXIMUM DRY DENSITY. COMPACT THE UPPER 24 IN. OF FILL BENEATH PAVEMENTS AND THE UPPER 12 IN. BENEATH SLABS TO 100 MAXIMUM DRY DENSITY. MAINTAIN THE MOISTURE CONTENT TO WITHIN -1 TO +3 PERCENT OF THE OPTIMUM MOISTURE CONTENT.

7. GRADING TOLERANCE
GRADING CONTRACTOR SHALL BRING SUBGRADE TO WITHIN AN AVERAGE OF 1/10 OF ONE FOOT OF THE REQUIRED ELEVATION TO OBTAIN FINISHED GRADE AS INDICATED ON DRAWINGS EXCEPT AT LOCATIONS WHERE SPOT ELEVATIONS ARE SHOWN AND WHERE FLOOR ELEVATIONS ARE SHOWN WHICH SHALL BE WITHIN 1/10 OF 1 FOOT OF REQUIRED ELEVATIONS.
FINAL SUBGRADE SHALL BE SPOT CHECKED BY A LICENSED SURVEYOR WITH A DRAWING PREPARED AND FORWARDED TO PROJECT MANAGER FOR APPROVAL PRIOR TO COMMENCING FINE GRADE OR PAVING.
CONTRACTOR SHALL BE RESPONSIBLE FOR MINOR ADJUSTMENTS IN GRADES AS DIRECTED BY PROJECT MANAGER. NO ADDITIONAL COST WILL BE ALLOWED FOR THIS WORK.

8. GRADING AND DRAINAGE
SLOPE ALL GRADES TO DESIGNATED AREAS.

10. SUBSURFACE INVESTIGATION
SUBSURFACE INVESTIGATION REPORTS ARE NOT AVAILABLE. ANY ADDITIONAL INFORMATION REQUIRED SHALL BE OBTAINED BY THE CONTRACTOR.

11. WATER CONTROL
THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO KEEP THE WORK FREE OF WATER EITHER FROM SURFACE SOURCES OR FROM UNDERGROUND SOURCES OR BOTH. SELECTION OF EQUIPMENT AND METHODS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE AND IS RESPONSIBLE FOR ALL DAMAGE INCURRED IN HANDLING WATER CONDITIONS. ADDITIONALLY, THE CONTRACTOR SHALL PROVIDE MEANS NECESSARY TO AVOID DIRECT RUN-OFF FROM THIS PROJECT ONTO ADJACENT PROPERTY.

12. EROSION CONTROL
CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AS REQUIRED DURING CONSTRUCTION OPERATIONS TO COMPLY WITH STATE OF TENNESSEE EROSION SEDIMENT CONTROL HANDBOOK, THE TDEC AQUATIC RESOURCE ALTERATION PERMIT REQUIREMENTS AND ALL LOCAL CODES.

THE DEVICES SHOWN ON THE DRAWINGS ARE THE MINIMUM REQUIRED. THE CONTRACTOR SHALL PROVIDE ADDITIONAL EROSION CONTROL DEVICES AS NEEDED.

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CONTRACTOR SHALL MAINTAIN CONSTRUCTION ENTRANCES TO PREVENT DIRT AND MUD FROM TRACKING ONTO STREET. INSPECT PAVING AND ADJACENT PROPERTY DAILY TO INSURE EROSION CONTROL.

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GRASSING OF OTHER AREAS SHALL BE PERFORMED AS SOON AS FINE GRADING IS DONE.

TEMPORARY SEDIMENT FENCES SHALL BE CONSTRUCTED AND/OR INSTALLED PRIOR TO STRIPPING OF TOPSOIL.

