

INDEX TO DRAWINGS

SHT NO	SHEET NAME	SHT NO	SHEET NAME	SHT NO	SHEET NAME
00	COVER SHEET	50	CIVIL DETAILS	CP-001	VORTEX NOTES
01	PAY QUANTITIES & NOTES	51	CIVIL DRAINAGE AREA MAP & SUMMARY	A-002	VORTEX SITE LAYOUT
02	PAY QUANTITIES & NOTES	52	CIVIL STORMWATER MANAGEMENT PLAN	PE-001	VORTEX PLUMBING
03	PAY QUANTITIES & NOTES (01)	53	CIVIL GRADING PLAN (01)		& ELECTRICAL (01)
04	PAY QUANTITIES & NOTES (02)	54	CIVIL GRADING PLAN (02)	PE-002	VORTEX PLUMBING
05	KEY PLAN	55	CIVIL GRADING PLAN (03)		& ELECTRICAL (02)
06	TREE PROTECTION PLAN	56	CIVIL GRADING PLAN (04)	E-003	VORTEX LAYOUT
07	DEMOLITION PLAN (01)	57	CIVIL GRADING PLAN (05)	SP-1.0	SKATEPARK / ART FEATURE
08	DEMOLITION PLAN (02)	58	CIVIL GRADING PLAN (06)	SP-1.1	SKATEPARK / ART FEATURE
09	DEMOLITION PLAN (03)	59	CIVIL GRADING PLAN (07)	SP-2.0	SKATEPARK / ART FEATURE
10	DEMOLITION PLAN (04)	60	CIVIL GRADING PLAN (08)	SP-3.0	SKATEPARK / ART FEATURE
11	DEMOLITION PLAN (05)	61	CIVIL GRADING ENLARGEMENT A	SP-4.0	SKATEPARK / ART FEATURE
12	DEMOLITION PLAN (06)	62	CIVIL GRADING ENLARGEMENT B	SP-5.0	SKATEPARK / ART FEATURE
13	DEMOLITION PLAN (07)	63	CIVIL GRADING ENLARGEMENT C	SP-6.0	SKATEPARK / ART FEATURE
14	DEMOLITION PLAN (08)	64	CIVIL GRADING ENLARGEMENT D	SP-7.0	SKATEPARK / ART FEATURE
15	UTILITIES PLAN (01)	65	CIVIL GRADING ENLARGEMENT E	SP-8.0	SKATEPARK / ART FEATURE DETAILS
16	UTILITIES PLAN (02)	66	CIVIL GRADING ENLARGEMENT F	SP-8.1	SKATEPARK / ART FEATURE DETAILS
17	UTILITIES PLAN (03)	67	DITCH PLAN & PROFILE (01)	SP-8.2	SKATEPARK / ART FEATURE DETAILS
18	UTILITIES PLAN (04)	68	DITCH PLAN & PROFILE (02)	SP-9.0	SKATEPARK / ART FEATURE DETAILS
19	UTILITIES PLAN (05)	69	DITCH PLAN & PROFILE (03)	SP-9.1	SKATEPARK / ART FEATURE ELEVATIONS
20	UTILITIES PLAN (06)	70	DITCH PLAN & PROFILE (04)	E1	ELECTRICAL PLAN
21	UTILITIES PLAN (07)	71	SANITARY PLAN & PROFILE (01)	E2	ELECTRICAL DETAILS (01)
22	UTILITIES PLAN (08)	72	SANITARY PLAN & PROFILE (02)	E3	ELECTRICAL DETAILS (02)
23	SITE PLAN (01)	73	SANITARY PLAN & PROFILE (03)		
24	SITE PLAN (02)	74-85	CONSTRUCTION DETAILS (1-12)		
25	SITE PLAN (03)	86-89	SPORT COURT DETAILS (1-4)		
26	SITE PLAN (04)	90	HAWAII SHADE UMBRELLA DETAILS		
27	SITE PLAN (05)	91	PLAYGROUND EQUIPMENT SCHEDULE		
28	SITE PLAN (06)	92	BASEBALL BACKSTOP DETAILS		
29	SITE PLAN (07)	93-94	DECORATIVE SEAT WALL DETAILS (1-2)		
30	SITE PLAN (08)	95-99	ARTIFICIAL TURF BERM DETAILS (1-5)		
31	LAYOUT PLAN (01)	100	PORTLAND LOO DETAILS		
32	LAYOUT PLAN (02)	101	SITE AMENITIES DETAILS		
33	LAYOUT PLAN (03)	102	TYPICAL REST AREA DETAILS		
34	LAYOUT PLAN (04)	103-108	DOG PARK DETAILS (1-6)		
35	LAYOUT PLAN (05)	109-111	BOMANITE DETAILS (1-3)		
36	LAYOUT PLAN (06)	112-115	SHELTER DETAILS (1-4)		
37	LAYOUT PLAN (07)	116-117	LANDSCAPE DETAILS (1-2)		
38	LAYOUT PLAN (08)	118-119	VORTEX DETAILS (1-2)		
39	PLANTING PLAN (01)				
40	PLANTING PLAN (02)				
41	PLANTING PLAN (03)				
42	PLANTING PLAN (04)				
43	PLANTING PLAN (05)				
44	PLANTING PLAN (06)				
45	PLANTING PLAN (07)				
46	PLANTING PLAN (08)				
47	BASKETBALL & COOLING STATION ENLARGEMENT				
48	PICKLEBALL ENLARGEMENT				
49	PLAYGROUND AND INTERACTIVE FOUNTAIN ENLARGEMENT				

UTILITY COORDINATION BOX

	NUMBER
WATER DESIGN	918-596-9566
WASTEWATER DESIGN	918-596-9564
TRANSPORTATION DESIGN	918-596-9636
TRAFFIC ENGINEERING DESIGN	918-596-9744
STORMWATER DESIGN	918-596-9498
ONG - TIM HELBIG	918-831-8387
COX - JASON HOLT	918-286-7238
PSO / AEP - LONNY HICKS	918-250-6211
AT&T - WAYNE GROOM	918-527-7309
PARKS MAINTENANCE	918-596-2486

FRED JOHNSON PARK
6002 S. RIVERSIDE DRIVE



100% DESIGN DRAWINGS IMPROVE OUR TULSA FRED JOHNSON PARK REHABILITATION PROJECT NO. SP 21-6

ACCOUNT NO'S.

2244P00012. FACILITIES PARKS. 409-4094111-541103

2443X0028Z. FACILITIES PARKS. 4295

CITY OF TULSA, OKLAHOMA DEPARTMENT OF PARKS, CULTURE, AND RECREATION



JOHNSON PARK
PAY QUANTITIES - BASE BID

SPEC NUM	DESCRIPTION	PAY NOTES	UNITS	QUAN.
	PLAYGROUND EQUIPMENT INSTALLATION (BY ACS)	2, 3, 4, 5	SYSTEM	1
	ARTIFICIAL TURF PLAYGROUND SURFACING	7, 11A	SF	7605
	ARTIFICIAL TURF BERMS	7, 8, 11A	SF	7809
	ARTIFICIAL TURF AT BASKETBALL/PARKING LOT PLAZA	11, 11A	SF	1098
	VORTEX INTERACTIVE FOUNTAIN	4, 9, 10, 10A, 31	SYSTEM	1
	VORTEX GLOMIST POLE COOLING STATION	4, 1, 10A	EA	5
	PORTLAND LOO	6, 31	EA	1
	BASKETBALL COURT 65' X 109' SHELTER	12, 12A	EA	1
	LIGHTING AT BASKETBALL COURT SHELTER	13	LSUM	1
	24' x 24' SHELTER	12A, 14	EA	1
	12' x 12' SHELTER	12A, 15	EA	5
	SITE AMENITIES (DOG PLAY STRUCTURES)	19	LSUM	1
	SITE AMENITIES (DOGIPOT PET WASTE STATION)	19	EA	3
	SITE AMENITIES (DOG BONE BENCH)	23	EA	7
	SITE AMENITIES (BASKETBALL HOOPS)	29	EA	2
	SITE AMENITIES (PICKLEBALL POST AND NET SYSTEM)	28	EA	4
	SITE AMENITIES (72" BENCH WITH BACK AND ARMS)	20, 21	EA	25
	SITE AMENITIES (72" ADA PICNIC TABLE)	21, 22	EA	11
	SITE AMENITIES (U-RACK BICYCLE RACK)	25	EA	9
	SITE AMENITIES - DRINKING FOUNTAIN (MOST DEPENDABLE FOUNTAINS)	17	EA	1
	DURABOUND SURFACING SYSTEM	16	SF	2240
	14' HAWAII MODEL (HEX) SHADE UMBRELLA	24	EA	1
202(A)	UNCLASSIFIED EXCAVATION	32	CY	300
202(D)	UNCLASSIFIED BORROW	32	CY	300
202(H)	EARTHWORK	4, 33	LSUM	1
	INFILTRATION STRIP	57	CY	178
COT-832	SODDING	37, 38, E-10 (COT), E-11 (COT)	SF	529985
COT-831	LANDSCAPE (DECIDUOUS SHADE TREE)	26	EA	108
COT-831	LANDSCAPE (EVERGREEN TREE)	26	EA	23
COT-831	LANDSCAPE (ORNAMENTAL TREE)	26, 36	EA	34
SPEC TR-1	REMOVING TREES (CRAPE MYRTLES)	58	EA	6
SPEC TR-1	REMOVING TREES (9", 10", & 28")	58	EA	7
303(A)	AGGREGATE BASE - 4" THICK DRAINABLE AGGREGATE OR WASHED ROCK	35	CY	148
303(A)	AGGREGATE BASE TYPE A (DEPTH VARIES)	39, R-16, S-2 (COT)	CY	694
	DESERT GOLD SCREENINGS	40	SY	1972
	SLATE SCREENINGS	40	SY	4
	SANDSTONE BOULDERS	27	TON	60
412	COLD MILLING PAVEMENT	41, S-9 (COT)	SY	5478
411(B)	SUPERPAVE, TYPE S3(PG 70-28 OK) (NEW PARKING)	42, R-23, S-5 (COT), S-6 (COT), S-7 (COT)	TON	250
411(C)	SUPERPAVE, TYPE S4(PG 70-28 OK) (NEW PARKING)	42, R-23, S-5 (COT), S-6 (COT), S-7 (COT), S-8 (COT)	TON	125
411(C)	SUPERPAVE, TYPE S4(PG 76-28 OK) (OVERLAY)	41A, R-23, R-24, S-5 (COT), S-6 (COT), S-7 (COT), S-8 (COT)	TON	614
325	SEPARATOR FABRIC	S-3 (COT), S-4 (COT),	SY	5480
509(B)	CONCRETE STEPS (AT BASKETBALL COURT PLAZA)	47, 51	CY	12
510(E)	CLASS 'A' CONCRETE DECORATIVE SEATWALL (AT BASKETBALL COURT PLAZA)	30	LF	75
609	WHEEL STOP	56	EA	75
609(B)	CONCRETE CURB AND GUTTER	44	LF	2123
610(A)	CONCRETE FLUSH CURB	44	LF	680
610(A)	CONCRETE MOW STRIP	44	LF	409
610(A)	CONCRETE HEADER CURB	44	LF	36
610(A)	4" CONCRETE SIDEWALK (NO REINFORCEMENT)	48, R-1	SY	5424
610(A)	4" CONCRETE SIDEWALK (WITH REINFORCEMENT)	47, R-1	SY	2365
610(A)	4" CONCRETE, INTEGRAL COLOR (WITH REINFORCEMENT)	47, 54, 55, R-1	SY	174
610(A)	6" CONCRETE SIDEWALK	47, R-1	SY	226
610(B)	6" CONCRETE DRIVEWAY	47, R-1	SY	132
611(A)	MANHOLE (4' DIA.)	D-1, D-2, D-4, D-5	EA	1
611(G)	INLET (SMD-TYPE 1)	D-8, D-9, D-10	EA	1
613(A)	28"X18" R.C.PIPE ARCH CLASS A-III	D-8, D-12, D-13,	LF	306
613(L)	18" PREFAB.CULVERT END SEC., ROUND	D-14, D-15	EA	2
613(L)	28"X18" PREFAB. CULVERT END SEC., ARCH	D-8, D-9, D-10	EA	4
613(E)	15" CORRUGATED POLYPROPYLENE PIPE	D-14, D-17	LF	72
613(E)	18" CORRUGATED POLYPROPYLENE PIPE	D-14, D-15	LF	29
517	5" CONCRETE, POST TENSIONED (BASKETBALL COURT AND PICKLEBALL COURT)	43	SY	1674

JOHNSON PARK
PAY QUANTITIES - BASE BID CONTINUED

619(A)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS (EXISTING PLAYGROUND AND SWINGSSET)	58	LSUM	1
619(B)	REMOVAL OF EXISTING PLAYGROUND AND SWINGSSET BORDER	58, R-40, R-41	LF	281
619(B)	REMOVAL OF FENCE (CLF FOR BACKSTOPS AND BASEBALL FENCING)	58, R-40, R-41	LF	977
619(B)	REMOVAL OF CONCRETE PAVEMENT	58, 59, R-40, R-41	SY	5743
619(B)	REMOVAL OF ASPHALT PAVEMENT	58, 59, R-40, R-41	SY	2174
619(B)	REMOVAL OF EXISTING STRUCTURES (RESTROOM BUILDING)	58, R-40, R-41	LS	1
619(B)	REMOVAL OF PIPE RAILING AND ASSOCIATED FLUSH CURB (AT EXISTING PARKING LOT)	58, R-40, R-41	LF	657
619(B)	REMOVAL OF CURB	58, 59, R-40, R-41	LF	287
619(B)	REMOVAL OF EXISTING PIPE (15" REINFORCED CONCRETE PIPE WITH END SECTIONS)	58, R-40, R-41	LF	48
619(B)	REMOVAL OF BOLLARDS	58, R-40, R-41	EA	5
619(B)	REMOVAL OF WOODEN POSTS	58, R-40, R-41	EA	4
619(B)	REMOVAL OF EXISTING BENCHES	58	EA	12
619(B)	REMOVAL OF WATER FOUNTAIN	58, R-40, R-41	EA	2
619(B)	REMOVAL OF EXISTING BACKFLOW PREVENTER	58, R-40, R-41	EA	1
619(B)	REMOVAL OF EXISTING SPLASH PAD (COMPLETE)	58, 91, R-40, R-41	EA	1
619(B)	REMOVAL OF EXISTING UTILITIES (ELECTRICAL EQUIPMENT)	58, 92, R-40, R-41	LSUM	1
615(C)	2" SANITARY SEWER DRAIN LINE SDR 26, TRENCHED (DRINKING FOUNTAIN)	31	LF	30
615(C)	6" SANITARY SEWER DRAIN LINE SDR 26, TRENCHED	31	LF	710
616(F)	3" WATER METER, FEES AND INSTALLATION (COMPLETE)	67, 68	SYSTEM	1
616(M)	1" PEX WATERLINE, TRENCHED (TO VORTEX GLOMIST POLES)	67, 69	LF	55
616(M)	2" PEX WATERLINE, TRENCHED (TO PORTLAND LOO AND DRINKING FOUNTAIN)	67, 69	LF	488
616(M)	3" PEX WATERLINE, TRENCHED (TO VORTEX FOUNTAIN)	67, 69	LF	330
	CUSTOM ACRYLIC PAINT AND STRIPING (BASKETBALL COURT)	49, 50, 70, R-1	SYSTEM	1
	ACRYLIC PAINT AND STRIPING (PICKLEBALL COURTS)	50, 70, R-1	SYSTEM	1
	BASEBALL BACKSTOP	86, R-43	LSUM	1
624(E)	5' VINYL COATED CHAINLINK (DOG PARK FENCING)	86, R-43	LF	2567
624(E)	5' VINYL COATED CHAINLINK (PICKLEBALL BACKSTOPS)	86, R-43	LF	256
624(E)	4' VINYL COATED CHAINLINK (PICKLEBALL SIDESTOPS)	86, R-43	LF	175
624(H)	POST AND CABLE BARRIER		EA	1
802(B)	1" PVC SCH. 40 PLASTIC CONDUIT TRENCHED	45; 60, 69, TL-7	LF	1640
802(B)	1 1/2" PVC SCH. 40 PLASTIC CONDUIT TRENCHED	45, 60, 69, TL-7	LF	330
802(B)	2" PVC SCH. 40 PLASTIC CONDUIT TRENCHED	45, 60, 69, TL-7	LF	520
803(A)	PULL BOX SIZE III	45, 66	EA	7
805(D)	REMOVE AND RESET EXISTING SIGNS	82	EA	1
809	LITHONIA D-SERIES SIZE 1 (PARKING LOT LIGHT POLE)	45, 62	EA	10
809	GREENSHINE SOLAR LIGHT POLES	45, 63	EA	27
809	GREENSHINE SOLAR LIGHT POLES (SPORTS)	45, 63	EA	8
	APPLETON POWER PEDESTAL	45, 65	EA	2
	POWER PEDESTAL	61	EA	1
811	1/C NO.1/0 ELECT. COND.	45	LF	1560
811	1/C NO.6 ELECT. COND.	45	LF	640
811	1/C NO.8 ELECT. COND.	45	LF	5900
811	1/C NO.10 ELECT. COND.	45	LF	600
850(A)	SHEET ALUMINUM SIGNS	64, C-60, C-61	SF	40
851(C)	2 1/4" SQUARE TUBE POST	C-60, C-61	LF	84
856(A)	TRAFFIC STRIPE (PAINT, 4" WIDE, WHITE) - PARKING	70, 71, TS-24	LF	3613
856(A)	TRAFFIC STRIPE (PAINT, 8" WIDE, WHITE) - PARKING CROSSWALKS	70, 71, TS-26	LF	1054
856(B)	TRAFFIC STRIPE (PAINT) (SYMBOLS) - HANDICAP	70, 71	EA	7
880(J)	CONSTRUCTION TRAFFIC CONTROL	T-1, T-2, T-3, T-4, T-5, T-6	LSUM	1
COT-304	CONSTRUCTION STAKING LEVEL II / SURVEY	72	EA	1
SPEC OA-1	OWNERS ALLOWANCE	74	ALLOW	1
220	SWPPP DOCUMENTATION AND MANAGEMENT	80	LSUM	1
COT-303	GENERAL CONDITIONS / MOBILIZATION	73, 75, 76, 77, 78, 79, 81	LOT	1



REVISION		BY	DATE

DRAWN	LPCI	DEC 2024
DESIGNED	LPCI	DEC 2024
SURVEY	FLS	APR 2024
PROJ. MGR.	EL	12/10/25
LEAD ENGR.	EL	12/25
FIELD MGR.	EL	12/11/25

PROJECT # SP 21-6 FRED JOHNSON PARK REHABILITATION CITY OF TULSA, OKLAHOMA DEPARTMENT OF CITY EXPERIENCE	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23RD TULSA, OK 74107 918-694-5464	
PAY QUANTITIES SHEET 1 OF 119	

JOHNSON PARK
PAY QUANTITIES ADD ALTERNATES 1-5

ADDITIVE ALTERNATE #1: SKATE PARK / ART FEATURE

SPEC NUM	DESCRIPTION	PAY NOTES	UNITS	QUAN.
202(H)	EARTHWORK	m	LSUM	1
	SKATEPARK / ART FEATURE (TUL)	85, 87, R-1	LSUM	1
	SMALL SKATE FEATURES ALONG SKATE LOOP	85, 87, R-1	LSUM	1
COT-831	LANDSCAPE (DECIDUOUS SHADE TREE)	26	EA	6
COT-831	LANDSCAPE (ORNAMENTAL TREE)	26, 36	EA	23
COT-832	SODDING	37, 38, E-10 (COT), E-11 (COT)	SF	96284
	6" LED IN-GRADE FIXTURE	53	LSUM	3
	2" PVC SCH. 40 PLASTIC CONDUIT TRENCHED	45, 60, 69, TL-3, TL-7	LF	800
	1/C NO.4 ELECT. COND.	45	LF	2400

ADDITIVE ALTERNATE #2: POLYCARBONATE SKYLIGHTS IN BASKETBALL SHELTER

SPEC NUM	DESCRIPTION	PAY NOTES	UNITS	QUAN.
	POLYCARBONATE SKYLIGHTS IN BASKETBALL SHELTER	12A, 89	LSUM	1

ADDITIVE ALTERNATE #3: SWING AREA

SPEC NUM	DESCRIPTION	PAY NOTES	UNITS	QUAN.
	SWING SET EQUIPMENT & INSTALLATION (BY ACS)	2, 5	EA	2
	ARTIFICIAL TURF PLAYGROUND SURFACING	5, 7	SF	1789
303(A)	AGGREGATE BASE - 4" THICK DRAINABLE AGGREGATE OR WASHED ROCK	88	CY	22
610(A)	CONCRETE FLUSH CURB	44	LF	99

ADDITIVE ALTERNATE #4: DURATHERM DECORATIVE ASPHALT TREATMENT

SPEC NUM	DESCRIPTION	PAY NOTES	UNITS	QUAN.
	DURATHERM ASPHALT TREATMENT	83	SF	4500

ADDITIVE ALTERNATE #5: BOMANITE CONCRETE TOPPING SYSTEM

SPEC NUM	DESCRIPTION	PAY NOTES	UNITS	QUAN.
	CONCRETE GAMES @ PLAYGROUND AND DOG PARK ENTRANCE	90	SF	1800

JOHNSON PARK
PAY QUANTITY NOTES

- Unit price bid shall include furnishing and installation of each Vortex Glomist pole as specified in the plans and details, including but not limited to: all equipment, drain inlet and grate, drain pipe, all plumbing and wiring required, including all incidentals for functional Glomist poles. See plan sheet 47 and detail sheets 118, PE-002, CO-001, A-002, and sheet E003 for extent of work.
- Unit price bid includes coordinating the supervision and installation of the Landscape Structures Inc. playground equipment by a certified installer (ACS) per the manufacturer's recommendations. The excavation, concrete, and aggregate required for the installation of all equipment footings are considered incidental and are included in the cost of the pay item.
- The manufacturer will provide the final layout and position of equipment footings on site. See sheet 49 and detail D/91 for plan view of the equipment layout.
- All general site preparation and grading in order to achieve proposed elevations shall be included in the lump sum bid for Earthwork.
- Cost for the playground underdrain system including: 6" drainline, washed rock, fabric, and end treatments is considered incidental to the overall cost of playground equipment installation and shall not be paid for separately. Refer to detail sheet 79.
- Unit price bid includes procurement, shipping, and installation of the Portland Loo restroom, including footing, slab and floor drain in accordance with manufacturer's written instructions, drawings, and specifications. Includes all utility connections necessary to complete restroom installation through footing/slab and complete floor drain system. Contractor shall meet all applicable plumbing codes. Refer to manufacturer's shop drawings for all incidental and related items. Contractor shall install floor drain at finished grade to capture water from interior restroom maintenance activities - slab shall slope accordingly to the drain location. Slab shall be constructed with ADA compliant slopes. Refer to detail sheet 100.
- Artificial turf for the playground area shall be either Shaw GB-043 PLA 50 1 1/2" (olive) with 2" Brock cushion or Shaw GB-043 2" (lime) with 2" Brock cushion (or approved equal) depending on location. Refer to detail D/91 & detail D/79 for more information.

PAY QUANTITY NOTES - CONTINUED

- The artificial turf berms shall be constructed to the elevations and grades as shown in the plans and details. Refer to detail sheets 95-99. Sections are not provided for playground berms.

Unit price bid includes placement of a 1/2" concrete slurry layer over the top of all shaped and compacted aggregate base prior to the installation of turf. Concrete slurry shall be considered incidental to the cost for this item. Artificial turf shall be Shaw GB-043 PLA 50 1 1/2" (olive) with 1/2" Brock cushion (or approved equal).
- Unit price bid shall include furnishing and installation of all interactive fountain equipment and associated items as specified in the plans and details including but not limited to: Vortex vault, controller, command center, drain inlet and grate, drain pipe, couplers and all incidentals; cost shall include all plumbing and all electrical required for a complete and functional system. Includes valves, activator, in-ground sprays and nozzles. See detail B/76, sheet 119, A-002, PE-001, CP-001 and E-003 for extent of work.
- Unit price bid includes all incidental excavation, trenching or earthwork required to achieve subgrade elevations for the construction of the piping, variations in pavement thickness, drainage and the installation of spray nozzles, vault, and equipment footings. Additionally, pipe pressure and equipment testing and/or adjustments shall be completed prior to final approval. Pipe installation for the splash pad shall include all filter sand bedding material as required by the City of Tulsa Specifications for pipe bedding.
- Equipment manufacturer's representative shall submit drawings signed and sealed by an Oklahoma engineer for approval by Landscape Architect and Owner. Equipment shall be Vortex or pre-approved equal. Contact Craig Hamelin at Power Play, 918/728-9978 or chamelin@cox.net. All plumbing and electrical work must be completed by a licensed professional from the state of Oklahoma and credentials must be provided during the submittal phase of the project for approval. To demonstrate qualifications for interactive fountain and cooling station construction and equipment installation, each bidder must provide acceptable and detailed written and photograph evidence including owner contact information of completed construction of a minimum of (5) similar projects with bid submittal.
- Artificial turf shall be Shaw GB-043 PLA 50 1 1/2" (lime) without a cushion (or approved equal). See sheets 47.

PAY QUANTITY NOTES - CONTINUED

- Contact Cheryl Sumners w/ Play by Design 918-809-2293. Artificial turf shall be installed per manufacturer's recommendations. Composite nailer board shall be used at all edges of artificial turf and shall be considered incidental to the cost of this item.
- Basketball court shelter shall be a 65'x109' Split-Top Gable by Coverworx Recreational Architecture (or approved equal). Unit price bid includes all incidental excavation, or earthwork required to achieve subgrade elevations for the construction of the structure footings and slab preparation. Colors for the structural framing and roof panels shall be determined with submittal. Construction of the structure shall be in accordance with the manufacturer's specifications and recommendations. Refer to shelter detail, sheet 112.
- Contact Cheryl Sumners with Play by Design at (918) 809-2293 or cheryl@playbydesigninc.com for complete ordering information and specification.
- Unit price bid shall include complete the installation of the basketball shade structure lighting. Cost includes all conduit and conductor run along structure frame and shall be coordinated with the shelter manufacturer to optimize routing. See Electrical Plan (E1-E3) for light manufacturer and specifications. Includes testing, compliance with all electrical codes, and all work shall be completed by a licensed electrician.
- Shelter structure shall be a 24'x24' Split-Top Gable by Coverworx Recreational Architecture (or approved equal). Refer to sheet 114 in the plans. Unit price bid includes all incidental excavation, or earthwork required to achieve subgrade elevations for the construction of the structure footings and slab preparation. Colors for the structural framing and roof panels shall be determined with submittal. Contractor shall construct all shade structures in accordance with the manufacturer's specifications and recommendations.
- Shelter structure shall be a 12'x12' Split-Top Gable by Coverworx Recreational Architecture (or approved equal). Refer to sheet 115 in the plans. Unit price bid includes all incidental excavation, or earthwork required to achieve subgrade elevations for the construction of the structure footings and slab preparation. Colors for the structural framing and roof panels shall be determined with submittal. Contractor shall construct all shade structures in accordance with the manufacturer's specifications and recommendations.
- Rubberized Mulch shall be the DuraBound Surfacing System by DuraPlay Safety Surfaces (or approved equal) and installed at a depth of 4". The rubberized mulch shall be a consistent mix of colors at the ratio of 25% red, 25% brown, and 50% green. Refer to detail D/75 for additional information.
- Unit price bid shall be full compensation for the complete installation of a functional water fountain in the location shown in the plans. Model 10145SMFA from Most Dependable Fountains, Inc (or approved equal). Color to be determined by the City. Installation of the fountain to be completed in accordance with the manufacturer's specifications. All plumbing shall be completed by a licensed plumber from the State of Oklahoma. Contact Most Dependable Fountains, Inc - phone: (901) 867-0039 or www.mostdependable.com for ordering information. Functionality of the fountain system and drain must be verified and approved by the City prior to final payment. See pay item 4" Non-Perforated Sanitary Sewer Drain Line SDR 26 Trenched for drain line installation. Includes all items shown in the plans and details (refer to detail A/76) for a complete system.
- BY CITY OF TULSA PARKS DEPARTMENT.
- Unit price bid shall be for purchase and complete installation of all dog park play features and waste stations identified in the plan enlargement, detail A/103 and the Dog Park Play Structures Schedule, sheet 104. Includes (1) Fire Hydrant, (1) Grooming Table, (1) Dog Walk, (1) set of Stepping Paws, and (1) Cozy Companion. In addition, this pay item includes (3) Dogipot Waste Stations.
- Unit price bid shall be for the purchase and installation of Tangent Technologies Park Scape Series: 72" Bench with Back and Arms, Model 1501, surface mount, with tamper proof bolts "OR EQUAL". Color: Black frame with cedar slats. Refer to sheet 101.
- Contact Tron Nasers with Tangent Technologies at 1-507-329-0292 or visit tangentmaterials.com for complete ordering information.
- Unit price bid shall be for the purchase and installation of Tangent Technologies Park Scape Series 72" ADA Picnic Table, Model 1701, surface mount with tamper proof bolts "OR EQUAL". Color: Black frame with cedar slats. Refer to sheet 101.
- Unit price bid shall be for purchase and complete installation of (7) dog bone benches (detail B/105). See Dog Park Amenities Schedule, sheet 104 for ordering information.
- Unit price bid shall be for the purchase and complete installation of the CRS Inc. 14' Hawaii Model (Hex) shade structure. Refer to sheet 90 in the plans for additional information. Includes all incidental subgrade excavation, preparation and construction of concrete caisson footing as required by the manufacturer. Requirements and dimensions for the footings shall be approved by a structural engineer from the state of Oklahoma and submitted to the City of Tulsa field engineering prior to installation of the shade structure. The City of Tulsa shall determine the powder coating color for the structure and roofing panels.
- Unit price bid shall be for the purchase and installation in concrete slab of (3) Cycle Safe: Classic Bike U-Rack, Model 12707, in-ground mount, no accessory "OR EQUAL" at each bike rack location. Color: powder coat - RAL 9017. Contact Cycle Safe at 1-816-954-9977 or visit cyclesafe.com for complete ordering information. Refer to detail sheet 101.
- Unit price bid includes all soil amendments, mulch, and incidentals to complete installation of all plant material. See Planting Plan sheets 39-46 and sheet 117 for plant list, schedules, sizes, and conditions. Coordinate staking of trees with size and species with the Landscape Architect prior to installation. Includes all necessary temporary watering to maintain plant health until project completion.

PAY QUANTITY NOTES - CONTINUED

- Unit price bid shall be for the purchase, shipping, and installation of sandstone boulders. Boulders weighing approximately 1 ton approximately 2'-6" x 3'-6" x 1'-6" for rest areas shall be an average or typical sizing. Boulder shall be approved by Landscape Architect prior to placement. See details B/82 for installation.
- Unit price bid for each post/net system shall include the purchase and installation of two (2) black Douglas Pickleball Premier XS Posts with brass gears and corresponding 24" aluminum ground sleeves. The item # for the posts is 63075BR and 63171 for the aluminum ground sleeves. Unit price bid shall also include the purchase and installation of one (1) Douglas JTN-30 Pickleball Net. The item # for the net is 20105. Contact Douglas Sports at 1-800-553-8907 or at sales@douglas-sports.com for complete ordering information. Refer to sheet 89.
- Unit price bid includes the purchase and complete installation of (2) Brute Series, Basketball Goals by First Team Sports, Inc (or approved equal), one installed at each end of the sports court as shown in the plans (see detail B/86). Includes all materials and items specified by the manufacturer for complete assembly of the (2) basketball goals. Includes excavation and all material for a 20" diameter X 48" depth class 'a' concrete footing in each location. Contact Tom Nicotera 877-272-5430 or www.InstitutionalBasketballSystems.com for ordering and other delivery and mounting instructions. Contractor shall stake location of footing/post location for approval by the field engineer and Landscape Architect prior to excavation.
- Unit bid price includes construction of the 8" thick class 'A' pour in place concrete seat walls and footings near the basketball plaza (see sheet 93 and 94). Includes all excavation and preparation of all footing subgrade and the cost of full installation of all items as shown in the details. Provide a smooth off-the-form finish (typ.) in accordance with the American Concrete Institute's Standard Specifications for structural concrete; no parge coating will be accepted for concrete honeycombing or unsatisfactory workmanship. A 4' long sample section of concrete shall be poured and will be required for submittal / approval prior to installation of final seat walls. Photos of previous work examples may be submitted in lieu of sample wall for approval.
- All sanitary sewer line installation shall comply with all City of Tulsa standards, codes, and recommendations. Work shall be completed by an Oklahoma licensed plumber. Portland Loo and interactive fountain drain pipe installation includes all trenching, excavation, bedding material, dewatering, and incidentals to complete the installation from the Portland Loo and splash pad inlets to the existing sanitary sewer line on the north end of the project - (contractor shall utilize a two-ply diaper consisting of a Typar synthetic fabric layer with a 1/4" closed cell foam lining at the point of connection and shall be considered incidental to the cost of this pay item). Includes all fittings and cleanouts associated with the complete drainage system. All pipe shall be installed upon a 4" (min.) sand bed. Upon completion of the drain line construction, the drain line must be digitally video cammed by the contractor with the field inspector present to verify there is no blockage and the system is clean. Clean outs shall be installed every 100' of these drain lines and the costs for the clean outs shall be considered incidental. Splash pad drains and all cleanouts must remain plugged during construction. See sanitary plans.
- CONTINGENCY ONLY ITEM. This pay item will be utilized only if unstable subgrade is encountered and must be approved by the City of Tulsa engineer. See General Construction Note regarding contingency items.
- Unit price bid includes all combined general earthwork quantities for Fred Johnson Park and associated construction as based on the Civil Grading Plans, Enlargements and Profile sheets 53-70 and are as follows: **8,840 CY** of cut with **7,090 CY** (estimated quantity for fill material includes a compaction factor of 15%). Refer to general construction notes concerning excavation and borrow. The finished ground shall be left in a parklike and maintainable condition. No excavated material may be stored within the 100 year floodplain.
- Unit price bid includes all general earthwork to complete the required fill per plan for Add Alternate #1 amenities. Estimated quantity for fill material (includes a compaction factor of 15%) is **2,322 CY**.
- Unit price bid shall be for the complete installation of a 4" thick washed rock or drainable aggregate layer wrapped with fabric in the locations shown in the plans relating to artificial turf installation or DuraBound surfacing. Quantities are as follows: playground installation (94 CY), artificial turf installation adjacent to the basketball facility (14 CY), in locations associated with the DuraBound Surfacing System (18 CY). Refer to sheet 91 and details D/75 and D/79.
- Unit price bid includes all mulch required for the parking islands, associated with the ornamental tree plantings, shown on sheet 42



PROJECT # SP 21-6	
FRED JOHNSON PARK REHABILITATION	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF CITY EXPERIENCE	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23RD TULSA, OK 74107 918-584-6404	
REVISION	BY DATE
DRAWN	LPCI DEC 2004
DESIGNED	LPCI DEC 2004
SURVEY	FLS APR 2004
INSTR. MGR.	SL 8/10/05
LEAD ENGR.	OK 12/25
FIELD MGR.	SL 1/26
PAY QUANTITIES AND PAY NOTES	
SHEET 2 OF 119	

C-60 The stations and locations of the sign placement, as shown on the plan sheets, are approximate. Exact stations and locations shall be determined by the contractor so that the sign is installed in accordance with department standards and the MUTCD in order to provide optimum visibility to the oncoming/approaching motorist. If a proposed location conflicts with other signs, utilities or other roadway features, the Landscape Architect shall be notified.

F-13 Measurement will be based on the theoretical cross section shown on the typical section, multiplied by the actual length.

R-16 Payment for this item will be the theoretical cross section multiplied by the installed length.

R-24 Price bid to include cost of **408** gallons of tack coat, meeting the requirements of Section 407 of the 2019 ODOT Standard Specifications.

R-41 Materials removed shall not be measured for payment under section 202.06 Unclassified Excavation.

R-8 Price bid to include cost of all necessary maintenance, maintaining device in proper upright position, removal of device, and removal of sediment when it reaches half the height of the device.

T-2 ReflectORIZED sheeting on signs and barricades shall be of a cubic prismatic type and shall meet the specifications established for ASTM D 4956-01 type IX retroflected sheeting. ReflectORIZED sheeting on drums and tube channelizers shall be of a high-intensity type and shall meet the specifications established for ASTM D 4956-01 type III retroflected sheeting.

multi-polymer paint (use on concrete pavement). multi-polymer pavement markings shall only be applied 30 days after paving when pavement surface temperature exceeds 40°F for all of the six hours prior to installation with a minimum wind chill temperature of 35°F. price bid to include flex tabs or like kind for post construction lane marking/separation.

T-5 If warning lights are to be used on traffic control devices, type "a" lights shall only be used on devices warning of unexpected hazards, and shall not be used for delineation of the traveled way.
only type "c" warning lights shall be used for delineation of the traveled way, and type "c" lights shall not be used for any other purpose.

* Contractor shall not utilize or request payment for any item listed as "contingency only" in the pay notes without written approval. The Contractor shall utilize an RFI form to communicate or request the use of a contingency item and must receive a written approval prior to commencing work.



TELEVISION	BY	DATE	DRAWN	LPCD	DEC 2024	
			DESIGNED	LPCD	DEC 2024	
			SURVEY	FLS	APR 2024	
			PROJ. MGR.	SL	12/10/25	
			LEAD ENGR.	FLS	12/25	
			FIELD MGR.	FLS	1/26	
PAY NOTES (01)						SHEET 4 OF 119

GENERAL CONSTRUCTION NOTES

1.

ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE 2019 OKLAHOMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AS ADOPTED BY CITY OF TULSA AND THE CURRENT CITY OF TULSA ENGINEERING SERVICES DEPARTMENT'S STANDARD SPECIFICATIONS AND STANDARD DETAILS AND STANDARD DRAWINGS AND CITY OF TULSA SPECIAL PROVISIONS.
2.

THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS GOVERNING SAFETY, HEALTH AND SANITATION. THE CONTRACTOR SHALL PROVIDE ALL SAFEGUARDS, SAFETY DEVICES AND PROTECTIVE EQUIPMENT, AND TAKE ANY OTHER NEEDED ACTION ON AS HIS OWN RESPONSIBILITY OR AS THE ENGINEER MAY DETERMINE REASONABLY NECESSARY TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACT.
3.

PAY ITEMS SHALL BE AS SPECIFIED ON THE CITY OF TULSA OR ON THE ODOT STANDARD DRAWINGS EXCEPT AS MODIFIED BY THE CONTRACT.
4.

THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT RESULT FROM HIS FAILURE TO LOCATE AND PRESERVE ANY AND ALL UTILITIES.
5.

THE LOCATIONS OF THE UTILITIES ARE SHOWN ACCORDING TO ALL AVAILABLE INFORMATION. THE CONTRACTOR SHALL NOTIFY EACH UTILITY OWNER PRIOR TO COMMENCEMENT OF WORK TO VERIFY BOTH HORIZONTAL AND VERTICAL LOCATIONS. THE FOLLOWING IS A LIST OF UTILITY OWNERS AT&T, PUBLIC SERVICE COMPANY OF OKLAHOMA (AEP), OKLAHOMA NATURAL GAS (ONG), COX COMMUNICATIONS, MCI/VERIZON, EASYTEL COMMUNICATIONS, WELLSCO VALLOR TELECOM, CITY OF TULSA-WATER AND SEWER, CITY OF TULSA-TRAFFIC OPERATIONS. SEE TITLE SHEET FOR CONTACT INFORMATION.
6.

THE CONTRACTOR SHALL GIVE THE NOTIFICATION CENTER OF OKLAHOMA ONE-CALL SYSTEM, INC. NOTICE OF ANY EXCAVATION NO SOONER THAN TEN DAYS NOR LATER THAN 48 HOURS , EXCLUDING SATURDAYS, SUNDAYS AND LEGAL HOLIDAYS, PRIOR TO THE COMMENCEMENT OF WORK. PHONE 1-800-522-6543.
7.

THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PREVENT EXCESS MOISTURE FROM INCLEMENT WEATHER OR OTHER SOURCES FROM ENTERING ANY STREET EXCAVATION. IF EXCESS MOISTURE DOES ENTER THE EXCAVATION THROUGH THE NEGLIGENCE OF THE CONTRACTOR AND THE ADJOINING PAVEMENT IS ADVERSELY EFFECTED BY THE EXCESS MOISTURE, THE CONTRACTOR SHALL REPLACE THE ADJOINING PAVEMENT AND SUBBASE AT HIS SOLE EXPENSE.
8.

THE CONTRACTOR SHALL PRESERVE THE INTEGRITY OF THE SANITARY SEWER STRUCTURES AND ALL OTHER UTILITY STRUCTURES WITHIN THE PROJECT EXTENTS.
9.

THE CONTRACTOR SHALL WORK IN COOPERATION WITH THE CITY OF TULSA TO ESTABLISH, INSTALL, MAINTAIN, AND OPERATE COMPLETE, ADEQUATE, AND SAFE TRAFFIC CONTROLS DURING THE ENTIRE CONSTRUCTION PERIOD. ALL FLAGMEN, BARRICADES, AND TRAFFIC CONTROL DEVICES SHALL BE APPROVED BY THE FIELD ENGINEERING REPRESENTATIVE.
10.

CONSTRUCTION SIGNAGE WILL BE INSTALLED IN A MANNER APPROVED BY THE ENGINEER, IN ACCORDANCE WITH CHAPTER VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT ADDITION, AND APPLICABLE ODOT STANDARD DRAWINGS. THE CONTRACTOR SHALL PROVIDE A PROPOSED TRAFFIC CONTROL PLAN FOR APPROVAL BY THE ENGINEER PRIOR TO BEGINNING WORK.
11.

THE CONTRACTOR SHALL NOTIFY THE CITY OF TULSA FIELD ENGINEERING, 918-596-9404, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK OR PRIOR TO REMOVING TRAFFIC SIGNS.
12.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ALL EXISTING TRAFFIC SIGNS AND MARKINGS REMOVED OR DAMAGED AS LISTED IN THE SIGNAGE SCHEDULE FOR THE PROJECT. ALL SIGNS AND POLES PROVIDED SHALL BE NEW AND UNDAMAGED AND SHALL MEET THE REQUIREMENTS OF COT SPECIFICATION 608 TRAFFIC SIGNS. ALL TRAFFIC MATERIALS REMOVED SHALL BE HANDLED PER COT SPECIFICATION 625 REMOVAL OF TRAFFIC ITEMS.
13.

THE CONTRACTOR WILL BE RESPONSIBLE FOR PREPARATION AND DISTRIBUTION OF A WRITTEN NOTICE TO RESIDENTS 48 HOURS PRIOR TO BEGINNING PAVEMENT REMOVAL AND MILLING AND OVERLAY OPERATIONS.
14.

LOCAL AND THROUGH TRAFFIC SHALL BE MAINTAINED THROUGH THE PROJECT AT ALL TIMES.
15.

ALL PUBLIC AND PRIVATE STREETS AND DRIVES SHALL BE ACCESSIBLE AT ALL TIMES.
16.

ALL BROKEN CONCRETE, WASTE MATERIAL, AND OTHER DEBRIS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE LIMITS OF THE PROJECT AND DISPOSED OF IN A MANNER APPROVED BY THE ENGINEER. NO ADDITIONAL PAYMENT WILL BE MADE FOR THE DISPOSAL OF THIS MATERIAL.
17.

ALL EXCAVATED MATERIAL NOT REQUIRED IN THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN A MANNER ACCEPTABLE TO THE ENGINEER WITHOUT COST TO THE CITY. THE CONTRACTOR WILL BE REQUIRED TO OBTAIN AN EARTH CHANGE PERMIT IF ANY MATERIAL IS STORED ON THE PROJECT SITE AND/OR DISPOSED OF WITHIN THE CITY LIMITS.
18.

ALL TREES, BRUSH AND OTHER DEBRIS THAT MIGHT INTERFERE WITH THE FLOW OF WATER IS TO BE CLEANED OUT TO THE RIGHT-OF-WAY LINE IN A MANNER APPROVED BY THE ENGINEER. ALL COST TO BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF WORK. TREES OUTSIDE THE FILL SLOPES AND THE TOP OF CUT SLOPES SHALL NOT BE DISTURBED EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.
19.

WHERE MATERIALS ARE TRANSPORTED IN THE PROSECUTION OF WORK, VEHICLES SHALL NOT BE LOADED BEYOND THE CAPACITY RECOMMENDED BY THE VEHICLE MANUFACTURER OR AS PRESCRIBED BY ANY FEDERAL, STATE OR LOCAL LAW OR REGULATION.
20.

ANY DAMAGE TO THE ROADWAY PAVEMENT, CURB, DRIVEWAYS OR SIDEWALK CAUSED BY THE CONTRACTOR'S OPERATION SHALL BE REPAIRED TO THE ENGINEER'S SATISFACTION AND SHALL BE ACCOMPLISHED AT THE CONTRACTOR'S SOLE EXPENSE. ALL DISTURBED ITEMS SHALL BE REPAIRED TO MATCH EXISTING MATERIALS AND PATTERNING.
21.

IF THE CONTRACTOR ENCOUNTERS VOIDS WHEN PATCHING STREETS, THE CONTRACTOR SHALL CALL FIELD ENGINEERING AT 918-596-7814 FOR AN INSPECTION BEFORE PROCEEDING WITH WORK.

22.

THE PROJECT SHALL BE CONSTRUCTED WITH CONTINUOUS FLOW OF MATERIAL SUPPLIED TO THE PROJECT SUCH THAT THE LAYDOWN MACHINE WILL REMAIN IN MOTION. ANY DELAY IN FORWARD PROGRESSION OF THE LAYDOWN MACHINE MAY REQUIRE A TRANSVERSE JOINT AS DIRECTED BY THE ENGINEER.
23.

NO FLY ASH IS ALLOWED TO BE USED ON THIS PROJECT.
24.

PHYSICAL TESTING FOR QUALITY ASSURANCE SHALL BE FURNISHED BY THE CITY.
25.

CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY QUALITY CONTROL TESTING TO ENSURE THAT PROJECT REQUIREMENTS ARE MET.
26.

MASONRY STRUCTURES SHALL NOT BE CONSTRUCTED WITHIN THE STREET RIGHT-OF-WAY.
27.

ALL CONCRETE CURB AND GUTTERS SHALL BE MONOLITHIC POURS. DOWELED-ON CURBS WILL NOT BE ALLOWED.
28.

NO LIFTING HOLES WILL BE ALLOWED ON ANY REINFORCED CONCRETE PIPES OR REINFORCED CONCRETE BOXES.
29.

CURB RAMP CONSTRUCTION SHALL COMPLY WITH THE CURRENT AMERICANS WITH DISABILITIES ACT STANDARDS.
30.

REFLECTORIZED SHEETING ON SIGNS AND BARRICADES SHALL BE OF A CUBIC PRISMATIC TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE IX RETROREFLECTIVE SHEETING. REFLECTORIZED SHEETING ON DRUMS AND TUBE CHANNELIZERS SHALL BE OF A HIGH-INTENSITY TYPE AND SHALL MEET THE SPECIFICATIONS ESTABLISHED FOR ASTM D 4956-01 TYPE III RETROREFLECTIVE SHEETING.
31.

ALL SANITARY AND STORM SEWER MANHOLE CASTINGS AND LIDS THAT ARE LOCATED IN THE STREET AND ARE DISTURBED BY THE CONTRACTOR SHALL BE REPLACED WITH NEW LIDS AND CASTINGS AND THE OLD ONES SHALL BE SALVAGED AND DELIVERED TO THE METAL RECYCLE BINS IN THE STOCKROOM AREA AT SEWER OPERATIONS AND MAINTENANCE, 9319 E. 42ND STREET NORTH, BETWEEN THE HOURS OF 7:30 AM AND 3:00 PM MONDAY THROUGH FRIDAY.
32.

THE SIGN PLACEMENT STATIONING AND LOCATIONS SHOWN ON THE PLAN SHEETS AND SUMMARY SHEETS ARE APPROXIMATE. EXACT STATIONING AND LOCATIONS SHALL BE VERIFIED BY THE CONTRACTOR SO THAT THE SIGN IS INSTALLED IN ACCORDANCE WITH CITY OF TULSA STANDARDS, CURRENT AMERICANS WITH DISABILITIES ACT STANDARDS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES IN ORDER TO PROVIDE OPTIMUM VISIBILITY TO THE ONCOMING/APPROACHING MOTORIST. IF A PROPOSED LOCATION CONFLICTS WITH OTHER SIGNS, UTILITIES, OR OTHER ROADWAY FEATURES, THE ENGINEER SHALL BE NOTIFIED.
33.

POST LENGTHS SHOWN ON SIGN SUMMARY ARE APPROXIMATE. EXACT LENGTHS SHALL BE DETERMINED BY A FIELD SURVEY CONDUCTED BY THE CONTRACTOR.
34.

ALL ASPHALT STREETS THAT ARE TO BE RECONSTRUCTED SHALL BE LEFT WITH A DRIVABLE SURFACE AT ALL TIMES. THE CONTRACTOR WILL NOT BE ALLOWED TO MILL OFF ALL THE ASPHALT BEFORE EXCAVATION BEGINS.
35.

THE CONTRACTOR SHALL REPLACE ANY SECTION CORNERS OR OTHER PERMANENT RIGHT OF WAY MARKERS REMOVED OR DISTURBED AS A RESULT OF THE CONSTRUCTION OF THIS PROJECT. REPLACEMENT OF SECTION CORNERS OR ANY OTHER MONUMENTS SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR AUTHORIZED TO PERFORM WORK IN THE STATE OF OKLAHOMA.
36.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL AND MAINTENANCE OF THE STORMWATER DRAINAGE. STORMWATER PONDING ON THE CONSTRUCTION SITE THAT IS THE RESULT OF CONSTRUCTION WILL NOT BE ALLOWED.
37.

STRAW OR HAY BALES AS STORMWATER BEST MANAGEMENT PRACTICES ARE NO LONGER ALLOWED ON CONSTRUCTION PROJECTS.
38.

THE CONTRACTOR MUST CALL 1-800-458-4251 IMMEDIATELY IF A NATURAL GAS PIPELINE IS CUT, DAMAGED, OR OTHERWISE DISTURBED.
39.

PRIOR TO FINAL ACCEPTANCE, ALL EXPOSED CURB SURFACES SHALL BE CLEANED OF ALL DICOLORATION SUCH AS ASPHALT STAIN, TIRE MARKS, OR OTHER DISFIGUREMENT.
40.

ALL FEATURES OF THIS PROJECT INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, CURB RAMPS, AND CROSSWALKS SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT, ACCESSIBILITY GUIDELINES, AND THE PROPOSED ACCESSIBILITY GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY, PUBLISHED ON JULY 26, 2011 BY THE U.S. ACCESS BOARD. WHERE SPATIAL LIMITATIONS OR EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH THIS ACT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURES. THE CONTRACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK, WHICH IS NOT IN FULL COMPLIANCE WITH THE ADA WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER. ANY WORK WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF THE ADA, FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL, SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
41.

ALL TRENCH WIDTHS & BEDDING MATERIAL SHALL BE AS SHOWN ON COT STANDARD PIPE BEDDING DETAIL, STANDARD NO. 751. SPECIFIED TRENCH WIDTHS SHALL BE MAINTAINED FULL DEPTH FROM THE FLOWLINE TO THE GRADING TEMPLATE. THE CONTRACTOR SHALL KEEP THE OPEN TRENCH DRAINED.
42.

THE CONTRACTOR SHALL NOTIFY THE METROPOLITAN TULSA TRANSIT AUTHORITY (MTTA), ERIC SMITH 918-830-0024, A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK, LANE CLOSURES OR PRIOR TO DETOURING TRAFFIC.
43.

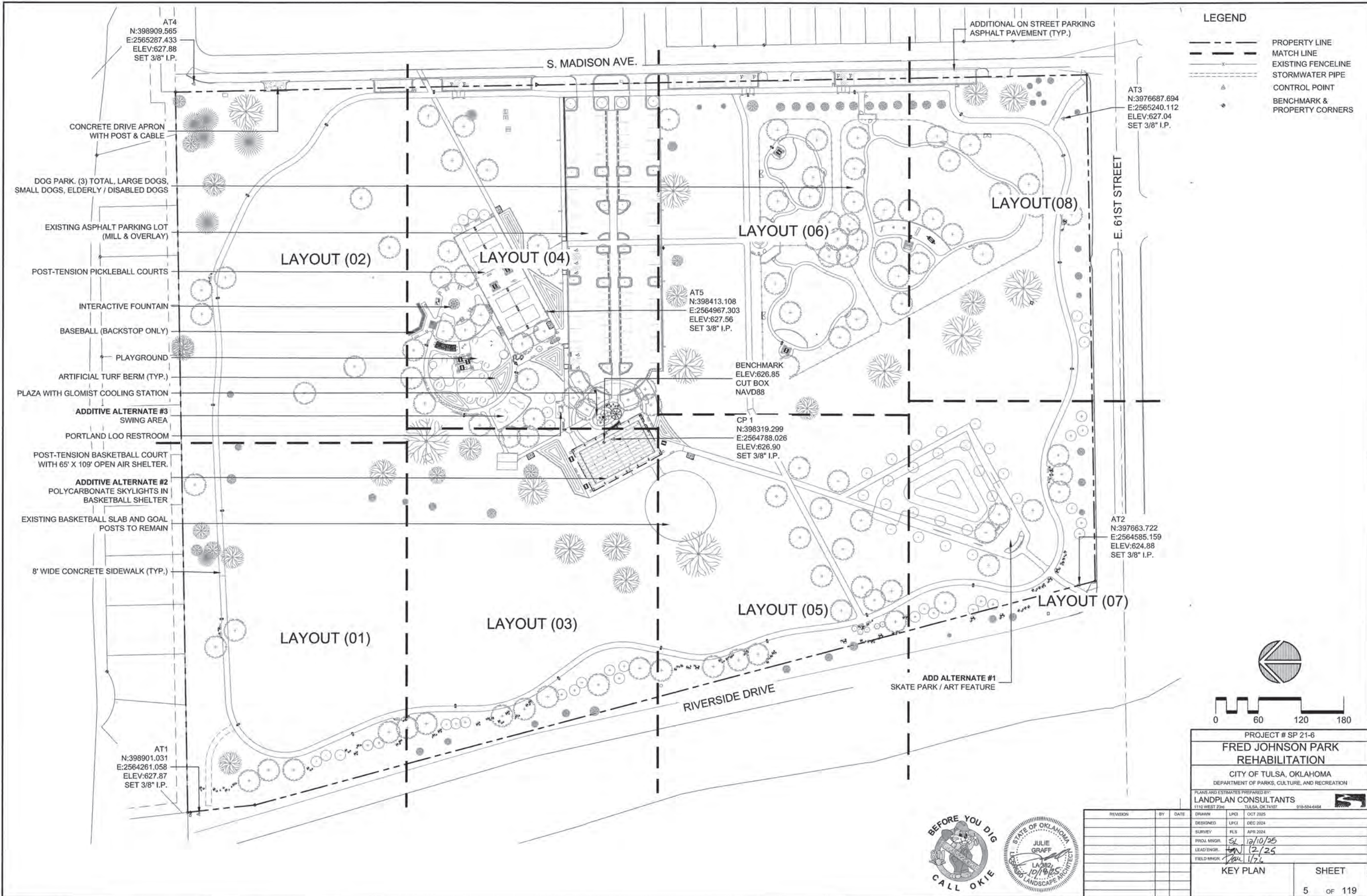
CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIALS IN THE FLOODPLAIN.



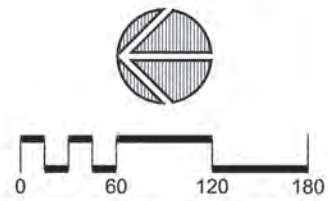
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				DESIGNED	UPCI	DEC 2024
				SURVEY	TLS	APR 2024
				PROJ. MGR.	SL	12/10/25
				LEAD ENGR.	SL	12/25
				FIELD MGR.	SL	1/2

PAY NOTES (02)		SHEET
		4B OF 119

PROJECT # SP 21-6	
FRED JOHNSON PARK REHABILITATION	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF CITY EXPERIENCE	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23RD TULSA, OK 74107 918-584-6064	
DRAWN BY: [Signature]	
CHECKED BY: [Signature]	
APPROVED BY: [Signature]	



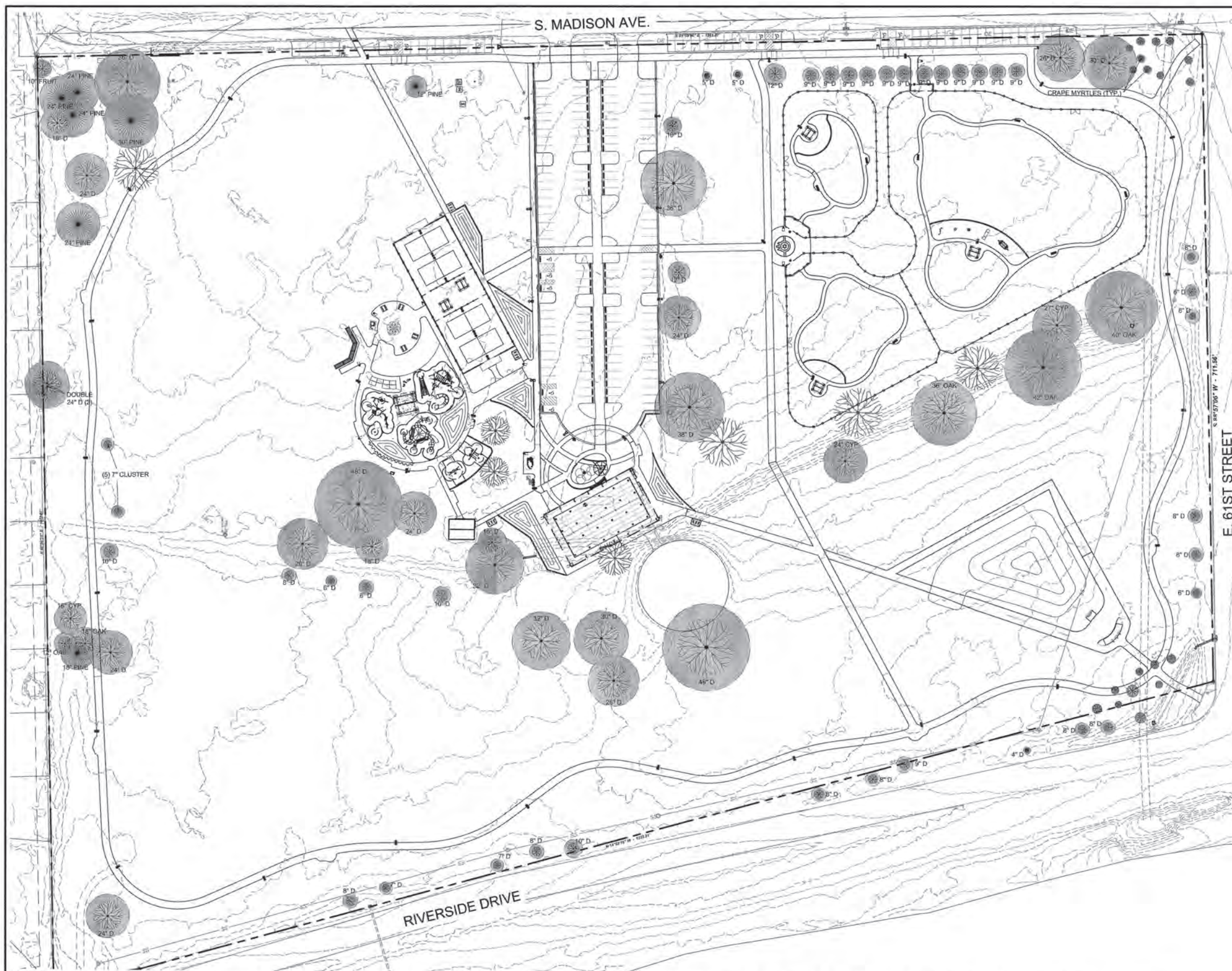
- LEGEND**
- PROPERTY LINE
 - MATCH LINE
 - EXISTING FENCELINE
 - STORMWATER PIPE
 - CONTROL POINT
 - BENCHMARK & PROPERTY CORNERS

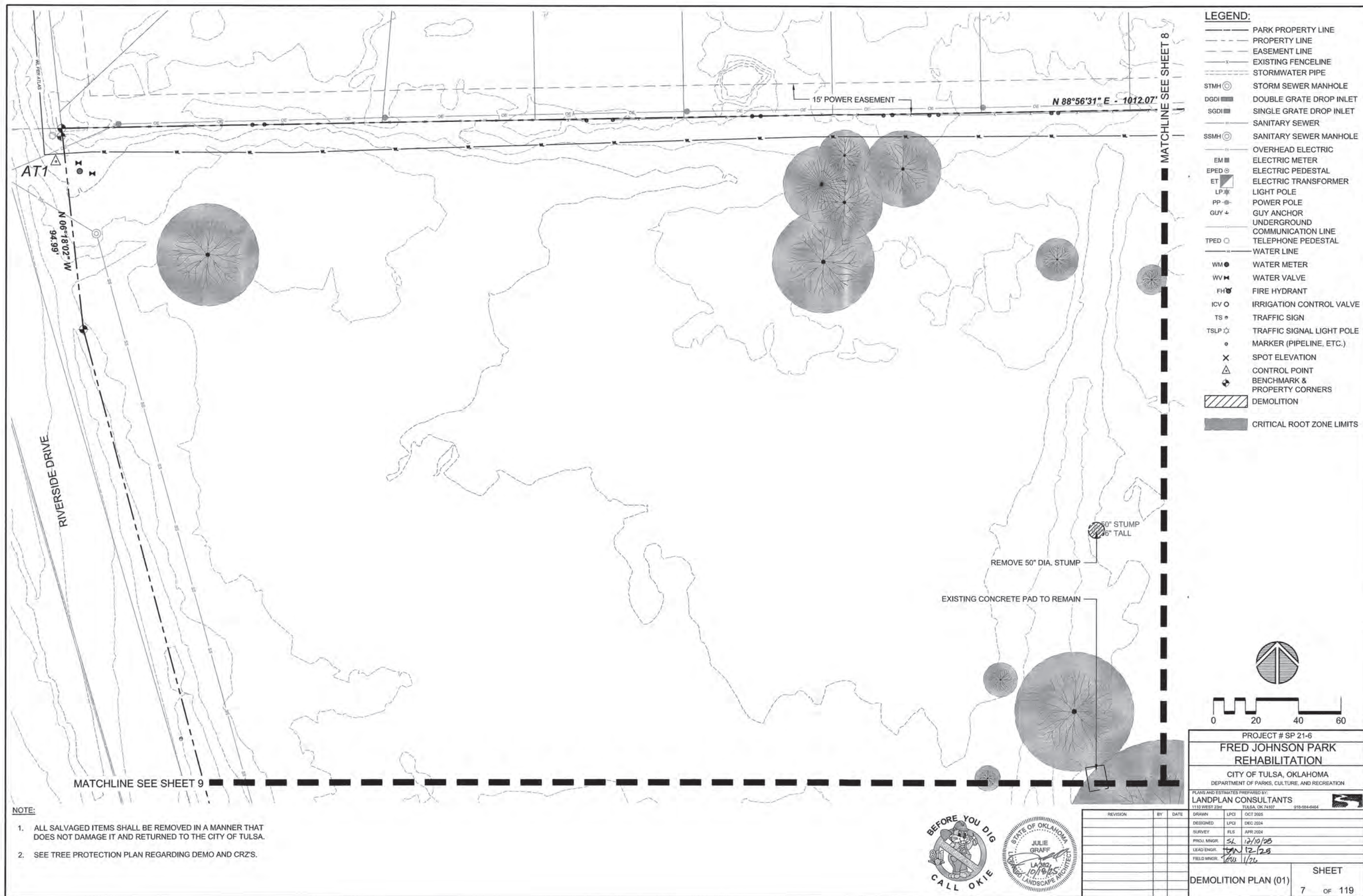


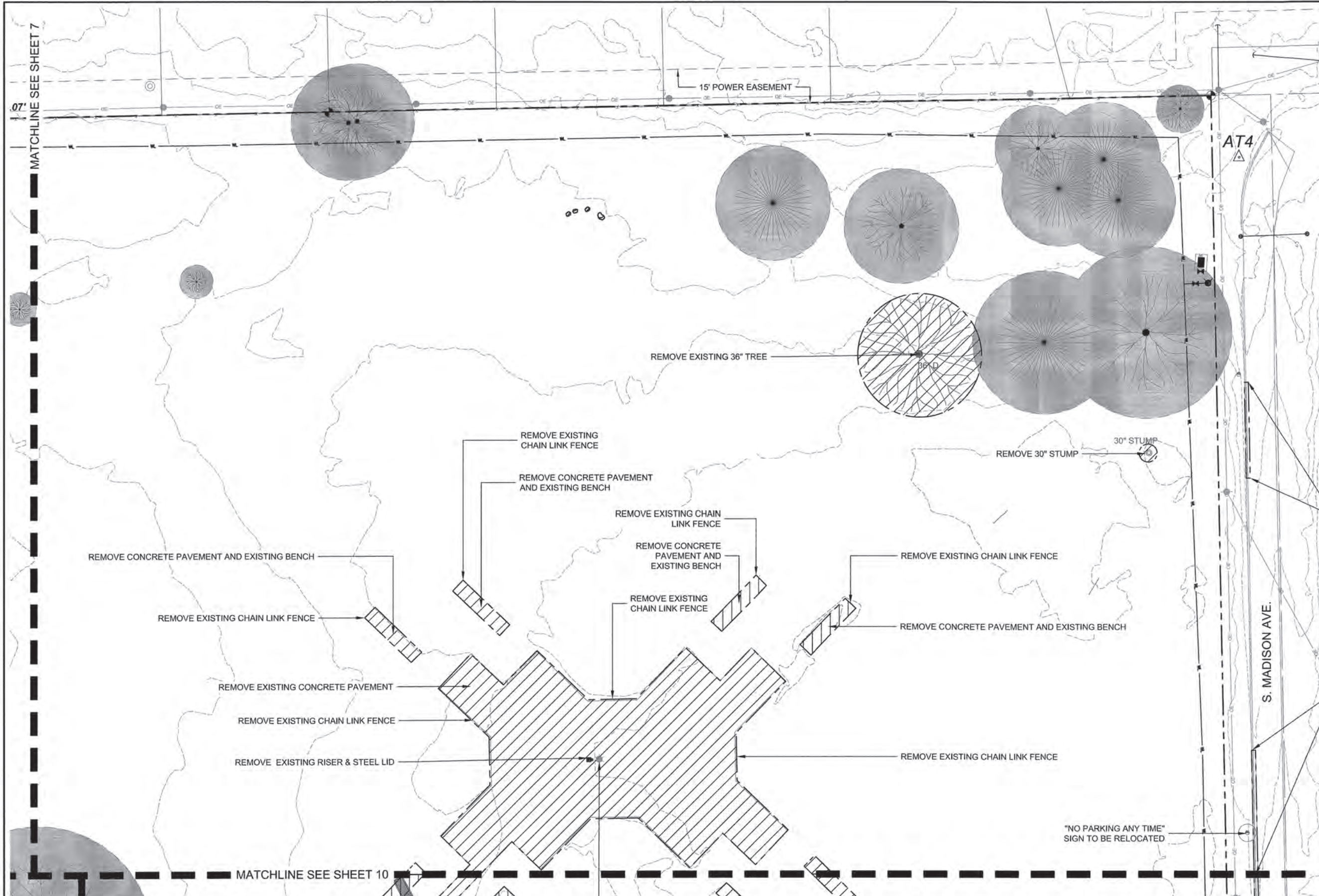
PROJECT # SP 21-6	
FRED JOHNSON PARK REHABILITATION	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF PARKS, CULTURE, AND RECREATION	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23RD TULSA, OK 74107 918-584-4454	
REVISION	BY DATE
DRAWN	LPCL OCT 2025
DESIGNED	LPCL DEC 2024
SURVEY	FLS APR 2024
PROJ. MGR.	SL 12/10/25
LEAD ENGR.	SL 12/25
FIELD MGR.	SL 1/26
KEY PLAN	
SHEET	
5 OF 119	



Project: Fred Johnson Park Rehabilitation, Sheet: 5 of 119, Date: 12/10/25, 9:15:12 AM







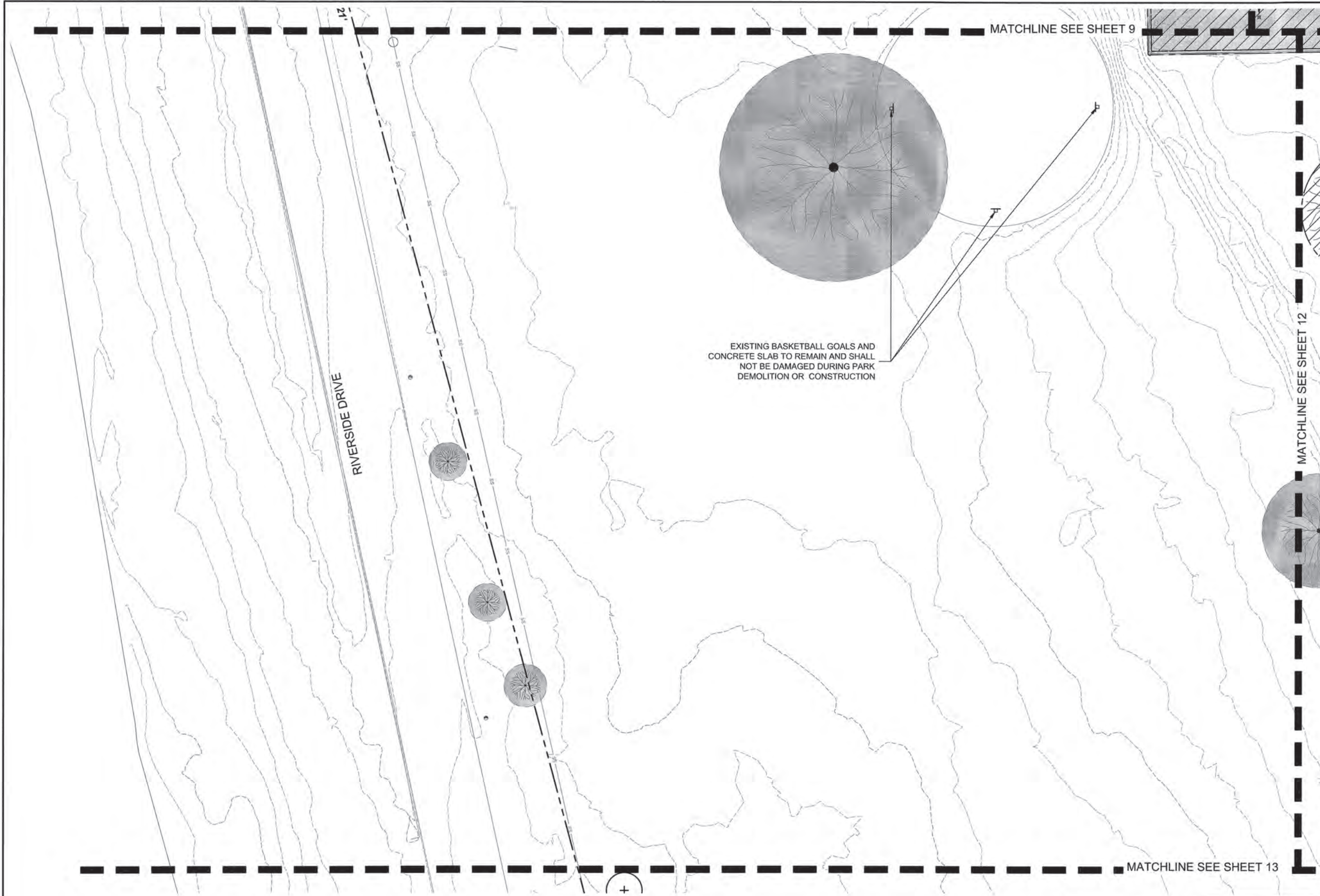
- LEGEND:**
- PARK PROPERTY LINE
 - PROPERTY LINE
 - EASEMENT LINE
 - x- EXISTING FENCELINE
 - - - STORMWATER PIPE
 - STMH (C) STORM SEWER MANHOLE
 - DGDI (C) DOUBLE GRATE DROP INLET
 - SODI (C) SINGLE GRATE DROP INLET
 - SSMH (C) SANITARY SEWER
 - SSMH (C) SANITARY SEWER MANHOLE
 - EM (C) OVERHEAD ELECTRIC
 - EM (C) ELECTRIC METER
 - EPED (C) ELECTRIC PEDESTAL
 - ET (C) ELECTRIC TRANSFORMER
 - LP (C) LIGHT POLE
 - PP (C) POWER POLE
 - GUY (C) GUY ANCHOR
 - UNDERGROUND
 - COMMUNICATION LINE
 - TPED (C) TELEPHONE PEDESTAL
 - WM (C) WATER LINE
 - WM (C) WATER METER
 - WV (C) WATER VALVE
 - FH (C) FIRE HYDRANT
 - ICV (C) IRRIGATION CONTROL VALVE
 - TS (C) TRAFFIC SIGN
 - TSLP (C) TRAFFIC SIGNAL LIGHT POLE
 - MARKER (PIPELINE, ETC.)
 - X SPOT ELEVATION
 - △ CONTROL POINT
 - ◆ BENCHMARK & PROPERTY CORNERS
 - DEMOLITION
 - CRITICAL ROOT ZONE LIMITS



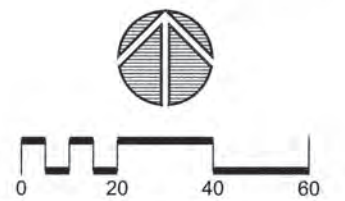
- NOTE:**
1. ALL SALVAGED ITEMS SHALL BE REMOVED IN A MANNER THAT DOES NOT DAMAGE IT AND RETURNED TO THE CITY OF TULSA.
 2. SEE TREE PROTECTION PLAN REGARDING DEMO AND CRZ'S.



REVISION		BY	DATE	DESIGNED	LPCI	DATE
				FLS	FLS	DEC 2024
				FLS	FLS	APR 2024
				FLS	FLS	12/10/25
				FLS	FLS	12/26
				FLS	FLS	1/26
DEMOLITION PLAN (02)						SHEET 8 OF 119



- LEGEND:**
- PARK PROPERTY LINE
 - PROPERTY LINE
 - EASEMENT LINE
 - EXISTING FENCELINE
 - STORMWATER PIPE
 - STMH (circle with cross) STORM SEWER MANHOLE
 - DGDI (rectangle with cross) DOUBLE GRATE DROP INLET
 - SGDI (rectangle with cross) SINGLE GRATE DROP INLET
 - SSMH (circle with cross) SANITARY SEWER MANHOLE
 - OVERHEAD ELECTRIC
 - EM (rectangle) ELECTRIC METER
 - EPED (circle with cross) ELECTRIC PEDESTAL
 - ET (square with cross) ELECTRIC TRANSFORMER
 - LP (star) LIGHT POLE
 - PP (circle with cross) POWER POLE
 - GUY (arrow) GUY ANCHOR
 - UNDERGROUND COMMUNICATION LINE
 - TPED (square with cross) TELEPHONE PEDESTAL
 - WATER LINE
 - WM (circle with cross) WATER METER
 - WV (rectangle with cross) WATER VALVE
 - FH (circle with cross) FIRE HYDRANT
 - ICV (circle with cross) IRRIGATION CONTROL VALVE
 - TS (circle with cross) TRAFFIC SIGN
 - TSLP (star) TRAFFIC SIGNAL LIGHT POLE
 - MARKER (PIPELINE, ETC.)
 - X SPOT ELEVATION
 - CONTROL POINT
 - BENCHMARK & PROPERTY CORNERS
 - DEMOLITION (hatched area)
 - CRITICAL ROOT ZONE LIMITS (shaded area)



PROJECT # SP 21-6
**FRED JOHNSON PARK
REHABILITATION**
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

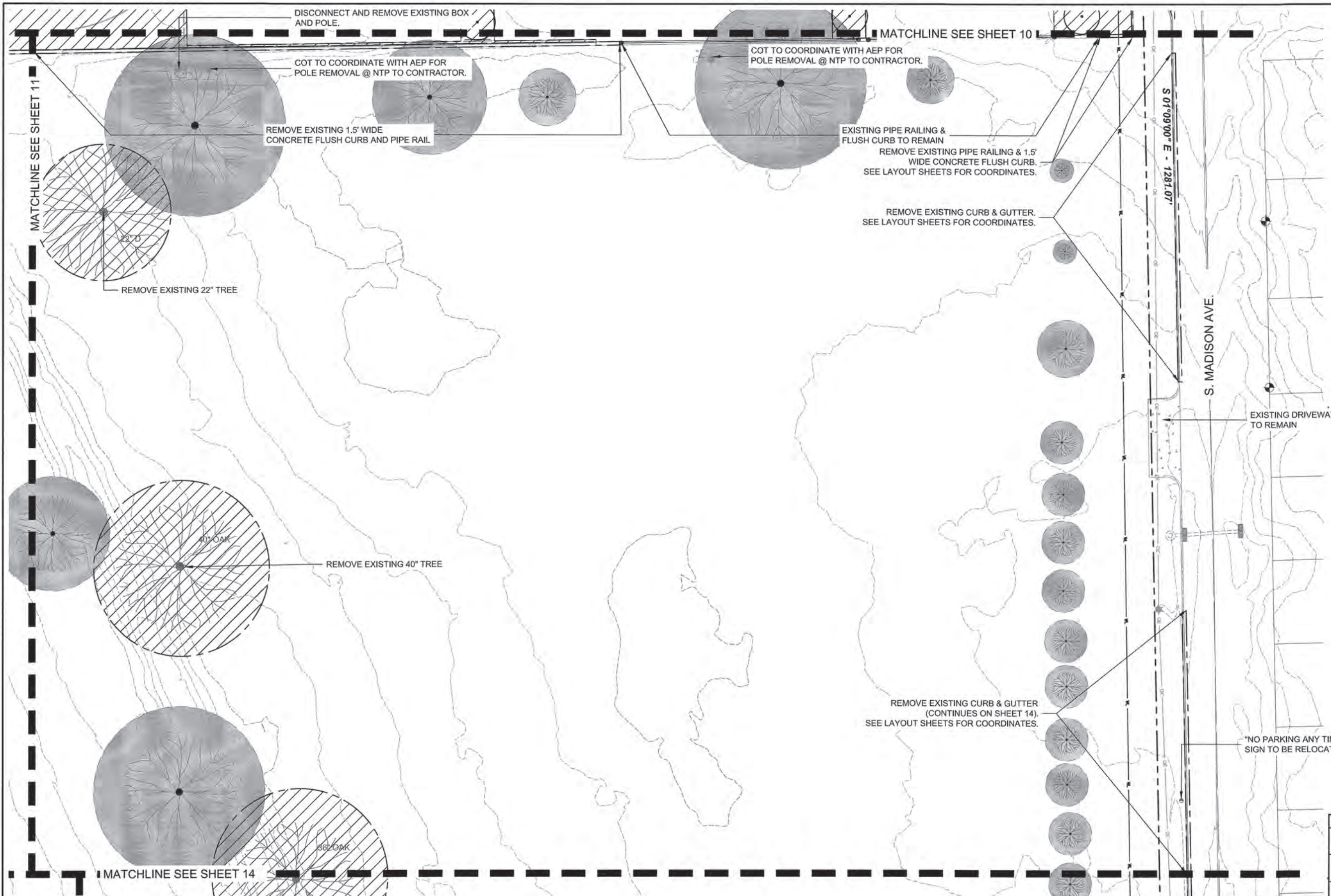
PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23RD TULSA, OK 74107 918-534-6454

REVISION	BY	DATE
DRAWN	LPCI	OCT 2025
DESIGNED	LPCI	DEC 2024
SURVEY	FLS	APR 2024
PROJ. MNGR.	SL	12/10/25
LEAD ENGR.	BN	12/25
FIELD MNGR.	Jma	1/24

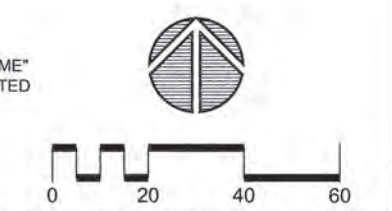
DEMOLITION PLAN (05)

SHEET
11 OF 119





- LEGEND:**
- PARK PROPERTY LINE
 - PROPERTY LINE
 - EASEMENT LINE
 - EXISTING FENCELINE
 - STORMWATER PIPE
 - STMH
 - DGDI
 - SODI
 - SSMH
 - EM
 - EPED
 - ET
 - LP
 - PP
 - GUY
 - TPED
 - WM
 - WV
 - FH
 - ICV
 - TS
 - TSLP
 - MARKER (PIPELINE, ETC.)
 - SPOT ELEVATION
 - CONTROL POINT
 - BENCHMARK & PROPERTY CORNERS
 - DEMOLITION
 - CRITICAL ROOT ZONE LIMITS
 - STORM SEWER MANHOLE
 - DOUBLE GRATE DROP INLET
 - SINGLE GRATE DROP INLET
 - SANITARY SEWER
 - SANITARY SEWER MANHOLE
 - OVERHEAD ELECTRIC
 - ELECTRIC METER
 - ELECTRIC PEDESTAL
 - ELECTRIC TRANSFORMER
 - LIGHT POLE
 - POWER POLE
 - GUY ANCHOR
 - UNDERGROUND
 - COMMUNICATION LINE
 - TELEPHONE PEDESTAL
 - WATER LINE
 - WATER METER
 - WATER VALVE
 - FIRE HYDRANT
 - IRRIGATION CONTROL VALVE
 - TRAFFIC SIGN
 - TRAFFIC SIGNAL LIGHT POLE



PROJECT # SP 21-6
**FRED JOHNSON PARK
REHABILITATION**
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23rd TULSA, OK 74107 918-584-6454

REVISION	BY	DATE

DRAWN	LPCI	OCT 2025		
DESIGNED	LPCI	DEC 2024		
SURVEY	FLS	APR 2024		
PROJ. MGR.	SL	12/10/25		
LEAD ENGR.	BN	12/25		
FIELD MGR.	KCU	1/26		

DEMOLITION PLAN (06)

SHEET
12 OF 119



F:\113 Johnson Park\113-Johnson Park-SHETS.dwg, 12, 1/10/2025 9:21:11 AM

MATCHLINE SEE SHEET 11

MATCHLINE SEE SHEET 14

RIVERSIDE DRIVE

61ST STREET

REMOVE 10" TREES. FILL RESULTING HOLE
AND COMPACT TO 95% SPD

REMOVE 9" TREE

EXISTING INLET TO REMAIN

REMOVE CRAPE MYRTLES

EXISTING 96" STORM PIPE

REMOVE CONCRETE SIDEWALK

REMOVE 15" PIPE. INLET TO REMAIN.