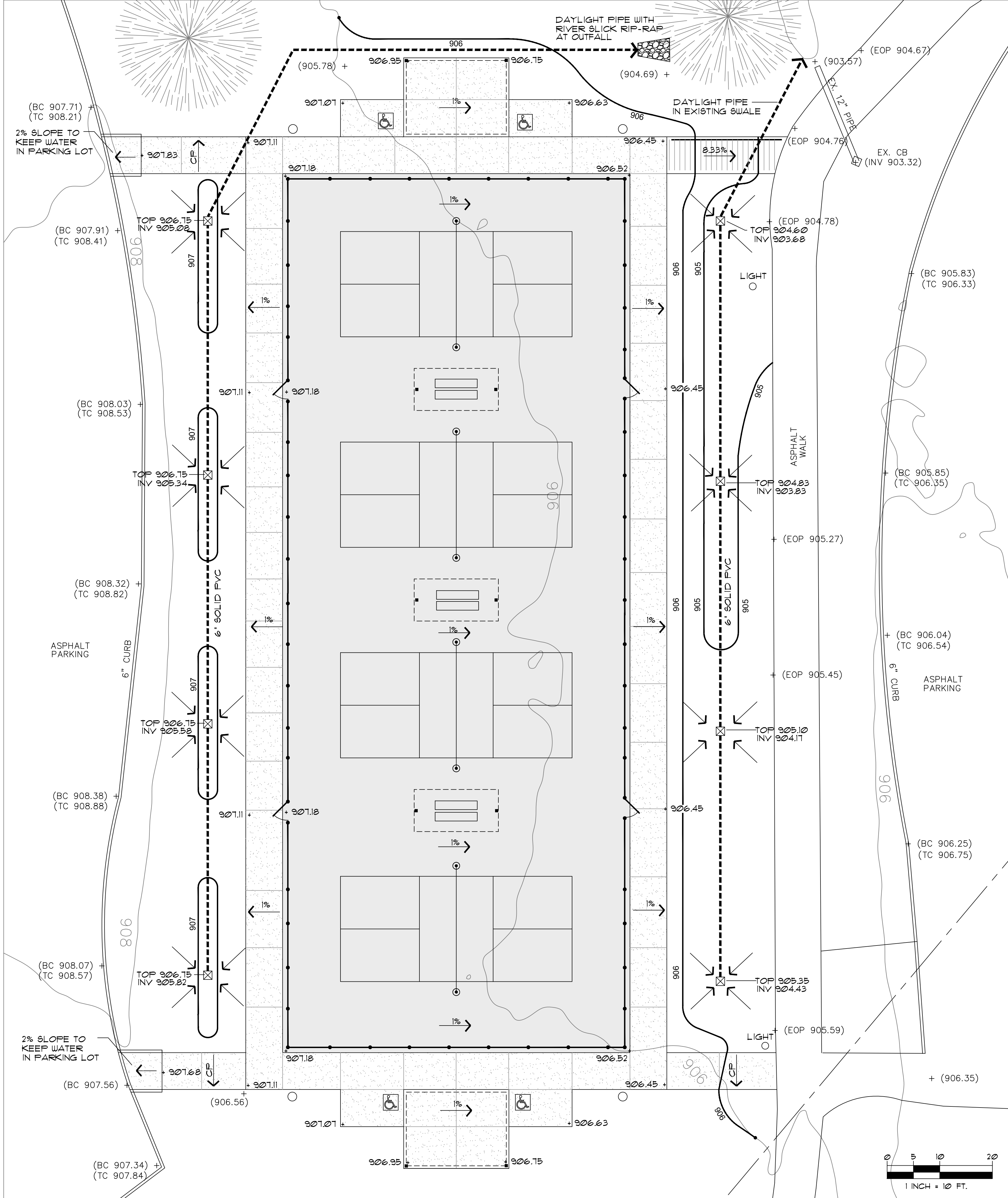
EROSION CONTROL FABRIC SHALL BE INSTALLED USING A MINIMUM OF TOPSOIL ON SLOPES STEEPER THAN 3:1. NOMINAL TOPSOIL DEPTH SHALL BE TWO INCHES AT SUCH EMBANKMENT. EROSION CONTROL FABRIC SHALL BE INSTALLED OVER THE SOIL. GRASS SHALL BE SOWN THROUGH EROSION CONTROL FABRIC. EROSION CONTROL FABRIC SHALL BE NORTH AMERICAN GREEN S-150 OR EQUAL.

PROVIDE AND MAINTAIN INLET PROTECTION AROUND CATCH BASINS AND INLET HEADWALLS TO PREVENT SILTATION THROUGHOUT CONSTRUCTION.

RE-TOPSOIL OR REWORK TOPSOIL AND RESEED IN AREAS THAT EXPERIENCE EROSION THROUGHOUT CONSTRUCTION. DO NOT REMOVE EROSION CONTROL MEASURES UNTIL ENTIRE SITE IS STABILIZED.