REMOVE CONCRETE FLUME

EXISTING CURB RAMP TO REMAIN

LEGEND:

- PARK PROPERTY LINE
- PROPERTY LINE
- EASEMENT LINE
- EXISTING FENCELINE
- STORMWATER PIPE
- STMH (C) STORM SEWER MANHOLE
- DGDI (H) DOUBLE GRATE DROP INLET
- SGDI (H) SINGLE GRATE DROP INLET
- SANITARY SEWER
- SSMH (C) SANITARY SEWER MANHOLE
- OVERHEAD ELECTRIC
- EM (H) ELECTRIC METER
- EPED (H) ELECTRIC PEDESTAL
- ET (H) ELECTRIC TRANSFORMER
- LP (H) LIGHT POLE
- PP (H) POWER POLE
- GUY (H) GUY ANCHOR
- UNDERGROUND COMMUNICATION LINE
- TPED (H) TELEPHONE PEDESTAL
- WATER LINE
- WM (H) WATER METER
- WV (H) WATER VALVE
- PH (H) FIRE HYDRANT
- ICV (H) IRRIGATION CONTROL VALVE
- TS (H) TRAFFIC SIGN
- TSLP (H) TRAFFIC SIGNAL LIGHT POLE
- (H) MARKER (PIPELINE, ETC.)
- (X) SPOT ELEVATION
- (H) CONTROL POINT
- (H) BENCHMARK & PROPERTY CORNERS
- (H) DEMOLITION
- (H) CRITICAL ROOT ZONE LIMITS



PROJECT # SP 21-6
**FRED JOHNSON PARK
REHABILITATION**
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23rd TULSA, OK 74107 918-584-6464

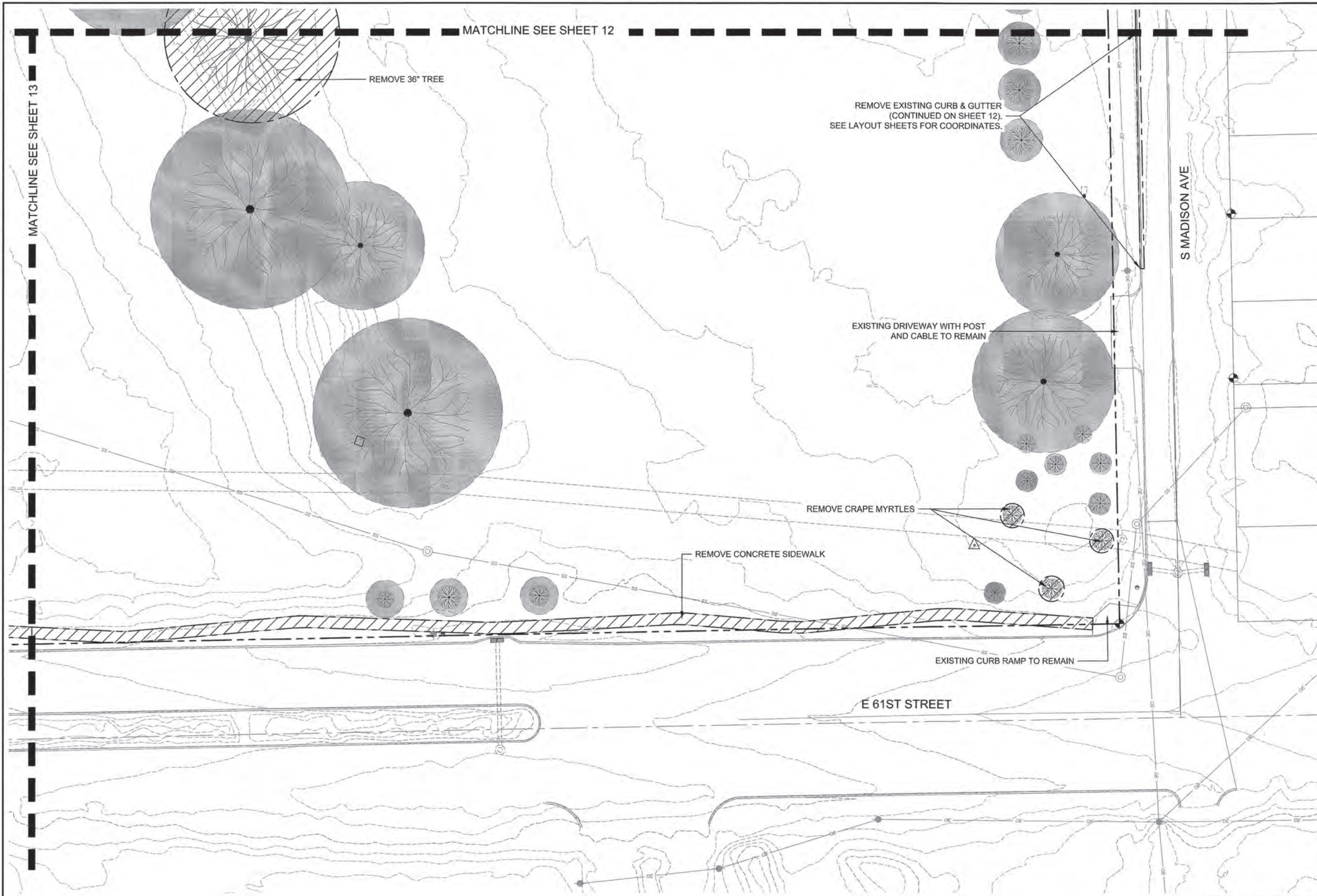
REVISION	BY	DATE

DRAWN	LPCI	OCT 2025
DESIGNED	LPCI	DEC 2024
SURVEY	FLB	APR 2024
PROJ. MGR.	SL	12/10/25
LEAD ENGR.	AN	12/28
FIELD MGR.	JW	1/26

DEMOLITION PLAN (07)

SHEET
13 OF 119





LEGEND:

- PARK PROPERTY LINE
- EASEMENT LINE
- x- EXISTING FENCELINE
- - - STORMWATER PIPE
- STMH (C) STORM SEWER MANHOLE
- DGDI (B) DOUBLE GRATE DROP INLET
- SGDI (B) SINGLE GRATE DROP INLET
- SANITARY SEWER
- SSMH (C) SANITARY SEWER MANHOLE
- OVERHEAD ELECTRIC
- EM (B) ELECTRIC METER
- EPED (C) ELECTRIC PEDESTAL
- ET (B) ELECTRIC TRANSFORMER
- LP (B) LIGHT POLE
- PP (B) POWER POLE
- GUY (B) GUY ANCHOR
- UNDERGROUND
- COMMUNICATION LINE
- TPED (C) TELEPHONE PEDESTAL
- WATER LINE
- WM (B) WATER METER
- WV (B) WATER VALVE
- FH (B) FIRE HYDRANT
- ICV (C) IRRIGATION CONTROL VALVE
- TS (B) TRAFFIC SIGN
- TSLP (B) TRAFFIC SIGNAL LIGHT POLE
- (B) MARKER (PIPELINE, ETC.)
- (X) SPOT ELEVATION
- (B) CONTROL POINT
- (B) BENCHMARK & PROPERTY CORNERS
- (Hatched Box) DEMOLITION
- (Shaded Box) CRITICAL ROOT ZONE LIMITS



PROJECT # SP 21-6
**FRED JOHNSON PARK
REHABILITATION**
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

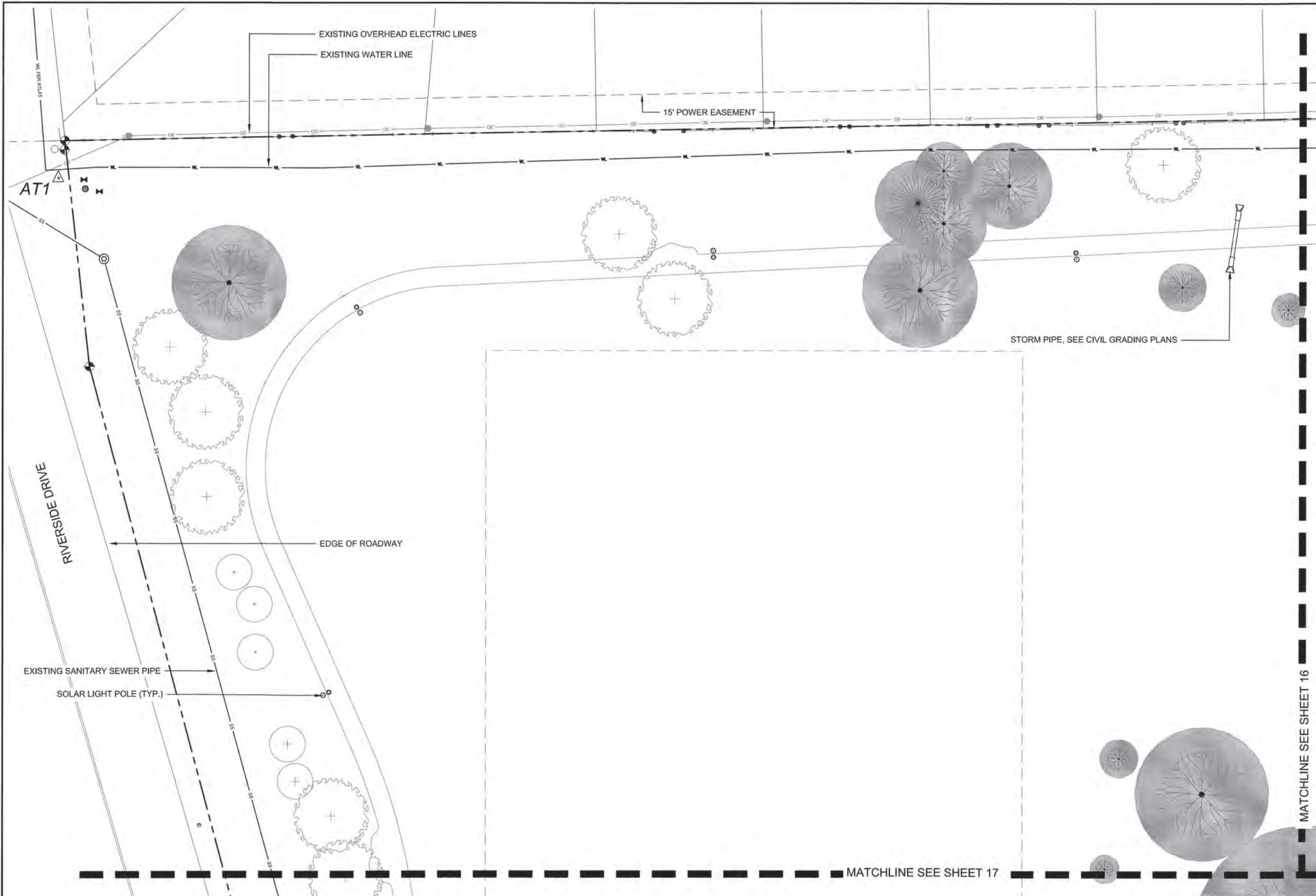
PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23rd TULSA, OK 74107 918-584-6464

REVISION	BY	DATE
DRAWN	LPCI	OCT 2025
DESIGNED	LPCI	DEC 2024
SURVEY	FLS	APR 2024
PROJ. MNGR.	SL	12/10/25
LEAD ENGR.	SL	12/25
FIELD MNGR.	SL	1/76

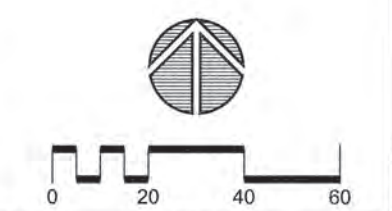
DEMOLITION PLAN (08) SHEET
14 OF 119



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- LEGEND:**
- PROPERTY LINE
 - - - EASEMENT LINE
 - - - EXISTING FENCELINE
 - - - STORMWATER PIPE
 - STMH (O) STORM SEWER MANHOLE
 - DGDI (O) DOUBLE GRATE DROP INLET
 - SGDI (O) SINGLE GRATE DROP INLET
 - SS (O) SANITARY SEWER
 - SSMH (O) SANITARY SEWER MANHOLE
 - OE (O) OVERHEAD ELECTRIC
 - EM (O) ELECTRIC METER
 - EPED (O) ELECTRIC PEDESTAL
 - ET (O) ELECTRIC TRANSFORMER
 - LP (O) LIGHT POLE
 - PP (O) POWER POLE
 - GUY (O) GUY ANCHOR
 - UNDERGROUND COMMUNICATION LINE
 - TPED (O) TELEPHONE PEDESTAL
 - W (O) WATER LINE
 - WM (O) WATER METER
 - WV (O) WATER VALVE
 - FH (O) FIRE HYDRANT
 - ICV (O) IRRIGATION CONTROL VALVE
 - TS (O) TRAFFIC SIGN
 - TSLP (O) TRAFFIC SIGNAL LIGHT POLE
 - (O) MARKER (PIPELINE, ETC.)
 - (X) SPOT ELEVATION
 - (A) CONTROL POINT
 - (B) BENCHMARK & PROPERTY CORNERS
 - (O) CRITICAL ROOT ZONE LIMITS
 - (O) PARKING LOT LIGHT
 - (O) SOLAR LIGHT POLE
 - (PB) PULL BOX
 - (AP) APPLETON POWER PEDESTAL



PROJECT # SP 21-6
FRED JOHNSON PARK REHABILITATION
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23rd TULSA, OK 74107 918-584-6464

REVISION	BY	DATE

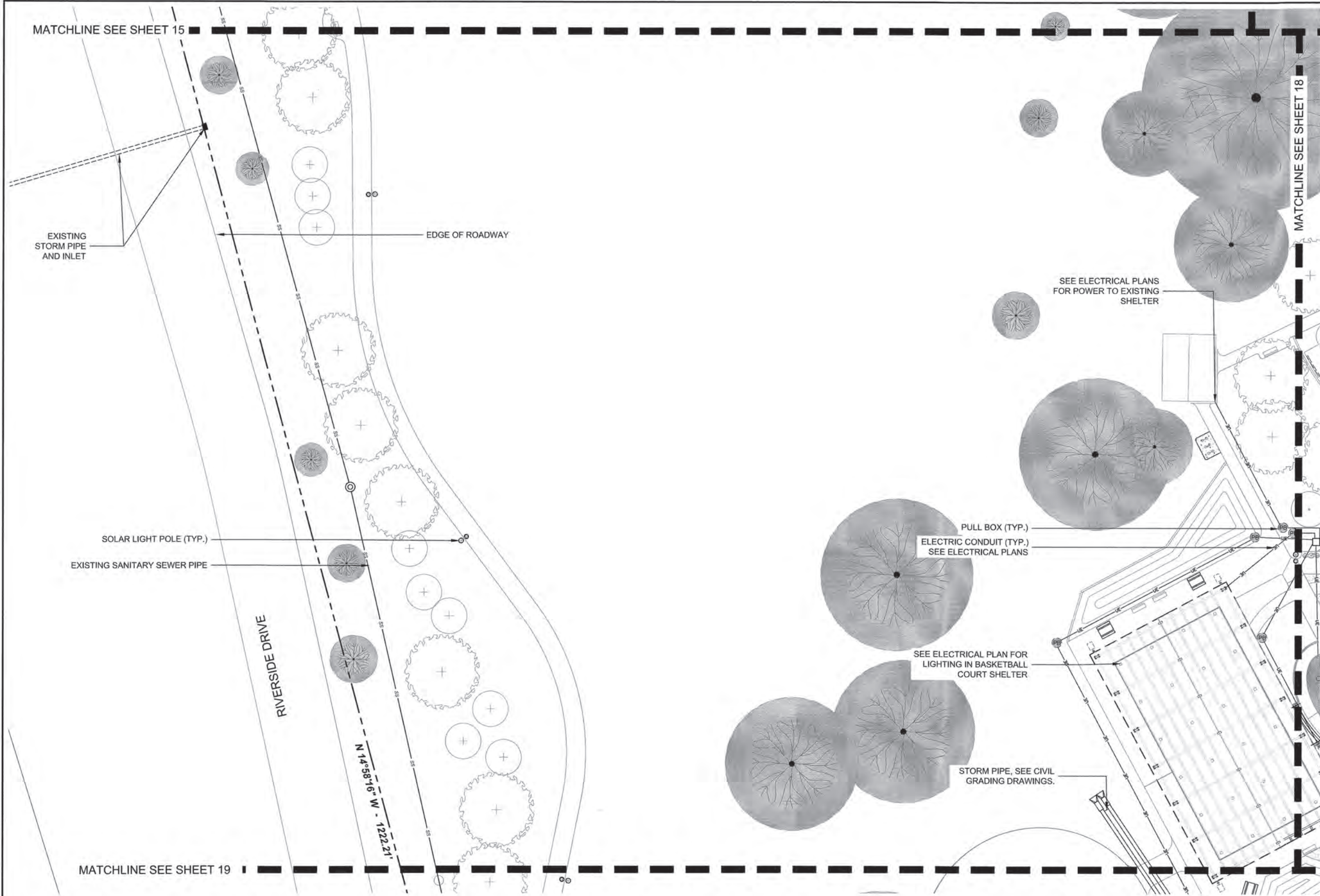
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DESIGNED	LPCI	DEC 2024
SURVEY	FLS	APR 2024
PROJ. MNGR.	SL	12/10/25
LEAD ENGR.	SL	12/2/25
FIELD MNGR.	SL	1/2/26

UTILITY PLAN (01)	SHEET
15	OF 119

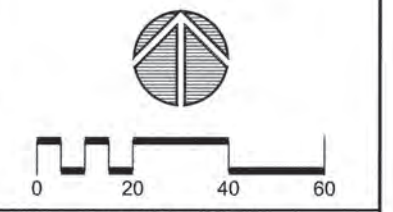


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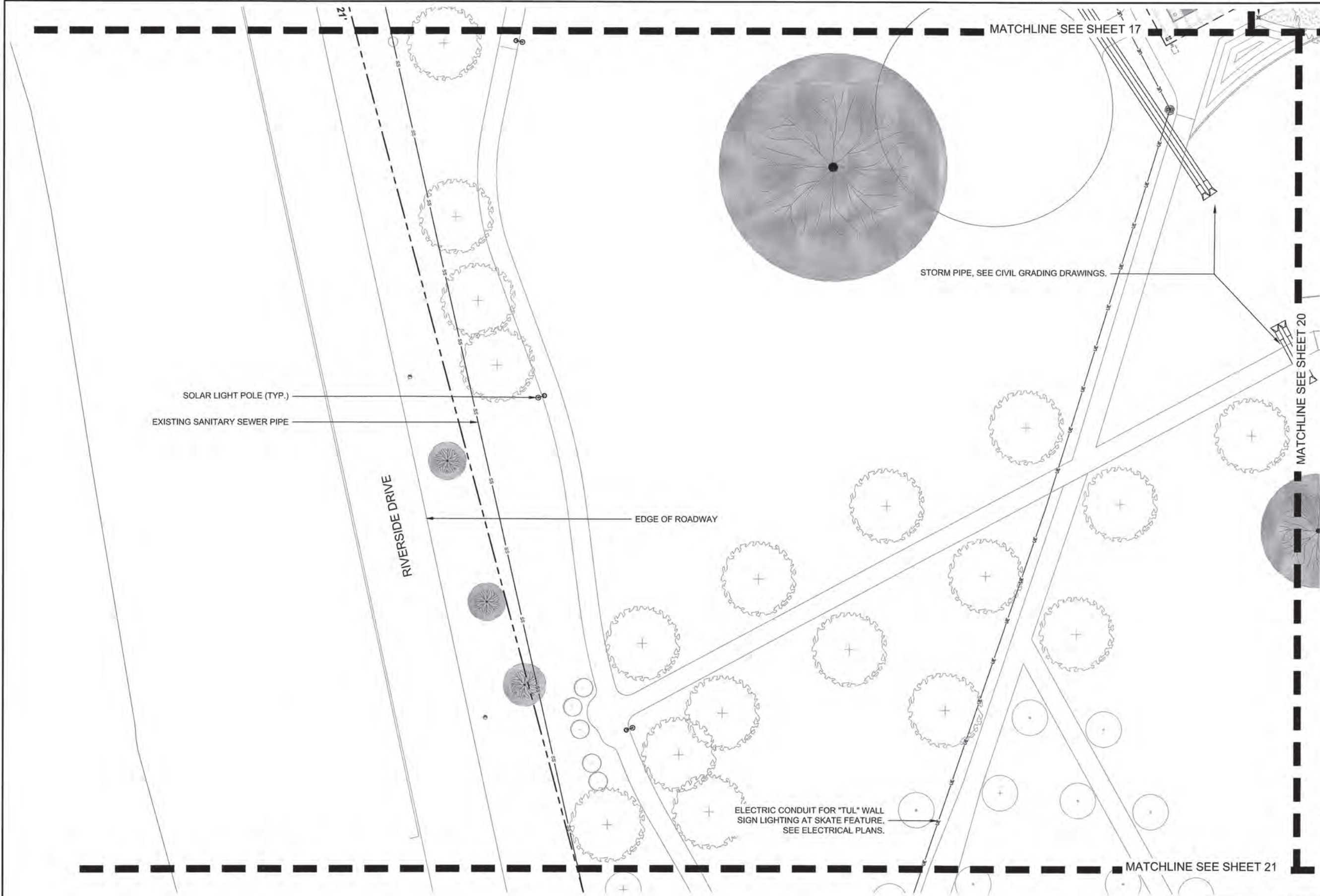
- LEGEND:**
- PROPERTY LINE
 - - - EASEMENT LINE
 - - - EXISTING FENCELINE
 - - - STORMWATER PIPE
 - STMH (O) STORM SEWER MANHOLE
 - DGDI (O) DOUBLE GRATE DROP INLET
 - SGDI (O) SINGLE GRATE DROP INLET
 - SS SANITARY SEWER
 - SSMH (O) SANITARY SEWER MANHOLE
 - OE OVERHEAD ELECTRIC
 - EM (O) ELECTRIC METER
 - EPED (O) ELECTRIC PEDESTAL
 - ET (O) ELECTRIC TRANSFORMER
 - LP (O) LIGHT POLE
 - PP (O) POWER POLE
 - GUY (O) GUY ANCHOR
 - UNDERGROUND COMMUNICATION LINE
 - TPED (O) TELEPHONE PEDESTAL
 - WATER LINE
 - WM (O) WATER METER
 - WV (O) WATER VALVE
 - FH (O) FIRE HYDRANT
 - ICV (O) IRRIGATION CONTROL VALVE
 - TS (O) TRAFFIC SIGN
 - TSLP (O) TRAFFIC SIGNAL LIGHT POLE
 - (O) MARKER (PIPELINE, ETC.)
 - X SPOT ELEVATION
 - (O) CONTROL POINT
 - (O) BENCHMARK & PROPERTY CORNERS
 - (O) CRITICAL ROOT ZONE LIMITS
 - (O) PARKING LOT LIGHT
 - (O) SOLAR LIGHT POLE
 - (O) PULL BOX
 - (O) APPLETON POWER PEDESTAL



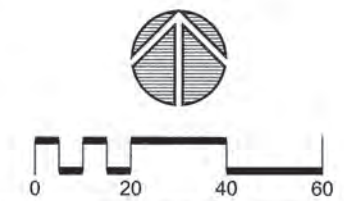
PROJECT # SP 21-6	
FRED JOHNSON PARK REHABILITATION	
CITY OF TULSA, OKLAHOMA	
DEPARTMENT OF PARKS, CULTURE, AND RECREATION	
PLANS AND ESTIMATES PREPARED BY:	
LANDPLAN CONSULTANTS	
1110 WEST 23rd TULSA, OK 74107 918-584-6454	
REVISION	BY DATE
DRAWN	LPCI OCT 2025
DESIGNED	LPCI DEC 2024
SURVEY	FLS APR 2024
PROJ. MNGR.	SL 12/10/25
LEAD ENGR.	PA 12/25
FIELD MNGR.	PA 1/26
UTILITY PLAN (03)	
SHEET	
17 OF 119	



P:\213 Johnson Park\213-Johnson Park SHETS.dwg, 17, 1/10/2025 9:23:14 AM



- LEGEND:**
- PROPERTY LINE
 - - - EASEMENT LINE
 - - - EXISTING FENCELINE
 - - - STORMWATER PIPE
 - STMH (O) STORM SEWER MANHOLE
 - DGDI (H) DOUBLE GRATE DROP INLET
 - SGDI (H) SINGLE GRATE DROP INLET
 - SS (H) SANITARY SEWER
 - SSMH (O) SANITARY SEWER MANHOLE
 - OE (H) OVERHEAD ELECTRIC
 - EM (H) ELECTRIC METER
 - EPED (H) ELECTRIC PEDESTAL
 - ET (H) ELECTRIC TRANSFORMER
 - LP (H) LIGHT POLE
 - PP (H) POWER POLE
 - GUY (H) GUY ANCHOR
 - UC (H) UNDERGROUND COMMUNICATION LINE
 - TPED (H) TELEPHONE PEDESTAL
 - W (H) WATER LINE
 - WM (H) WATER METER
 - WV (H) WATER VALVE
 - FH (H) FIRE HYDRANT
 - ICV (H) IRRIGATION CONTROL VALVE
 - TS (H) TRAFFIC SIGN
 - TSLP (H) TRAFFIC SIGNAL LIGHT POLE
 - (H) MARKER (PIPELINE, ETC.)
 - (X) SPOT ELEVATION
 - (H) CONTROL POINT
 - (H) BENCHMARK & PROPERTY CORNERS
 - (H) CRITICAL ROOT ZONE LIMITS
 - (H) PARKING LOT LIGHT
 - (H) SOLAR LIGHT POLE
 - (H) PULL BOX
 - (H) APPLETON POWER PEDESTAL



PROJECT # SP 21-6
**FRED JOHNSON PARK
REHABILITATION**
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23rd TULSA, OK 74107 918-594-6654

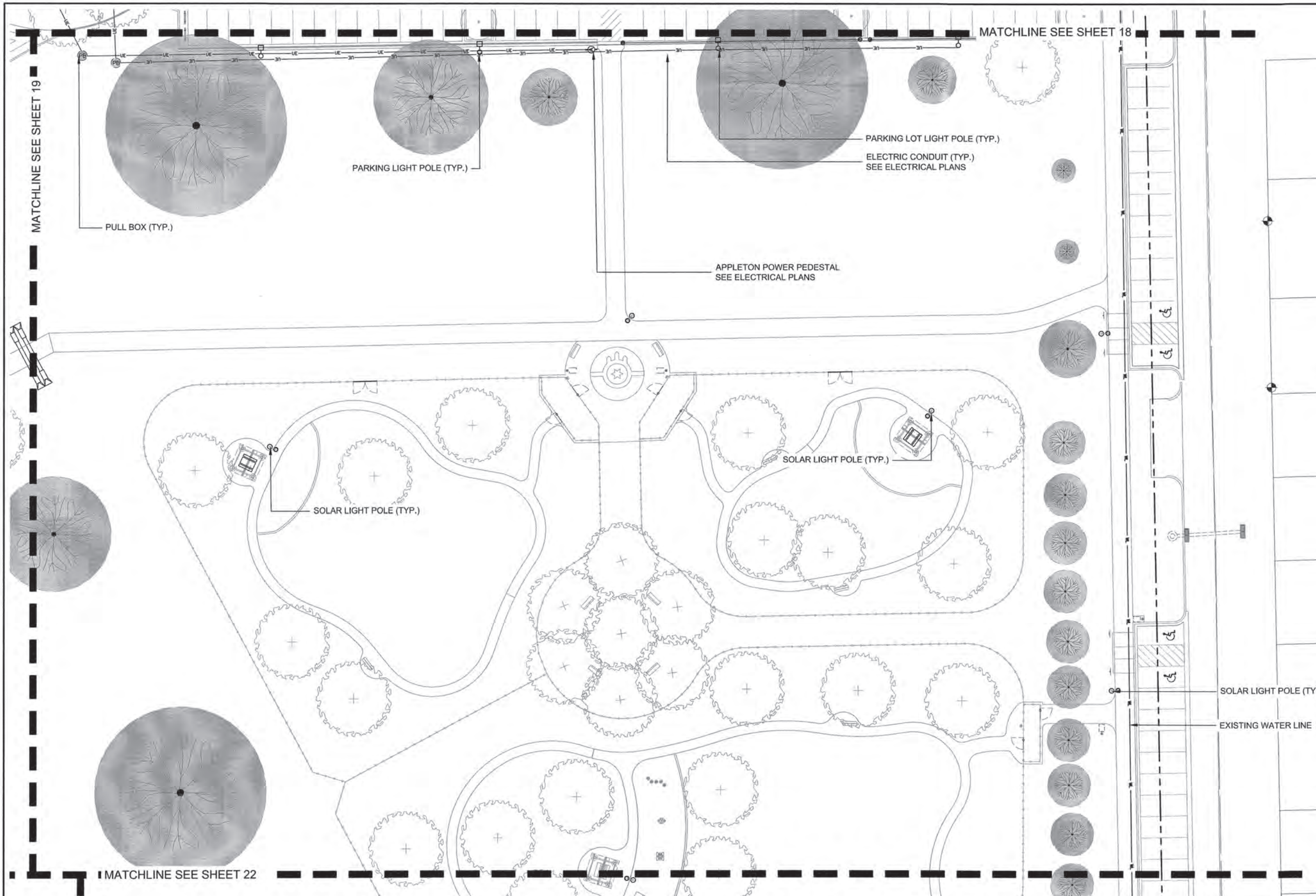
REVISION	BY	DATE

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DESIGNED	LPCI	DEC 2024		
SURVEY	FLS	APR 2024		
PROJ. MGR.	SL	12/10/25		
LEAD ENGR.	SL	12/12/25		
FIELD MGR.	SL	1/26		

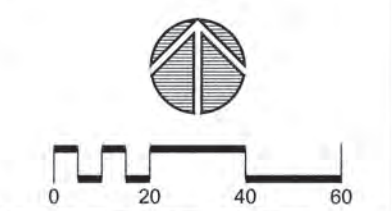
UTILITY PLAN (05)	SHEET 19 OF 119
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- LEGEND:**
- PROPERTY LINE
 - - - EASEMENT LINE
 - - - EXISTING FENCELINE
 - STORMWATER PIPE
 - STMH (circle with cross) STORM SEWER MANHOLE
 - DGDI (rectangle with cross) DOUBLE GRATE DROP INLET
 - SGDI (rectangle with cross) SINGLE GRATE DROP INLET
 - SSMH (circle with cross) SANITARY SEWER MANHOLE
 - EM (rectangle) ELECTRIC METER
 - EPED (circle with cross) ELECTRIC PEDESTAL
 - ET (square with cross) ELECTRIC TRANSFORMER
 - LP (circle with cross) LIGHT POLE
 - PP (circle with cross) POWER POLE
 - GUY (line with cross) GUY ANCHOR
 - UNDERGROUND (line with cross) UNDERGROUND
 - COMMUNICATION LINE (line with cross) COMMUNICATION LINE
 - TELEPHONE PEDESTAL (circle with cross) TELEPHONE PEDESTAL
 - TPED (circle with cross) TELEPHONE PEDESTAL
 - WATER LINE
 - WM (circle with cross) WATER METER
 - WV (circle with cross) WATER VALVE
 - FH (circle with cross) FIRE HYDRANT
 - ICV (circle with cross) IRRIGATION CONTROL VALVE
 - TS (circle with cross) TRAFFIC SIGN
 - TSLP (circle with cross) TRAFFIC SIGNAL LIGHT POLE
 - MARKER (PIPELINE, ETC.) (circle with cross)
 - X SPOT ELEVATION
 - △ CONTROL POINT
 - ⬢ BENCHMARK & PROPERTY CORNERS
 - CRITICAL ROOT ZONE LIMITS (shaded area)
 - PARKING LOT LIGHT
 - SOLAR LIGHT POLE
 - PB (circle with cross) PULL BOX
 - APPLETON POWER PEDESTAL (circle with cross)



PROJECT # SP 21-6
**FRED JOHNSON PARK
REHABILITATION**
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23rd TULSA, OK 74107 615-284-6454

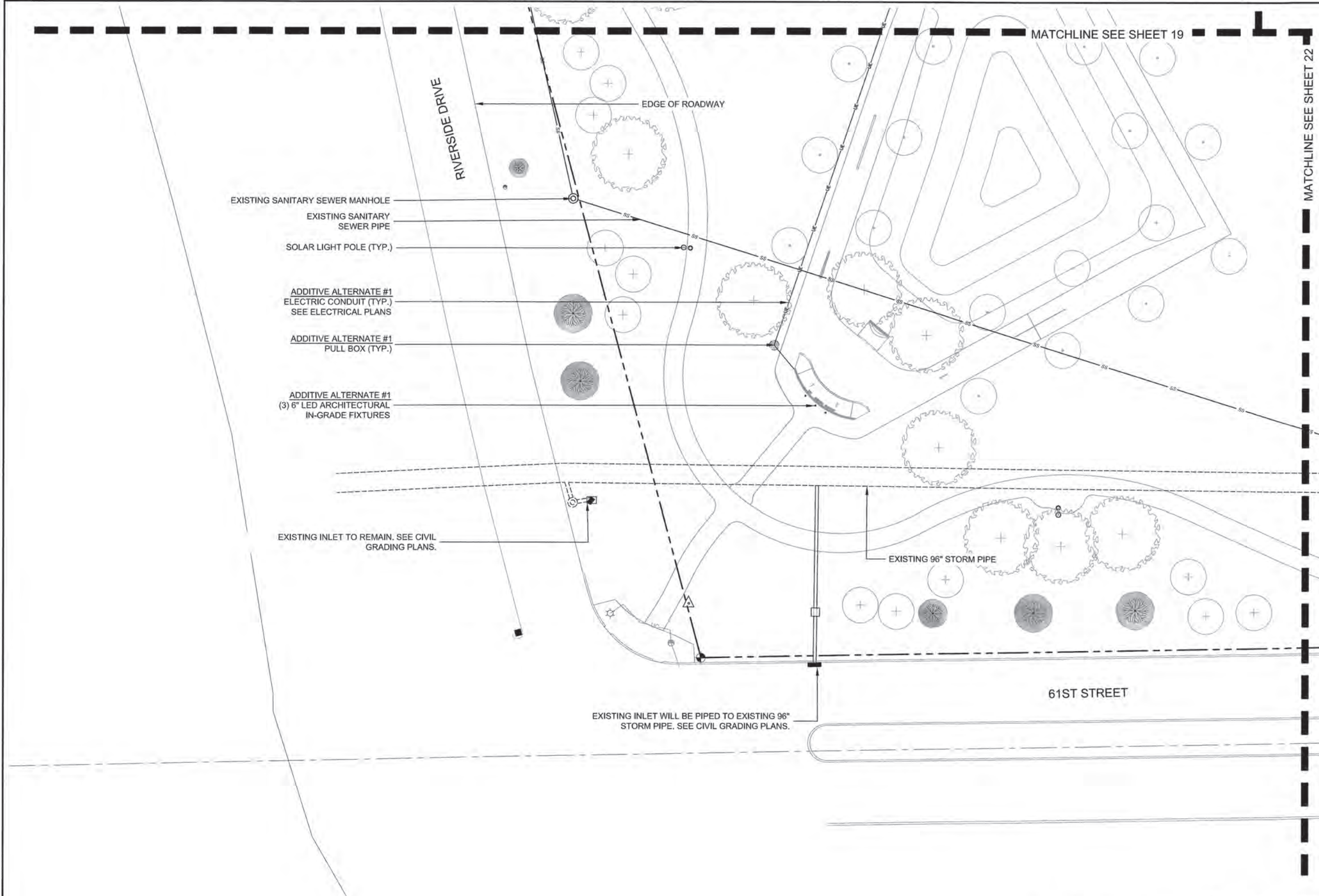
REVISION	BY	DATE
DRAWN	LPCI	OCT 2025
DESIGNED	LPCI	DEC 2024
SURVEY	FLS	APR 2024
PROJ. MNGR.	SL	12/10/25
LEAD ENGR.	SL	12/29
FIELD MNGR.	SL	1/26

UTILITY PLAN (06)

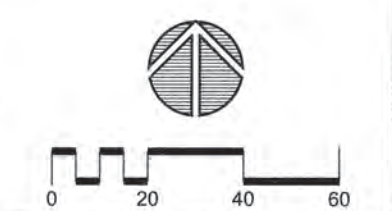
SHEET
20 OF 119



P:\213 Johnson Park\213-Johnson Park Sheets.dwg, 30, 12/10/2025 9:42:03 AM



- LEGEND:**
- PROPERTY LINE
 - - - EASEMENT LINE
 - - - EXISTING FENCELINE
 - - - STORMWATER PIPE
 - STMH (O) STORM SEWER MANHOLE
 - DGDI (H) DOUBLE GRATE DROP INLET
 - SGDI (H) SINGLE GRATE DROP INLET
 - SS (---) SANITARY SEWER
 - SSMH (O) SANITARY SEWER MANHOLE
 - OE (---) OVERHEAD ELECTRIC
 - EM (H) ELECTRIC METER
 - EPED (H) ELECTRIC PEDESTAL
 - ET (H) ELECTRIC TRANSFORMER
 - LP (H) LIGHT POLE
 - PP (H) POWER POLE
 - GUY (H) GUY ANCHOR
 - UNDERGROUND COMMUNICATION LINE
 - TPED (O) TELEPHONE PEDESTAL
 - WATER LINE
 - WM (H) WATER METER
 - WV (H) WATER VALVE
 - FH (H) FIRE HYDRANT
 - ICV (O) IRRIGATION CONTROL VALVE
 - TS (H) TRAFFIC SIGN
 - TSPL (H) TRAFFIC SIGNAL LIGHT POLE
 - (O) MARKER (PIPELINE, ETC.)
 - (X) SPOT ELEVATION
 - (A) CONTROL POINT
 - (B) BENCHMARK & PROPERTY CORNERS
 - (H) CRITICAL ROOT ZONE LIMITS
 - (O) PARKING LOT LIGHT
 - (H) SOLAR LIGHT POLE
 - (PB) PULL BOX
 - (H) APPLETON POWER PEDESTAL



PROJECT # SP 21-6
FRED JOHNSON PARK REHABILITATION
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23rd TULSA, OK 74107 918-584-6464

REVISION	BY	DATE

DRAWN	LPCI	OCT 2025
DESIGNED	LPCI	DEC 2024
SURVEY	PLS	APR 2024
PROJ. MGR.	SL	12/10/25
LEAD ENGR.	PL	12-25
FIELD MGR.	PL	12/21

UTILITY PLAN (07)

SHEET
21 OF 119



FP213 Johnson Park/21-6 Fred Johnson Park Sheets.dwg, 21, 12/10/2025 9:42:29 AM

MATCHLINE SEE SHEET 21

MATCHLINE SEE SHEET 20

SOLAR LIGHT POLE (TYP.)

EXISTING INLET TO BE CLEARED BY
CITY OF TULSA STORMWATER

SOLAR LIGHT POLE (TYP.)

EXISTING SANITARY SEWER MANHOLE

EXISTING STORM SEWER MANHOLE

EXISTING SANITARY SEWER PIPE

EXISTING 96" STORM PIPE

EXISTING SANITARY STORM MANHOLE

EXISTING SANITARY SEWER MANHOLE

E 61ST STREET

S. MADISON AVE.

EXISTING WATER LINE
VALVE, ADJUST COVER TO
FINISH GRADE

EXISTING WATER LINE

EXISTING OVERHEAD ELECTRIC LINES

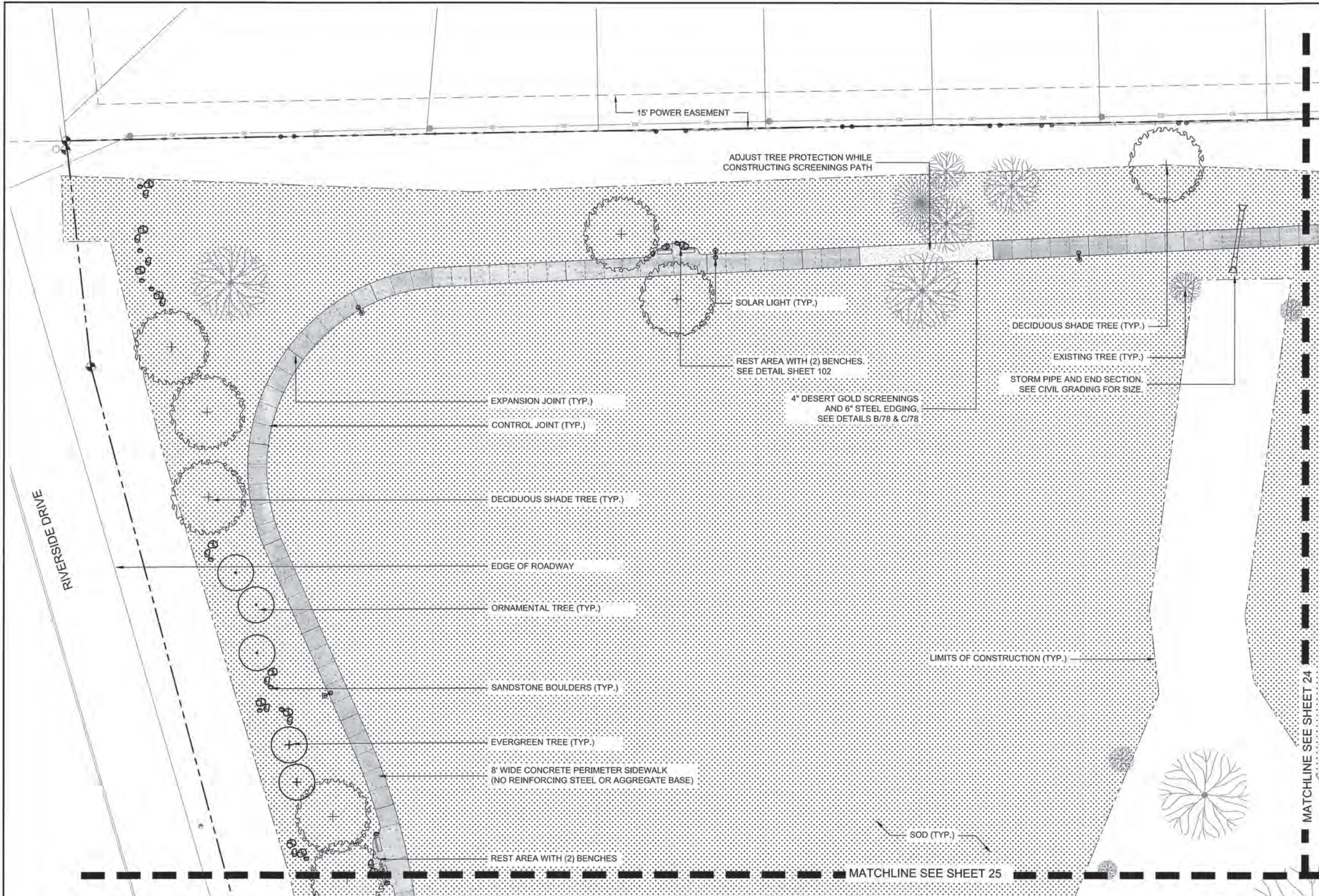
LEGEND:

- PROPERTY LINE
- EASEMENT LINE
- EXISTING FENCELINE
- STORMWATER PIPE
- STMH (C) STORM SEWER MANHOLE
- DGDI (H) DOUBLE GRATE DROP INLET
- SGDI (H) SINGLE GRATE DROP INLET
- SSDI (H) SANITARY SEWER
- SSMH (C) SANITARY SEWER MANHOLE
- OE (H) OVERHEAD ELECTRIC
- EM (H) ELECTRIC METER
- EPED (C) ELECTRIC PEDESTAL
- ET (H) ELECTRIC TRANSFORMER
- LP (H) LIGHT POLE
- PP (H) POWER POLE
- GUY (H) GUY ANCHOR
- UNDERGROUND
- COMMUNICATION LINE
- TPED (C) TELEPHONE PEDESTAL
- WM (H) WATER METER
- WV (H) WATER VALVE
- FH (H) FIRE HYDRANT
- ICV (H) IRRIGATION CONTROL VALVE
- TS (H) TRAFFIC SIGN
- TSLP (H) TRAFFIC SIGNAL LIGHT POLE
- MARKER (PIPELINE, ETC.)
- X SPOT ELEVATION
- CONTROL POINT
- BENCHMARK & PROPERTY CORNERS
- CRITICAL ROOT ZONE LIMITS
- PARKING LOT LIGHT
- SOLAR LIGHT POLE
- PULL BOX
- APPLETON POWER PEDESTAL



PROJECT # SP 21-6	
FRED JOHNSON PARK REHABILITATION	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF PARKS, CULTURE, AND RECREATION	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23rd TULSA, OK 74107 918-594-6464	
REVISION	BY DATE
DRAWN	LPCI OCT 2025
DESIGNED	LPCI DEC 2024
SURVEY	FLS APR 2024
PROJ. MNGR.	SL 12/10/25
LEAD ENGR.	HW 12/25
FIELD MNGR.	HW 12/25
UTILITY PLAN (08)	
SHEET 22 OF 119	





- LEGEND:**
- EXISTING TREES
 - DECIDUOUS SHADE TREES
 - EVERGREEN TREES
 - ORNAMENTAL TREES
 - PROPERTY LINE
 - EASEMENT LINE
 - EXISTING FENCELINE
 - LIMITS OF CONSTRUCTION
 - EXPANSION JOINT
 - CONTROL JOINT
 - 8" FLUSH CURB
 - CURB AND GUTTER
 - 1 1/2" ARTIFICIAL TURF
 - 2" ARTIFICIAL TURF
 - DESERT GOLD SCREENINGS
 - BERMUDA SOD (NETTING REMOVED)
 - DURABOUND SURFACING SYSTEM
 - CONCRETE SIDEWALK
 - CONCRETE PERIMETER SIDEWALK (NO REINFORCEMENT, NO AGGREGATE BASE)
 - INTEGRAL COLOR CONCRETE
 - DURATHERM
 - MULCH
 - SOD
 - PICNIC TABLE
 - BENCH
 - DRINKING FOUNTAIN
 - LITTER RECEPTACLE ANCHORING STATION (BY OTHERS)
 - SOLAR LIGHT POLE
 - PARKING LOT LIGHT POLE
 - SANDSTONE BOULDER

PROJECT # SP 21-6
FRED JOHNSON PARK REHABILITATION
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23rd TULSA, OK 74107 918-584-5454

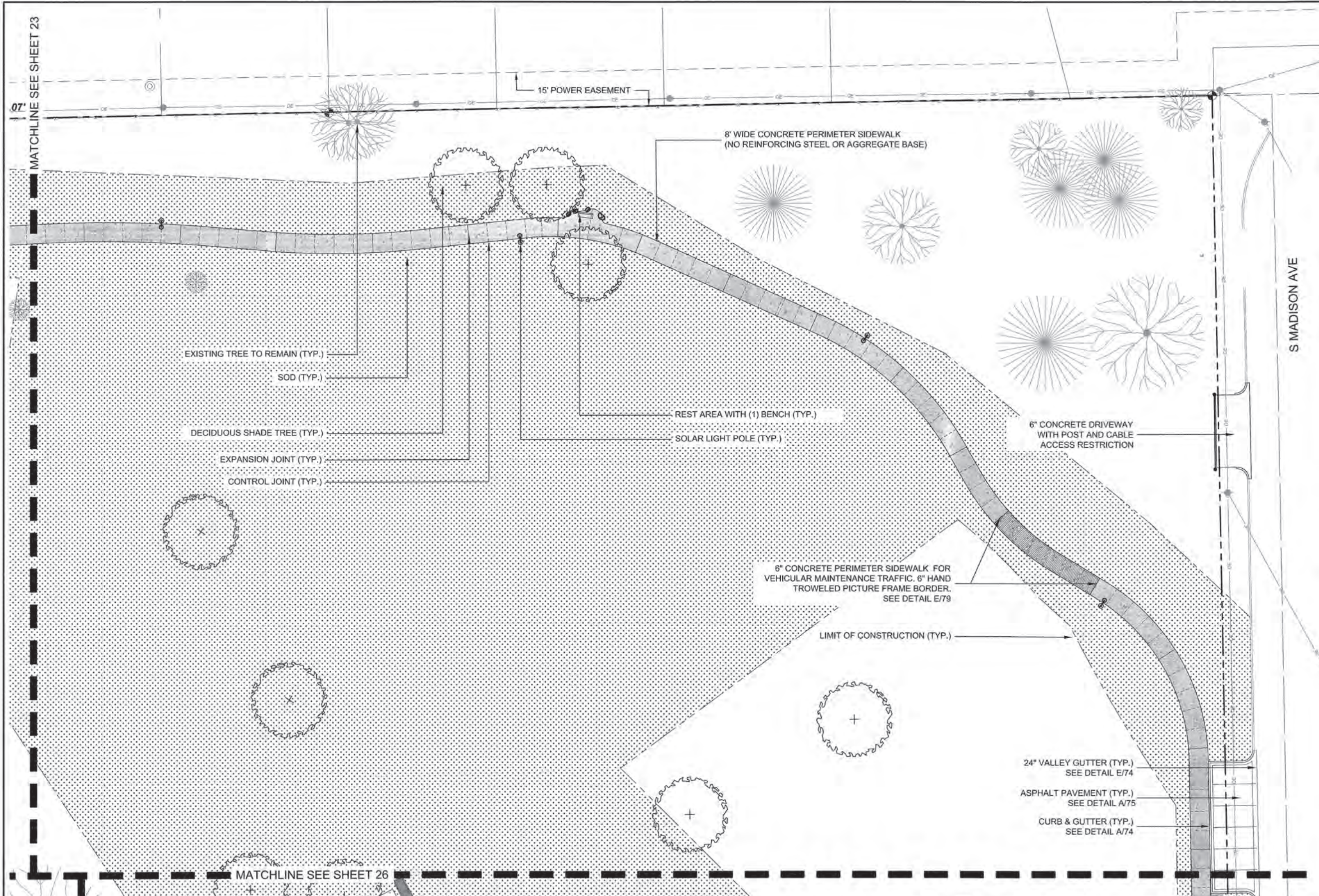
REVISION	BY	DATE

DRAWN	LPCI	OCT 2025
DESIGNED	LPCI	DEC 2024
SURVEY	FLS	APR 2024
PROJ. MGR.	EL	12/10/26
LEAD ENGR.	TJ	12/25
FIELD MGR.	JM	1/26

SITE PLAN (01)

SHEET
23 OF 119

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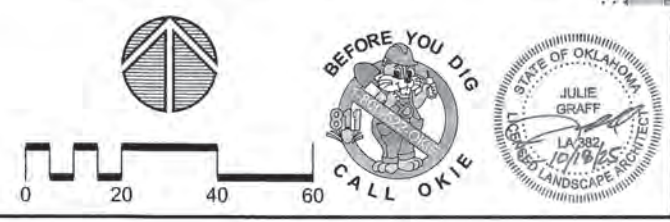
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- EXISTING TREES
 - DECIDUOUS SHADE TREES
 - EVERGREEN TREES
 - ORNAMENTAL TREES
 - PROPERTY LINE
 - EASEMENT LINE
 - EXISTING FENCELINE
 - LIMITS OF CONSTRUCTION
 - EXPANSION JOINT
 - CONTROL JOINT
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 - CURB AND GUTTER
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 - BERMUDA SOD (NETTING REMOVED)
 - DURABOUND SURFACING SYSTEM
 - CONCRETE SIDEWALK
 - CONCRETE PERIMETER SIDEWALK (NO REINFORCEMENT, NO AGGREGATE BASE)
 - INTEGRAL COLOR CONCRETE
 - DURATHERM
 - MULCH
 - SOD
 - PICNIC TABLE
 - BENCH
 - DRINKING FOUNTAIN
 - LITTER RECEPTACLE
 - ANCHORING STATION (BY OTHERS)
 - SOLAR LIGHT POLE
 - PARKING LOT LIGHT POLE
 - SANDSTONE BOULDER

PROJECT # SP 21-6
**FRED JOHNSON PARK
REHABILITATION**
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23RD TULSA, OK 74107 918-584-6464

REVISION	BY	DATE	DRAWN	DATE
			LPG	OCT 2025
			LPG	DEC 2024
			FLS	APR 2024
			SL	12/10/25
			SL	12/12/25
			SL	11/24

SHEET
24 OF 119



P:\2021\2021 Fred Johnson Park\21-6 Fred Johnson Park\21-6 Fred Johnson Park.dwg, 11/10/2025 05:52:12 AM

MATCHLINE SEE SHEET 23

RIVERSIDE DRIVE

DECIDUOUS SHADE TREE (TYP.)

EVERGREEN TREE (TYP.)

EDGE OF ROADWAY

SANDSTONE BOULDERS (TYP.)

EXPANSION JOINT (TYP.)

CONTROL JOINT (TYP.)

SOLAR LIGHT POLE (TYP.)

SOD (TYP.)

LIMITS OF CONSTRUCTION (TYP.)

8' WIDE CONCRETE PERIMETER SIDEWALK
(NO REINFORCING STEEL OR AGGREGATE BASE)

6" THICKENED CONCRETE SIDEWALK FOR
VEHICULAR MAINTENANCE TRAFFIC. 6" HAND
TROWELED PICTURE FRAME BORDER.
SEE DETAIL E/79

MATCHLINE SEE SHEET 27

N 14° 58' 16" W - 1222.21'

EXISTING SHELTER AND SLAB TO REMAIN.

(3) U-RACK BICYCLE RACK
SEE DETAIL D/101

1:3 SLOPE ARTIFICIAL TURF BERM
SEE DETAIL A/95

8" FLUSH CURB

BASKETBALL & COOLING
STATION ENLARGEMENT

5" CLASS 'A' CONCRETE POST-TENSION
(BASKETBALL COURT)

BASKETBALL COURT SHELTER

4" CONCRETE SIDEWALK

STORM PIPE.
SEE CIVIL GRADING FOR SIZING.

EXISTING BASKETBALL COURT

LEGEND:

- EXISTING TREES
- DECIDUOUS SHADE TREES
- EVERGREEN TREES
- ORNAMENTAL TREES
- PROPERTY LINE
- EASEMENT LINE
- EXISTING FENCELINE
- LIMITS OF CONSTRUCTION
- EXPANSION JOINT
- CONTROL JOINT
- 8" FLUSH CURB
- CURB AND GUTTER
- 1 1/2" ARTIFICIAL TURF
- 2" ARTIFICIAL TURF
- DESERT GOLD SCREENINGS
- BERMUDA SOD (NETTING REMOVED)
- DURABOUND SURFACING SYSTEM
- CONCRETE SIDEWALK
- CONCRETE PERIMETER SIDEWALK (NO REINFORCEMENT, NO AGGREGATE BASE)
- INTEGRAL COLOR CONCRETE
- DURATHERM
- MULCH
- SOD
- PICNIC TABLE
- BENCH
- DRINKING FOUNTAIN
- LITTER RECEPTACLE
- ANCHORING STATION (BY OTHERS)
- SOLAR LIGHT POLE
- PARKING LOT LIGHT POLE
- SANDSTONE BOULDER

PROJECT # SP 21-6

FRED JOHNSON PARK
REHABILITATION

CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

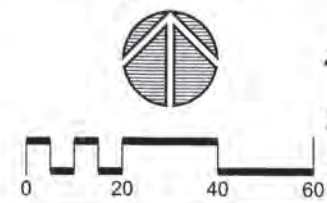
PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS

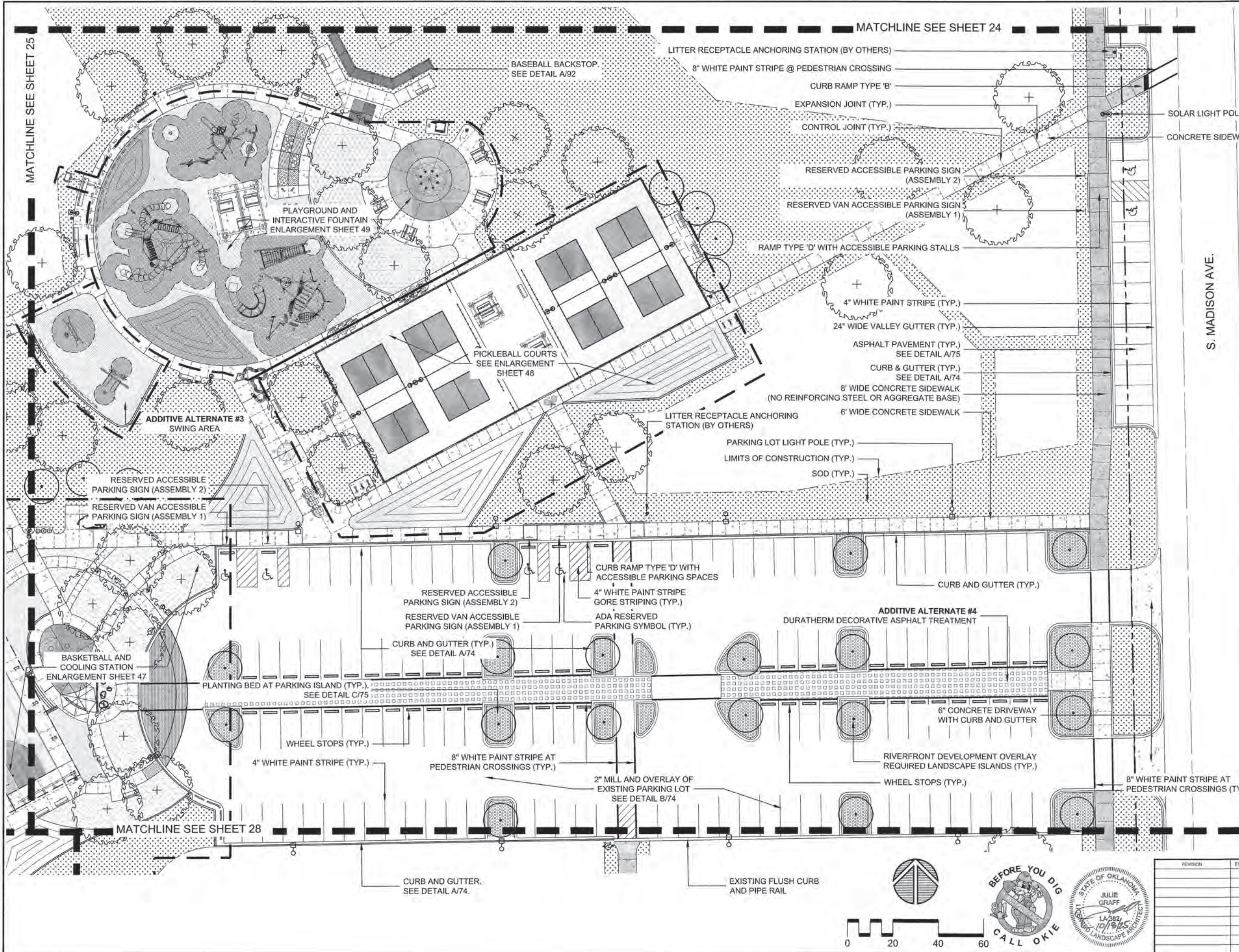
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DESIGNED	LPCI	DEC 2024
SURVEY	FLS	APR 2024
PROJ. MGR.	EL	12/10/25
LEAD ENGR.	EL	12/25
FIELD MGR.	EL	1/26

SITE PLAN (03)

SHEET

25 OF 119





LEGEND:

- EXISTING TREES
- DECIDUOUS SHADE TREES
- EVERGREEN TREES
- ORNAMENTAL TREES
- PROPERTY LINE
- EASEMENT LINE
- EXISTING FENCELINE
- LIMITS OF CONSTRUCTION
- EXPANSION JOINT
- CONTROL JOINT
- 8" FLUSH CURB
- CURB AND GUTTER
- 1 1/2" ARTIFICIAL TURF
- 2" ARTIFICIAL TURF
- DESERT GOLD SCREENINGS
- BERMUDA SOD (NETTING REMOVED)
- DURABOUND SURFACING SYSTEM
- CONCRETE SIDEWALK
- CONCRETE PERIMETER SIDEWALK (NO REINFORCEMENT, NO AGGREGATE BASE)
- INTEGRAL COLOR CONCRETE
- DURATHERM
- MULCH
- SOD
- PICNIC TABLE
- BENCH
- DRINKING FOUNTAIN
- LITTER RECEPTACLE ANCHORING STATION (BY OTHERS)
- SOLAR LIGHT POLE
- PARKING LOT LIGHT POLE
- SANDSTONE BOULDER

PROJECT # SP 21-6
FRED JOHNSON PARK REHABILITATION
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

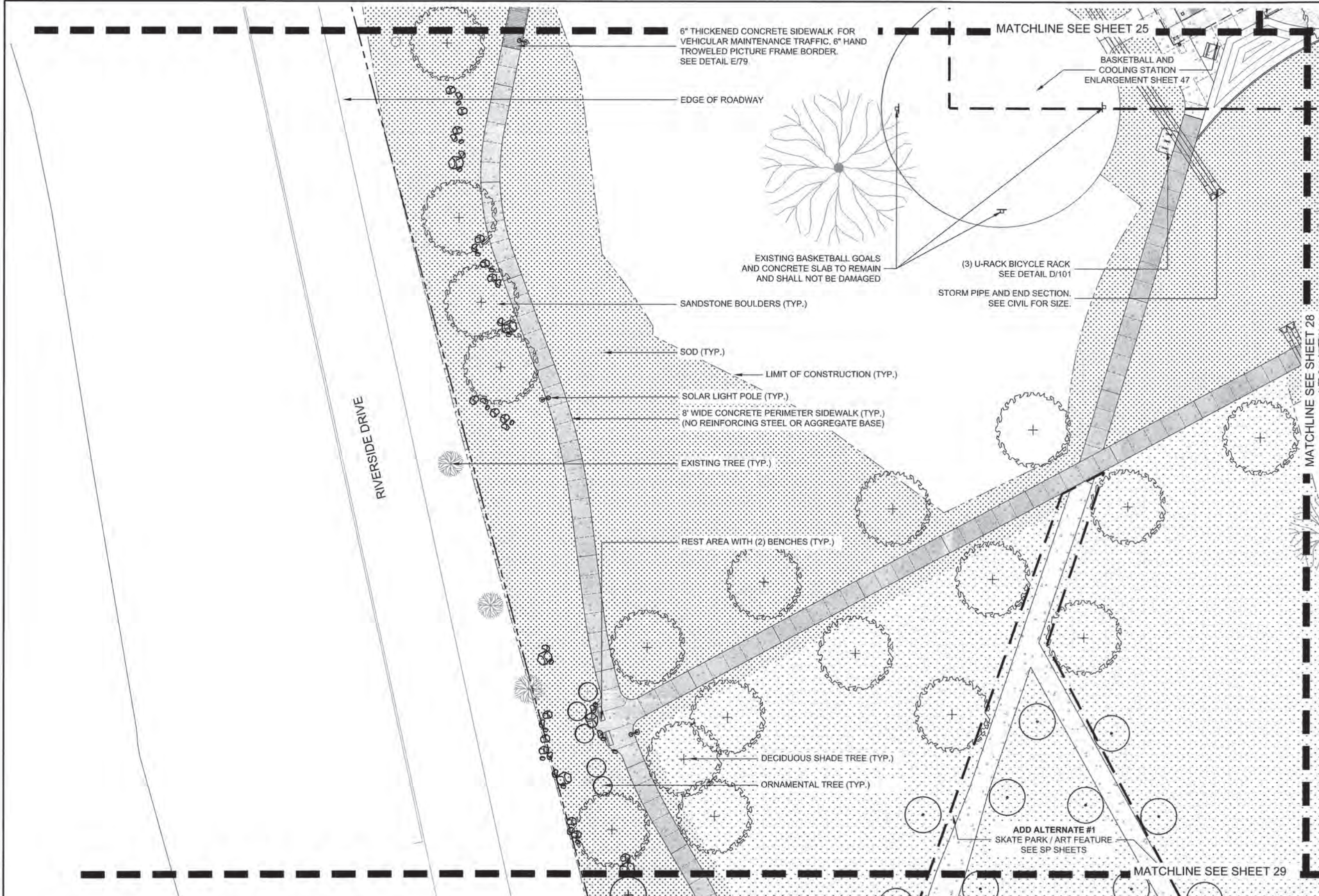
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LANDPLAN CONSULTANTS
1110 WEST 23RD TULSA, OK 74107 918-484-6454

REVISION	BY	DATE	DRAWN	DATE
			LPCI	OCT 2005
			LPCI	DEC 2004
			FLS	APR 2004
			PROJ. MGR.	12/10/05
			LEAD ENGR.	12/12/05
			FIELD MGR.	1/1/06

SHEET 26 OF 119

SITE PLAN (04)

P:\011 January ParkPlan\011 January Park Plan Sheets\04, 11/10/05 JOHNSON.PK



LEGEND:

- EXISTING TREES
- DECIDUOUS SHADE TREES
- EVERGREEN TREES
- ORNAMENTAL TREES
- PROPERTY LINE
- EASEMENT LINE
- EXISTING FENCELINE
- LIMITS OF CONSTRUCTION
- EXPANSION JOINT
- CONTROL JOINT
- 8" FLUSH CURB
- CURB AND GUTTER
- 1" ARTIFICIAL TURF
- 2" ARTIFICIAL TURF
- DESERT GOLD SCREENINGS
- BERMUDA SOD (NETTING REMOVED)
- DURABOUND SURFACING SYSTEM
- CONCRETE SIDEWALK
- CONCRETE PERIMETER SIDEWALK (NO REINFORCEMENT, NO AGGREGATE BASE)
- INTEGRAL COLOR CONCRETE
- DURATHERM
- MULCH
- SOD
- PICNIC TABLE
- BENCH
- DRINKING FOUNTAIN
- LITTER RECEPTACLE ANCHORING STATION (BY OTHERS)
- SOLAR LIGHT POLE
- PARKING LOT LIGHT POLE
- SANDSTONE BOULDER
- ADDITIVE ALTERNATE #1 SOD

PROJECT # SP 21-6
FRED JOHNSON PARK REHABILITATION
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 2ND ST. TULSA, OK 74107 918-594-6654

REVISION	BY	DATE

DRAWN	LPCI	OCT 2025
DESIGNED	LPCI	DEC 2024
SURVEY	FLS	APR 2024
PROJ. MGR.	SL	12/10/25
LEAD ENGR.	PA	12/25
FIELD MGR.	Paul	1/26

SITE PLAN (05)

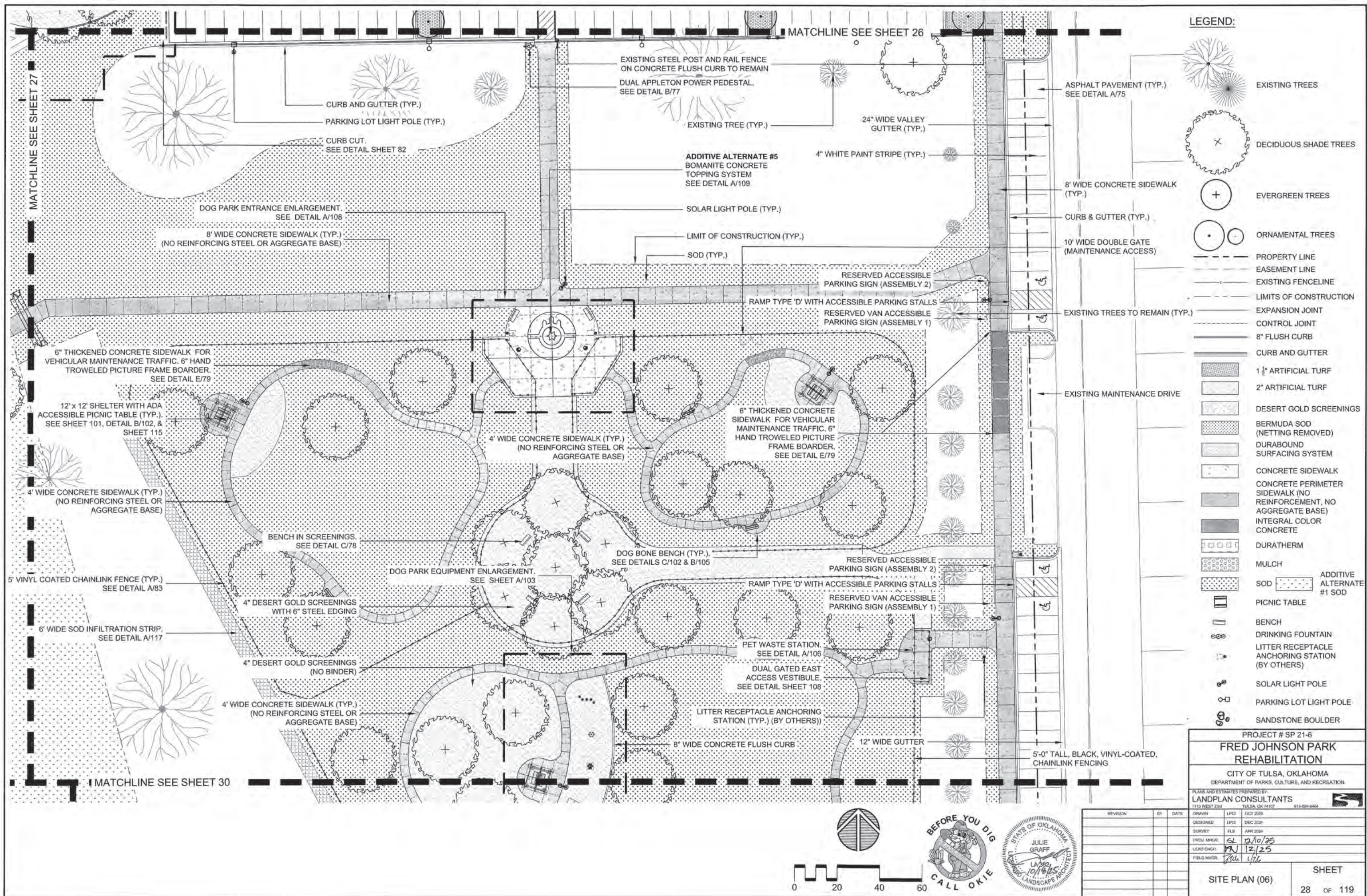
SHEET
27 OF 119

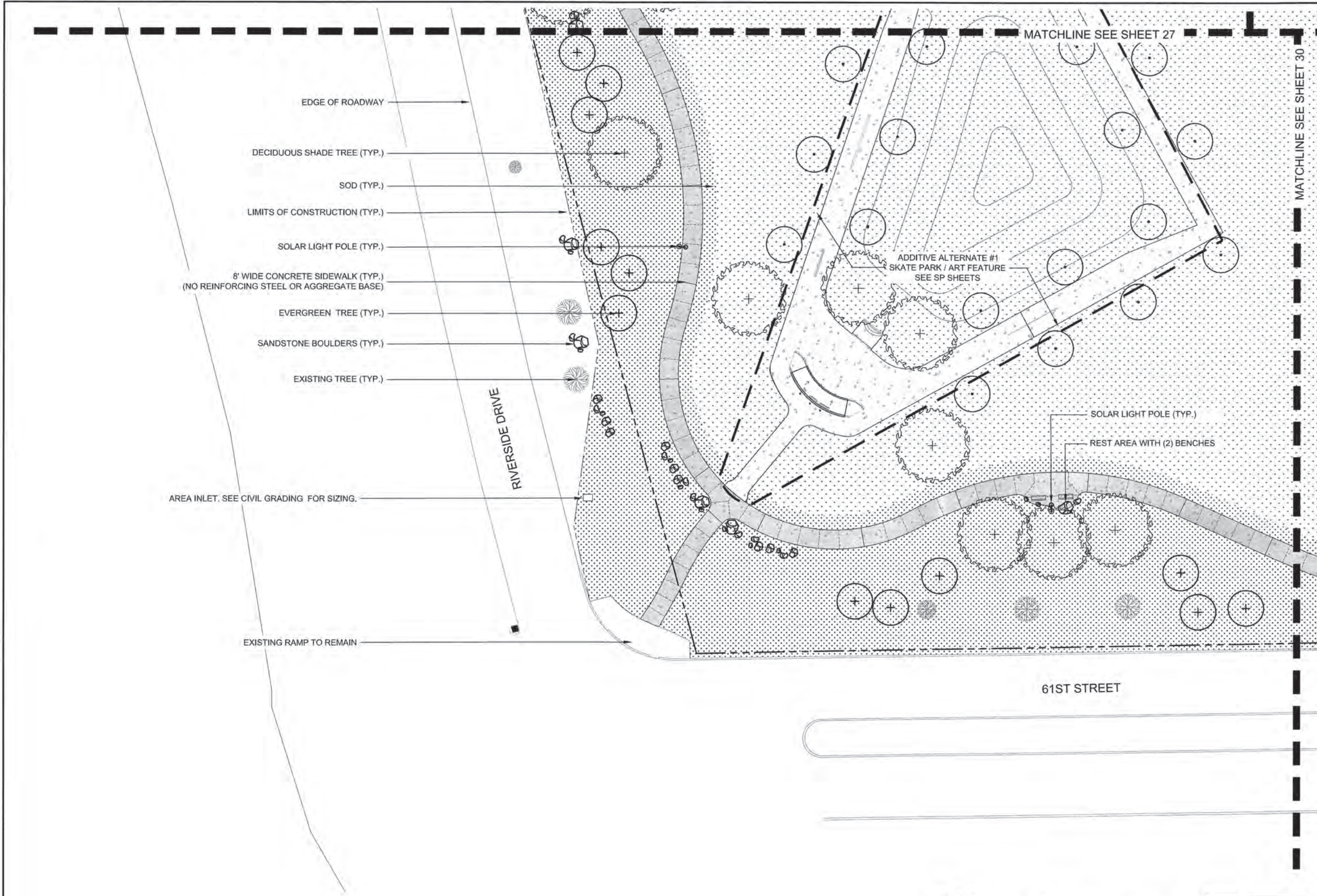
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BEFORE YOU DIG
CALL OKIE

STATE OF OKLAHOMA
JULIE GRAFF
LA 382
10/18/25
LANDSCAPE ARCHITECT

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- EDGE OF ROADWAY
- DECIDUOUS SHADE TREE (TYP.)
- SOD (TYP.)
- LIMITS OF CONSTRUCTION (TYP.)
- SOLAR LIGHT POLE (TYP.)
- 8' WIDE CONCRETE SIDEWALK (TYP.)
(NO REINFORCING STEEL OR AGGREGATE BASE)
- EVERGREEN TREE (TYP.)
- SANDSTONE BOULDERS (TYP.)
- EXISTING TREE (TYP.)

AREA INLET. SEE CIVIL GRADING FOR SIZING.

EXISTING RAMP TO REMAIN

RIVERSIDE DRIVE

61ST STREET

- LEGEND:**
- EXISTING TREES
 - DECIDUOUS SHADE TREES
 - EVERGREEN TREES
 - ORNAMENTAL TREES
 - PROPERTY LINE
 - EASEMENT LINE
 - EXISTING FENCELINE
 - LIMITS OF CONSTRUCTION
 - EXPANSION JOINT
 - CONTROL JOINT
 - 8" FLUSH CURB
 - CURB AND GUTTER
 - 1 1/2" ARTIFICIAL TURF
 - 2" ARTIFICIAL TURF
 - DESERT GOLD SCREENINGS
 - BERMUDA SOD (NETTING REMOVED)
 - DURABOUND SURFACING SYSTEM
 - CONCRETE SIDEWALK
 - CONCRETE PERIMETER SIDEWALK (NO REINFORCEMENT, NO AGGREGATE BASE)
 - INTEGRAL COLOR CONCRETE
 - DURATHERM
 - MULCH
 - SOD
 - ADDITIVE ALTERNATE #1 SOD
 - PICNIC TABLE
 - BENCH
 - DRINKING FOUNTAIN
 - LITTER RECEPTACLE
 - ANCHORING STATION (BY OTHERS)
 - SOLAR LIGHT POLE
 - PARKING LOT LIGHT POLE
 - SANDSTONE BOULDER

PROJECT # SP 21-6

FRED JOHNSON PARK REHABILITATION

CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23RD TULSA, OK 74107 918-584-6464

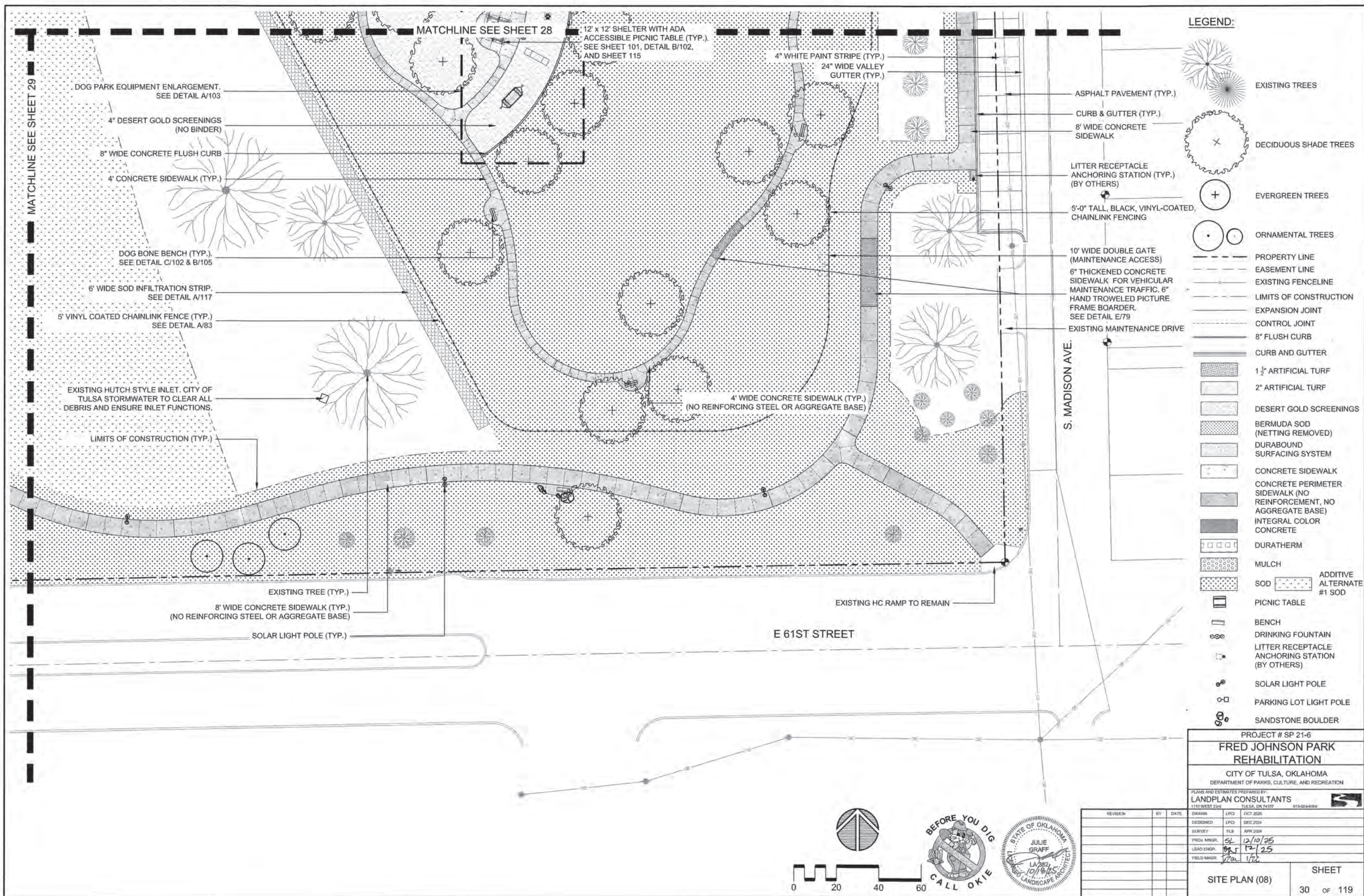
REVISION	BY	DATE

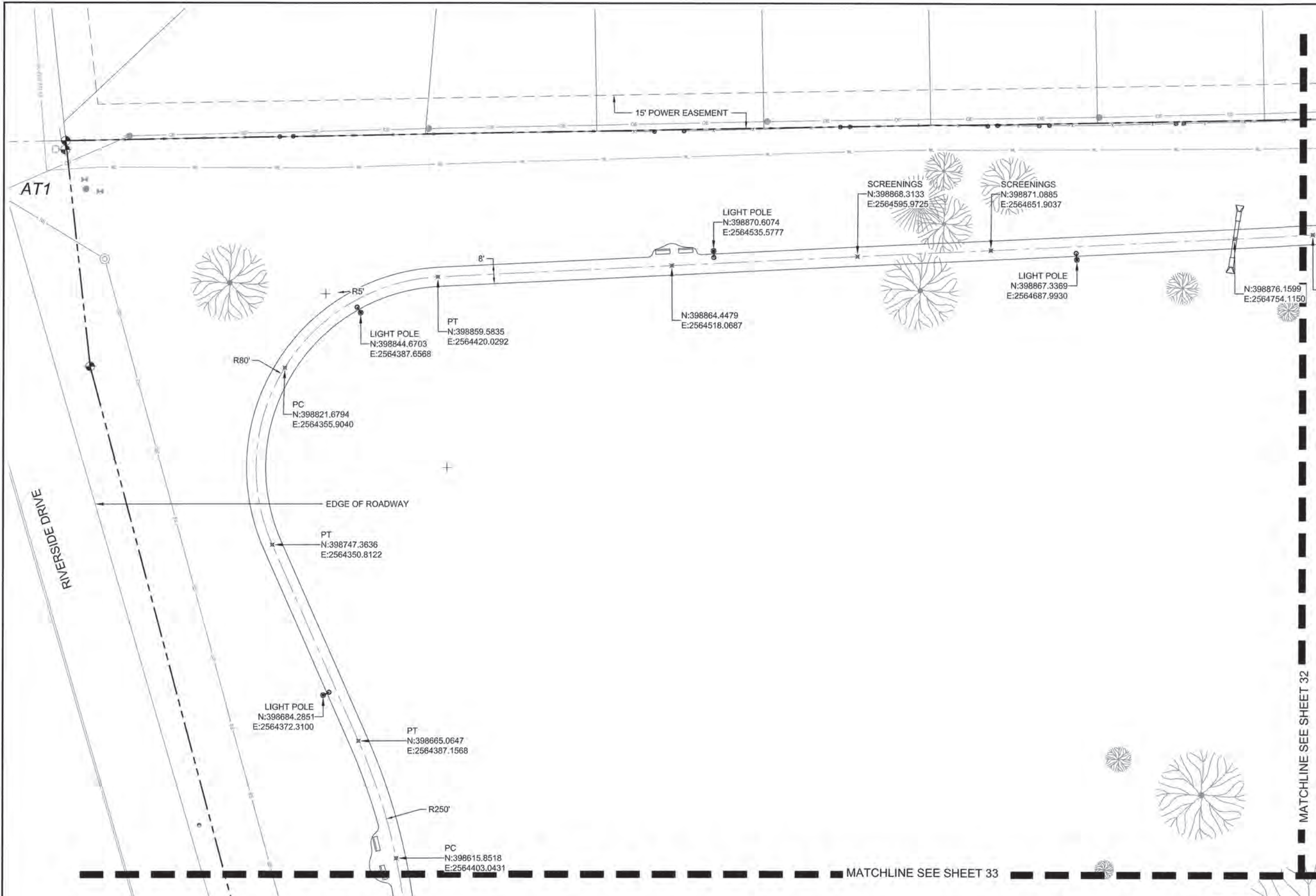
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DESIGNED	LPGJ	DEC 2024
SURVEY	FLS	APR 2024
PROJ. MGR.	SL	12/10/25
LEAD ENGR.	TV	12/25
FIELD MGR.		

SITE PLAN (07)

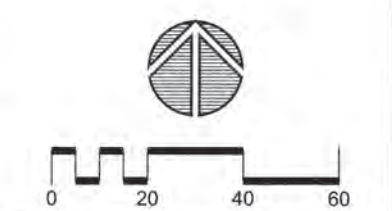
SHEET
29 OF 119

F:\111 Johnson Park\111 Johnson Park Sheets.dwg, 29, 12/10/2025 10:05:59 AM





- LEGEND:**
- N: NORTHING
 - E: EASTING
 - R: RADIUS
 - : SIDEWALK CENTERLINE
 - - - -: PROPERTY LINE
 - - - -: EASEMENT LINE
 - - - -: EXISTING FENCELINE
 - : STORMWATER PIPE
 - STMH: STORM SEWER MANHOLE
 - DGDI: DOUBLE GRATE DROP INLET
 - SGDI: SINGLE GRATE DROP INLET
 - : SANITARY SEWER
 - SSMH: SANITARY SEWER MANHOLE
 - : OVERHEAD ELECTRIC
 - EM: ELECTRIC METER
 - EPED: ELECTRIC PEDESTAL
 - ET: ELECTRIC TRANSFORMER
 - LP: LIGHT POLE
 - PP: POWER POLE
 - GUY: GUY ANCHOR
 - : UNDERGROUND COMMUNICATION LINE
 - TPED: TELEPHONE PEDESTAL
 - : WATER LINE
 - WM: WATER METER
 - WV: WATER VALVE
 - FH: FIRE HYDRANT
 - ICV: IRRIGATION CONTROL VALVE
 - TS: TRAFFIC SIGN
 - TSLP: TRAFFIC SIGNAL LIGHT POLE
 - o: MARKER (PIPELINE, ETC.)
 - x: SPOT ELEVATION
 - Δ: CONTROL POINT
 - ⊕: BENCHMARK & PROPERTY CORNERS
 - : PARKING LOT LIGHT
 - ⊙: SOLAR LIGHT POLE



PROJECT # SP 21-6
FRED JOHNSON PARK REHABILITATION
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23RD TULSA, OK 74107 918-584-4454

REVISION	BY	DATE

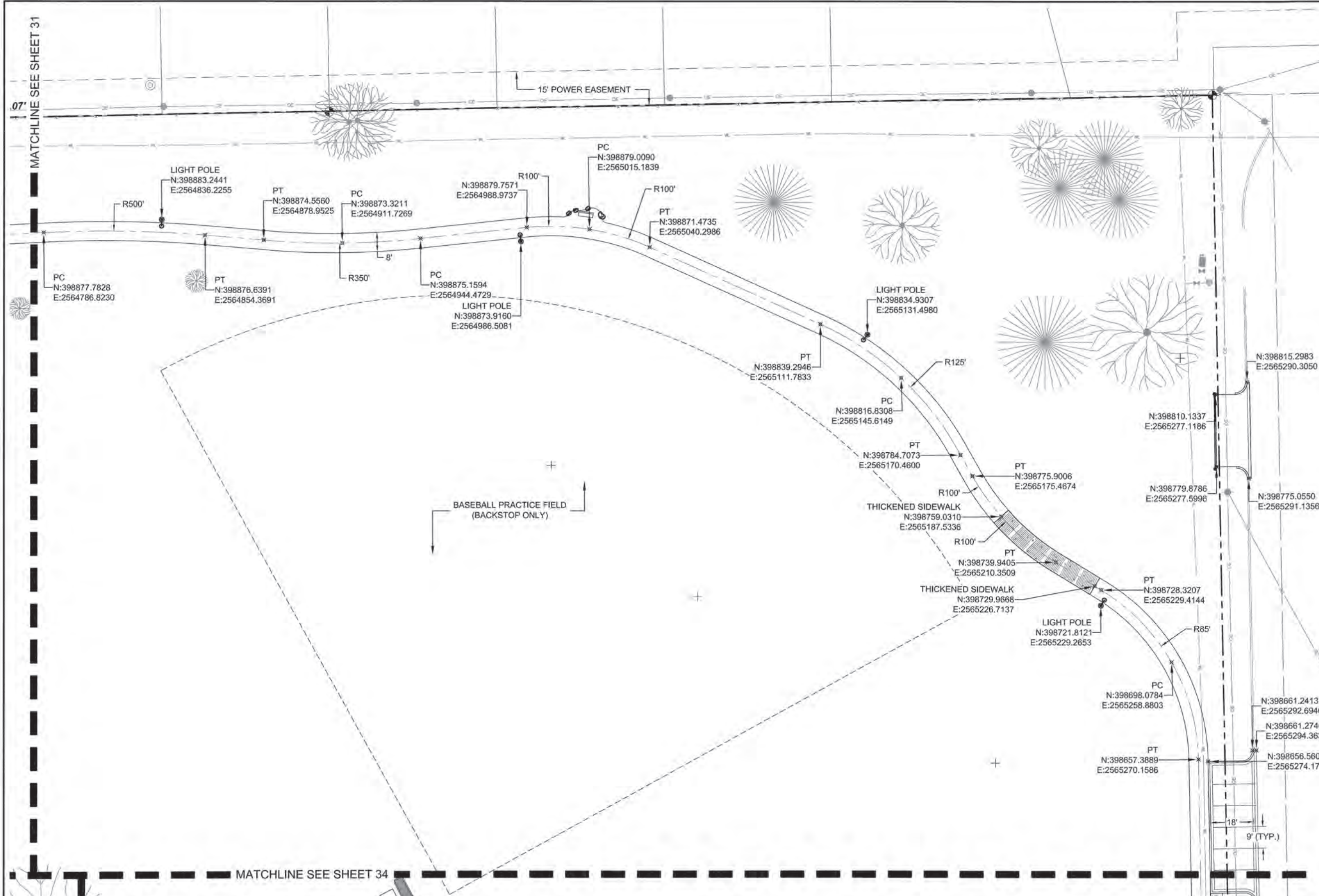
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DESIGNED	LPCI	DEC 2024
SURVEY	FLS	APR 2024
PROJ. MGR.	EL	12/10/25
LEAD ENGR.	EL	12/29
FIELD MGR.	EL	1/7/26

LAYOUT PLAN (01)

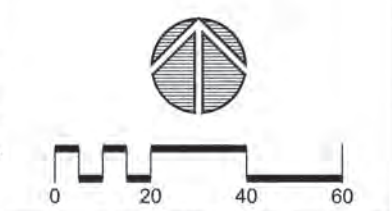
SHEET
31 OF 119

NOTE:
AWARDED CONTRACTOR WILL BE PROVIDED DIGITAL FILES FOR CONSTRUCTION LAYOUT.





- LEGEND:**
- N: NORTHING
 - E: EASTING
 - R: RADIUS
 - : SIDEWALK CENTERLINE
 - - - - : PROPERTY LINE
 - - - - : EASEMENT LINE
 - - - - : EXISTING FENCELINE
 - : STORMWATER PIPE
 - STMH: STORM SEWER MANHOLE
 - DGDI: DOUBLE GRATE DROP INLET
 - SGDI: SINGLE GRATE DROP INLET
 - SS: SANITARY SEWER
 - SSMH: SANITARY SEWER MANHOLE
 - OE: OVERHEAD ELECTRIC
 - EM: ELECTRIC METER
 - EPED: ELECTRIC PEDESTAL
 - ET: ELECTRIC TRANSFORMER
 - LP: LIGHT POLE
 - PP: POWER POLE
 - GUY: GUY ANCHOR
 - UG: UNDERGROUND COMMUNICATION LINE
 - TPED: TELEPHONE PEDESTAL
 - WL: WATER LINE
 - WM: WATER METER
 - WV: WATER VALVE
 - FH: FIRE HYDRANT
 - ICV: IRRIGATION CONTROL VALVE
 - TS: TRAFFIC SIGN
 - TSLP: TRAFFIC SIGNAL LIGHT POLE
 - MP: MARKER (PIPELINE, ETC.)
 - X: SPOT ELEVATION
 - △: CONTROL POINT
 - ⊕: BENCHMARK & PROPERTY CORNERS
 - : PARKING LOT LIGHT
 - ☉: SOLAR LIGHT POLE



PROJECT # SP 21-6
**FRED JOHNSON PARK
REHABILITATION**
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23RD TULSA, OK 74107 918-584-6641

REVISION	BY	DATE

DRAWN	LPC	OCT 2025
DESIGNED	LPC	DEC 2024
SURVEY	FLS	APR 2024
PROJ. MGR.	SL	12/10/25
LEAD ENGR.	SL	12/12/25
FIELD MGR.	SL	1/1/26

LAYOUT PLAN (02)

SHEET
32 OF 119



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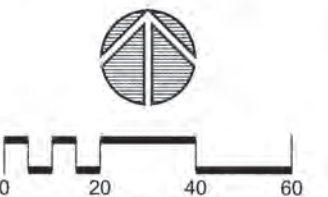
MATCHLINE SEE SHEET 31

RIVERSIDE DRIVE

MATCHLINE SEE SHEET 35

LEGEND:

- N: NORTHING
E: EASTING
R: RADIUS
- SIDEWALK CENTERLINE
--- PROPERTY LINE
--- EASEMENT LINE
--- EXISTING FENCELINE
--- STORMWATER PIPE
- STMH (C) STORM SEWER MANHOLE
DGDI (C) DOUBLE GRATE DROP INLET
SGDI (C) SINGLE GRATE DROP INLET
--- SANITARY SEWER
SSMH (C) SANITARY SEWER MANHOLE
--- OVERHEAD ELECTRIC
EM (C) ELECTRIC METER
EPED (C) ELECTRIC PEDESTAL
ET (C) ELECTRIC TRANSFORMER
LP (C) LIGHT POLE
PP (C) POWER POLE
GUY (C) GUY ANCHOR
--- UNDERGROUND
COMMUNICATION LINE
TPED (C) TELEPHONE PEDESTAL
--- WATER LINE
- WM (C) WATER METER
WV (C) WATER VALVE
FH (C) FIRE HYDRANT
ICV (C) IRRIGATION CONTROL VALVE
TS (C) TRAFFIC SIGN
TSLP (C) TRAFFIC SIGNAL LIGHT POLE
o MARKER (PIPELINE, ETC.)
x SPOT ELEVATION
A CONTROL POINT
BENCHMARK & PROPERTY CORNERS
o-o PARKING LOT LIGHT
o-o SOLAR LIGHT POLE



PROJECT # SP 21-6
**FRED JOHNSON PARK
REHABILITATION**
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

PLANS AND ESTIMATES PREPARED BY			
LANDPLAN CONSULTANTS			
1110 WEST 23rd	TULSA, OK 74107	918-384-4564	
REVISION	BY	DATE	
DRAWN	LPCI	OCT 2025	
DESIGNED	LPCI	DEC 2024	
SURVEY	FLS	APR 2024	
PROJ. MGR.	SL	12/10/25	
LEAD ENGR.	BA	12/25	
FIELD MGR.	JHU	1/24	

LAYOUT PLAN (03)

SHEET

33 OF 119



R250'

PT
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E:2564408.4550

LIGHT POLE
N:398540.4449
E:2564414.0764

PT
N:398511.8318
E:2564408.9298

PC
N:398462.4323
E:2564417.2009

R160'

PT
N:398418.0413
E:2564440.3401

LIGHT POLE
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E:2564450.6546

PT
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E:2564477.4915

PC
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PT
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THICKENED SIDEWALK
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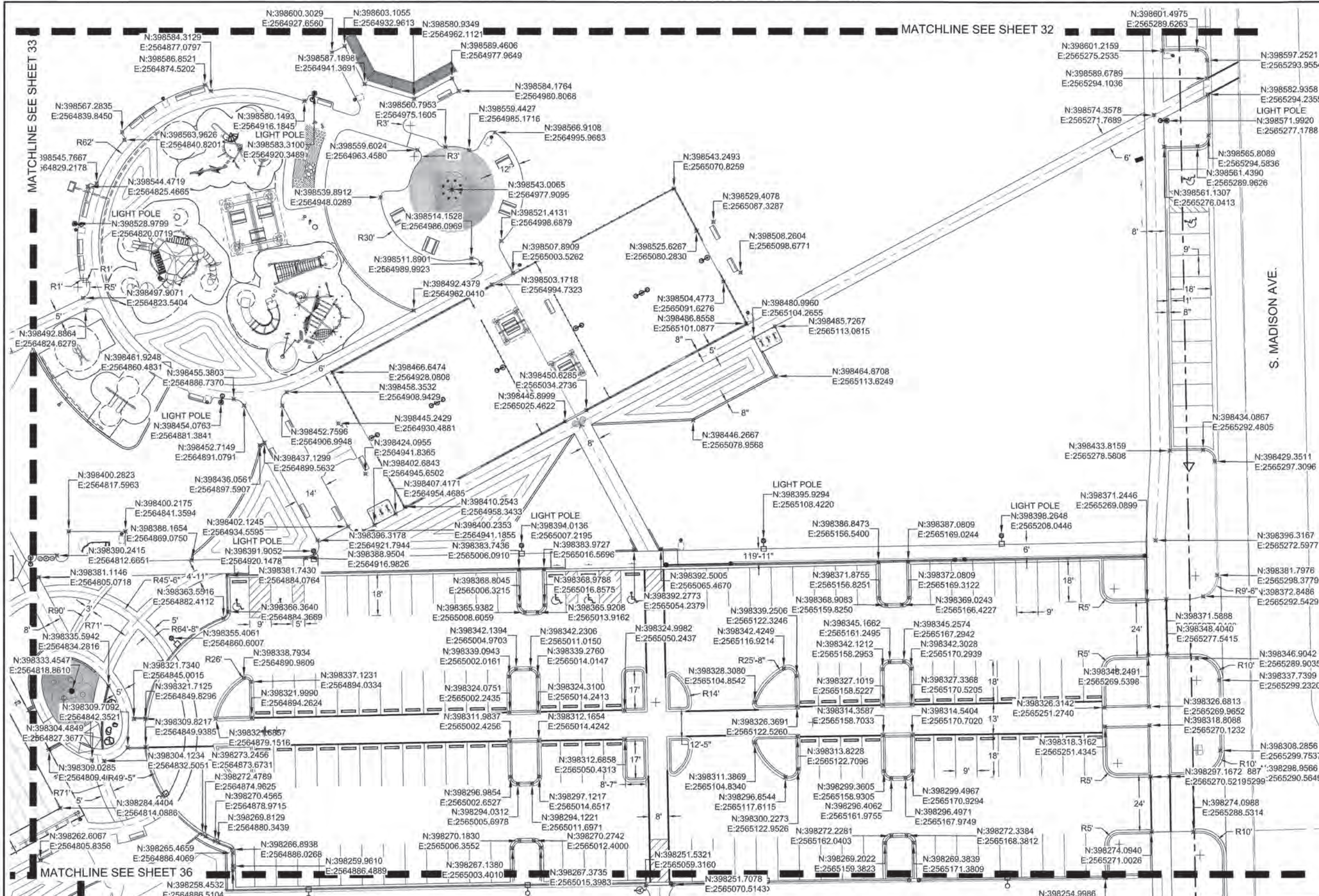
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POST-TENSION CORNER
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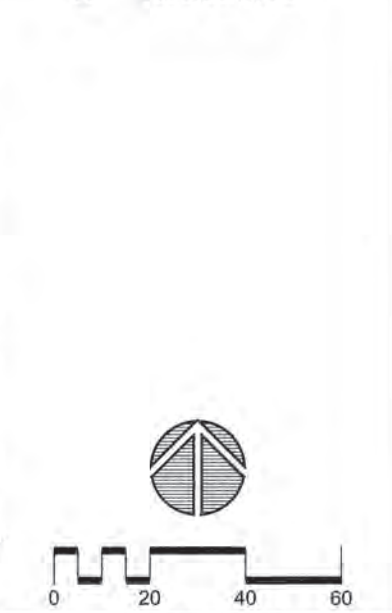
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- LEGEND:**
- N: NORTHING
 - E: EASTING
 - R: RADIUS
 - : SIDEWALK CENTERLINE
 - - - - -: PROPERTY LINE
 - - - - -: EASEMENT LINE
 - - - - -: EXISTING FENCELINE
 - - - - -: STORMWATER PIPE
 - STMH: STORM SEWER MANHOLE
 - DGDI: DOUBLE GRATE DROP INLET
 - SGDI: SINGLE GRATE DROP INLET
 - SSMH: SANITARY SEWER MANHOLE
 - : OVERHEAD ELECTRIC
 - EM: ELECTRIC METER
 - EPED: ELECTRIC PEDESTAL
 - ET: ELECTRIC TRANSFORMER
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 - GUY: GUY ANCHOR
 - : UNDERGROUND COMMUNICATION LINE
 - TPED: TELEPHONE PEDESTAL
 - : WATER LINE
 - WM: WATER METER
 - WV: WATER VALVE
 - FH: FIRE HYDRANT
 - ICV: IRRIGATION CONTROL VALVE
 - TS: TRAFFIC SIGN
 - TSPL: TRAFFIC SIGNAL LIGHT POLE
 - MARKER (PIPELINE, ETC.): MARKER (PIPELINE, ETC.)
 - X: SPOT ELEVATION
 - Δ: CONTROL POINT
 - ⊕: BENCHMARK & PROPERTY CORNERS
 - : PARKING LOT LIGHT
 - ☉: SOLAR LIGHT POLE



PROJECT # SP 21-6
FRED JOHNSON PARK REHABILITATION
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23RD TULSA, OK 74107 918-484-6565

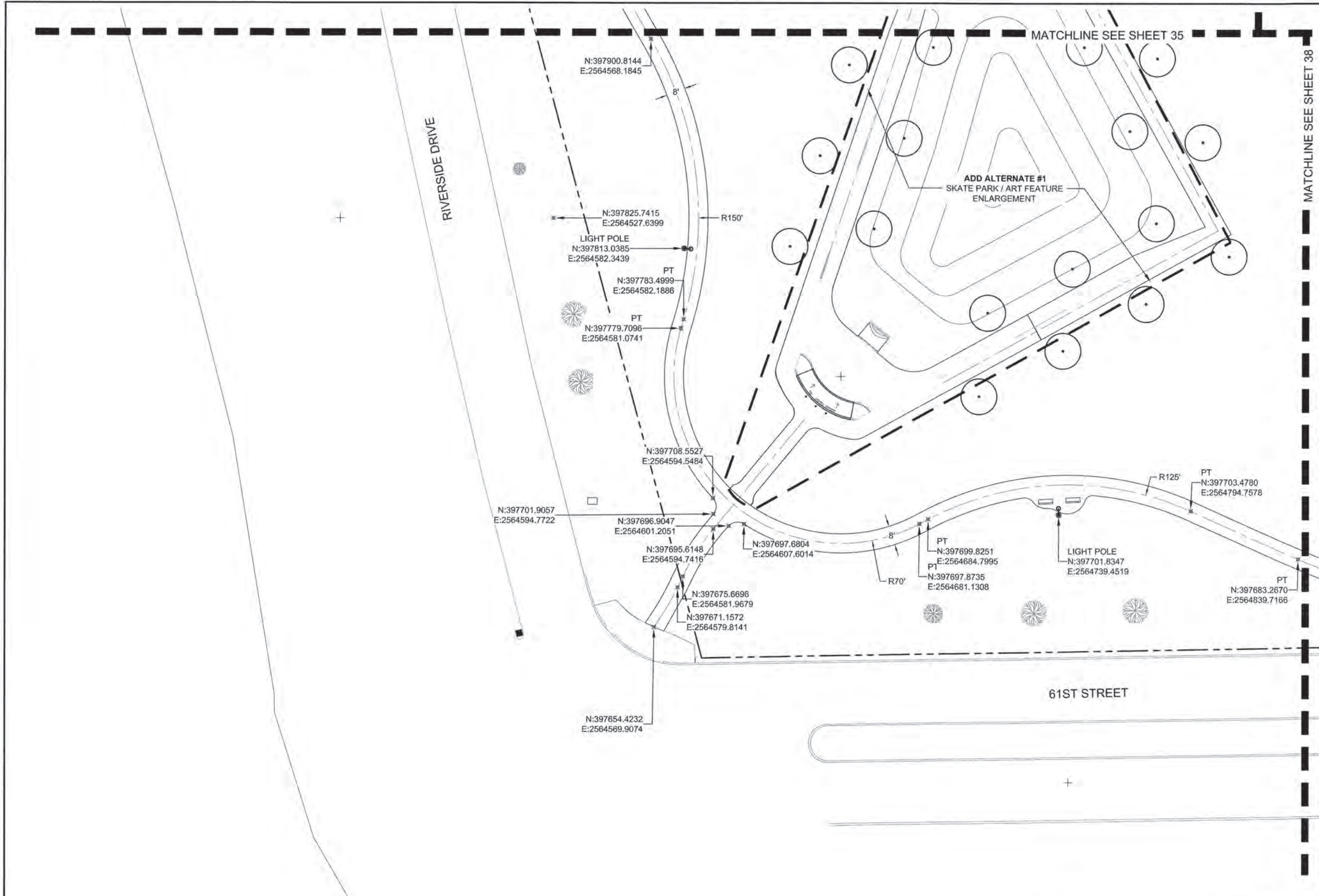
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2	LPD	DEC 2024
3	PLS	APR 2024
4	LA	12/10/25
5	LA	12/25
6	LA	1/16

PROJ. MGR. 54
LEAD ENGR. 12/25
FIELD MGR. 1/16

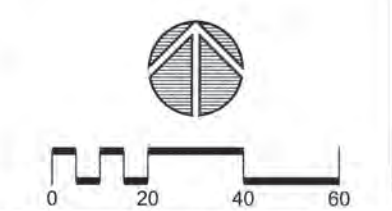
LAYOUT PLAN (04)

SHEET
34 OF 119

111013 Johnson Park Rehab 013-Johnson Park Sheets.dwg, 34, 12/10/2025 10:05:38 AM



- LEGEND:**
- N: NORTHING
 - E: EASTING
 - R: RADIUS
 - : SIDEWALK CENTERLINE
 - - - - : PROPERTY LINE
 - - - - : EASEMENT LINE
 - - - - : EXISTING FENCELINE
 - - - - : STORMWATER PIPE
 - STMH: STORM SEWER MANHOLE
 - DGDI: DOUBLE GRATE DROP INLET
 - SGDI: SINGLE GRATE DROP INLET
 - SSMH: SANITARY SEWER
 - SSMH: SANITARY SEWER MANHOLE
 - EM: OVERHEAD ELECTRIC
 - EPED: ELECTRIC METER
 - ET: ELECTRIC PEDESTAL
 - LP: LIGHT POLE
 - PP: POWER POLE
 - GUY: GUY ANCHOR
 - UNDERGROUND: UNDERGROUND
 - COMMUNICATION LINE: COMMUNICATION LINE
 - TPED: TELEPHONE PEDESTAL
 - WM: WATER METER
 - WM: WATER VALVE
 - FH: FIRE HYDRANT
 - ICV: IRRIGATION CONTROL VALVE
 - TS: TRAFFIC SIGN
 - TSLP: TRAFFIC SIGNAL LIGHT POLE
 - MARKER (PIPELINE, ETC.): MARKER (PIPELINE, ETC.)
 - X: SPOT ELEVATION
 - △: CONTROL POINT
 - ⊕: BENCHMARK & PROPERTY CORNERS
 - : PARKING LOT LIGHT
 - ⊙: SOLAR LIGHT POLE



PROJECT # SP 21-6
FRED JOHNSON PARK REHABILITATION
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

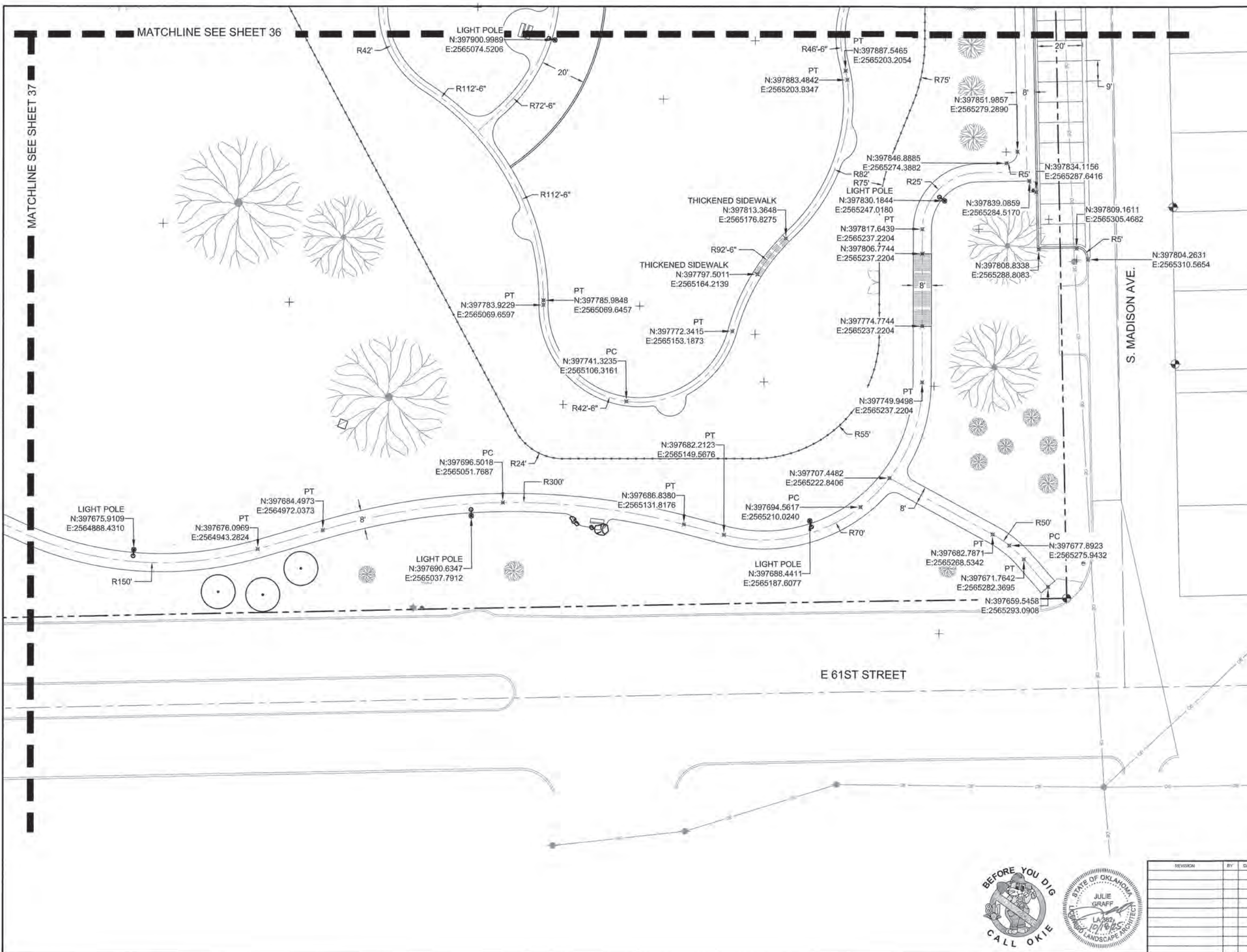
PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23RD TULSA, OK 74107 918-584-6484

REVISION	BY	DATE

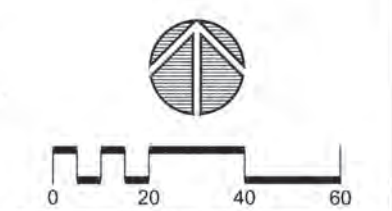
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DESIGNED	LPCI	DEC 2024
SURVEY	FLS	APR 2024
PROJ. MGR.	SL	12/10/25
LEAD ENGR.	SL	12/25
FIELD MGR.	SL	1/26

LAYOUT PLAN (07)	SHEET
	37 OF 119





- LEGEND:**
- N: NORTHING
 - E: EASTING
 - R: RADIUS
 - : SIDEWALK CENTERLINE
 - - - - -: PROPERTY LINE
 - - - - -: EASEMENT LINE
 - - - - -: EXISTING FENCELINE
 - - - - -: STORMWATER PIPE
 - STMH: STORM SEWER MANHOLE
 - DGDI: DOUBLE GRATE DROP INLET
 - SGDI: SINGLE GRATE DROP INLET
 - SSMH: SANITARY SEWER MANHOLE
 - : OVERHEAD ELECTRIC
 - EM: ELECTRIC METER
 - EPED: ELECTRIC PEDESTAL
 - ET: ELECTRIC TRANSFORMER
 - LP: LIGHT POLE
 - PP: POWER POLE
 - GUY: GUY ANCHOR
 - UNDERGROUND: UNDERGROUND COMMUNICATION LINE
 - TPED: TELEPHONE PEDESTAL
 - : WATER LINE
 - WM: WATER METER
 - WV: WATER VALVE
 - FH: FIRE HYDRANT
 - ICV: IRRIGATION CONTROL VALVE
 - TS: TRAFFIC SIGN
 - TSLP: TRAFFIC SIGNAL LIGHT POLE
 - MARKER (PIPELINE, ETC.): MARKER (PIPELINE, ETC.)
 - X: SPOT ELEVATION
 - △: CONTROL POINT
 - ⊕: BENCHMARK & PROPERTY CORNERS
 - : PARKING LOT LIGHT
 - ⊙: SOLAR LIGHT POLE



PROJECT # SP 21-6

FRED JOHNSON PARK REHABILITATION

CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23rd TULSA, OK 74107 918-234-4444

REVISION	BY	DATE

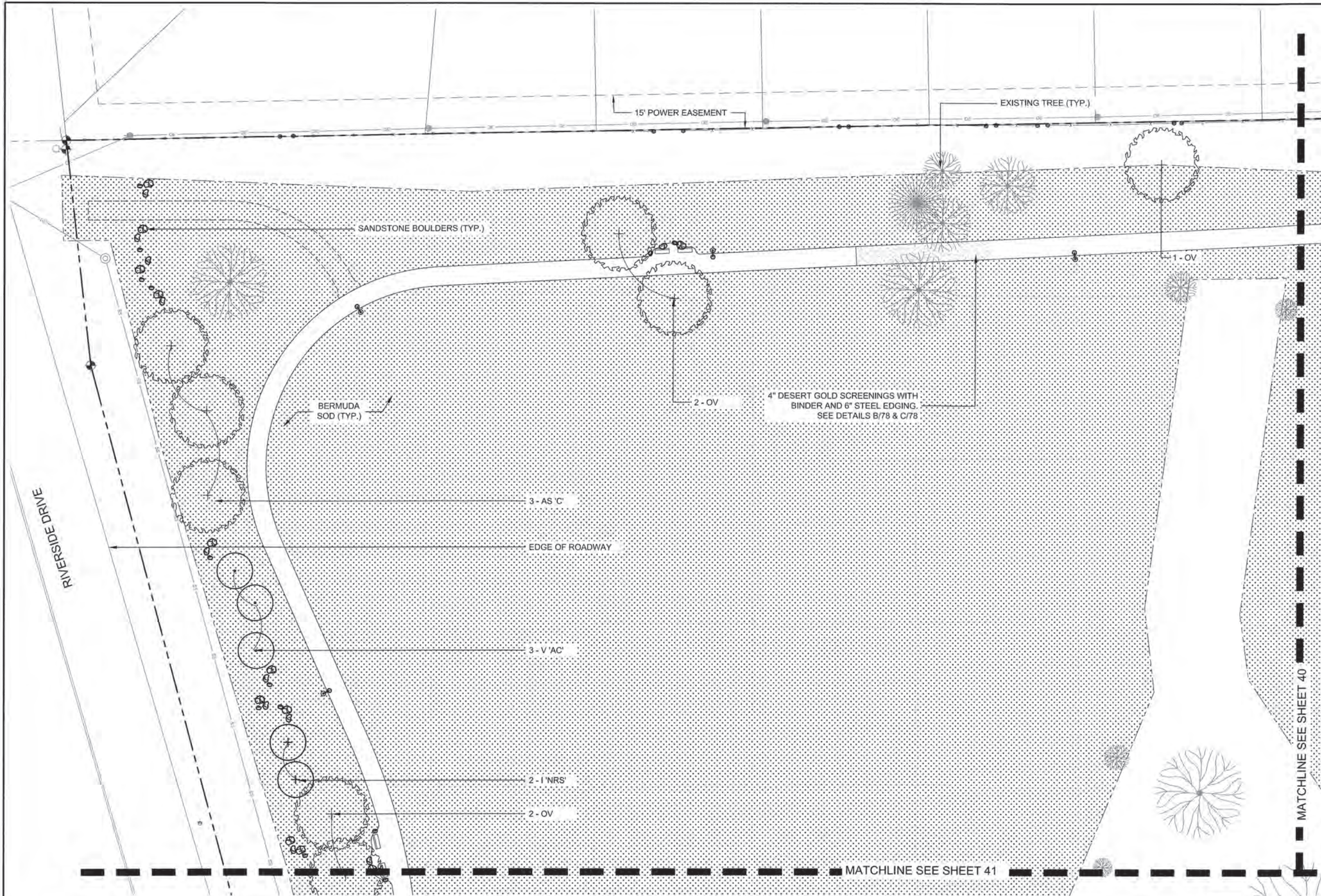
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DESIGNED	LPCI	DEC 2024		
SURVEY	FLS	APR 2024		
PROJ. MGR.	SL	12/10/25		
LEAD ENGR.	LA	12/16/25		
FIELD MGR.	Daw	1/25		

LAYOUT PLAN (08)

SHEET
38 OF 119



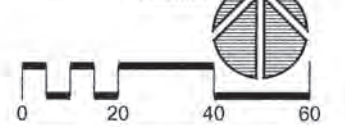
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LEGEND

- EXISTING TREES
- DECIDUOUS CANOPY TREES
- EVERGREEN TREES
- ORNAMENTAL TREES
- U-3 BERMUDA SOD
- ADDITIVE ALTERNATE #1
- U-3 BERMUDA SOD
- SHREDDED CYPRESS MULCH
- DESERT GOLD SCREENINGS
- SLATE SCREENINGS
- SANDSTONE BOULDERS

ABBR	COMMON NAME
OV	AMERICAN HOPHORNBEAM
UC	CEDAR ELM
AS 'C'	CADD O MAPLE
QA	WHITE OAK
QM	BUR OAK
CI	PECAN
PE	SHORTLEAF PINE
PT	LOBLOLLY PINE
I 'NRS'	NELLIE R STEVENS
CL	DESERT WILLOW
MV	SWEET BAY MAGNOLIA
V 'AC'	CHASTE TREE
PV	CANADA RED CHOKECHERRY
M 'SS'	SPRING SNOW CRABAPPLE
CC 'OS'	OKLAHOMA SPARKLER REDBUD



PROJECT # SP 21-6

FRED JOHNSON PARK REHABILITATION

CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23RD TULSA, OK 74107 918-594-6464

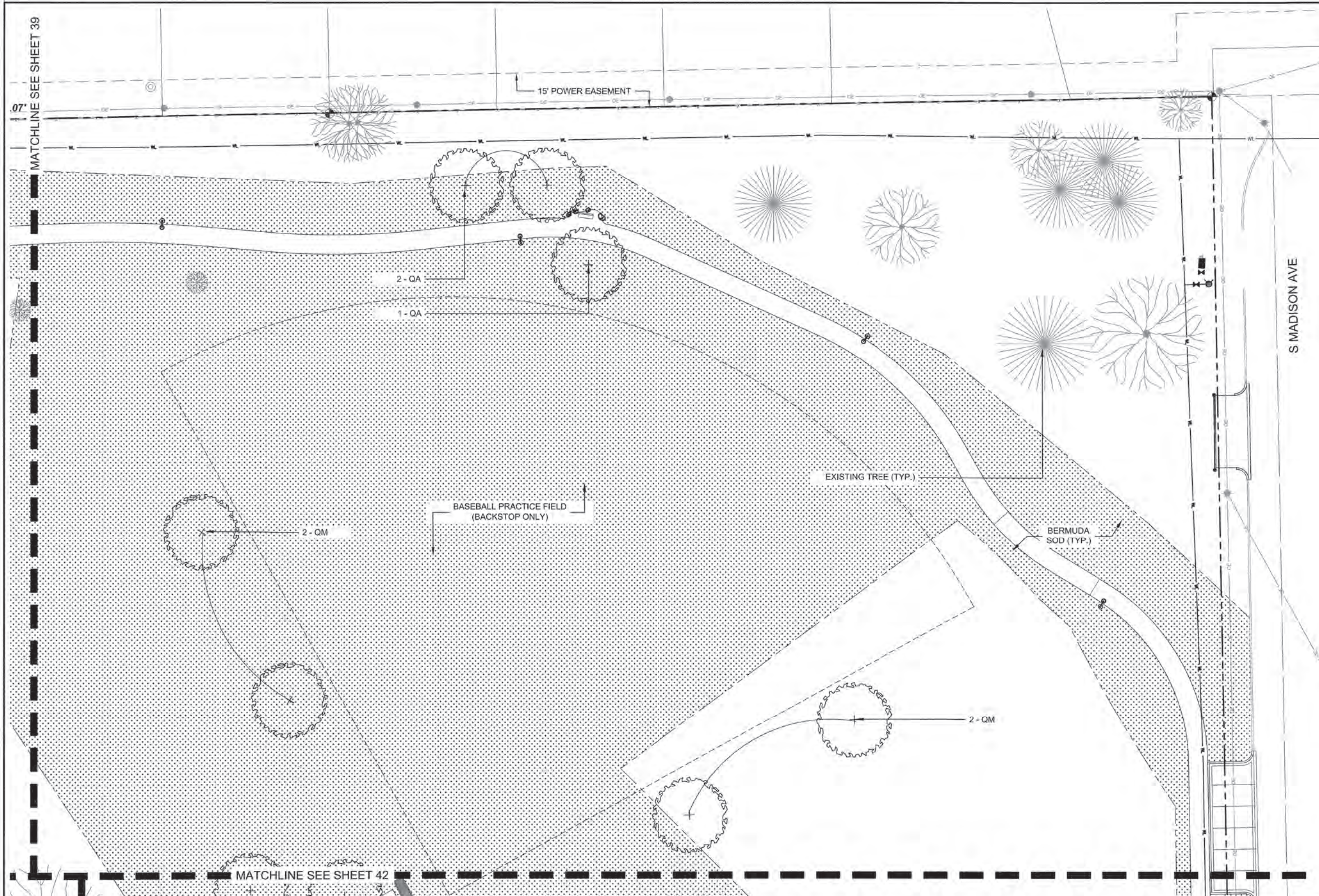
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			LPCI	DEC 2024
			FLS	APR 2024
			PROJ. MGR.	12/10/25
			LEAD ENGR.	12/25
			FIELD MGR.	1/16

PLANTING PLAN (01)

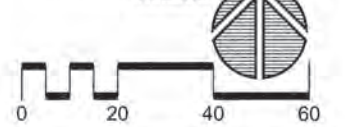
SHEET 39 OF 119



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LEGEND	
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	DECIDUOUS CANOPY TREES
	EVERGREEN TREES
	ORNAMENTAL TREES
	U-3 BERMUDA SOD
	ADDITIVE ALTERNATE #1
	U-3 BERMUDA SOD
	SHREDDED CYPRESS MULCH
	DESERT GOLD SCREENINGS
	SLATE SCREENINGS
	SANDSTONE BOULDERS
ABBR	COMMON NAME
OV	AMERICAN HOPHORNBEAM
UC	CEDAR ELM
AS 'C'	CADDO MAPLE
QA	WHITE OAK
QM	BUR OAK
CI	PECAN
PE	SHORTLEAF PINE
PT	LOBLOLLY PINE
I 'NRS'	NELLIE R STEVENS
CL	DESERT WILLOW
MV	SWEET BAY MAGNOLIA
V 'AC'	CHASTE TREE
PV	CANADA RED CHOKECHERRY
M 'SS'	SPRING SNOW CRABAPPLE
CC 'OS'	OKLAHOMA SPARKLER REDBUD



PROJECT # SP 21-6
**FRED JOHNSON PARK
REHABILITATION**
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION
PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1115 WEST 23rd TULSA, OK 74107 918-584-6164



REVISION	BY	DATE	DRAWN	LPCI	OCT 2025
			DESIGNED	LPCI	DEC 2024
			SURVEY	FLS	APR 2024
			PROJ. MGR.	SL	12/10/25
			LEAD ENGR.	SL	12/25
			FIELD MGR.	SL	1/1/26
PLANTING PLAN (02)					
SHEET					
40 OF 119					

Project: Fred Johnson Park Rehabilitation
Sheet: 40 of 119
Date: 1/1/2025 10:15:15 AM

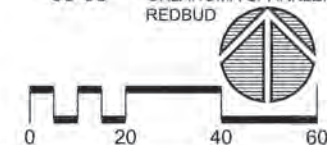
MATCHLINE SEE SHEET 39

RIVERSIDE DRIVE

MATCHLINE SEE SHEET 43

LEGEND

- EXISTING TREES
- DECIDUOUS CANOPY TREES
- EVERGREEN TREES
- ORNAMENTAL TREES
- U-3 BERMUDA SOD
- SHREDDED CYPRESS MULCH
- DESERT GOLD SCREENINGS
- SLATE SCREENINGS
- SANDSTONE BOULDERS
- ABBR COMMON NAME
- OV AMERICAN HOPHORNBEAM
- UC CEDAR ELM
- AS 'C' CADDY MAPLE
- QA WHITE OAK
- QM BUR OAK
- CI PECAN
- PE SHORLEAF PINE
- PT LOBLOLLY PINE
- I 'NRS' NELLIE R STEVENS
- CL DESERT WILLOW
- MV SWEET BAY MAGNOLIA
- V 'AC' CHASTE TREE
- PV CANADA RED CHOKECHERRY
- M 'SS' SPRING SNOW CRABAPPLE
- CC 'OS' OKLAHOMA SPARKLER REDBUD



PROJECT # SP 21-6
FRED JOHNSON PARK
REHABILITATION
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

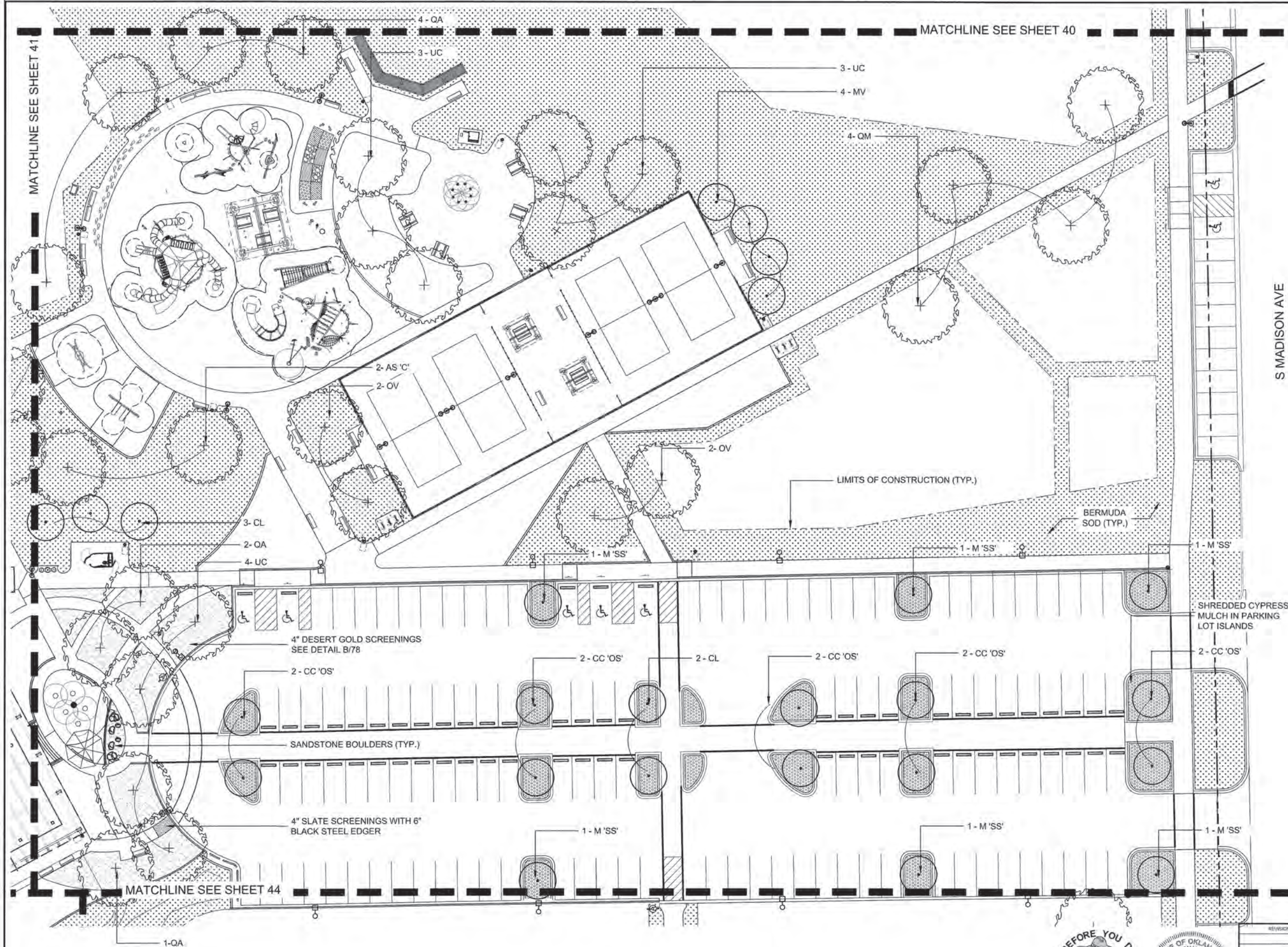
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DESIGNED	LPCI	DEC 2024	
SURVEY	FLS	APR 2024	
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FIELD MGR.	DM	1/16	

PLANTING PLAN (03)

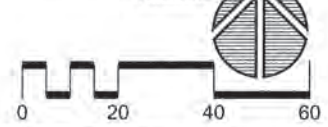
SHEET

41 OF 119





LEGEND	
	EXISTING TREES
	DECIDUOUS CANOPY TREES
	EVERGREEN TREES
	ORNAMENTAL TREES
	U-3 BERMUDA SOD
	ADDITIVE ALTERNATE #1
	U-3 BERMUDA SOD
	SHREDDED CYPRESS MULCH
	DESERT GOLD SCREENINGS
	SLATE SCREENINGS
	SANDSTONE BOULDERS
ABBR	COMMON NAME
OV	AMERICAN HOPHORNBEAM
UC	CEDAR ELM
AS 'C'	CADDO MAPLE
QA	WHITE OAK
QM	BUR OAK
CI	PECAN
PE	SHORTLEAF PINE
PT	LOBLOLLY PINE
I 'NRS'	NELLIE R STEVENS
CL	DESERT WILLOW
MV	SWEET BAY MAGNOLIA
V 'AC'	CHASTE TREE
PV	CANADA RED CHOKECHERRY
M 'SS'	SPRING SNOW CRABAPPLE
CC 'OS'	OKLAHOMA SPARKLER REDBUD

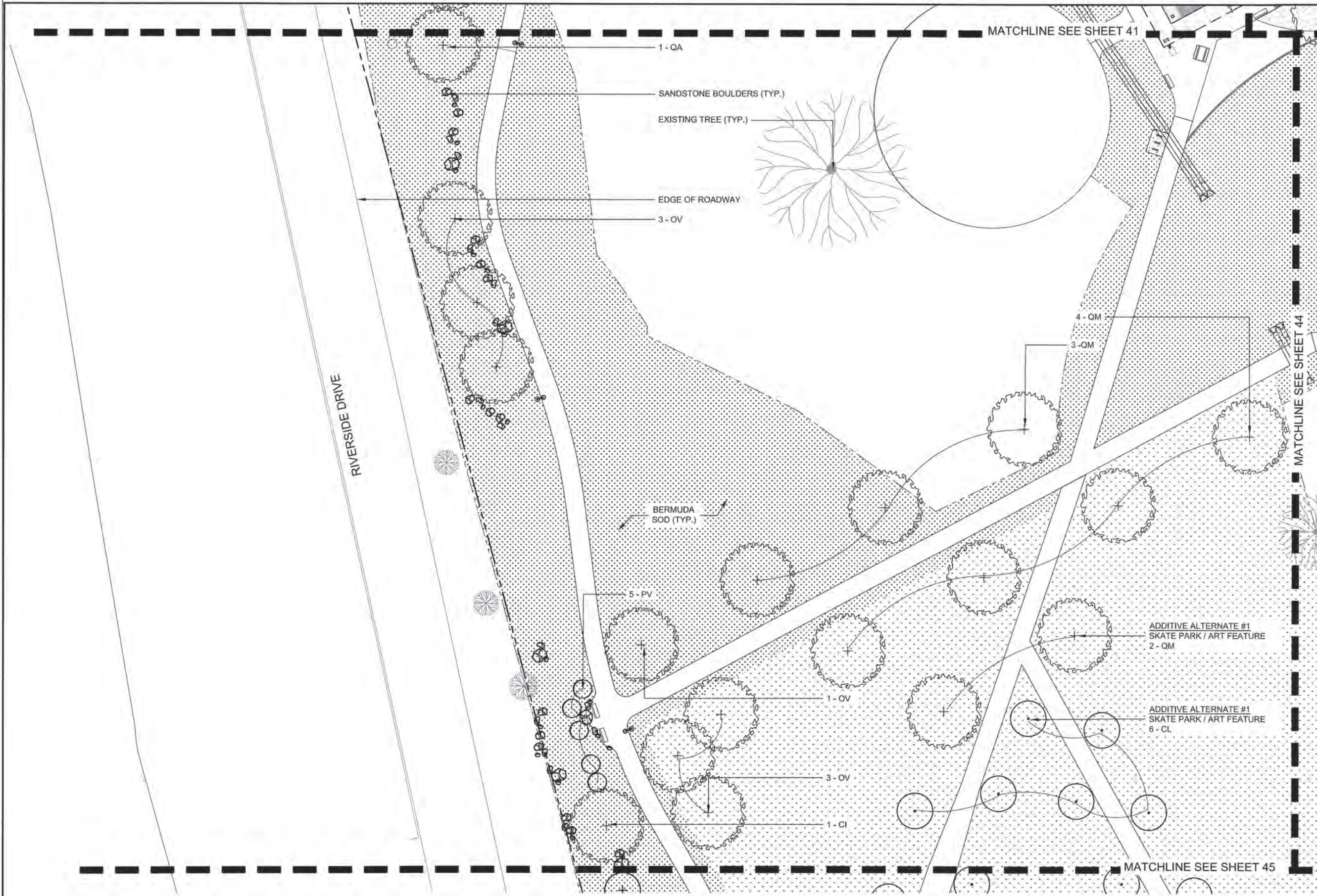


PROJECT # SP 21-6	
FRED JOHNSON PARK REHABILITATION	
CITY OF TULSA, OKLAHOMA	
DEPARTMENT OF PARKS, CULTURE, AND RECREATION	
PLANS AND ESTIMATES PREPARED BY:	
LANDPLAN CONSULTANTS	
1110 WEST 23RD	TULSA, OK 74107
	015-584-0454
	
DRAWN	LPCI OCT 2025
DESIGNED	LPCI DEC 2024
SURVEY	FLS APR 2024
PROD. MGR.	SL 12/10/25
LEAD ENGR.	SL 12/25
FIELD MGR.	SL 1/16
SHEET	
PLANTING PLAN (04)	
42	OF 119

NOTE:
CONTRACTOR TO COORDINATE WITH THE LANDSCAPE ARCHITECT AND TULSA PARKS PRIOR TO PLANTING TREES IN SCREENINGS.



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LEGEND

EXISTING TREES

DECIDUOUS CANOPY TREES

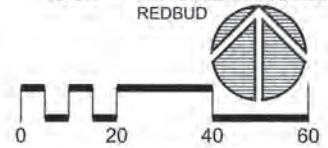
EVERGREEN TREES

ORNAMENTAL TREES

U-3 BERMUDA SOD
ADDITIVE ALTERNATE #1
U-3 BERMUDA SOD
SHREDDED CYPRESS MULCH
DESERT GOLD SCREENINGS
SLATE SCREENINGS

SANDSTONE BOULDERS

ABBR	COMMON NAME
OV	AMERICAN HOPHORNBEAM
UC	CEDAR ELM
AS 'C'	CADDO MAPLE
QA	WHITE OAK
QM	BUR OAK
CI	PECAN
PE	SHORTLEAF PINE
PT	LOBLOLLY PINE
I 'NRS'	NELLIE R STEVENS
CL	DESERT WILLOW
MV	SWEET BAY MAGNOLIA
V 'AC'	CHASTE TREE
PV	CANADA RED CHOKECHERRY
M 'SS'	SPRING SNOW CRABAPPLE
CC 'OS'	OKLAHOMA SPARKLER REDBUD



PROJECT # SP 21-6
FRED JOHNSON PARK REHABILITATION
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1112 WEST 23RD TULSA, OK 74107 918-584-4504

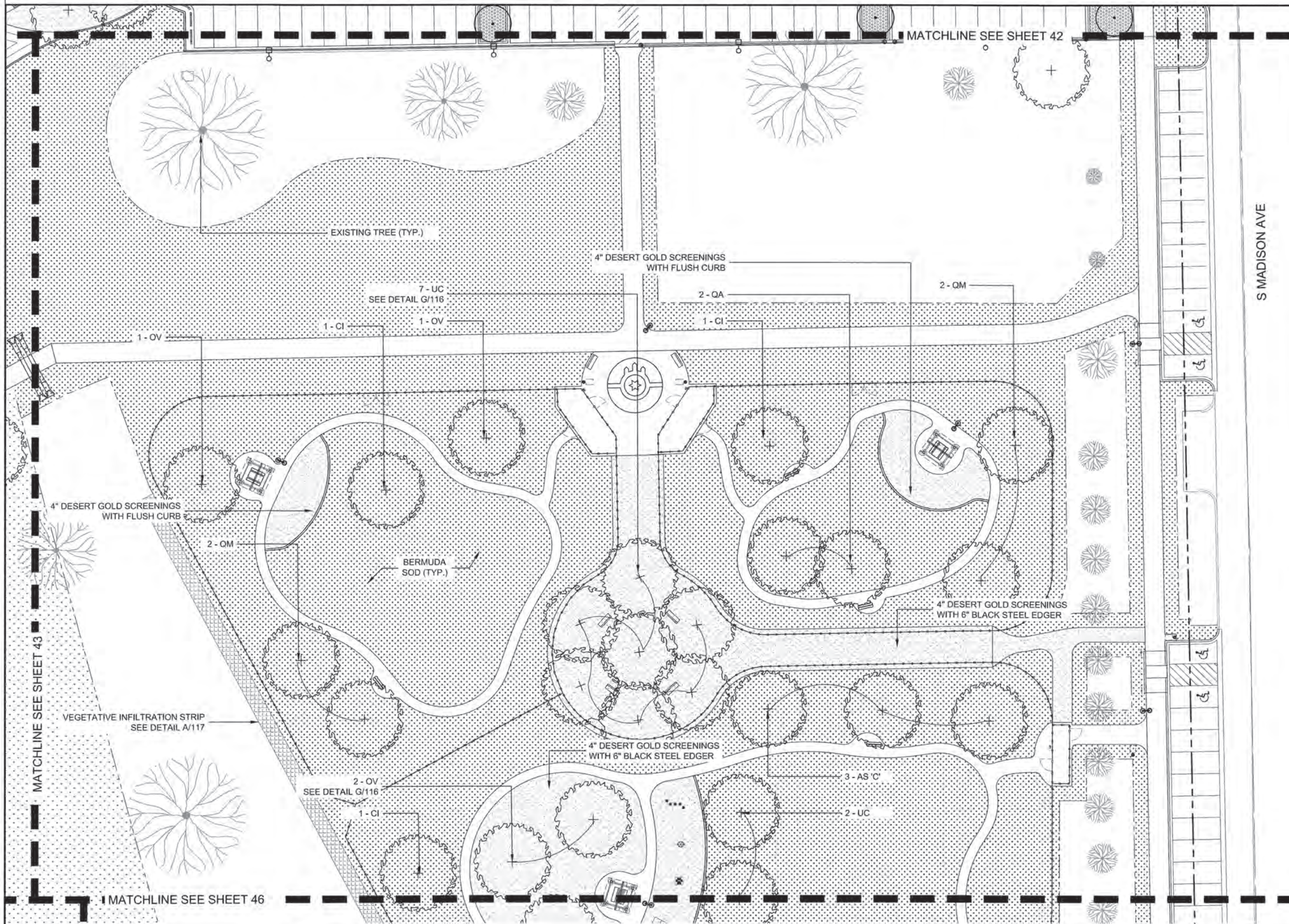
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2	LPCI	DEC 2024
3	PLS	APR 2024
4	SL	12/10/25
5	SL	12-25
6	SL	1/26

PLANTING PLAN (05)

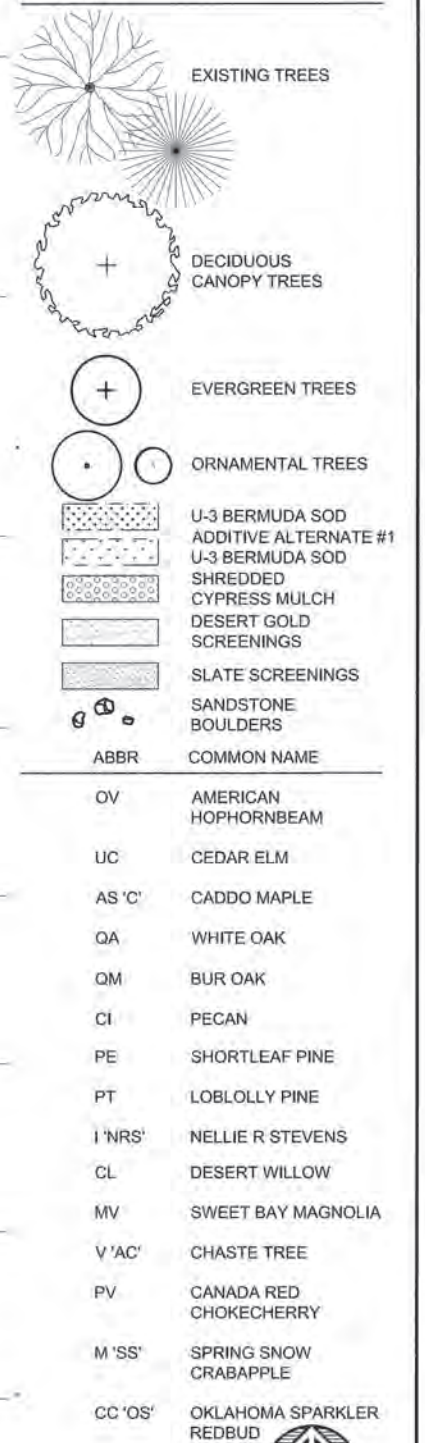
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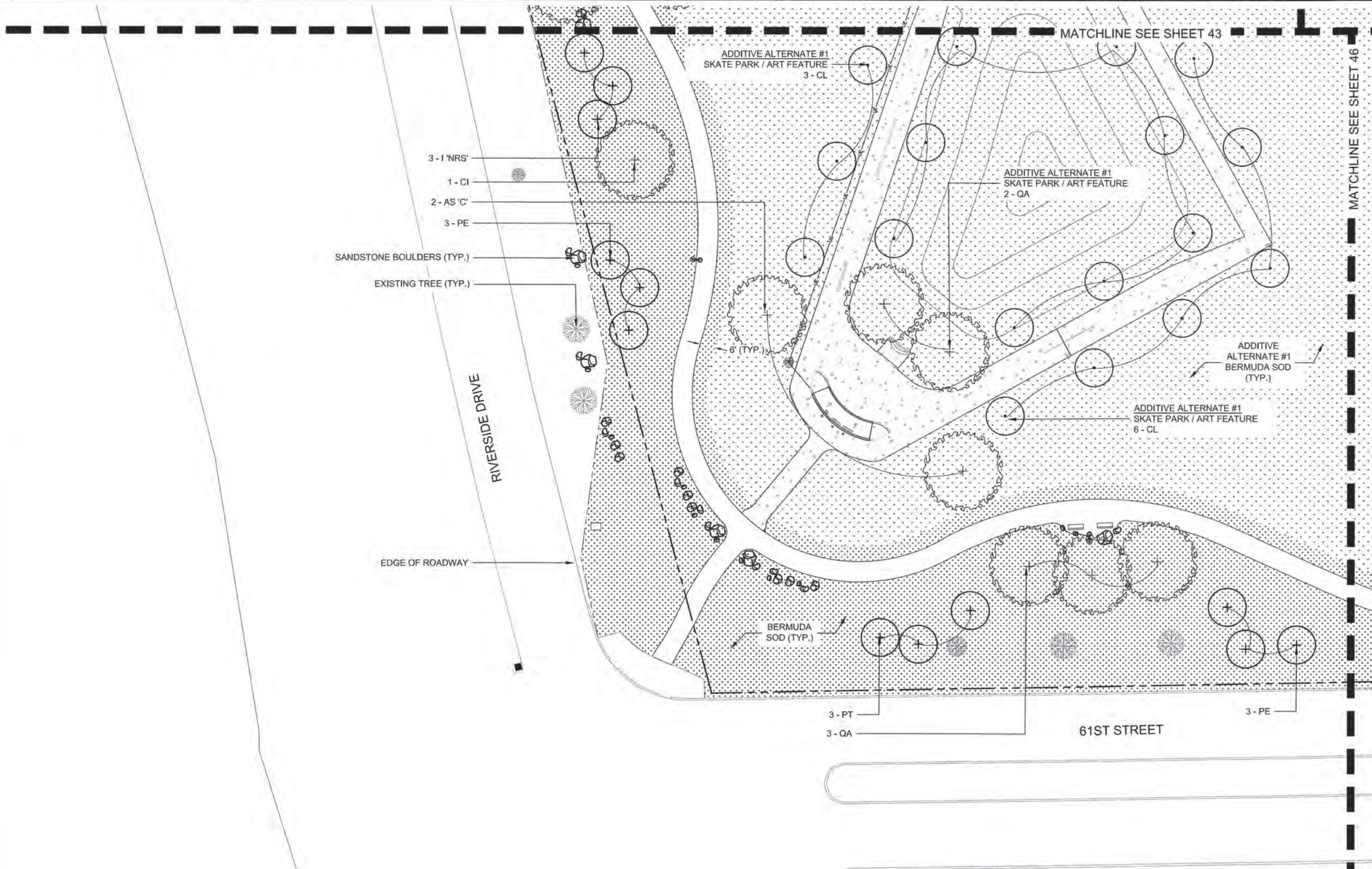
PROJECT # SP 21-6
FRED JOHNSON PARK REHABILITATION
 CITY OF TULSA, OKLAHOMA
 DEPARTMENT OF PARKS, CULTURE, AND RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
 1110 WEST 23RD TULSA, OK 74107 918-264-6464

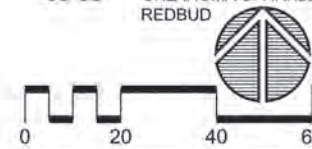
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			SURVEY	FLS	APR 2024
			PROJ. MGR.	SL	12/10/25
			LEAD ENGR.	SL	12/25
			FIELD MGR.	SL	1/26

PLANTING PLAN (06) SHEET
 44 OF 119





LEGEND	
	EXISTING TREES
	DECIDUOUS CANOPY TREES
	EVERGREEN TREES
	ORNAMENTAL TREES
	U-3 BERMUDA SOD
	ADDITIVE ALTERNATE #1 U-3 BERMUDA SOD
	SHREDDED CYPRESS MULCH
	DESERT GOLD SCREENINGS
	SLATE SCREENINGS
	SANDSTONE BOULDERS
ABBR	COMMON NAME
OV	AMERICAN HOPHORNBEAM
UC	CEDAR ELM
AS 'C'	CADDO MAPLE
QA	WHITE OAK
QM	BUR OAK
CI	PECAN
PE	SHORTLEAF PINE
PT	LOBLOLLY PINE
I 'NRS'	NELLIE R STEVENS
CL	DESERT WILLOW
MV	SWEET BAY MAGNOLIA
V 'AC'	CHASTE TREE
PV	CANADA RED CHOKECHERRY
M 'SS'	SPRING SNOW CRABAPPLE
CC 'OS'	OKLAHOMA SPARKLER REDBUD



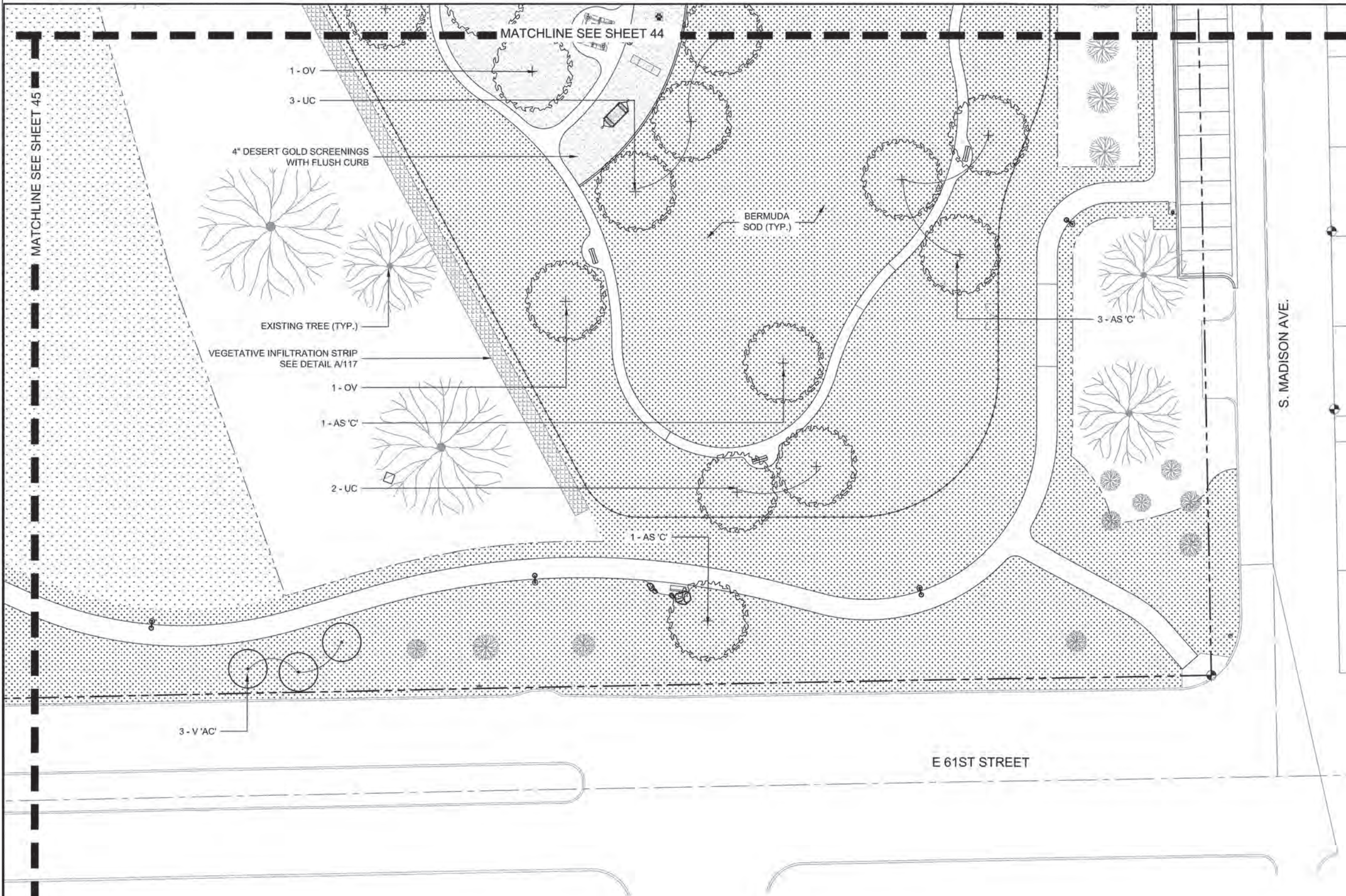
PROJECT # SP 21-6
**FRED JOHNSON PARK
 REHABILITATION**
 CITY OF TULSA, OKLAHOMA
 DEPARTMENT OF PARKS, CULTURE, AND RECREATION

PLANS AND ESTIMATES PREPARED BY:	
LANDPLAN CONSULTANTS	
1110 WEST 23rd	TULSA, OK 74107
918-584-0464	
DESIGNED	LPC OCT 2025
DRAWN	LPC DEC 2024
SURVEY	FLS APR 2024
PROD. MGR.	SL 12/10/25
LEAD ENGR.	SL 12/25
FIELD MGR.	SL 1/16

PLANTING PLAN (07) SHEET
 45 OF 119



REVISION	BY	DATE



LEGEND

EXISTING TREES

DECIDUOUS CANOPY TREES

EVERGREEN TREES

ORNAMENTAL TREES

U-3 BERMUDA SOD ADDITIVE ALTERNATE #1

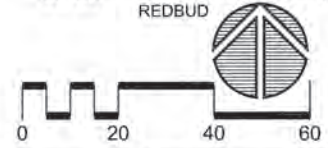
U-3 BERMUDA SOD SHREDDED CYPRESS MULCH

DESERT GOLD SCREENINGS

SLATE SCREENINGS

SANDSTONE BOULDERS

ABBR	COMMON NAME
OV	AMERICAN HOPHORNBEAM
UC	CEDAR ELM
AS 'C'	CADDO MAPLE
QA	WHITE OAK
QM	BUR OAK
CI	PECAN
PE	SHORTLEAF PINE
PT	LOBLOLLY PINE
I 'NRS'	NELLIE R STEVENS
CL	DESERT WILLOW
MV	SWEET BAY MAGNOLIA
V 'AC'	CHASTE TREE
PV	CANADA RED CHOKECHERRY
M 'SS'	SPRING SNOW CRABAPPLE
CC 'OS'	OKLAHOMA SPARKLER REDBUD



PROJECT # SP 21-6
FRED JOHNSON PARK REHABILITATION
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23RD TULSA, OK 74107 918-264-4564

REVISION	BY	DATE

DRAWN	LPCI	OCT 2025
DESIGNED	LPCI	DEC 2024
SURVEY	FLS	APR 2024
PROJ. MGR.	SL	12/10/25
LEAD ENGR.	SL	12/23
FIELD MGR.	SL	1/7/26

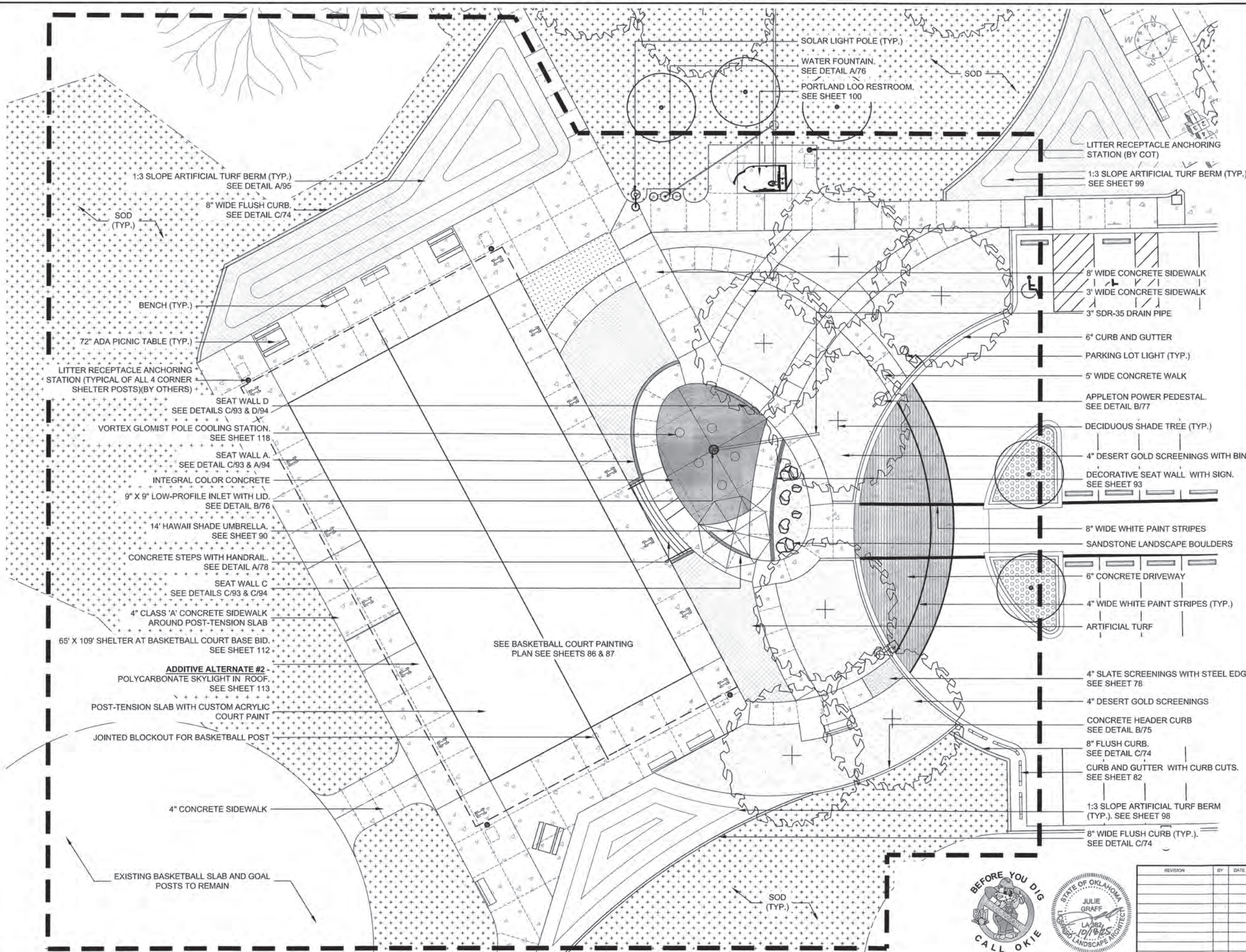
PLANTING PLAN (08)

SHEET
46 OF 119

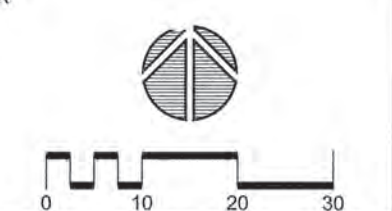


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- LEGEND:**
- CONSTRUCTION JOINT
 - CONTROL JOINT
 - FLUSH CURB
 - STANDING 6" TALL CURB
 - 2" ARTIFICIAL TURF
 - DESERT GOLD SCREENINGS
 - BERMUDA SOD
 - CONCRETE PAVEMENT
 - INTEGRAL COLOR CONCRETE
 - INTEGRAL COLOR CONCRETE
 - 72" ADA PICNIC TABLE
 - BENCH
 - DRINKING FOUNTAIN
 - LITTER RECEPTACLE ANCHORING STATION
 - SOLAR LIGHT POLE
 - PARKING LOT LIGHT POLE
 - SANDSTONE BOULDERS



PROJECT # SP 21-6
FRED JOHNSON PARK REHABILITATION
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

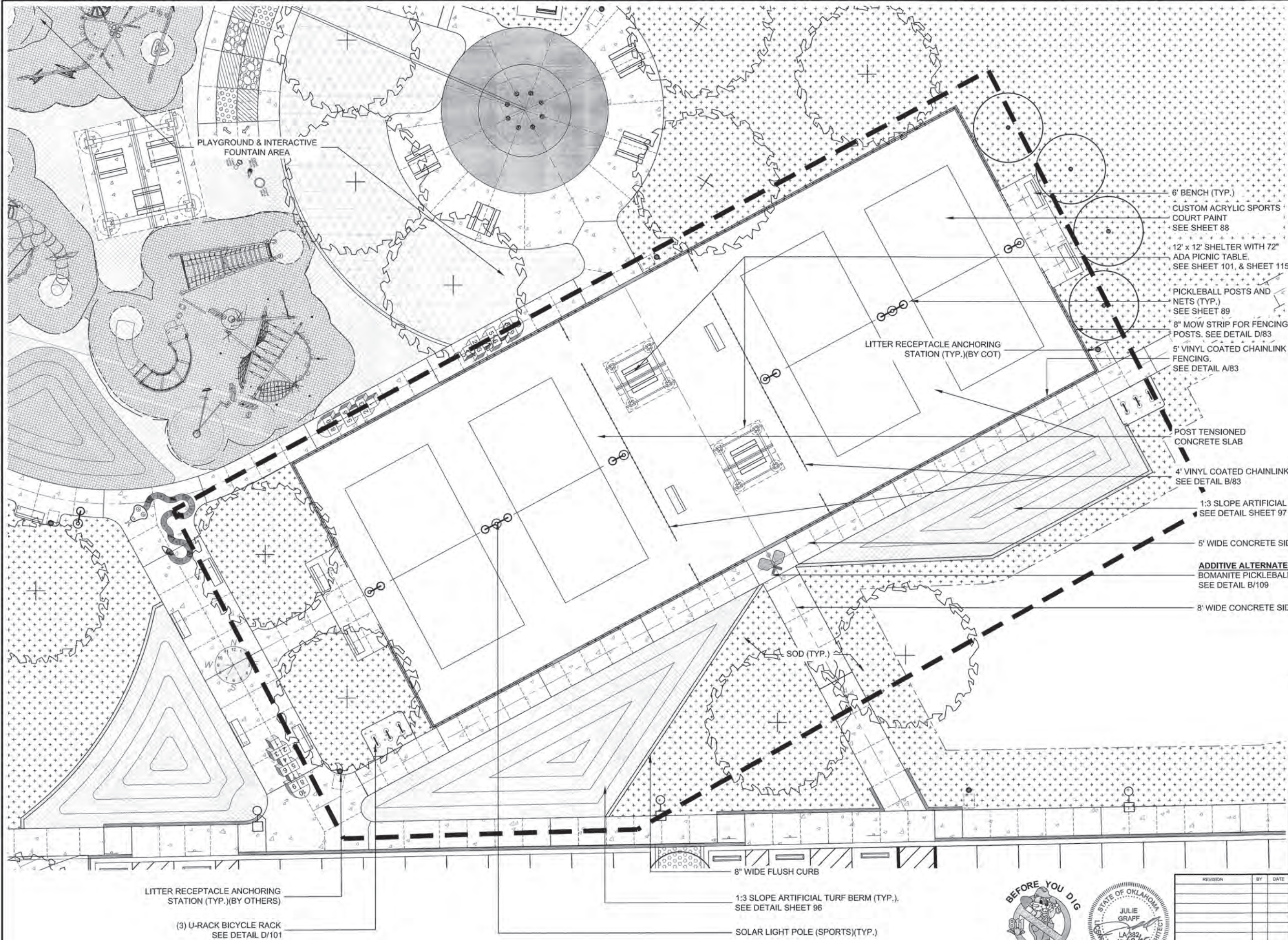
PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23RD TULSA, OK 74107 918-584-6454

REVISION	BY	DATE
DRAWN	LPCI	OCT 2025
DESIGNED	LPCI	DEC 2024
SURVEY	FLS	APR 2024
PROJ. MGR.	SL	12/10/25
LEAD ENGR.	SL	12/25
FIELD MGR.	SL	12/25

BASKETBALL & COOLING STATION ENLARGEMENT

SHEET 47 OF 119

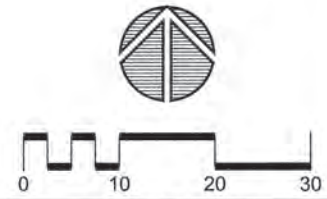




LEGEND:

- CONSTRUCTION JOINT
- CONTROLL JOINT
- FLUSH CURB
- STANDING 6" TALL CURB
- 2" ARTIFICIAL TURF
- 1 1/2" ARTIFICIAL TURF
- DURABOND SURFACING
- DESERT GOLD SCREENINGS
- BERMUDA SOD
- CONCRETE PAVEMENT
- INTEGRAL COLOR CONCRETE
- 6" CONCRETE DRIVEWAY
- 72" ADA PICNIC TABLE
- BENCH
- DRINKING FOUNTAIN
- LITTER RECEPTACLE ANCHORING STATION (BY OTHERS)
- SOLAR LIGHT POLE
- PARKING LOT LIGHT POLE
- SANDSTONE BOULDERS

- 6" BENCH (TYP.)
- CUSTOM ACRYLIC SPORTS COURT PAINT SEE SHEET 88
- 12' x 12' SHELTER WITH 72" ADA PICNIC TABLE. SEE SHEET 101, & SHEET 115
- PICKLEBALL POSTS AND NETS (TYP.) SEE SHEET 89
- 8" MOW STRIP FOR FENCING POSTS. SEE DETAIL D/83
- 5' VINYL COATED CHAINLINK FENCING. SEE DETAIL A/83
- LITTER RECEPTACLE ANCHORING STATION (TYP.) (BY COT)
- POST TENSIONED CONCRETE SLAB
- 4' VINYL COATED CHAINLINK FENCING. SEE DETAIL B/83
- 1:3 SLOPE ARTIFICIAL TURF BERM (TYP.). SEE DETAIL SHEET 97
- 5' WIDE CONCRETE SIDEWALK
- ADDITIVE ALTERNATE #5 BOMANITE PICKLEBALL PADDLES SEE DETAIL B/109
- 8' WIDE CONCRETE SIDEWALK



PROJECT # SP 21-6
FRED JOHNSON PARK
REHABILITATION
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, AND RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23rd TULSA, OK 74107 918-584-6454

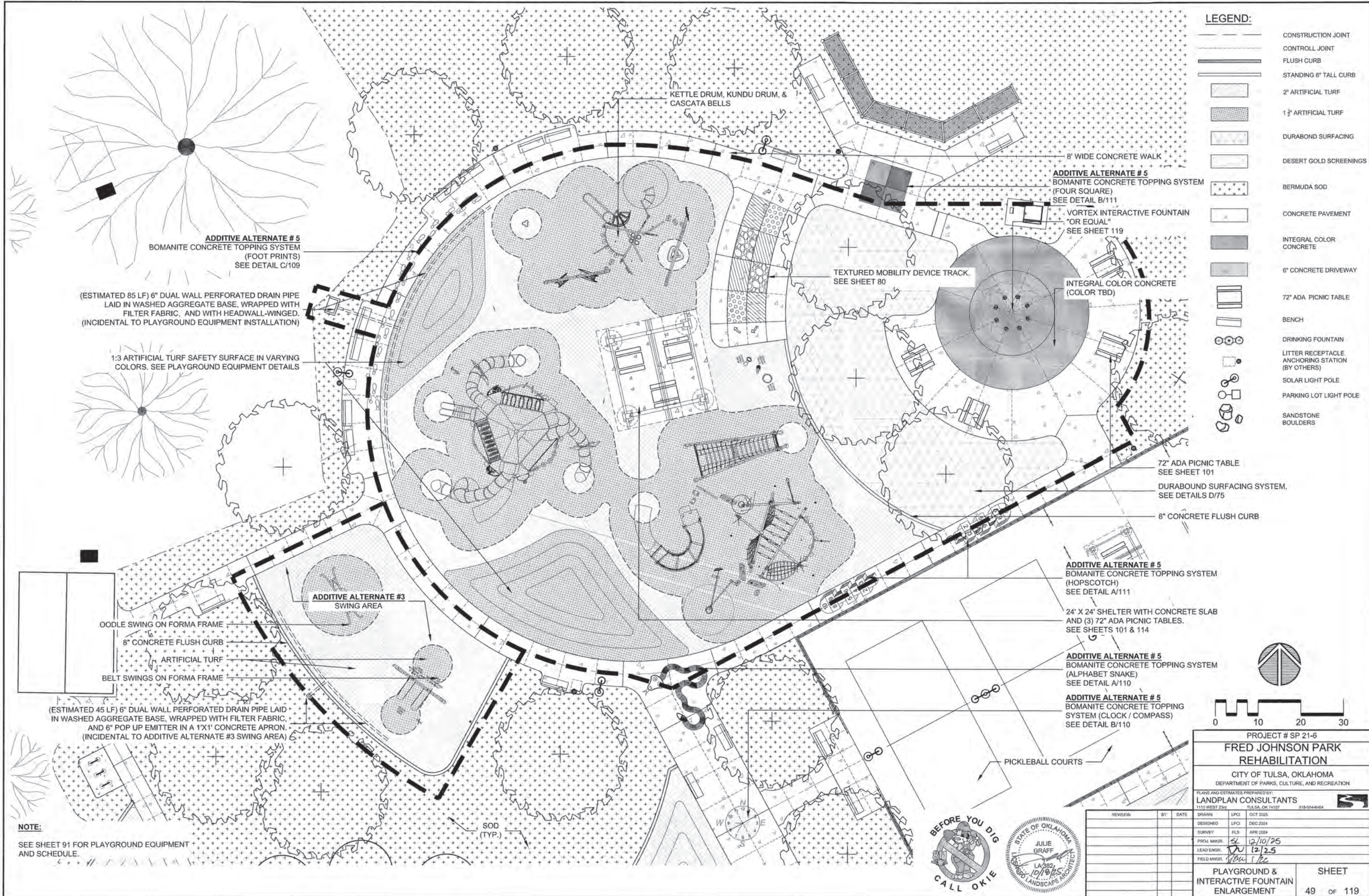
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				LPG	DEC 2024
				FLS	APR 2024
				SL	12/10/25
				TA	12/25
				du	1/77

PICKLEBALL
ENLARGEMENT

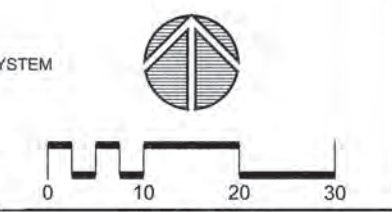
SHEET
48 OF 119



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- LEGEND:**
- CONSTRUCTION JOINT
 - CONTROLL JOINT
 - FLUSH CURB
 - STANDING 6" TALL CURB
 - 2" ARTIFICIAL TURF
 - 1 1/2" ARTIFICIAL TURF
 - DURABOND SURFACING
 - DESERT GOLD SCREENINGS
 - BERMUDA SOD
 - CONCRETE PAVEMENT
 - INTEGRAL COLOR CONCRETE
 - 6" CONCRETE DRIVEWAY
 - 72" ADA PICNIC TABLE
 - BENCH
 - DRINKING FOUNTAIN
 - LITTER RECEPTACLE ANCHORING STATION (BY OTHERS)
 - SOLAR LIGHT POLE
 - PARKING LOT LIGHT POLE
 - SANDSTONE BOULDERS

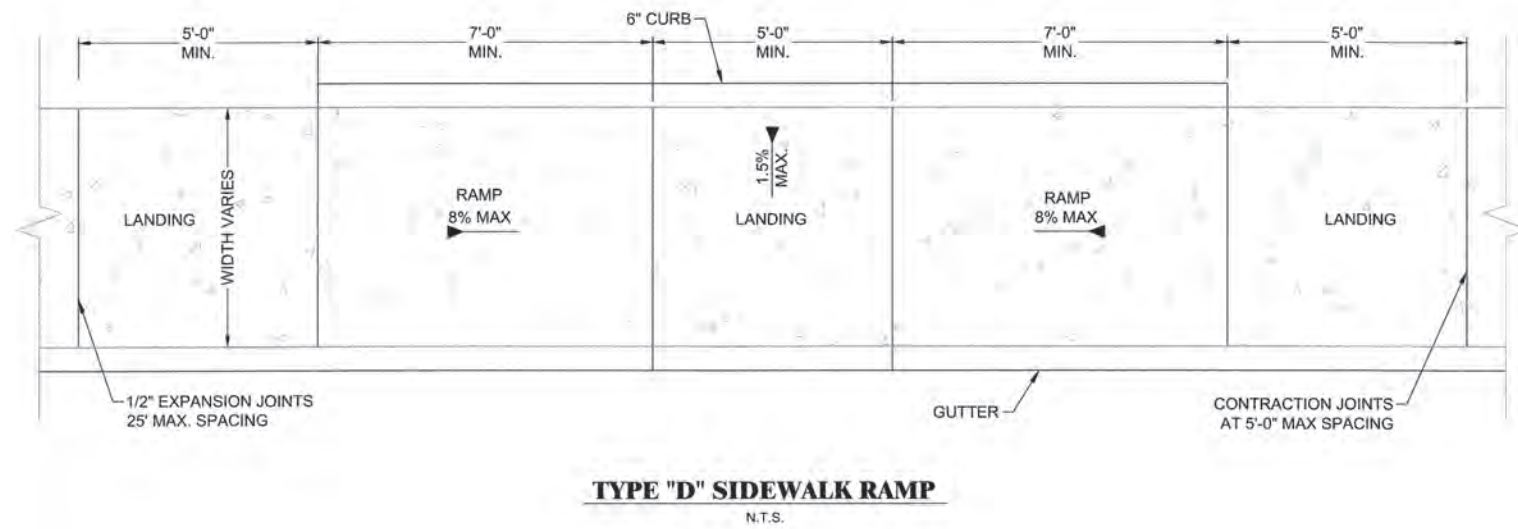
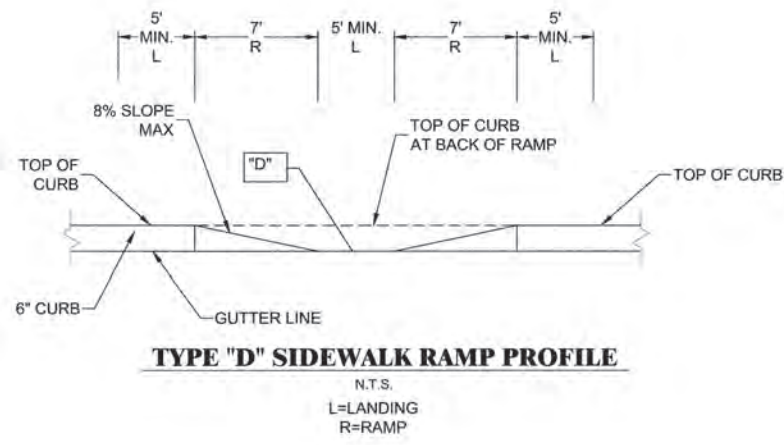
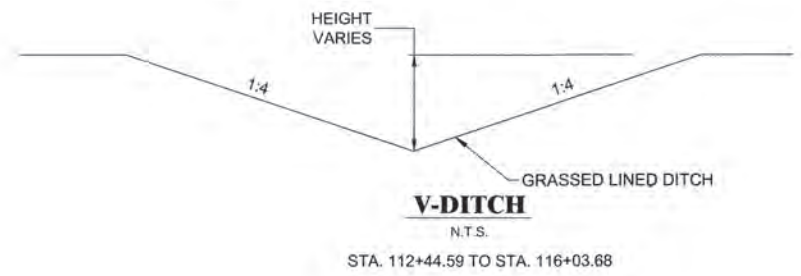
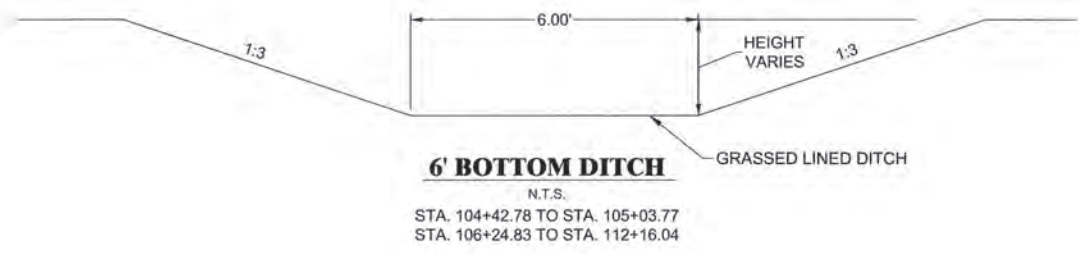


PROJECT # SP 21-6	
FRED JOHNSON PARK REHABILITATION	
CITY OF TULSA, OKLAHOMA	
DEPARTMENT OF PARKS, CULTURE, AND RECREATION	
PLANS AND ESTIMATES PREPARED BY:	
LANDPLAN CONSULTANTS	
1110 WEST 23rd	TULSA, OK 74107
318-504-6054	
DESIGNED	LPCI OCT 2025
DRAWN	LPCI DEC 2024
SURVEY	FLS APR 2024
PROJ. MGR.	SL 12/10/25
LEAD ENGR.	JW 12/25
FIELD MGR.	Yuan 1/26
PLAYGROUND & INTERACTIVE FOUNTAIN ENLARGEMENT	
SHEET 49 OF 119	



NOTE:
SEE SHEET 91 FOR PLAYGROUND EQUIPMENT AND SCHEDULE.

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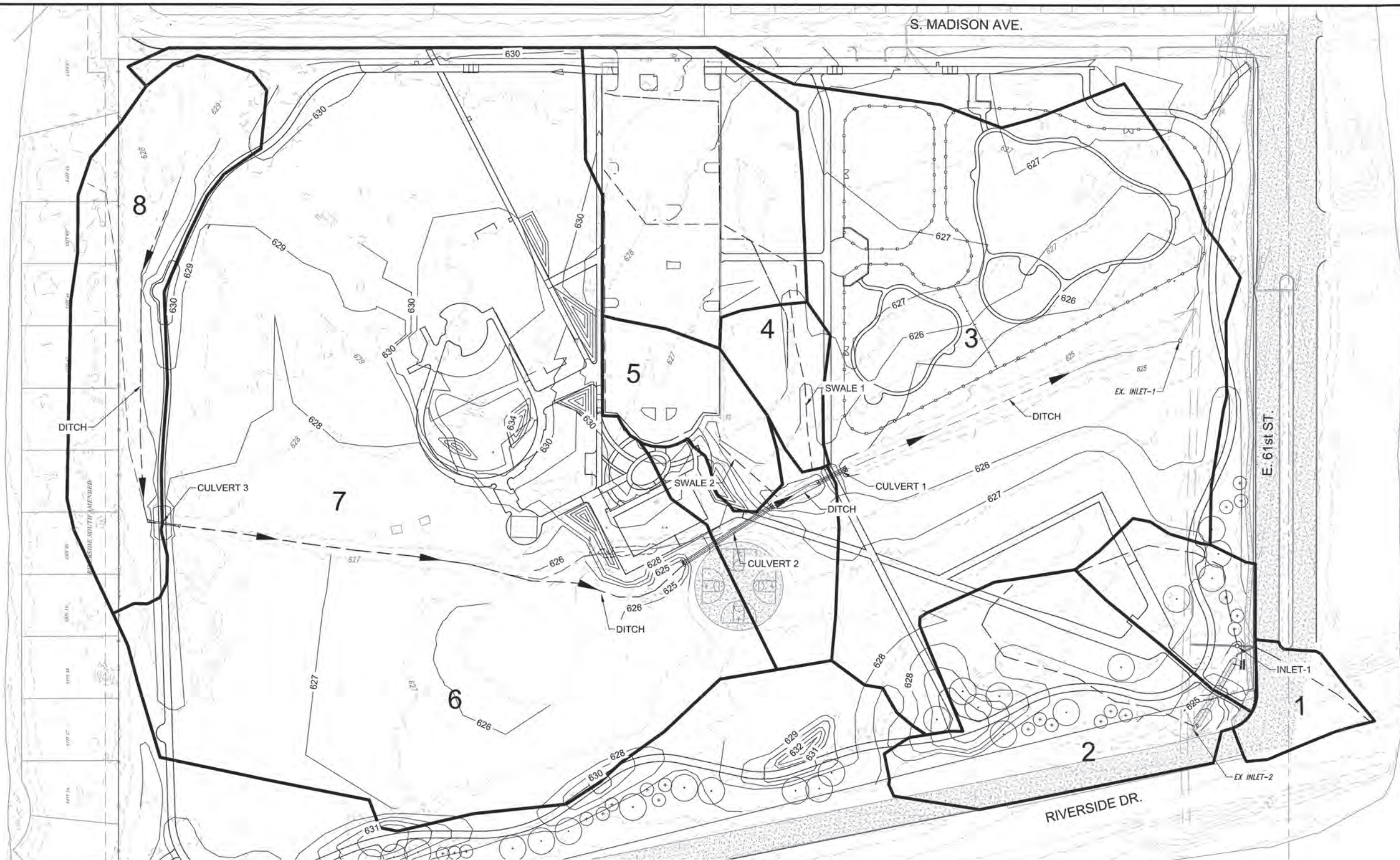
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SURVEY				FLS	APRIL 2024	116-554-0454		
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LEAD ENGR.		SL	12/25			116-554-0454		
FIELD MGR.		SL	12/25			116-554-0454		
CIVIL DETAILS						SHEET		
50						OF 119		

PROJECT # SP 21-6
**FRED JOHNSON PARK
REHABILITATION**
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF CITY EXPERIENCE

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23RD TULSA, OK 74107 918-584-6464

11/05/2025

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- LEGEND
- PROPOSED DRAINAGE AREA
 - 1 STORM STRUCTURE
 - 1 DRAINAGE AREA

SUMMARY OF HYDROLOGIC DATA AND RUNOFF CALCULATIONS

D.A. NO.	AREA	INTENSITY	FACTORED RUNOFF COEFF.	DESIGN YEAR RUNOFF	COLLECTING STRUCTURE NUMBER	OVERLAND FLOW				SHALLOW CHANNELIZED FLOW				TOTAL TIME OF CONCENTRATION
	A	I25 YR	C	Q25		FLOWPATH LENGTH	AVG. SLOPE	VELOCITY	Tt	FLOWPATH LENGTH	AVG. SLOPE	VELOCITY	Tt	
	ACRES	I25 YR		CFS		LF	%	FPS	MIN	LF	%	FPS	MIN	
1	0.28	10.602	0.90	2.67	EX. INLET-1	45	3.00	3.52	0.21	50	2.00	2.87	0.29	0.50
2	1.58	9.938	0.37	5.81	EX. INLET-2	50	2.50	3.21	0.26	282	2.23	3.04	1.55	1.81
3	0.55	10.175	0.37	2.07	INLET-1	45	6.38	5.13	0.15	219	2.34	3.11	1.17	1.32
4	20.74	5.563	0.39	45.00	DITCH	150	0.50	1.44	1.74	1550	0.50	1.44	17.97	19.71
5	1.93	9.239	0.60	10.70	SWALE 1	150	0.50	1.44	1.74	204	1.00	2.03	1.67	3.41
6	0.58	9.321	0.58	3.14	SWALE 2	100	0.50	1.44	1.16	177	0.50	1.44	2.05	3.21
7	15.05	6.429	0.58	56.12	CULVERT 1	150	0.50	1.44	1.74	1055	0.50	1.44	12.23	13.97
8	12.57	6.825	0.35	30.03	CULVERT 2	150	0.50	1.44	1.74	875	0.50	1.44	10.15	11.88
9	1.65	9.000	0.37	5.49	CULVERT 3	132	1.39	2.40	0.92	268	0.50	1.44	3.11	4.03



REVISION			BY	DATE	DRAWN			BKL	NOVEMBER 2025				
					DESIGNED			BKL	NOVEMBER 2025				
					SURVEY			FLS	APR 2004				
					PROJ. MNGR.			SL	12/10/25				
					LEAD ENGR.			FAI	12/25				
					FIELD MNGR.			SL	1/26				
CIVIL DRAINAGE AREA MAP & SUMMARY									SHEET				
									51 OF 119				

STORM WATER MANAGEMENT PLAN

SITE DESCRIPTION

PROJECT LIMITS: FRED JOHNSON PARK

PROJECT DESCRIPTION: FRED JOHNSON PARK

SUGGESTED SEQUENCE OF EROSION CONTROL ACTIVITIES:
PRIOR TO INITIATING SOIL DISTURBING ACTIVITIES, THE CONTRACTOR WILL INSTALL ALL PERIMETER TEMPORARY SEDIMENT CONTROLS SPECIFIED. STRIP, STOCKPILE AND STABILIZE TOPSOIL. CLEAR AND GRUB ONLY IN NECESSARY AREAS, PRESERVING AS MUCH NATIVE VEGETATION AS POSSIBLE. INSTALL, MAINTAIN AND/OR MOVE TEMPORARY SEDIMENT ITEMS WITH CONSTRUCTION OPERATIONS AS PRACTICAL. IF DIRECTED BY THE ENGINEER, PLANT TEMPORARY SEEDING. REPLACE SALVAGED TOPSOIL AND DEVICES WHEN AN ACCEPTABLE VEGETATIVE COVER (AT LEAST 70%) HAS BEEN ATTAINED. AS SITE CONDITIONS WARRANT, THE CONTRACTOR MAY TO CHOOSE TO MODIFY THE TYPE OR ARRANGEMENT OF SPECIFIED PRACTICES TO IMPROVE THEIR EFFECTIVENESS AS APPROVED BY THE ENGINEER. THE CONTRACTOR WILL MAINTAIN A LOG OF THE DATES OF MAJOR SOIL DISTURBANCE ACTIVITIES, AND ALSO THE DATE OF INSTALLATION OF EROSION CONTROL MEASURES.

SOIL TYPE: CHOSKA-SEVEN-URBAN LAND

TOTAL AREA OF THE CONSTRUCTION SITE: 26.08 ACRES

ESTIMATED AREA TO BE DISTURBED: 26.08 ACRES

OFFSITE AREA TO BE DISTURBED: (FOR CONTRACTOR USE)

TOTAL IMPERVIOUS AREA PRE-CONSTRUCTION: 2.00 ACRES

TOTAL IMPERVIOUS AREA POST-CONSTRUCTION: 2.80 ACRES

POST-CONSTRUCTION RUNOFF COEFFICIENT OF THE SITE: 0.40

LATITUDE & LONGITUDE OF CENTER OF PROJECT: 36°04'37" N, 95°58'53" W

PROJECT WILL DISCHARGE TO:

NAME OF RECEIVING WATERS: ARKANSAS RIVER

SENSITIVE WATERS OR WATERSHEDS: YES ☐ NO ☒

303 (d) IMPAIRED WATERS: YES ☒ NO ☐

IF YES, LIST IMPAIRMENT: TURBIDITY 5a, ENTEROCOCC 4a, LEAD 5a

LOCATED IN A TMDL: YES ☒ NO ☐

LAKE THUNDERBIRD TMDL: YES ☐ NO ☒

MS4 ENTITY YES ☒ NO ☐

IF YES, LOCATION: CITY OF TULSA

NOTE:
THIS SHEET SHOULD BE USED IN CONJUNCTION WITH A DRAINAGE MAP THAT ILLUSTRATES THE DRAINAGE PATTERNS/PATHWAYS AND RECEIVING WATERS FOR THIS PROJECT. THIS SHEET SHOULD ALSO BE USED WITH THE EROSION CONTROL SUMMARIES, PAY ITEMS, & NOTES.

EROSION AND SEDIMENT CONTROLS

SOIL STABILIZATION PRACTICES:

- ☐ TEMPORARY SEEDING
☒ PERMANENT SODDING, SPRIGGING OR SEEDING
☐ VEGETATIVE MULCHING
☐ SOIL RETENTION BLANKET
☒ PRESERVATION OF EXISTING VEGETATION
☒ HYDROMULCH / HYDROSEED

NOTE: TEMPORARY EROSION CONTROL METHODS MUST BE USED ON ALL DISTURBED AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR OVER 14 DAYS. METHODS USED WILL BE AS SHOWN ON PLANS, OR AS DIRECTED BY THE ENGINEER.

STRUCTURAL PRACTICES:

- ☒ STABILIZED CONSTRUCTION EXIT
☒ TEMPORARY SILT FENCE
☒ TEMPORARY SILT DIKES
☐ TEMPORARY FIBER LOG
☐ DIVERSION, INTERCEPTOR OR PERIMETER DIKES
☐ DIVERSION, INTERCEPTOR OR PERIMETER SWALES
☐ ROCK FILTER DAMS
☐ TEMPORARY SLOPE DRAIN
☐ PAVED DITCH W/ DITCH LINER PROTECTION
☐ TEMPORARY DIVERSION CHANNELS
☐ TEMPORARY SEDIMENT BASINS
☐ TEMPORARY SEDIMENT TRAPS
☐ TEMPORARY SEDIMENT FILTERS
☒ TEMPORARY SEDIMENT REMOVAL
☐ RIP RAP
☒ INLET PROTECTION
☐ TEMPORARY BRUSH SEDIMENT BARRIERS
☐ SANDBAG BERMS
☐ TEMPORARY STREAM CROSSINGS
☐ FLEXAMAT / ARTICULATED CONCRETE BLOCK
☐ COMPOST FILTER SOCKS
☐ EROSION CONTROL MATS AND BLANKETS

OFFSITE VEHICLE TRACKING:

- ☐ HAUL ROADS DAMPENED FOR DUST CONTROL
☒ LOADED HAUL TRUCKS TO BE COVERED WITH TARPULIN
☒ EXCESS DIRT ON ROAD REMOVED DAILY

NOTES:

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE FOLLOWING:

MAINTENANCE AND INSPECTION:

ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER FROM THE BEGINNING OF CONSTRUCTION UNTIL AN ACCEPTABLE VEGETATIVE COVER IS ESTABLISHED. INSPECTION BY THE CONTRACTOR AND ANY NECESSARY REPAIRS SHALL BE PERFORMED ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCH AS RECORDED BY A NON-FREEZING RAIN GAUGE TO BE LOCATED ON SITE. POTENTIALLY ERODIBLE AREAS, DRAINAGEWAYS, MATERIAL STORAGE, STRUCTURAL DEVICES, CONSTRUCTION ENTRANCES AND EXITS ALONG WITH EROSION AND SEDIMENT CONTROL LOCATIONS ARE EXAMPLES OF SITES THAT NEED TO BE INSPECTED.

WASTE MATERIALS:

PROPER MANAGEMENT AND DISPOSAL OF CONSTRUCTION WASTE MATERIAL IS REQUIRED BY THE CONTRACTOR. MATERIALS INCLUDE STOCKPILES, SURPLUS, DEBRIS AND ALL OTHER BY-PRODUCTS FROM THE CONSTRUCTION PROCESS. PRACTICES INCLUDE DISPOSAL, PROPER MATERIALS HANDLING, SPILL PREVENTION AND CLEANUP MEASURES. CONTROLS AND PRACTICES SHALL MEET THE REQUIREMENTS OF ALL FEDERAL, STATE AND LOCAL AGENCIES.

HAZARDOUS MATERIALS:

PROPER MANAGEMENT AND DISPOSAL OF HAZARDOUS WASTE MATERIALS IS REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING MANUFACTURER'S RECOMMENDATIONS, STATE AND FEDERAL REGULATIONS TO ENSURE CORRECT HANDLING, DISPOSAL, SPILL PREVENTION AND CLEANUP MEASURES. EXAMPLES INCLUDE BUT ARE NOT LIMITED TO: PAINTS, ACIDS, CLEANING SOLVENTS, CHEMICAL ADDITIVES, CONCRETE CURING COMPOUNDS AND CONTAMINATED SOILS.

GENERAL NOTES:

A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO COMPLY WITH THE OKLAHOMA POLLUTION DISCHARGE ELIMINATION SYSTEM (OPDES) REGULATIONS. THIS PLAN IS INITIATED DURING THE DESIGN PHASE, CONFIRMED IN THE PRE-WORK MEETINGS AND AVAILABLE ON THE JOB SITE ALONG WITH COPIES OF THE NOTICE OF INTENT (NOI) FORM AND PERMIT CERTIFICATE THAT HAVE BEEN FILED WITH THE OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY (ODEQ). THE PLAN MUST BE KEPT CURRENT WITH UP-TO-DATE AMENDMENTS DURING THE PROGRESSION OF THE PROJECT. ALL CONTRACTOR OFF-SITE OPERATIONS ASSOCIATED WITH THE PROJECT MUST BE DOCUMENTED IN THE SWPPP, I.E., BORROW PITS, WORK ROADS, DISPOSAL SITES, ASPHALT/CONCRETE PLANTS, ETC. THE BASIC GOAL OF STORM WATER MANAGEMENT IS TO IMPROVE WATER QUALITY BY REDUCING POLLUTANTS IN STORM WATER DISCHARGES. RUNOFF FROM CONSTRUCTION SITES HAS A POTENTIAL FOR POLLUTION DUE TO EXPOSED SOILS AND THE PRESENCE OF HAZARDOUS MATERIALS USED IN THE CONSTRUCTION PROCESS. THE PREVENTION OF SOIL EROSION, CONTAINMENT OF HAZARDOUS MATERIALS AND/OR THE INTERCEPTION OF THESE POLLUTANTS BEFORE LEAVING THE CONSTRUCTION SITE ARE THE BEST PRACTICES FOR CONTROLLING STORM WATER POLLUTION.

THE FOLLOWING SECTIONS OF THE 2019 ODOT STANDARD SPECIFICATIONS SHOULD BE NOTED:

- 103.05 BONDING REQUIREMENTS
104.10 FINAL CLEANING UP
104.12 CONTRACTOR'S RESPONSIBILITY FOR WORK
104.13 ENVIRONMENTAL PROTECTION
106.08 STORAGE AND HANDLING OF MATERIAL
107.01 LAWS, RULES AND REGULATIONS TO BE OBSERVED
107.20 STORM WATER MANAGEMENT
220 MANAGEMENT OF EROSION, SEDIMENTATION AND STORM WATER POLLUTION PREVENTION
221 TEMPORARY SEDIMENT CONTROL

IN ADDITION:

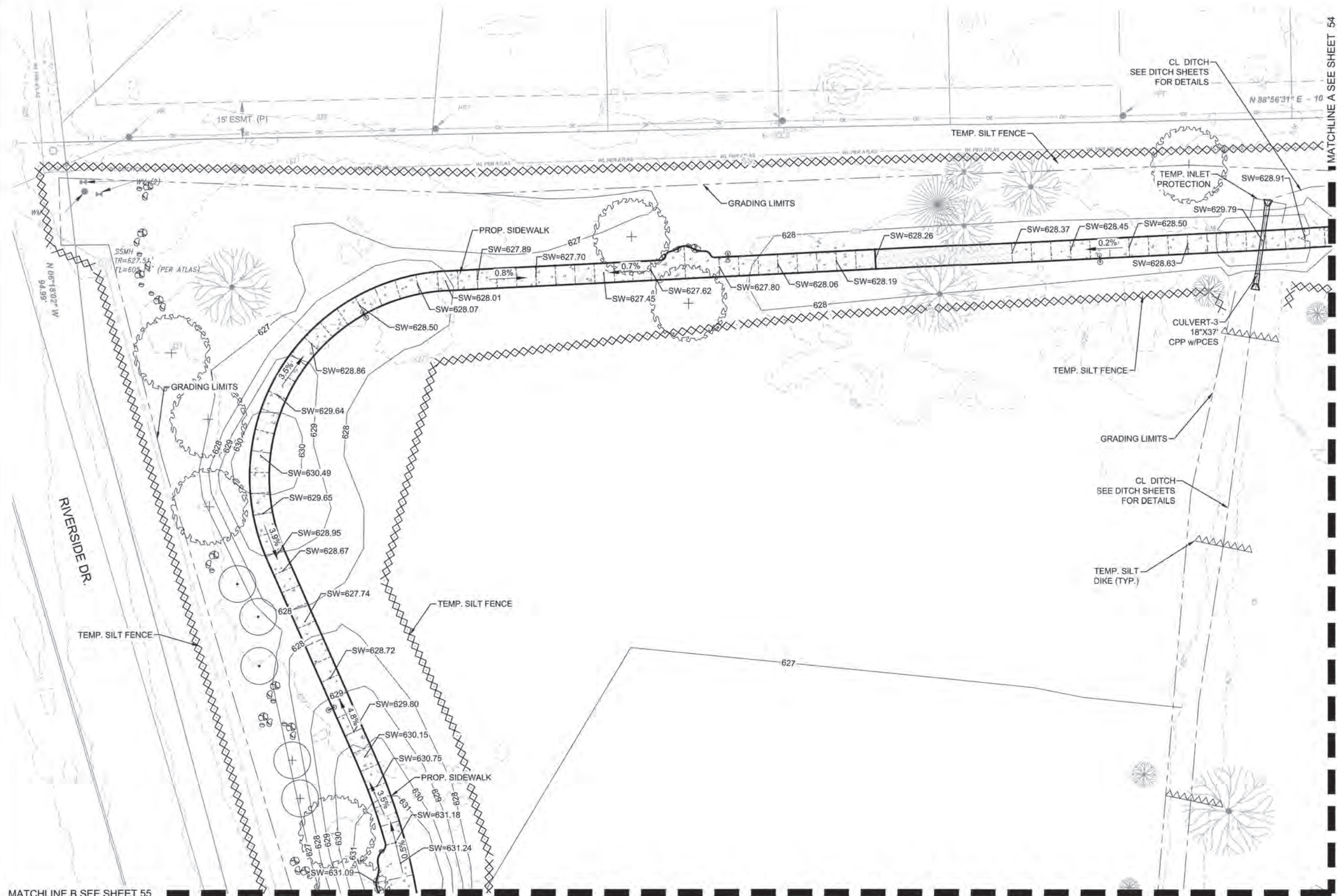
"ODEQ GENERAL PERMIT (OKR10) FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES WITHIN THE STATE OF OKLAHOMA." ODEQ, WATER QUALITY DIVISION, OCTOBER 18, 2022.

ADDITIONAL PERMITS REQUIRED FROM OKLAHOMA WATER RESOURCES BOARD AND/OR MUNICIPALITY FOR USE OF SURFACE, GROUND OR CITY WATER SOURCES FOR ACTIVITIES SUCH AS WATERING.