LEGEND

	EXISTING CONTOUR
	PROPOSED CONTOUR
	PROPOSED SPOT ELEVATION
	EXISTING GRADE
	BOTTOM OF CURB
	TOP OF CURB
	EDGE OF PAVEMENT
	PERCENTAGE OF SLOPE DIRECTION OF SLOPE - DOWN
	CROSS PITCH WALK AS SHOWN
	12 INCH ND&S YARD DRAIN WITH GALVANIZED SQUARE GRATE. USE BASIN RISERS AS NECESSARY
	6 INCH SOLID SCH. 40 PVC PIPE



**PRELIMINARY PLAN
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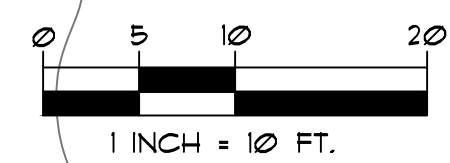
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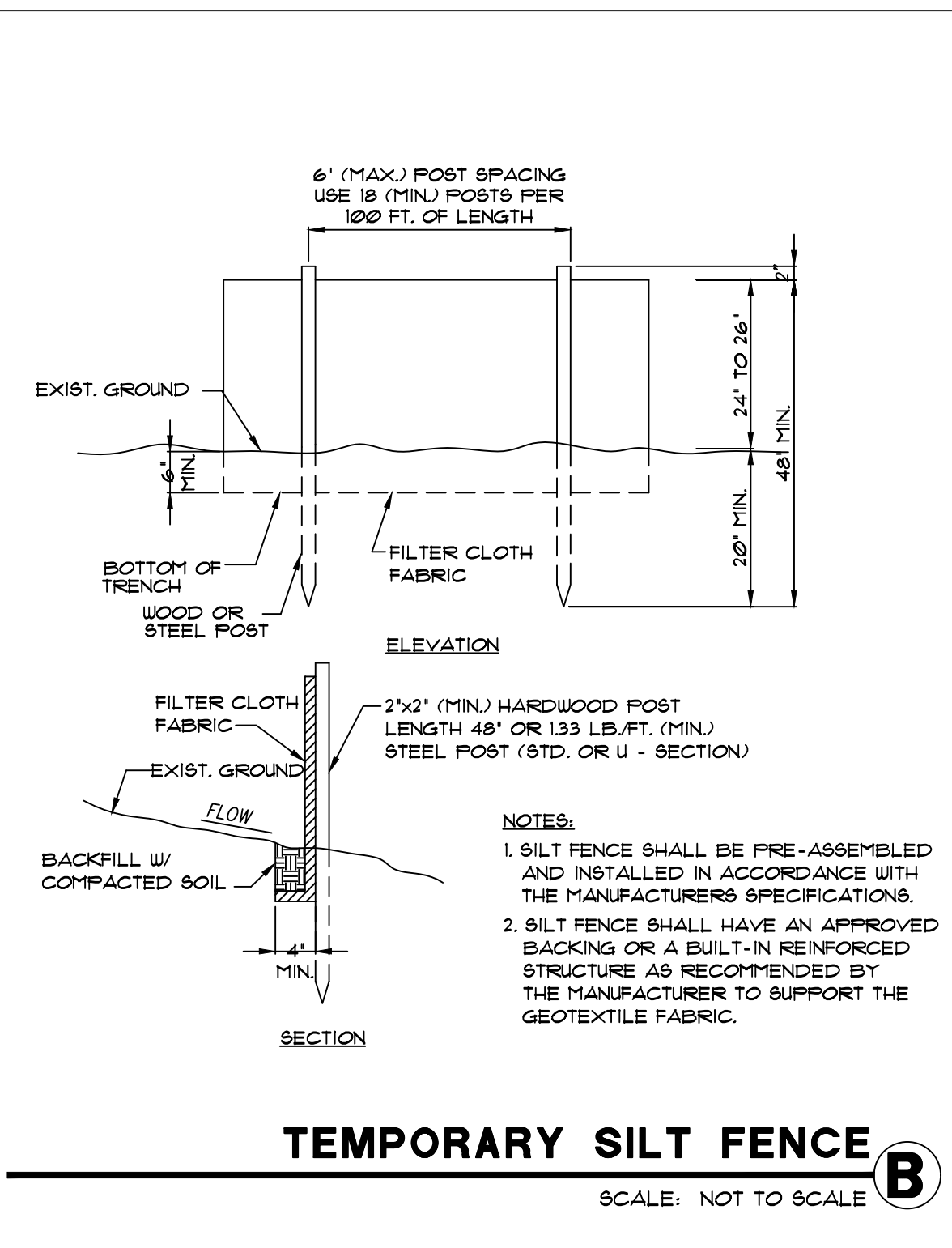
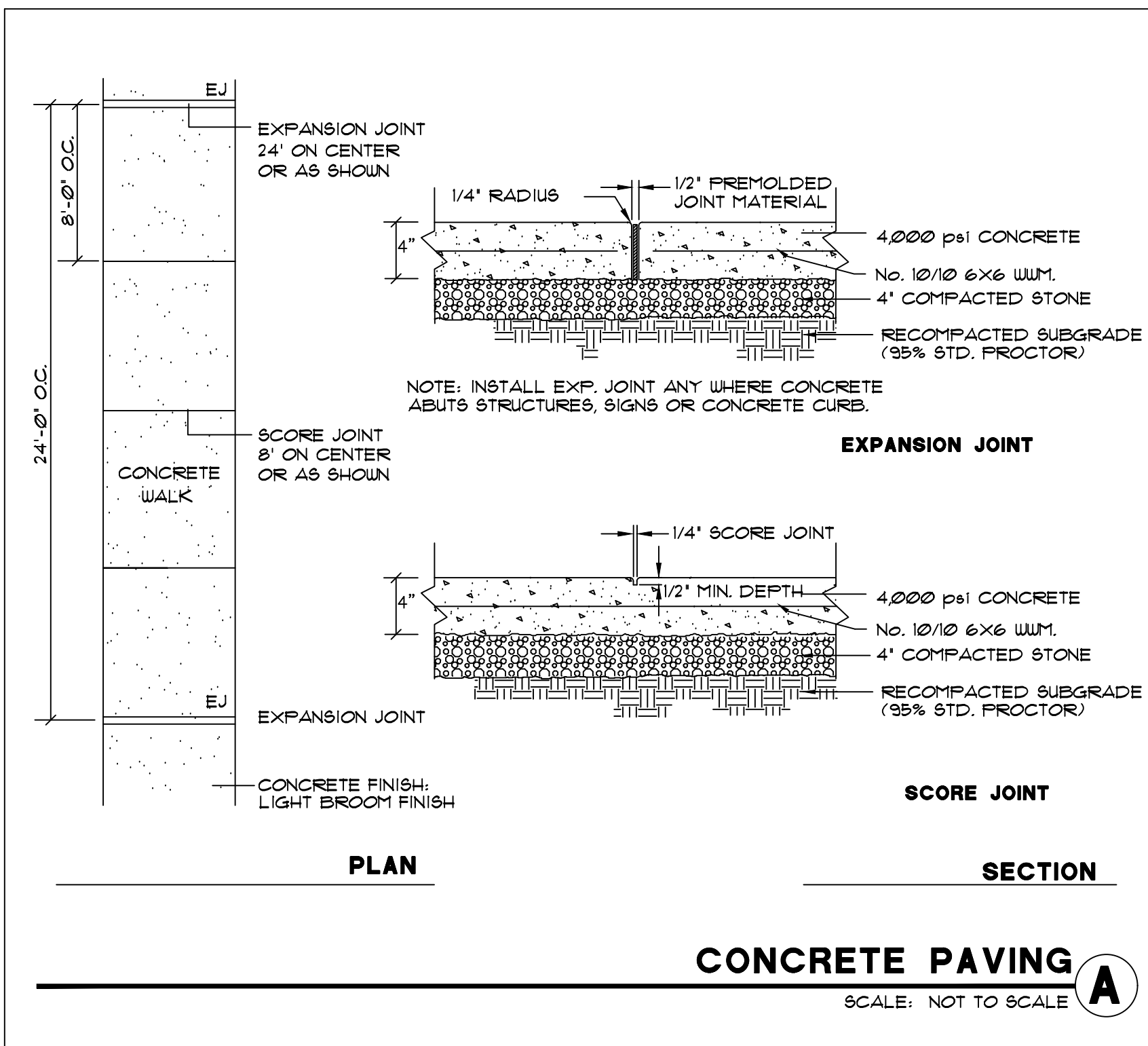
Grading Plan