PROJECT # SP 21-6	
FRED JOHNSON PARK REHABILITATION	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF CITY EXPERIENCE	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23rd TULSA, OK 74107 918-564-6454	
REVISION	BY DATE
DRAWN	BKL NOVEMBER 2025
DESIGNED	BKL NOVEMBER 2025
SURVEY	FLS APR 2024
PROJ. MGR.	SL 12/10/25
LEAD ENGR.	TW 12/25
FIELD MGR.	SL 1/26
CIVIL STORMWATER MANAGEMENT PLAN	
SHEET 52 OF 119	

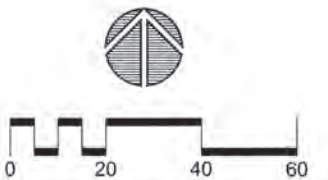
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LEGEND

- PROPOSED LIMESTONE SCREENINGS
- PROPOSED SIDEWALK/ PROPOSED CONCRETE PAVEMENT
- GRADING LIMITS
- PROPOSED FENCE
- PROPOSED LIGHT
- TEMPORARY SILT FENCE
- TEMPORARY SILT DIKE
- EXIST. CONTOURS
- PROP. CONTOURS
- PROP. DITCH

SW: SIDEWALK ELEVATION
TC: TOP OF CURB ELEVATION
G: GUTTER ELEVATION
P: PAVING ELEVATION
SP: SPLASH PAD ELEVATION
TG: TOP OF GRATE ELEVATION
SC: SLAB CORNER
TW: TOP OF WALL
EX SW: EXISTING SIDEWALK ELEVATION
EX G: EXISTING GUTTER ELEVATION



PROJECT # SP 21-6	
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CITY OF TULSA, OKLAHOMA DEPARTMENT OF CITY EXPERIENCE	
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REVISION	BY DATE
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DESIGNED	BKL NOVEMBER 2025
SURVEY	FLS APR 2024
PROJ. MGR	SL 12/10/25
LEAD ENGR	WJ 12/25
FIELD MGR	Jan 1/26
CIVIL GRADING PLAN (01)	
SHEET 53 OF 119	





SW: SIDEWALK ELEVATION
TC: TOP OF CURB ELEVATION
G: GUTTER ELEVATION
P: PAVING ELEVATION
SP: SPLASH PAD ELEVATION
TG: TOP OF GRATE ELEVATION
SC: SLAB CORNER
TW: TOP OF WALL

EX SW: EXISTING SIDEWALK ELEVATION
EX G: EXISTING GUTTER ELEVATION



PROJECT # SP 21-6

PLANS AND ESTIMATES PREPARED BY:
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54 OF 119

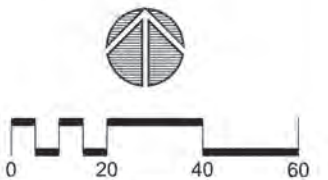
MATCHLINE B SEE SHEET 53

MATCHLINE D SEE SHEET 56

LEGEND

- PROPOSED LIMESTONE SCREENINGS
- PROPOSED SIDEWALK/ PROPOSED CONCRETE PAVEMENT
- GRADING LIMITS
- PROPOSED FENCE
- PROPOSED LIGHT
- TEMPORARY SILT FENCE
- TEMPORARY SILT DIKE
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PROJECT # SP 21-6
FRED JOHNSON PARK
REHABILITATION
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF CITY EXPERIENCE

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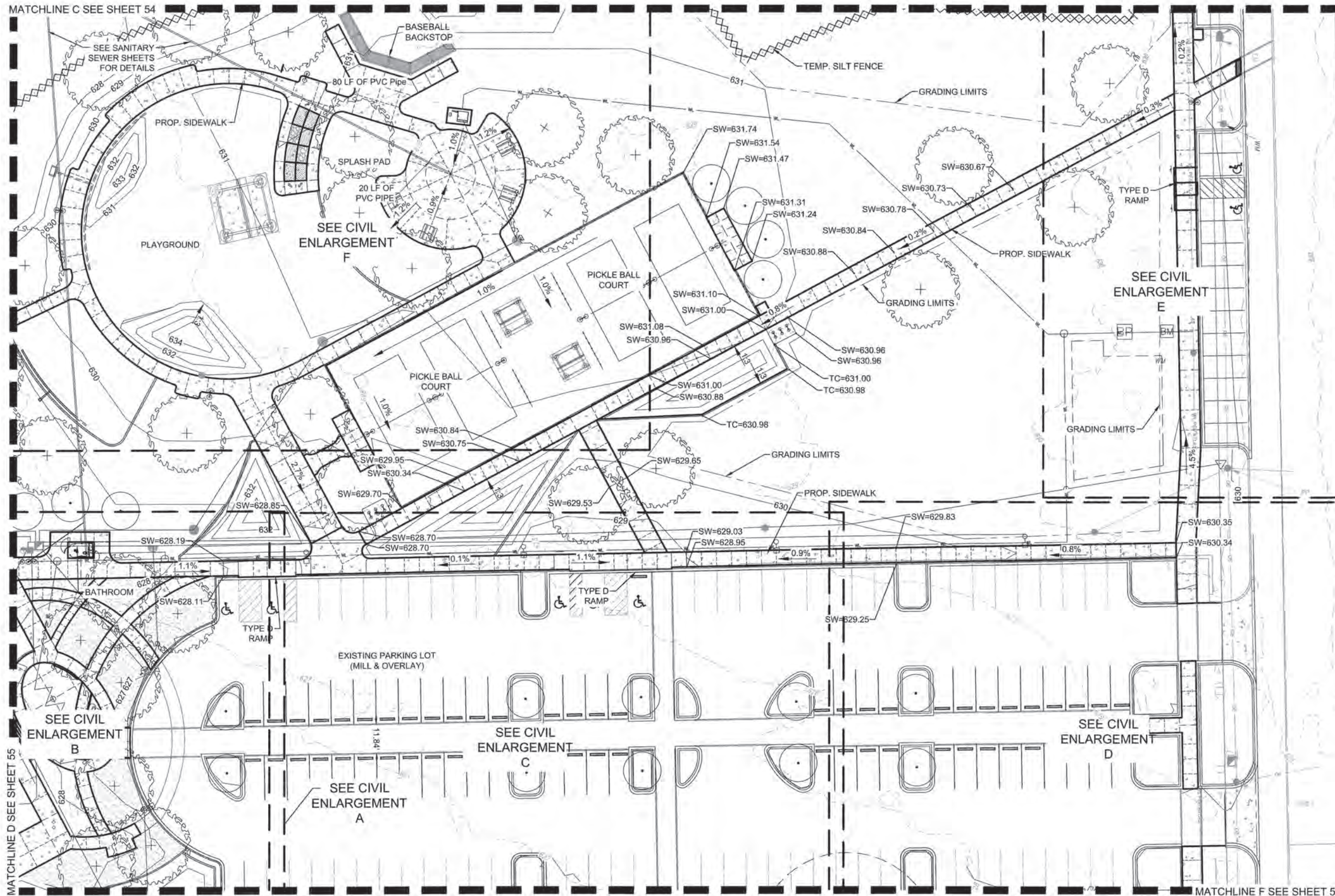
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DESIGNED	BKL	NOVEMBER 2025
SURVEY	FLS	APRIL 2024
PROJ. MNGR.	EL	12/10/25
LEAD ENGR.	TAJ	12/25
FIELD MNGR.	FLS	1/2

CIVIL GRADING PLAN (03) SHEET 55 OF 119

MATCHLINE E SEE SHEET 57

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	PROPOSED LIMESTONE SCREENINGS
	PROPOSED SIDEWALK/ PROPOSED CONCRETE PAVEMENT
	GRADING LIMITS
	PROPOSED FENCE
	PROPOSED LIGHT
	TEMPORARY SILT FENCE
	TEMPORARY SILT DIKE
	EXIST. CONTOURS
	PROP. CONTOURS
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SW: SIDEWALK ELEVATION
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EX SW: EXISTING SIDEWALK ELEVATION
EX G: EXISTING GUTTER ELEVATION



PROJECT # SP 21-6
FRED JOHNSON PARK
REHABILITATION
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF CITY EXPERIENCE

PLANS AND ESTIMATES PREPARED BY:			
LANDPLAN CONSULTANTS			
1110 WEST 23rd		TULSA, OK 74107	918-584-8864
DATE	DRAWN	BY	NOVEMBER 2025
	DESIGNED	BY	NOVEMBER 2025
	SURVEY	FILE	APR 2024
	PROJ. MGR.	SL	12/10/25
	LEAD ENGR.	EN	12/25
	FIELD MGR.	101	

CIVIL GRADING PLAN (04)	SHEET 56 OF 119
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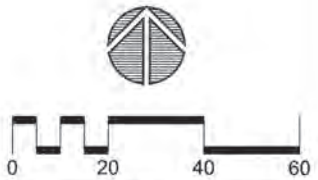
MATCHLINE E SEE SHEET 55

MATCHLINE H SEE SHEET 59

LEGEND

- PROPOSED LIMESTONE SCREENINGS
- PROPOSED SIDEWALK/ PROPOSED CONCRETE PAVEMENT
- GRADING LIMITS
- PROPOSED FENCE
- PROPOSED LIGHT
- TEMPORARY SILT FENCE
- TEMPORARY SILT DIKE
- EXIST. CONTOURS
- PROP. CONTOURS
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EX G: EXISTING GUTTER ELEVATION



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1110 WEST 23rd TULSA, OK 74107 918-584-6454

REVISION	BY	DATE

DRAWN	BKL	NOVEMBER 2025
DESIGNED	BKL	NOVEMBER 2025
SURVEY	FLS	APR 2024
PROJ. MGR.	SL	12/10/25
LEAD ENGR.	BN	12/25
FIELD MGR.	SL	12/25

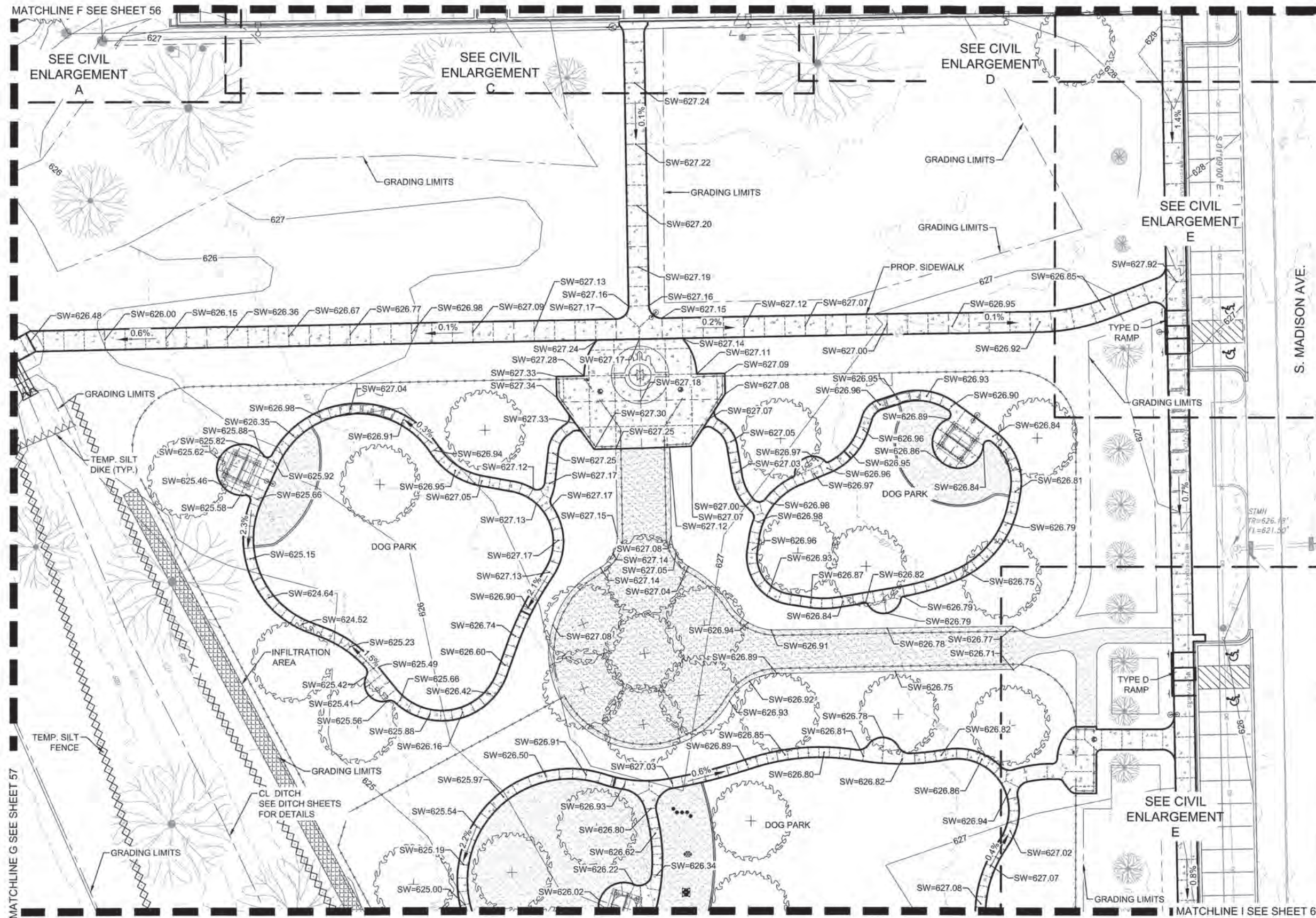
CIVIL GRADING PLAN (05)

SHEET 57 OF 119



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LEGEND

- PROPOSED LIMESTONE SCREENINGS
- PROPOSED SIDEWALK/PROPOSED CONCRETE PAVEMENT
- GRADING LIMITS
- PROPOSED FENCE
- PROPOSED LIGHT
- TEMPORARY SILT FENCE
- TEMPORARY SILT DIKE
- EXIST. CONTOURS
- PROP. CONTOURS
- PROP. DITCH

SW: SIDEWALK ELEVATION
TC: TOP OF CURB ELEVATION
G: GUTTER ELEVATION
P: PAVING ELEVATION
SP: SPLASH PAD ELEVATION
TG: TOP OF GRATE ELEVATION
SC: SLAB CORNER
TW: TOP OF WALL
EX SW: EXISTING SIDEWALK ELEVATION
EX G: EXISTING GUTTER ELEVATION



SITE PLAN KEY MAP



PROJECT # SP 21-6	
FRED JOHNSON PARK REHABILITATION	
CITY OF TULSA, OKLAHOMA	
DEPARTMENT OF CITY EXPERIENCE	
PLANS AND ESTIMATES PREPARED BY:	
LANDPLAN CONSULTANTS	
1110 WEST 23RD TULSA, OK 74107 918-284-6464	
REVISION	BY DATE
DRAWN	EKL NOVEMBER 2023
DESIGNED	EKL NOVEMBER 2023
SURVEY	FLS APR 2024
PROJ. MGR.	SL 12/10/25
LEAD ENGR.	BN 12/25
FIELD MGR.	JWC 1/16
CIVIL GRADING PLAN (06)	
SHEET 58 OF 119	



11/05/2025

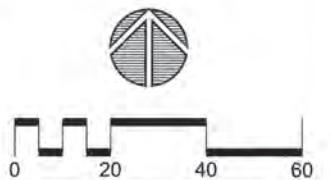


MATCHLINE H SEE SHEET 57

LEGEND

- PROPOSED LIMESTONE SCREENINGS
- PROPOSED SIDEWALK/ PROPOSED CONCRETE PAVEMENT
- GRADING LIMITS
- PROPOSED FENCE
- PROPOSED LIGHT
- TEMPORARY SILT FENCE
- TEMPORARY SILT DIKE
- EXIST. CONTOURS
- PROP. CONTOURS
- PROP. DITCH

SW: SIDEWALK ELEVATION
TC: TOP OF CURB ELEVATION
G: GUTTER ELEVATION
P: PAVING ELEVATION
SP: SPLASH PAD ELEVATION
TG: TOP OF GRATE ELEVATION
SC: SLAB CORNER
TW: TOP OF WALL
EX SW: EXISTING SIDEWALK ELEVATION
EX G: EXISTING GUTTER ELEVATION



PROJECT # SP 21-6
FRED JOHNSON PARK REHABILITATION
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF CITY EXPERIENCE

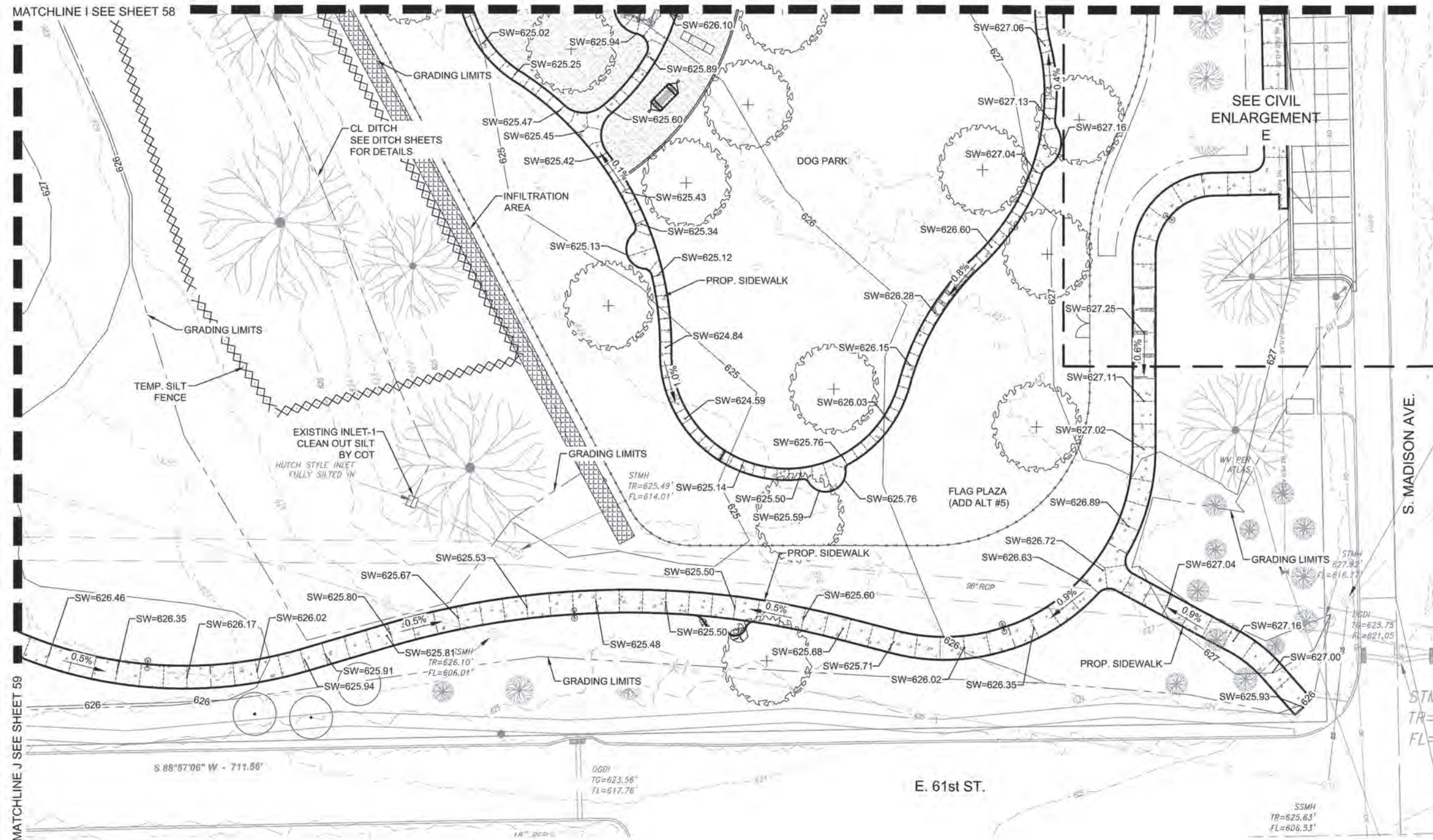
PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1119 WEST 23RD TULSA, OK 74107 918-464-6404

REVISION	BY	DATE
DRAWN	BKL	NOVEMBER 2025
DESIGNED	BKL	NOVEMBER 2025
SURVEY	FLS	APR 2024
PROJ. MGR.	SL	12/10/25
LEAD ENGR.	SL	12/25
FIELD MGR.	SL	1/6/26

CIVIL GRADING PLAN (07)

SHEET 59 OF 119





LEGEND

- PROPOSED LIMESTONE SCREENINGS
- PROPOSED SIDEWALK/ PROPOSED CONCRETE PAVEMENT
- GRADING LIMITS
- PROPOSED FENCE
- PROPOSED LIGHT
- TEMPORARY SILT FENCE
- TEMPORARY SILT DIKE
- EXIST. CONTOURS
- PROP. CONTOURS
- PROP. DITCH

SW: SIDEWALK ELEVATION
 TC: TOP OF CURB ELEVATION
 G: GUTTER ELEVATION
 P: PAVING ELEVATION
 SP: SPLASH PAD ELEVATION
 TG: TOP OF GRATE ELEVATION
 SC: SLAB CORNER
 TW: TOP OF WALL
 EX SW: EXISTING SIDEWALK ELEVATION
 EX G: EXISTING GUTTER ELEVATION



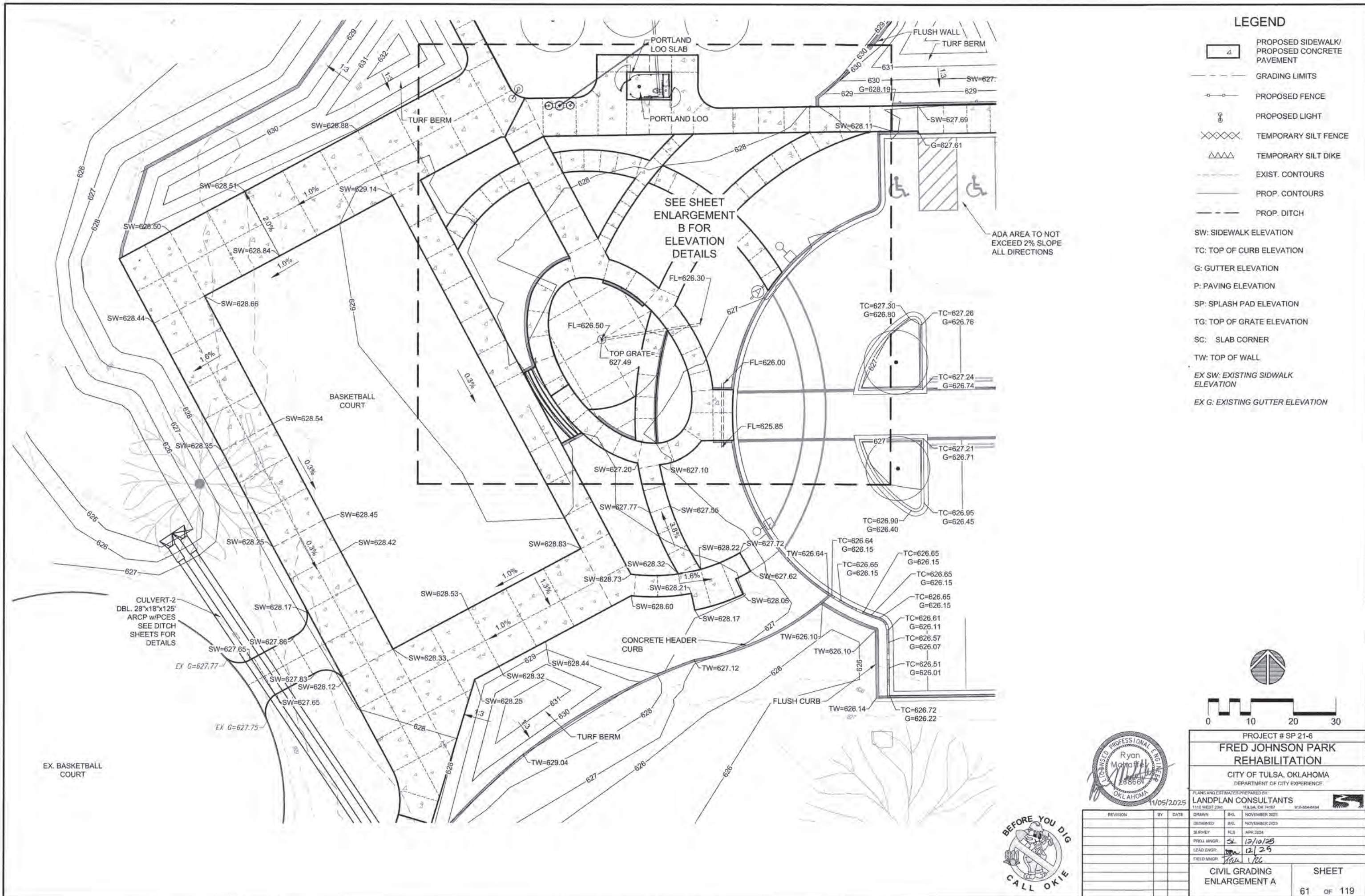
SITE PLAN KEY MAP



PROJECT # SP 21-6	
FRED JOHNSON PARK REHABILITATION	
CITY OF TULSA, OKLAHOMA	
DEPARTMENT OF CITY EXPERIENCE	
PLANS AND ESTIMATES PREPARED BY:	
LANDPLAN CONSULTANTS	
1110 WEST 23RD TULSA, OK 74107 918-484-6464	
REVISION	BY DATE
DRAWN	BKL NOVEMBER 2025
DESIGNED	BKL NOVEMBER 2025
SURVEY	FLS APR 2024
PROJ. MGR.	SL 12/10/25
LEAD ENGR.	DN 12/29
FIELD MGR.	SL 1/26
CIVIL GRADING PLAN (08)	
SHEET 60 OF 119	



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LEGEND

- PROPOSED SIDEWALK/
PROPOSED CONCRETE
PAVEMENT
- GRADING LIMITS
- PROPOSED FENCE
- PROPOSED LIGHT
- TEMPORARY SILT FENCE
- TEMPORARY SILT DIKE
- EXIST. CONTOURS
- PROP. CONTOURS
- PROP. DITCH

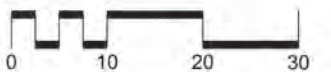
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TC: TOP OF CURB ELEVATION
G: GUTTER ELEVATION
P: PAVING ELEVATION
SP: SPLASH PAD ELEVATION
TG: TOP OF GRATE ELEVATION
SC: SLAB CORNER
TW: TOP OF WALL
EX SW: EXISTING SIDEWALK
ELEVATION
EX G: EXISTING GUTTER ELEVATION



PROJECT # SP 21-6	
FRED JOHNSON PARK REHABILITATION	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF CITY EXPERIENCE	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS	
1110 WEST 23RD TULSA, OK 74107 918-584-6454	
REVISION	BY DATE
DRAWN	BKL NOVEMBER 2025
DESIGNED	BKL NOVEMBER 2025
SURVEY	FLS APR 2024
PROJ. MGR.	SL 12/10/25
LEAD ENGR.	12/25
FIELD MGR.	1/26
CIVIL GRADING ENLARGEMENT A	
SHEET 61 OF 119	



	PROPOSED SIDEWALK/ PROPOSED CONCRETE PAVEMENT
	GRADING LIMITS
	PROPOSED FENCE
	PROPOSED LIGHT
	TEMPORARY SILT FENCE
	TEMPORARY SILT DIKE
	EXIST. CONTOURS
	PROP. CONTOURS
	PROP. DITCH
W: SIDEWALK ELEVATION	
C: TOP OF CURB ELEVATION	
G: GUTTER ELEVATION	
P: PAVING ELEVATION	
S: SPLASH PAD ELEVATION	
G: TOP OF GRATE ELEVATION	
C: SLAB CORNER	
W: TOP OF WALL	
SW: EXISTING SIDEWALK ELEVATION	
G: EXISTING GUTTER ELEVATION	



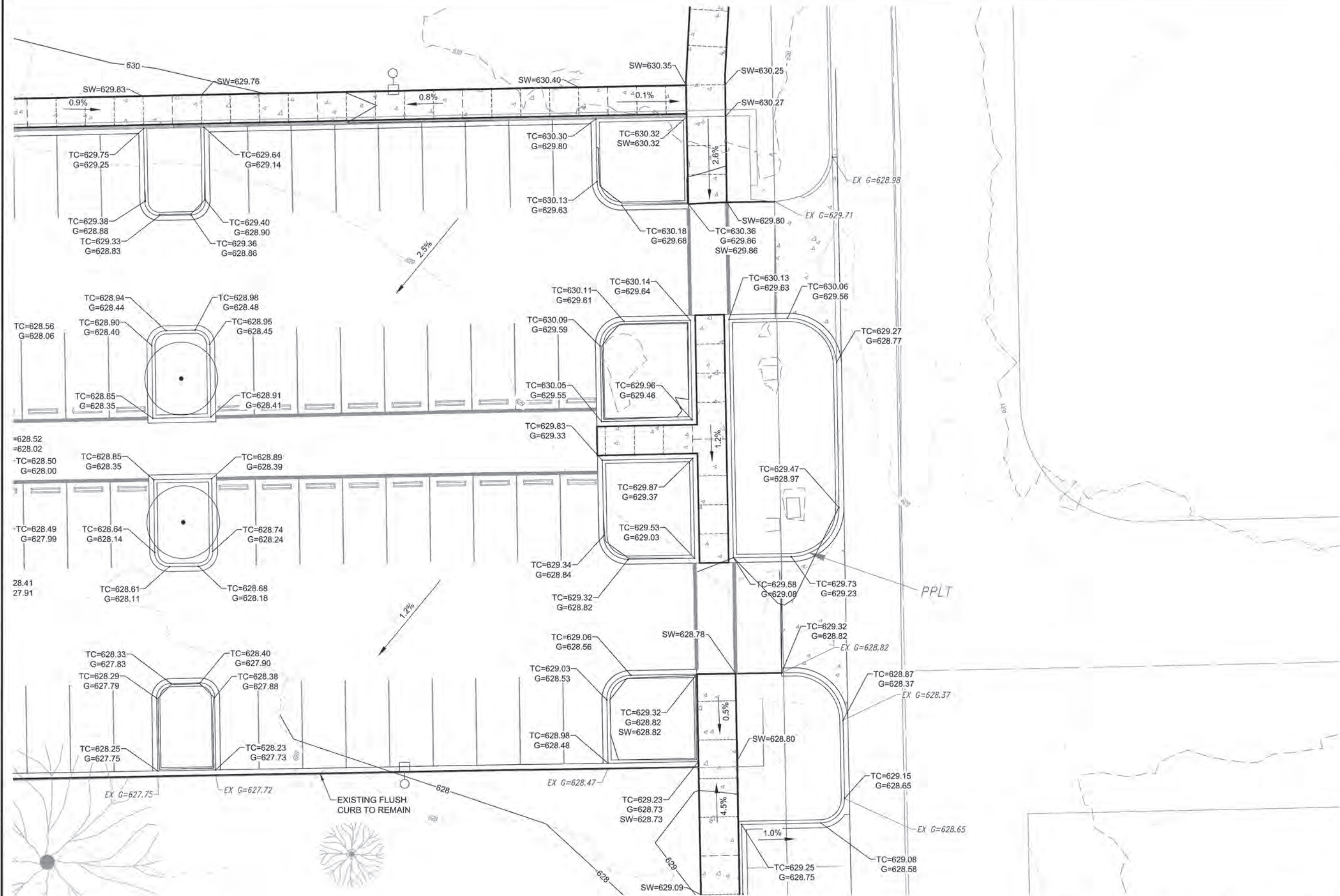
PROJECT # SP 21-6
FRED JOHNSON PARK
REHABILITATION
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF CITY EXPERIENCE

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23rd TULSA, OK 74107 918-584-6404

REVISION	BY	DATE	DRAWN	BKL	NOVEMBER 2025	11/10/2025	9:10:00-0000
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			SURVEY	FLS	APRIL 2024		
			PROJ. MNGR.	SL	12/10/25		
			LEAD ENGR.	FLS	12/12/25		
			FIELD MNGR.	FLS	1/25		
			CIVIL GRADING ENLARGEMENT C				SHEET
							63 OF 119



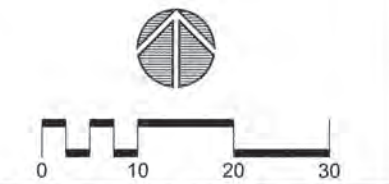
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LEGEND

- PROPOSED SIDEWALK/ PROPOSED CONCRETE PAVEMENT
- GRADING LIMITS
- PROPOSED FENCE
- PROPOSED LIGHT
- TEMPORARY SILT FENCE
- TEMPORARY SILT DIKE
- EXIST. CONTOURS
- PROP. CONTOURS
- PROP. DITCH

SW: SIDEWALK ELEVATION
TC: TOP OF CURB ELEVATION
G: GUTTER ELEVATION
P: PAVING ELEVATION
SP: SPLASH PAD ELEVATION
TG: TOP OF GRATE ELEVATION
SC: SLAB CORNER
TW: TOP OF WALL
EX SW: EXISTING SIDEWALK ELEVATION
EX G: EXISTING GUTTER ELEVATION



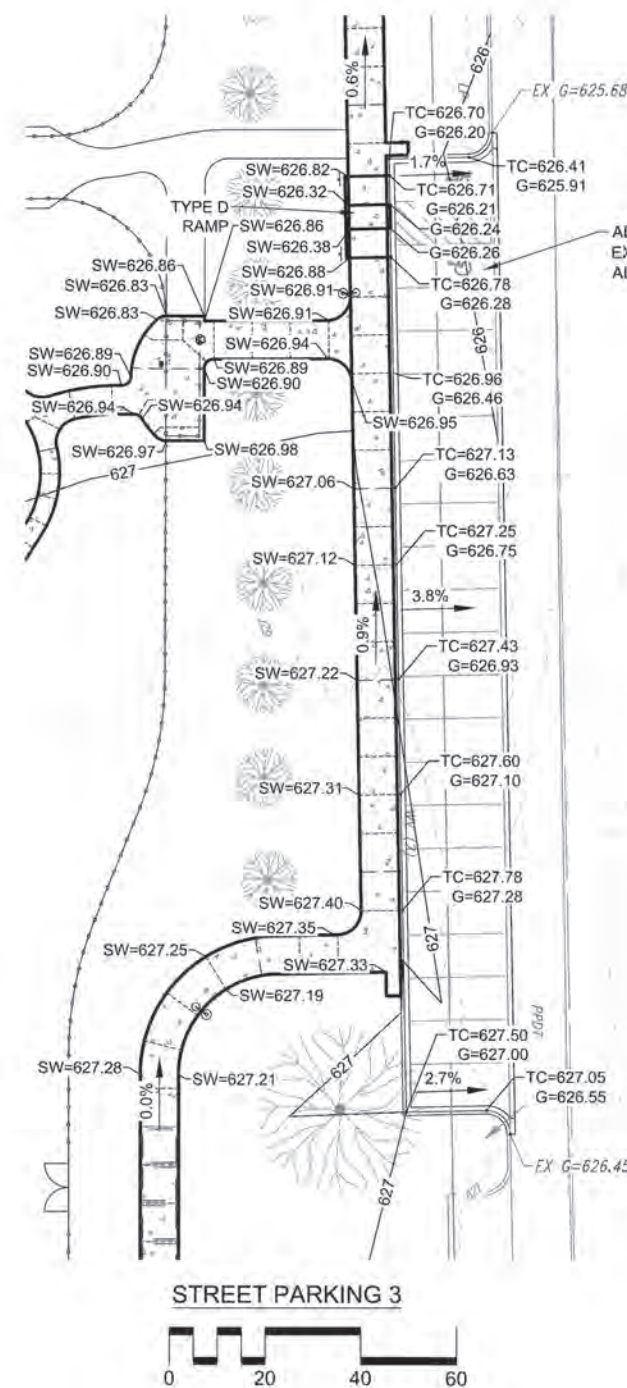
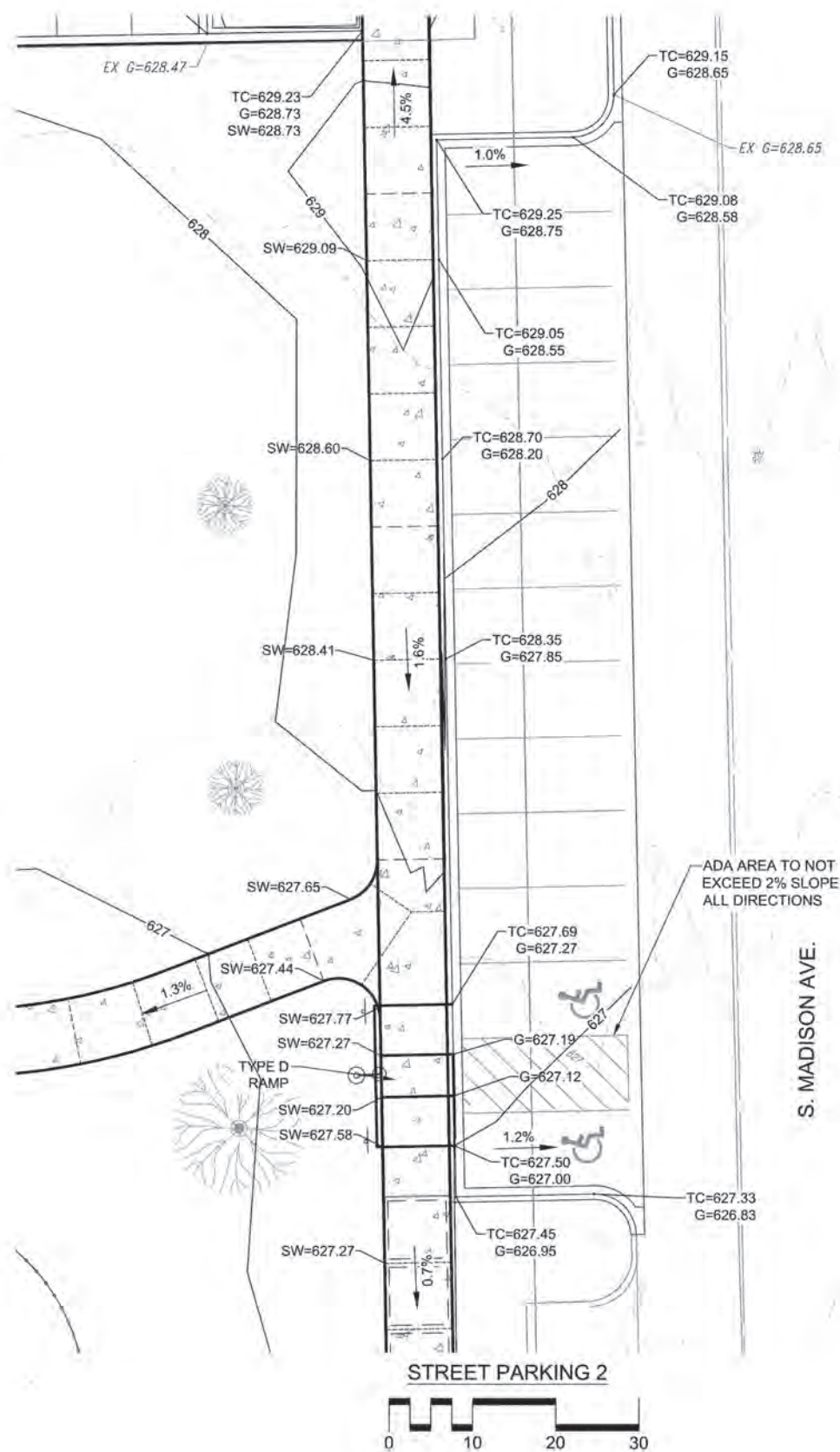
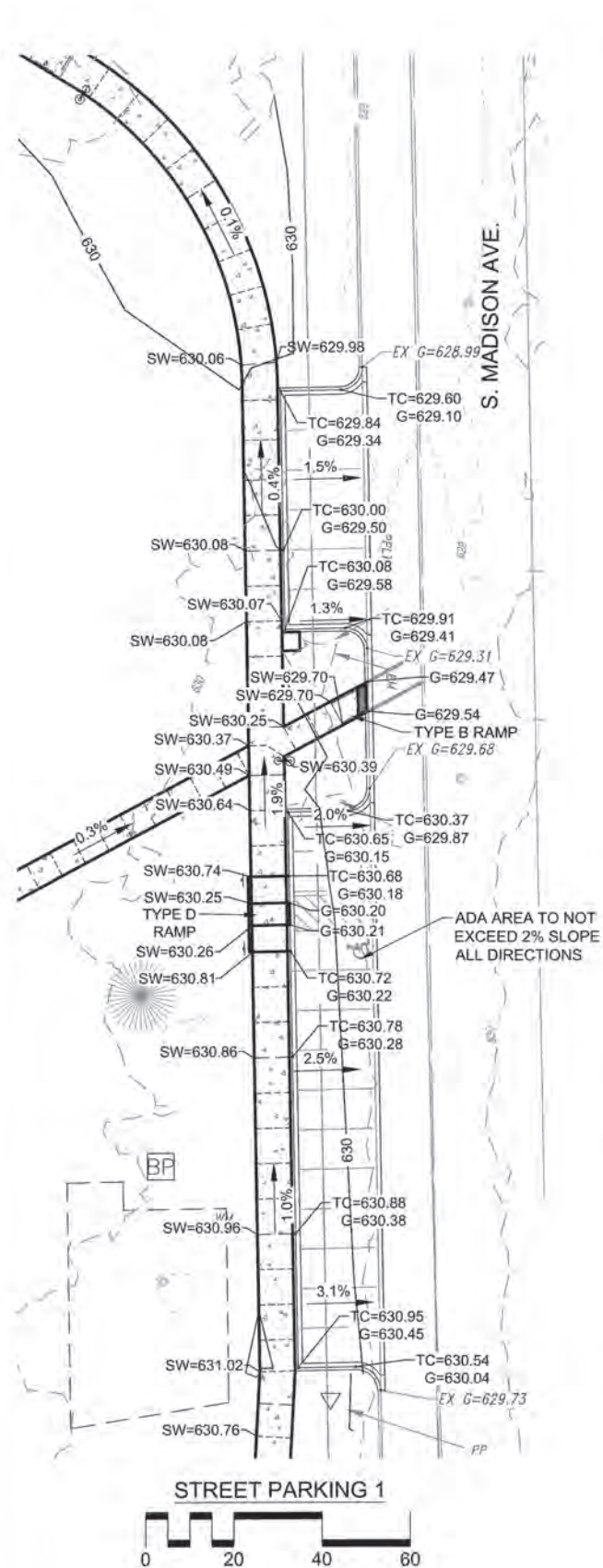
PROJECT # SP 21-6
FRED JOHNSON PARK
REHABILITATION
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF CITY EXPERIENCE

PLANS AND ESTIMATES PREPARED BY:			
LANDPLAN CONSULTANTS			
1110 WEST 23rd	TULSA, OK 74107	918-584-6464	
DESIGNED	BNL	NOVEMBER 2025	
SURVEY	FLS	APR 2024	
PROJ. MGR.	SL	12/10/25	
LEAD ENGR.	SL	12/25	
FIELD MGR.	SL	12/25	

CIVIL GRADING
ENLARGEMENT D

SHEET
64 OF 119





LEGEND

- | | |
|---|---|
|  | PROPOSED SIDEWALK/
PROPOSED CONCRETE
PAVEMENT |
|  | GRADING LIMITS |
|  | PROPOSED FENCE |
|  | PROPOSED LIGHT |
|  | TEMPORARY SILT FENCE |
|  | TEMPORARY SILT DIKE |
|  | EXIST. CONTOURS |
|  | PROP. CONTOURS |
|  | PROP. DITCH |
| SW: SIDEWALK ELEVATION | |
| TC: TOP OF CURB ELEVATION | |
| G: GUTTER ELEVATION | |
| P: PAVING ELEVATION | |
| SP: SPLASH PAD ELEVATION | |
| TG: TOP OF GRATE ELEVATION | |
| SC: SLAB CORNER | |
| TW: TOP OF WALL | |
| EX SW: EXISTING SIDEWALK
ELEVATION | |
| EX G: EXISTING GUTTER ELEVATION | |



PROJECT # SP 21-6

FRED JOHNSON PARK
REHABILITATION

CITY OF TULSA, OKLAHOMA
DEPARTMENT OF CITY EXPERIENCE

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS

1110 WEST 23RD	TULSA, OK 74107	918-584-54
----------------	-----------------	------------

E	DRAWN	BKL	NOVEMBER 202
	DESIGNED	BKL	NOVEMBER 202

DESIGNED	SKL	NOVEMBER 2002
SURVEY	D.S.	APR 2004

PROJ MGR	4	12/10/25
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LEAD ENGR	DR	12/25
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FIELD INGR.	1/16
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CIVIL GRADING

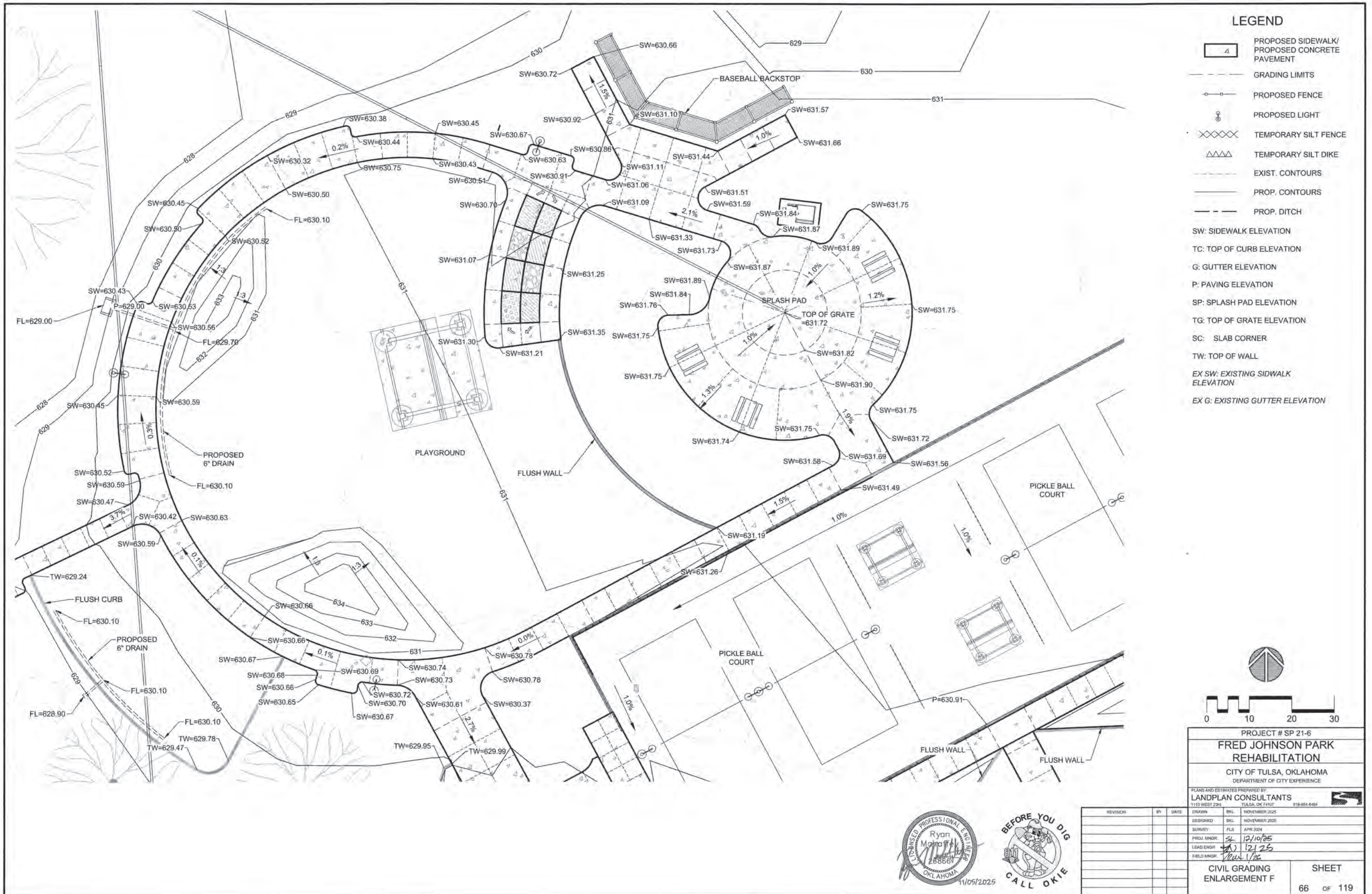
CIVIL GRADING
ENLARGEMENT 5'

ENLARGEMENT I E

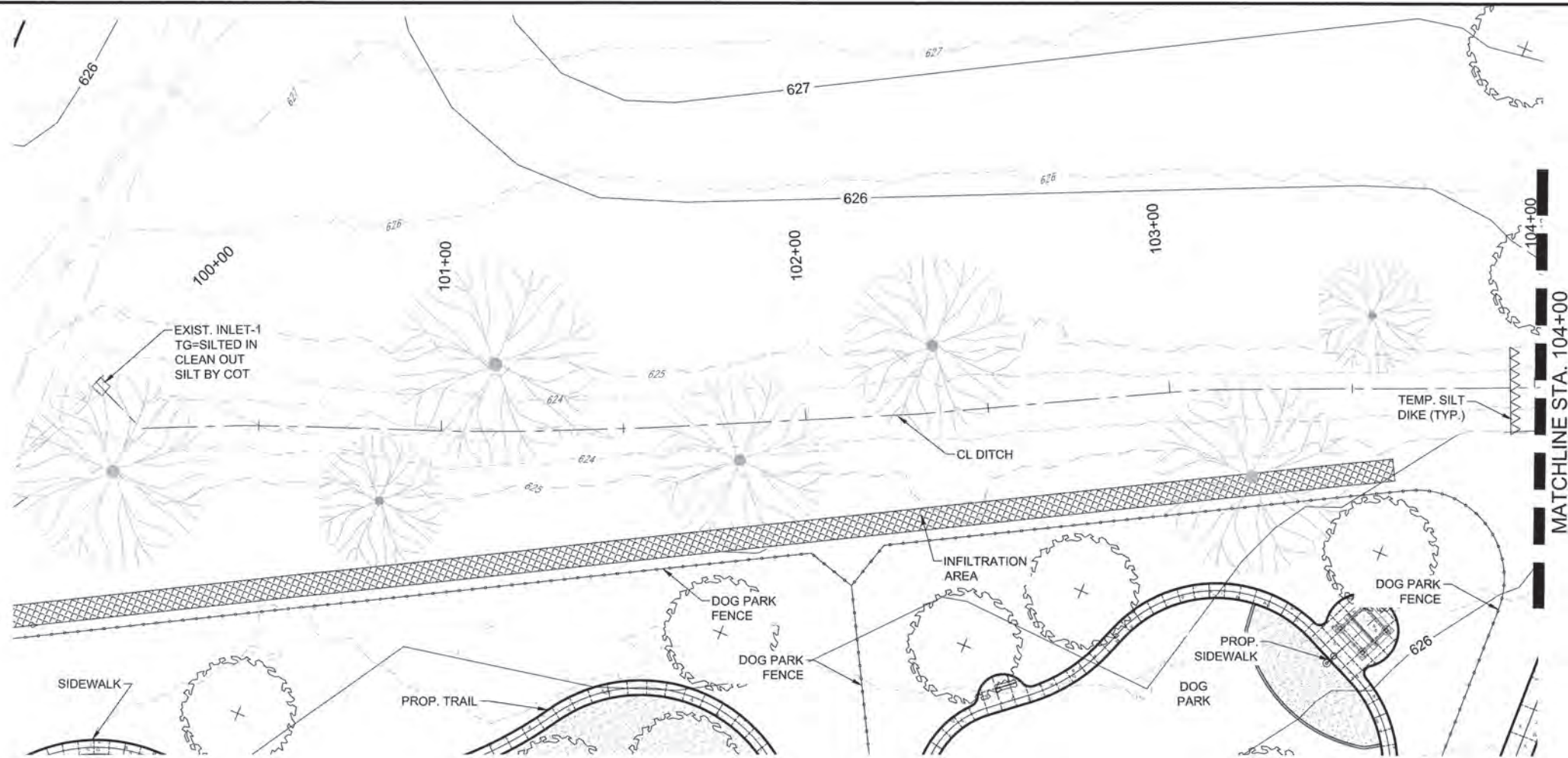
SHEET

65 OF 119

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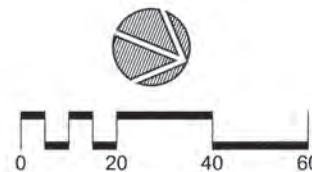
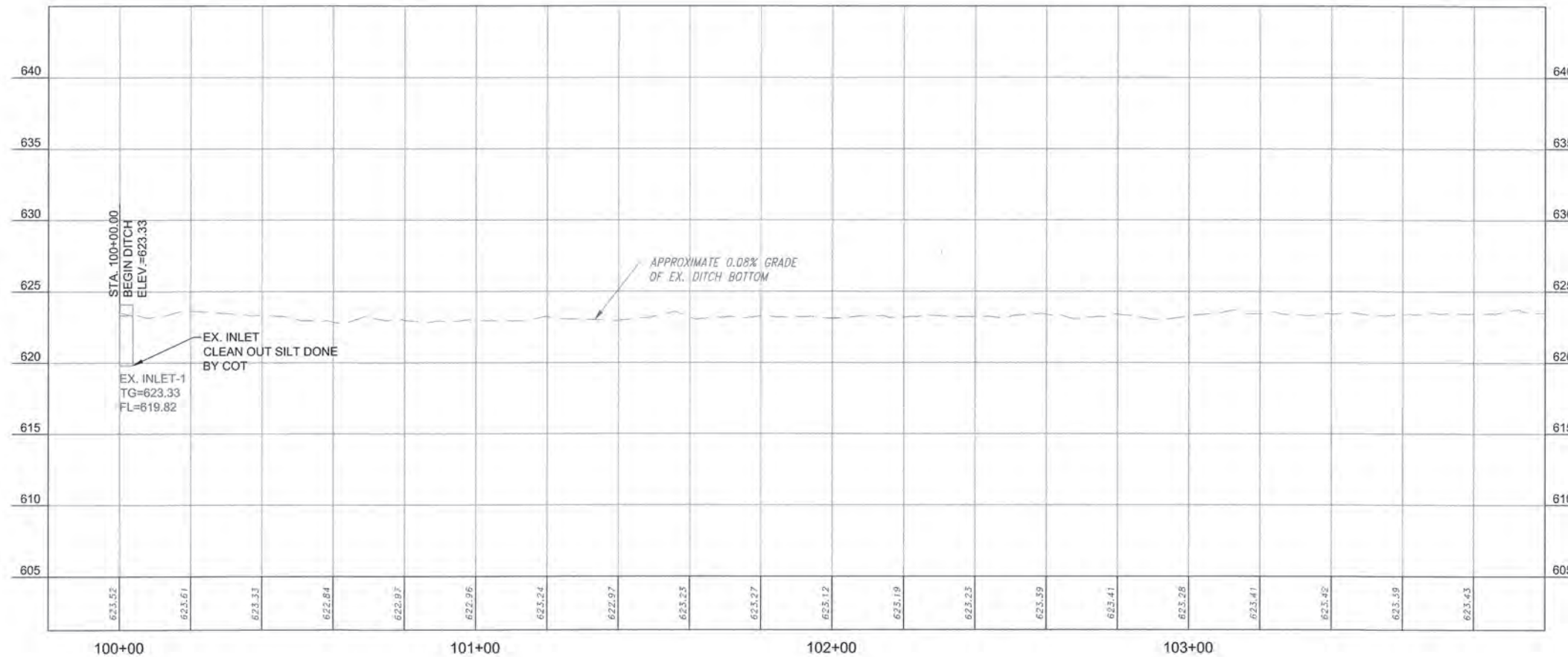


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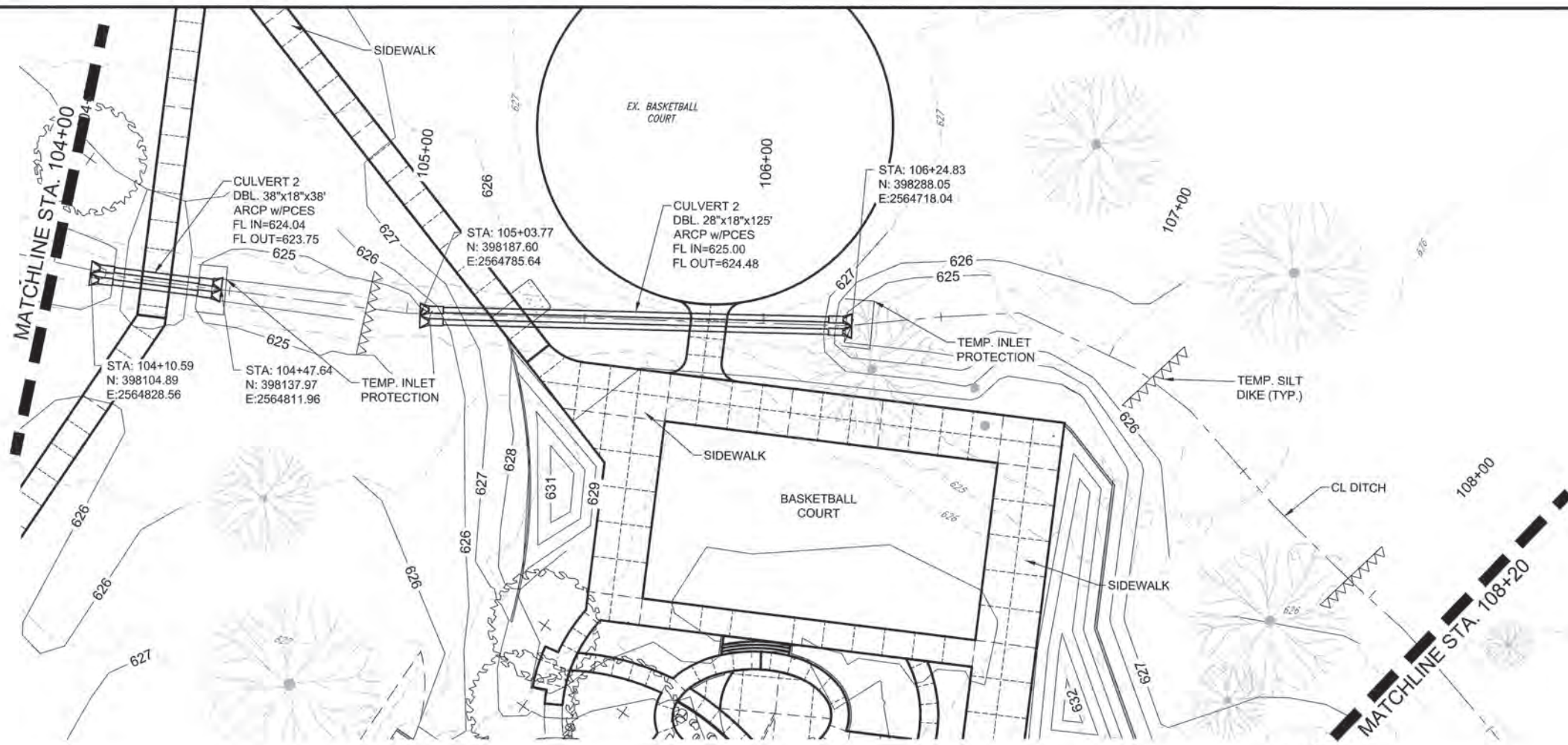
LEGEND

- PROPOSED INFILTRATION AREA
- PROPOSED SIDEWALK/ PROPOSED CONCRETE PAVEMENT
- GRADING LIMITS
- PROPOSED FENCE
- PROPOSED LIGHT
- TEMPORARY SILT FENCE
- TEMPORARY SILT DIKE
- EXIST. CONTOURS
- PROP. CONTOURS
- PROP. DITCH



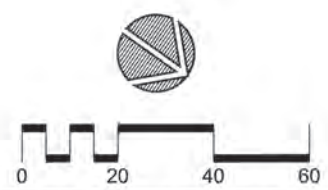
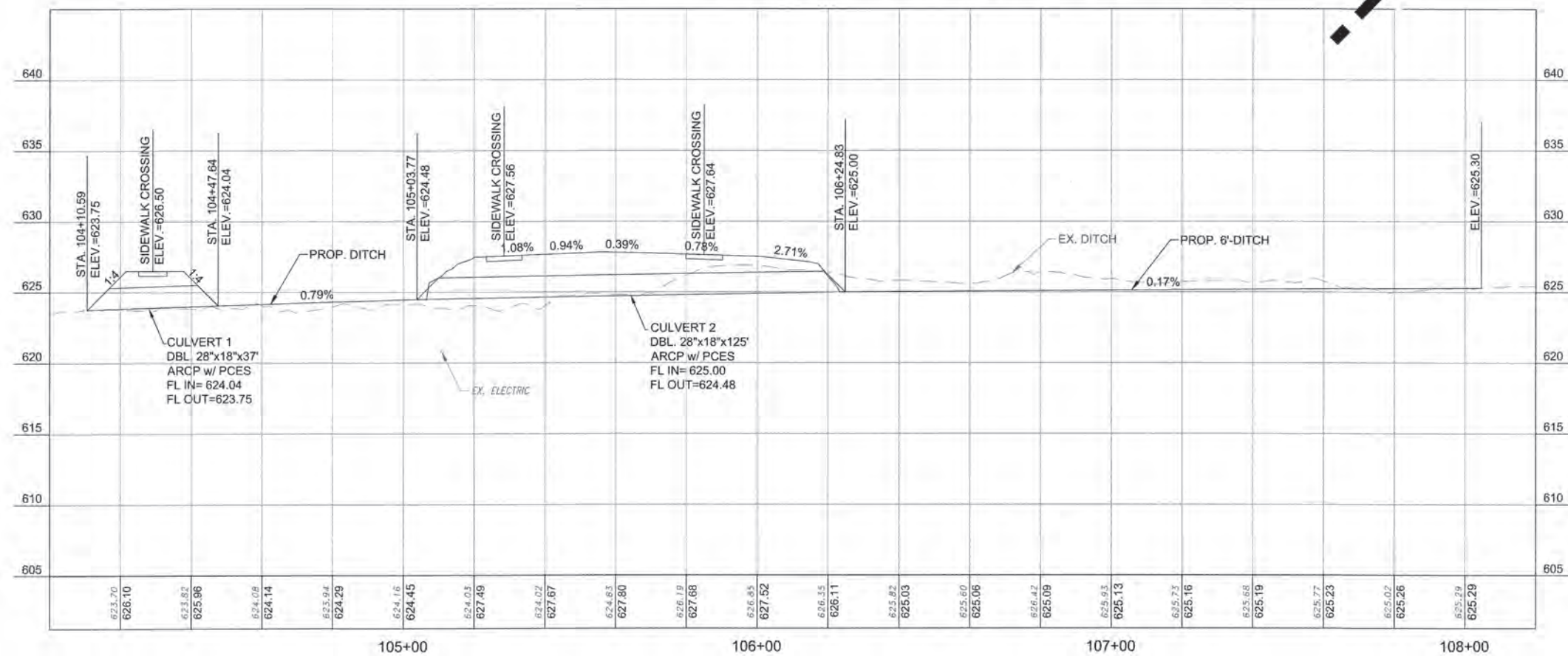
PROJECT # SP 21-6	
FRED JOHNSON PARK REHABILITATION	
CITY OF TULSA, OKLAHOMA	
DEPARTMENT OF CITY EXPERIENCE	
PLANS AND ESTIMATES PREPARED BY:	
LANDPLAN CONSULTANTS	
1110 WEST 23RD TULSA, OK 74107 918-584-0464	
REVISION	BY DATE
DRAWN	BKL NOVEMBER 2025
DESIGNED	BKL NOVEMBER 2025
SURVEY	FLS APR 2024
PROJ. MGR.	SL 12/10/23
LEAD ENGR.	SL 12/23
FIELD MGR.	SL 1/22
DITCH PLAN & PROFILE (01)	
SHEET	
67 OF 119	

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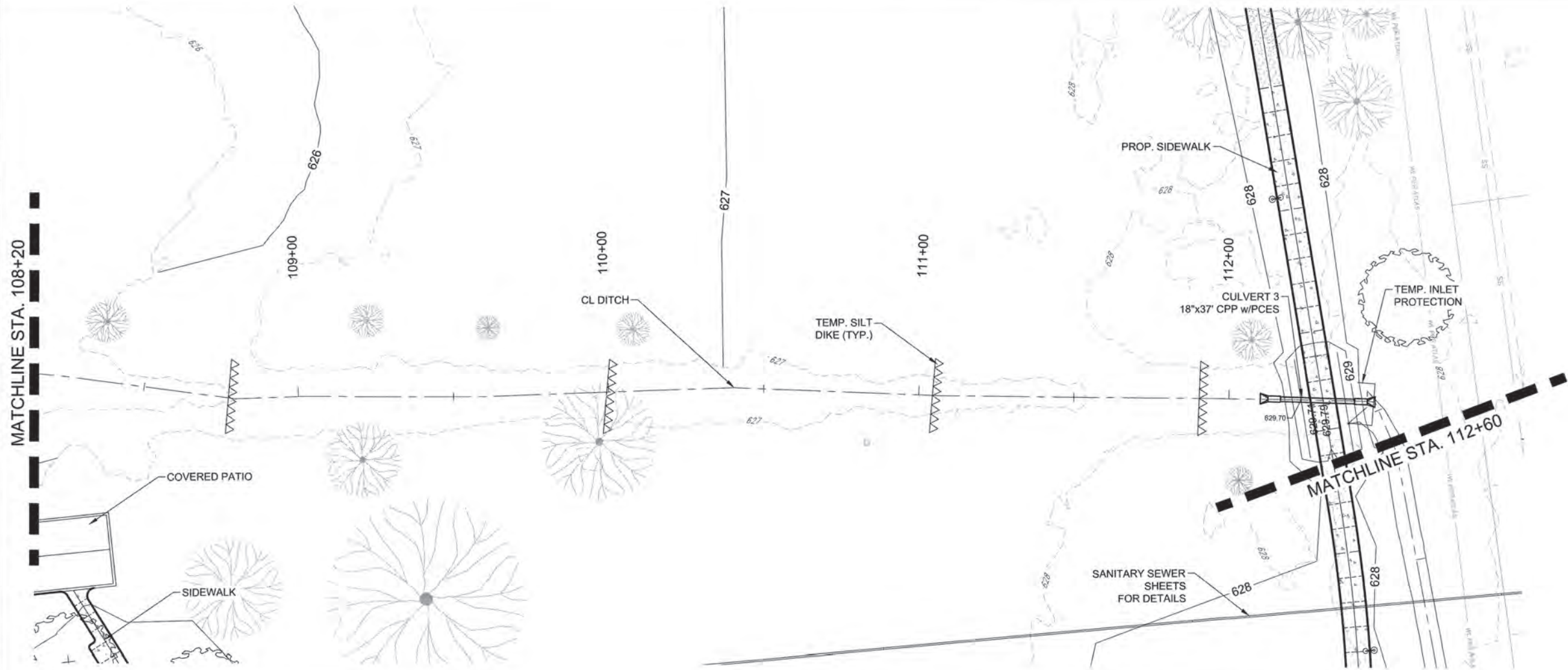
LEGEND

- PROPOSED INFILTRATION AREA
- PROPOSED SIDEWALK/ PROPOSED CONCRETE PAVEMENT
- GRADING LIMITS
- PROPOSED FENCE
- PROPOSED LIGHT
- TEMPORARY SILT FENCE
- TEMPORARY SILT DIKE
- EXIST. CONTOURS
- PROP. CONTOURS
- PROP. DITCH



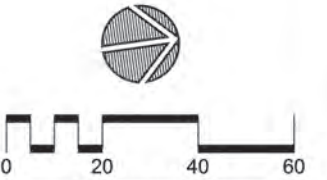
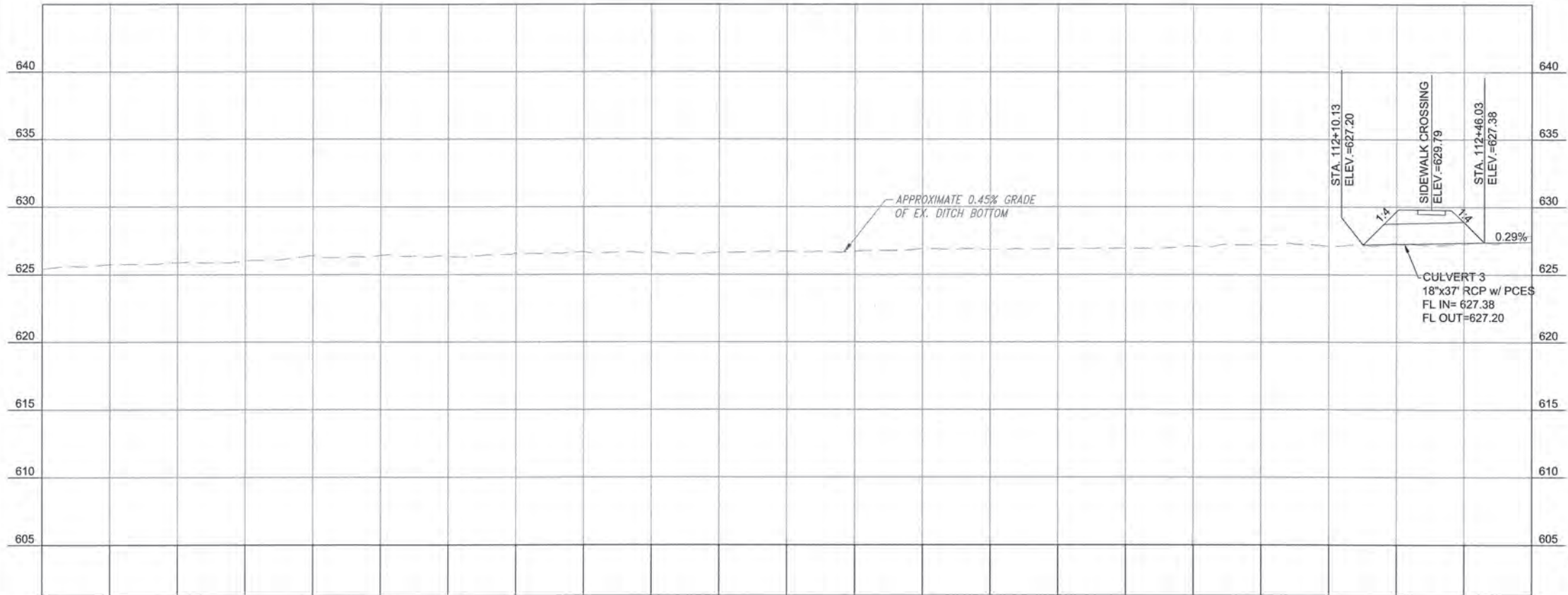
PROJECT # SP 21-6			
FRED JOHNSON PARK REHABILITATION			
CITY OF TULSA, OKLAHOMA			
DEPARTMENT OF CITY EXPERIENCE			
PLANS AND ESTIMATES PREPARED BY:			
1110 WEST 23rd	TULSA, OK 74107	318-554-6454	
LANDPLAN CONSULTANTS			
REVISION	BY	DATE	
DRAWN	BNL	NOVEMBER 2025	
DESIGNED	BNL	NOVEMBER 2025	
SURVEY	FLB	APRIL 2024	
PROJ. MGR.	SL	12/10/25	
LEAD ENGR.	BN	12/25	
FIELD MGR.	BN	1/16	
DITCH PLAN & PROFILE (02)			SHEET
			68 OF 119

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LEGEND

- PROPOSED INFILTRATION AREA
- PROPOSED SIDEWALK/
PROPOSED CONCRETE
PAVEMENT
- GRADING LIMITS
- PROPOSED FENCE
- PROPOSED LIGHT
- TEMPORARY SILT FENCE
- TEMPORARY SILT DIKE
- EXIST. CONTOURS
- PROP. CONTOURS
- PROP. DITCH



PROJECT # SP 21-6	
FRED JOHNSON PARK REHABILITATION	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF CITY EXPERIENCE	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS	
1110 WEST 23rd TULSA, OK 74107 918-584-6454	
DATE 02/26/2024	
REVISION	BY DATE
DRAWN	BKL NOVEMBER 2025
DESIGNED	BKL NOVEMBER 2025
SURVEY	FLS APR 2024
PROJ. MGR.	SL 3/24
LEAD ENGR.	SL 3/26
FIELD MGR.	SL 3/26
DITCH PLAN & PROFILE (03)	
SHEET 69 OF 119	

X:\Projects\851-LandPlan-COT-Fred Johnson Park\DWG\Sheets\851-PP01.dwg, 260224 - 10:23 AM, CDM

LEGEND

- PROPOSED INFILTRATION AREA
- PROPOSED SIDEWALK/ PROPOSED CONCRETE PAVEMENT
- GRADING LIMITS
- PROPOSED FENCE
- PROPOSED LIGHT
- TEMPORARY SILT FENCE
- TEMPORARY SILT DIKE
- EXIST. CONTOURS
- PROP. CONTOURS
- PROP. DITCH

8" VCP (PER ATLAS)
113+00
EXIST. SSMH
N=398939.34
E=2564631.33
TR=627.96
FL=621.88

MATCHLINE STA. 112+60

CL V-DITCH

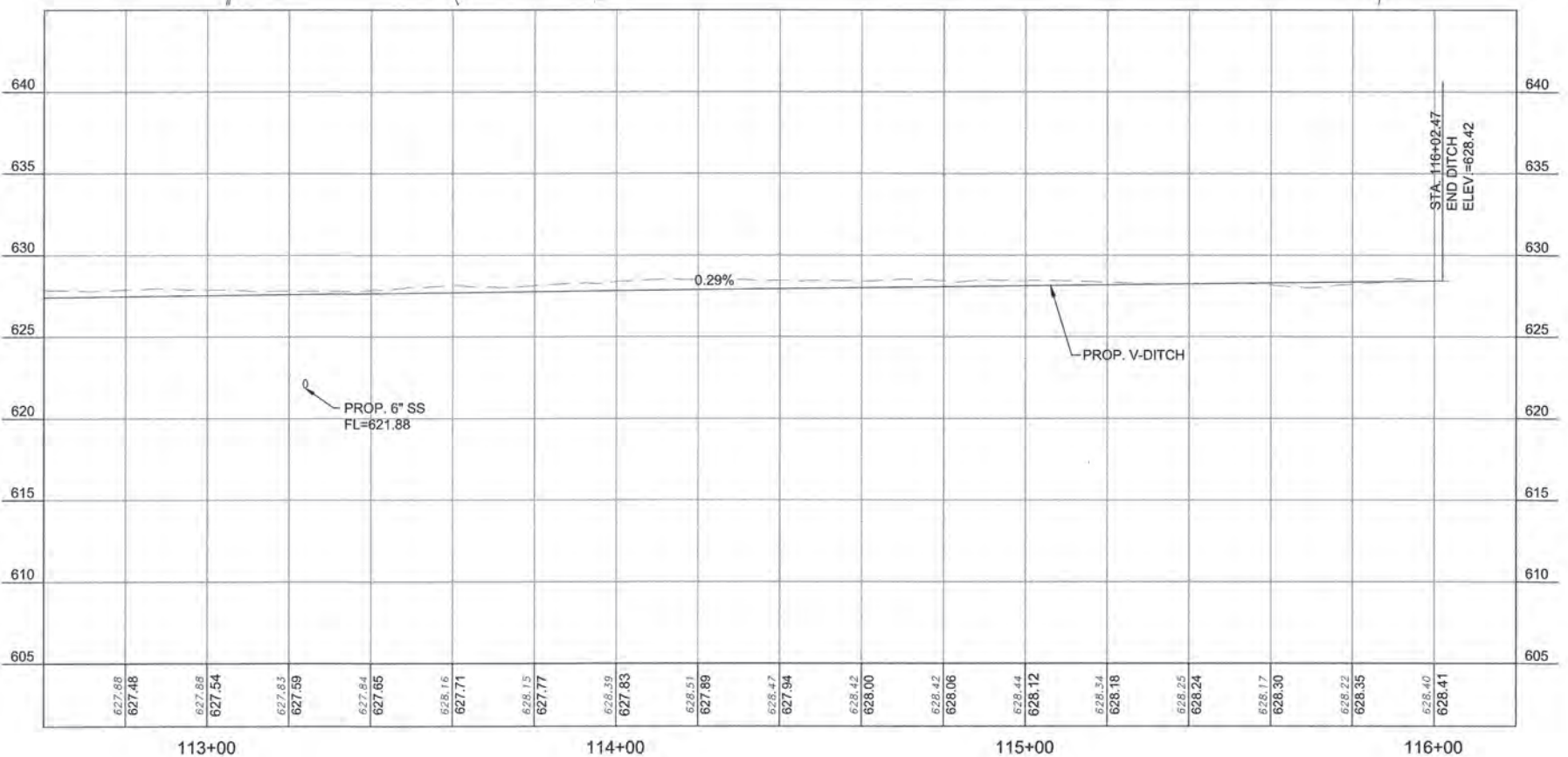
SIDEWALK

SEE SANITARY
SEWER SHEETS
FOR DETAILS

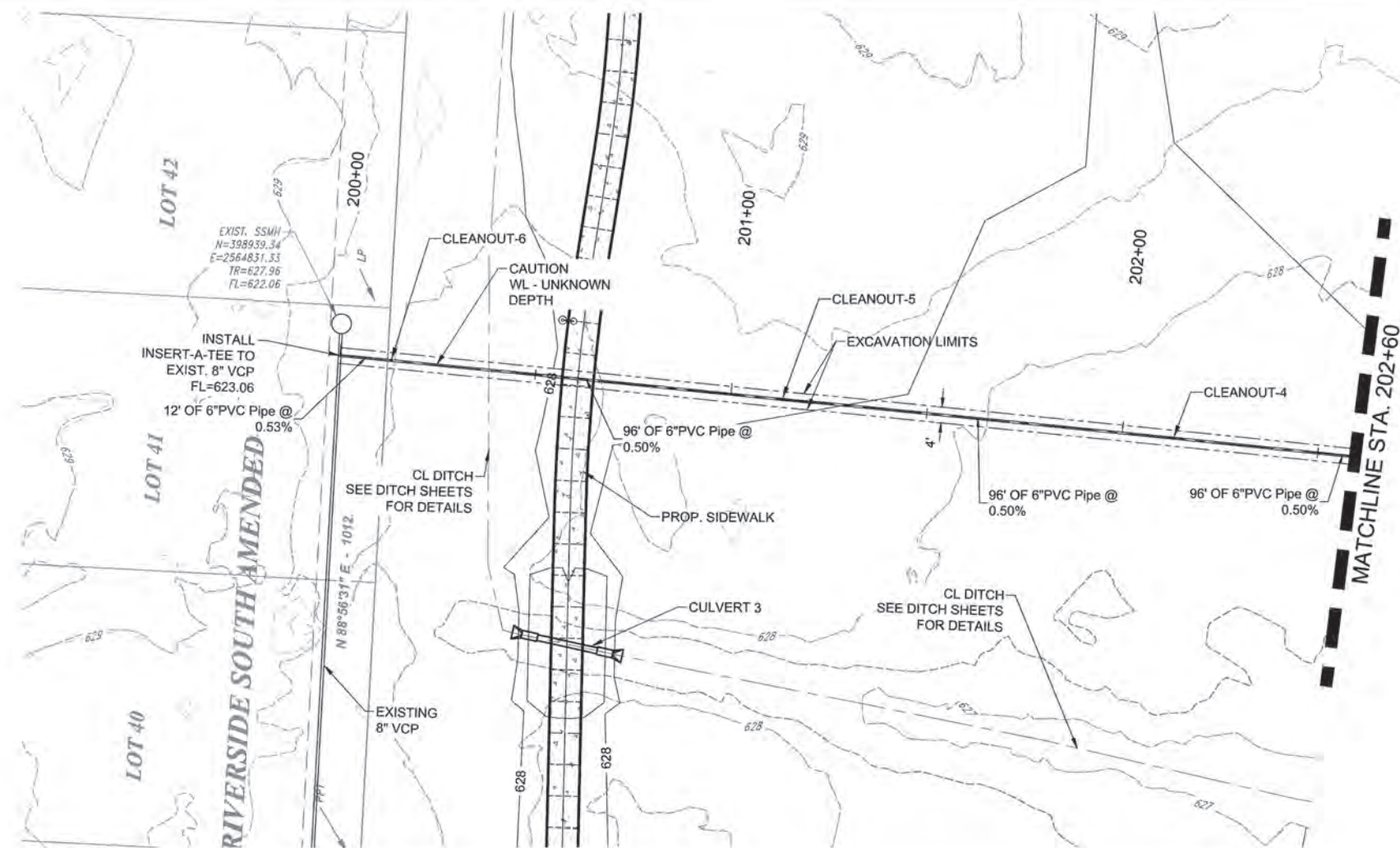
GRADING LIMITS

15' ESMT (P)

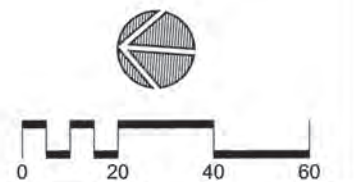
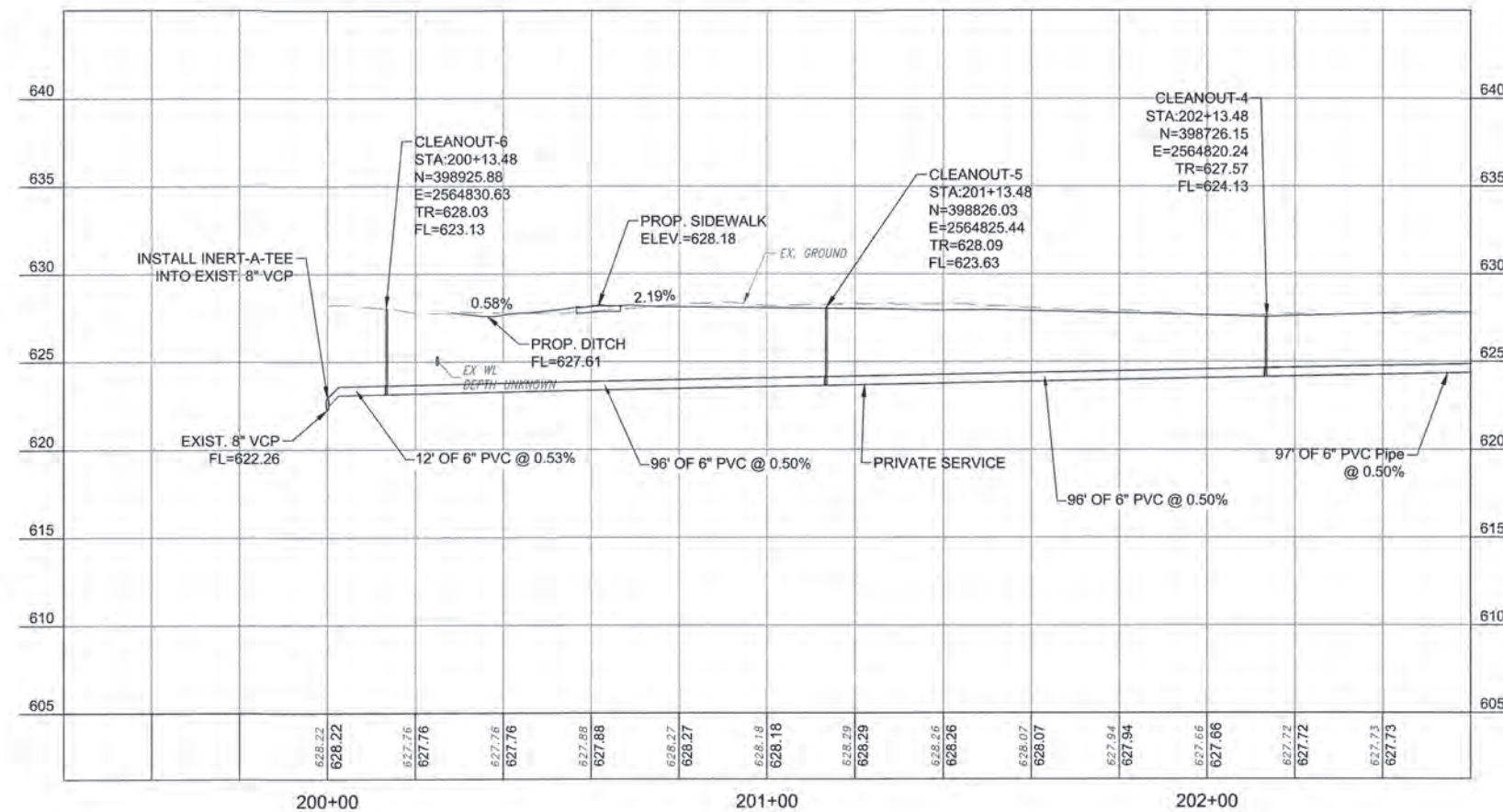
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E=2565106.78
FL=628.41



PROJECT # SP 21-6			
FRED JOHNSON PARK REHABILITATION			
CITY OF TULSA, OKLAHOMA DEPARTMENT OF CITY EXPERIENCE			
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23rd TULSA, OK 74107 918-584-6464			
REVISION	BY	DATE	
DRAWN	BKL	NOVEMBER 2025	
DESIGNED	BKL	NOVEMBER 2025	
SURVEY	FLS	APR 2024	
PROJ. MGR.	SL	3/20	
LEAD ENGR.	DA	3/26	
FIELD MGR.	FLW	3/26	
DITCH PLAN & PROFILE (04)			SHEET 70 OF 119

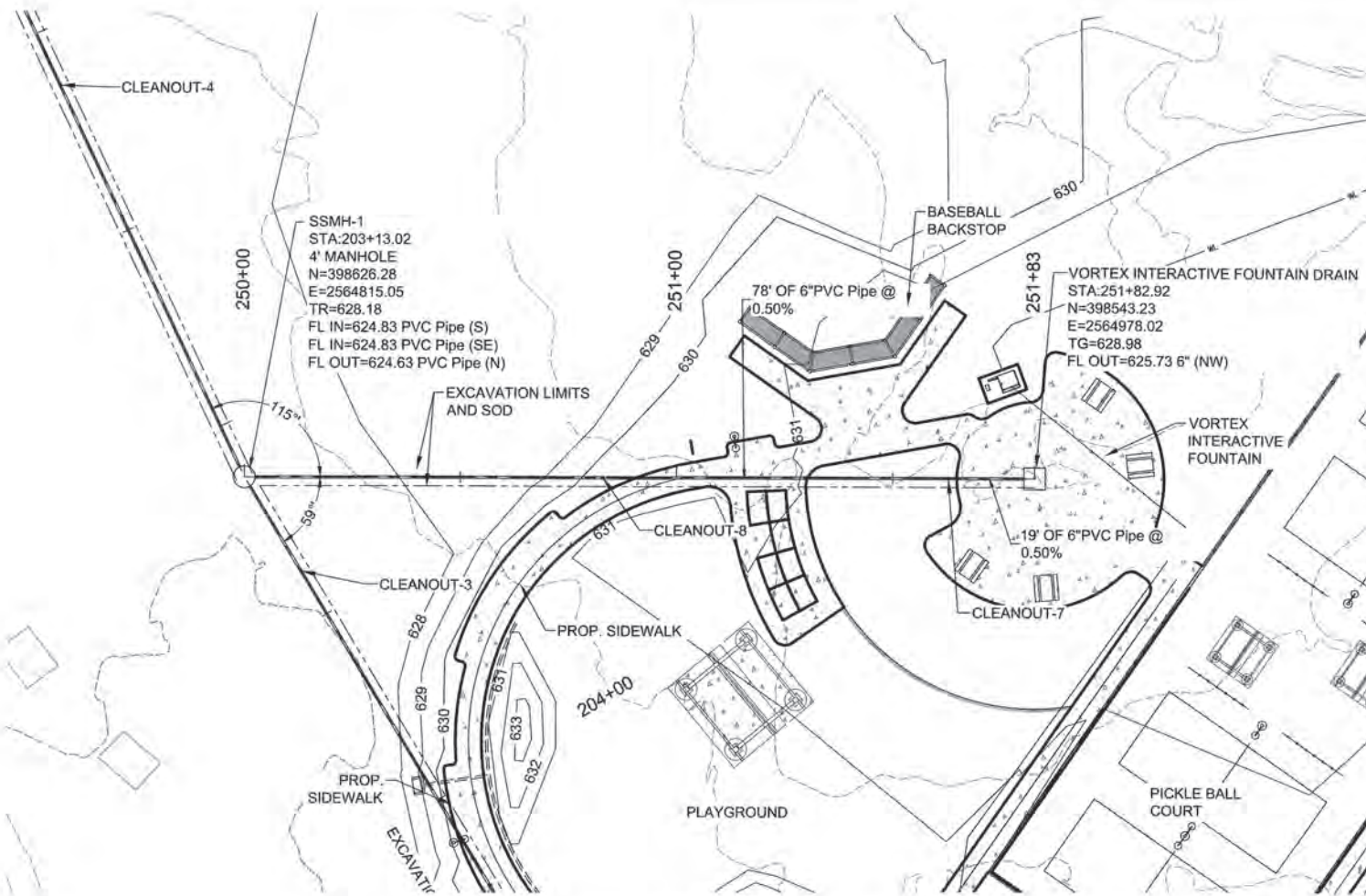


- LEGEND**
- PROPOSED SIDEWALK/
PROPOSED CONCRETE
PAVEMENT
 - GRADING LIMITS
 - PROPOSED FENCE
 - PROPOSED LIGHT
 - TEMPORARY SILT FENCE
 - TEMPORARY SILT DIKE
 - EXIST. CONTOURS
 - PROP. CONTOURS
 - PROP. DITCH



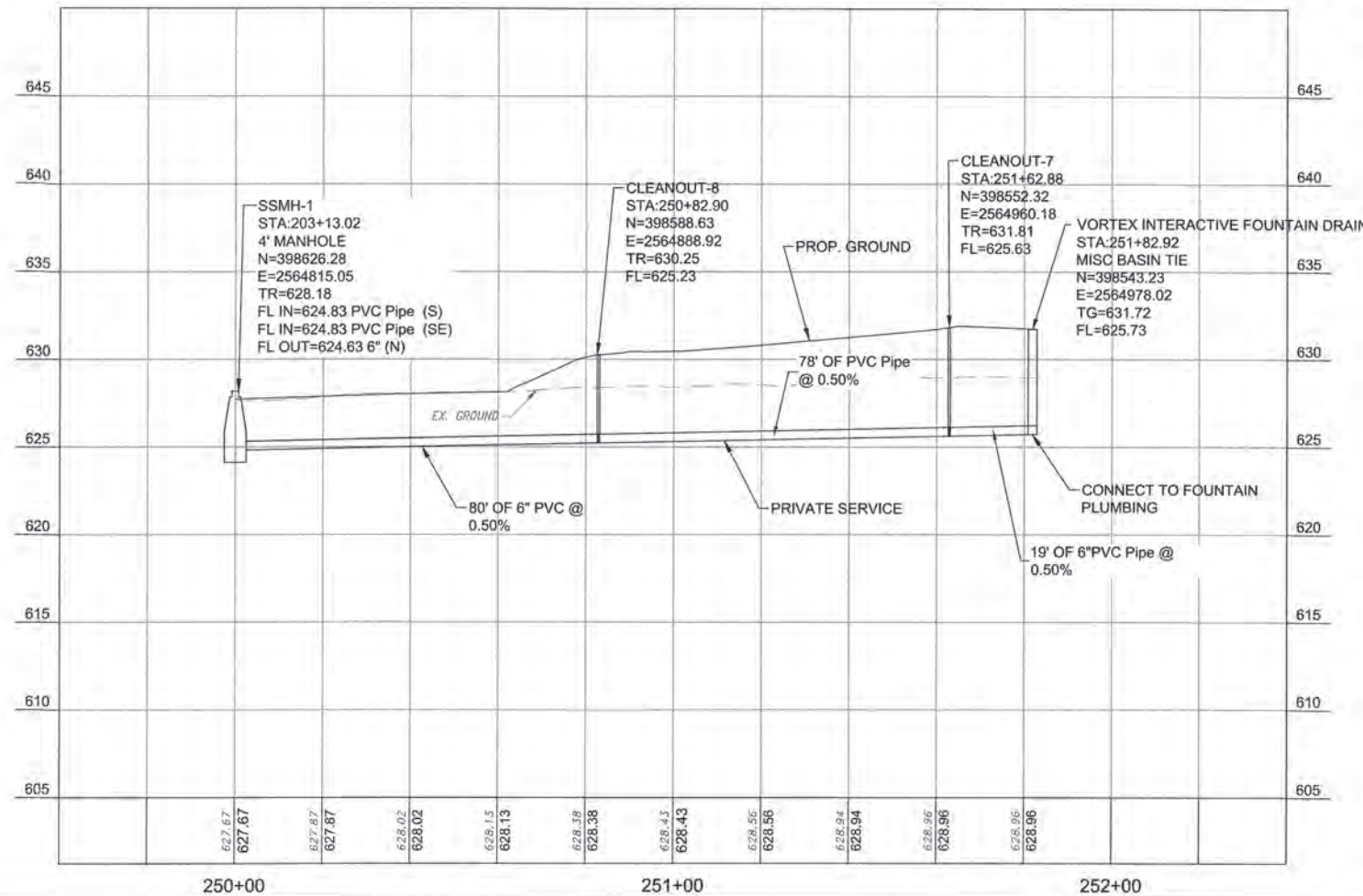
PROJECT # SP 21-6	
FRED JOHNSON PARK REHABILITATION	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF CITY EXPERIENCE	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23RD TULSA, OK 74107 918-584-6164	
DATE: 02/26/2024	
REVISION	BY DATE
DRAWN	BKL NOVEMBER 2023
DESIGNED	BKL NOVEMBER 2023
SURVEY	FLS APR 2024
PROJ. MNGR	SL 3/26
LEAD ENGR.	SL 3/26
FIELD MNGR.	SL 3/26
SANITARY PLAN & PROFILE (01)	
SHEET 71 OF 119	

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LEGEND

- PROPOSED SIDEWALK/
PROPOSED CONCRETE
PAVEMENT
- GRADING LIMITS
- PROPOSED FENCE
- PROPOSED LIGHT
- TEMPORARY SILT FENCE
- TEMPORARY SILT DIKE
- EXIST. CONTOURS
- PROP. CONTOURS
- PROP. DITCH



02/26/2026

PROJECT # SP 21-6
**FRED JOHNSON PARK
REHABILITATION**
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF CITY EXPERIENCE

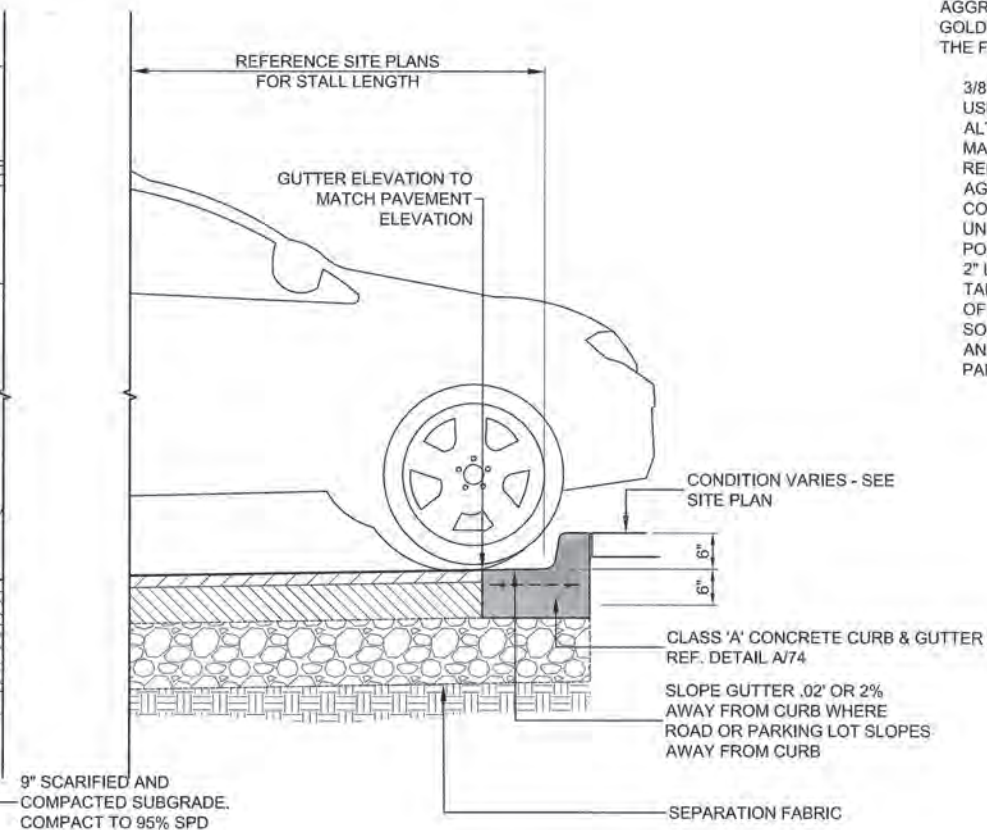
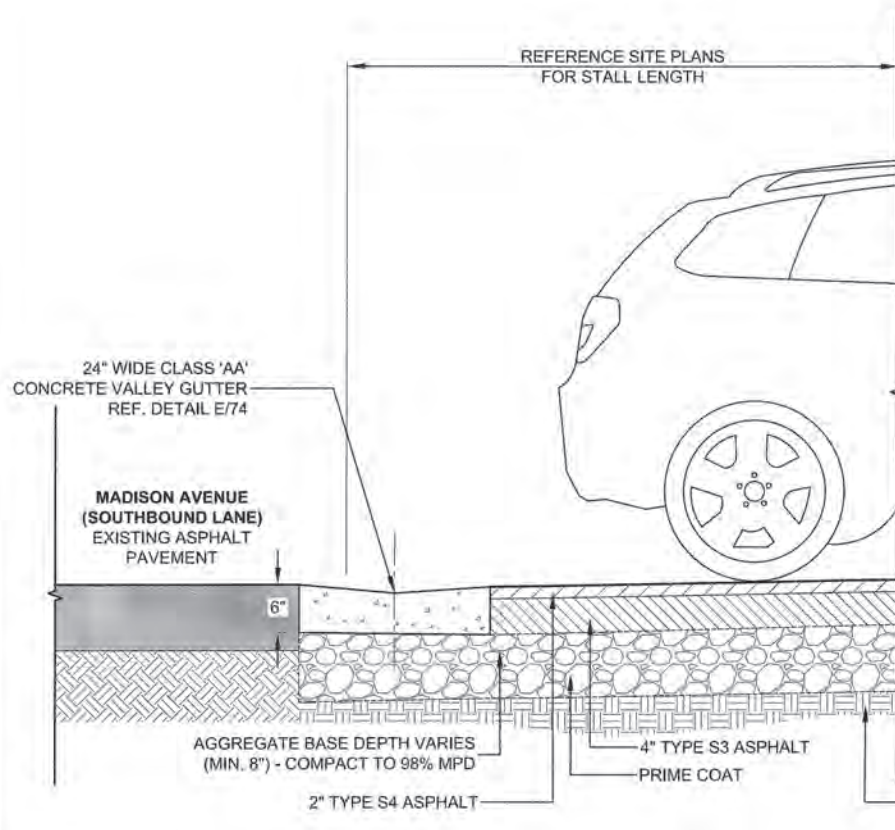
PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23rd TULSA, OK 74107 918-561-5454

REVISION	BY	DATE	DRAWN	CHK.	DATE

DESIGNED	BKL	NOVEMBER 2025
SURVEY	FLS	APR 2024
PROJ. MGR.	SL	3/24
LEAD ENGR.	FW	3/26
FIELD MGR.	FW	3/26

SANITARY PLAN &
PROFILE (03)

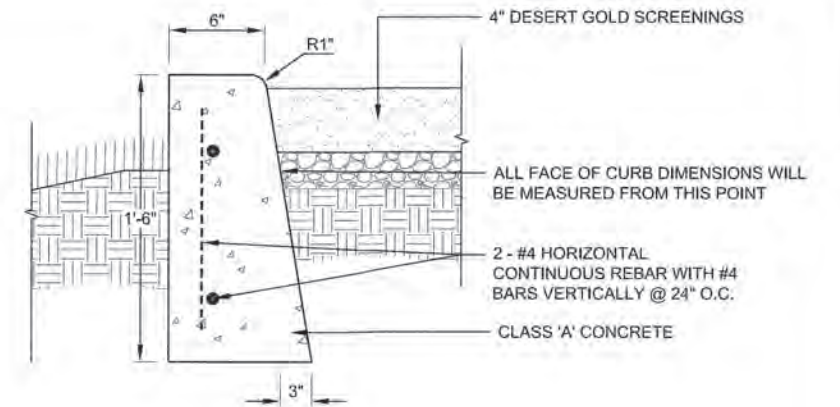
SHEET
73 OF 119



NOTE:

AGGREGATE BASE UNDER THE SCREENINGS WILL BE COVERED UNDER 303(A) AGGREGATE BASE TYPE A. SCREENINGS SHALL BE DESERT GOLD AND SLATE FROM MINICK MATERIALS (OR APPROVED EQUAL) AND SHALL BE PER GRADATION BASED ON AASHTO T11-82 AND T27-82 WITH THE FOLLOWING GRADING REQUIREMENTS:

3/8"-100% PASSING; NO.4 - 95-100%; NO.8 - 75-80%; NO.16 - 55-65%; NO.30 - 40-50%; NO.50 - 25-35%; NO.100 - 20-25%; NO.200 - 5-15% PASSING. USE A SOLIDIFYING EMULSION OF WATER-BASED POLYMER OR POWDER BASED PRODUCT. THE BINDER / SOLIDIFYING EMULSION MUST NOT ALTER THE COLOR. RECOMMENDED PRODUCT WOULD BE "STABILIZER" BY STABILIZER SOLUTIONS (OR APPROVED EQUAL). FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION. CONSTRUCT A TEST PANEL OF 3'X3' SIZE FOR APPROVAL PRIOR TO PLACING THE REMAINING SCREENINGS ON SITE. EXCAVATE AREA TO BE INSTALLED WITH SLATE SCREENINGS TO THE DEPTH TO ACCEPT THE 4" OF AGGREGATE BASE AND 4" OF SCREENINGS. COMPACT THE SUBGRADE TO A DEPTH OF 6" AT 95% SPD. INSTALL 4" OF AGGREGATE BASE AND COMPACT TO 98% MPD. DO NOT INSTALL SCREENINGS DURING RAINY CONDITIONS. MIX SOLIDIFYING EMULSION THOROUGHLY AND UNIFORMLY THROUGHOUT THE SCREENINGS PER THE MANUFACTURER'S RECOMMENDATIONS. MIX THE MATERIAL IN THE FIELD USING PORTABLE MIXING EQUIPMENT, OR DELIVERED IN MIXER TRUCKS FROM A LOCAL READY-MIXED PLANT. PLACE SCREENINGS UNIFORMLY IN 2" LAYERS. COMPACT EACH LAYER OF SCREENINGS TO A RELATIVE COMPACTION OF NOT LESS THAN 90% WITH A ROLLER AND NOT A TAMPER. COMPACTION MUST NOT BEGIN LESS THAN 6 HOURS AFTER PLACEMENT, OR MORE THAN 48 HOURS. APPLY A FINAL APPLICATION OF BINDER / SOLIDIFYING EMULSION AS RECOMMENDED BY THE MANUFACTURER. PREVENT RUNOFF OR OVERSPRAY OF BINDER / SOLIDIFYING EMULSION ONTO ADJACENT PAVED OR PLANTING AREAS. WHEN COMPLETE, THE SURFACE MUST BE SMOOTH, COMPACTED, AND UNIFORM. CLEAN ALL ADJACENT PAVED AREAS OF DEBRIS LEFT BEHIND FROM INSTALLATION. SCREENINGS PAY ITEM INSIDE DOG PARK - DO NOT USE A BINDER



A TYPICAL SECTION - ASPHALT PAVEMENT (ON-STREET PARKING)

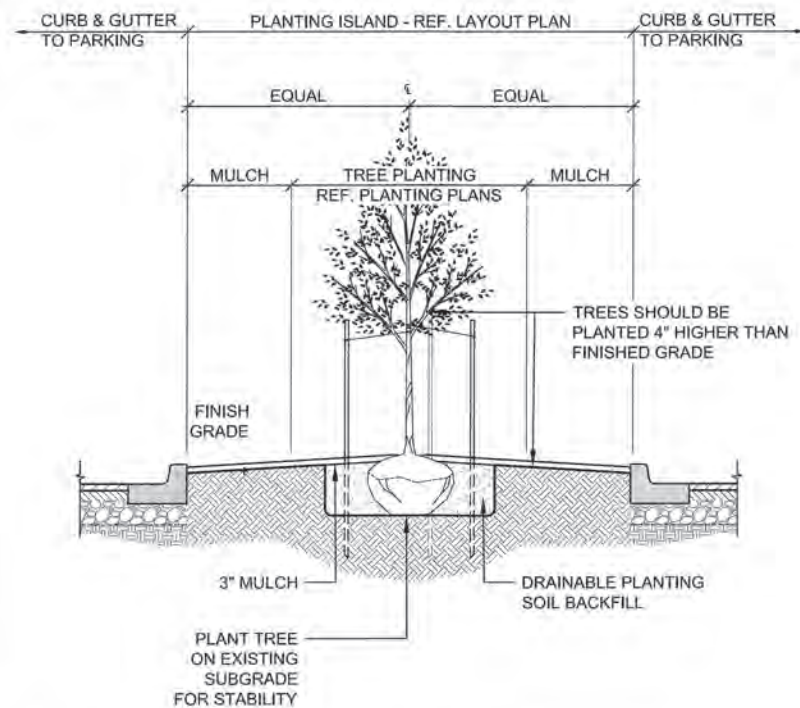
75

NOT TO SCALE

B SECTION - HEADER CURB

75

NOT TO SCALE



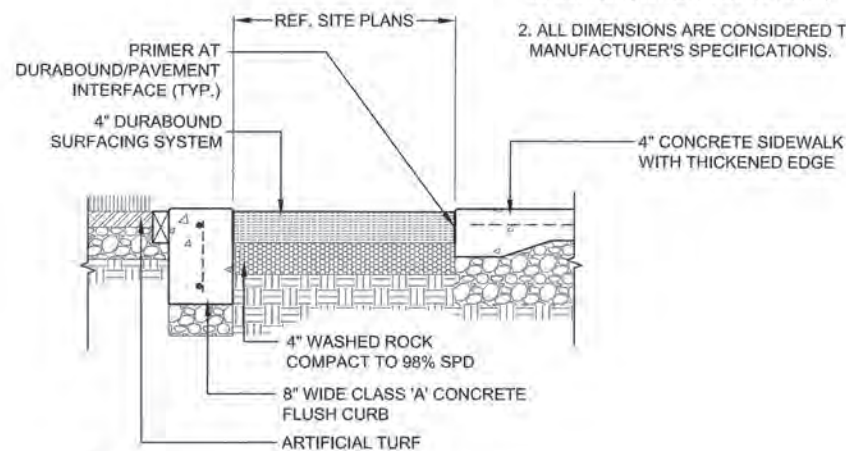
C PLANTING BED AT PARKING ISLAND

75

NOT TO SCALE

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. ALL DIMENSIONS ARE CONSIDERED TRUE AND REFLECT MANUFACTURER'S SPECIFICATIONS.



D DURABOUND SURFACING SYSTEM (PLAYGROUND TO FOUNTAIN TRANSITION)

75

NOT TO SCALE

NOTES:

1. VERTICAL CHANGES AT PAVED SURFACES SHALL NOT EXCEED 1/4" UNLESS NOTED OTHERWISE.

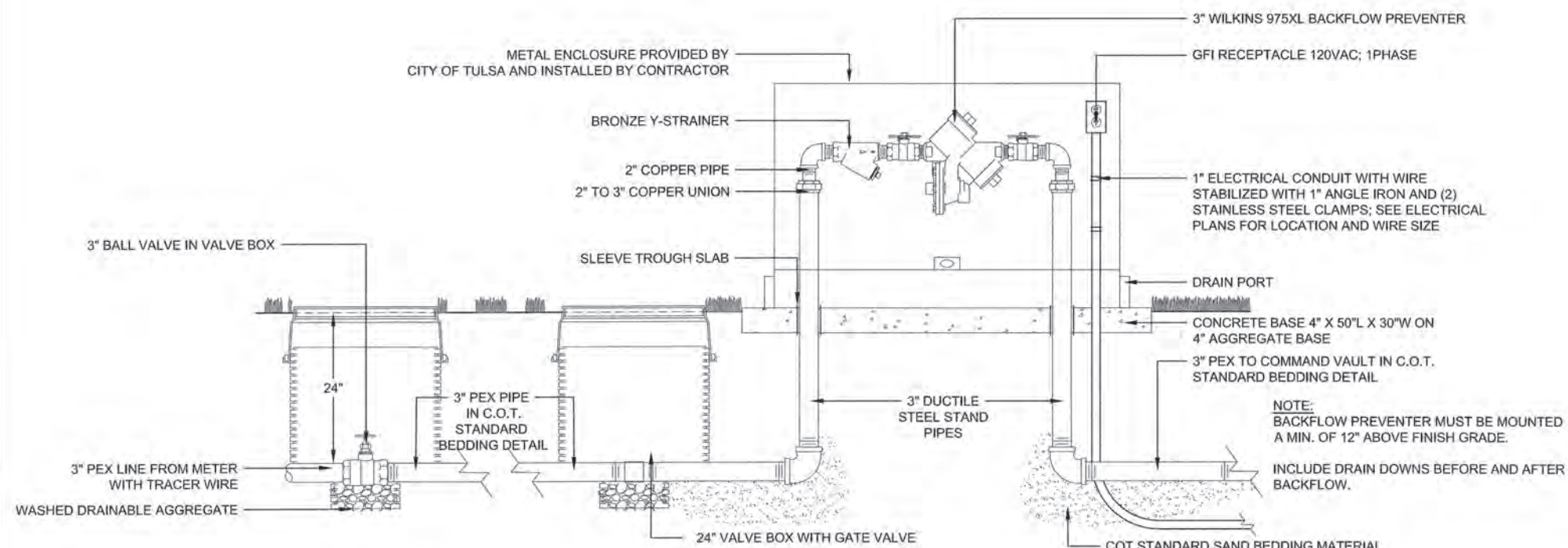
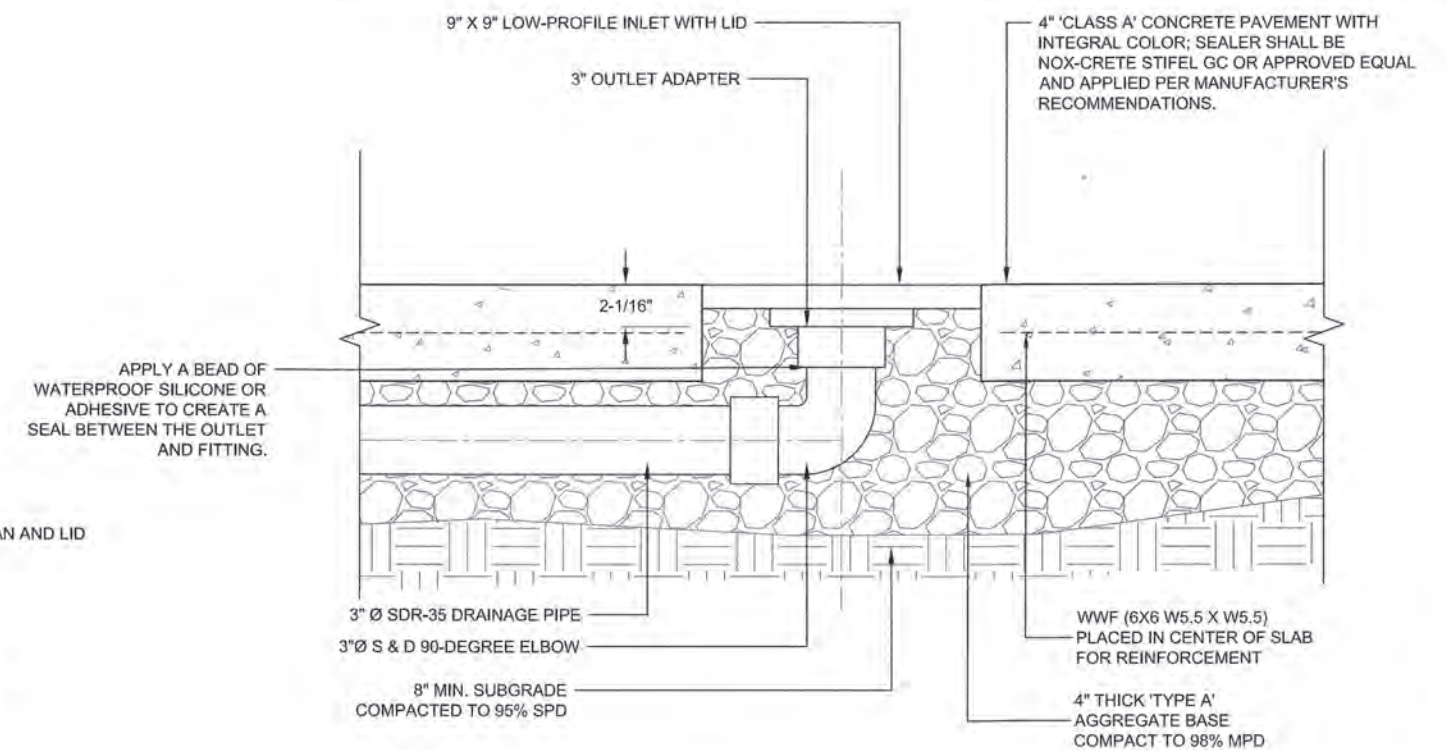
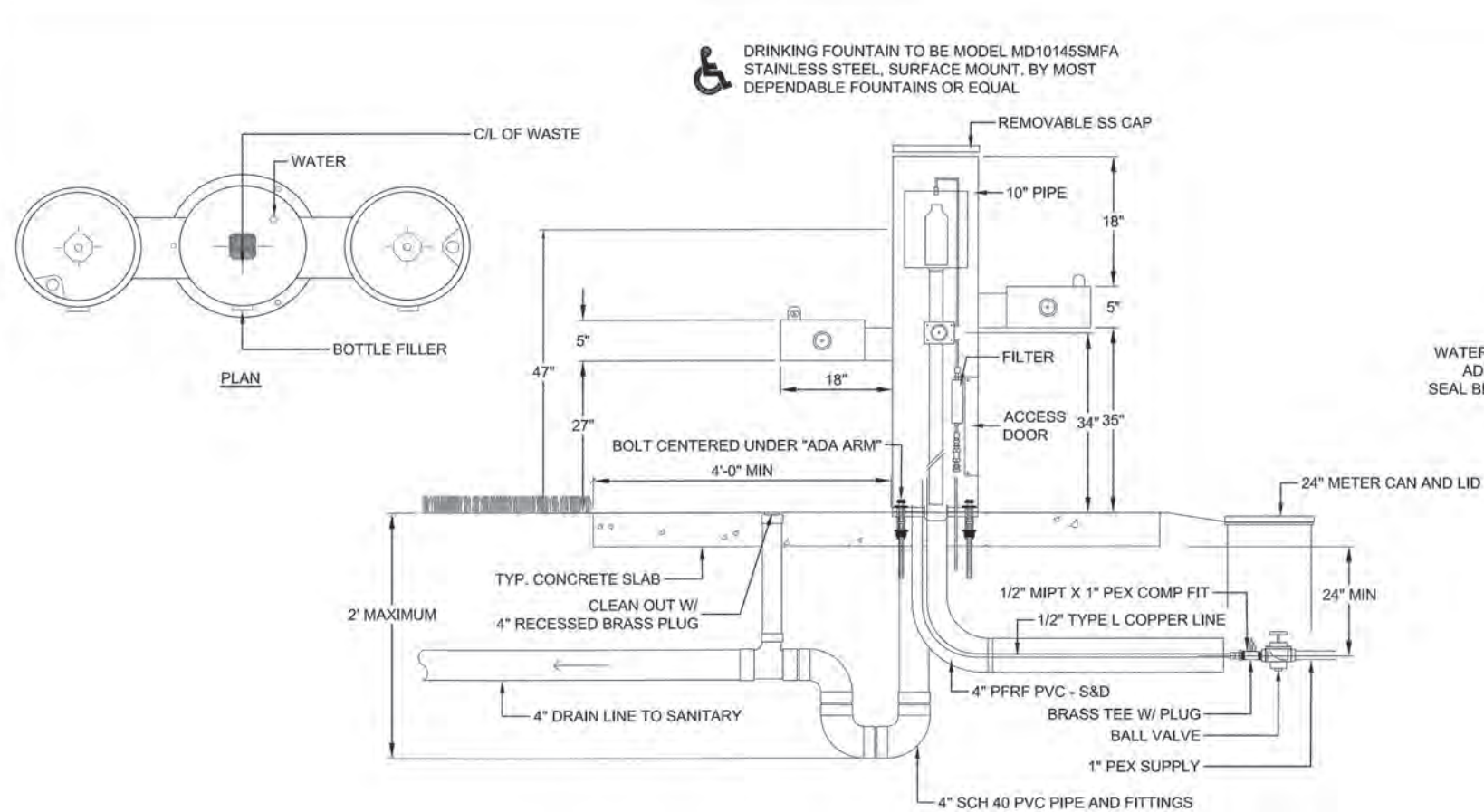


REVISION				BY	DATE

DESIGNED	LPCI	JUL 2024
SURVEY	PLR	APR 2024
PROJ. MGR.	SL	12/10/25
LEAD ENGR.	PL	12/23
FIELD MGR.	PL	1/25

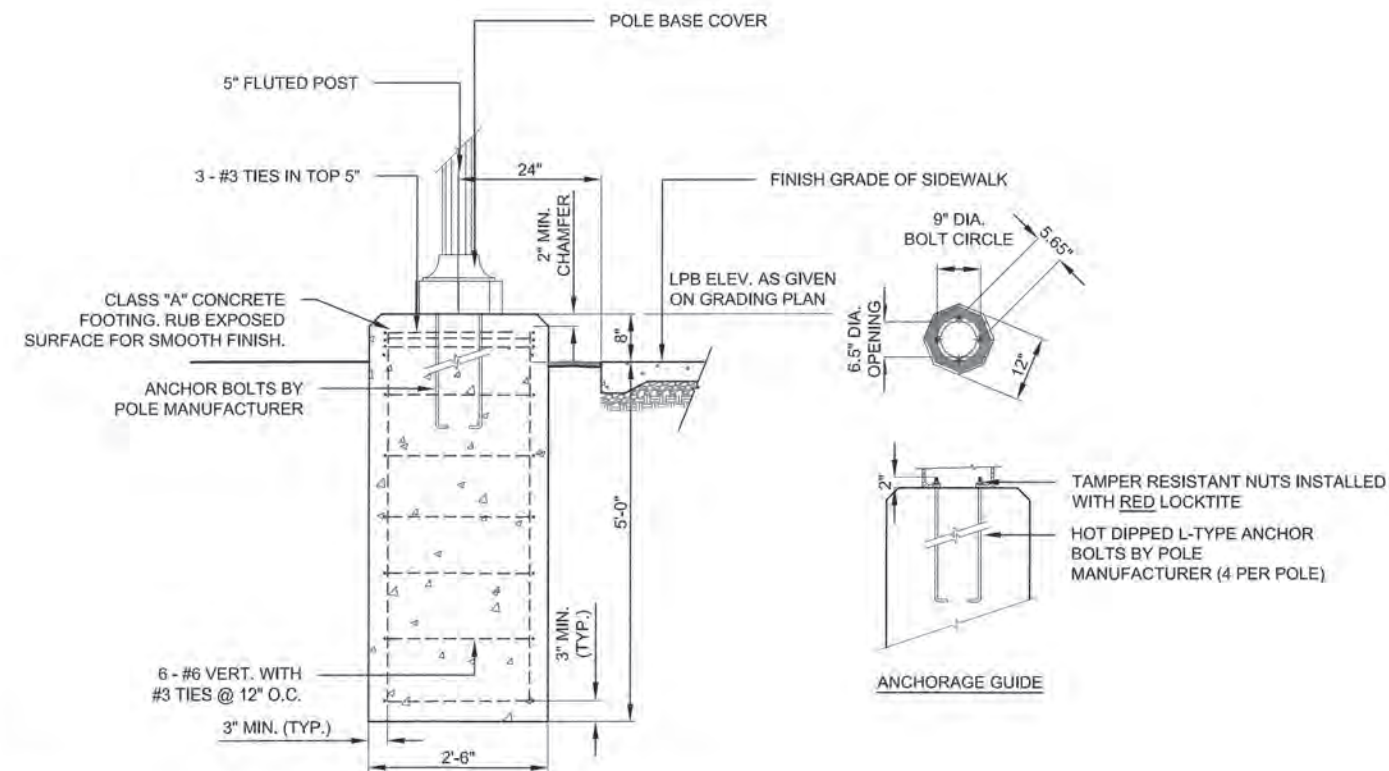
CONSTRUCTION DETAILS (2)	SHEET 75 OF 119
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PROJECT # SP 21-6	
FRED JOHNSON PARK	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF PARKS, CULTURE, & RECREATION	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1111 WEST 23rd TULSA, OK 74107 918-584-6604	



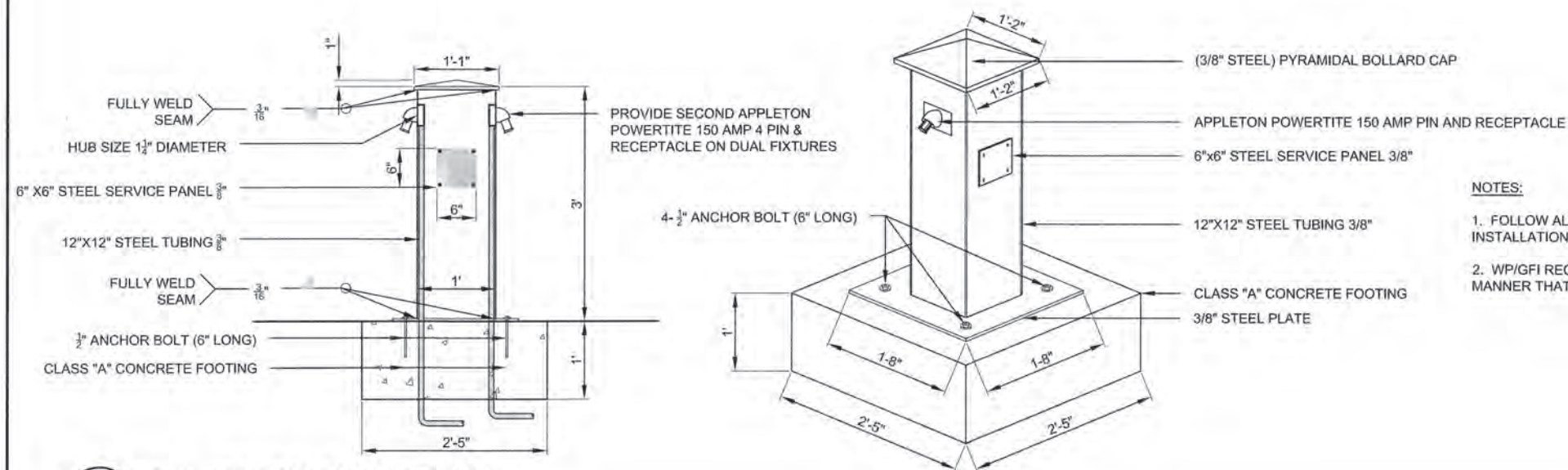
PROJECT # SP 21-6	
FRED JOHNSON PARK	
CITY OF TULSA, OKLAHOMA	
DEPARTMENT OF PARKS, CULTURE, & RECREATION	
PLANS AND ESTIMATES PREPARED BY:	
LANDPLAN CONSULTANTS	
1110 WEST 23rd	918-584-6464
TULSA, OK 74107	
DATE	
DRAWN	LPCI MAY 2025
DESIGNED	LPCI JUL 2024
SURVEY	FLS APR 2024
PROJ. MGR.	SL 12/10/25
LEAD ENGR.	SL 12/25
FIELD MGR.	SL 1/16
CONSTRUCTION DETAILS (3)	SHEET 76 OF 119

1. ALL ELECTRICAL ITEMS TO MEET STATE AND LOCAL ELECTRICAL CODES AND AEP/PSO REQUIREMENTS.
2. INCLUDE TOUCH-UP PAINT FOR CABINET FOR POSSIBLE DAMAGE RESULTING FROM INSTALLATION.
3. ALL BELOW-GRADE CONDUIT TO BE SCHEDULE 40 PVC IN-GROUND. ALL ABOVE-GRADE CONDUIT TO BE GALVANIZED STEEL CONDUIT.
4. ALL CONDUCTOR TO BE THHN/THWN, COPPER, 600 VOLT, UL LISTED.
5. ALL PULL BOXES TO BE 13" X 24" X 12" DEEP QUAZITE (OR APPROVED EQUAL) POLYMER CONCRETE, TIER 15 WITH POLYMER BOLT DOWN LID MARKED WITH ELECTRICAL.
6. REFER TO ODOT DETAIL SHEET CCD1-1 FOR ELECTRICAL TRENCHING.



77

NOT TO SCALE



77

NOT TO SCALE

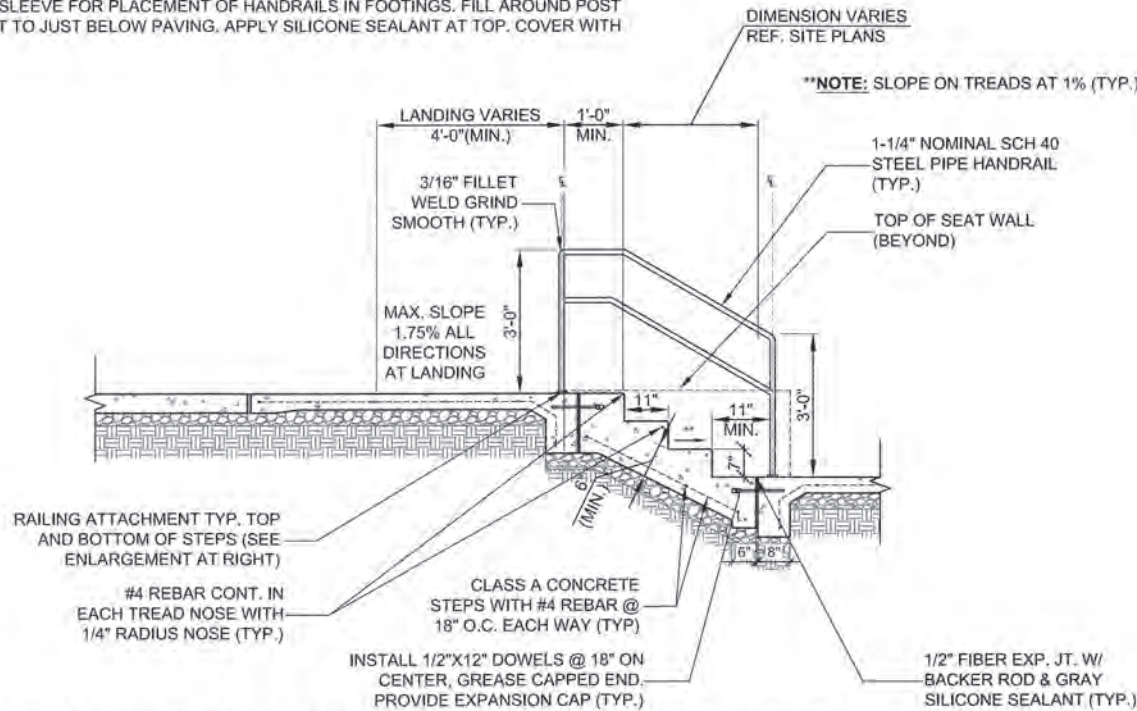
1. FOLLOW ALL MANUFACTURERS RECOMMENDED INSTALLATION METHODS AND GUIDELINES
2. WP/GFI RECEPTACLE SHALL BE INSTALLED IN A MANNER THAT IS TAMPER RESISTANT



PROJECT # SP 21-6	
FRED JOHNSON PARK	
CITY OF TULSA, OKLAHOMA	
DEPARTMENT OF PARKS, CULTURE, & RECREATION	
PLANS AND ESTIMATES PREPARED BY:	
LANDPLAN CONSULTANTS	
1110 WEST 23rd	TULSA, OK 74107
	918-584-6044
DATE	
DRAWN	LPCI MAY 2025
DESIGNED	LPCI JUL 2024
SURVEY	FLS APR 2024
PROJ. MGR.	SD 12/10/25
LEAD ENGR.	EW 12/25
FIELD MGR.	JD 1/16
CONSTRUCTION DETAILS (4)	
SHEET	
77 OF 119	

CONCRETE FINISH & HANDRAIL NOTES:

1. ALL HANDRAILS SHALL BE STEEL SCHEDULE 40- 1 1/4" NOMINAL PIPE TO MEET CURRENT ADA REQUIREMENTS.
2. HANDRAILS SHALL BE PRIMED WITH A ZINC RICH PRIMER & FINISHED WITH A TGIC POLYESTER POWDER COAT 2.5-3.0 MLS. THICK. SURFACE SHALL BE FREE OF OIL, RUST, ETC. PRIOR TO PAINTING.
3. WELD ALL JOINTS. GRIND SMOOTH & POWDERCOAT FINISH.
4. ALL HANDRAIL DIMENSIONS SHALL BE FIELD VERIFIED BEFORE FABRICATION ONCE STEPS ARE CONSTRUCTED. PROVIDE SHOP DRAWINGS OF HANDRAILS A MINIMUM OF TWO WEEKS PRIOR TO ESTIMATED FABRICATION FOR APPROVAL BY ENGINEER. CONTRACTOR SHALL PROVIDE TEMPORARY RAILS TO PROVIDE FOR SAFE USE UNTIL FINAL RAILS ARE INSTALLED. THIS SHALL BE AN INCIDENTAL COST INCLUDED IN THE COST OF THE CONCRETE STEP INSTALLATION.
5. CONCRETE FINISH ON LANDINGS & STAIRS SHALL BE MEDIUM BROOM-PERPENDICULAR TO DIRECTION OF PEDESTRIAN TRAVEL.
6. VERTICAL CONCRETE SURFACES SHALL BE SMOOTH RUBBED FINISHED WITH A STONE SO THAT INCONSISTENCIES IN FINISH ARE NOT APPARENT. CONTRACTOR SHALL USE SMALL VIBRATORS TO COMPACT CONCRETE SO THERE IS NO HONEYCOMBING. STAIR NOSING SHALL BE NO GREATER THAN 1/2" RADIUS.
7. PROVIDE MIN. 1% SLOPE & 2% MAX. SLOPE TOWARD STREET ON ALL STEPS.
8. PROVIDE 4" ROUND ESCUTCHEON PLATES WITH STAINLESS SCREWS AT ALL RAILING POSTS. POWDER COAT TO MATCH RAILINGS.
9. PROVIDE 3" GALVANIZED SLEEVE FOR PLACEMENT OF HANDRAILS IN FOOTINGS. FILL AROUND POST WITH NON-SHRINK GROUT TO JUST BELOW PAVING. APPLY SILICONE SEALANT AT TOP. COVER WITH ESCUTCHEON PLATE.



A SECTION THROUGH HANDRAILS AND CONCRETE STEPS AT BASKETBALL PLAZA

NOTES:

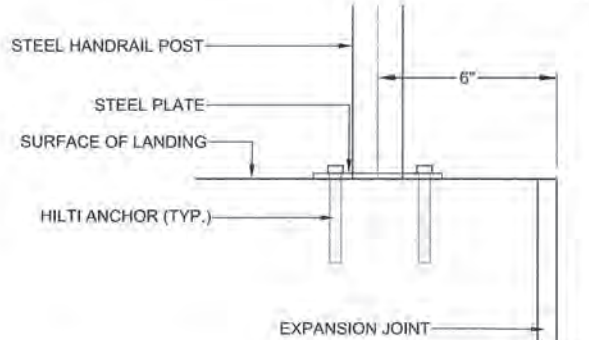
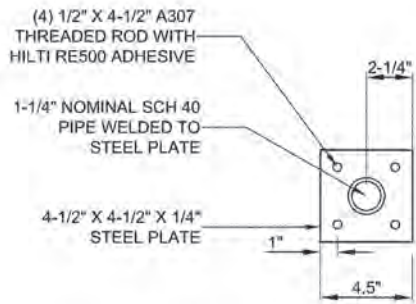
1. VERTICAL CHANGES SHALL NOT EXCEED 1/4" UNLESS NOTED OTHERWISE.
2. AGGREGATE BASE TO BE ELIMINATED FOR 3'-0" RADIUS AROUND TREE TRUNKS.

** HAND TAMP SCREENINGS AROUND BASES OF TREES UNTIL STABLE AND SMOOTH.

LABOR AND MATERIALS TO INSTALL SCREENINGS INCLUDING BUT NOT LIMITED TO DESERT GOLD AND SLATE SCREENINGS. SOLIDIFYING EMULSION AND COMPACTION. AGGREGATE BASE UNDER THE SCREENINGS WILL BE COVERED UNDER 303(A) AGGREGATE BASE TYPE A. SCREENINGS SHALL BE DESERT GOLD AND SLATE FROM MINICK MATERIALS (OR APPROVED EQUAL) AND SHALL BE PER GRADATION BASED ON AASHTO T11-82 AND T27-82 WITH THE FOLLOWING GRADING REQUIREMENTS:

3/8"-100% PASSING
NO.4 - 95-100%
NO.8 - 75-80%
NO.16 - 55-65%
NO.30 - 40-50%
NO.50 - 25-35%
NO.100 - 20-25%
NO.200 - 5-15% PASSING

USE A SOLIDIFYING EMULSION OF WATER-BASED POLYMER OR POWDER BASED PRODUCT. THE BINDER / SOLIDIFYING EMULSION MUST NOT ALTER THE COLOR. RECOMMENDED PRODUCT WOULD BE "STABILIZER" BY STABILIZER SOLUTIONS (OR APPROVED EQUAL). FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION. CONSTRUCT A TEST PANEL OF 3'X3' SIZE FOR APPROVAL PRIOR TO PLACING THE REMAINING SCREENINGS ON SITE. EXCAVATE AREA TO BE INSTALLED WITH SLATE SCREENINGS TO THE DEPTH TO ACCEPT THE 4" OF AGGREGATE BASE AND 4" OF SCREENINGS. COMPACT THE SUBGRADE TO A DEPTH OF 6" AT 95% SPD. INSTALL 4" OF AGGREGATE BASE AND COMPACT TO 98% MPD. DO NOT INSTALL SCREENINGS DURING RAINY CONDITIONS. MIX SOLIDIFYING EMULSION THOROUGHLY AND UNIFORMLY THROUGHOUT THE SCREENINGS PER THE MANUFACTURER'S RECOMMENDATIONS. MIX THE MATERIAL IN THE FIELD USING PORTABLE MIXING EQUIPMENT, OR DELIVERED IN MIXER TRUCKS FROM A LOCAL READY-MIXED PLANT. PLACE SCREENINGS UNIFORMLY IN 2" LAYERS. COMPACT EACH LAYER OF SCREENINGS TO A RELATIVE COMPACTION OF NOT LESS THAN 90% WITH A ROLLER AND NOT A TAMPER. COMPACTION MUST NOT BEGIN LESS THAN 6 HOURS AFTER PLACEMENT, OR MORE THAN 48 HOURS. APPLY A FINAL APPLICATION OF BINDER / SOLIDIFYING EMULSION AS RECOMMENDED BY THE MANUFACTURER. PREVENT RUNOFF OR OVERSPRAY OF BINDER / SOLIDIFYING EMULSION ONTO ADJACENT PAVED OR PLANTING AREAS. WHEN COMPLETE, THE SURFACE MUST BE SMOOTH, COMPACTED, AND UNIFORM. CLEAN ALL ADJACENT PAVED AREAS OF DEBRIS LEFT BEHIND FROM INSTALLATION. DO NOT USE A BINDER INSIDE THE DOG PARK.



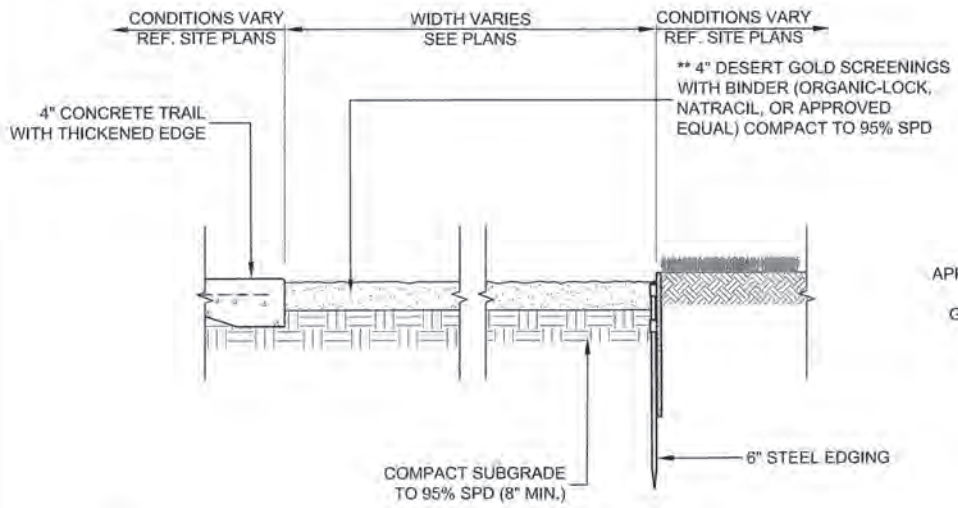
HANDRAIL CONNECTION PLATE ENLARGEMENT

NOTE:

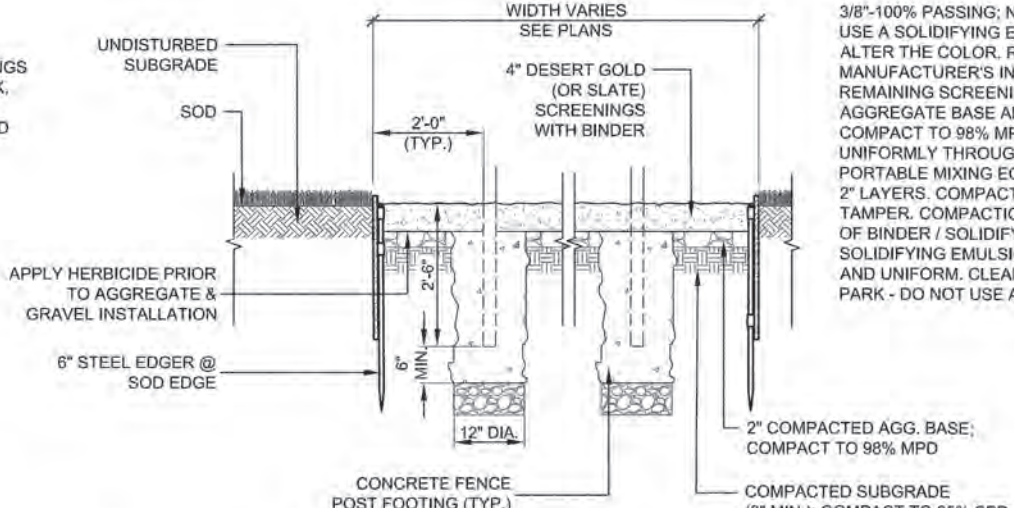
NOT TO SCALE

AGGREGATE BASE UNDER THE SCREENINGS WILL BE COVERED UNDER 303(A) AGGREGATE BASE TYPE A. SCREENINGS SHALL BE DESERT GOLD AND SLATE FROM MINICK MATERIALS (OR APPROVED EQUAL) AND SHALL BE PER GRADATION BASED ON AASHTO T11-82 AND T27-82 WITH THE FOLLOWING GRADING REQUIREMENTS:

3/8"-100% PASSING; NO.4 - 95-100%; NO.8 - 75-80%; NO.16 - 55-65%; NO.30 - 40-50%; NO.50 - 25-35%; NO.100 - 20-25%; NO.200 - 5-15% PASSING. USE A SOLIDIFYING EMULSION OF WATER-BASED POLYMER OR POWDER BASED PRODUCT. THE BINDER / SOLIDIFYING EMULSION MUST NOT ALTER THE COLOR. RECOMMENDED PRODUCT WOULD BE "STABILIZER" BY STABILIZER SOLUTIONS (OR APPROVED EQUAL). FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION. CONSTRUCT A TEST PANEL OF 3'X3' SIZE FOR APPROVAL PRIOR TO PLACING THE REMAINING SCREENINGS ON SITE. EXCAVATE AREA TO BE INSTALLED WITH SLATE SCREENINGS TO THE DEPTH TO ACCEPT THE 4" OF AGGREGATE BASE AND 4" OF SCREENINGS. COMPACT THE SUBGRADE TO A DEPTH OF 6" AT 95% SPD. INSTALL 4" OF AGGREGATE BASE AND COMPACT TO 98% MPD. DO NOT INSTALL SCREENINGS DURING RAINY CONDITIONS. MIX SOLIDIFYING EMULSION THOROUGHLY AND UNIFORMLY THROUGHOUT THE SCREENINGS PER THE MANUFACTURER'S RECOMMENDATIONS. MIX THE MATERIAL IN THE FIELD USING PORTABLE MIXING EQUIPMENT, OR DELIVERED IN MIXER TRUCKS FROM A LOCAL READY-MIXED PLANT. PLACE SCREENINGS UNIFORMLY IN 2" LAYERS. COMPACT EACH LAYER OF SCREENINGS TO A RELATIVE COMPACTION OF NOT LESS THAN 90% WITH A ROLLER AND NOT A TAMPER. COMPACTION MUST NOT BEGIN LESS THAN 6 HOURS AFTER PLACEMENT, OR MORE THAN 48 HOURS. APPLY A FINAL APPLICATION OF BINDER / SOLIDIFYING EMULSION AS RECOMMENDED BY THE MANUFACTURER. PREVENT RUNOFF OR OVERSPRAY OF BINDER / SOLIDIFYING EMULSION ONTO ADJACENT PAVED OR PLANTING AREAS. WHEN COMPLETE, THE SURFACE MUST BE SMOOTH, COMPACTED, AND UNIFORM. CLEAN ALL ADJACENT PAVED AREAS OF DEBRIS LEFT BEHIND FROM INSTALLATION. SCREENINGS PAY ITEM INSIDE DOG PARK - DO NOT USE A BINDER



B 4" DESERT GOLD (OR SLATE) SCREENINGS (ENTRY PLAZA)

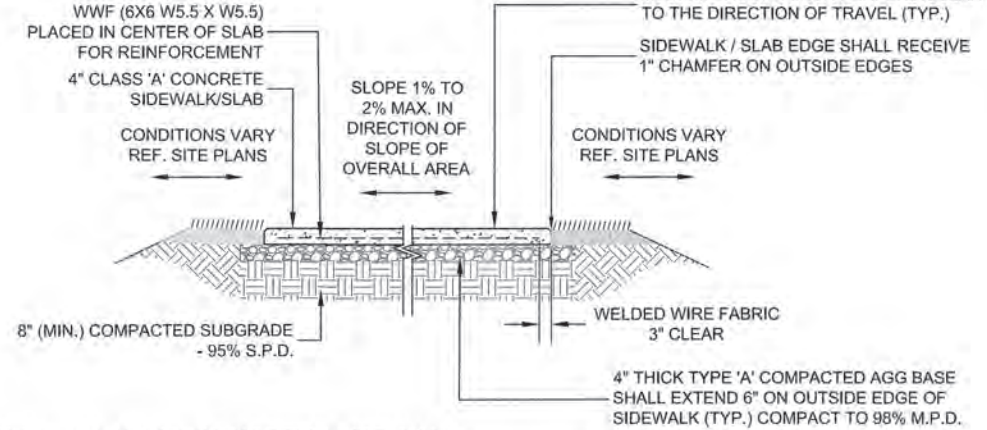


C 4" DESERT GOLD SCREENINGS (DOG PARK FENCE LINE)



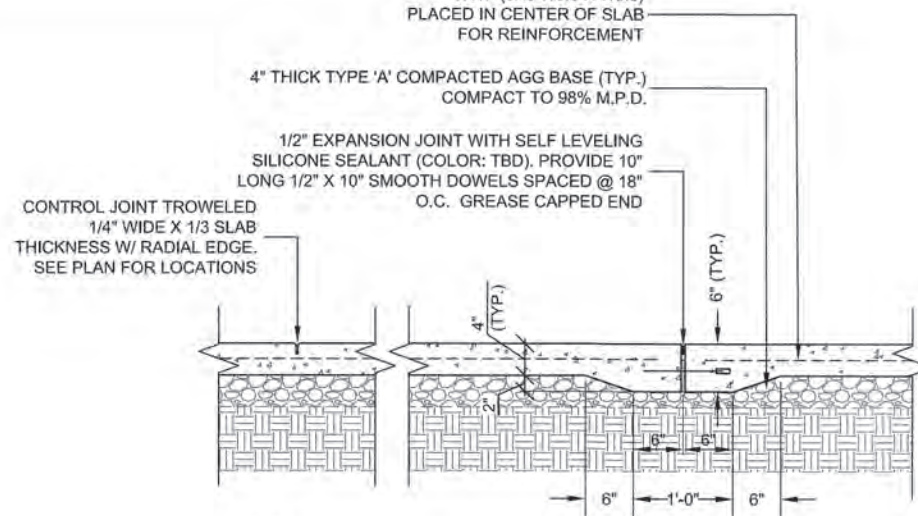
PROJECT # SP 21-6	
FRED JOHNSON PARK	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF PARKS, CULTURE, & RECREATION	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23RD TULSA, OK 74107 918-244-4664	
REVISION	BY DATE
DRAWN	LPJ MAY 2025
DESIGNED	LPJ JUL 2024
SURVEY	FLS APR 2024
PROD. MGR.	SL 12/10/25
LEAD ENGR.	SL 12/25
FIELD MGR.	SL 1/1/26
CONSTRUCTION DETAILS (5)	
SHEET 78 OF 119	

PERIMETER SIDEWALK AND DOG PARK
SIDEWALK DO NOT CONTAIN AGGREGATE
BASE OR REINFORCEMENT. SEE PLANS FOR
EXACT LOCATIONS.



A SECTION - CLASS 'A' CONCRETE SIDEWALK

NOT TO SCALE

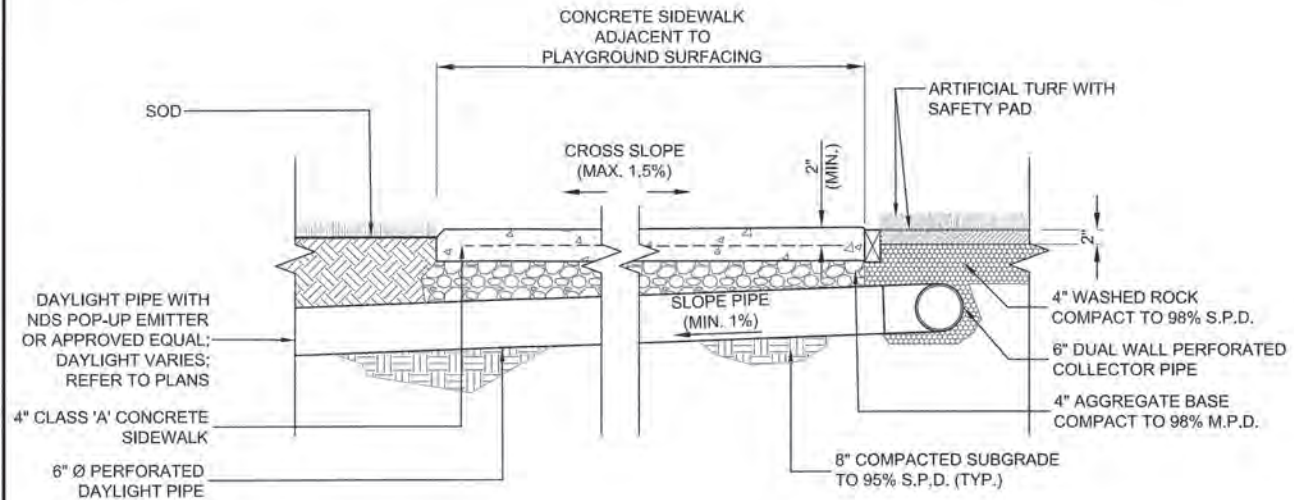


B SECTION - TYPICAL EXPANSION JOINT & CONTROL JOINT

NOT TO SCALE

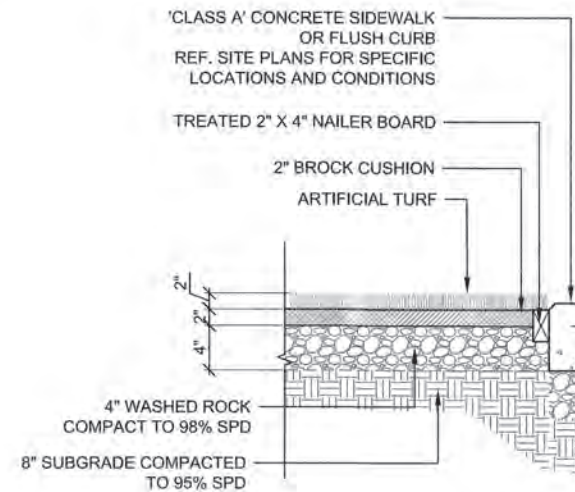
- ### TYPICAL CONCRETE SIDEWALK CONSTRUCTION NOTES

- 1) CONSTRUCT 1.5% MAX. CROSS SLOPE IN SAME DIRECTION AS GRADE UNLESS OTHERWISE DESIGNATED. MINIMUM CROSS SLOPE SHALL BE 1%.
- 2) LONGITUDINAL GRADE SHALL NOT EXCEED 5% UNLESS OTHERWISE DESIGNATED.
- 3) WHEN SETTING GRADES FOR SIDEWALK, CONTRACTOR SHALL FIELD VERIFY THAT PAVING ELEVATION WILL NOT TRAP WATER ON EITHER SIDE OF SIDEWALK OR TRAIL AND WILL ALLOW WATER TO FLOW FREELY TO DRAIN AWAY FROM AREA.
- 4) PROVIDE CONTROL JOINTS AND SEALED EXPANSION JOINTS AT A SPACING EQUAL TO THE WIDTH OF THE PAVEMENT. SEALED EXPANSION JOINTS SHALL BE CONSTRUCTED PER CITY OF TULSA STANDARDS. SMOOTH EXPANSION JOINT DOWELS SHALL BE 1/2" X 10" UNLESS OTHERWISE SHOWN IN PLANS. GREASE CAPPED END OF DOWEL AS SHOWN IN DETAILS. REFER TO DETAILS.
- 5) PROVIDE DOWELED EXPANSION JOINT AS SHOWN BETWEEN ALL EXISTING & PREVIOUSLY POURED CONCRETE AND NEWLY POURED CONCRETE. SLAB SHALL BE THICKENED TO 6" AT ALL EXPANSION JOINT DOWEL LOCATIONS. **THE ONLY EXCEPTION IS AT POST-TENSIONED SLAB. DO NOT DOWEL INTO POST-TENSIONED SLAB.**



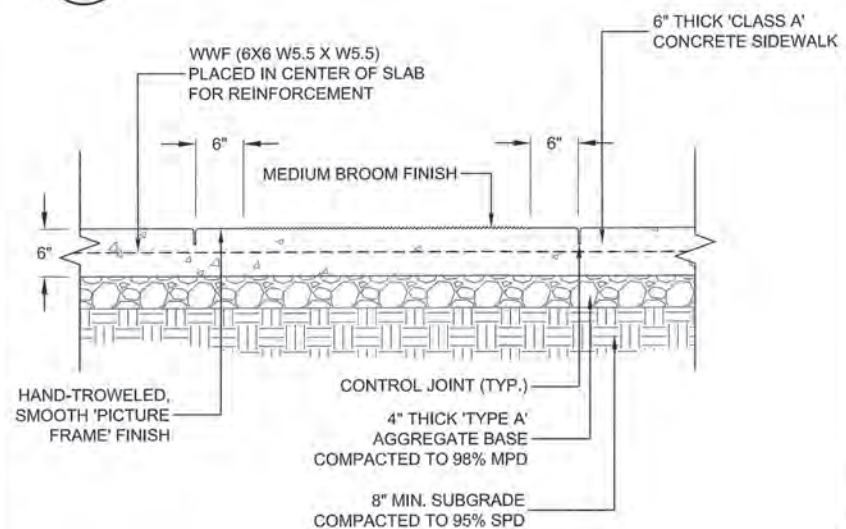
C) TYPICAL SECTION - PLAYGROUND UNDERDRAIN SYSTEM (DAYLIGHT)

NOT TO SCALE



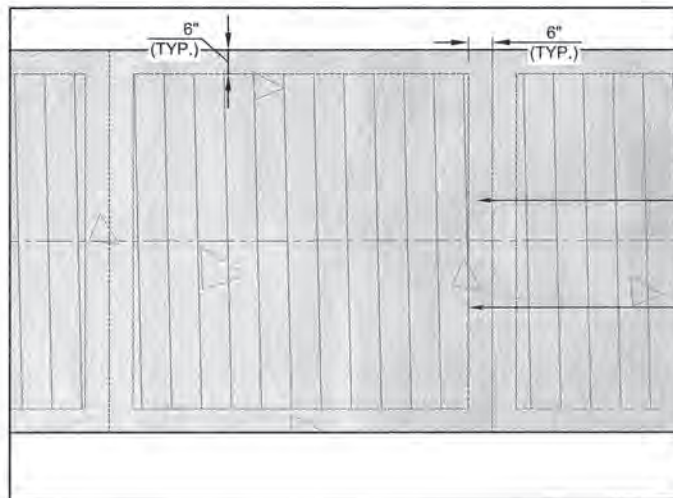
D SECTION - PLAYGROUND ARTIFICIAL TURF

NOT TO SCALE



6" SIDEWALK WITH 6" HAND-TROWELED 'PICTURE FRAME' BORDER

NOT TO SCALE



REF. SITE PLANS FOR
— DIMENSIONS OF
CONCRETE PANELS

— MEDIUM BROOM FINISH

NOTES:

1. VERTICAL CHANGES AT PAVED SURFACES SHALL NOT EXCEED 1/4" UNLESS NOTED OTHERWISE.

PROJECT # SP 21-6

FRED JOHNSON PARK

CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, & RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS

1110 WEST 2100	TULSA, OK 74107	915-534-6484	OFFICE	200
DRAWN	LPCI	MAY 2025		
DESIGNED	LPCI	JUL 2024		
SURVEY	FLS	APR 2004		
PROJ. MNGR.	SL	12/10/23		
LEAD ENGR.	DA	12/25		
FIELD MNGR.	Ken	1/1		

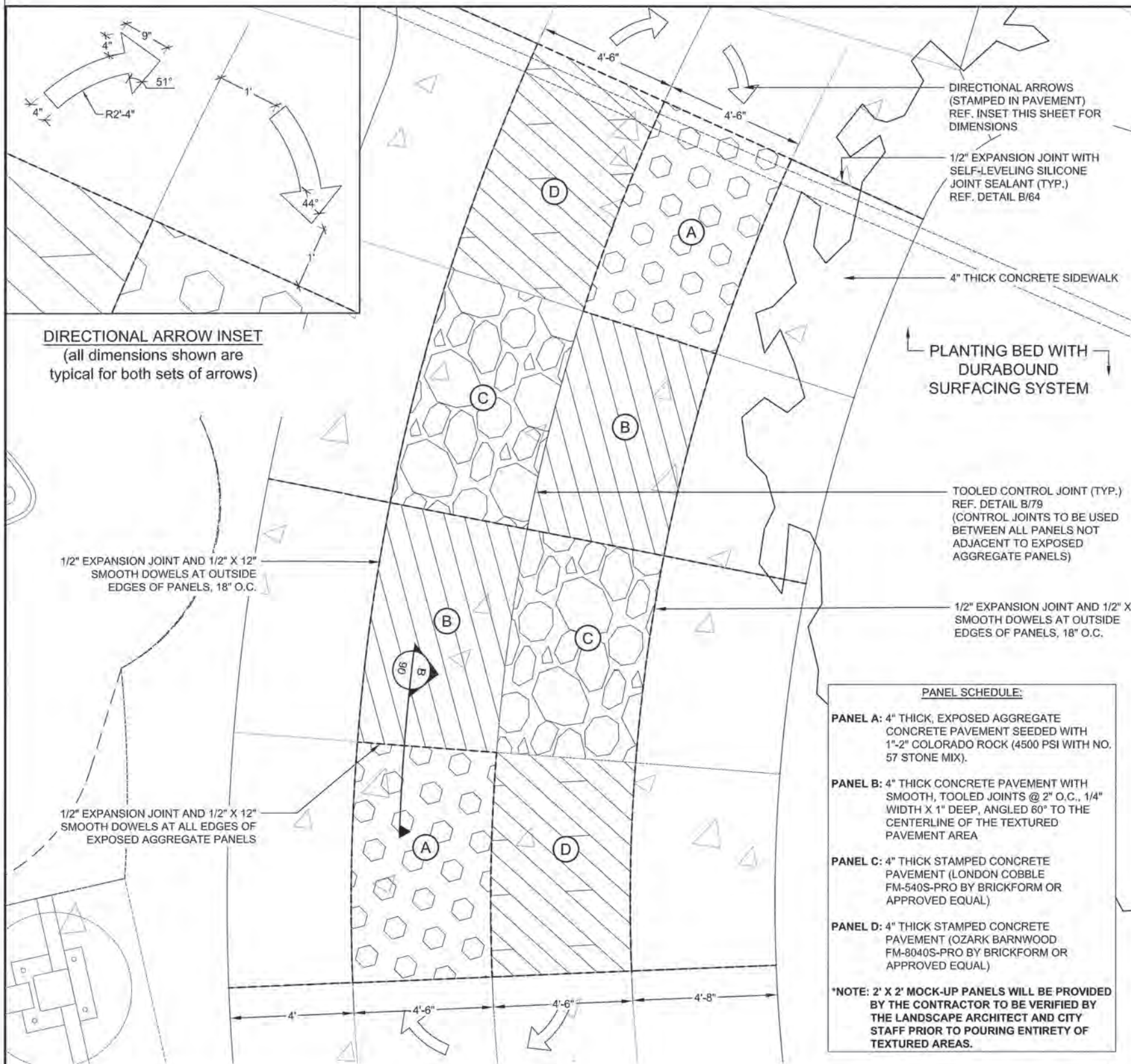
CONSTRUCTION DETAILS (6)

SHEET

79 OF 119



REVISION	BY	DATE	DRAWN	LPCI	MAY 2005	TULSA, OK 74107 918-534-6484 79 OF 119
			DESIGNED	LPCI	JUL 2004	
			SURVEY	FLS	APR 2004	
			PROJ. MNGR.	SL	12/10/05	
			LEAD ENGR.	TA	12/25	
			FIELD MGR.	RM	1/16	
CONSTRUCTION DETAILS (6)						

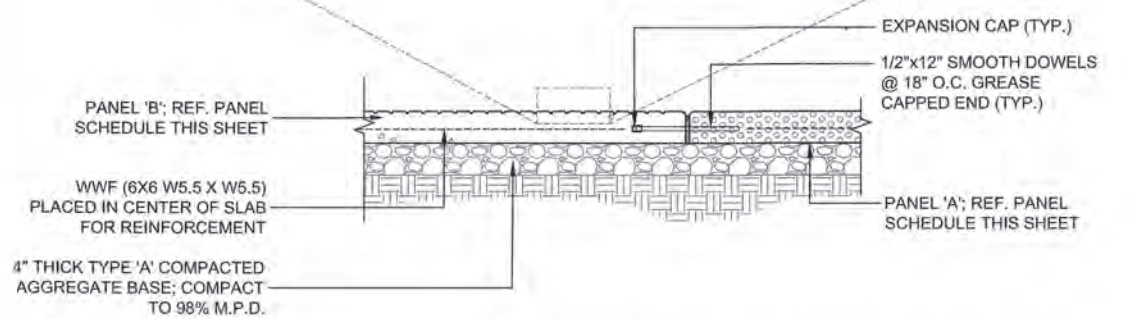
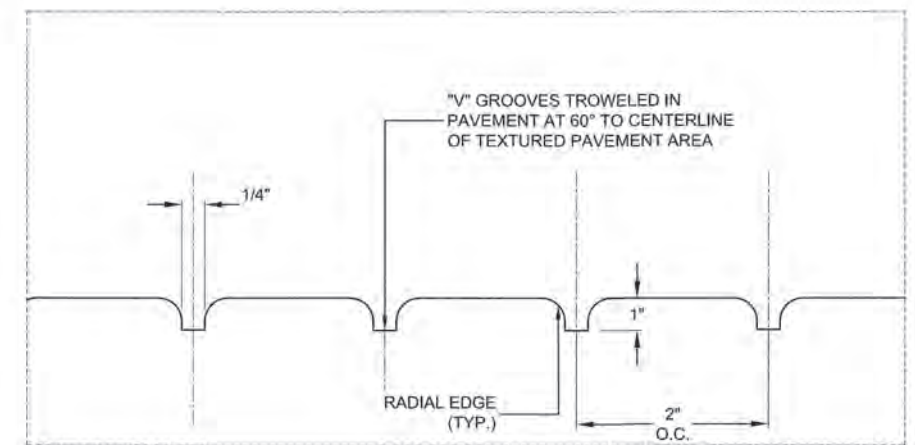


A
80
TEXTURED MOBILITY DEVICE TRACK - PLAN VIEW

SCALE: 6" = 1'-0"

NOTES:

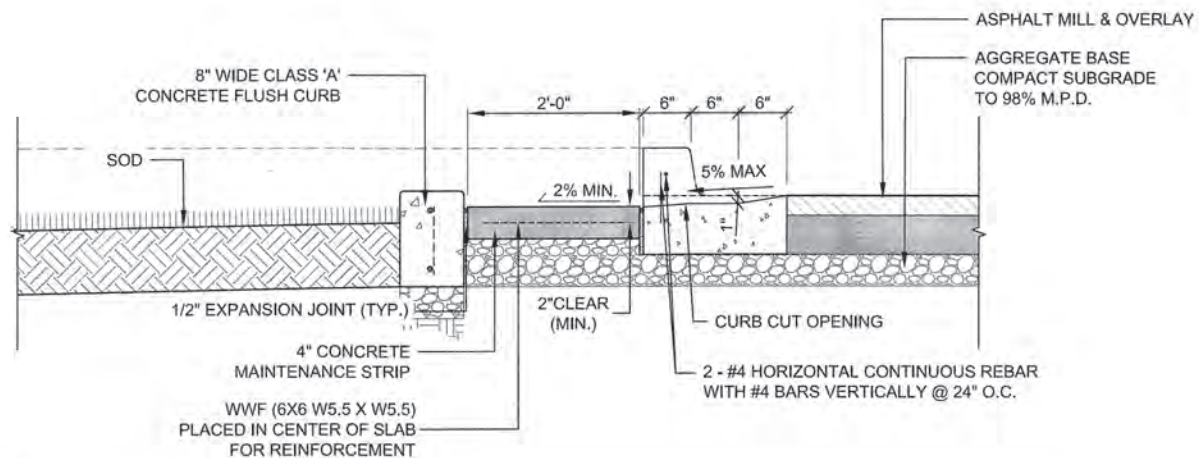
1. VERTICAL CHANGES AT PAVED SURFACES SHALL NOT EXCEED 1/4" UNLESS NOTED OTHERWISE.
2. HATCHES ARE ONLY INTENDED TO ILLUSTRATE TEXTURAL CHANGES. HATCHES ARE NOT MEANT AS LITERAL REPRESENTATIONS OF PAYMENT PATTERNS, SHAPES, ETC.



B
80
TEXTURED PAVEMENT - TRANSITION TO EXPOSED AGGREGATE PAVEMENT
NOT TO SCALE

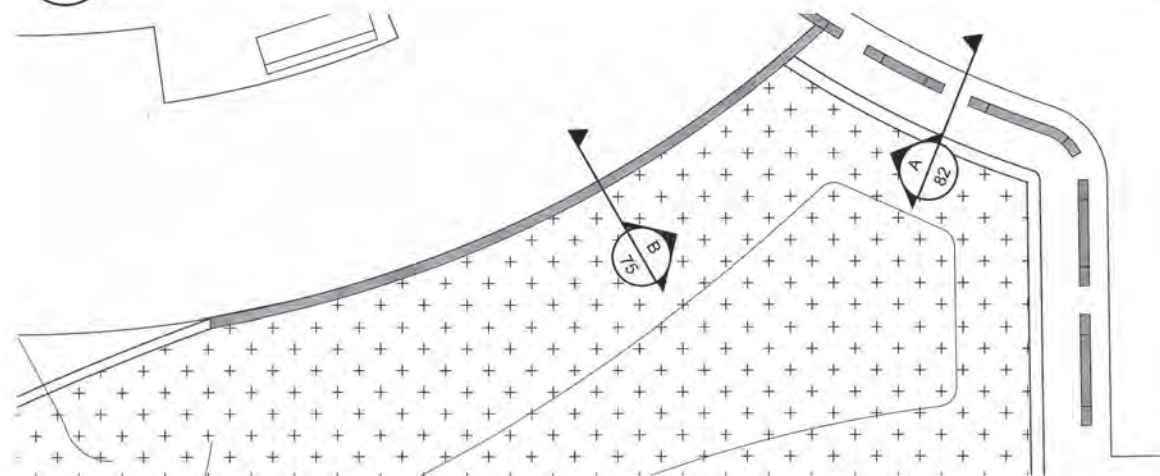


PROJECT # SP 21-6									
FRED JOHNSON PARK									
CITY OF TULSA, OKLAHOMA DEPARTMENT OF PARKS, CULTURE, & RECREATION									
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23rd TULSA, OK 74107 918-684-0454									
REVISION	BY	DATE	DRAWN	LPCI	MAY 2025				
			DESIGNED	UPCI	JUL 2024				
			SURVEY	FLS	APR 2024				
			PROD. MNGR.	SL	12/10/25				
			LEAD ENGR.	EA	12/25				
			FIELD MNGR.	Paul	1/16				
CONSTRUCTION DETAILS (7)								SHEET 80 OF 119	



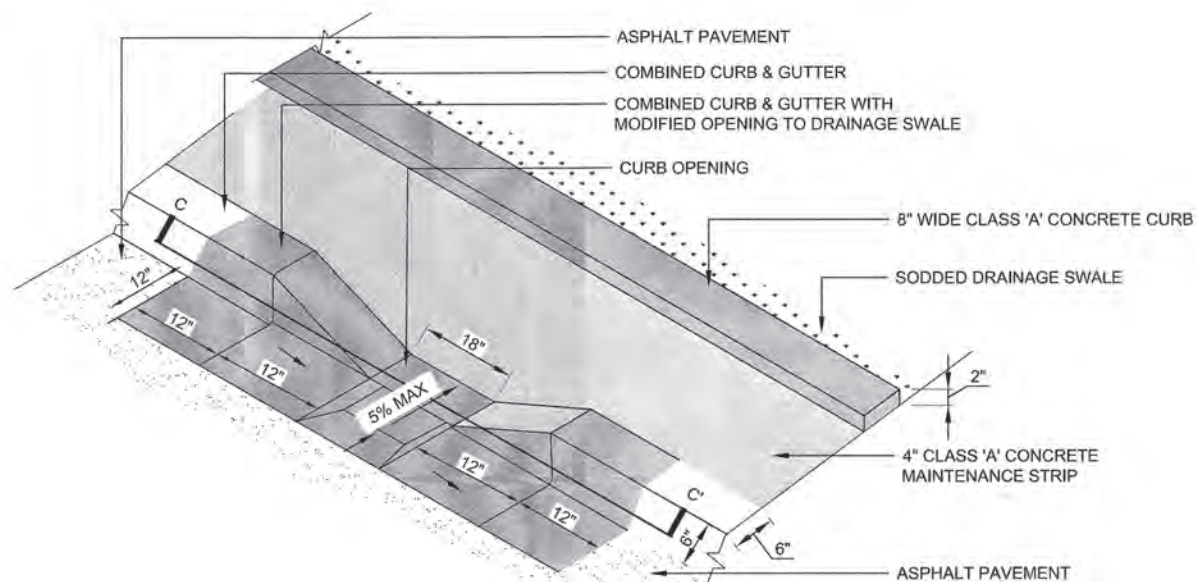
A
82 SECTION A-A' CURB CUT TO SWALE

SCALE: 1" = 1'-0"



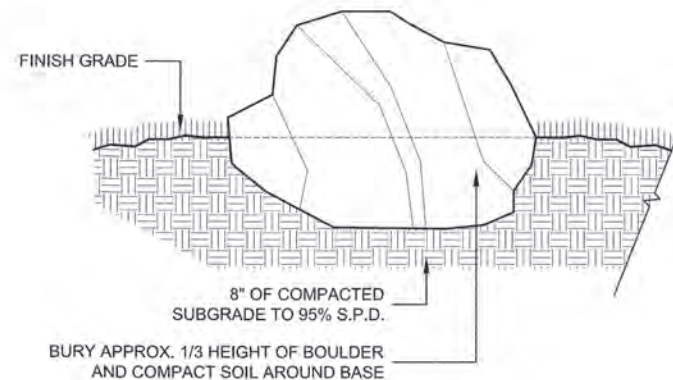
C
82 PLAN ENLARGEMENT - CURB CUTS TO DRAINAGE SWALE

SCALE: 1" = 5'-0"



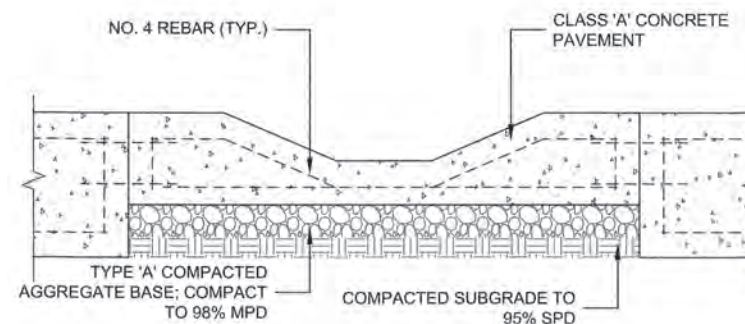
E
82 ISOMETRIC VIEW - CURB CUTS TO DRAINAGE SWALE

NOT TO SCALE



B
82 SECTION- SANDSTONE BOULDER

SCALE: 1" = 1'-0"

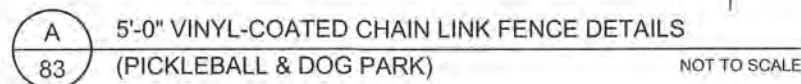


D
82 SECTION C-C' CURB CUT

NOT TO SCALE



PROJECT # SP 21-6	
FRED JOHNSON PARK	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF PARKS, CULTURE, & RECREATION	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1116 WEST 23rd TULSA, OK 74107 918-584-6464	
REVISION	BY DATE
DRAWN	LPG MAY 2025
DESIGNED	LPG JUL 2024
SURVEY	FLS APR 2024
PROJ. MGR.	SL 12/10/25
LEAD ENGR.	SL 12/25
FIELD MGR.	SL 1/1/26
CONSTRUCTION DETAILS (9)	
SHEET 82 OF 119	



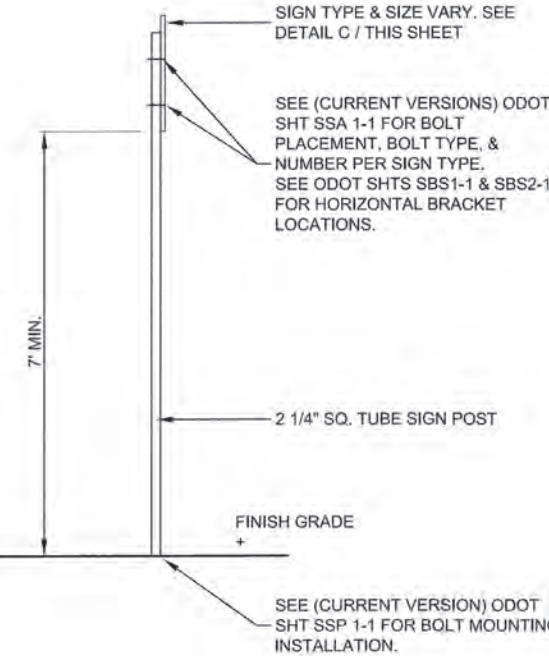
NOTES:

1. ALL MATERIALS USED ARE DOMESTIC ALUMINIZED (AZ) MATERIALS, TIES ARE STEEL.
2. ALL FITTINGS ARE PRESSED STEEL OR MALLEABLE STEEL.
3. SCH 40 STEEL POST MUST BE USED TO MEET ASTM STANDARDS OF WITHHOLDING 105 MPH SUSTAINED WINDS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL REMOVED FENCING MATERIAL, POSTS, ASSOCIATED HARDWARE AND FOOTINGS.
5. CHAIN LINK FABRIC SHALL BE 9 GAUGE PRIOR TO CLADDING WITH VINYL AND SHALL BE INSTALLED ON THE OUTSIDE OF THE FENCE.
6. 2" CHAIN LINK 9-GAUGE WIRE TYPE 4 - POLYVINYL CHLORIDE (PVC) - COATED STEEL KNUCKLED TOP AND BOTTOM. COLOR: BLACK

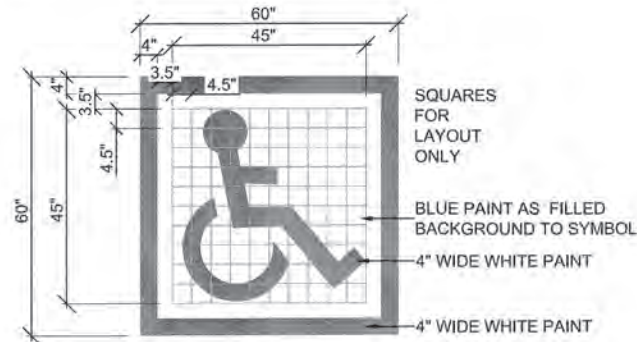


1110 WEST 23RD		TULSA, OK 74107		918-254-6554	
REVISION	BY	DATE	DRAWN	LPCI	MAY 2024
			DESIGNED	LPCI	JUL 2024
			SURVEY	FLS	APR 2024
			PROJ. MGR.	SL	12/10/23
			LEAD ENGR.	ton	12/25
			FIELD MGR.	thu	1/26
			CONSTRUCTION		SHEET
			DETAILS (10)		
					83 OF 119

NOTE:
HEIGHT OF SIGN ABOVE TRAIL & MINIMUM CLEARANCES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART IX. HEIGHT FOR SIGNS ON ROAD SHALL BE 7' MIN. ABOVE GRADE.

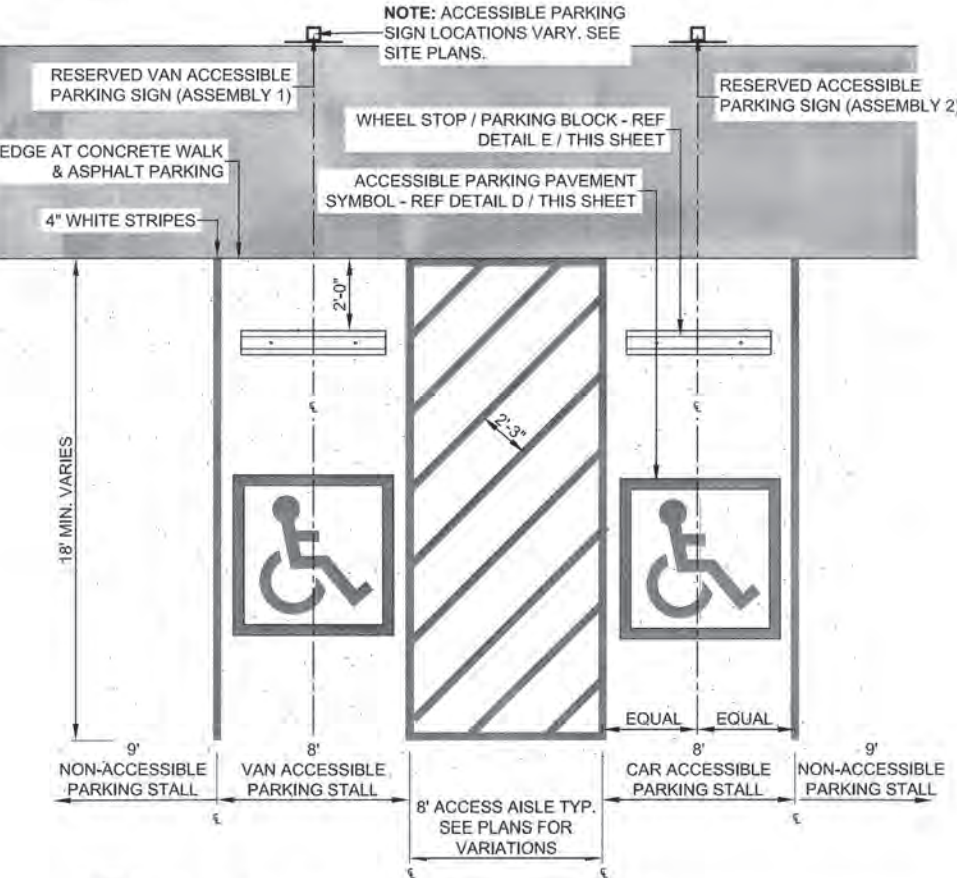


A ROAD SIGN
84 NOT TO SCALE

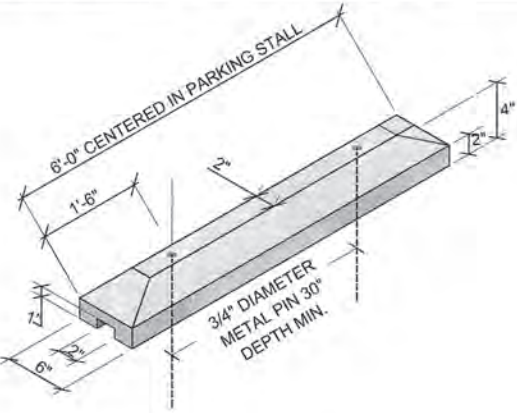


D ACCESSIBLE PAVEMENT PARKING SYMBOL
84 NOT TO SCALE

NOTE:
1. PAVEMENT MARKING PAINT SHALL BE A TYPE III - DROP-ON AS SPECIFIED IN SPEC. SECTION 02516 PAVEMENT MARKINGS PAINT. PARKING & ACCESS AISLE MUST NOT EXCEED MAXIMUM SLOPE OF 2%, 1% MINIMUM.
2. PREFABRICATED CONCRETE WHEEL STOP OF VARYING SHAPE, BUT SIM. DIMS MAY BE SUBMITTED FOR APPROVAL.

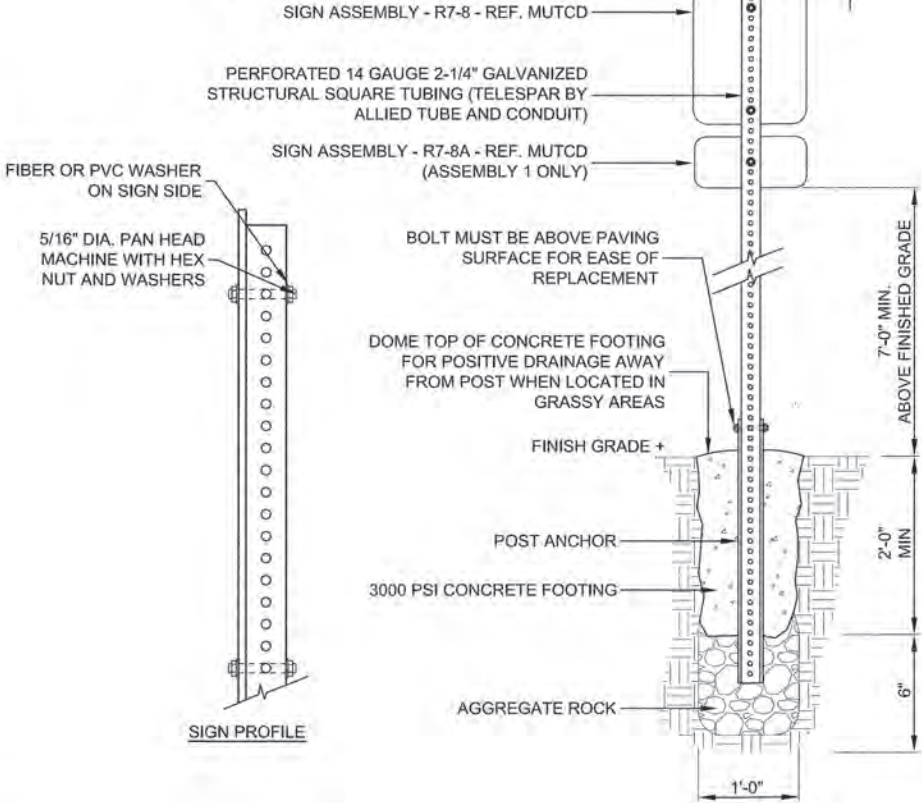


B TYPICAL ACCESSIBLE PARKING STALLS
84 NOT TO SCALE



E WHEEL STOP ISOMETRIC
84 NOT TO SCALE

NOTE
1. COVER HOLES IN POST ANCHOR AS TO NOT ALLOW CONCRETE TO FILL VOIDS
2. BOTTOM OF SIGN ASSEMBLY TO BE 7'-0" (MIN) ABOVE GRADE

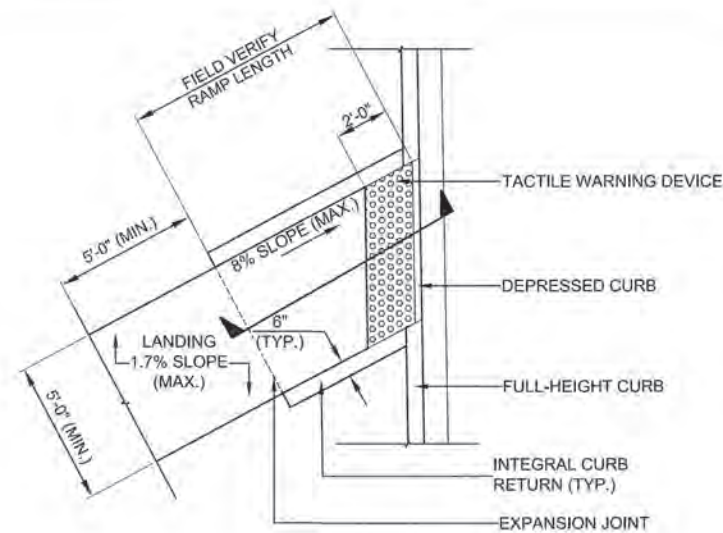


C ACCESSIBLE PARKING SIGN & POST
84 NOT TO SCALE

NOTES:
1. VERTICAL CHANGES AT PAVED SURFACES SHALL NOT EXCEED 1/4" UNLESS NOTED OTHERWISE.

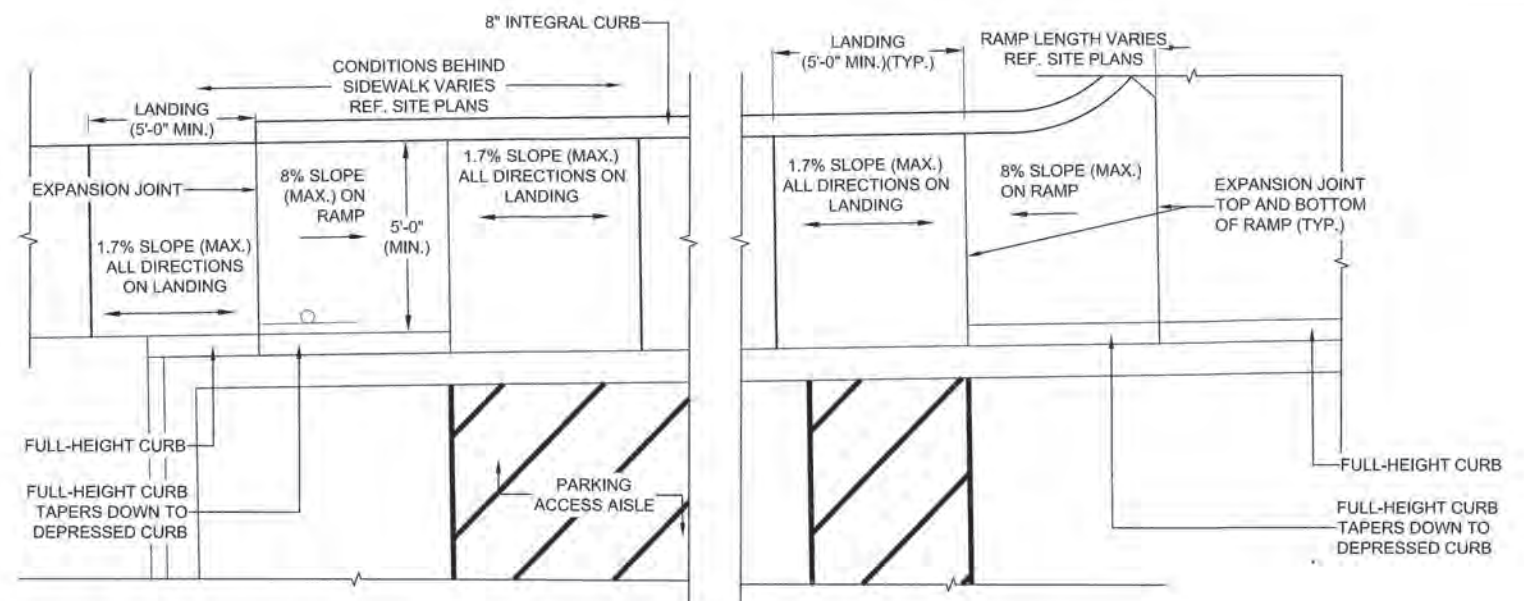


PROJECT # SP 21-6	
FRED JOHNSON PARK	
CITY OF TULSA, OKLAHOMA	
DEPARTMENT OF PARKS, CULTURE, & RECREATION	
PLANS AND ESTIMATES PREPARED BY:	
LANDPLAN CONSULTANTS	
1115 WEST 23RD TULSA, OK 74107 918-584-6454	
DESIGNED BY	LPCJ JUL 2024
SURVEYED BY	FLS APR 2024
PROJECT ENGINEER	SL 12/10/25
LEAD ENGINEER	SL 12/25
FIELD ENGINEER	SL 1/26
CONSTRUCTION DETAILS (11)	
SHEET 84 OF 119	



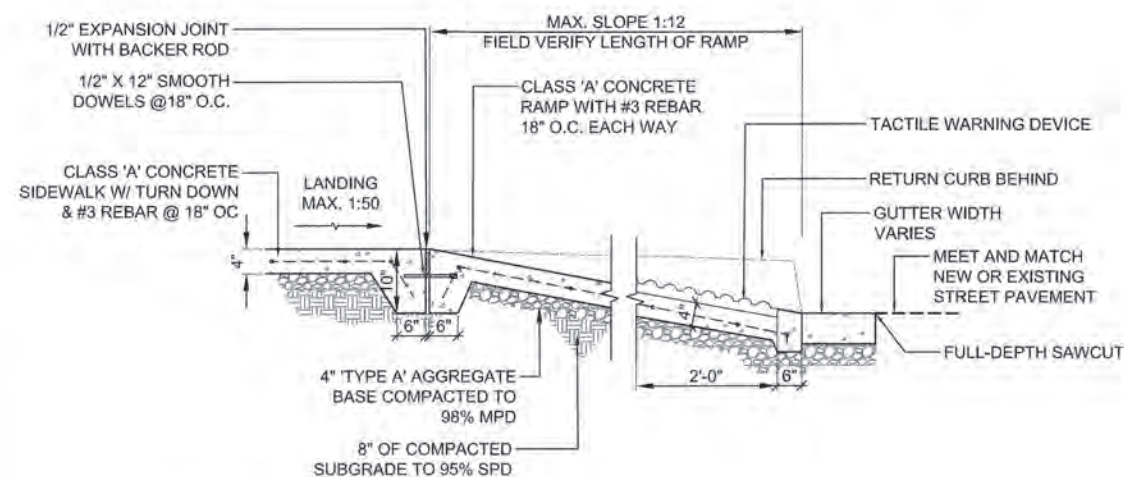
A
85
PLAN - CURB RAMP - TYPE B

NOT TO SCALE



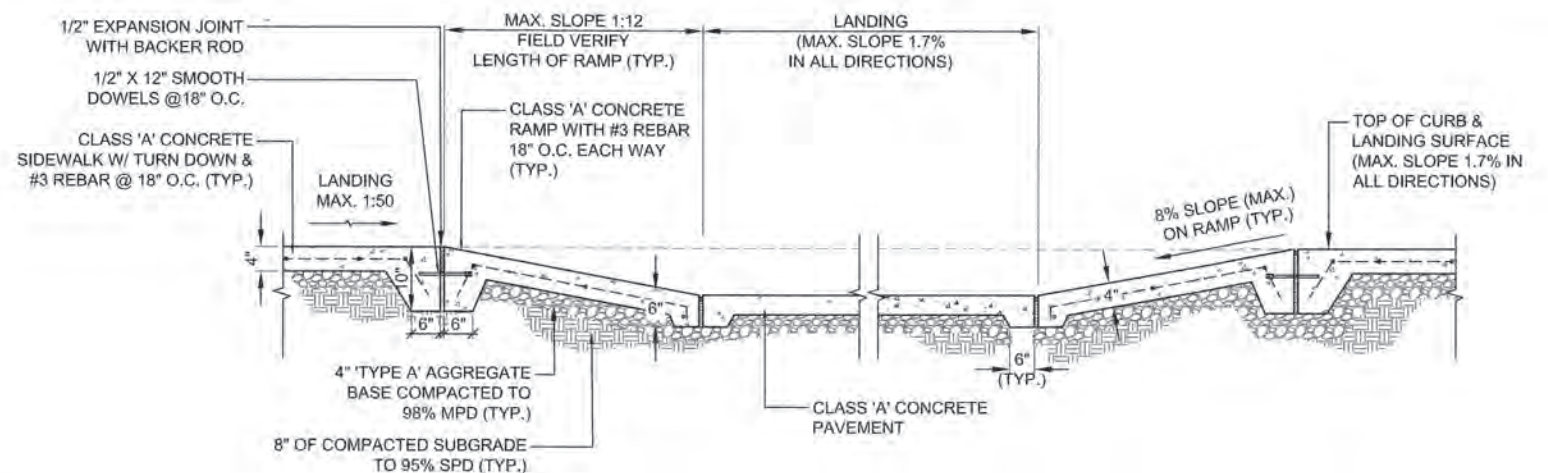
B
85
PLAN - CURB RAMP - TYPE D

NOT TO SCALE



C
85
SECTION - CURB RAMP - TYPE B

NOT TO SCALE



D
85
SECTION - CURB RAMP - TYPE D

NOT TO SCALE

GENERAL NOTES:

1. THE RAMP DIMENSIONS SHOWN ARE BASED ON A CURB HEIGHT OF SIX INCHES. THE DIMENSIONS SHOULD BE ADJUSTED FOR OTHER CURB HEIGHTS. THE MAXIMUM PERMISSIBLE SLOPES OF THE WHEELCHAIR RAMPS IS 8.0% (12:1). RAMP SLOPE MAY BE 10:1 (MAX.) ALONG FACE OF TAPERED CURB.
2. TRANSVERSE GROOVING SHALL NOT BE USED ON RAMPS.
3. DRAINAGE STRUCTURES SHALL NOT BE PLACED IN LINE WITH THE RAMPS.
4. THE NORMAL GUTTER LINE PROFILE SHALL BE MAINTAINED THROUGH THE AREA OF THE RAMP WITH A 1.7% SLOPE (DESIGN MAX.). SEE NOTE NO. 10.
5. WHEELCHAIR RAMPS SHOULD BE LOCATED SO THAT THE RAMP WILL BE ON THE TRAFFIC APPROACH SIDE OF ANY OBSTACLE.
6. WHEELCHAIR RAMPS SHOULD BE BUILT AS SHOWN ON THE PLANS ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE TYPE OF RAMP WILL BE DESIGNATED ON THE PLANS. IF A RAMP IS TO BE CONSTRUCTED AS A COMBINATION OF TWO TYPES (ONE SIDE TYPE A AND ONE SIDE TYPE B), THE RAMP SHALL BE DESIGNATED AS TYPE A-B.
7. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 2019 ODOT STANDARD SPECIFICATIONS.

8. EXCAVATION, BACKFILL, EXPANSION JOINT MATERIAL, SEALERS, AND OTHER RELATED MISCELLANEOUS ITEMS WILL NOT BE PAID FOR SEPARATELY BUT THE COST THEREOF SHALL BE INCLUDED IN THE COST OF THE SIDEWALK RAMP.
9. ALL FEATURES OF CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, SIDEWALKS, CURB RAMPS, AND CROSSWALK MARKINGS SHALL COMPLY WITH THE PROPOSED RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG). WHERE SPATIAL LIMITATIONS OR EXISTING FEATURES WITHIN THE LIMITS OF THE PROJECT PREVENT FULL COMPLIANCE WITH PROWAG, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER UPON DISCOVERY OF SUCH FEATURE(S). THE CONTRACTOR SHALL NOT PROCEED WITH ANY ASPECT OF THE WORK WHICH IS NOT IN FULL COMPLIANCE WITH THE PROWAG WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER. ANY WORK WHICH IS NOT PERFORMED WITHIN THE GUIDELINES OF THE PROWAG, FOR WHICH THE CONTRACTOR DOES NOT HAVE WRITTEN APPROVAL, SHALL BE COLLECTED AT THE CONTRACTOR'S EXPENSE.
10. AGGREGATE BASE SHALL BE PAID FOR SEPARATELY AND ESTIMATED AT 2.4 CY FOR EACH RAMP AT CORNER LOCATIONS.
11. WHEELCHAIR RAMPS SHALL BE PAID FOR BY EACH.
12. THE TRUNCATED DOMES WILL BE MEASURED AND PAID FOR BY THE SQUARE FOOT OF PANEL AREA. THE ROWS OF TRUNCATED DOMES SHALL ALIGN PERPENDICULAR OR RADIAL TO THE GRADE BREAK BETWEEN THE RAMP, LANDING, OR BLENDED TRANSITION AND THE STREET.
13. CROSS SLOPES FOR SIDEWALKS SHALL BE 1.5% PREFERRED TO 2% MAXIMUM.
14. SIDEWALKS AND RAMPS SHALL MEET THE ADA ACCESSIBILITY TECHNICAL REQUIREMENTS AS SHOWN AT WWW.ACCESS-BOARD.GOV/PROWAG/

NOTES:

1. VERTICAL CHANGES AT PAVED SURFACES SHALL NOT EXCEED 1/4" UNLESS NOTED OTHERWISE.



PROJECT # SP 21-6	
FRED JOHNSON PARK	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF PARKS, CULTURE, & RECREATION	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23rd TULSA, OK 74107 510-284-6404	
DESIGNED	LPCI JUL 2024
SURVEY	FLS APR 2024
PROJECT MANAGER	SL 12/10/25
LEAD ENGINEER	SL 12/12/25
FIELD MANAGER	SL 1/1/26
CONSTRUCTION DETAILS (12)	SHEET 85 OF 119

1. ALL DIMENSIONS ARE TO THE OUTSIDE EDGE OF THE LINES.
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. DO NOT SCALE DRAWING.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.