SEVIERVILLE CITY PARK - PICKLEBALL COURTS
1005 Park Road Sevierville, Tennessee 37869

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REVISIONS:	NONE

C-2





COURT COLORS
CONTRACTOR TO PROVIDE MANUFACTURER SAMPLES TO ACHIEVE THIS COLOR COMBINATION.

COURT CONSTRUCTION SPECIFICATION

SITWORK: SITEWORK SHALL BE BY OTHERS. SOILS SHALL BE FIRM AND UNYIELDING UNDER THE WEIGHT OF A LOADED TANDEM DUMP TRUCK.
GRADING: GRADE AREA TO PROVIDE SLOPE IN ONE PLANE TO ALLOW WATER DRAINAGE FROM THE COURT. SLOPE WILL BE 1% (14 INCHES IN 120 FEET) AND SHALL BE ALL IN ON PLANE, EITHER END TO END, SIDE TO SIDE, OR CORNER TO CORNER. TOLERANCE ON THE FINISHED SUBGRADE SHALL BE +/- 1 FOOT. UTILIZE SOILS ON SITE TO CONSTRUCT THE COURT.
IF NECESSARY, BORROW SOILS FROM ANOTHER LOCATION ON THE PROPERTY OR ELSE HAUL SOIL IN IF A SITUATION ARISES IN WHICH ON SITE SOILS ARE NOT ADEQUATE TO CONSTRUCT THE COURT. INSURE THAT ON SIGHT SOILS ARE NOT TO EXPANSIVE OR CONTAIN ORGANIC OR ROTTING DEBRIS.