A POST TENSIONED BASKETBALL COURT PAINTING PLAN
86

POST-TENSIONED SLAB GENERAL NOTES:

A. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT THE TIME OF FINAL STRESSING. CONCRETE SHALL HAVE A MAXIMUM SLUMP OF 5 INCHES. WATER CONTENT SHALL BE CONTROLLED AND MINIMIZED.

B. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3500 PSI WITH 5% TO 7% AIR ENTRAINMENT. SEE PROJECT SPECIFICATIONS.

C. CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CALCIUM CHLORINE SHALL NOT BE USED. USE ONLY SET ACCELERATORS THAT DO NOT CONTAIN CALCIUM CHLORINE.

D. ALL CONVENTIONAL STRUCTURAL REINFORCING STEEL SHALL BE SIZED AS NOTED ON PLANS. ALL REBAR SHALL CONFORM TO ASTM A-615, GRADE 60.

E. VAPOR BARRIER SHALL BE INSTALLED BELOW CONCRETE BASKETBALL COURT.

F. ALL POST-TENSIONING TENDONS AND ANCHORAGE SHALL CONFORM TO SPECIFICATIONS SET FORTH BY THE POST-TENSIONING INSTITUTE. TENDONS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM-416. ALL PRESTRESSING STEEL SHALL BE 1/2 INCH DIAMETER, 7 WIRE, 270KSI LOW RELAXATION STRAND, COATED WITH A RUST PREVENTATIVE LUBRICANT AND WRAPPED WITH A PLASTIC SHEATH. NOTE: DAMAGED SHEATHING MAY BE REPAIRED BY TAPING. A MAXIMUM OF 6 INCHES EXPOSED STRAND IS PERMITTED. 12 INCHES AT DEAD END OF ANCHORAGE.

STRAND SPECIFICS:			
NOMINAL DIAMETER	1/2 INCH	ULTIMATE STRENGTH	41.3 KIPS
AREA	0.153 SQ. IN.	MAX. TEMP FORCE	33.0 KIPS
MOD. OF ELASTICITY	28,000 KSI	ANCHORING FORCE	28.9 KIPS

- A. ALL DIMENSIONS SHALL BE VERIFIED
- B. THE SUBGRADE SHALL BE PREPARED AS OUTLINED IN THE PROJECT SOILS REPORT. THIS SHALL INCLUDE, BUT IS NOT LIMITED TO: STRIPPING, PROOFROLLING, MOISTURE CONDITIONING, AND COMPACTING. A QUALIFIED GEOTECHNICAL ENGINEER SHALL VERIFY ALL SUBGRADE CONSTRUCTION.
- C. CONSTRUCTION JOINTS ARE NOT PERMITTED.
- D. NO SAW CUTTING OF THE SLAB IS PERMITTED.
- E. CONCRETE SHALL BE WELL CONSOLIDATED IN THE VICINITY OF EACH TENDON ANCHORAGE.
- F. CONCRETE SHALL BE PLACED IN SUCH A MANNER AS TO ENSURE THAT ALIGNMENT OF POST-TENSIONING TENDONS REMAIN UNCHANGED.
- G. REFERENCE THE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ALL DROPS, OPENINGS, AND INSERTS.
- H. ALL SUPPORT CHAIRS MUST BE SECURED WITH WIRE TIES TO THE TENDONS.



GENERAL NOTES CONTINUED:

A. TENDONS SHALL BE PLACED ACCORDING TO NUMBER AND SPACING AS SHOWN ON THE DRAWING. SLIGHT DEVIATION IN SPACING IS PERMITTED WHERE REQUIRED TO AVOID OPENINGS AND INSERTS WHICH ARE SPECIFICALLY LOCATED.

B. TOLERANCES:

1. VERTICAL PLACEMENT IN SLAB TENDONS SHALL BE LIMITED TO 1/2 INCH, PLUS OR MINUS.
2. HORIZONTAL PLACEMENT IN SLAB TENDONS SHALL BE LIMITED TO 8 INCHES, PLUS OR MINUS.
3. THE MAXIMUM TENDON DISPLACEMENT HORIZONTALLY SHALL NOT EXCEED 12 INCHES.
4. THE MINIMUM RADIUS OF CURVATURE TO ACHIEVE VERTICAL AND HORIZONTAL TRANSITION IN TENDON ALIGNMENT SHALL BE 60 INCHES.

- A. STRESSING OPERATION MUST BE COMPLETE BEFORE ANY ADJACENT CONCRETE PLACEMENTS ARE MADE.
- B. FORMS MUST BE REMOVED AND NO BACKFILL ALLOWED NEXT TO THE SLAB TO ALLOW A CLEAN STRESSING OPERATION AREA.
- C. PROVIDE 3'-0" BY 1'-6" WIDE CLEAR AREA AROUND ALL STRESSING ENDS ON OUTSIDE EDGE, OR AT ALL STRESSING AREAS.
- D. STRESSING SHALL BE UNDER THE IMMEDIATE CONTROL OF A PERSON EXPERIENCED IN THIS TYPE OF WORK.
- E. PROVIDE A 25% PARTIAL STRESS WITHIN 48 HOURS OF CONCRETE PLACEMENT.
- F. FINAL STRESSING SHALL OCCUR AS SOON AS CONCRETE REACHES 2100 PSI OR 7 DAYS.
- G. FORMED POCKET HOLES AT STRESSING ENDS OF CABLE SHALL BE FILLED WITH SAND/CEMENT GROUT FOLLOWING THE STRESSING OPERATION AND REMOVAL OF STRESSING TAIL.

A. THE POST TENSION DRAWING ILLUSTRATES THE REQUIRED PT LAYOUT TO ACHIEVE A MINIMUM 100PSI RESIDUAL COMPRESSION AT THE MIDPOINT OF THE SLAB. THIS IS NOT INTENDED TO BE A RIGID FOUNDATION DESIGN. SUBGRADE SHOULD BE WELL COMPACTED.

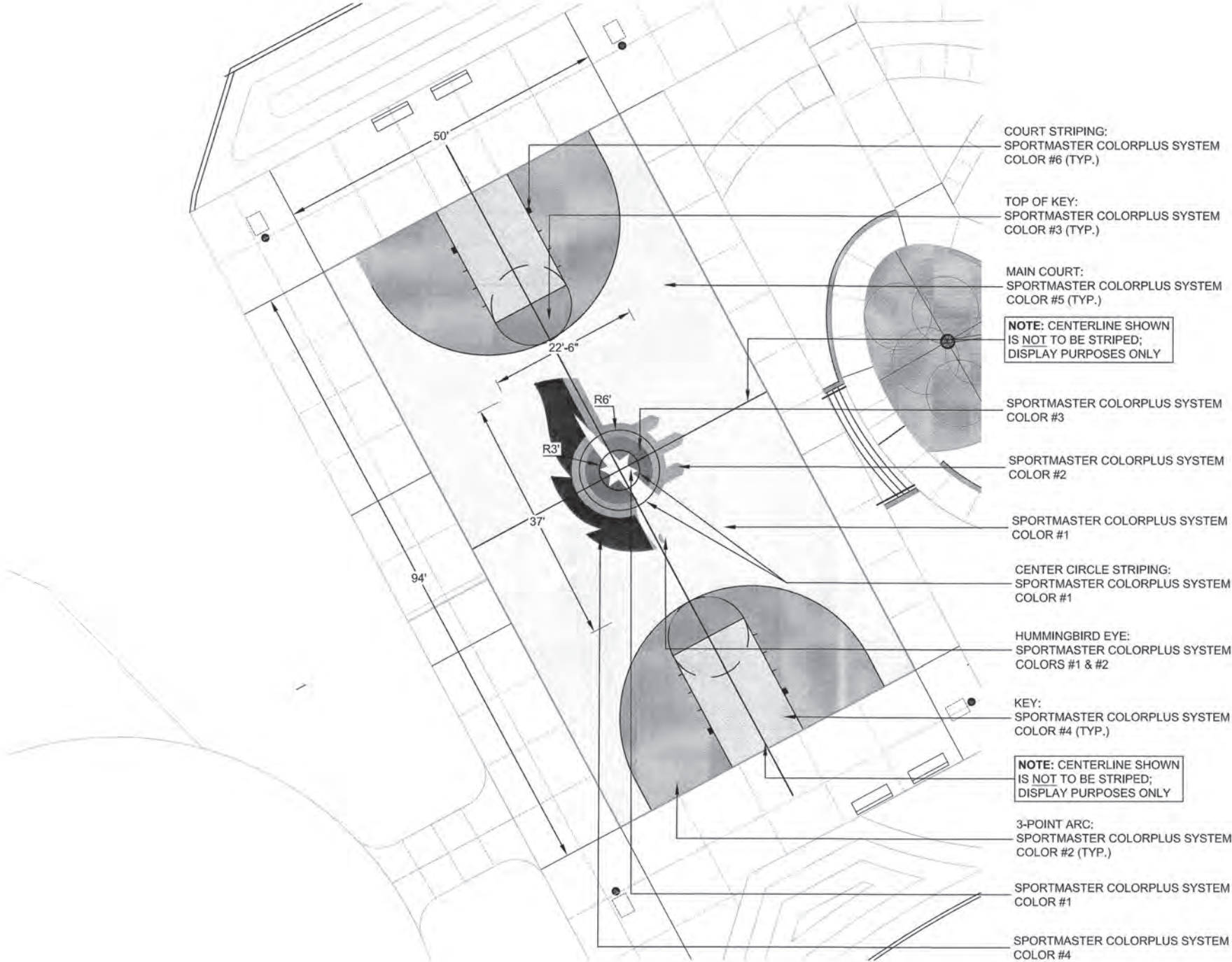
B. PLAIN AND POST-TENSIONED CONCRETE DEVELOP CRACKS. THE CRACKS ARE DUE TO CREEP, SHRINKAGE, AND RESTRAINING EFFECTS. THE CRACKS ARE CONSIDERED COSMETIC AND DO NOT EFFECT THE SERVICEABILITY OR STRENGTH REQUIREMENTS. PT COMPRESSIVE FORCES ARE USED TO CONTROL CRACKING, BUT MAY NOT ELIMINATE ALL CRACKING AS THIS IS IMPRACTICAL. CONTRACTOR SHALL USE STANDARD MEANS TO ENSURE PROPER PROTECTION AND CURING OF CONCRETE SLABS TO REDUCE CRACKING, SPALLING OR EXTREME CRACKING MAY BE CAUSED BY LOW QUALITY MATERIAL, PLACEMENT, OR FINISHING TECHNIQUES.

C. VERIFICATION OF SOIL CONSTRUCTION, PRE-POUR INSPECTIONS, MEASURED ELONGATIONS, AND TESTING OF CONCRETE SHOULD BE COMPLETED BY A QUALIFIED TESTING AGENCY.

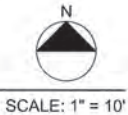


REVISION		BY	DATE	TUESDAY, MAY 14 2024		818-254-4264	
				DRAWN	LPC	MAY 2024	
				DESIGNED	LPC	JUL 2024	
				SURVEY	PLS	APR 2024	
				PROJ. MGR.	SL	12/10/25	
				LEAD ENGR.	SL	12/23	
				FIELD MGR.	SL	1/16	
				SPORT COURT DETAILS (1)		SHEET 86 OF 119	

- NOTES:
1. COLORS ARE FROM THE SPORTMASTER COLORPLUS SYSTEM PALETTE.
 2. EXTERIOR COURT DIMENSIONS TAKEN FROM CENTERLINES OF EXTERIOR STRIPING.



A BASKETBALL COURT PAINTING PLAN
87



REVISION				BY	DATE

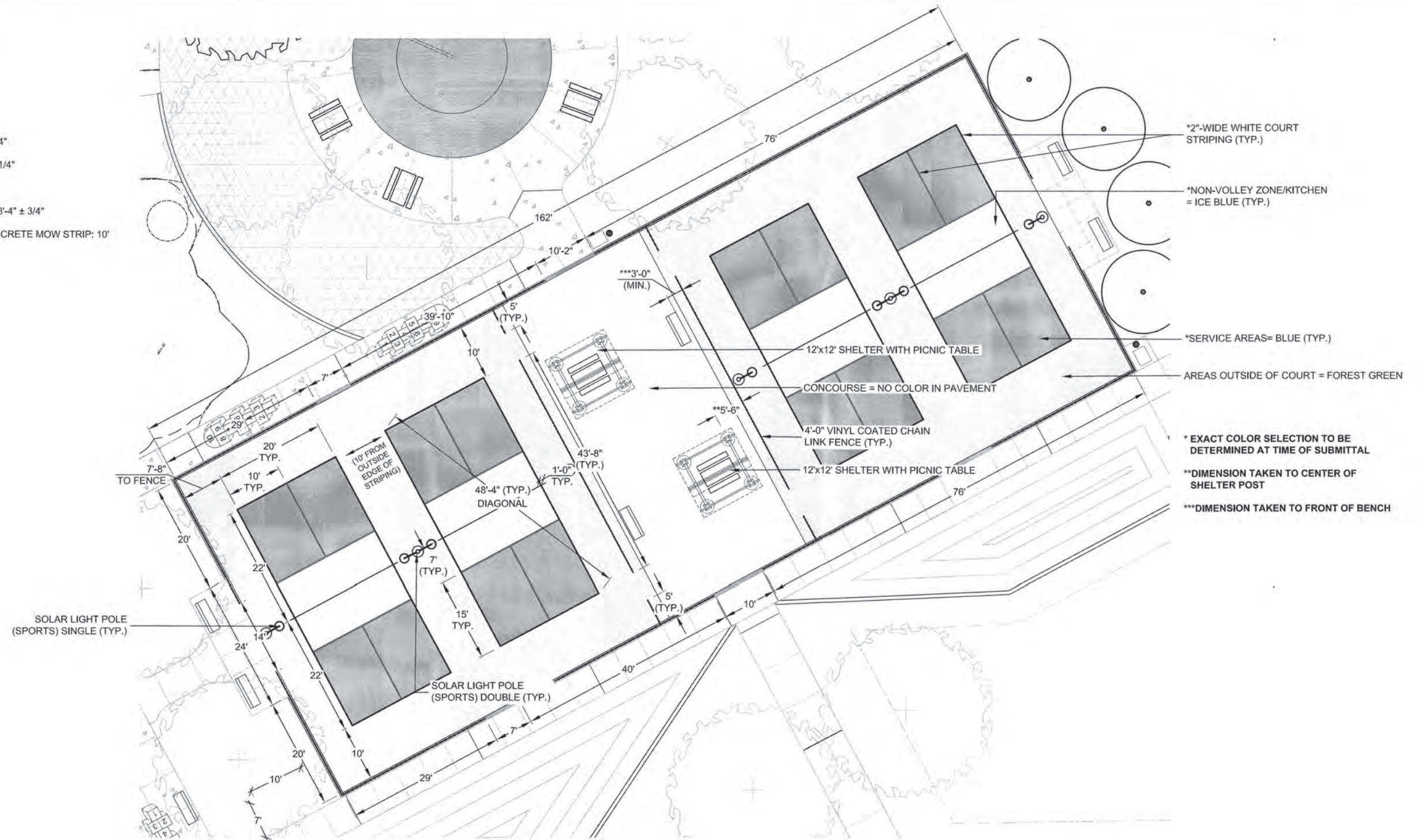
DRAWN	LPCI	MAY 2025
DESIGNED	LPCI	JUL 2024
SURVEY	FLS	APR 2024
PROJ. MGR.	SL	12/10/25
LEAD ENGR.	BN	12/7/25
FIELD MGR.	SL	1/2/26

SPORT COURT DETAILS (2)		SHEET 87 OF 119
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PROJECT # SP 21-6	
FRED JOHNSON PARK	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF PARKS, CULTURE, & RECREATION	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23rd TULSA, OK 74107 918-584-6464	

1. COLORS ARE FROM THE SPORTMASTER COLORPLUS SYSTEM PALETTE.
2. DIMENSIONS AROUND EDGES OF COURTS (EXTERIOR) TAKEN FROM INNER EDGES OF 8" MOW STRIP AT FENCE.

- KITCHEN (NON-VOLLEY ZONE): $7' \pm 1/8''$
- NET LINE TO INSIDE EDGE OF BASELINE: $22' \pm 1/4''$
- OUTSIDE SIDELINE TO OUTSIDE SIDELINE: $20' \pm 1/4''$
- OUTSIDE SIDELINE TO CENTERLINE: $10' \pm 1/8''$
- DIAGONAL DIMENSION TO OUTSIDE OF LINES: $48'-4'' \pm 3/4''$
- INSIDE EDGE OF BACK LINE TO EDGE OF 8" CONCRETE MOW STRIP: 10'



***DIMENSION TAKEN TO FRONT OF BENCH

88



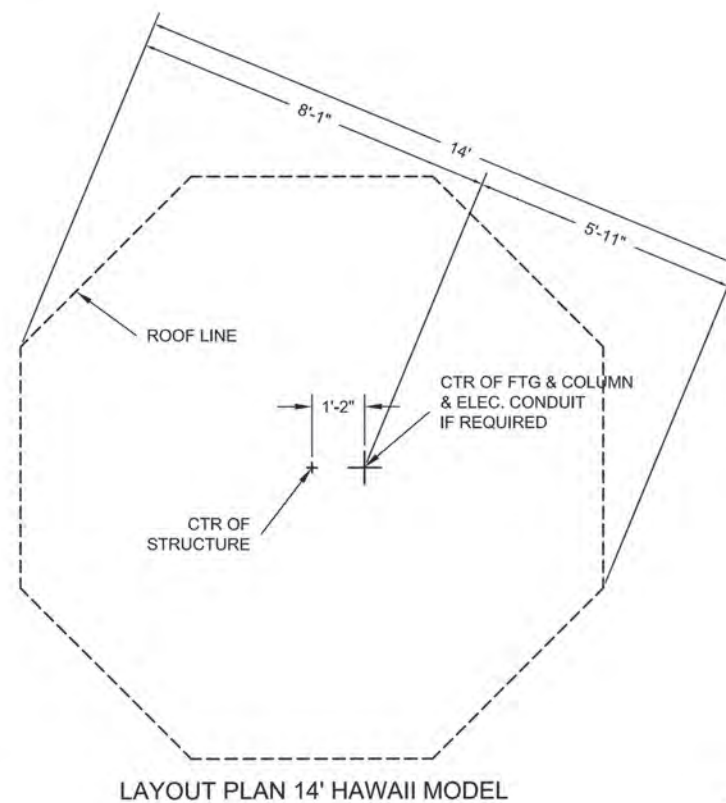
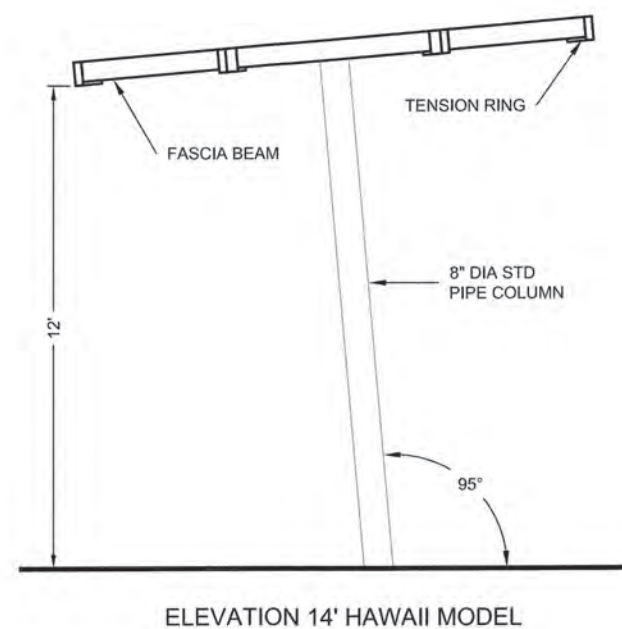
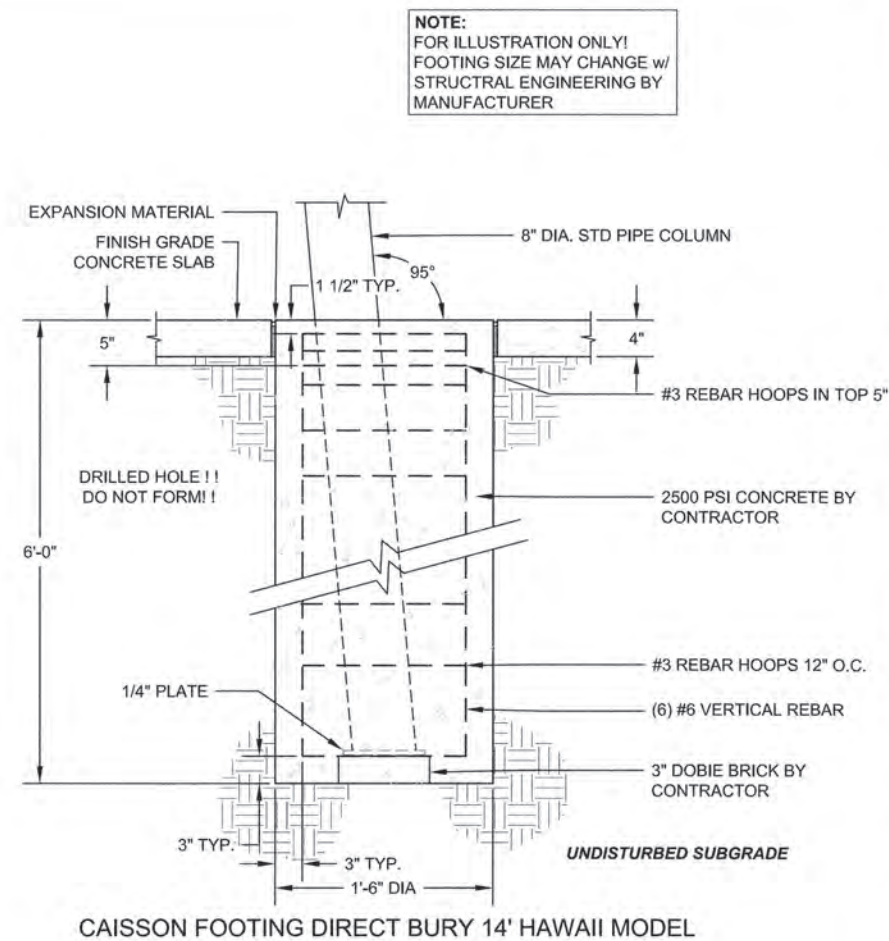
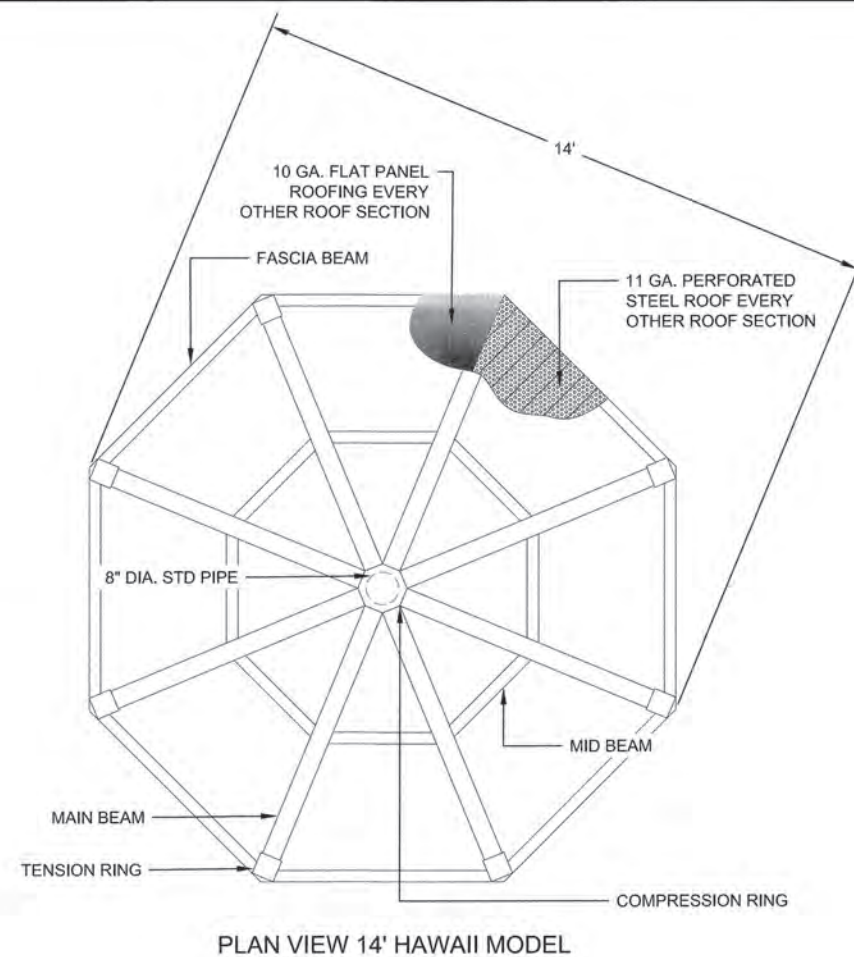
SCALE: 1" = 10'



88 OF 119



T110 WEST 63RD		TULSA, OK 74107		918-584-6454	REVISION	NO
REVISION	BY	DATE	DRAWN	LPCI	MAY 2025	
			DESIGNED	LPCI	JUL 2024	
			SURVEY	FLS	APR 2024	
			PROJ. MNGR.	SL 12/10/25		
			LEAD ENGR.	BHW 12/25		
			FIELD MNGR.	KML 1/16		
SPORT COURT DETAILS (3)					SHEET 88 OF 119	



NOTE:

AWARDED CONTRACTOR SHALL SUPPLY SIGNED AND SEALED DRAWINGS BY AN ENGINEER LICENSED IN THE STATE OF OKLAHOMA DRAWINGS AND STRUCTURAL CALCULATIONS FROM MANUFACTURER FOR APPROVAL AND PERMITTING. COST FOR SEALED DRAWINGS INCIDENTAL TO THE PURCHASE OF UMBRELLAS.



PROJECT # SP 21-6

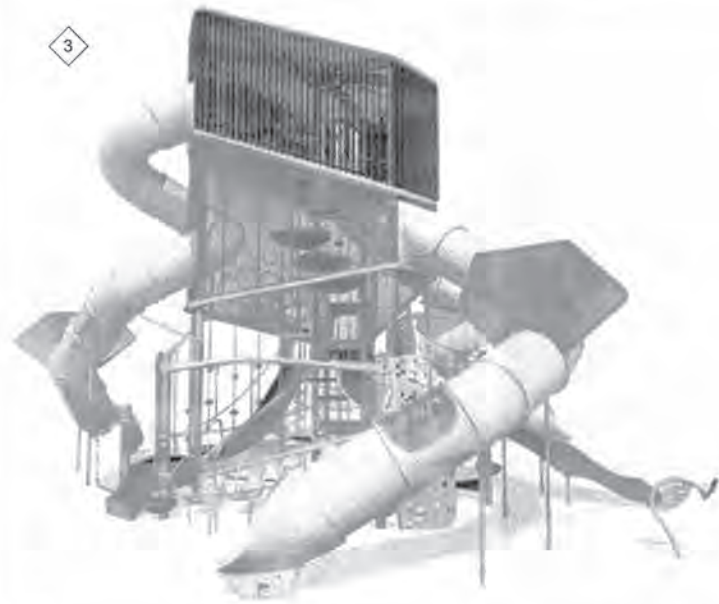
FRED JOHNSON PARK

CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, & RECREATION

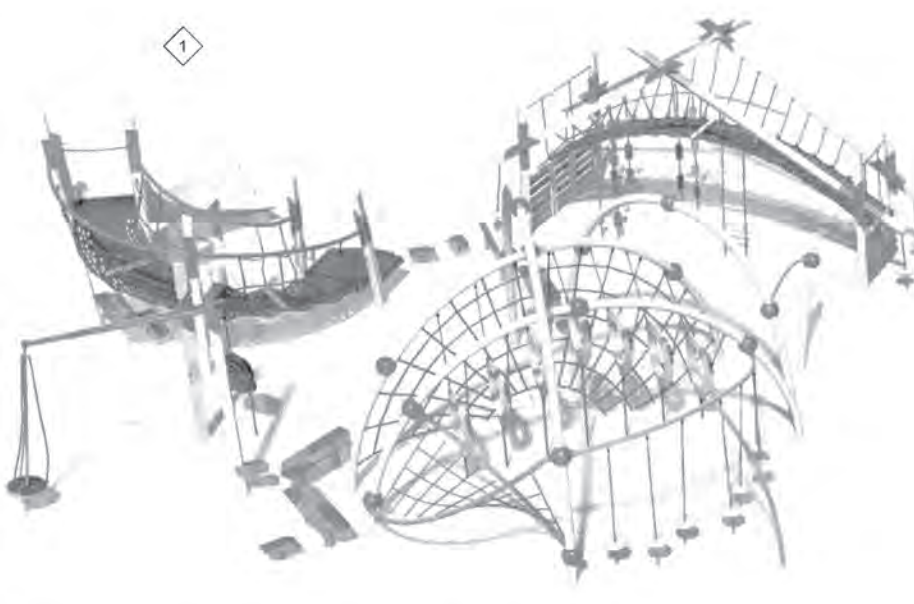
PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS

REVISION			BY	DATE	1110 WEST 23rd	TULSA, OK 74107	918-584-6654	05/11/2024
					DRAWN	LPCI	MAY 2025	
					DESIGNED	LPCI	JUL 2024	
					SURVEY	FLS	APR 2024	
					PROJ. MNGR.	SL	12/10/2025	
					LEAD ENGR.	EW	12/25	
					FIELD MNGR.	Rob	1/16	
HAWAII SHADE UMBRELLA DETAILS						SHEET		
						90 OF 119		

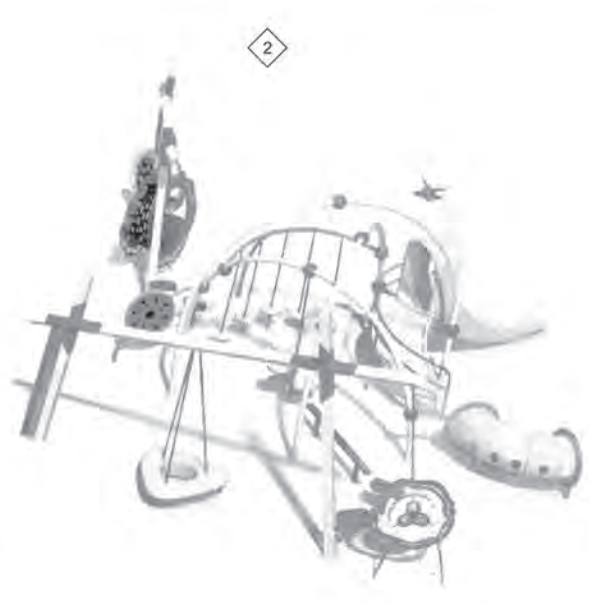




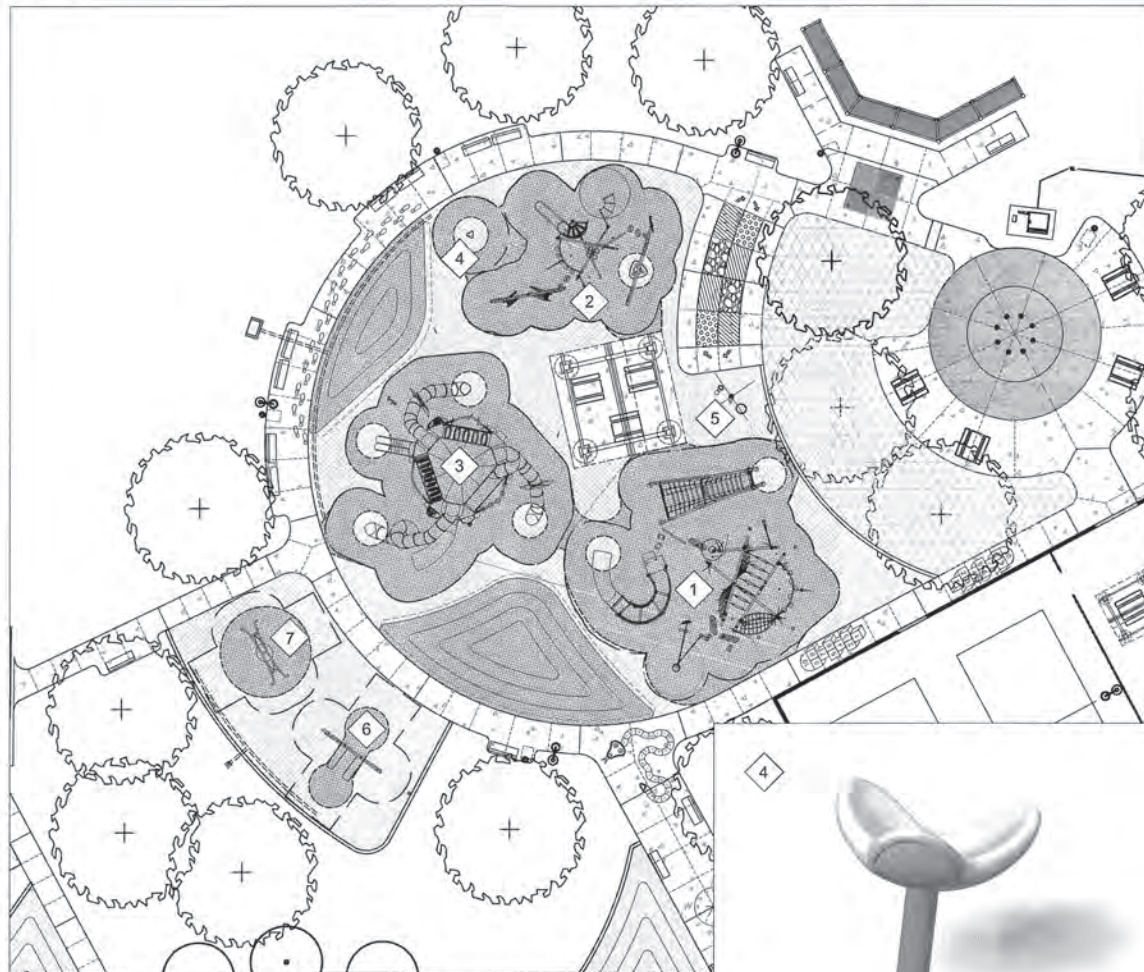
A LANDSCAPE STRUCTURES VOLO AIRE W/ 3 TUNNEL SLIDES
91 (5-12 YEARS) NOT TO SCALE



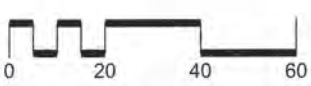
B LANDSCAPE STRUCTURES EVOS® AND FORMAT™
91 (5-12 YEARS) NOT TO SCALE



C LANDSCAPE STRUCTURES WEEVOS AND FORMA
91 (2-5 YEARS) NOT TO SCALE



D PLAYGROUND EQUIPMENT PLAN VIEW
91



PLAYGROUND EQUIPMENT SCHEDULE - BASE BID

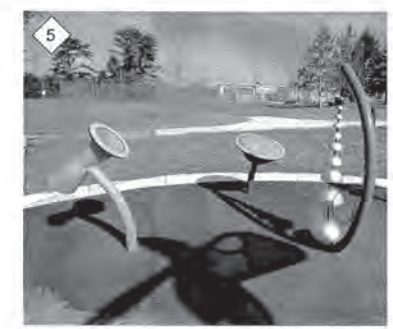
ITEM	DESCRIPTION	MANUFACTURER	CONTACT	MODEL #	COLOR	NOTES
1	EVOS® AND FORMAT™ (5-12 YEARS)	LANDSCAPE STRUCTURES	KRISTIN SEIFRIED ACS PLAYGROUNDS 405-226-7467	COSMOPOLITAN PLAY AREA 8085	TBD OWNER	PURCHASE OF EQUIPMENT BY OWNER INSTALLED BY CONTRACTOR
2	WEEVOS AND FORMA (2-5 YEARS)	LANDSCAPE STRUCTURES	KRISTIN SEIFRIED ACS PLAYGROUNDS 405-226-7467	COSMOPOLITAN PLAY AREA 8085	TBD OWNER	PURCHASE OF EQUIPMENT BY OWNER INSTALLED BY CONTRACTOR
3	VOLO AIRE™ W/3 TUNNEL SLIDES	LANDSCAPE STRUCTURES	KRISTIN SEIFRIED ACS PLAYGROUNDS 405-226-7467	354111	TBD OWNER	PURCHASE OF EQUIPMENT BY OWNER INSTALLED BY CONTRACTOR
4	SADDLE SPINNER (2-5 YEARS)	LANDSCAPE STRUCTURES	KRISTIN SEIFRIED ACS PLAYGROUNDS 405-226-7467	152179-A	TBD OWNER	PURCHASE OF EQUIPMENT BY OWNER INSTALLED BY CONTRACTOR
5	RHAPSODY KETTLE DRUM, KUNDU DRUM, CASCATA BELLS	LANDSCAPE STRUCTURES	KRISTIN SEIFRIED ACS PLAYGROUNDS 405-226-7467	214445	TBD OWNER	PURCHASE OF EQUIPMENT BY OWNER INSTALLED BY CONTRACTOR

PLAYGROUND FEATURE SCHEDULE - ADD ALTERNATE #3: SWING AREA

6	FORMA SWING FRAME WITH TWO BELT SWINGS	LANDSCAPE STRUCTURES	KRISTIN SEIFRIED ACS PLAYGROUNDS 405-226-7467	307429	TBD OWNER	PURCHASE OF EQUIPMENT BY OWNER INSTALLED BY CONTRACTOR
7	OODLE® SWING	LANDSCAPE STRUCTURES	KRISTIN SEIFRIED ACS PLAYGROUNDS 405-226-7467	173592	TBD OWNER	PURCHASE OF EQUIPMENT BY OWNER INSTALLED BY CONTRACTOR

PLAYGROUND SURFACING KEY

-----	CHANGE IN SURFACE MATERIAL
	SHAW ARTIFICIAL TURF GB-043 PLA 50 1 1/2" (OLIVE) WITH 2" BROCK CUSHION BY SOUTHWEST GREENS (TOTAL: 5357 SF, 595 SY) (TOTAL FOR SWING AREA: 1341 SF, 149 SY)
	SHAW ARTIFICIAL TURF GB-043 2" (LIME) WITH 2" BROCK CUSHION BY SOUTHWEST GREENS (TOTAL: 2248 SF, 250 SY) (TOTAL: BERMS OUTSIDE OF PLAYGROUND, 1507 SF, 417 SY) (TOTAL FOR SWING AREA: 1,789 SF, 198 SY)
	DURABOUND SURFACING SYSTEM (TOTAL 2240 SF, 249 SY)



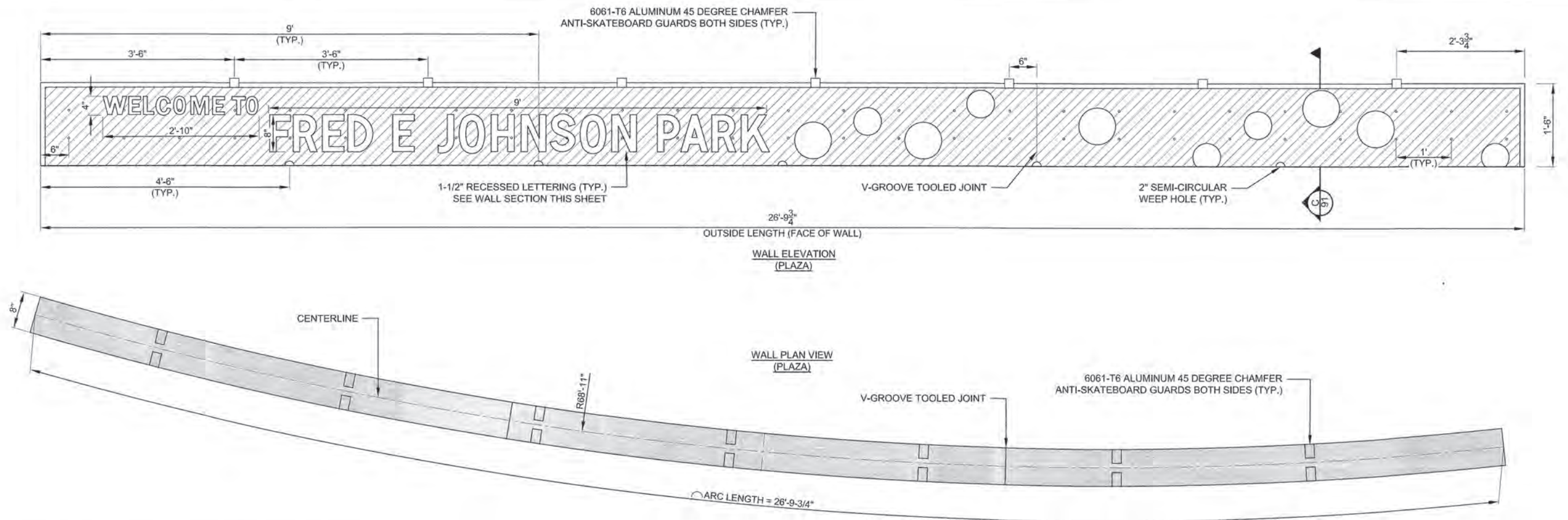
NOTES:
THE CONTRACTOR WILL BE PROVIDED WITH A DIGITAL FILE FOR
LAYOUT OF THE PLAYGROUND ARTIFICIAL TURF DESIGN



REVISION	BY	DATE	DRAWN	LPCI	MAY 2025
			DESIGNED	LPCI	JUL 2024
			SURVEY	FLS	APR 2024
			PROJ. MNGR.	SL	12/19/25
			LEAD ENGR.	SL	12/25
			FIELD MNGR.	SL	1/1/26

PLAYGROUND
EQUIPMENT
SCHEDULE

SHEET
91 OF 119

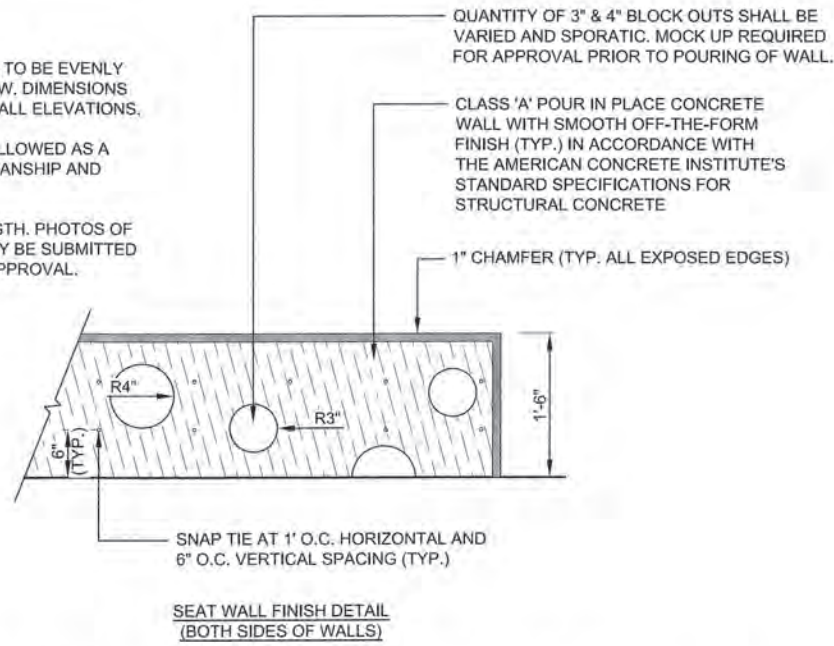


A JOHNSON PARK SIGN WALL AT PLAZA
93

SCALE: 1" = 1'-0"

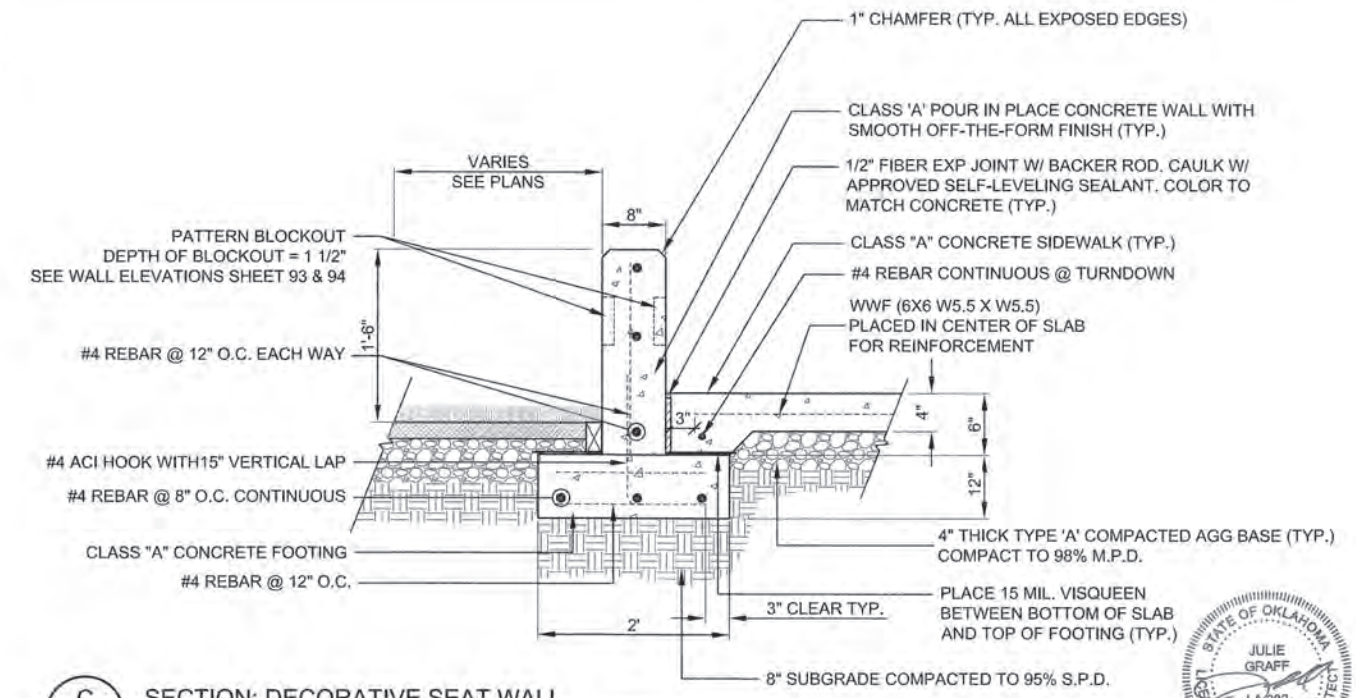
NOTES:

1. V-GROOVE TOOLED JOINTS ARE TO BE EVENLY SPACED AS SHOWN IN PLAN VIEW. DIMENSIONS WILL VARY FROM FLATTENED WALL ELEVATIONS.
2. PARGE COATING WILL NOT BE ALLOWED AS A SUBSTITUTE FOR POOR WORKMANSHIP AND UNEVEN WALLS.
3. MOCK-UP WALL TO BE 4' IN LENGTH. PHOTOS OF PREVIOUS WORK EXAMPLES MAY BE SUBMITTED IN LIEU OF SAMPLE WALL FOR APPROVAL.



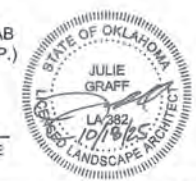
B DECORATIVE SEAT WALLS WITH SIGN: CIRCULAR DESIGN PATTERN
93

NOT TO SCALE

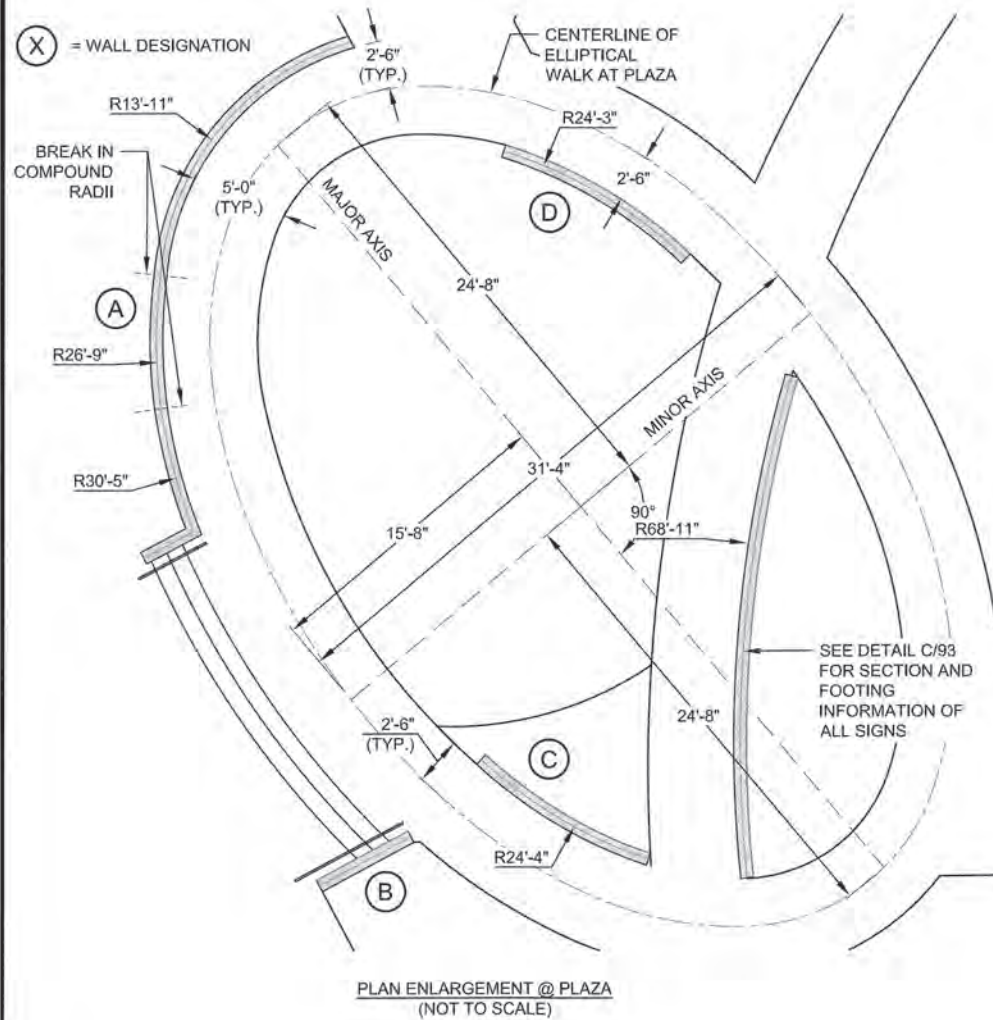
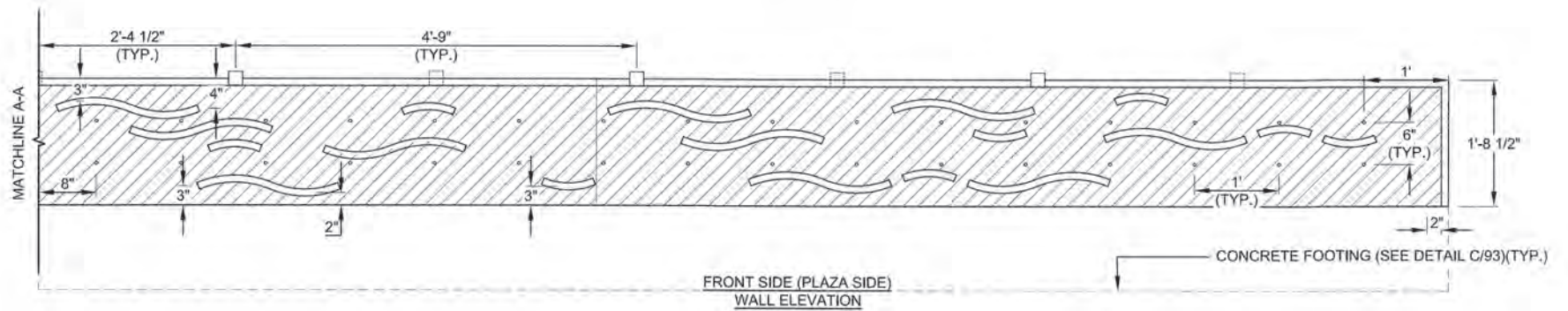
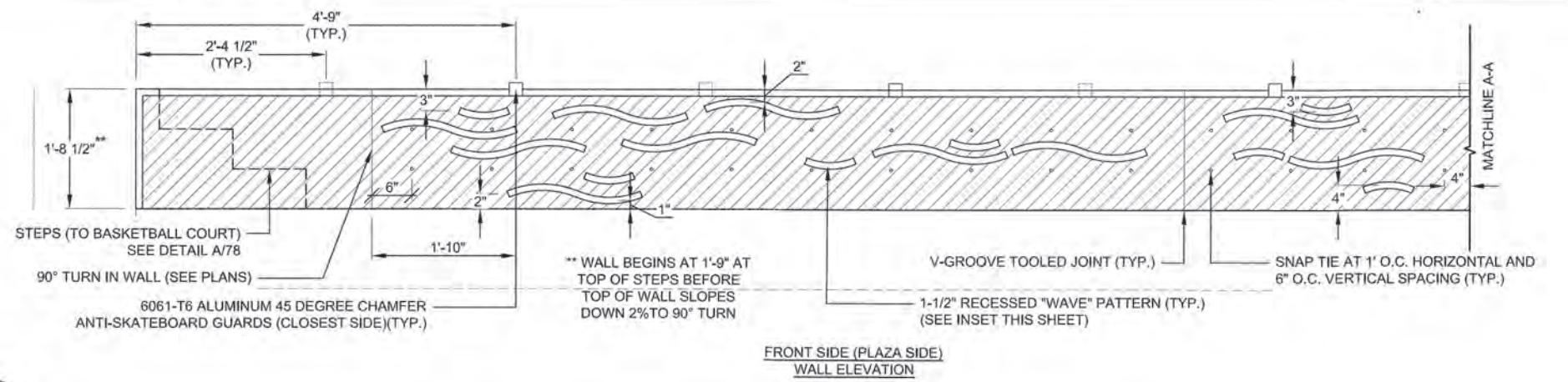
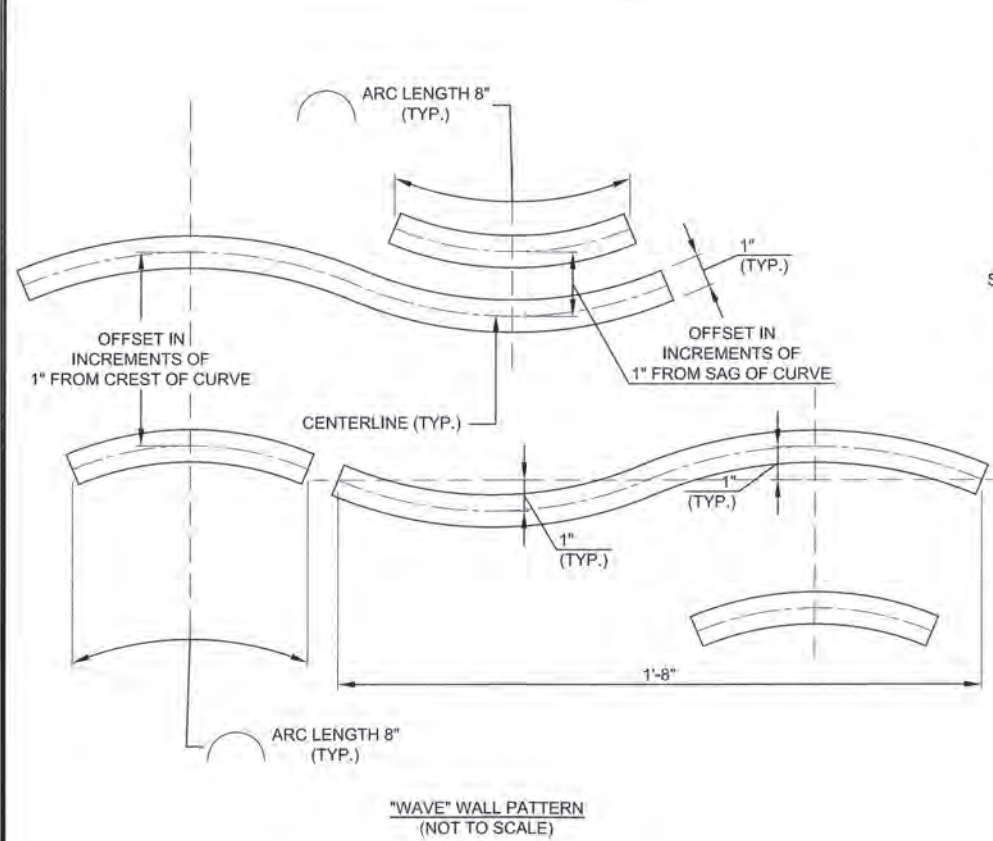


C SECTION: DECORATIVE SEAT WALL
93

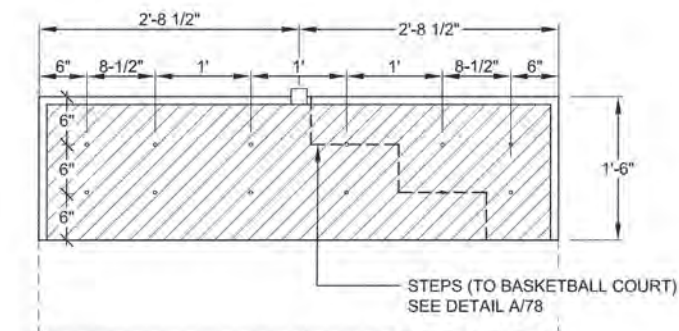
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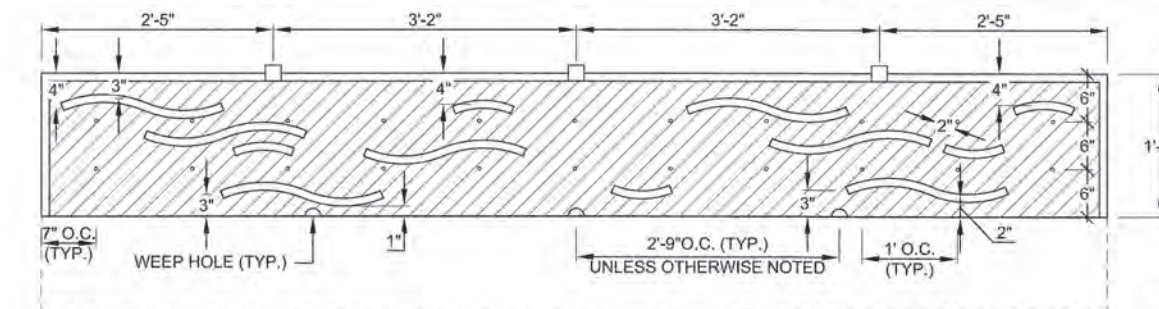
PROJECT # SP 21-6	
FRED JOHNSON PARK	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF PARKS, CULTURE, & RECREATION	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23rd TULSA, OK 74107 918-564-4464	
REVISION	BY DATE
DRAWN	LPCI MAY 2025
DESIGNED	LPCI JUL 2024
SURVEY	FLS APR 2024
PROJ. MGR.	EL 12/10/25
LEAD ENGR.	RA 12/25
FIELD MGR.	RA 1/26
DECORATIVE SEAT WALL DETAILS (1)	
SHEET 93 OF 119	



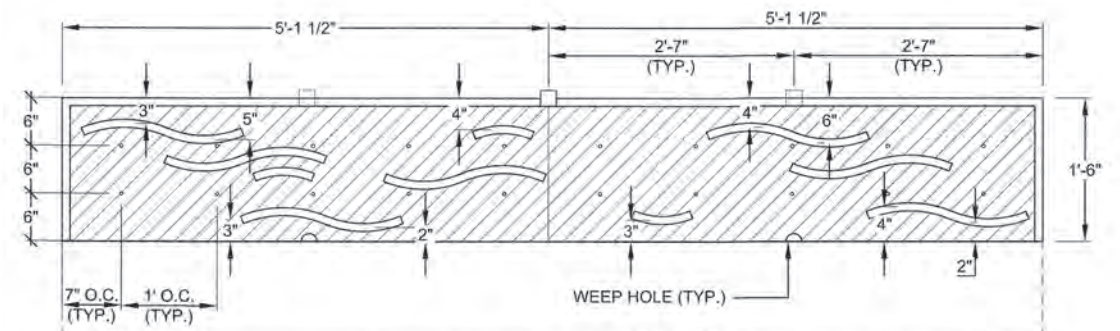
A DECORATIVE SEAT WALL 'A' ELEVATION @ PLAZA



B DECORATIVE SEAT WALL 'B' ELEVATION @ PLAZA



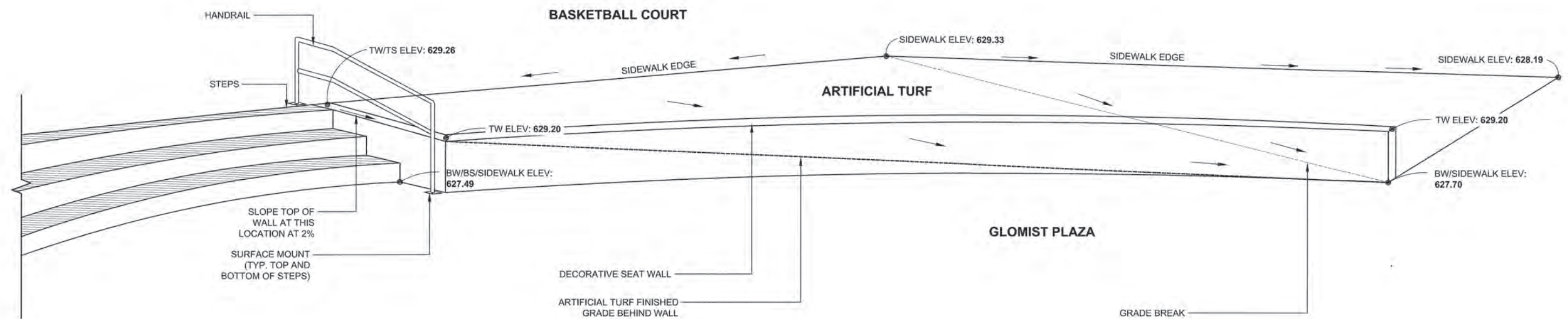
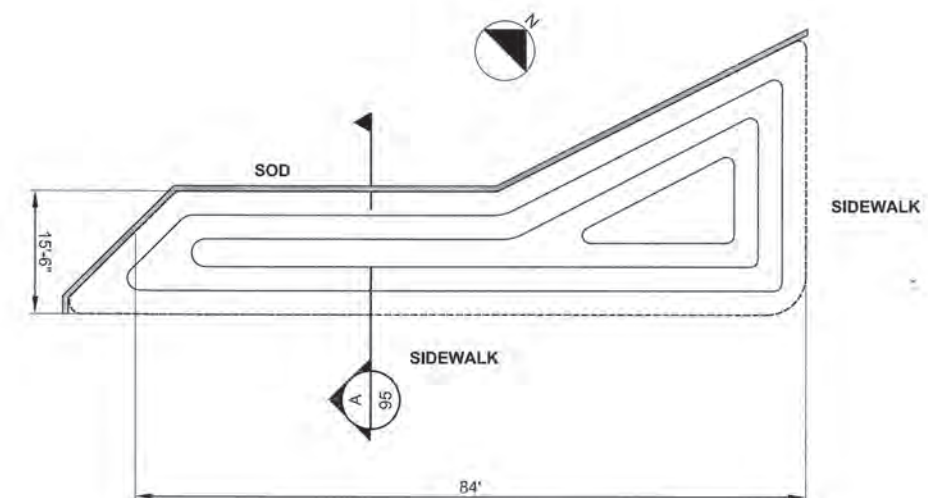
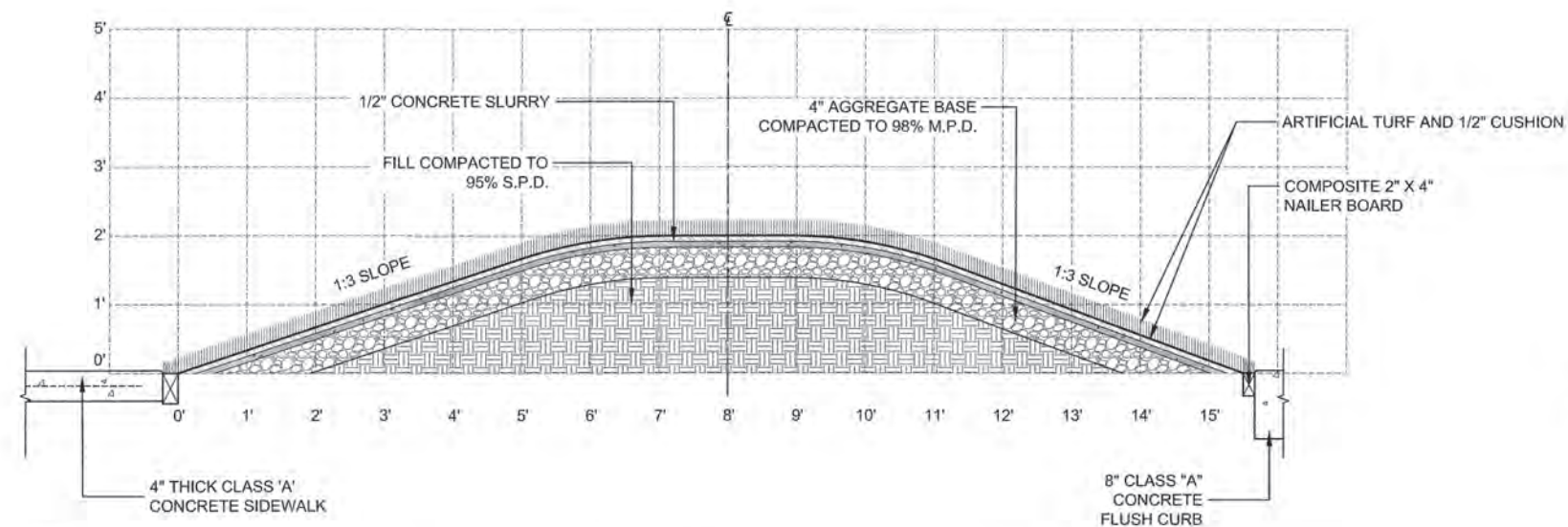
D DECORATIVE SEAT WALL 'D' ELEVATION @ PLAZA



C DECORATIVE SEAT WALL 'C' ELEVATION @ PLAZA



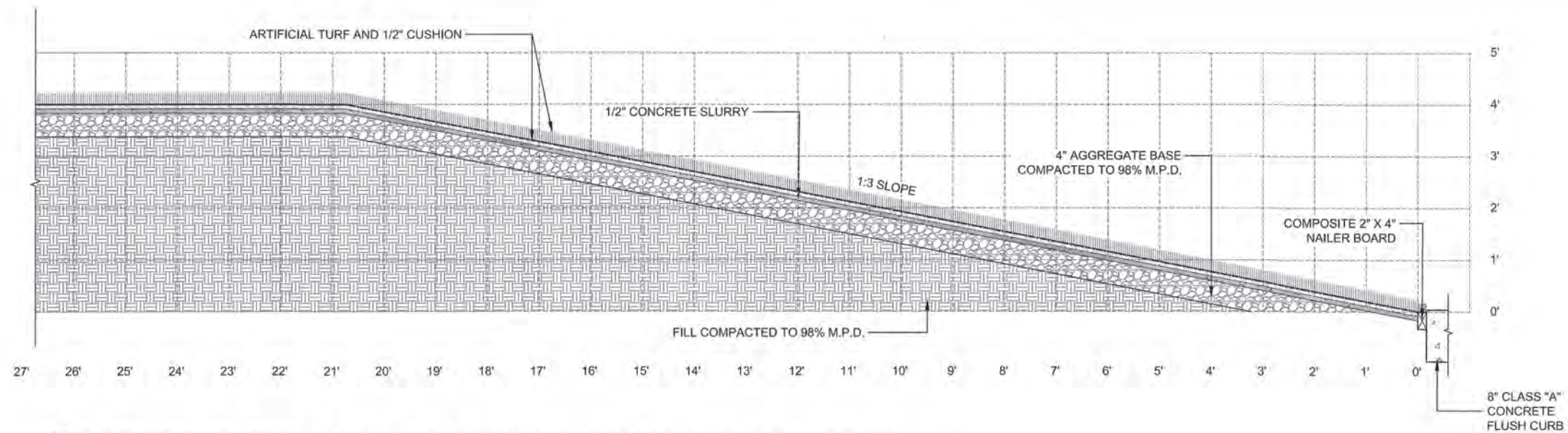
		PROJECT # SP 21-6	
		FRED JOHNSON PARK	
		CITY OF TULSA, OKLAHOMA	
		DEPARTMENT OF PARKS, CULTURE, & RECREATION	
		PLANS AND ESTIMATES PREPARED BY:	
		LANDPLAN CONSULTANTS	
		1110 WEST 23RD TULSA, OK 74107 918-594-6664	
REVISION	BY	DATE	DRAWN
			LPCI MAY 2025
			LPCI JUL 2024
			FLS APR 2024
			PROJ. MGR. 6/12/19/23
			LEAD ENGR. 12/2/25
			FIELD MGR. 1/7/26
DECORATIVE SEAT WALL DETAILS (2)			SHEET
			94 OF 119



B AXONOMETRIC VIEW: WALL A

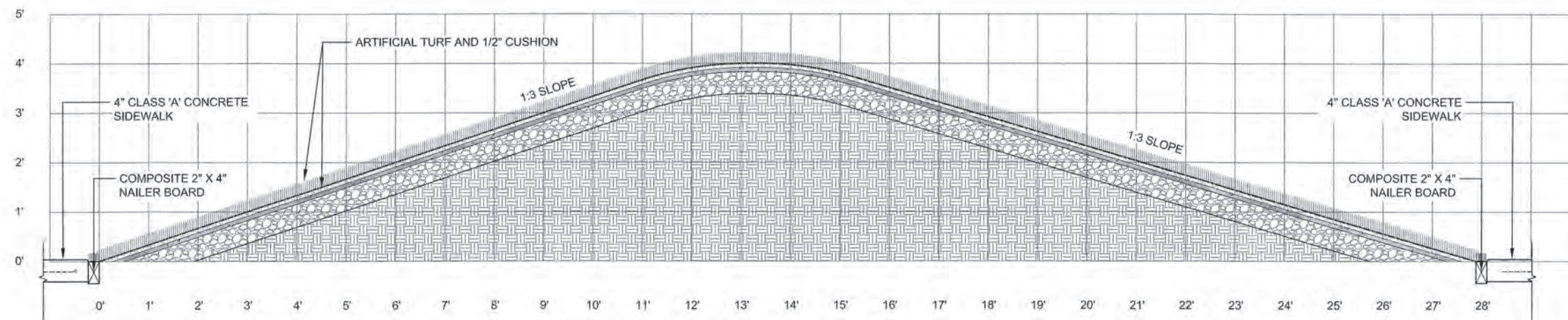


REVISION		BY	DATE	DRAWN	LPCI	MAY 2025	TULSA, OK 74107		918-584-6454		SHEET	
				DESIGNED	LPCI	JUL 2024						
				SURVEY	FLS	APR 2024						
				PROJ. MNGR.	SL	12/10/25						
				LEAD ENGR.	FW	12/25						
				FIELD MNGR.	FW	1/26						
							ARTIFICIAL TURF BERM DETAILS (1)			SHEET 95 OF 119		



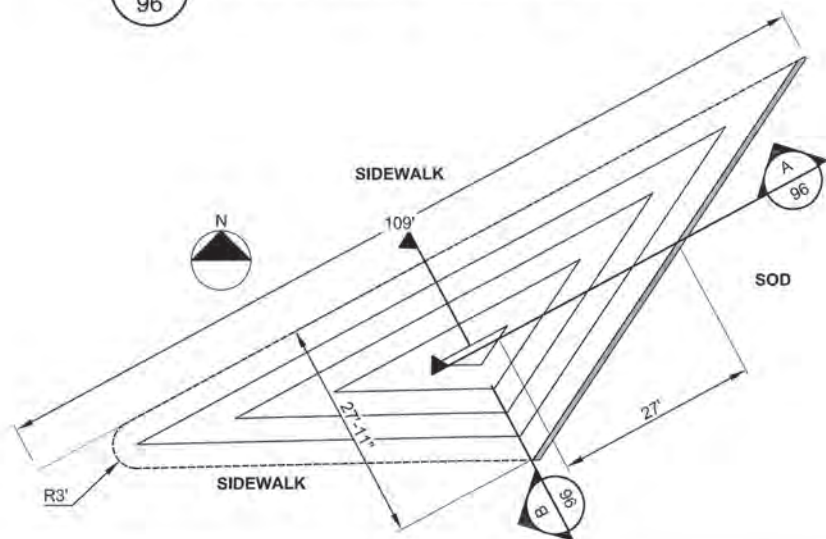
A
96 LONGITUDINAL SECTION: ARTIFICIAL TURF BERM AT PICKLEBALL COURTS (NORTHWEST BERM)

SCALE: 3/4" = 1'-0"



B
96 CROSS SECTION: ARTIFICIAL TURF BERM AT PICKLEBALL COURTS (NORTHWEST BERM)

SCALE: 3/4" = 1'-0"



REVISION				BY	DATE

DRAWN	LPG	MAY 2025
DESIGNED	LPG	JUL 2024
SURVEY	FLS	APR 2024
PROJ. MGR.	SL	12/10/23
LEAD ENG.	SL	12/23
FIELD MGR.	SL	1/26

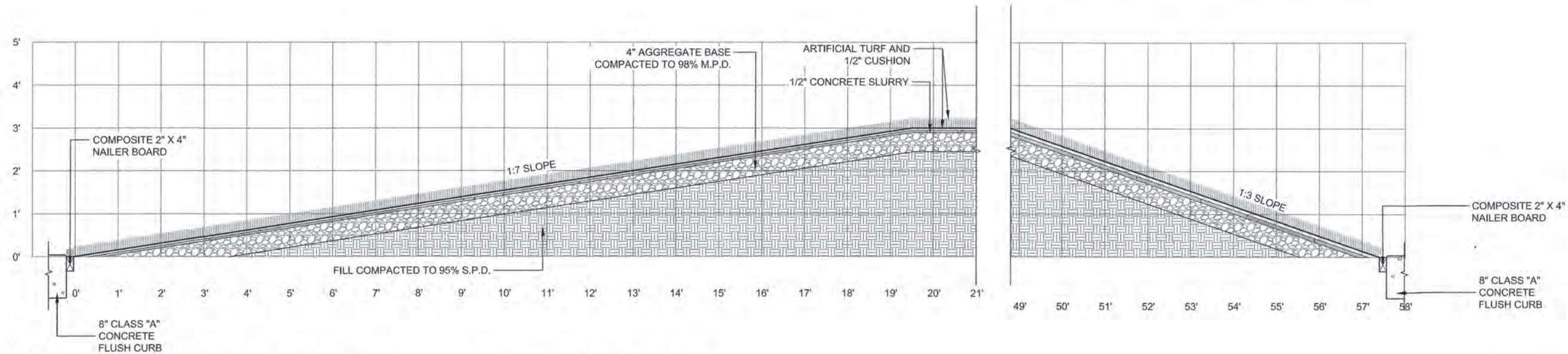
ARTIFICIAL TURF BERM DETAILS (2)	SHEET 96 OF 119
----------------------------------	-----------------

PROJECT # SP 21-6

FRED JOHNSON PARK

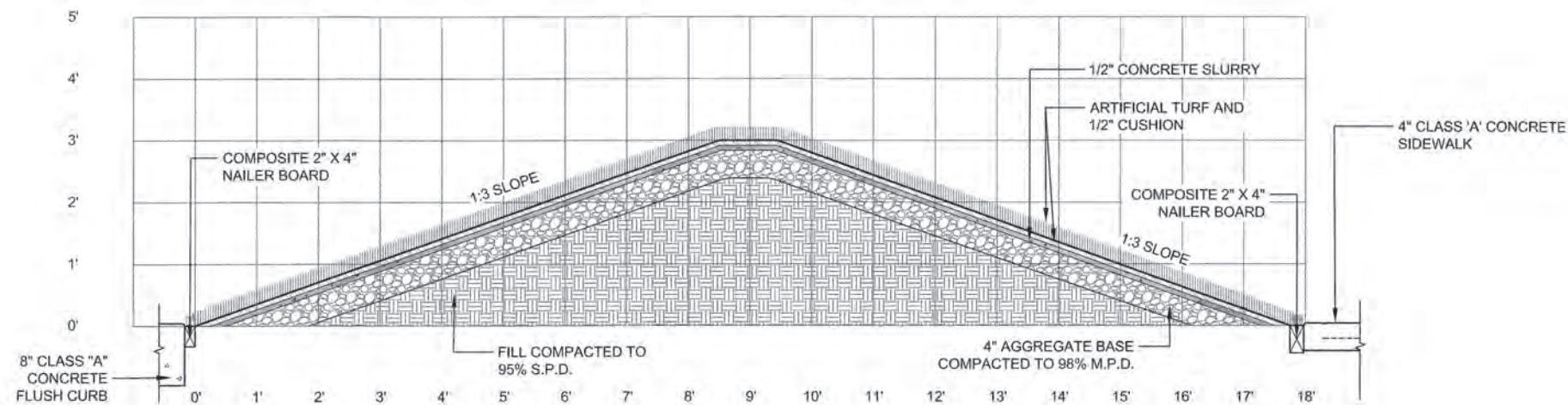
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, & RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23RD TULSA, OK 74107 918-584-6064



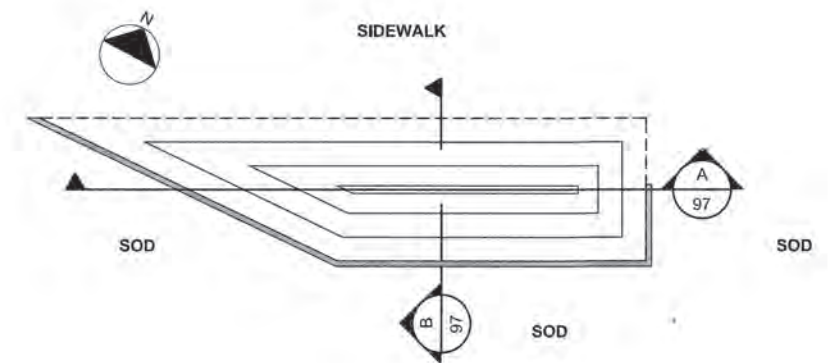
A
97
LONGITUDINAL SECTION: ARTIFICIAL TURF BERM AT PICKLEBALL COURTS (NORTHEAST BERM)

SCALE: 3/4" = 1'-0"



B
97
CROSS SECTION: ARTIFICIAL TURF BERM AT PICKLEBALL COURTS (NORTHEAST BERM)

SCALE: 3/4" = 1'-0"



REVISION		BY	DATE	DRAWN		DATE
				LPCJ	MAY 2025	
				DESIGNED	LPCJ	JUL 2024
				SURVEY	FLS	APR 2024
				PROJ. MNGR:	SL	12/10/23
				LEAD ENGR:	JNV	12/25
				FIELD MNGR:	JNV	1/26
ARTIFICIAL TURF BERM DETAILS (3)						SHEET 97 OF 119

PROJECT # SP 21-6

FRED JOHNSON PARK

CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, & RECREATION

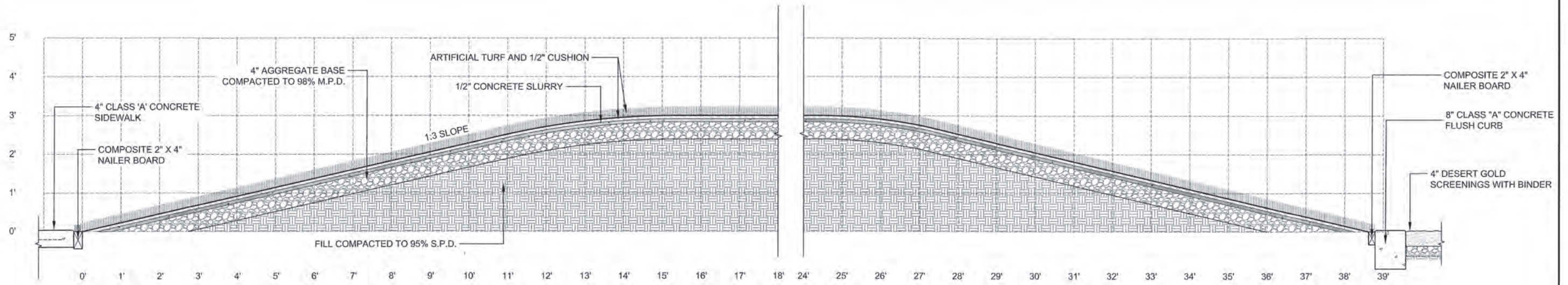
PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS

1110 WEST 23RD TULSA, OK 74107 918-584-6454

DESIGNED BY: JNV
SURVEYED BY: JNV
PROJ. MGR.: JNV
LEAD ENGR.: JNV
FIELD MGR.: JNV

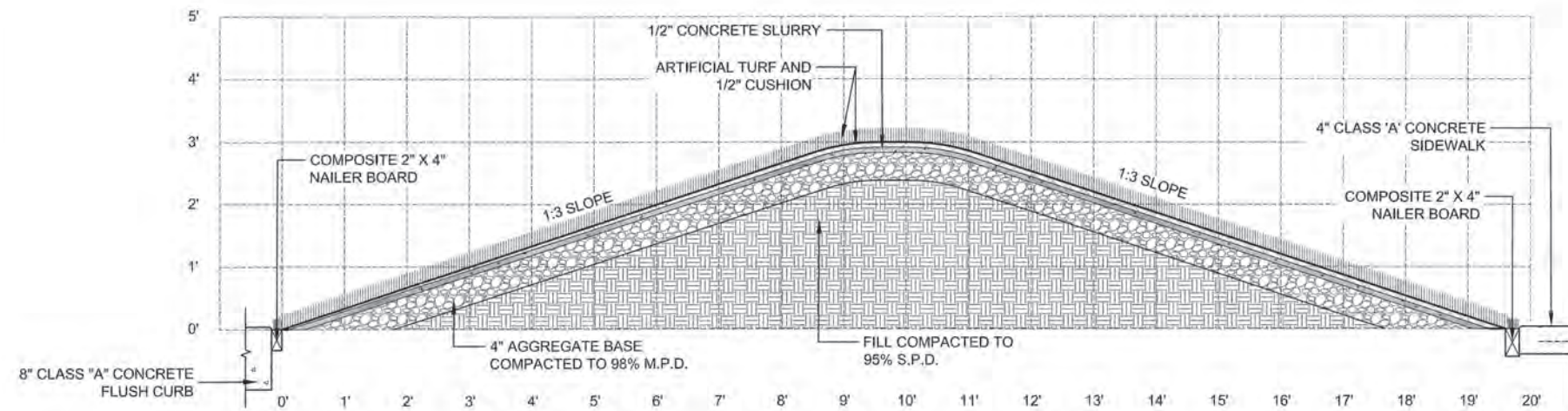
ARTIFICIAL TURF BERM DETAILS (3)

SHEET 97 OF 119



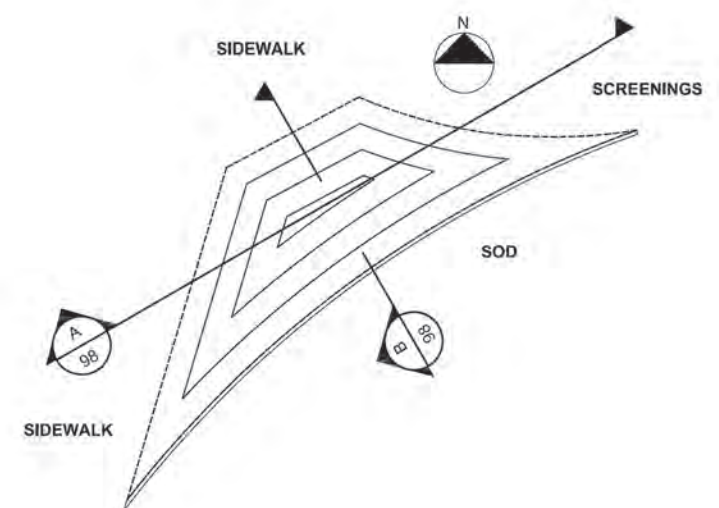
A
98
LONGITUDINAL SECTION: ARTIFICIAL TURF BERM SOUTH OF BASKETBALL COURT

SCALE: 3/4" = 1'-0"

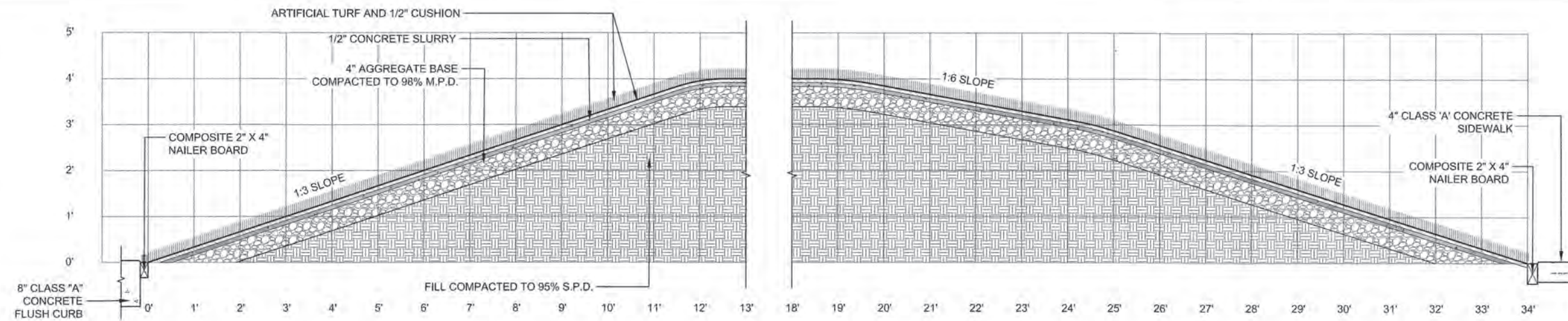


B
98
CROSS SECTION: ARTIFICIAL TURF BERM SOUTH OF BASKETBALL COURT

SCALE: 3/4" = 1'-0"

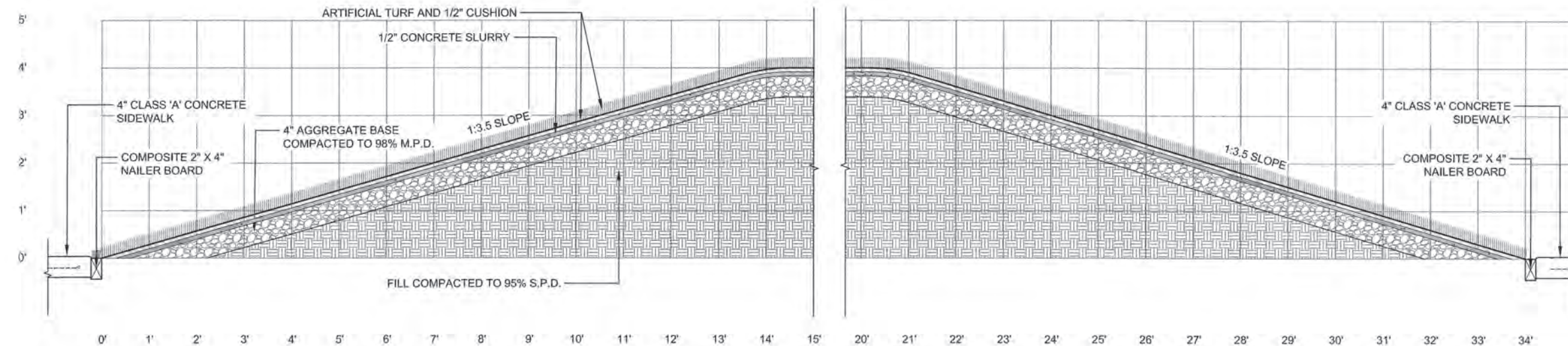


PROJECT # SP 21-6	
FRED JOHNSON PARK	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF PARKS, CULTURE, & RECREATION	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23rd TULSA, OK 74107 918-284-6454	
REVISION	BY DATE
DRAWN	LPCI MAY 2025
DESIGNED	LPCI JUL 2024
SURVEY	FLS APR 2024
PROJ. MGR.	SL 12/10/25
LEAD ENGR.	SL 12/25
FIELD MGR.	SL 1/9/26
ARTIFICIAL TURF BERM DETAILS (4)	
SHEET 98 OF 119	



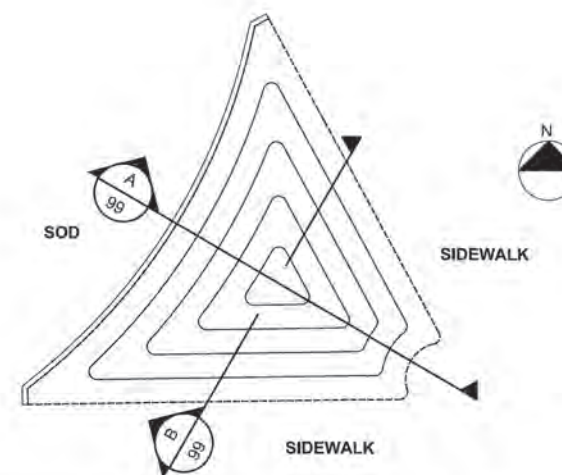
A LONGITUDINAL SECTION: ARTIFICIAL TURF BERM SOUTHWEST OF PICKLEBALL COURTS

SCALE: 3/4" = 1'-0"



B CROSS SECTION: ARTIFICIAL TURF BERM SOUTHWEST OF PICKLEBALL COURTS

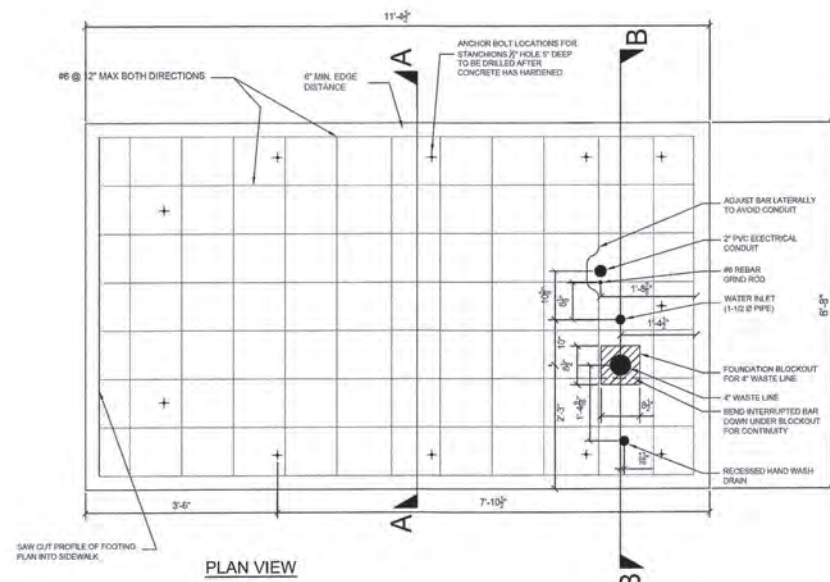
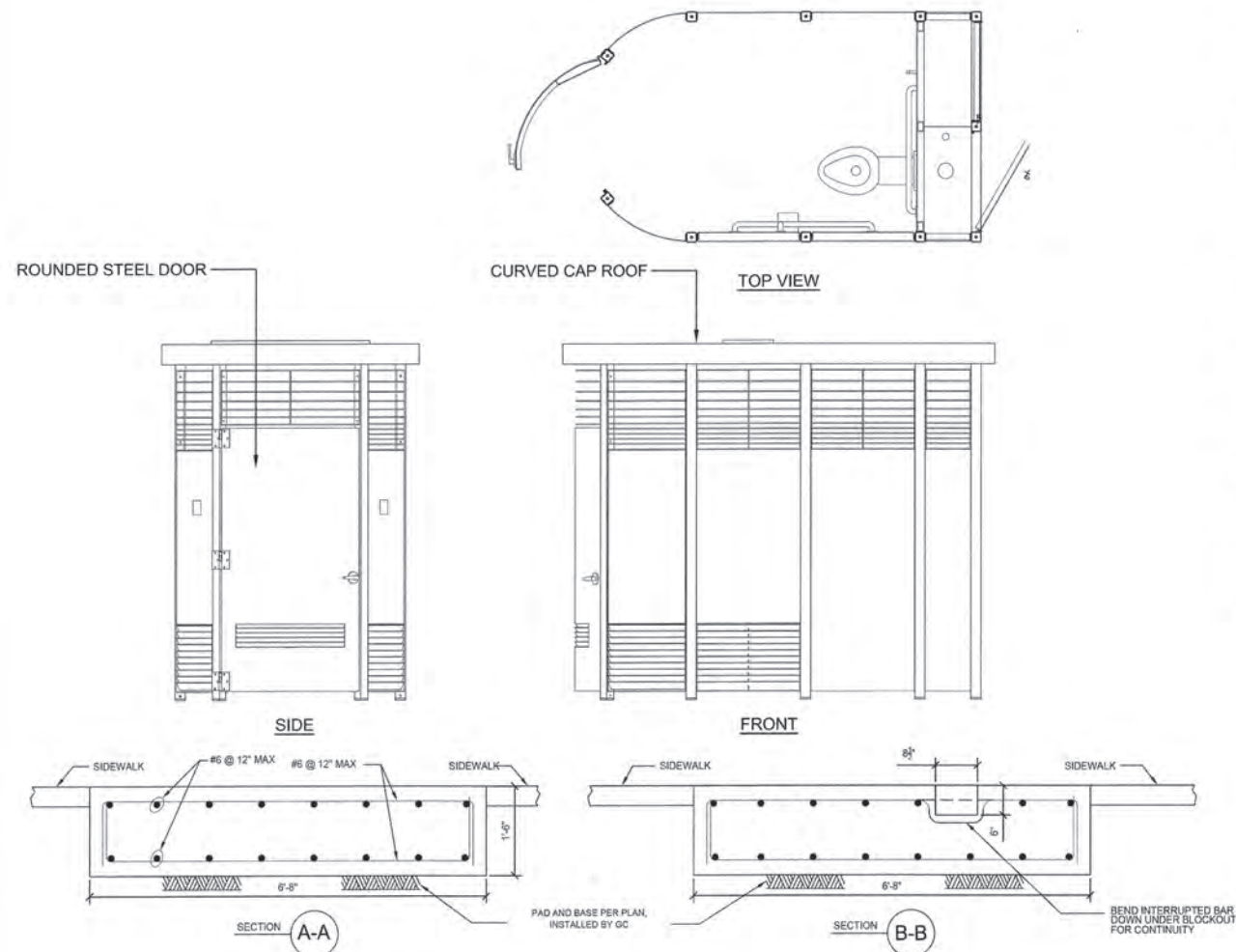
SCALE: 3/4" = 1'-0"



PROJECT # SP 21-6			
FRED JOHNSON PARK			
CITY OF TULSA, OKLAHOMA DEPARTMENT OF PARKS, CULTURE, & RECREATION			
PLANS AND ESTIMATES PREPARED BY:			
LANDPLAN CONSULTANTS			
1110 WEST 23rd	TULSA, OK 74107	918-584-6551	
REVISION	BY	DATE	
DRAWN	LPCJ	MAY 2025	
DESIGNED	LPCJ	JUL 2024	
SURVEY	FLS	APR 2024	
PROJ. MGR.	SL	12/10/25	
LEAD ENGR.	SL	12/12/25	
FIELD MGR.	SL	1/1/26	
ARTIFICIAL TURF BERM DETAILS (5)			SHEET 99 OF 119



THE PORTLAND LOO
2550 NW 25TH PLACE
PORTLAND, OR 97210
PHONE: (503) 298-6032
www.portlandloo.com



GENERAL NOTES:

1. Provide all materials and perform all work according to the current edition of the Specifications of the Authority Having Jurisdiction.
2. All concrete shall be Structural Class 4000, FC = 4000 PSI.
3. All reinforcing steel shall conform to ASTM A706 or A615 Grade 60.
4. Place bars 3 inches clear of the nearest face of concrete unless shown otherwise.
5. Concrete footing may be poured integrally with 4' sidewalk, providing a deep cut tool joint is located around perimeter of footing.
6. Stanchions section "A-A" / A1.0 to be fastened to the concrete using 5/8" hole for 1/2" x 5 SS TITEN HD 3.5" embedded min. The Loos columns to be fastened to the stanchions.
7. Location of anchor bolts to be located and drilled using template provided before installation by Madden Fabrication.
8. For Grade/Slope and location of floor drains see civil plans.