ASPHALT COURT: STONE BASE SHALL BE COMPACTED CRUSHED STONE INSTALLED TO A DEPTH OF SIX INCHES. ASPHALT SHALL BE INSTALLED IN TWO LIFTS, THE FIRST IN BINDER ASPHALT OF TWO INCHES AND THE SECOND OF SURFACE MIX (VIRGIN) ASPHALT AT ONE AND ONE-HALF INCH DEPTH. WALKWAYS OUTSIDE THE FENCED AREA NOT INCLUDED IN THIS ASPHALT WORK.

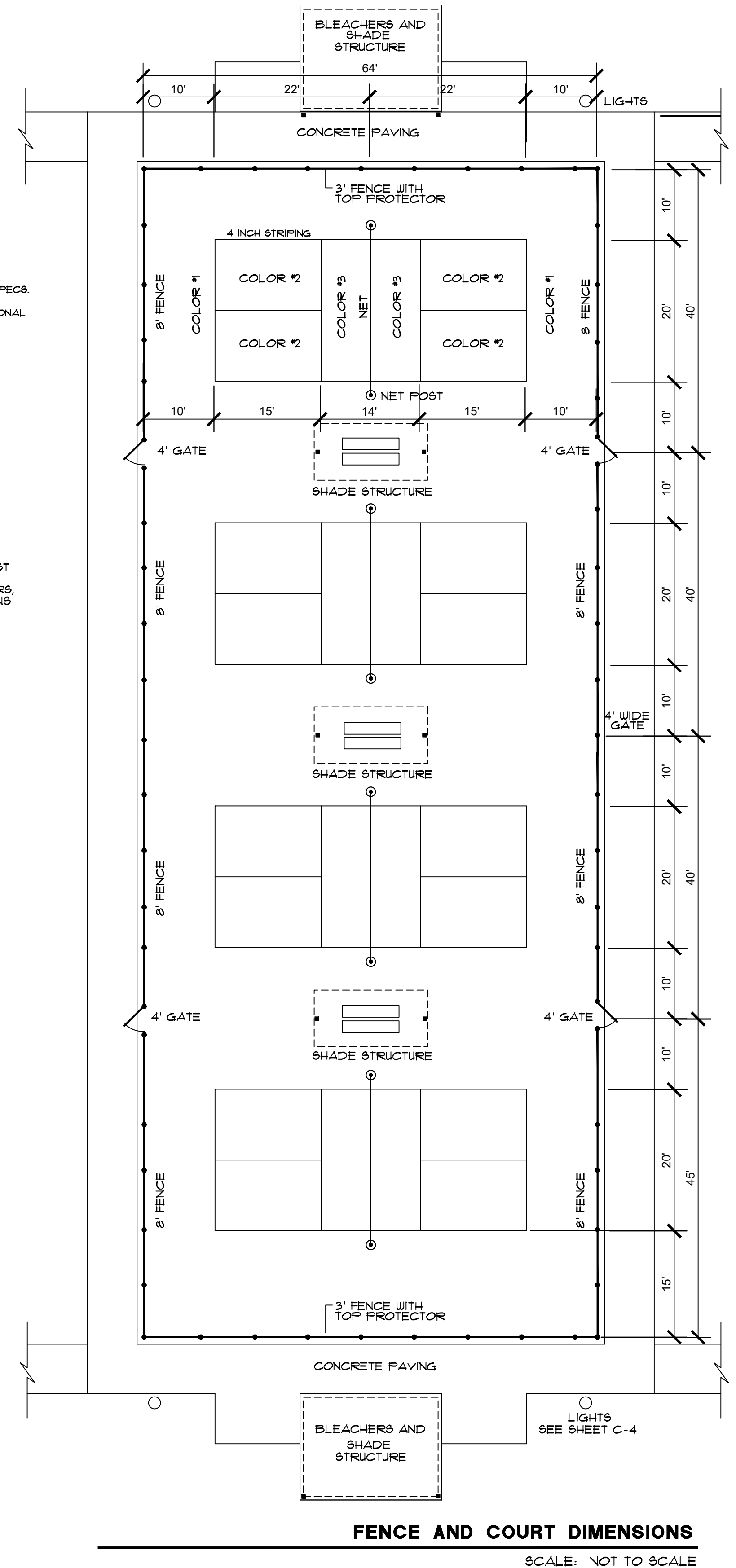
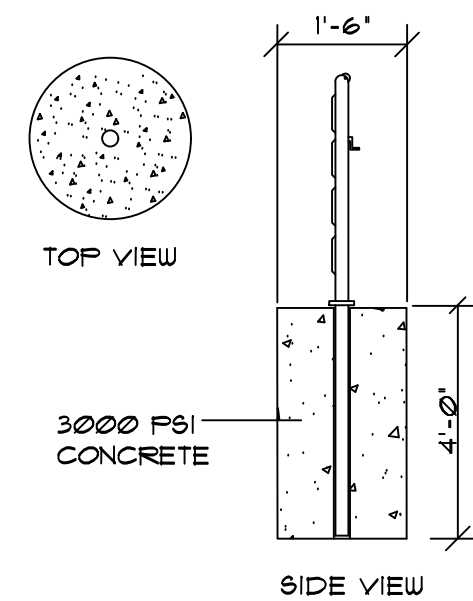