PORTLAND LOO IMAGE



HAND WASH STATION

SPECIFICATIONS:

- STAINLESS STEEL CONSTRUCTION THAT CAN BE EXPECTED TO LAST 100 YEARS WITH PROPER MAINTENANCE.
- CONNECTED TO WATER AND SEWER, THE RESTROOM USES MINIMAL UTILITIES AND PROVIDES A HAND WASHING STATION AND BOTTLE FILLER ON THE OUTSIDE OF THE RESTROOM.
- ANTI-GRAFFITI COATING, AND BLUE LIGHTS ARE USED TO PREVENT DRUG USE AND OPEN LOUVERS ARE USED TO PREVENT CRIME ALONG WITH CRIME PREVENTION THROUGH ENVIRONMENTAL DESIGN (CPTED) PRINCIPLES.

PORTLAND LOO RESTROOM NOTES:

1. CONTRACTOR SHALL INSTALL RESTROOMS AND ALL NECESSARY FOUNDATIONS, UTILITIES, DRAINS, EQUIPMENT, AND APPURTENANCES. COORDINATE SELECTION AND LOCATION OF WASH-OUT DRAIN WITH MANUFACTURER AND OWNER'S REPRESENTATIVE.
2. PORTLAND LOO DETAILS ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT FOR CONSTRUCTION. INSTALL RESTROOMS, FOUNDATION, AND UTILITIES IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
3. INSTALL RESTROOMS IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES AND STANDARDS.
4. CONTACT EVAN MADDEN (emadden@portlandloo.com OR 503-226-4990) FOR PORTLAND LOO MANUFACTURER'S INSTRUCTIONS, DETAILS, AND SPECIFICATIONS.
5. PLEASE CONTACT MANUFACTURER FOR ALL COLOR OPTIONS.
6. INCLUDE A 24" CAN AND VALVE WITH DRAIN DOWN FOR WINTERIZATION.

A PORTLAND LOO - MANUFACTURER'S DETAIL

100

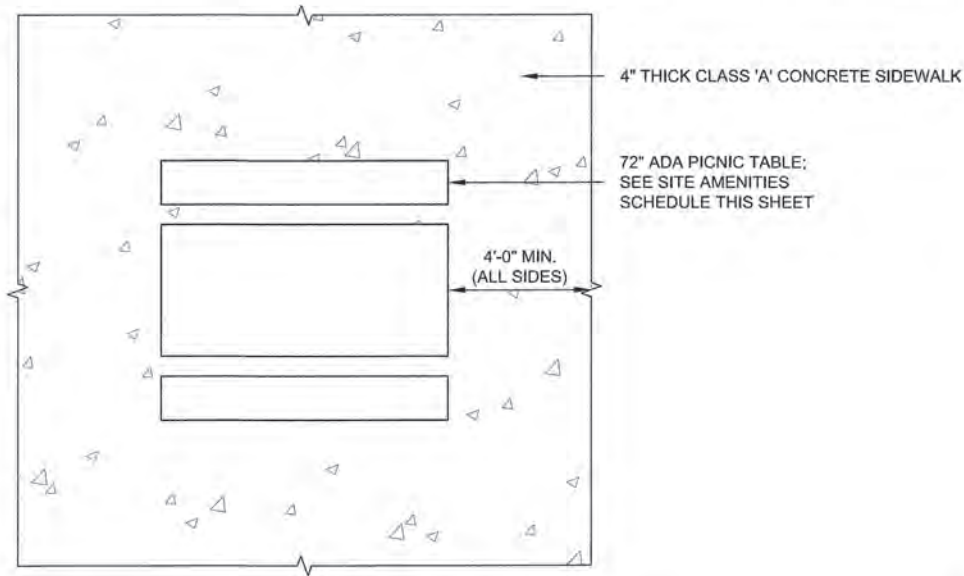
NOT TO SCALE



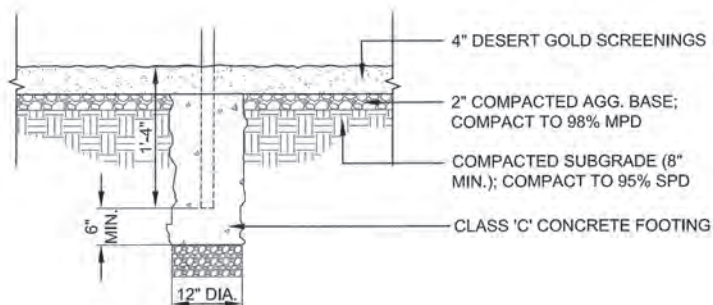
PROJECT # SP 21-6									
FRED JOHNSON PARK									
CITY OF TULSA, OKLAHOMA									
DEPARTMENT OF PARKS, CULTURE, & RECREATION									
PLANS AND ESTIMATES PREPARED BY:									
LANDPLAN CONSULTANTS									
1110 WEST 23rd	TULSA, OK 74107	918-584-6464							
DESIGNED	LPCI	MAY 2025							
DRAWN	LPCI	JUL 2024							
SURVEY	FLS	APR 2024							
PROJ. MNGR.	SL	12/10/25							
LEAD ENGR.	SL	12/25							
FIELD MNGR.	SL	1/16							
PORTLAND LOO DETAILS								SHEET	
								100 OF 119	



A 72" ADA PICNIC TABLE
101 NOT TO SCALE



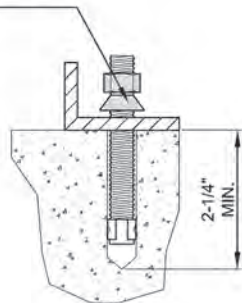
C 72" A.D.A. PICNIC TABLE ON CONCRETE SLAB/SIDEWALK
101 NOT TO SCALE



NOTE:
*SEE PLANS FOR SCREENINGS LOCATIONS WITH AND WITHOUT BINDER

F BENCH IN SCREENINGS (DOG PARK)
101 NOT TO SCALE

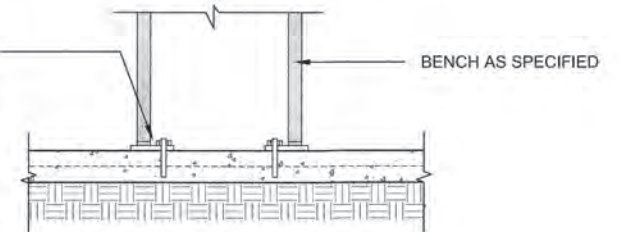
A GENERAL PURPOSE FRANGIBLE (BREAK-A-WAY) NUT PART NO. VCN 151-8 1/2" SIMI FASTENING SYSTEM @ SIMIFAST.COM 1(800) 959-8256
CONTRACTOR SHALL CUT THE ANCHOR BOLT FLUSH WITH THE TOP OF THE CONE PORTION OF THE FRANGIBLE NUT AFTER THE HEXAGONAL PORTION OF THE FLANGIBLE NUT HAS BROKEN AWAY



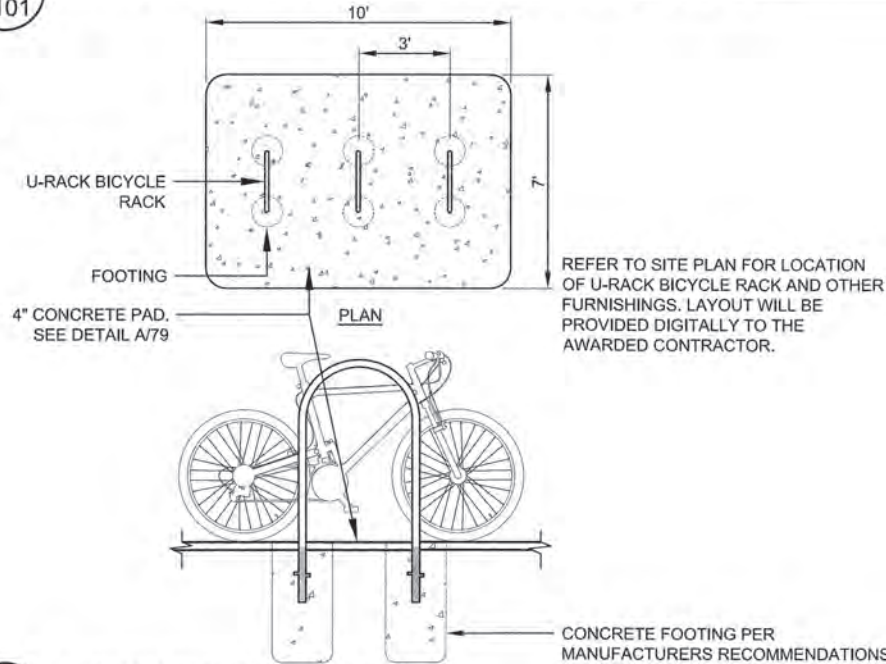
MECHANICAL ANCHOR

ATTACH FURNITURE WITH (4) 1/2" DIA. X 3 3/4" LONG HEAVY DUTY MECHANICAL ANCHORS. SIMPSON "STRONG-TIE" ANCHOR SYSTEMS - 304SS 1/2" X 3 3/4" (WEDGE ALL PART NO. WA503344SS) OR APPROVED EQUAL. INSTALL PER MFR'S. RECOMMENDATION. THE NUT USED WITH THE WEDGE-ALL WEDGE ANCHOR SYSTEM SHALL BE 1/2" STEEL, DIE CAST FROM SIMI FASTENING SYSTEMS, PART NO. VCN151-8--SIMIFAST.COM (OR APPROVED EQUAL) SEE ENLARGEMENT THIS DETAIL

- NOTE:
- 1) SEE TYPICAL PAVING SECTION INFORMATION AND FINISHING NOTES ON SIDEWALK AREA.
 - 2) THE QUANTITIES FOR CONCRETE AREA WILL BE INCLUDED IN THE 4" CLASS 'A' CONCRETE SIDEWALK PAY ITEM.



B SECTION - FURNITURE INSTALLATION ON CONCRETE
101 NOT TO SCALE



D U-RACK BICYCLE RACK
101 NOT TO SCALE



E 72" BENCH WITH BACK AND ARMS "OR EQUAL"
101 NOT TO SCALE

SITE AMENITIES SCHEDULE

ITEM	DESCRIPTION	MANUFACTURER	CONTACT	MODEL #	COLOR	NOTES	QTY.
1	72" BENCH WITH BACK AND ARMS	Bedford Technology tecluradesigns.com	1-800-721-9037	1501 SURFACE MOUNT WITH TAMPER-PROOF BOLTS	BLACK FRAME SLATS (TBD)	SURFACE MOUNT AND IN-GROUND MOUNT	46
2	72" A.D.A. PICNIC TABLE	Bedford Technology tecluradesigns.com	1-800-721-9037	1701 SURFACE MOUNT WITH TAMPER-PROOF BOLTS	BLACK FRAME SLATS (TBD)	SURFACE MOUNT	11
3	U-RACK BICYCLE RACK	Cycle Safe cyclesafe.com	1-616-954-9977	12707: IN-GROUND MOUNT	RAL 9017	POWDER-COATED, IN-GROUND MOUNTING	9

FURNITURE INSTALLATION NOTES

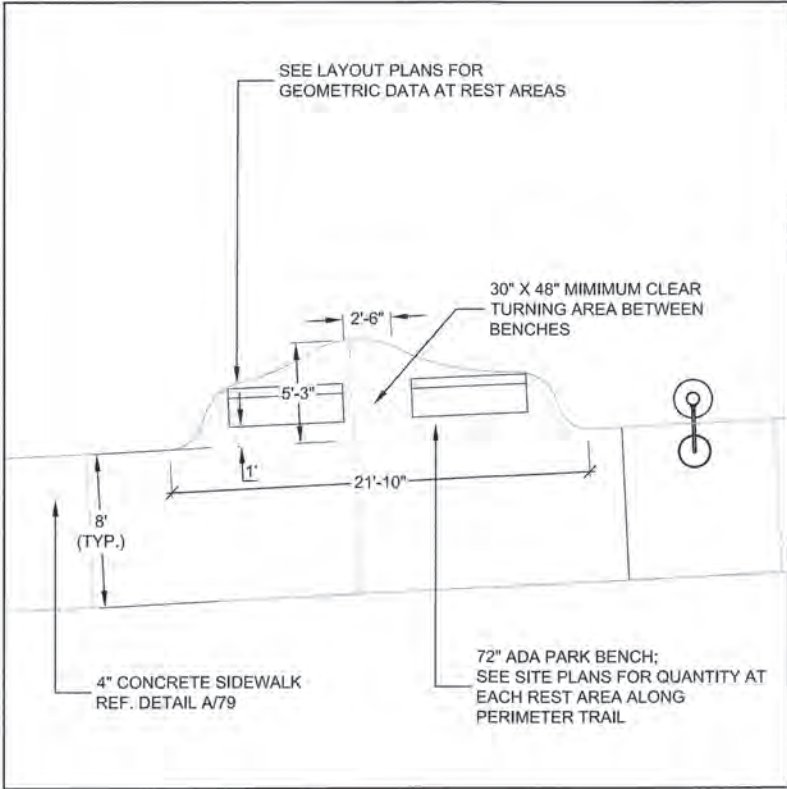
- 1) SITE FURNITURE WILL BE PURCHASED BY CONTRACTOR AND INSTALLED BY CONTRACTOR AS SHOWN IN PLANS.
- 2) CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE THE FINISH OF THE SITE FURNITURE DURING INSTALLATION.
- 3) CONTRACTOR SHALL MOUNT EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS. MOUNTING AND ASSEMBLY INSTRUCTIONS SHALL BE OBTAINED FROM MANUFACTURER PRIOR TO INSTALLATION. SOME ASSEMBLY REQUIRED.



REVISION				BY	DATE
DRAWN				LPCI	MAY 2025
DESIGNED				LPCI	JUL 2024
SURVEY				FLS	APR 2024
PROJ. MGR.				SL	12/10/25
LEAD ENGR.				SL	12/25
FIELD MGR.				SL	1/16

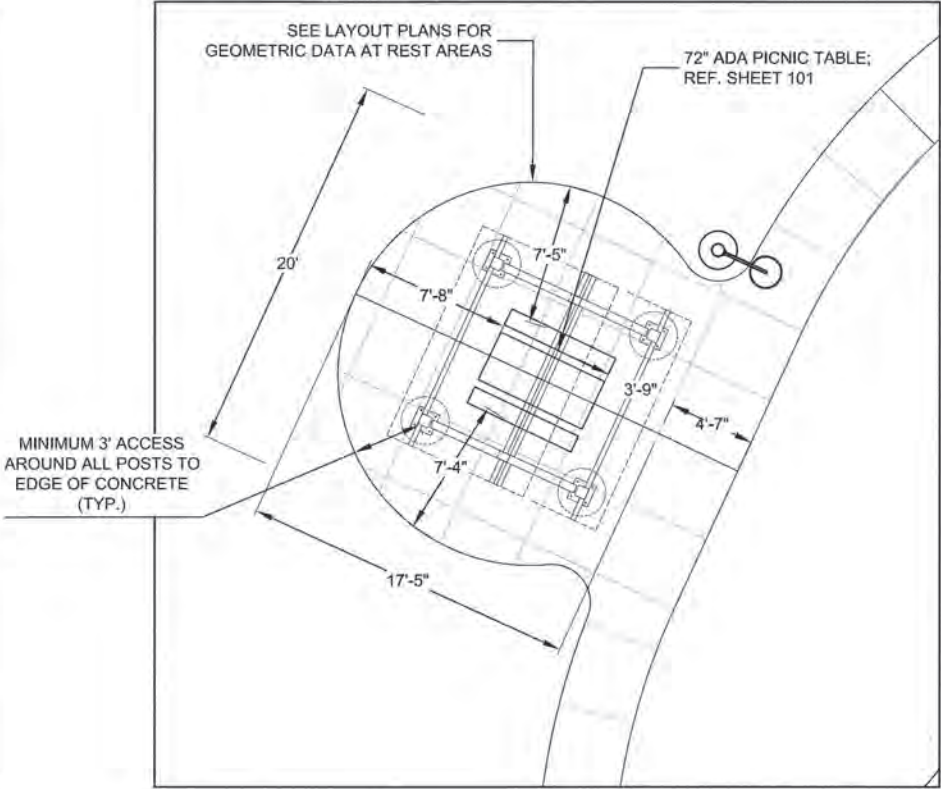
PROJECT # SP 21-6	
FRED JOHNSON PARK	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF PARKS, CULTURE, & RECREATION	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23rd TULSA, OK 74107 918-584-6454	
SITE AMENITIES DETAILS	
SHEET 101 OF 119	

NOTES:
BENCHES TO BE MOUNTED A MINIMUM OF 1'-0"
FROM THE EDGE OF PAVEMENT.



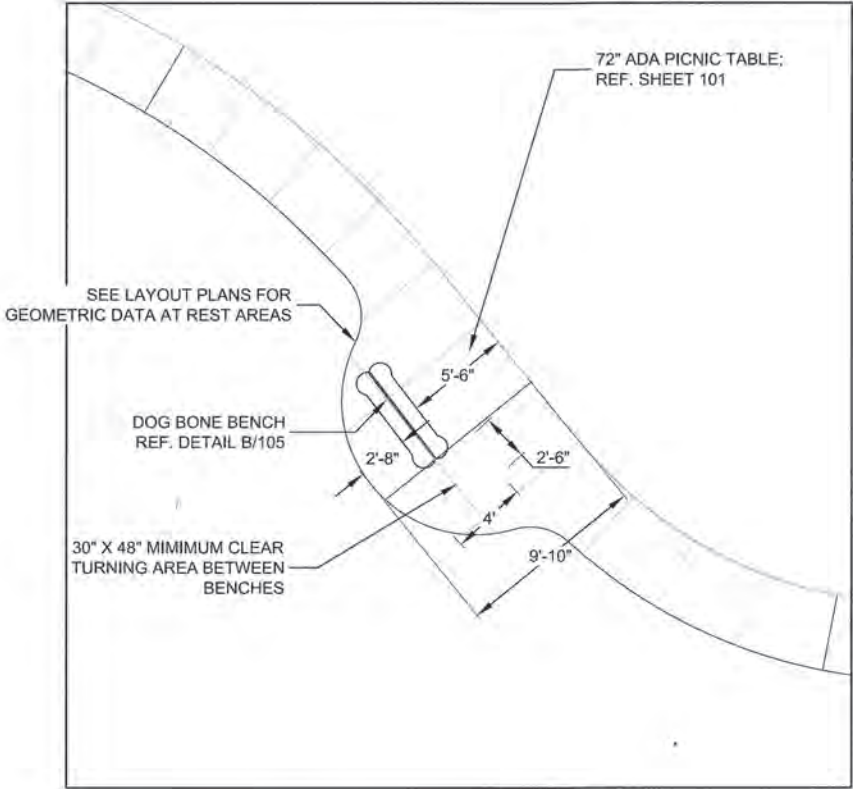
A TYPICAL REST AREA ACCESSIBILITY
102 (PERIMETER SIDEWALK)

SCALE: 1" = 5'-0"



B TYPICAL REST AREA ACCESSIBILITY
102 (DOG PARK SHELTERS)

SCALE: 1" = 5'-0"



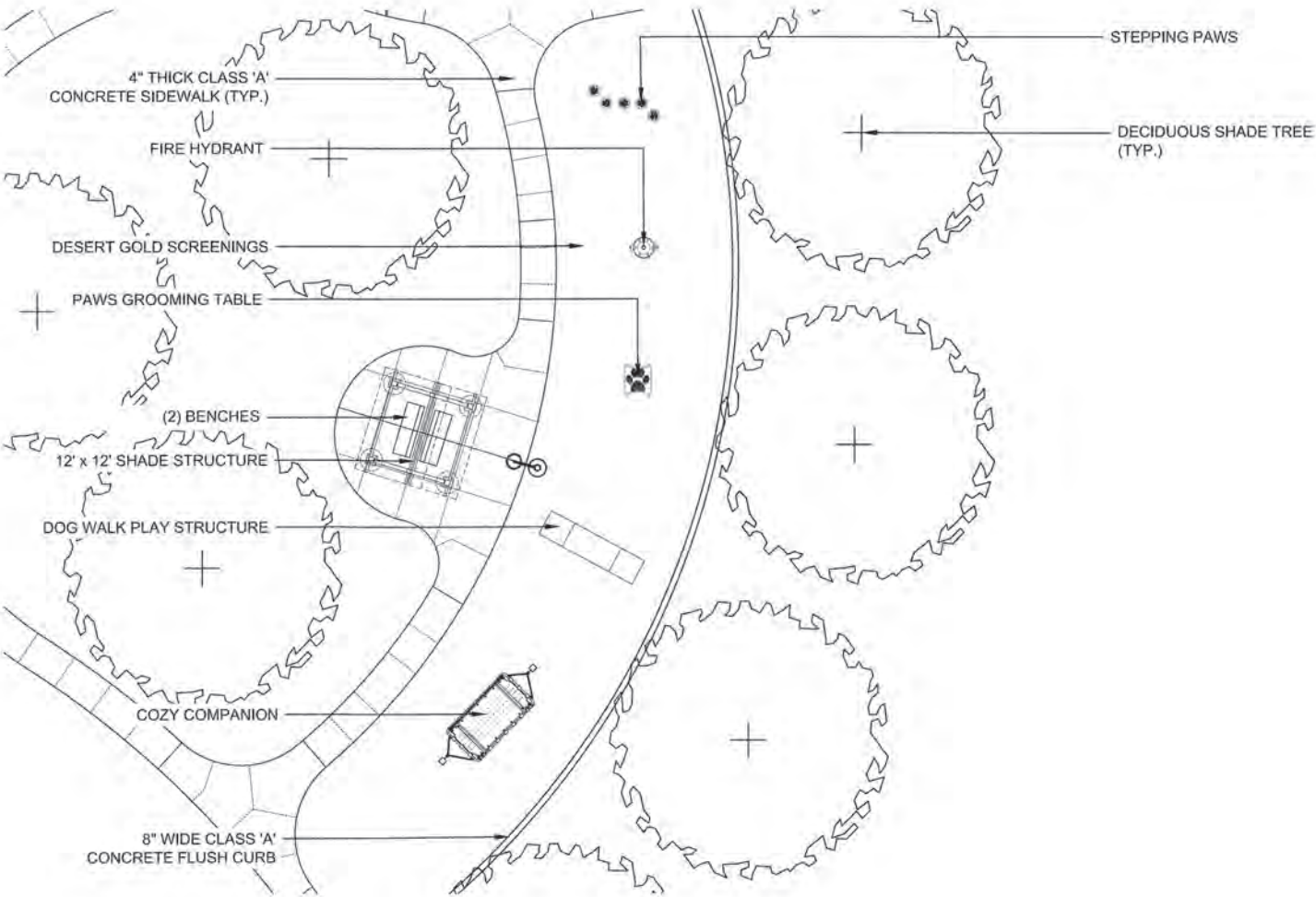
C TYPICAL REST AREA ACCESSIBILITY
102 (DOG BONE BENCHES)

SCALE: 1" = 5'-0"

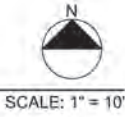


PROJECT # SP 21-6	
FRED JOHNSON PARK	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF PARKS, CULTURE, & RECREATION	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23rd TULSA, OK 74107 918-584-6464	
REVISION	BY DATE
DRAWN	LPG MAY 2023
DESIGNED	LPG JUL 2024
SURVEY	FLS APR 2024
PROD. MGR.	SL 12/10/25
LEAD ENGR.	SL 12/26
FIELD MGR.	SL 1/26
TYPICAL REST AREA DETAILS	
SHEET 102 OF 119	

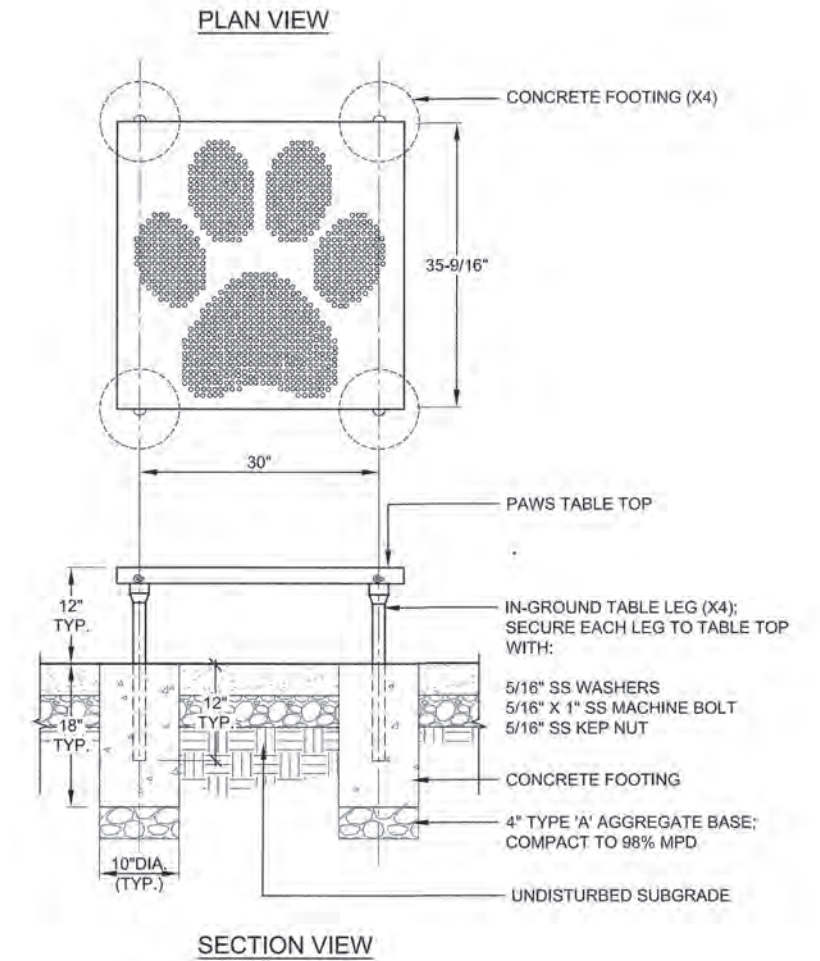
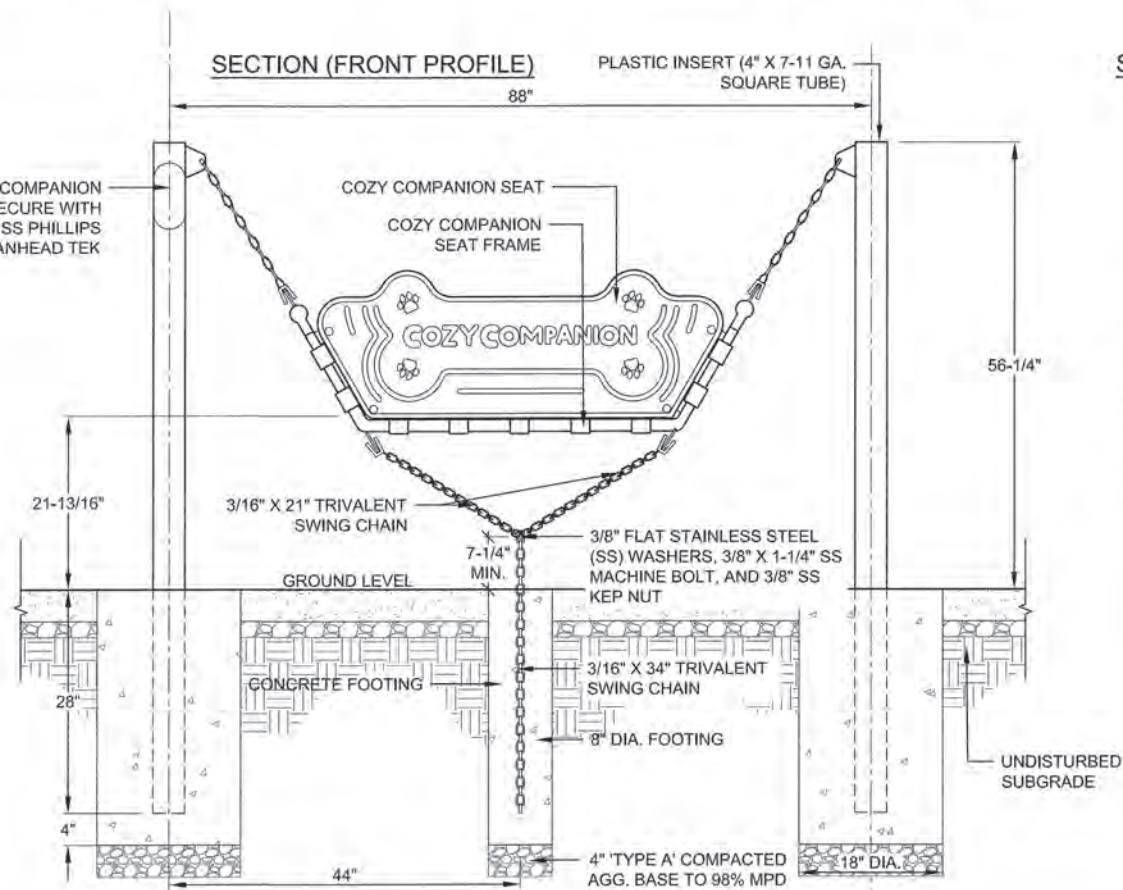
NOTE:
REFER TO DOG PARK DETAILS (SHEETS 103-107); ALL DOG
PLAY STRUCTURES WILL BE BY BARK PARK OR APPROVED
EQUAL.



A
103 DOG PARK DOG PLAY AREA



PROJECT # SP 21-6	
FRED JOHNSON PARK	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF PARKS, CULTURE, & RECREATION	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23rd TULSA, OK 74107 918-584-6454	
REVISION	BY DATE
DRAWN	LPCI MAY 2025
DESIGNED	LPCI JUL 2024
SURVEY	FLS APR 2024
PROD. MGR.	EL 12/10/25
LEAD ENGR.	BA 12-1-25
FIELD MGR.	JW 1/16
DOG PARK DETAILS (1)	
SHEET 103 OF 119	

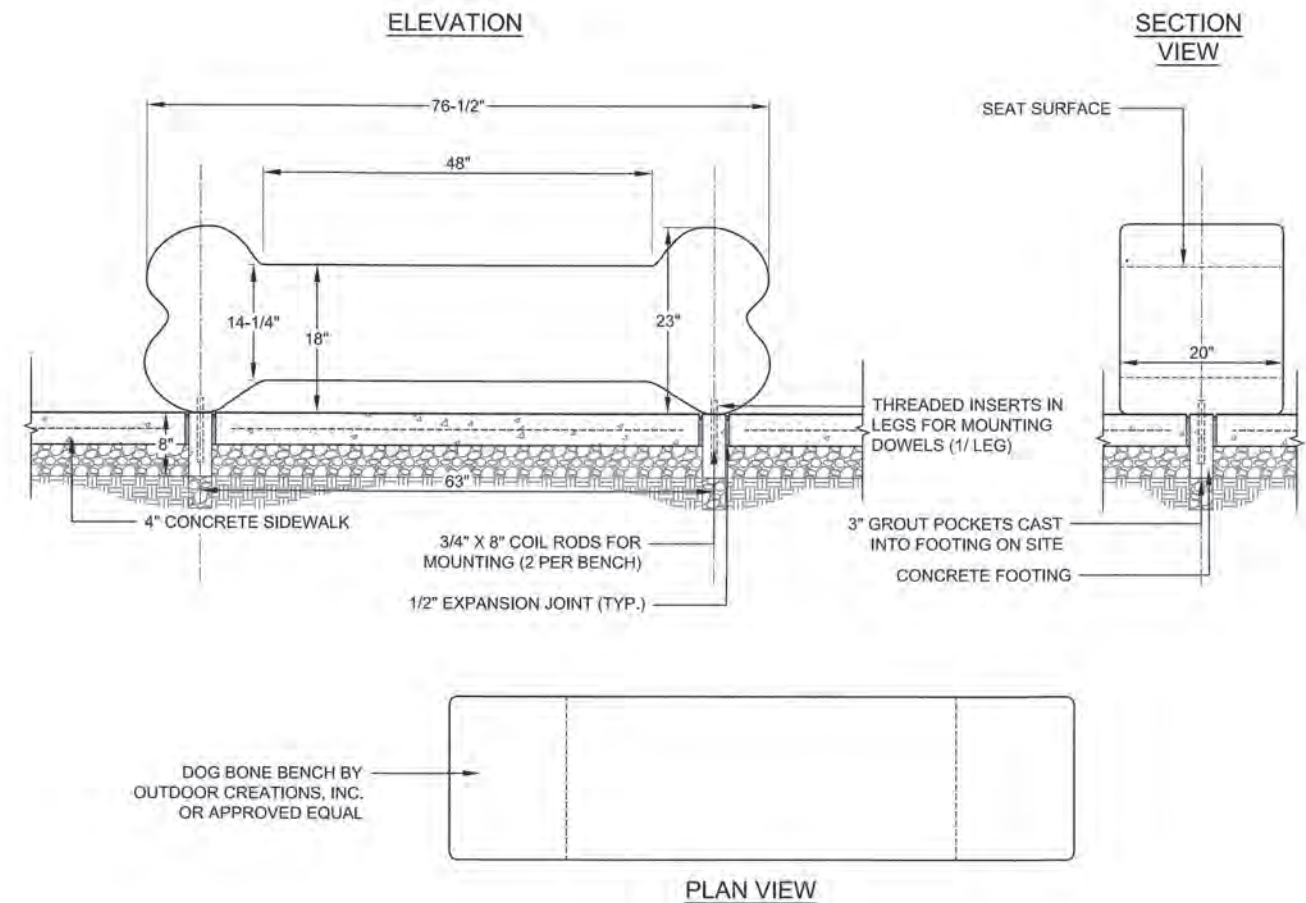
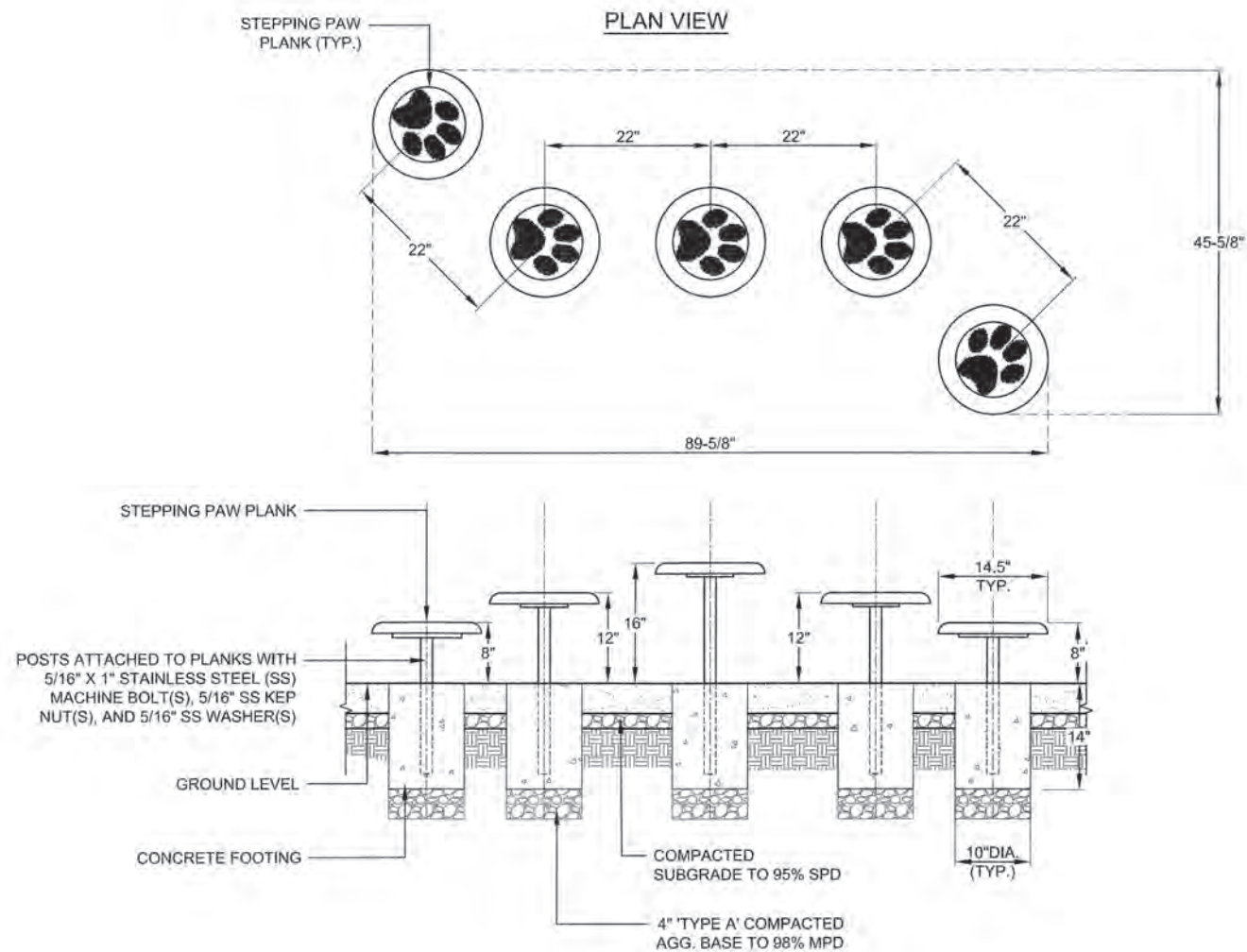


SCALE: 1" = 1'-0"

SCALE: 1" = 1'-0"

PROJECT # SP 21-6	
FRED JOHNSON PARK	
CITY OF TULSA, OKLAHOMA	
DEPARTMENT OF PARKS, CULTURE, & RECREATION	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS	
1110 WEST 23 RD	919-584-6464
TULSA, OK 74101	
DRAWN	LPCI MAY 2005
DESIGNED	LPCI JUL 2004
SURVEY	FLS APR 2004
PROJ. MGR:	SL 12/10/25
LEAD ENGR:	SL 12/25
FIELD MGR:	SL 1/16
DOG PARK DETAILS (2)	SHEET 104 OF 119





NOTES:

1. CONCRETE MIX DESIGN TO INCLUDE A MIXTURE OF PORTLAND CEMENT, WATER, COARSE AND FINE AGGREGATES, PURE MINERAL OXIDE COLORING AGENTS (WHEN APPLICABLE) TO YIELD A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI.
2. FINAL PRODUCT SHALL BE REINFORCED WITH #4 AND #5 REBAR GRID.
3. PRODUCT IS CAST IN 1-PIECE WITH NO ASSEMBLY REQUIRED.
4. HAIRLINE CRACKS MAY DEVELOP OVER TIME. THESE ARE NOT STRUCTURAL FAILURES, BUT INHERENT CHARACTERISTICS OF THE MATERIAL ITSELF.
5. AIR POCKETS ARE A COMMON OCCURRENCE IN PRECAST PRODUCTS. THE FREQUENCY AND SIZE OF AIR POCKETS ARE VARIABLE AND TO BE EXPECTED, ESPECIALLY ON VERTICAL SURFACES.
6. CONCRETE CORNERS AND EDGES WILL CHIP IF NOT HANDLED ACCORDING TO GUIDELINES. PATCH KITS ARE AVAILABLE BUT MAY OR MAY NOT BLEND AND CAN BE VARIABLE.
7. THERE IS A LEVEL OF CARE AND MAINTENANCE ASSOCIATED WITH YOUR PRODUCT AND IS THE RESPONSIBILITY OF THE END USER. CHOOSING THE RIGHT SEALER CAN HELP MINIMIZE THOSE COSTS.
8. **BENCH MUST BE MECHANICALLY ATTACHED**
9. **WEIGHT: 2300 LBS.**

BENCH INSTALLATION:

THIS BENCH MODEL WILL HAVE CAST IN THREADED INSERTS IN THE BOTTOM OF EACH LEG. BENCH WILL BE SUPPLIED WITH COIL ROD FOR MECHANICAL ATTACHMENT, AS AN ADDITIONAL SECURITY METHOD.

BENCH REQUIRES EPOXY APPLIED TO COVER THE BOTTOM OF THE ENTIRE LEG. EPOXY ADHESIVE SHOULD BE CHECKED PERIODICALLY TO ENSURE CONTINUED ADHESION.

*DOG BONE IS OFFERED IN THE FOLLOWING TEXTURES:

- LIGHT SANDBLAST
- MEDIUM SANDBLAST
- HEAVY SANDBLAST

B DOG BONE BENCH (MODEL# 499)

SCALE: 1" = 1'-0"

A STEPPING PAWS (MODEL# PBARK-470)

SCALE: 1" = 1'-0"



PROJECT # SP 21-6			
FRED JOHNSON PARK			
CITY OF TULSA, OKLAHOMA			
DEPARTMENT OF PARKS, CULTURE, & RECREATION			
PLANS AND ESTIMATES PREPARED BY:			
LANDPLAN CONSULTANTS			
1110 WEST 23RD	TULSA, OK 74107	918-494-4564	
REVISION	BY	DATE	
DRAWN	LPCI	MAY 2025	
DESIGNED	LPCI	JUL 2024	
SURVEY	FLS	APR 2024	
PROJ. MGR.	SL	12/10/25	
LEAD ENGR.	SL	12/25	
FIELD MGR.	SL	1/16	
DOG PARK DETAILS (3)			SHEET
			105 OF 119

- ALUMINUM DOGIPOT PET SIGN, WITH MOUNTING HARDWARE
- ALUMINUM DOGIPOT JUNIOR BAG DISPENSER (ITEM #1002-2), WITH MOUNTING HARDWARE
- TWO KEYS FOR DISPENSER LOCKING FRONT ACCESS PANEL
- TWO ROLLS OF DOGIPOT LITTER PICK UP BAGS (ITEM #1402), INSTALLED IN DOGIPOT JUNIOR BAG DISPENSER
- 10-GALLON ALUMINUM TRASH RECEPTACLE (ITEM #1206A-L) WITH ATTACHED HINGED LID AND TRASH LINER BAG RETAINER BANDS, WITH MOUNTING HARDWARE
- ONE DOGIPOT LINER TRASH BAGS (ITEM #1404)
- 2" X 2" X 4'- 8" GALVANIZED STEEL TELESCOPIC MOUNTING POST, WITH INSTALLATION HARDWARE

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADDetails.com/info AND ENTER REFERENCE NUMBER 2635-004.

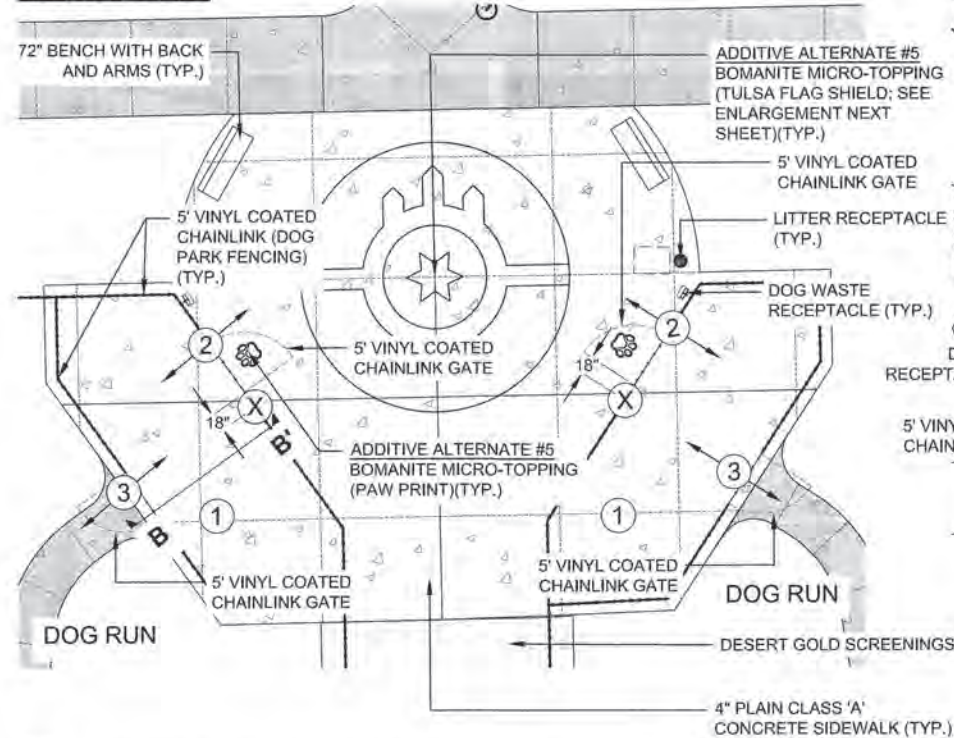


NOT TO SCALE



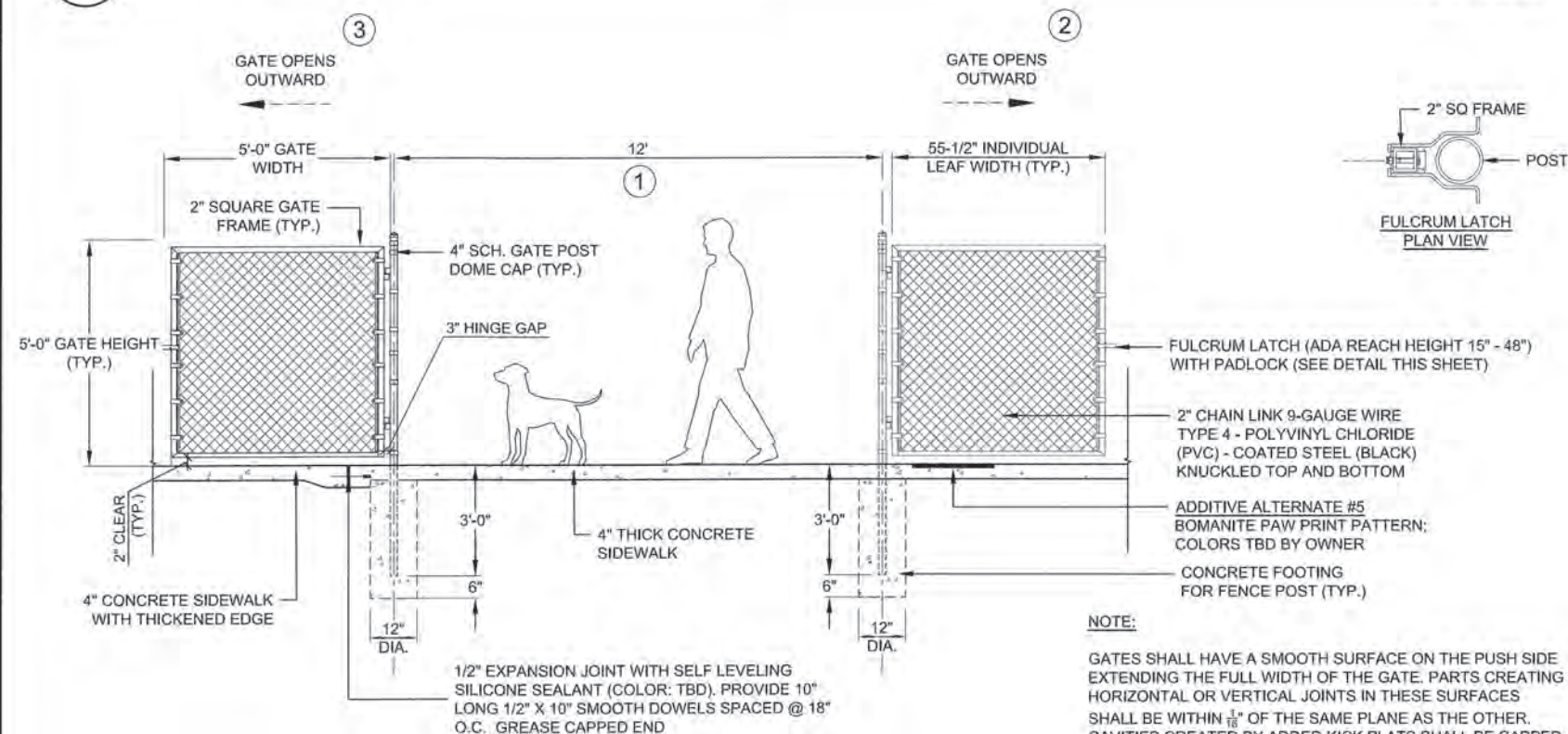
REVISION		BY	DATE	1115 WEST 23RD TULSA, OK 74107 918-584-6484
				DRAWN: MAY 2024 DESIGNED: LPCI JUL 2024 SURVEY: FLS APR 2024 PROJ. MNGR: <i>SL</i> 12/10/25 LEAD ENGR: <i>TR</i> 12/1/26 FIELD MNGR: <i>SL</i> 1/1/26
DOG PARK DETAILS (4)				SHEET 106 OF 119

NORTH ACCESS



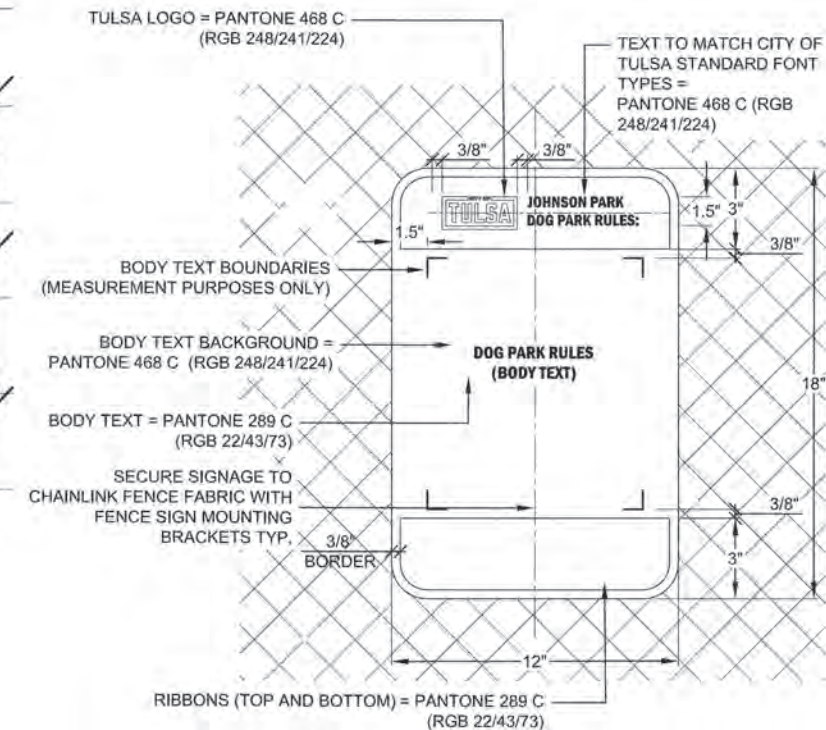
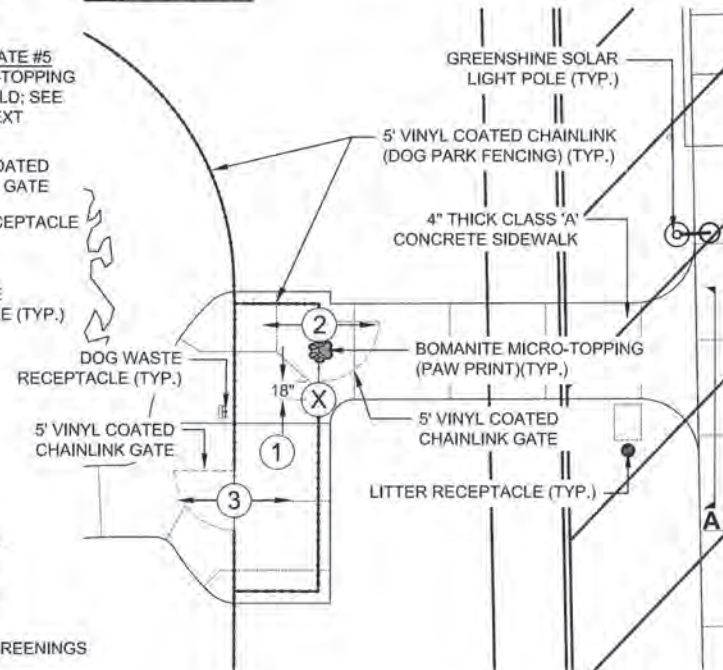
- ① VESTIBULE - DOGS WAIT FOR COLLAR & LEASH REMOVAL
- ② PARK ENTRY/EXIT GATE - GATE SWINGS OUTWARD TOWARD MAIN PARK, CAN BE OPENED FROM BOTH SIDES.
- ③ DOG RUN ENTRY/EXIT GATE - GATE SWINGS TOWARD RUN INTERIOR, CAN BE OPENED FROM BOTH SIDES
- X = LOCATION OF DOG PARK SIGNAGE

A DUAL-GATED ENTRY VESTIBULE (BOTH ACCESS POINTS)



C SECTION B-B': DUAL-GATED ENTRY VESTIBULE (BOTH ACCESS POINTS)

EAST ACCESS



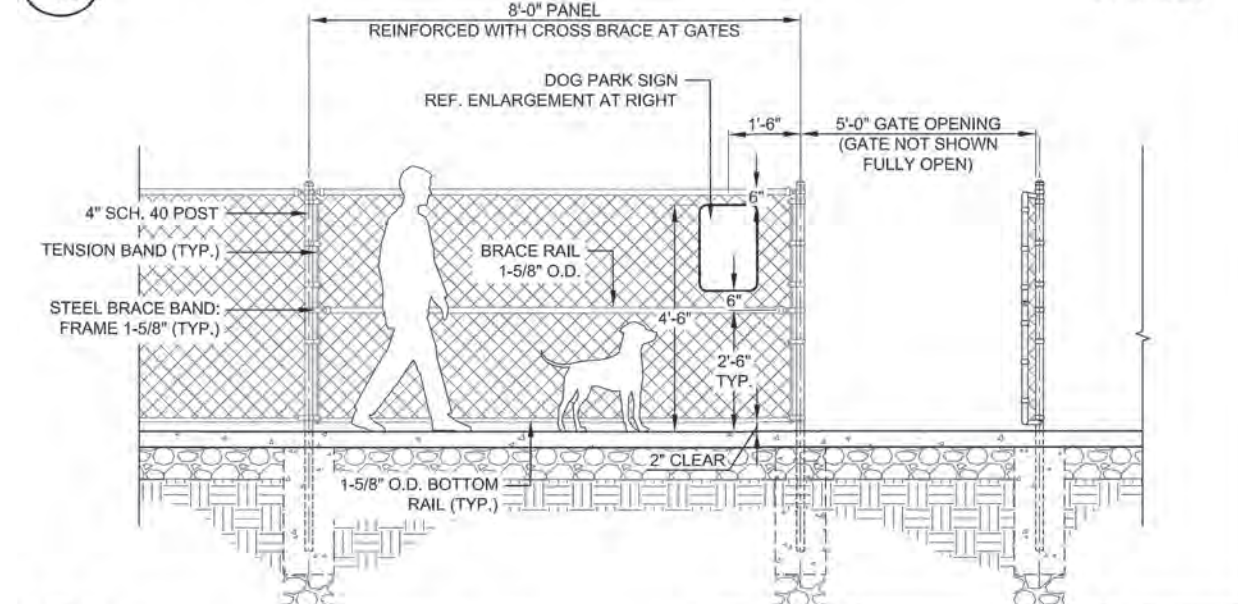
DOG PARK RULES (SAMPLE TEXT)

1. YOUR DOG, YOUR RESPONSIBILITY!
2. PICK UP YOUR DOG'S POOP PLEASE!
3. DOGS WHO HAVE NOT BEEN FIXED OR ARE "IN HEAT" ARE NOT ALLOWED.
4. CHILDREN MUST BE AT LEAST 12 YEARS OLD AND ACCOMPANIED BY AN ADULT TO USE THE PARK; CHILDREN UNDER 16 YEARS OLD ARE NOT ALLOWED TO BRING IN DOGS UNSUPERVISED BY AN ADULT.
5. DOGS MUST BE ON A LEASH WHEN NOT USING THE PARK.
6. AGGRESSIVE, VICIOUS, OR OTHERWISE UNRULY POOCHES AND THEIR OWNERS WILL BE ASKED TO LEAVE THE PARK.
7. IF YOUR DOG BECOMES AGGRESSIVE, IMMEDIATELY LEASH YOUR DOG AND LEAVE THE PARK.
8. NO DOGS YOUNGER THAN SIX (6) MONTHS OLD WILL BE ALLOWED IN THE PARK.
9. NO SICK OR INJURED DOGS ALLOWED
10. THE PARK CLOSSES 30 MINUTES AFTER SUNSET AND 30 MINUTES BEFORE SUNRISE.
11. SMALL DOGS IN THE SMALL DOG AREA, LARGE DOGS IN THE LARGE DOG AREA; ANY RISK ASSOCIATED WITH BRINGING SMALL DOGS INTO THE LARGE DOG AREA AND VICE VERSA IS THE RESPONSIBILITY OF THE OWNER.
12. NO FOOD, DRINKS, ALCOHOLIC BEVERAGES, CHEW TOYS, OR CHILDREN'S TOYS ARE ALLOWED IN THE PARK. SOFT DRINKS AND WATER ARE ALLOWED.
13. NO SMOKING
14. NO PROFESSIONAL DOG TRAINING ALLOWED WITHIN THE DOG PARK.
15. NO MORE THAN THREE DOGS PER ONE PERSON PER VISIT ARE ALLOWED.
16. BICYCLES, ROLLERBLADES, ROLLER-SKATES, SKATEBOARDS, AND STROLLERS ARE PROHIBITED. WHEELCHAIRS ARE ALLOWED.
17. REPAIR ANY HOLES MADE BY YOUR DOG(S).
18. BE MINDFUL OF YOUR FELLOW PARK-GOERS AND THEIR SPACE AND SAFETY.
19. NO CHOKE, PRONG, PINCH, OR SPIKE COLLARS ALLOWED WITHIN THE PARK.

NOTE:

TEXT SHALL BE APPROVED BY COT DURING SUBMITTAL PROCESS.

B DOG PARK RULES ENLARGEMENT



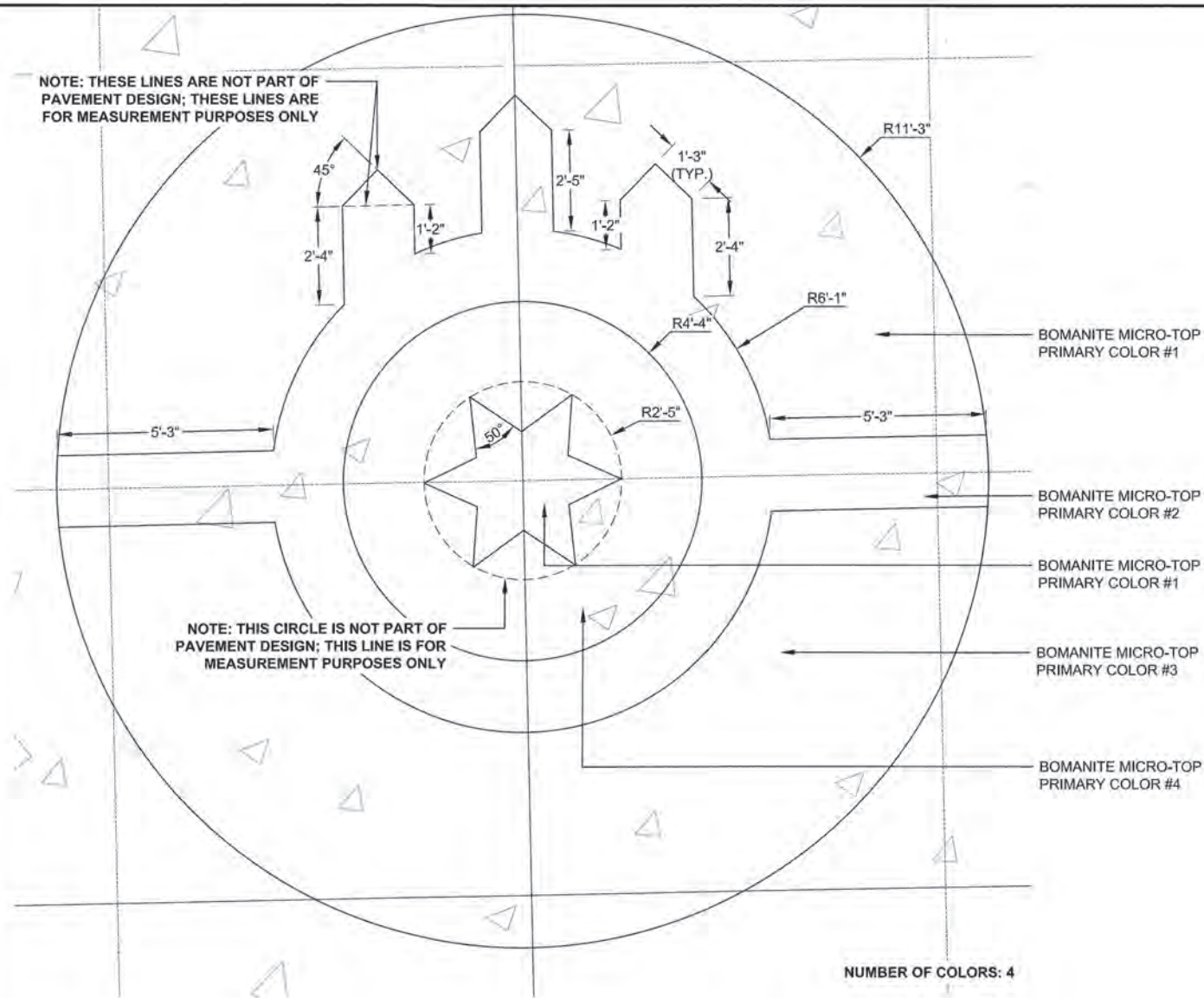
D ELEVATION A-A': DOG PARK RULES SIGN LOCATION

NOT TO SCALE

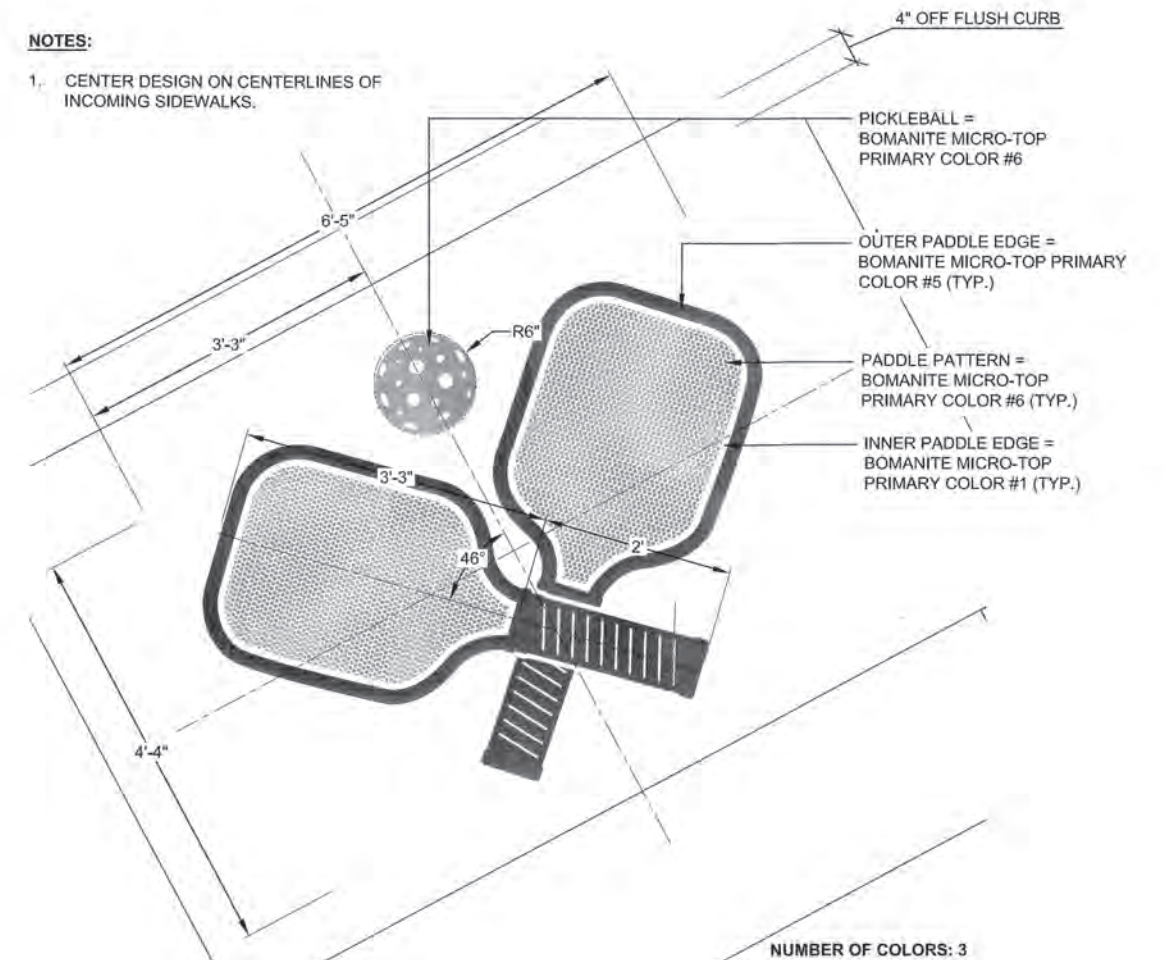


PROJECT # SP 21-6	
FRED JOHNSON PARK	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF PARKS, CULTURE, & RECREATION	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 2ND ST. TULSA, OK 74107 918-584-6464	
DESIGNED	LPG JUL 2024
SURVEYED	FLS APR 2024
PROJ. MGR.	SL 12/10/25
LEAD ENGR.	ML 12/26
FIELD MGR.	SL 1/2/26
DOG PARK DETAILS (6)	
SHEET 108 OF 119	

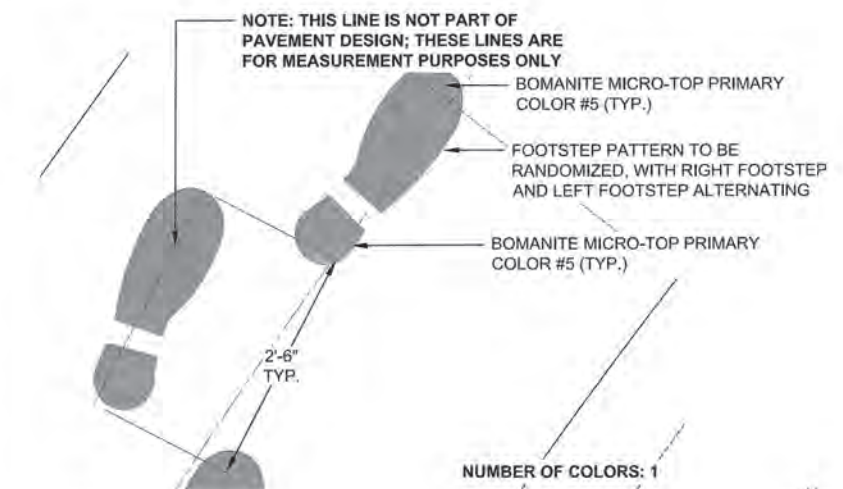
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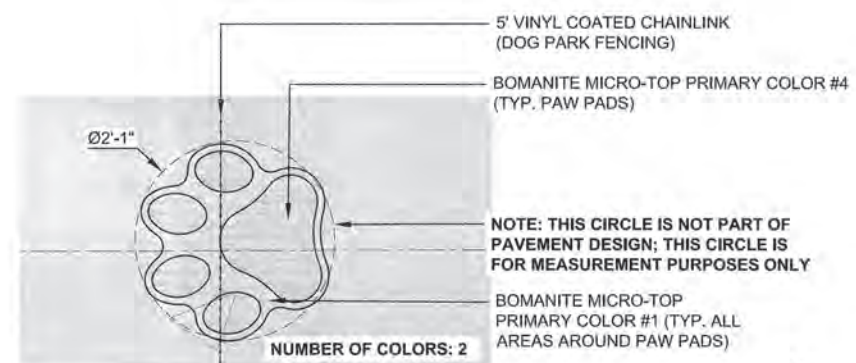
A BOMANITE MICRO-TOPPING (TULSA FLAG SHIELD)
109 ADD ALTERNATE #5 QUANTITY: 1
LOCATION: DOG PARK ENTRANCE



B BOMANITE CONCRETE TOPPING SYSTEM - (PICKLEBALL PADDLES)
109 ADD ALTERNATE #5 QUANTITY: 1
LOCATION: PICKLEBALL COURTS



C BOMANITE CONCRETE TOPPING SYSTEM - (FOOTPRINTS)
109 LOCATION: PLAYGROUND QUANTITY: 27 INDIVIDUAL FOOT PRINTS

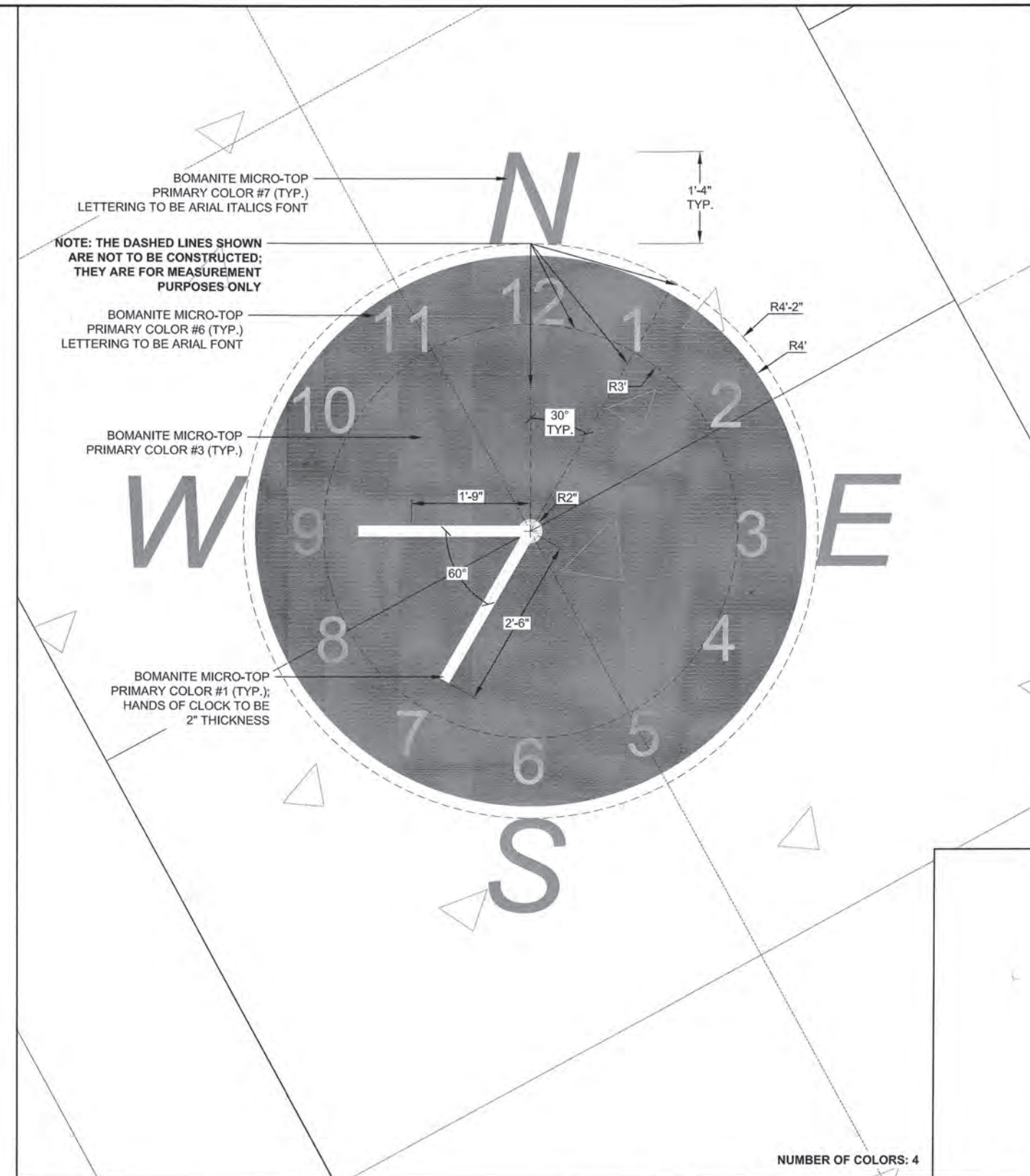
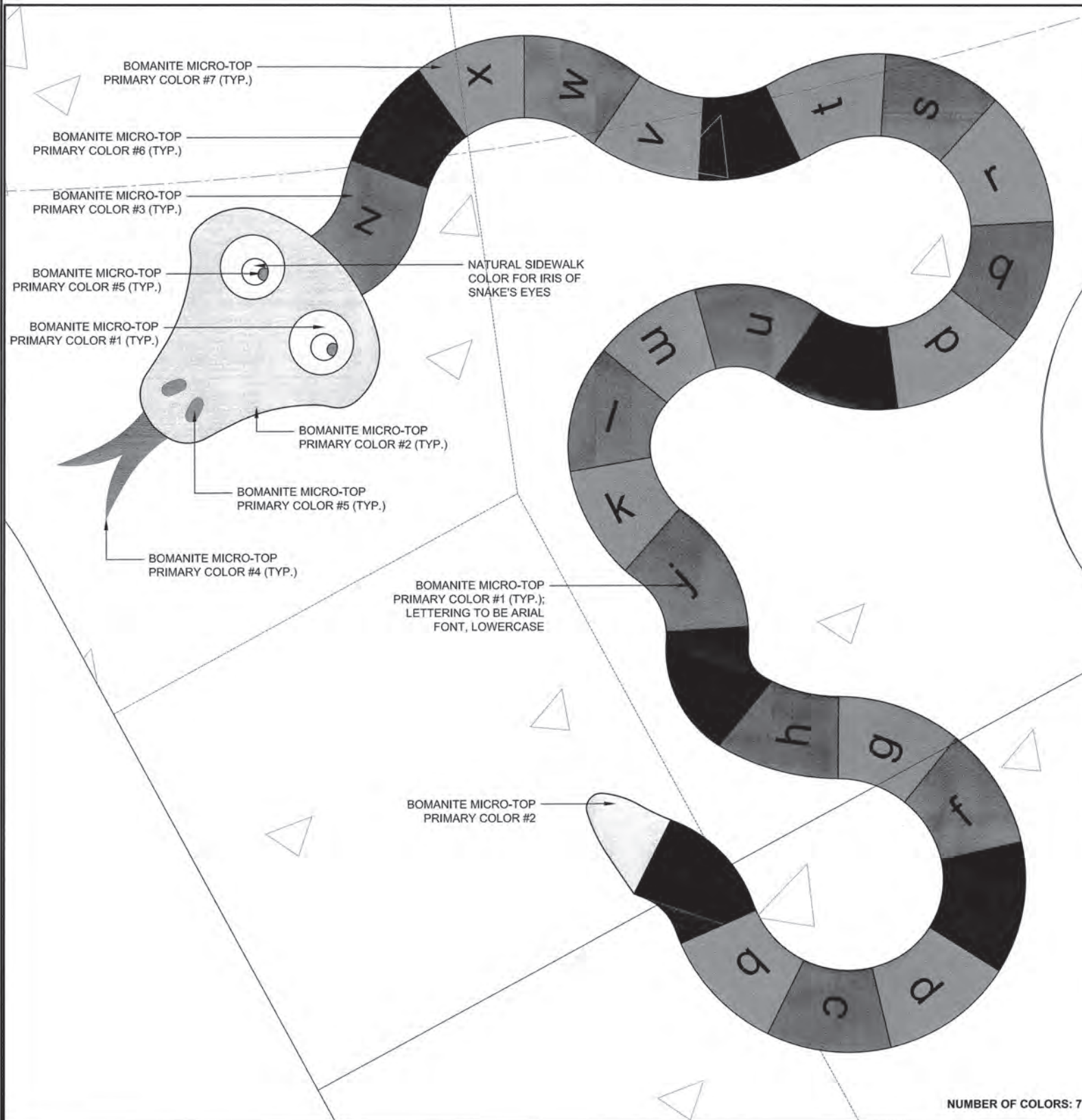


D BOMANITE CONCRETE TOPPING SYSTEM - (PAW PRINTS)
109 ADD ALTERNATE #5 QUANTITY: 3
LOCATION: DOG PARK

- NOTES:**
- COLOR AND STRIPING MOCK-UPS TO BE PROVIDED BY CONTRACTOR AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION OF COLORED PAVEMENT AREAS.
 - DIGITAL FILES WILL BE PROVIDED TO THE CONTRACTOR WITH THE WINNING BID FOR THEIR USE.
 - CONTACT CHARLES FOSTER @ BOMANITE OF TULSA 918 744-6272



PROJECT # SP 21-6		FRED JOHNSON PARK	
CITY OF TULSA, OKLAHOMA		DEPARTMENT OF PARKS, CULTURE, & RECREATION	
PLANS AND ESTIMATES PREPARED BY:		LANDPLAN CONSULTANTS	
1110 WEST 23rd	TULSA, OK 74107	918-584-6484	
DESIGNED	LPC	JUL 2024	
SURVEY	FLS	APR 2024	
PROJ. MGR.	SL	12/10/25	
LEAD ENGR.	HN	12/25	
FIELD MGR.	SL	1/25	
BOMANITE DETAILS (1)		SHEET 109 OF 119	



A BOMANITE CONCRETE TOPPING SYSTEM - (ALPHABET SNAKE)
110 ADD ALTERNATE #5 QUANTITY: 1
LOCATION: PICKLEBALL COURTS

NOTES:

- COLOR AND STRIPING MOCK-UPS TO BE PROVIDED BY CONTRACTOR AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION OF COLORED PAVEMENT AREAS.
- DIGITAL FILES WILL BE PROVIDED TO THE CONTRACTOR WITH THE WINNING BID FOR THEIR USE.
- CONTACT CHARLES FOSTER @ BOMANITE OF TULSA 918 744-6272

SCALE: 1" = 1'-0"

B BOMANITE CONCRETE TOPPING SYSTEM - (COMPASS/CLOCK)
110 ADDITIVE ALTERNATE #5 QUANTITY: 1
LOCATION: PICKLEBALL COURTS

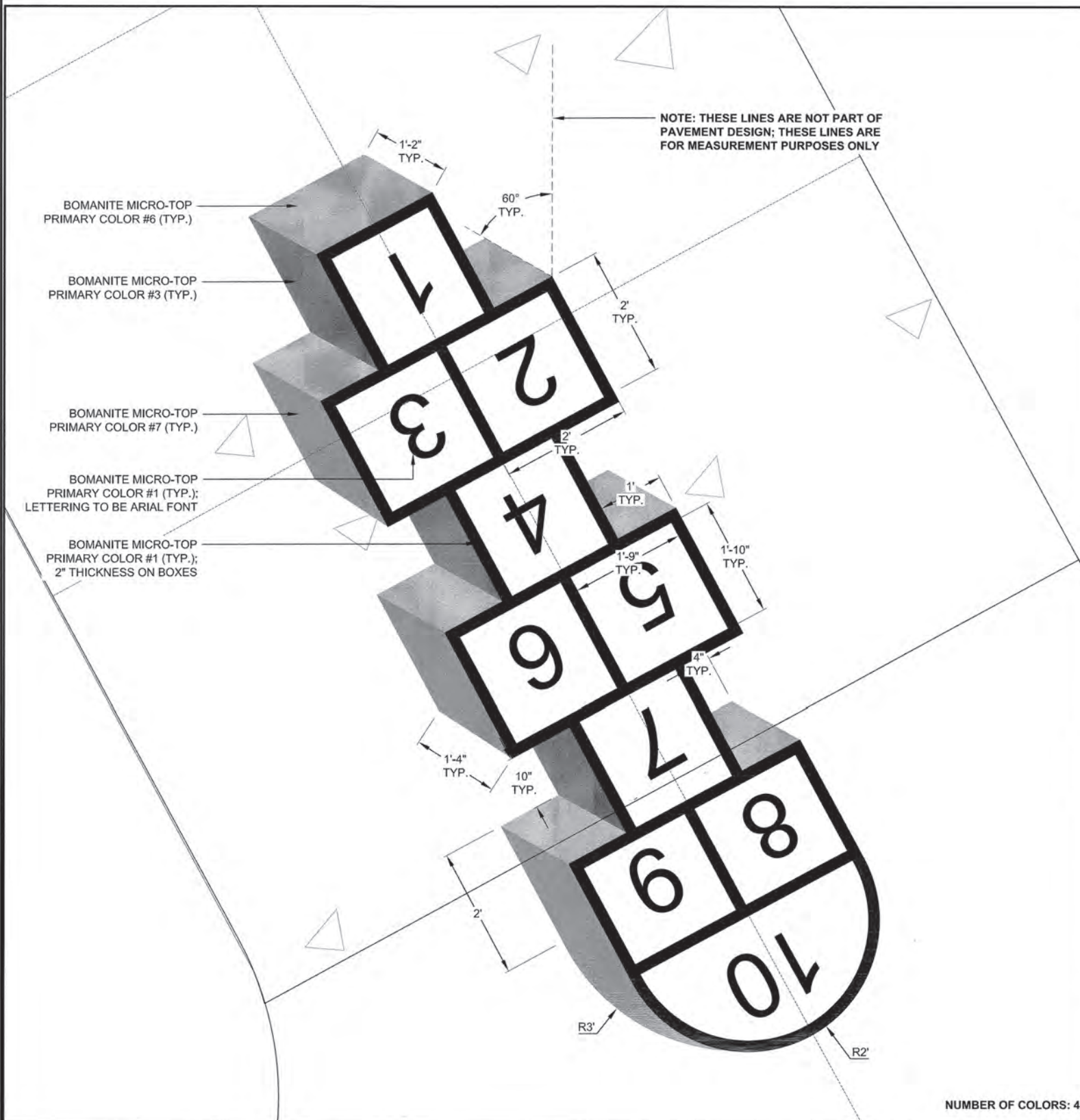
SCALE: 1" = 1'-0"

PROJECT # SP 21-6
FRED JOHNSON PARK
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, & RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23rd TULSA, OK 74107 918-584-6464

REVISION	BY	DATE	DRAWN	LPOI	MAY 2025
DESIGNED	LPOI	JUL 2024			
SURVEY	FLS	APR 2024			
PROJ. MNGR.	SL	12/10/25			
LEAD ENGR.	SL	12/12/25			
FIELD MNGR.	SL	12/12/25			

BOMANITE DETAILS (2) SHEET 110 OF 119

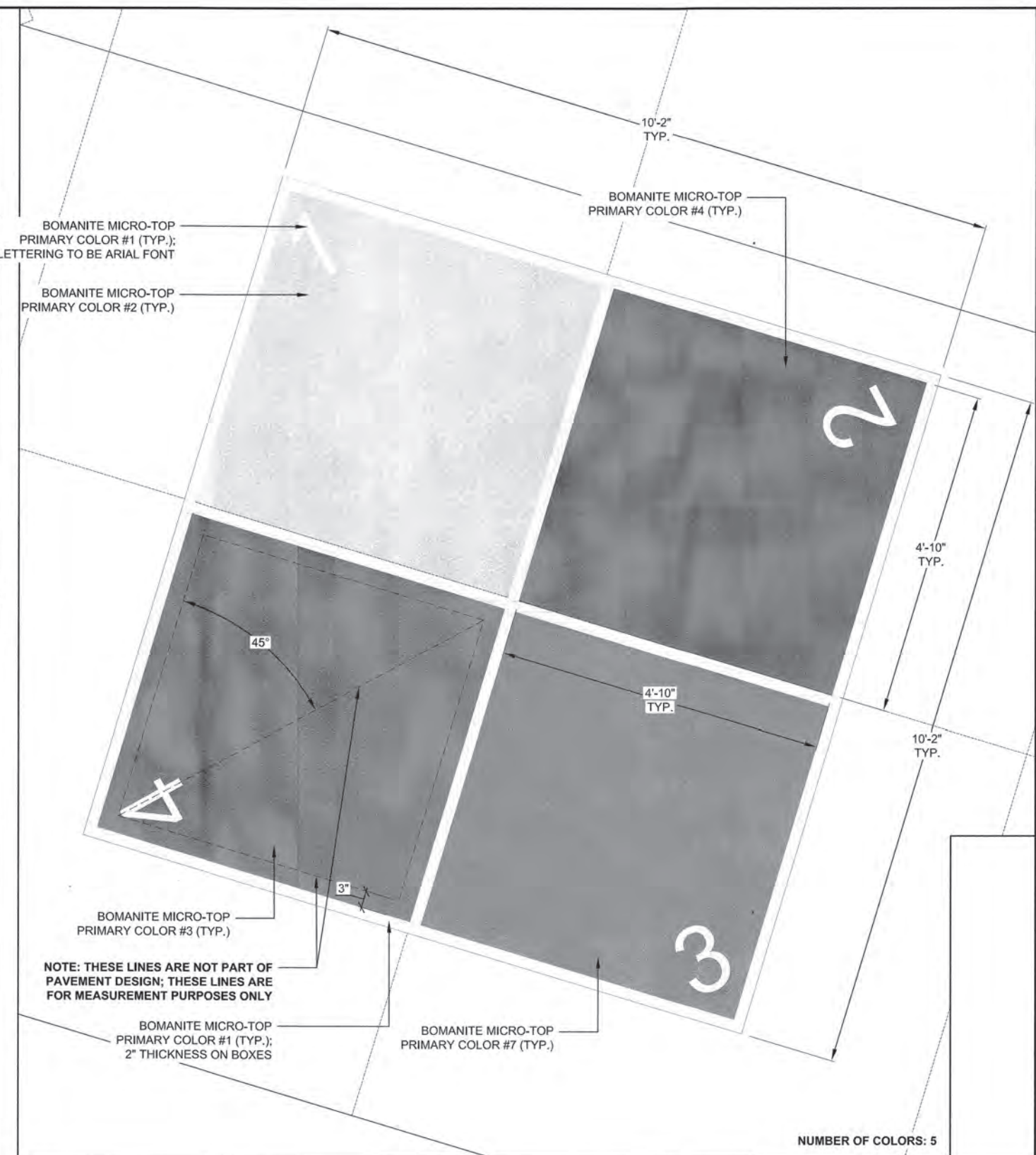


A BOMANITE CONCRETE TOPPING SYSTEM - (HOPSCOTCH)
 111 ADD ALTERNATE #5 QUANTITY: 3
 LOCATION: PICKLEBALL COURTS

NOTES:

- COLOR AND STRIPING MOCK-UPS TO BE PROVIDED BY CONTRACTOR AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION OF COLORED PAVEMENT AREAS.
- DIGITAL FILES WILL BE PROVIDED TO THE CONTRACTOR WITH THE WINNING BID FOR THEIR USE.
- CONTACT CHARLES FOSTER @ BOMANITE OF TULSA 918 744-6272

SCALE: 1" = 1'-0"



B BOMANITE CONCRETE TOPPING SYSTEM - (FOUR SQUARE)
 111 ADD ALTERNATE #5 QUANTITY: 1
 LOCATION: PLAYGROUND

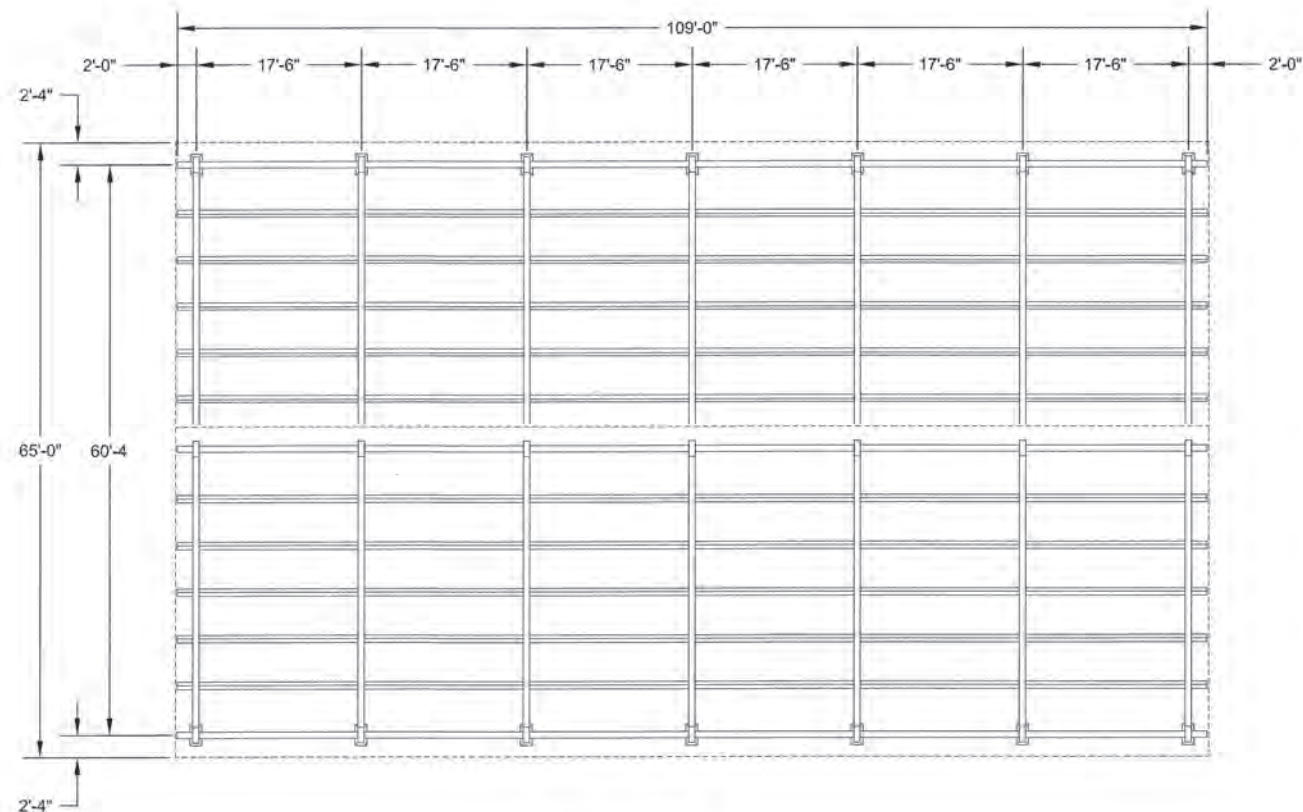
SCALE: 1" = 1'-0"

PROJECT # SP 21-6
 FRED JOHNSON PARK
 CITY OF TULSA, OKLAHOMA
 DEPARTMENT OF PARKS, CULTURE, & RECREATION

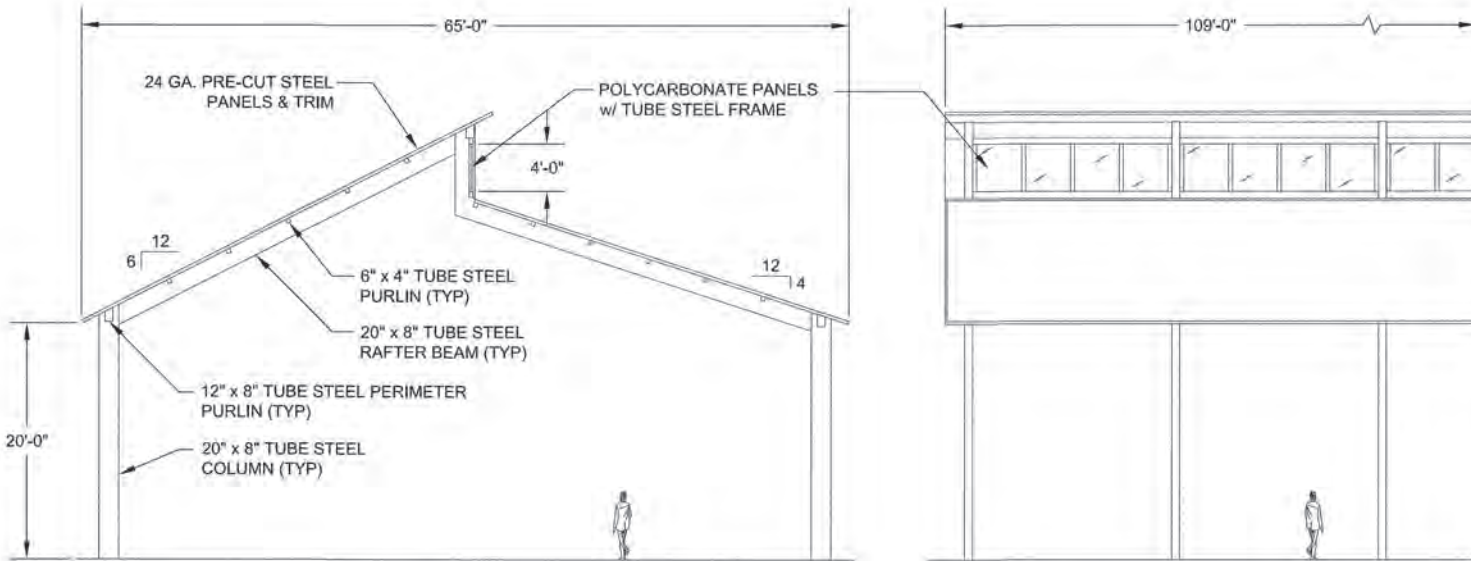
PLANS AND ESTIMATES PREPARED BY:
 LANDPLAN CONSULTANTS
 1110 WEST 23rd TULSA, OK 74107 918-584-6464

REVISION	BY	DATE	DRAWN	LPCI	MAY 2025
DESIGNED	LPCI	JUL 2024			
SURVEY	FLS	APR 2024			
PROJ. MGR.	SL	12/10/25			
LEAD ENGR.	SL	12/12/25			
FIELD MGR.	SL	12/12/25			

BOMANITE DETAILS (3) SHEET 111 OF 119



FRAMING PLAN
SCALE: NTS



FRONT ELEVATION
SCALE: NTS

PARTIAL SIDE ELEVATION
SCALE: NTS

MODEL: STEELWORX SPLIT-TOP GABLE SHELTER, 65' X 109'
MODEL # STGA-65109-SW-20E

MANUFACTURING MISSION: TO PROVIDE ALL PREFABRICATED COMPONENTS AND INSTALLATION INSTRUCTIONS FOR A FREE STANDING BOLT TOGETHER, TUBULAR STEEL CONSTRUCTED SHELTER KIT.