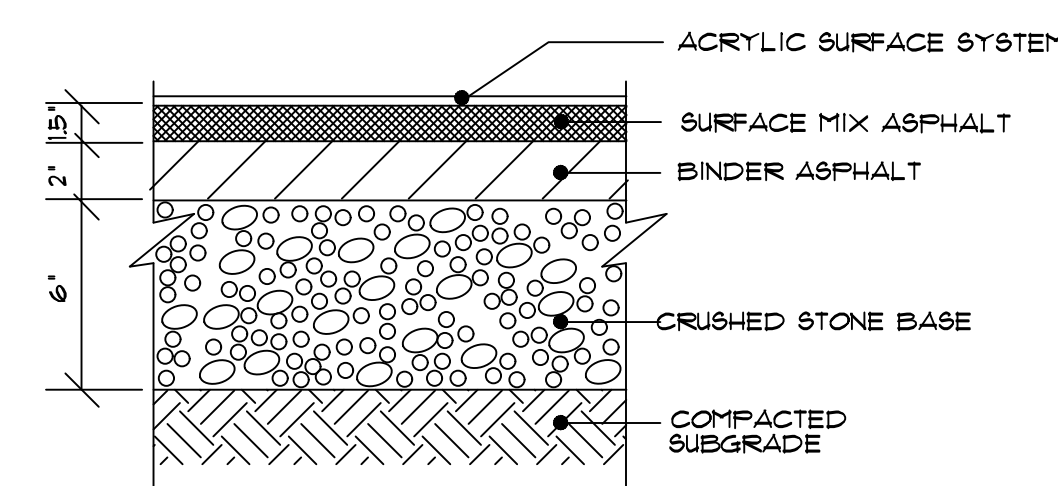
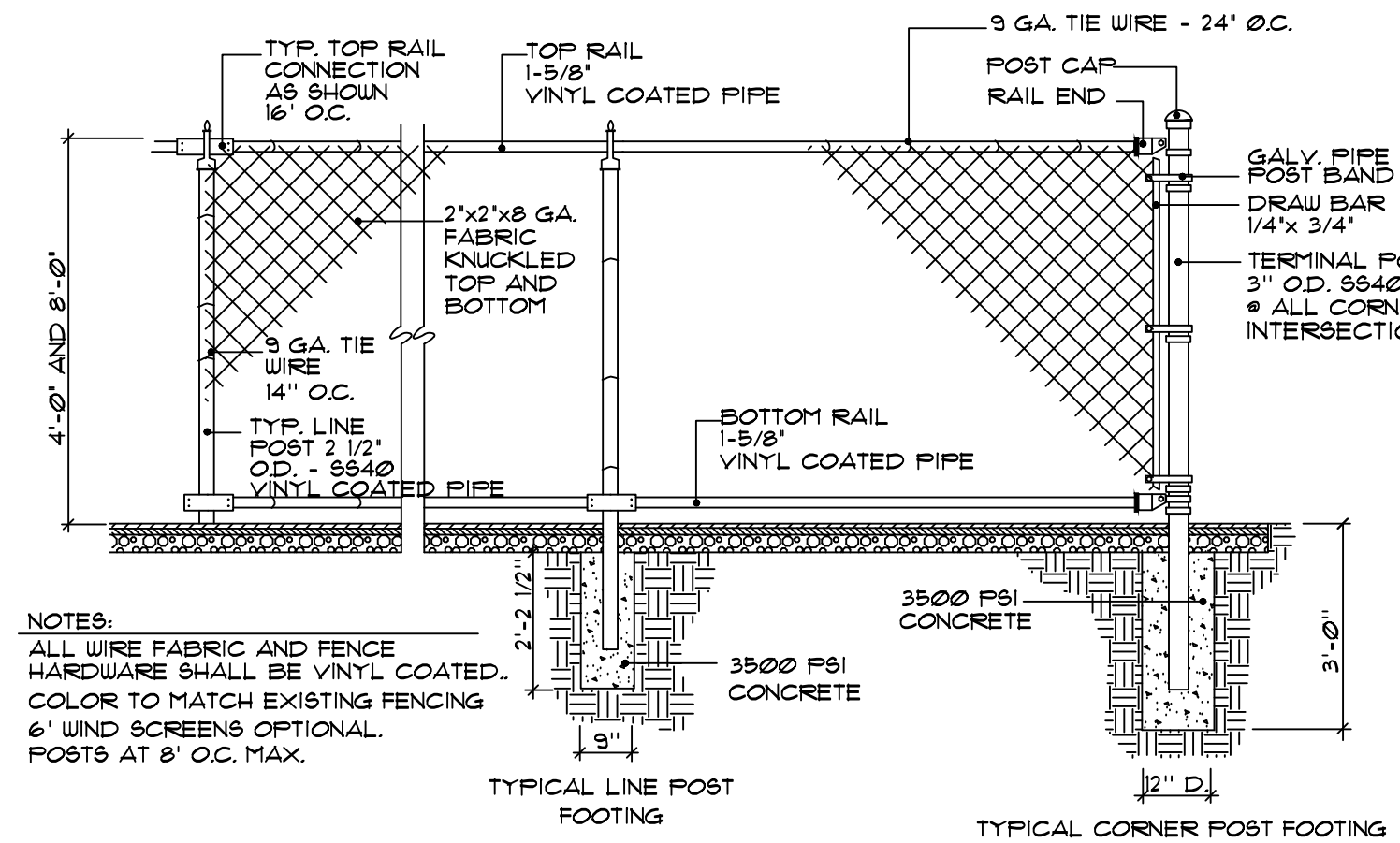
FENCING: PROVIDE AND INSTALL LINE FENCING AS SHOWN ON PLAN. FENCING SHALL BE ALL FUSION BONDED VINYL COATED GALVANIZED FENCE MEASURING FOUR AND EIGHT FEET IN HEIGHT. INSTALL 4" WIDE SWING GATES, OPENINGS, AND TOP PROTECTORS AS SHOWN ON PLAN. FENCE CENTERLINE TO BE 1 FOOT OFF EDGE OF ASPHALT.

HARDWARE: NET POSTS TO BE SET IN CONCRETE SLEEVE AS PER MANUFACTURERS SPECIFICATIONS WHICH SHALL BE NO LESS THAN ONE AND ONE HALF FEET IN DIAMETER BY FOUR FEET DEEP OF POURED CONCRETE. NETS AND NET POST TO BE DOUGLAS FOR PICKLEBALL OR APPROVED EQUAL. PROVIDE LATCHES FOR ALL GATES.

ACRYLIC SURFACE SYSTEM: FOLLOWING A 14 DAY CURE PERIOD FOR THE ASPHALT, A THREE COAT NOVA ACRYLIC SURFACE SYSTEM SHALL BE INSTALLED. ACRYLIC SURFACE SYSTEM - PROVIDE AND INSTALL CUSHIONED ACRYLIC SURFACE CONSISTING OF THE FIRST COAT BEING A RESURFACER WITH SAND ADDED TO FILL THE PORES IN THE ASPHALT. TWO SAND FILLED COLOR COATS SHALL THEN BE INSTALLED FOLLOWED BY REGULATION PICKLEBALL STRIPES. THE COURT SHALL BE LINED USING MASKING TAPE AND NOVA SEAL A LINE COATING TO PREVENT THE TEXTURED LINE PAINT FROM BLEEDING UNDER THE TAPE. TWO COATS OF WHITE TEXTURED LINE PAINT SHALL BE APPLIED ACCORDING TO U.S. TENNIS COURT AND TRACK BUILDERS ASSOCIATION LAYOUT STANDARDS. 3 COLOR SCHEME WILL BE INSTALLED. SEE ILLUSTRATION ON THIS SHEET. CITY WILL CHOOSE FINAL COLOR SELECTION.

LIGHTING: CITY WILL PURCHASE AND SUPPLY "MUSCO" SPORTS LIGHTING. INSTALLATION WILL BE COMPLETED BY THE CONTRACTOR. CONTRACTOR RESPONSIBLE FOR POLE BASES AND ALL ELECTRICAL CONDUIT INSTALLATION AS PER MANUFACTURERS SPEC. NEW LIGHTS TO BE LED FIXTURES WITH CAPABLE OF BEING CONTROLLED REMOTELY BY CITY STAFF THROUGH AN APP. AS PART OF ELECTRICAL WORK, CONTRACTOR TO SUPPLY AND INSTALL GFI OUTLETS WITH CHARGING STATION FOR PERSONAL ELECTRONIC DEVICES.

SOUND SYSTEM: PVC PIPE SLEEVES WILL BE INSTALLED FOR FUTURE WIRING OF SOUND SYSTEM. SOUND SYSTEM BY OTHERS.



COURT LAYOUT & DETAILS C
SCALE: NOT TO SCALE

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C-3

PRELIMINARY PLAN
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MUSCO LIGHTING

SEVIERVILLE CITY PARK - PICKLEBALL COURTS
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Court Lighting

JOB NO.
DRAWN:
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REVISIONS: NONE

C-4

Sevierville Pickleball

Sevierville, TN

Lighting System

Pole ID	Pole Height	Mtg Height	Fixture Qty	Luminaire Type	Load	Circuit
P1-P4	50'	50'	1	TLC-LED-900	0.89 kW	A
4		50'	8	TLC-LED-900	0.89 kW	A

Circuit Summary

Circuit	Description	Load	Fixture Qty
A	Pickleball	5.88 kW	8

Fixture Type Summary

Type	Source	Wattage	Lumens	L80	L80	L70	Quantity
TLC-LED-900	LED 5700K - 75 CRI	890W	89,600	>120,000	>120,000	>120,000	4
TLC-LED-600	LED 5700K - 75 CRI	580W	65,600	>120,000	>120,000	>120,000	4

Light Level Summary

Grid Name	Calculation Metric	Ave	Min	Max	Max/Min	Ave/Min	Circuits	Fixture Qty
Pickleball	Horizontal Illuminance	33.2	25	44	1.74	1.33	A	8

From Hometown to Professional

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PROJECT SUMMARY

Sevierville Pickleball

Sevierville, TN

EQUIPMENT LAYOUT

INCLUDES:
- Pickleball

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

EQUIPMENT LIST FOR AREAS SHOWN

QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY/POLE	OTHER
4	P1-P4	50'	-	50'	TLC-LED-600	1	1
4				50'	TLC-LED-900	1	1
TOTALS							8

SINGLE LUMINAIRE AMPERAGE DRAW CHART

Ballast Specifications (50 min power factor)	Line Amperage Per Luminaire (max draw)					
	208 VAC	220 VAC	240 VAC	277 VAC	380 VAC	480 VAC
Single Phase Voltage	5.3	5.0	4.6	4.0	3.2	2.9
TLC-LED-900	3.4	3.2	3.0	2.6	2.0	1.9
TLC-LED-600						

SCALE IN FEET 1 : 30

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EQUIPMENT LAYOUT

Sevierville Pickleball

Sevierville, TN

EQUIPMENT LIST FOR AREAS SHOWN

QTY	LOCATION	SIZE	GRADE ELEVATION	MOUNTING HEIGHT	LUMINAIRE TYPE	QTY/POLE	OTHER
4	P1-P4	50'	-	50'	TLC-LED-600	1	1
4				50'	TLC-LED-900	1	1
TOTALS							8

GRID SUMMARY

Name: Pickleball
Size: 164' x 64'
Spacing: 10.0' x 10.0'
Height: 3.0' above grade

ILLUMINATION SUMMARY

MAINTAINED HORIZONTAL FOOTCANDLES

Entire Grid

Guaranteed Average: 30

Scan Average: 33.18
Maximum: 44
Minimum: 25
Avg / Min: 1.31

Guaranteed Max / Min: 2.5

Max / Min: 1.74
UG (adjacent pts): 1.33
CU: 0.51
No. of Points: 96

LUMINAIRE INFORMATION
Applied Circuits: A
No. of Luminaires: 8
Total Load: 5.88 kW

Guaranteed Performance: The ILLUMINATION described above is guaranteed per your Musco Warranty document and includes a 0.95 dirt depreciation factor.

Field Measurements: Individual field measurements may vary from computer-calculated predictions and should be taken in accordance with IESNA RP-6-15.

Electrical System Requirements: Refer to Amperage Draw Chart and/or the "Musco Control System Summary" for electrical sizing.

Installation Requirements: Results assume ± 3% nominal voltage at line side of the driver and structures located within 3 feet (1m) of design locations.

SCALE IN FEET 1 : 30

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ILLUMINATION SUMMARY