DESIGN CRITERIA: STRUCTURE SHALL BE DESIGNED TO MEET SITE SPECIFIC SNOW AND WIND LOAD DESIGN CRITERIA USING MOST CURRENT APPLICABLE BUILDING CODES. ALL STRUCTURAL MEMBERS ARE ASTM A-500 U.S. GRADE B STEEL. WELDED CONNECTION PLATES SHALL BE ASTM A-36 HOT ROLLED STEEL. ALL FABRICATION PERFORMED TO LATEST AISC STANDARDS BY AWS CERTIFIED WELDERS. ALL FRAMING CONNECTIONS ARE DONE USING A325 GRADE BOLTS WITHIN CONCEALED ACCESS OPENINGS FROM ABOVE AND WILL LATER BE CONCEALED BY THE ROOFING. ALL ROOF FRAMING SHALL BE FLUSH AGAINST THE ROOF DECKING TO ELIMINATE THE POSSIBILITY OF BIRD NESTING.

TUBULAR STEEL COLUMNS AND BEAMS: STANDARD COLUMN DIMENSION SHALL BE 20" X 8" X 3/8" TUBULAR STEEL WELDED TO 5/8" BASE PLATES. MAIN SUPPORT BEAMS ARE 20" X 8" X 3/8" AND PURLINS ARE 12" X 8" X 3/16" AND 6" X 4" X 1/8". STEEL SIZES ARE PRELIMINARY AND MAY CHANGE DUE TO ONGOING REVIEW AND FINAL ENGINEERING.

ROOFING: PRE-CUT 24 GA. STEEL R-PANELS BY MCELROY METAL WITH KYNAR 500 FINISH IN A VARIETY OF COLORS WITH WHITE UNDERSIDE. STANDARD ROOF SLOPE IS A 4/12 AND 6/12 PITCH WITH A EAVE HEIGHT OF 20'-0". ATTACHED TO STRUCTURAL FRAMING WITH EXPOSED SELF TAPPING SCREWS PAINTED TO MATCH ROOF COLOR. MATCHING 24 GA. TRIM INCLUDED.

FRAME FINISH: ALL STEEL FRAMEWORK WILL RECEIVE A CORROSION PROTECTIVE TGIC POLYESTER POWDER COAT, ELECTRO-STATICALLY APPLIED AND CURED AT 400°F. A LARGE SELECTION OF STANDARD COLORS ARE AVAILABLE.

FOUNDATION: ALL COLUMNS NEED TO BE ANCHORED TO CONCRETE FOOTINGS. COLUMNS CAN BE SURFACE MOUNTED WITH ANCHOR BOLTS AT OR BELOW FINISH SLAB ELEVATION. ANCHOR BOLTS AND BRACING TEMPLATES INCLUDED. OPTIONAL BASE PLATE COVERS ARE AVAILABLE AT AN ADDITIONAL COST.

HARDWARE: ALL STRUCTURAL HARDWARE AND ROOFING FASTENERS SHALL BE PROVIDED.

WARRANTY: 10 YEARS AGAINST MANUFACTURER DEFECTS.

NOT INCLUDED: CONCRETE WORK OF ANY KIND, UNLOADING OF PRODUCT AND INSTALLATION.



11800 East 9 Mile Road
Warren, MI 48089
Office: (586) 486-1088
Fax: (586) 754-9130
Toll Free: (800) 657-6118
Email: info@coverworx.com
www.Coverworx.com

Steelworx Split-top Gable Shelter - 65' x 109'

Model: STGA-65109-SW-20E

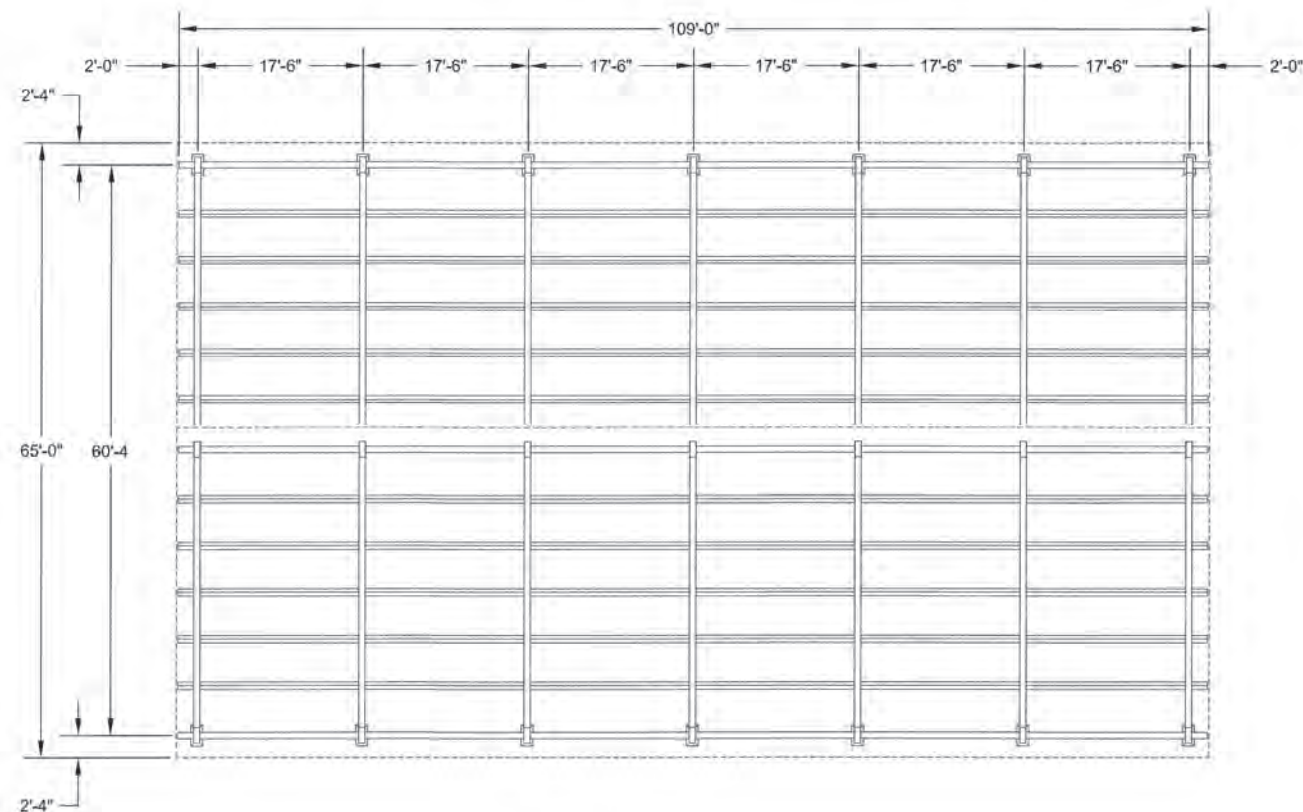
DESIGN SPECIFICATIONS



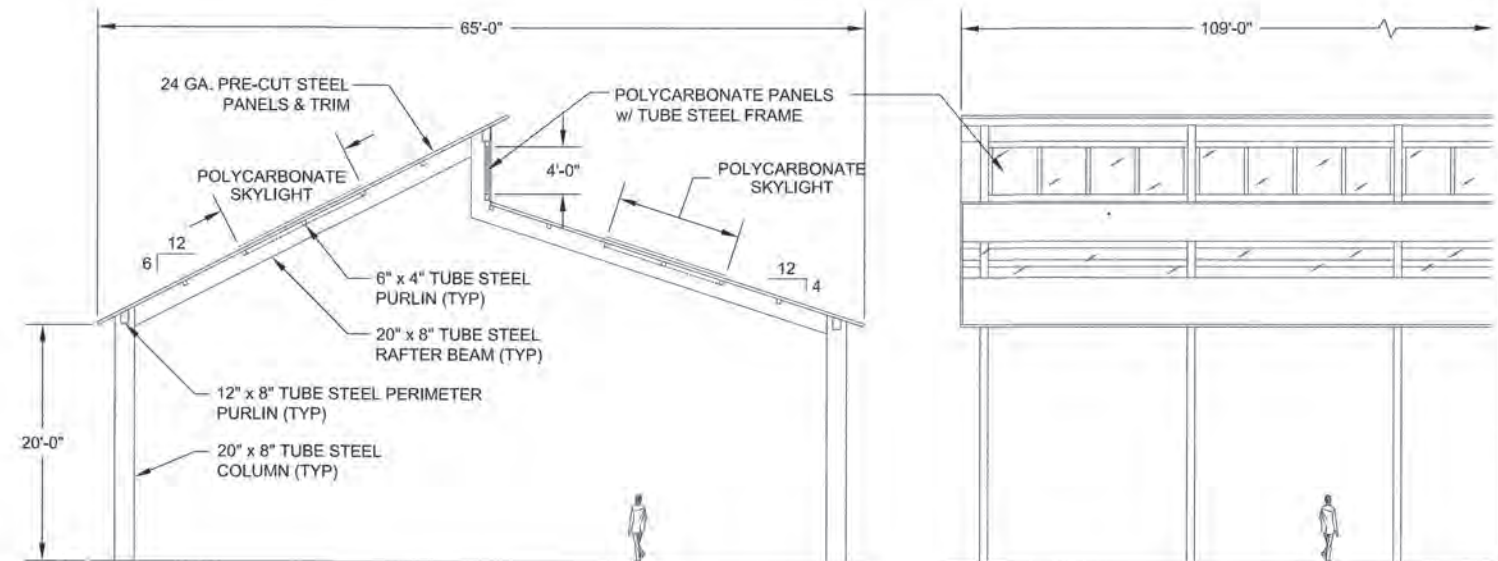
PROJECT # SP 21-6	
FRED JOHNSON PARK	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF PARKS, CULTURE, & RECREATION	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23rd TULSA, OK 74107 918-584-2454	
DESIGNED: LPCI	MAY 2025
SURVEY: FLS	JUL 2024
PROJ. MGR: SL	12/10/25
LEAD ENGR: JA	12/25
FIELD MGR: J. H. H. G.	
SHELTER DETAILS (1)	
SHEET 112 OF 119	



REVISION	BY	DATE



FRAMING PLAN
SCALE: NTS



FRONT ELEVATION
SCALE: NTS

PARTIAL SIDE ELEVATION
SCALE: NTS

MODEL: STEELWORX SPLIT-TOP GABLE SHELTER, 65' X 109'
MODEL # STGA-65109-SW-20E-SKY

MANUFACTURING MISSION: TO PROVIDE ALL PREFABRICATED COMPONENTS AND INSTALLATION INSTRUCTIONS FOR A FREE STANDING BOLT TOGETHER, TUBULAR STEEL CONSTRUCTED SHELTER KIT.

DESIGN CRITERIA: STRUCTURE SHALL BE DESIGNED TO MEET SITE SPECIFIC SNOW AND WIND LOAD DESIGN CRITERIA USING MOST CURRENT APPLICABLE BUILDING CODES. ALL STRUCTURAL MEMBERS ARE ASTM A-500 U.S. GRADE B STEEL. WELDED CONNECTION PLATES SHALL BE ASTM A-36 HOT ROLLED STEEL. ALL FABRICATION PERFORMED TO LATEST AISC STANDARDS BY AWS CERTIFIED WELDERS. ALL FRAMING CONNECTIONS ARE DONE USING A325 GRADE BOLTS WITHIN CONCEALED ACCESS OPENINGS FROM ABOVE AND WILL LATER BE CONCEALED BY THE ROOFING. ALL ROOF FRAMING SHALL BE FLUSH AGAINST THE ROOF DECKING TO ELIMINATE THE POSSIBILITY OF BIRD NESTING.

TUBULAR STEEL COLUMNS AND BEAMS: STANDARD COLUMN DIMENSION SHALL BE 20" X 8" X 3/8" TUBULAR STEEL WELDED TO 5/8" BASE PLATES. MAIN SUPPORT BEAMS ARE 20" X 8" X 3/8" AND PURLINS ARE 12" X 8" X 3/16" AND 6" X 4" X 1/8". STEEL SIZES ARE PRELIMINARY AND MAY CHANGE DUE TO ONGOING REVIEW AND FINAL ENGINEERING.

ROOFING: PRE-CUT 24 GA. STEEL R-PANELS BY MCELROY METAL WITH KYNAR 500 FINISH IN A VARIETY OF COLORS WITH WHITE UNDERSIDE. STANDARD ROOF SLOPE IS A 4/12 AND 6/12 PITCH WITH A EAVE HEIGHT OF 20'-0". ATTACHED TO STRUCTURAL FRAMING WITH EXPOSED SELF TAPPING SCREWS PAINTED TO MATCH ROOF COLOR. MATCHING 24 GA. TRIM INCLUDED.

POLYCARBONATE SKYLIGHTS: PRE-CUT 1.5MM SUNSKY 12 POLYCARBONATE PANELS BY PALRAM WITH MATCHING R-PANEL CORRUGATED PROFILE. CLEAR OR COLOR PANELS AVAILABLE. ATTACHED TO STRUCTURAL FRAMING WITH EXPOSED SELF TAPPING SCREWS. POLYCARBONATE PANELS USED AS VERTICAL CLERESTORY WINDOWS SHALL BE SOLID, NON CORRUGATED PICTURE FRAME UNITS WITH POWDER COATED STEEL SURROUNDING FRAME.

FRAME FINISH: ALL STEEL FRAMEWORK WILL RECEIVE A CORROSION PROTECTIVE TGIC POLYESTER POWDER COAT, ELECTRO-STATICALLY APPLIED AND CURED AT 400°F. A LARGE SELECTION OF STANDARD COLORS ARE AVAILABLE.

FOUNDATION: ALL COLUMNS NEED TO BE ANCHORED TO CONCRETE FOOTINGS. COLUMNS CAN BE SURFACE MOUNTED WITH ANCHOR BOLTS AT OR BELOW FINISH SLAB ELEVATION. ANCHOR BOLTS AND BRACING TEMPLATES INCLUDED. OPTIONAL BASE PLATE COVERS ARE AVAILABLE AT AN ADDITIONAL COST.

HARDWARE: ALL STRUCTURAL HARDWARE AND ROOFING FASTENERS SHALL BE PROVIDED.

WARRANTY: 10 YEARS AGAINST MANUFACTURER DEFECTS.

NOT INCLUDED: CONCRETE WORK OF ANY KIND, UNLOADING OF PRODUCT AND INSTALLATION.



11800 East 9 Mile Road
Warren, MI 48089
Office: (586) 486-1088
Fax: (586) 754-9130
Toll Free: (800) 657-6118
Email: info@coverworx.com
www.Coverworx.com

Steelworx Split-top Gable Shelter - 65' x 109'

Model: STGA-65109-SW-20E-SKY

DESIGN SPECIFICATIONS

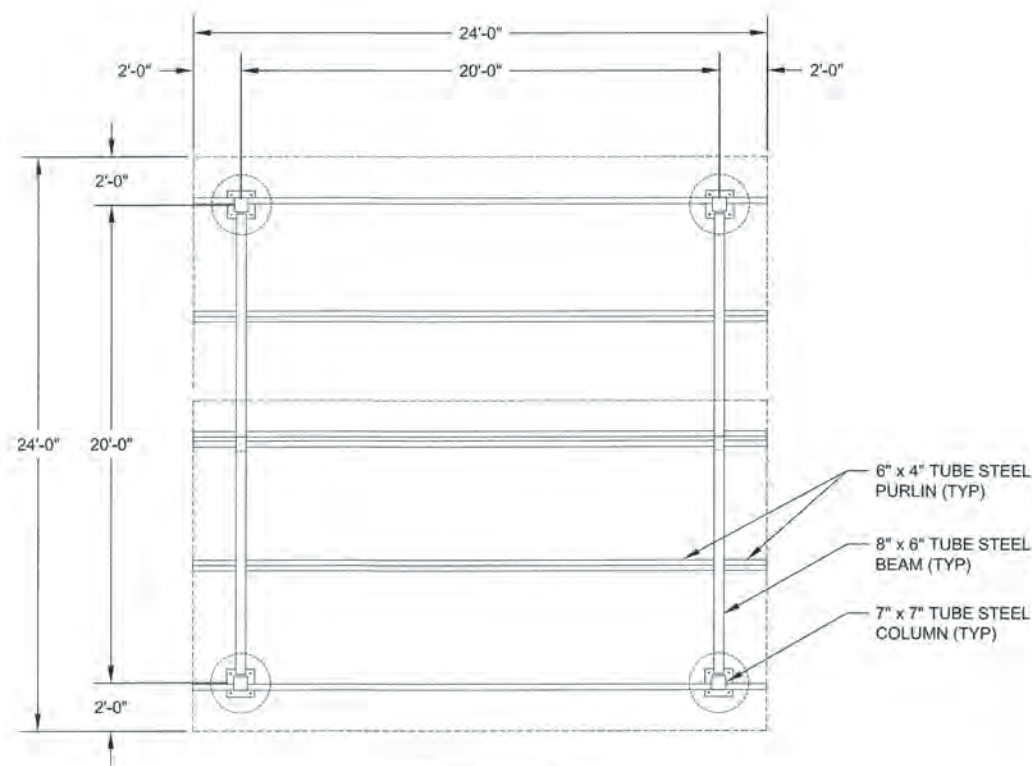
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113

ADDITIVE ALTERNATE #2: 65' X 109' SHELTER DETAIL AT BASKETBALL COURT WITH ADDED POLYCARBONATE SKYLIGHTS

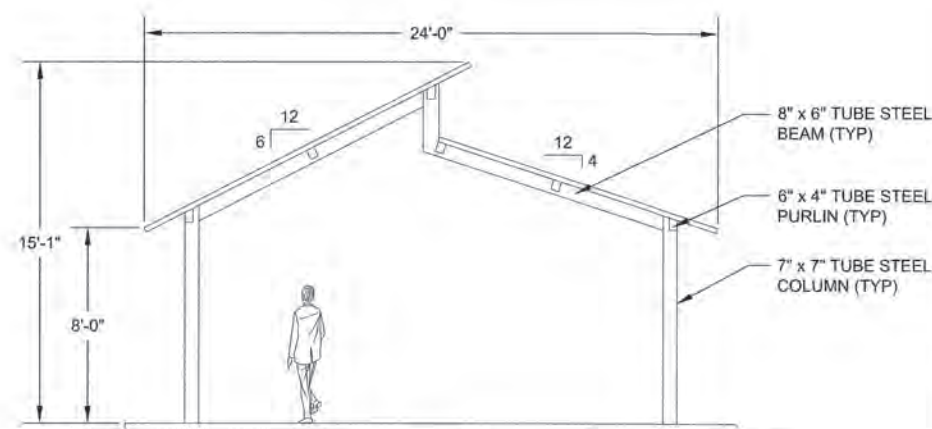
NOT TO SCALE



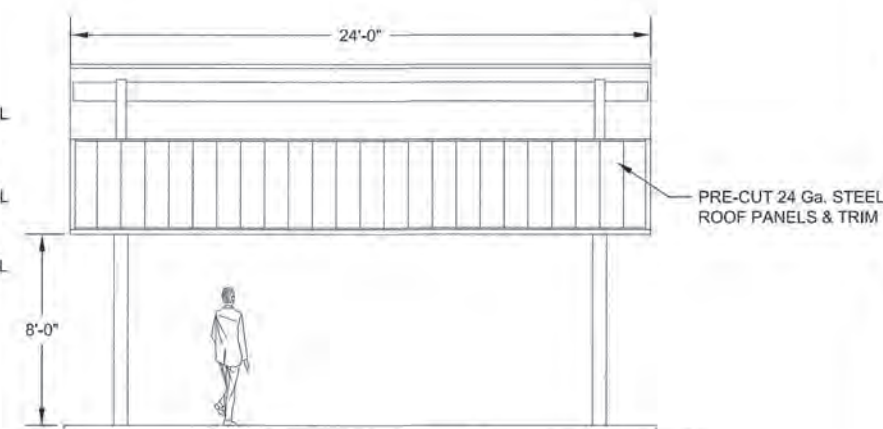
PROJECT # SP 21-6	
FRED JOHNSON PARK	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF PARKS, CULTURE, & RECREATION	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23RD TULSA, OK 74107 918-584-0484	
DESIGNED	LPCI MAY 2025
DRAWN	LPCI JUL 2024
SURVEY	FLS APR 2024
PROJ. MGR.	SL 12/10/25
LEAD ENGR.	SL 12/25
FIELD MGR.	SL 1/26
SHELTER DETAILS (2)	
SHEET 113 OF 119	



FRAMING PLAN
SCALE: NTS



SIDE ELEVATION
SCALE: NTS



FRONT ELEVATION
SCALE: NTS

MODEL: STEELWORX SPLIT-TOP GABLE SHELTER, 24' X 24'

MANUFACTURING MISSION: TO PROVIDE ALL PREFABRICATED COMPONENTS AND INSTALLATION INSTRUCTIONS FOR A 24' WIDE BY 24' LONG (MEASURED FROM EAVE TO EAVE) FREE STANDING BOLT TOGETHER, TUBULAR STEEL CONSTRUCTED SHELTER KIT.

DESIGN CRITERIA: STRUCTURE SHALL BE DESIGNED TO MEET SITE SPECIFIC SNOW AND WIND LOAD DESIGN CRITERIA USING MOST CURRENT APPLICABLE BUILDING CODES. ALL STRUCTURAL MEMBERS ARE ASTM A-500 U.S. GRADE B STEEL. WELDED CONNECTION PLATES SHALL BE ASTM A-36 HOT ROLLED STEEL. ALL FABRICATION PERFORMED TO LATEST AISC STANDARDS BY AWS CERTIFIED WELDERS. ALL FRAMING CONNECTIONS ARE DONE USING A325 GRADE BOLTS WITHIN CONCEALED ACCESS OPENINGS FROM ABOVE AND WILL LATER BE CONCEALED BY THE ROOFING. ALL ROOF FRAMING SHALL BE FLUSH AGAINST THE ROOF DECKING TO ELIMINATE THE POSSIBILITY OF BIRD NESTING.

TUBULAR STEEL COLUMNS AND BEAMS: STANDARD COLUMN DIMENSION SHALL BE 7" X 7" X 3/16" TUBULAR STEEL WELDED TO 5/8" BASE PLATES FOR SURFACE MOUNTING. MAIN SUPPORT BEAMS ARE 8" X 6" X 3/16" AND PURLINS ARE 6" X 4" X 3/16". STEEL SIZES ARE PRELIMINARY AND MAY CHANGE DUE TO ONGOING REVIEW AND FINAL ENGINEERING.

ROOFING: 24 GA. PRE-CUT MULTI-RIB STEEL PANELS WITH KYNAR 500 FINISH IN A VARIETY OF COLORS WITH WHITE UNDERSIDE. STANDARD ROOF SLOPE IS A 4/12 & 6/12 PITCH WITH A EAVE HEIGHT OF 8'-0". ATTACHED TO STRUCTURAL FRAMING WITH EXPOSED SELF TAPPING SCREWS PAINTED TO MATCH ROOF. MATCHING 24 GA. TRIM INCLUDED.

FRAME FINISH: ALL STEEL FRAMEWORK WILL RECEIVE A CORROSION PROTECTIVE TGIC POLYESTER POWDER COAT, ELECTRO-STATICALLY APPLIED AND CURED AT 400°F. A LARGE SELECTION OF STANDARD COLORS ARE AVAILABLE.

FOUNDATION: ALL COLUMNS NEED TO BE ANCHORED TO CONCRETE FOOTINGS (FOOTING DESIGN PROVIDED SEPARATELY). COLUMNS CAN BE SURFACE MOUNTED TO FOOTINGS WITH ANCHOR BOLTS AT OR BELOW FINISH SLAB ELEVATION OR THEY CAN BE EMBEDDED DIRECTLY INTO THE FOOTING WITHOUT BASE PLATES UPON REQUEST. ANCHOR BOLTS AND BRACING TEMPLATES ARE INCLUDED. OPTIONAL BASE PLATE COVERS ARE AVAILABLE AT AN ADDITIONAL COST.

HARDWARE: ALL STRUCTURAL HARDWARE AND ROOFING FASTENERS SHALL BE PROVIDED.

WARRANTY: 10 YEARS AGAINST MANUFACTURER DEFECTS.

NOT INCLUDED: CONCRETE WORK OF ANY KIND, UNLOADING OF PRODUCT AND INSTALLATION.



11800 East 9 Mile Road
Warren, MI 48089
Office: (586) 486-1088
Fax: (586) 754-9130
Toll Free: (800) 657-6118
Email: info@coverworx.com
www.Coverworx.com

Steelworx Split-top Gable w/Extended Eave - 24' x 24'

Model: STGA-2424-SW-EX

DESIGN SPECIFICATIONS



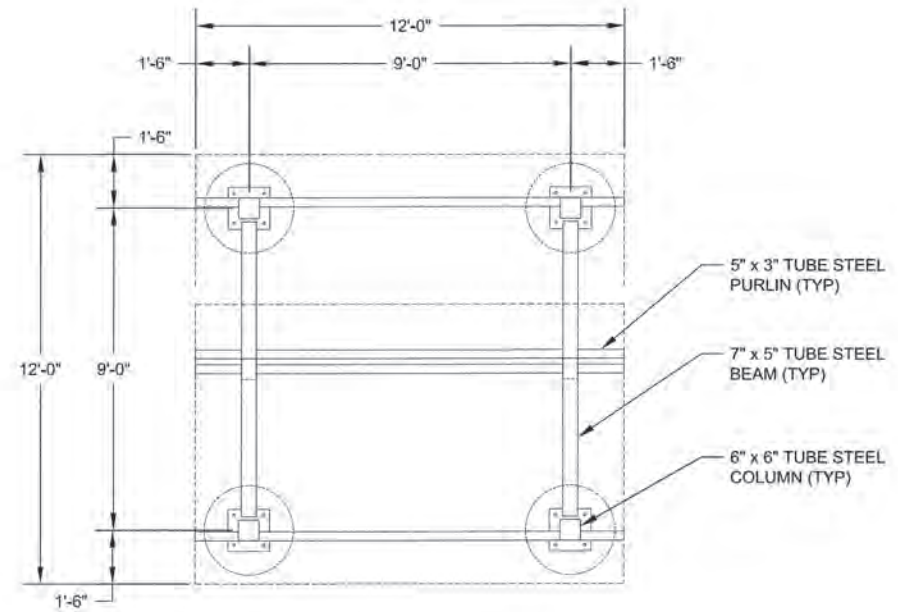
REVISION				BY	DATE	DRAWN	LPCI	MAY 2025
DESIGNED				LPCI	JUL 2024			
SURVEY				FLS	APR 2024			
PROJ. MGR.				SL	10/10/25			
LEAD ENGR.				FW	12/25			
FIELD MGR.				JW	1/16			

PROJECT # SP 21-6	
FRED JOHNSON PARK	
CITY OF TULSA, OKLAHOMA	
DEPARTMENT OF PARKS, CULTURE, & RECREATION	
PLANS AND ESTIMATES PREPARED BY:	
LANDPLAN CONSULTANTS	
1110 WEST 23rd	TULSA, OK 74107
918-584-6064	
SHELTER DETAILS (3)	
SHEET	
114 OF 119	

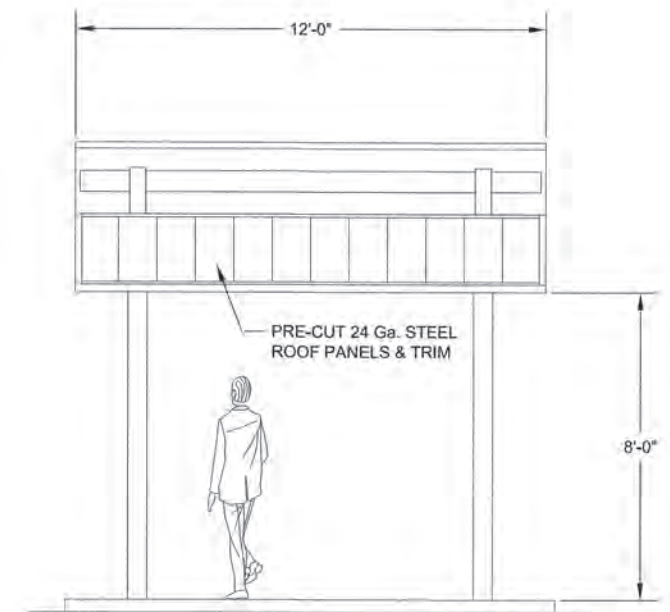
A 24'x24' SHELTER DETAIL AT PLAYGROUND

114

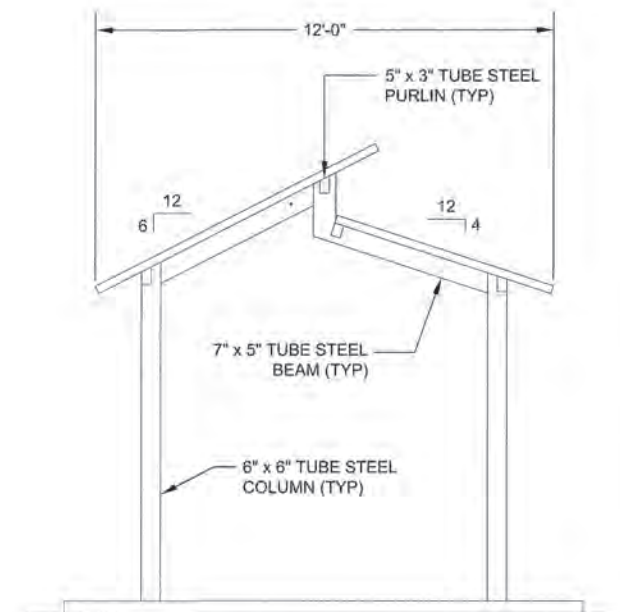
NOT TO SCALE



FRAMING PLAN
SCALE: NTS



FRONT ELEVATION
SCALE: NTS



SIDE ELEVATION
SCALE: NTS

MODEL: STEELWORX SPLIT-TOP GABLE SHELTER W/ EXTENDED EAVE, 12' X 12'
MODEL # STGA-1212-SW-EX

MANUFACTURING MISSION: TO PROVIDE ALL PREFABRICATED COMPONENTS AND INSTALLATION INSTRUCTIONS FOR A 12' WIDE BY 12' LONG (MEASURED FROM EAVE TO EAVE) FREE STANDING BOLT TOGETHER, TUBULAR STEEL CONSTRUCTED SHELTER KIT.

DESIGN CRITERIA: STRUCTURE SHALL BE DESIGNED TO MEET SITE SPECIFIC SNOW AND WIND LOAD DESIGN CRITERIA USING MOST CURRENT APPLICABLE BUILDING CODES. ALL STRUCTURAL MEMBERS ARE ASTM A-500 U.S. GRADE B STEEL. WELDED CONNECTION PLATES SHALL BE ASTM A-36 HOT ROLLED STEEL. ALL FABRICATION PERFORMED TO LATEST AISC STANDARDS BY AWS CERTIFIED WELDERS. ALL FRAMING CONNECTIONS ARE DONE USING A325 GRADE BOLTS WITHIN CONCEALED ACCESS OPENINGS FROM ABOVE AND WILL LATER BE CONCEALED BY THE ROOFING. ALL ROOF FRAMING SHALL BE FLUSH AGAINST THE ROOF DECKING TO ELIMINATE THE POSSIBILITY OF BIRD NESTING.

TUBULAR STEEL COLUMNS AND BEAMS: STANDARD COLUMN DIMENSION SHALL BE 6" X 6" X 3/16" TUBULAR STEEL WELDED TO 5/8" BASE PLATES FOR SURFACE MOUNTING. MAIN SUPPORT BEAMS ARE 7" X 5" X 3/16" AND PURLINS ARE 5" X 3" X 1/8". STEEL SIZES ARE PRELIMINARY AND MAY CHANGE DUE TO ONGOING REVIEW AND FINAL ENGINEERING.

ROOFING: 24 GA. PRE-CUT STEEL MULTI-RIB PANELS WITH KYNAR 500 FINISH IN A VARIETY OF COLORS WITH WHITE UNDERSIDE. ROOF SLOPE IS A 4/12 AND 6/12 PITCH WITH A EAVE HEIGHT OF 8'-0". ATTACHED TO STRUCTURAL FRAMING WITH EXPOSED SELF TAPPING SCREWS PAINTED TO MATCH ROOF. MATCHING 24 GA. TRIM IS INCLUDED.

FRAME FINISH: ALL STEEL FRAMEWORK WILL RECEIVE A CORROSION PROTECTIVE TGIC POLYESTER POWDER COAT, ELECTRO-STATICALLY APPLIED AND CURED AT 400°F. A LARGE SELECTION OF STANDARD COLORS ARE AVAILABLE.

FOUNDATION: ALL COLUMNS NEED TO BE ANCHORED TO CONCRETE FOOTINGS. COLUMNS CAN BE SURFACE MOUNTED TO FOOTINGS WITH ANCHOR BOLTS AT OR BELOW FINISH SLAB ELEVATION. ANCHOR BOLTS AND BRACING TEMPLATES ARE INCLUDED. OPTIONAL BASE PLATE COVERS ARE AVAILABLE AT AN ADDITIONAL COST.

HARDWARE: ALL STRUCTURAL HARDWARE AND ROOFING FASTENERS SHALL BE PROVIDED.

WARRANTY: 10 YEARS AGAINST MANUFACTURER DEFECTS.

NOT INCLUDED: CONCRETE WORK OF ANY KIND, UNLOADING OF PRODUCT AND INSTALLATION.



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Email: info@coverworx.com
www.Coverworx.com

COVERWORX
Recreational Architecture
A Division of Ross & Barr Inc.

Steelworx Split-top Gable w/Extended Eave - 12' x 12'

Model: STGA-1212-SW-EX

DESIGN SPECIFICATIONS



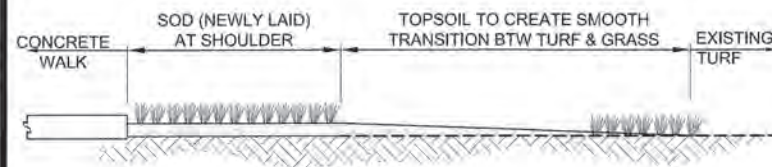
PROJECT # SP 21-6
FRED JOHNSON PARK
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, & RECREATION
PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23RD TULSA, OK 74107 918-584-0454

REVISION	BY	DATE
DRAWN	LPCI	MAY 2025
DESIGNED	LPCI	JUL 2024
SURVEY	FLS	APR 2024
PROJ. MGR.	SL	12/10/25
LEAD ENGR.	SL	12/25
FIELD MGR.	SL	1/1/26

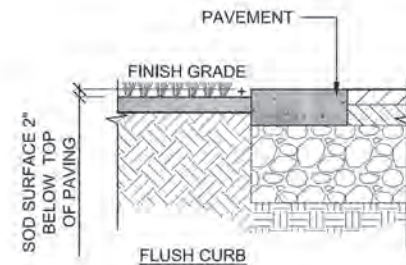
BEFORE YOU DIG CALL OKIE

SHELTER DETAILS (4)

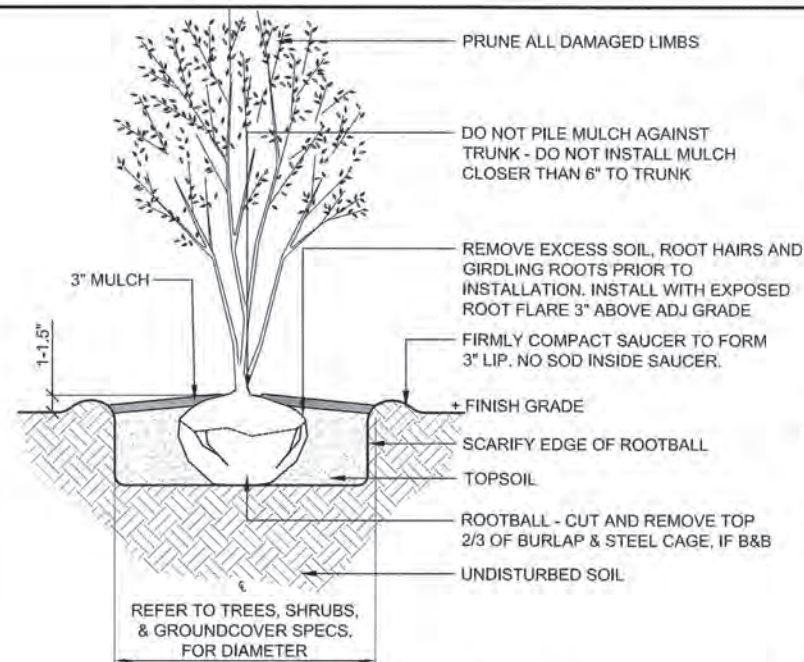
SHEET
115 OF 119



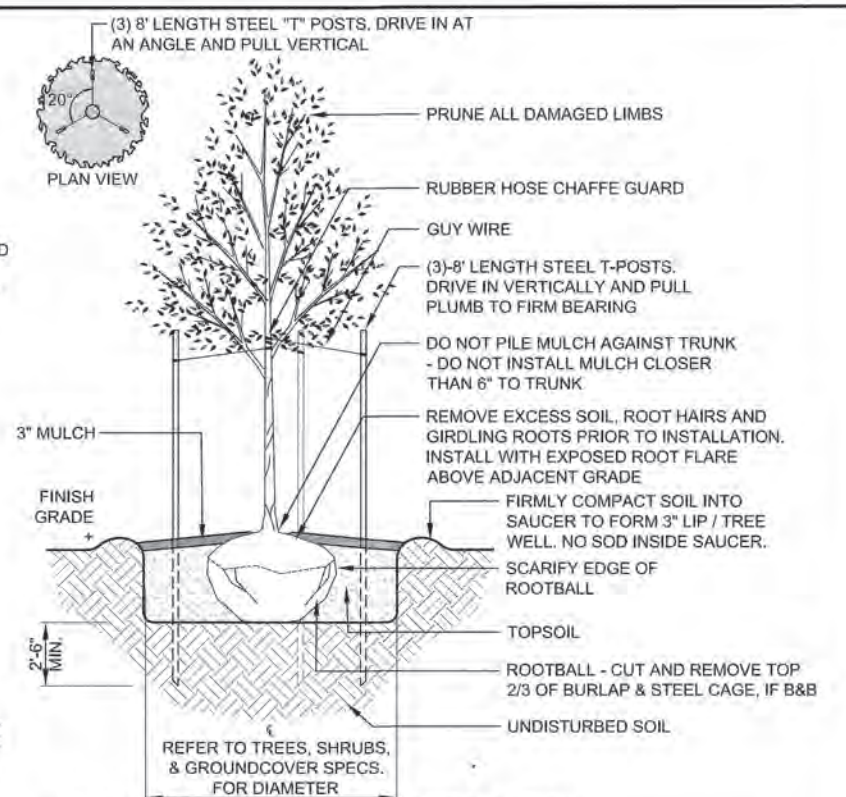
A NEW SOD - EXISTING SOD INTERFACE
116 NOT TO SCALE



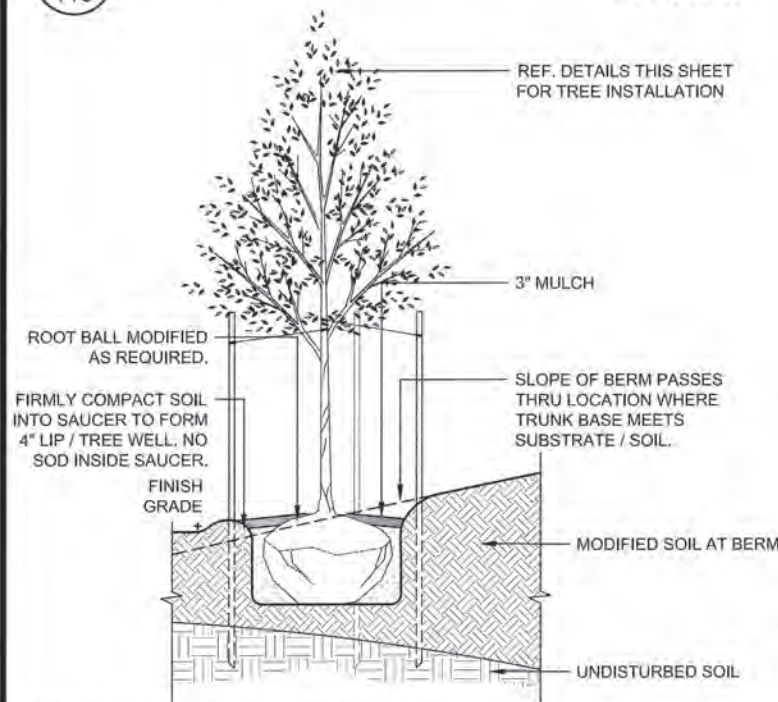
B PLANTING ADJACENT TO PAVEMENT
116 NOT TO SCALE



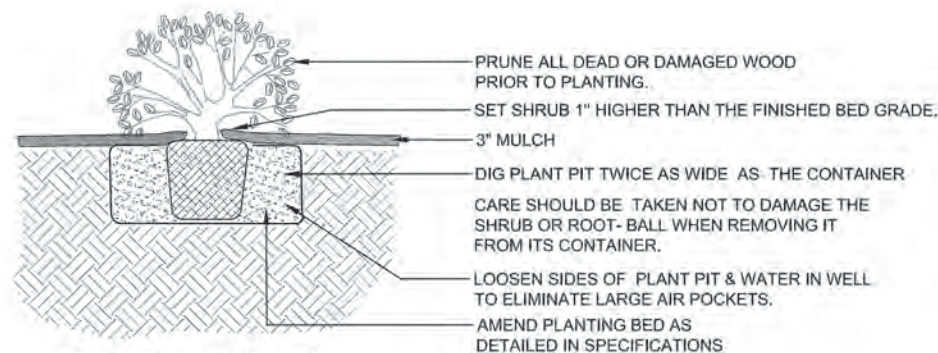
C MULTI-TRUNK TREE INSTALLATION
116 NOT TO SCALE



D SINGLE-TRUNK TREE INSTALLATION
116 NOT TO SCALE

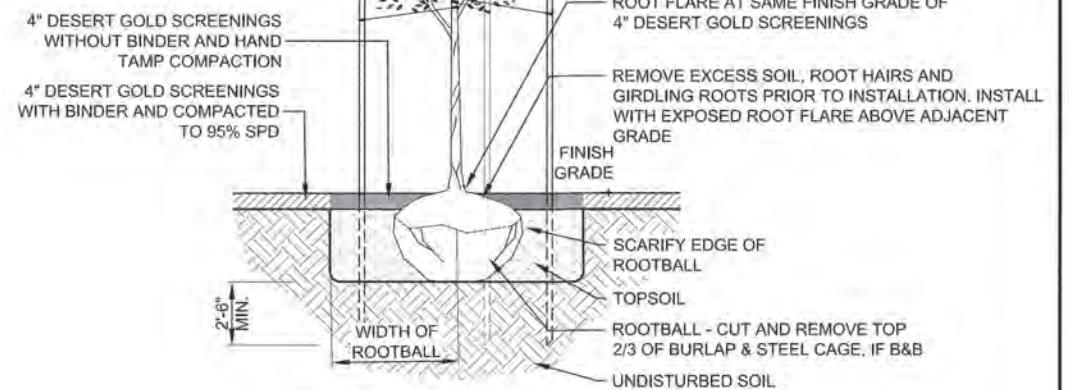


E TREE INSTALLATION ON BERM
116 NOT TO SCALE

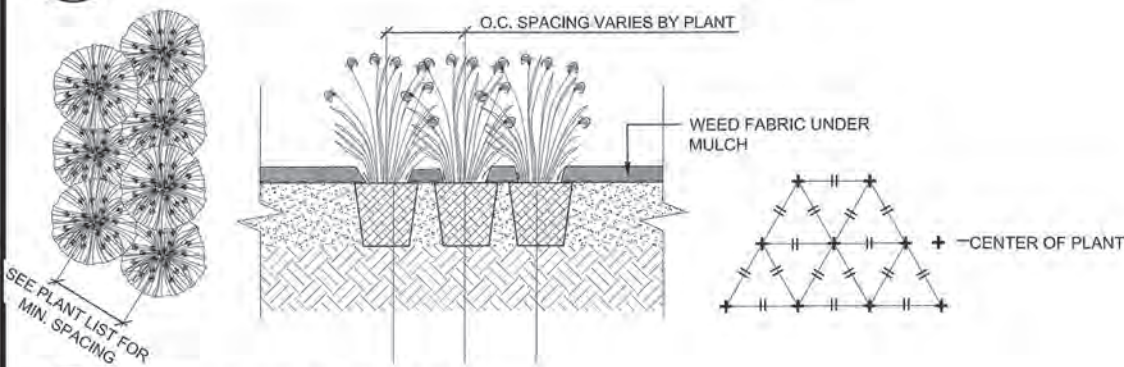


F SHRUB PLANTING
116 NOT TO SCALE

NOTE:
CONTRACTOR SHALL COORDINATE
WITH LANDSCAPE ARCHITECT AND
PARKS DEPARTMENT PRIOR TO
INSTALLATION



G SINGLE-TRUNK TREE INSTALLATION
116 IN SCREENINGS NOT TO SCALE



H PLANTING TYPICAL SPACING
116 NOT TO SCALE



REVISION	BY	DATE	CHANGED	DATE	DATE
DESIGNED	LPD	JUL 2024			
SURVEY	FLS	APR 2024			
PROJ. MGR.	SL	12/10/25			
LEAD ENGR.	SL	12/25			
FIELD MGR.	SL	1/26			

STATE OF OKLAHOMA
JULIE GRAFF
LA 382
10/16/25
LANDSCAPE ARCHITECT

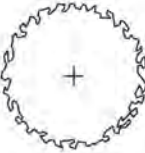
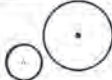
PROJECT # SP 21-6
FRED JOHNSON PARK
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF PARKS, CULTURE, & RECREATION

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23rd
TULSA, OK 74107
918-404-0464

LANDSCAPE
DETAILS (1)

SHEET
116 OF 119

LANDSCAPE PLANT LIST: BASE BID

KEY	QTY.	ABBR	COMMON NAME	BOTANICAL NAME	SIZE & CONDITION (UNLESS OTHERWISE NOTED)
DECIDUOUS SHADE TREES					
	24	OV	AMERICAN HOPHORNBEAM	OSTRYA VIRGINIANA	2 1/2" - 3" CAL. B&B, 10'-12'HT x 5'-6"W
	24	UC	CEDAR ELM	ULMUS CRASSIFOLIA	2 1/2" - 3" CAL. B&B, 10'-12'HT x 5'-6"W
	17	AS 'C'	CADDO MAPLE	ACER SACCHARUM 'CADDO'	2 1/2" - 3" CAL. B&B, 10'-12'HT x 5'-6"W
	17	QA	WHITE OAK	QUERCUS ALBA	2 1/2" - 3" CAL. B&B, 10'-12'HT x 5'-6"W
	22	QM	BUR OAK	QUERCUS MACROCARPA	2 1/2" - 3" CAL. B&B, 10'-12'HT x 5'-6"W
	4	CI	PECAN	CARYA ILLINOINSIS	2 1/2" - 3" CAL. B&B, 10'-12'HT x 5'-6"W
EVERGREEN TREES					
	6	PE	SHORTLEAF PINE	PINUS ECHINATE	2 1/2" - 3" CAL. B&B, 10'-12'HT x 5'-6"W
	6	PT	LOBLLOLY PINE	PINUS TAEDA	2 1/2" - 3" CAL. B&B, 10'-12'HT x 5'-6"W
	11	I 'NRS'	NELLIE R STEVENS	ILEX X 'NELLIE R STEVENS	2 1/2" - 3" CAL. B&B, 10'-12'HT x 5'-6"W
ORNAMENTAL TREES					
	3	CL	DESERT WILLOW	CHILOPSIS LINEARIS	2" - 3" CAL. B&B, 10'-12'HT x 5'-6"W
	4	MV	SWEET BAY MAGNOLIA	MAGNOLIA VIRGINIANA	2" - 3" CAL. B&B, 10'-12'HT x 5'-6"W
	6	V 'AC'	CHASTE TREE	VITEX AGNUS-CASTUS	2" - 3" CAL. B&B, 10'-12'HT x 5'-6"W
	5	PV	CANADA RED CHOKECHERRY	PRUNUS VIRGINIANA 'CANADA RED'	2" - 3" CAL. B&B, 10'-12'HT x 5'-6"W
	10	CC 'OS'	OKLAHOMA SPARKLER REDBUD	CERCIS CANADENSIS 'OK SPARKLER'	2" - 3" CAL. B&B, 10'-12'HT x 5'-6"W
	6	M 'SS'	SPRING SNOW CRABAPPLE	MALUS 'SPRING SNOW'	2" - 3" CAL. B&B, 10'-12'HT x 5'-6"W
TREE TOTAL	165				

MULCH AND SOIL AMENDMENT

690 EA SHREDDED CYPRESS MULCH
(3 CUBIC FT. BAGS) (2 BAGS PER TREE)

219 EA 'BACK TO NATURE' SOIL SUPPLEMENT
(3 CUBIC FT. BAGS) (1 BAG PER TREE)

SOD

58,887SY U3 BERMUDA SOD

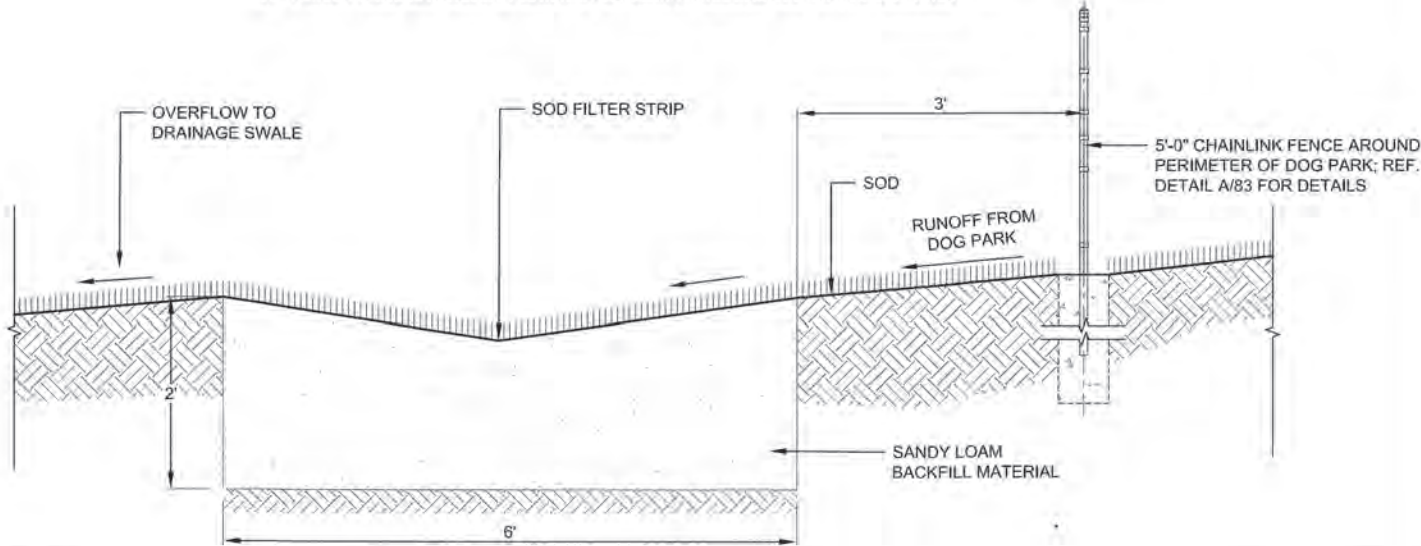
529,985

LANDSCAPE BOULDERS

SIZE	ESTIMATED QUANTITY
SMALL	48
MEDIUM	44
LARGE	51
TOTAL	143

LANDSCAPE NOTES

1. THE CONTRACTOR SHALL FOLLOW THE LANDSCAPE PLAN AS CLOSELY AS POSSIBLE. ANY DISCREPANCY IN THE PLAN VS. FIELD CONDITIONS SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY. NOTIFY THE LANDSCAPE ARCHITECT FOR INSPECTION AND APPROVAL OF LANDSCAPE MATERIAL PRIOR TO INSTALLATION.
2. THE CONTRACTOR SHALL WARRANTY THE PLANT MATERIAL & WORKMANSHIP FOR A PERIOD OF ONE YEAR AS SPECIFIED.
3. ALL TREES ARE TO BE STAKED AND GUYED PER DETAIL FOR A PERIOD OF ONE YEAR. CONTRACTOR SHALL REMOVE ALL STAKING AND GUYING PRIOR TO THE FINAL, ONE YEAR WALK THROUGH.
4. TREES SHALL NOT BE LOCATED IN DRAINAGE SWALES, DRAINAGE AREAS, OR UTILITY EASEMENTS. CONTACT LANDSCAPE ARCHITECT FOR RELOCATION OF PLANTS IN QUESTIONABLE AREAS.
5. REFER TO QUANTITIES SHOWN GRAPHICALLY IF DISCREPANCIES EXIST BETWEEN WRITTEN AND GRAPHIC QUANTITIES.
6. THE LANDSCAPE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE EXISTS IN ALL LANDSCAPE AREAS.
7. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE TO PAY FOR, OBTAIN, ALL REQUIRED PERMITS FROM THE CITY OF TULSA TO DO LANDSCAPE IMPROVEMENTS.
8. CONTRACTOR SHALL NOT DEVIATE FROM PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL FROM LANDSCAPE ARCHITECT.
9. FINAL STAKING OF ALL PLANT MATERIAL SHALL BE ACCEPTED BY THE LANDSCAPE ARCHITECT IN ADVANCE OF PLANTING.
10. LANDSCAPE ARCHITECT MAY ELECT TO UPSIZE PLANT MATERIAL AT THEIR DISCRETION BASED ON SELECTION, AVAILABILITY, OR TO ENHANCE SPECIFIC AREAS OF THE PROJECT.
11. PLANTS SHALL BE IN A MOIST, VIGOROUS CONDITION, FREE FROM DEAD WOOD, BRUISES OR OTHER ROOT OR BRANCH INJURIES. THE LANDSCAPE ARCHITECT HAS THE RIGHT TO REJECT ANY PLANTS THAT DO NOT MEET THE STANDARDS AS SET FORTH BY THE AMERICAN STANDARDS INSTITUTE (ANSI) PUBLICATIONS: Z60.2-2025 NURSERY STOCK.
12. VERIFY LOCATION OF UTILITIES PRIOR TO EXCAVATION FOR PLANTING BEDS AND TREE PLANTING.
13. ALL ITEMS SHOWN ON THE PLANTING PLANS, DETAILS AND TREE, SHRUBS AND GROUND COVER. COST OF PLANTING SHALL INCLUDE, BUT NOT BE LIMITED TO, TREE STAKING, GUYING, FERTILIZING, EXCAVATION, AND WATERING AS REQUIRED BY THE SPECIFICATIONS. ANY ITEM NOT LISTED ON THE BID SHEET SHALL BE CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE COST OF OTHER ITEMS.
14. THESE PLANS ARE ACCOMPANIED BY A PROJECT MANUAL AND SPECIFICATIONS.

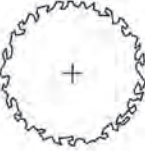
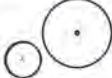


A
117

SECTION: INFILTRATION STRIP AT DOG PARK

NOT TO SCALE

LANDSCAPE PLANT LIST: ADD ALTERNATE #1 - SKATE PARK/ART FEATURE

KEY	QTY.	ABBR	COMMON NAME	BOTANICAL NAME	SIZE & CONDITION (UNLESS OTHERWISE NOTED)
DECIDUOUS SHADE TREES					
	2	QA	WHITE OAK	QUERCUS ALBA	2 1/2" - 3" CAL. B&B, 10'-12'HT x 5'-6"W
	2	QM	BUR OAK	QUERCUS MACROCARPA	2 1/2" - 3" CAL. B&B, 10'-12'HT x 5'-6"W
ORNAMENTAL TREES					
	23	CL	DESERT WILLOW	CHILOPSIS LINEARIS	2" - 3" CAL. B&B, 10'-12'HT x 5'-6"W

MULCH AND SOIL AMENDMENT

690 EA SHREDDED CYPRESS MULCH
(3 CUBIC FT. BAGS) (2 BAGS PER TREE)

219 EA 'BACK TO NATURE' SOIL SUPPLEMENT
(3 CUBIC FT. BAGS) (1 BAG PER TREE)

SOD

10,698 SY U3 BERMUDA SOD

INFILTRATION STRIP NOTES:

1. THE EXCAVATION REQUIRED FOR THE SOD FILTER STRIP IS INCLUDED IN THE GENERAL EARTHWORK FOR THE PROJECT AND IS ESTIMATED AT 178 CY.
2. THE SANDY LOAM BACKFILL MATERIAL MAY BE BORROWED FROM THE EXCAVATION QUANTITIES FROM GENERAL EARTHWORK AND BLENDED TO MEET THE SANDY LOAM REQUIREMENTS (TESTING OF THE EXISTING SOIL MATERIAL SHALL BE CONSIDERED INCIDENTAL TO THE UNIT PRICE BID FOR EARTHWORK).
3. THE GRADATION FOR SANDY LOAM MUST BE 40% SAND, 40% SILT, AND 20% CLAY. IF THIS GRADATION REQUIREMENT CANNOT BE MET WITH THE EXISTING EXCAVATED SOILS ON SITE, THE MATERIAL SHALL BE IMPORTED.
4. IF THE SOIL MATERIAL IS IMPORTED, THE IMPORTED MATERIAL SHALL BE PAID FOR WITH THE PAY ITEM: "INFILTRATION STRIP." (TESTING OF THE IMPORTED SOIL MATERIAL SHALL BE CONSIDERED INCIDENTAL TO THE UNIT PRICE BID FOR INFILTRATION STRIP.)
5. THE INFILTRATION STRIP PAY ITEM SHALL BE CONSIDERED A CONTINGENCY ITEM AND WILL NOT BE APPROVED FOR PAYMENT UNLESS EXISTING EXCAVATION MATERIALS DO NOT MEET THE GRADATION CRITERIA FOR SANDY LOAM SOILS. ALL CONTINGENCY ITEMS MUST BE APPROVED BY THE CITY OF TULSA ENGINEER PRIOR TO THE PERFORMANCE OF THE WORK.



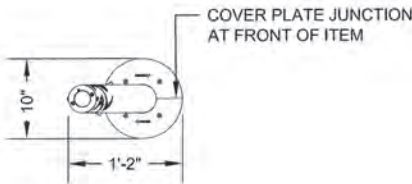
PROJECT # SP 21-6	
FRED JOHNSON PARK	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF PARKS, CULTURE, & RECREATION	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23rd TULSA, OK 74107 918-584-5484	
REVISION	BY DATE
DRAWN	LPCI MAY 2025
DESIGNED	LPCI JUL 2024
SURVEY	FLS APR 2024
PROJ. MGR.	SL 12/10/25
LEAD ENGR.	SL 12/25
FIELD MGR.	SL 1/2/26
LANDSCAPE DETAILS (2)	
SHEET 117 OF 119	



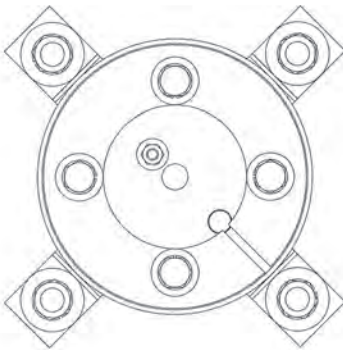
GLOMIST NIGHT TIME IMAGE

VORTEX PLAY PRODUCT SPECIFICATIONS:

1. PLAY PRODUCT STRUCTURE: VOR 7061 IS A CONFIGURATION IN CIRCLE OF EIGHT (8) LUMIFLOW MODULES (VOR-7059) MADE OF 304/304L STAINLESS STEEL WITH AN OUTSIDE DIAMETER OF 10.75" INCHES (273 MM) AND A WALL THICKNESS OF 0.188" INCHES (4.8 MM) FOR THE ENCLOSURE. THE LUMIFLOW SHALL CONSIST OF A RING LED LIGHT WITH 6 FT OF POWER CABLE, A COVER WITH DRAINING OPENING, A NOZZLE, SUBMERSIBLE JUNCTION BOX A HOUSING AND CABLE GLAND. THE RING LED SHALL BE 3X 7.5W TYPE HIGH POWER LED RGB-IN ONE. THE RING LED SHALL BE CONSTRUCTED OF 18-8 STAINLESS STEEL AND BRONZE CASTING, THE LENS IS MADE OF OPTICAL CLEAR 0.5" INCH (12 MM) POLYCARBONATE PLASTIC. THE INSIDE LED POWER CABLE SHALL BE 108" (2.7 M) WITH 5 CONDUCTOR SOOW CABLE AWG 16-5. THE POWER REQUIREMENT FOR THE RING LED HAS TO BE 12 VAC. ALL THE CONNECTIONS ARE MADE INSIDE THE JUNCTION BOX AND NEED TO RESPECT THE NATIONAL ELECTRICAL CODE REQUIREMENTS. FOR CABLE GAGE IN BETWEEN THE JUNCTION BOX AND THE CONTROLLER PLEASE REFER TO THE INSTALLATION DRAWING. THE BRASS SPRAY CAP SHALL BE THREADED INTO THE STAINLESS STEEL SPRAY HEAD HOUSING USING A TAMPER-RESISTANT TOOL. A POLYMER WINTER CAP SHALL BE INCLUDED. THE TOP COVER SHALL HAVE A PAINTING FINISH WITH AN ANTI-SKID FINISH. THE ANCHORING SYSTEM SHALL HAVE AN INTEGRATED LEVELING SYSTEM FACILITATING INSTALLATION. THE MODULE VOR-7059 MUST NOT BE USED IN POOL OR UNDERWATER APPLICATION (PERMANENTLY SUBMERGED).
2. OVERALL PLAY PRODUCT DIMENSIONS: THE OVERALL HEIGHT OF THE PLAY PRODUCT SHALL BE 0" (0 CM) ABOVE GROUND. THE OVERALL HEIGHT OF THE LUMIFLOW MODULE SHALL BE NO LESS THAN 13.5" (34.3 CM). OVERALL CIRCLE SHAPE DIMENSIONS SHALL BE A DIAMETER OF 180" (457 CM).
3. PLAY PRODUCT INTERACTIVITY: THE PLAY PRODUCT SHALL CREATE A VISUAL DISPLAY COMPOSED OF ILLUMINATED WATER COLUMNS. COREOPLAY™ RAINBOW IS A CIRCLE SHAPE FEATURE PRODUCING BURSTING WATER EFFECTS IN A VIBRANT COLOR MOOD. VOR 7061 INCLUDES A PREDESIGNED WATER AND LIGHT PLAY CHOREOGRAPHY PROGRAMMED FOR VORTEX'S MAESTROPRO™ CONTROLLER. THIS PREDESIGNED SEQUENCE IS ENGINEERED AND TESTED BY PLAY EXPERTS IN OUR STATE-OF-THE-ART WATER LAB. THE PLAY PRODUCT'S CHOREOGRAPHY IS CREATED BY A THOUGHTFUL DESIGN PROCESS COMBINING THE WATER JET LAYOUT, COLOR SCHEME, AND LIGHT AND COLOR TIMING.
4. HYDRAULIC ACTIVITY/COMPONENTS: EACH SPRAY CAP SHALL HAVE 10 SPRAY HOLES OF 0.125" (3 MM) PROJECTING A SOFT WATER COLUMN EFFECT.
5. HYDRAULIC REQUIREMENTS: THE HYDRAULIC REQUIREMENTS SHALL BE PER MODULE 4-6 GPM (15-23 LPM) @ 3-5PSI (0.2-0.4BAR), REACH A RECOMMENDED HEIGHT OF 4FT (122 CM). OVERALL HYDRAULIC REQUIREMENTS FOR ENTIRE ITEM 32-48 GPM (121-182 LPM) @ 3-5PSI (0.2-0.4BAR). WATER MANAGEMENT REQUIREMENTS FOR PRE-SET CHOREOGRAPHY: REGULAR VALVES.



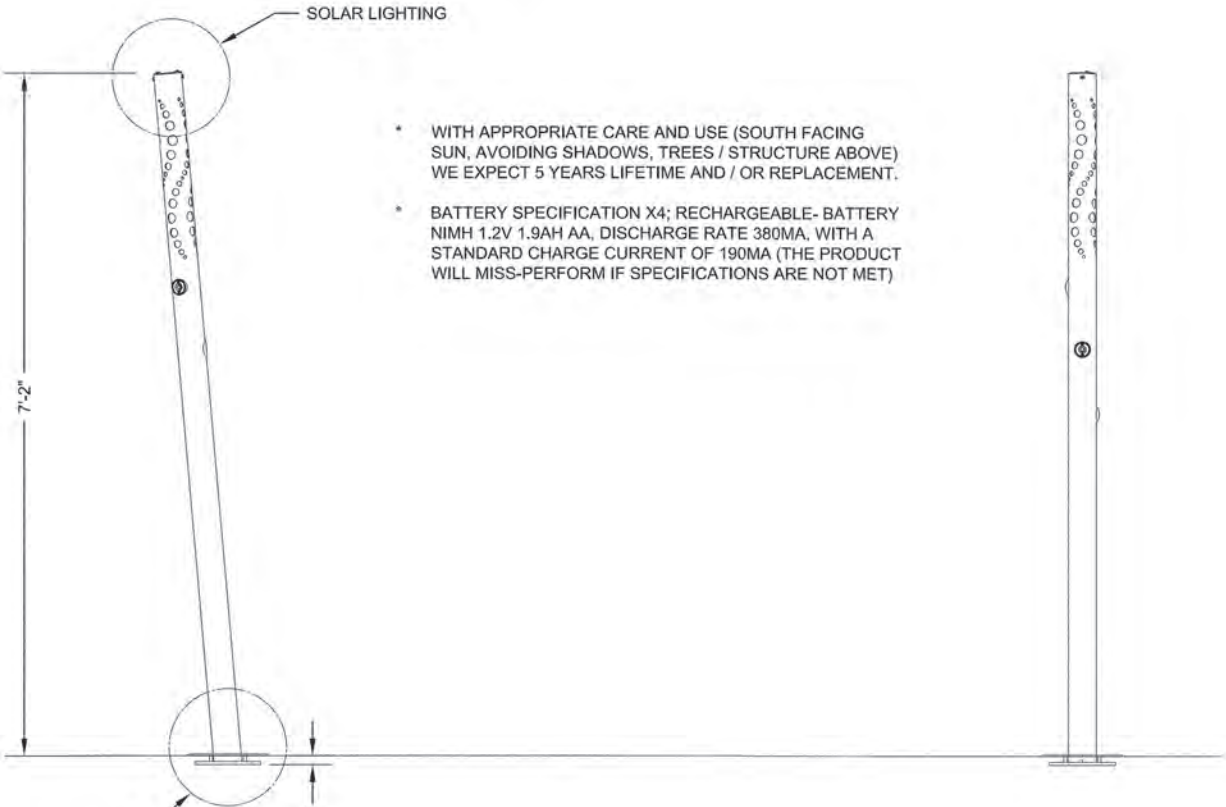
PLAN VIEW



SAFESWAP ORIENTATION VIEW

- NOTES:
1. WATER USAGE DATA TO BE PROVIDED BY MANUFACTURER.
 2. GLOMIST SHALL BE CONNECTED TO POTABLE WATER SOURCE.

(SEE ADDITIONAL DRAWINGS BY VORTEX)



FRONT ELEVATION VIEW

SIDE ELEVATION VIEW

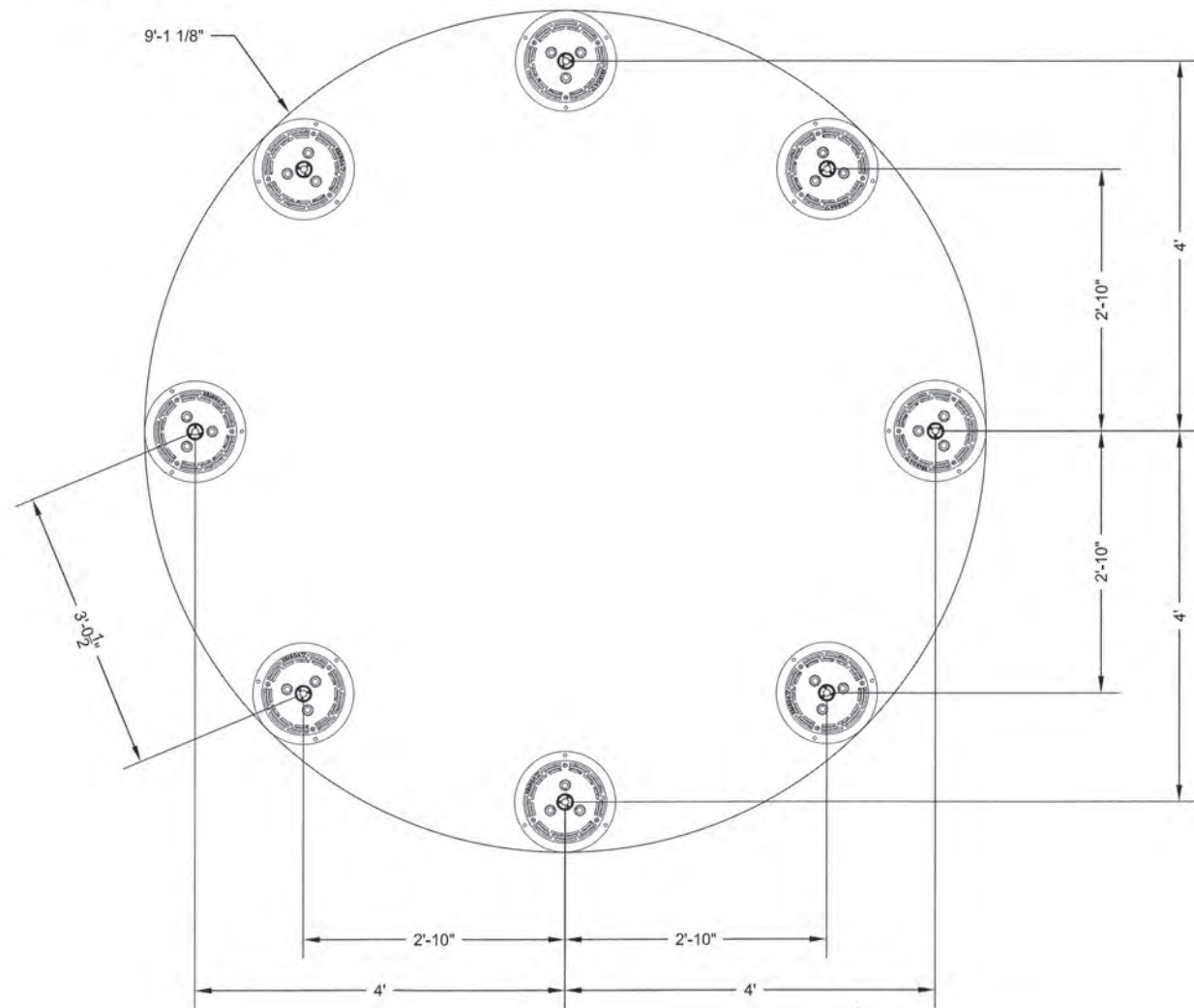
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118
GLOMIST POLE DETAIL (VORTEX NANO)

NOT TO SCALE

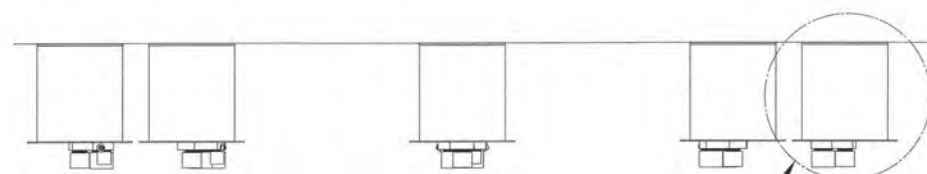


PROJECT # SP 21-6	
FRED JOHNSON PARK	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF PARKS, CULTURE, & RECREATION	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23rd TULSA, OK 74107 918-584-6454	
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DRAWN	LPCI MAY 2025
DESIGNED	LPCI JUL 2024
SURVEY	FLS APR 2024
PROJ. MGR.	SL 12/10/25
LEAD ENGR.	SL 12/12/25
FIELD MGR.	SL 1/26
VORTEX DETAILS (1)	
SHEET 118 OF 119	

PLAN VIEW

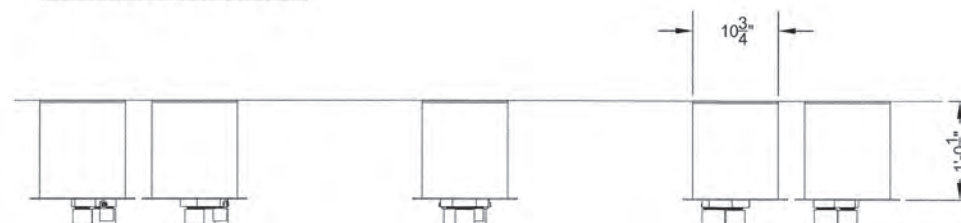


FRONT ELEVATION VIEW



X8 VOR 7059 LUMIFLOW
INSTALLATION KIT LUMIFLOW #103536 (55000.0846)

SIDE ELEVATION VIEW



SIDE ELEVATION VIEW

NOT TO SCALE



COREOPLAY FIREWORK IMAGE

NOTES:

1. SEE THE PIPING AND CONNECTION DIAGRAM FOR PLACEMENT AND DRAINAGE NEEDED.
2. DISTANCE BETWEEN JETS CAN BE CHANGED, BUT WATCH OUT FOR SPRAY ZONE CHANGE. AGAIN REFER TO PIPING AND CONNECTION DIAGRAM.
3. JET AND LIGHT CHOREOGRAPHY REQUIRES A WATER MANAGEMENT SYSTEM WITH FAST ACTING VALVES (FAV).
4. WATER USAGE DATA TO BE PROVIDED BY MANUFACTURER.

(SEE ADDITIONAL DRAWINGS BY VORTEX)

A
119
VORTEX COREOPLAY FIREWORK DETAIL



REVISION				BY	DATE	DRAWN				LPCI				MAY 2025				TULSA, OK 74107				918-584-6454				REVISED			
						DESIGNED				LPCI				JUL 2024															
						SURVEY				FLS				APR 2024															
						PROD. MNGR.				SL				12/10/25															
						LEAD ENGR.				BN				12/29															
						FIELD MNGR.				JRM				1/25															
										VORTEX										SHEET									
										DETAILS (2)										119 OF 119									



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Project Location			
Tulsa, OK			
Project Number			
43213			
Version			
VA			
04/April/2025	Re-Issued for Approval	01	BR
20/Dec/2024	Issued for Approval	00	BR
Date	Revision Description	No.	By

Drawing Title

Site Layout

Drawn by BR	Verified by MAB
Scale 1/16"=1'-0"	Date 04/April/2025

Page #
A-002

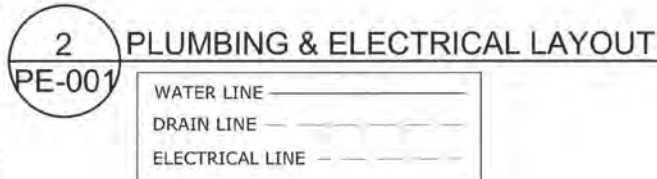
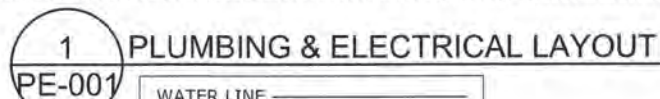
PROJECT # SP 21-6			
FRED JOHNSON PARK REHABILITATION			
CITY OF TULSA, OKLAHOMA DEPARTMENT OF CITY EXPERIENCE			
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS			
1110 WEST 23 RD		TULSA, OK 74107	
		918-584-6584	
DATE	DRAWN	LPCI	DEC 2004
	DESIGNED	LPCI	DEC 2004
	SURVEY	FLS	APR 2004
	PROJ. MNGR.	SL	12/10/05
	LEAD ENGR.	EN	12/25
	FIELD MNGR.	RAW	1/26
VORTEX SITE LAYOUT			SHEET A-002



1 SITE LAYOUT
A-002



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Electrical Line Connections Controller Inputs					
Product Code	From	To	# Conductors	Gauge/Type	Note
EOA	ID1	Solenoid Valves w/ Ball Valve, 1 to 8	2 per Solenoid Valve	16	24VAC Max 300 mA (by Installer)

Product Legend		
Product Ref.	Product	Qty
IA	Activator No.4 VOR 0622	1
IB	Playsafe Drain No.4 VOR-1004	1
IC	Water Distribution System Vault Command Center 43213D2412RC0	1
ID1	MaestroPRO Controller 24 out/ 12 in VOR-33907.3200	1
ID2	MaestroPRO Power Box VOR-33907.3200	1
IE	3" City Water Line (by Installer)	1
IF	6" Drain Line to Municipal Drain (by Installer)	1
IG	4" TYP Drain Line With Strainer Connected to Drainage System. Ensure P-Trap Is Below Frost Line to Prevent Freezing. (by Installer)	1
IH	Lumiflow Power Box VOR-33908.4030	1
	2" Pressure Regulator (by Installer)	1
	2" Backflow Preventer (by Installer)	1
	1" Solenoid Valve with Ball Valve & Union (by Vortex)	8

Project Location			
Tulsa, OK			
Project Number			
43213			
Version			
VA			
04/April/2025	Re-Issued for Approval	01	BR
20/Dec/2024	Issued for Approval	00	BR
Date	Revision Description	No.	By

Plumbing & Electrical Layout

Drawn by BR	Verified by MAB
Scale 3/8"=1'-0"	Date 04/April/2025
Page # PE-001	

PROJECT # SP 21-6			
FRED JOHNSON PARK REHABILITATION			
CITY OF TULSA, OKLAHOMA DEPARTMENT OF CITY EXPERIENCE			
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS (1110 WEST 2ND) TULSA, OK 74103 918-584-6484			
DATE	DRAWN	LPCI	DEC 2005
	DESIGNED	LPCI	DEC 2004
	SURVEY	FLS	APR 2004
	PROJ. MGROR:	SL	12/10/05
	LEAD ENGR:	SL	12/25
	FIELD MGROR:	SL	1/16
VORTEX PLUMBING & ELECTRICAL (01)			SHEET PE-001



JOHNSON PARK SKATEPARK / ART FEATURE

GENERAL SKATEPARK CONSTRUCTION NOTES

A. GENERAL NOTES

1. WRITTEN DIMENSIONS ARE TO TAKE PRECEDENCE OVER SCALED DIMENSIONS. NOTIFY CITY ENGINEER OF ANY DISCREPANCIES FOUND IN THE FIELD.
2. WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDUM.
3. ALL SKATEPARK STRUCTURE CONCRETE AND SHOTCRETE SHALL BE MINIMUM 4000 PSI.
4. ALL EDGES AND CORNERS OF CONCRETE FEATURES SHALL HAVE 1/4" RADII, UNLESS NOTED OTHERWISE.
5. CONTRACTOR SHALL VERIFY AND COORDINATE FINISH GRADES AND CURB EDGES WITH RELATED SITE IMPROVEMENTS. CONTRACTOR SHALL IMMEDIATELY REPORT ANY CONFLICTS OR DISCREPANCIES TO THE CITY ENGINEER.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER HANDLING OF STORM WATER, INCLUDING DEWATERING, AND DEBRIS REMOVAL FROM THE PROJECT SITE, AS NEEDED, DURING CONSTRUCTION AND PRIOR TO PLACING ANY CONCRETE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING GROUND ELEVATIONS, PIPE INVERTS, AND OVERALL TOPOGRAPHY OF THE SITE, AS WELL AS, ALL SITE DIMENSIONS PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CITY ENGINEER IN WRITING OF ANY DIFFERENCES IN TOPOGRAPHY OR SITE DIMENSION THAT DIFFER FROM THOSE SHOWN ON THE PLANS.
8. ALL SKATEPARK STRUCTURE GRADING, COMPACTION, AND EARTHWORK SHALL COMPLY WITH THE RECOMMENDATIONS AND REQUIREMENTS OF THE GEOTECHNICAL REPORT.
9. CONTRACTOR IS ONLY RESPONSIBLE FOR PLACING AGGREGATE BASE A MINIMUM DISTANCE OF FOUR (4) VERTICAL FEET UP ALL TRANSITIONS AS MEASURED FROM THE BASE TANGENT POINT. THIS VARIANCE ONLY APPLIES TO TRANSITIONS THAT APPROACH NEAR VERTICAL CONDITIONS ABOVE FOUR (4) VERTICAL FEET FROM THE BASE TANGENT POINT ELEVATION. SHOTCRETE APPLIED IN CONDITIONS WITHOUT THE AGGREGATE BASE SHALL BE PER THE SPECIFIED THICKNESS. NO ADDITIONAL SHOTCRETE SHALL BE REQUIRED AS THE SUBGRADES WILL BE GRADED TO THE ELEVATIONS OF THE AGGREGATE BASE.
10. ALL RADIAL SHOTCRETE APPLICATIONS SHALL HAVE A RESPECTIVE TEMPLATE READY AND IN PLACE PRIOR TO SHOTCRETE PLACEMENT. SEE SHOTCRETE TEMPLATE DETAIL.

B. EXCAVATIONS

1. ALL EXCAVATIONS AND SUBGRADE PREPARATIONS SHALL BE IN CONFORMANCE WITH THE PROJECT GEOTECHNICAL REPORT.
2. CONTRACTOR SHALL CAREFULLY EXCAVATE ALL MATERIALS NECESSARY OF WHATEVER NATURE, FOR CONSTRUCTION OF THE WORK. ANY MATERIAL OF AN UNSUITABLE OR DELETERIOUS NATURE DISCOVERED BELOW THE BOTTOMS OF THE FOUNDATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
3. FINISH GRADING SHALL BE ACCOMPLISHED IN SUCH A MANNER AS TO SLOPE GRADE (MINIMUM OF 3%) AWAY FROM FOUNDATIONS. GRADING SHALL ALSO ELIMINATE ANY POTENTIAL PONDING NEAR FOUNDATIONS AND TRIPPING HAZARDS.

C. SHOTCRETE

1. ALL SHOTCRETE SHALL BE A MINIMUM 6-INCH THICK UNLESS SHOWN OTHERWISE.
2. AT A MINIMUM, SHOTCRETE SHALL BE USED IN ALL LOCATIONS INDICATED IN THE PLANS AND DETAILS. ALL SHOTCRETE WORK SHALL CONFORM TO THE SPECIFICATION FOR MATERIALS, PROPORTIONING, AND APPLICATION OF SHOTCRETE (ACI506.2-95).
3. ALL SKATEPARK SHOTCRETE SHALL HAVE A HARD TROWEL FINISH UNLESS NOTED OTHERWISE.

D. CONCRETE

1. ALL SKATEPARK CONCRETE SHALL HAVE A HARD TROWEL FINISH UNLESS NOTED OTHERWISE.
2. ALL SKATEPARK STRUCTURE CONCRETE SHALL BE A MINIMUM 6-INCH THICK UNLESS SHOWN OTHERWISE.
3. ALL SKATEPARK CONCRETE SHALL BE READY MIXED CONFORMING WITH ASTM C-94, 4" MAX. SLUMP, AND ATTAIN A MINIMUM OF 4000 PSI COMPRESSIVE STRENGTH AT 28 DAYS:
4. CONCRETE FOOTINGS AND PADS MAY BE POURED AGAINST NEAT EXCAVATIONS.
5. CURING OF CONCRETE SHALL BE PER THE SKATEPARK STRUCTURE CONCRETE PAVING 02520 AND SHOTCRETE 03370 SPECIFICATIONS SECTIONS.
6. ALL REINFORCING BARS, ANCHOR BOLTS AND CONCRETE INSERTS SHALL BE SECURED IN POSITION AND INSPECTED BY SPECIAL INSPECTOR PRIOR TO PLACING CONCRETE.
7. ALL CONCRETE FORM WORK SHALL REMAIN IN PLACE UNTIL CONCRETE REACHES 70 PERCENT OF DESIGN CAPACITY AND NO EARLIER THAN (7) SEVEN DAYS SUBSEQUENT TO PLACEMENT.
8. ALL CONCRETE SHALL BE PROTECTED BY CONTRACTOR FOR ANY DAMAGES OR GRAFFITI.

E. REINFORCEMENT

1. ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A-615 GRADE 60.
2. ALL REINFORCING BARS SHALL HAVE A 24-INCH OVERLAP, TYP.; SEE SPECIFICATIONS.
3. ALL REINFORCING IN CONCRETE SHALL BE CONTINUOUS OR LAPPED IN ACCORDANCE WITH ACI 318.
4. ACCURATELY POSITION, SUPPORT, AND SECURE REINFORCEMENT FROM DISPLACING DUE TO FORM WORK, CONSTRUCTION, OR CONCRETE PLACEMENT OPERATIONS. LOCATE AND SUPPORT REINFORCING BY METAL CHAIRS, RUNNER, BOLSTERS, SPACERS, AND HANGERS AT A MAXIMUM 3 FOOT SPACING.
5. ALL REINFORCEMENT TO BE WELDED SHALL BE A706 GRADE 60.
6. ALL REINFORCEMENT SHALL BE INSPECTED BY SPECIAL INSPECTOR PRIOR TO ANY PLACEMENT OF CONCRETE OR SHOTCRETE.

INDEX OF SHEETS

NO.	SHEET	DESCRIPTION
1.	SP-1.0	SKATEPARK GENERAL NOTES
2.	SP-1.1	SKATEPARK FEATURE PLAN
3.	SP-2.0	SKATEPARK LAYOUT PLAN
4.	SP-3.0	SKATEPARK GRADING PLAN
5.	SP-4.0	SKATEPARK MATERIALS PLAN
6.	SP-5.0	SKATEPARK METAL MATERIALS PLAN
7.	SP-6.0	SKATEPARK JOINTING PLAN
8.	SP-7.0	SKATEPARK CONSTRUCTION PLAN
9.	SP-8.0	SKATEPARK STANDARD DETAILS (FLATWORK, JOINTING, AND TURNDOWNS)
10.	SP-8.1	SKATEPARK STANDARD DETAILS (FOOTINGS AND SHOTCRETE)
11.	SP-8.2	SKATEPARK STANDARD DETAILS (METALS)
12.	SP-9.0	SKATEPARK DETAILS
13.	SP-9.1	SKATEPARK DETAILS
14.	SP-9.2	SKATEPARK DETAILS

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SKATEPARK PROJECT MANAGER

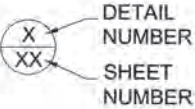
ZACH WORMHOUDT
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ABBREVIATIONS

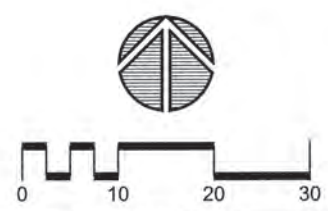
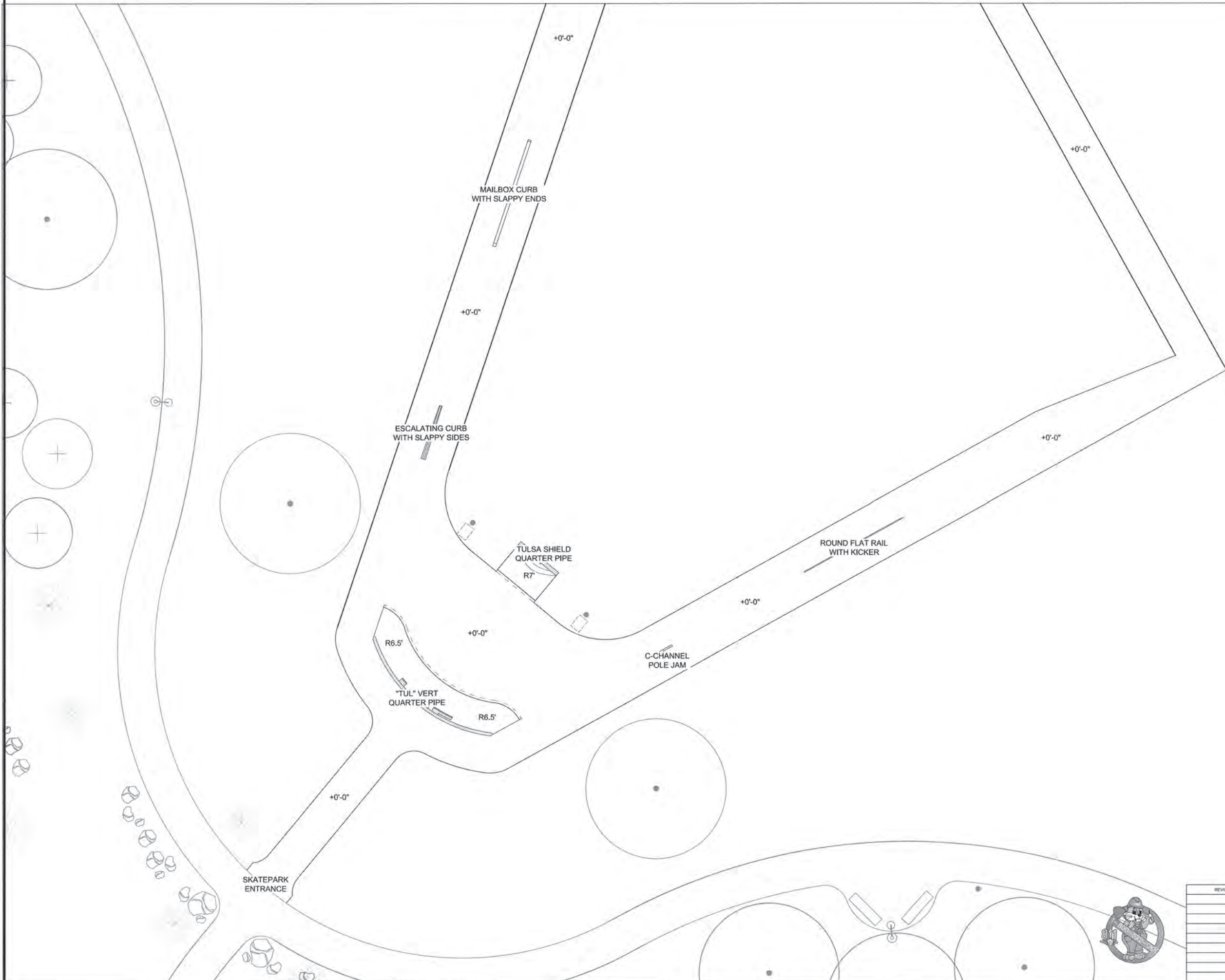
@	AT	HORIZ.	HORIZONTAL	TC	TOP OF CURB
ALT.	ALTERNATE	I.D.	INSIDE DIAMETER	TD	TOP OF DRAIN
BETW.	BETWEEN	O.D.	OUTER DIAMETER	THK.	THICK
BOT.	BOTTOM	INV. EL.	INVERT ELEVATION	TF	TOP OF FENCE
CL	CENTERLINE	LF	LINEAR FEET	TW	TOP OF WALL
CJ	COLD JOINT	LM	LINEAR METER	TYP.	TYPICAL
CONC.	CONCRETE	MAX.	MAXIMUM	VERT.	VERTICAL
CONT.	CONTINUOUS	MIN.	MINIMUM	W/	WITH
DD	DECK DRAIN	(N)	NEW		
Ø	DIAMETER	N/A	NOT APPLICABLE		
EA.	EACH	N.I.C.	NOT IN CONTRACT		
EJ	EXPANSION JOINT	N.T.S.	NOT TO SCALE		
(E)	EXISTING	O.C.	ON CENTER		
FG	FINISH GRADE	RAD.	RADIUS		
FS	FINISH SURFACE	REBAR	STEEL REINFORCEMENT		
GALV.	GALVANIZED	RE	RIM ELEVATION		
HP	HIGH POINT	TP	TANGENT POINT		

SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SKATEPARK STRUCTURE		THICKENED EDGE; DETAIL 3/SP8.0
	COLD JOINT (CJ); DETAIL 4/SP8.0		CAST IN PLACE TURNDOWN WALL WITH FOOTING; DETAIL 7/SP8.0 & 9/SP8.1
	METAL EDGING; SEE METALS PLAN		SKATEPARK STRUCTURE SHOTCRETE: 4,000 PSI, 6" THICK WITH #3 REINFORCEMENT @ 12" O.C.
	CANTILEVER METAL EDGING; SEE METALS MATERIALS PLAN		CAST IN PLACE CONCRETE: 4,000 PSI, #4 REINFORCEMENT @ 12" O.C.
	BLEND ZONE		SKATEPARK STRUCTURE FLATWORK: 4,000 PSI, 6" THICK WITH #3 REINFORCEMENT @ 18" O.C.
	HORIZONTAL LAYOUT BENCHMARK		PEDESTRIAN SIDEWALK FLATWORK: 4,000 PSI, 4" THICK
	MEET FLUSH WITH ADJACENT CONCRETE		SUBBASE: 6" THICK, COMPACT TO 95% MIN. RELATIVE COMPACTION, REFER TO THE GEOTECHNICAL REPORT.
	SPOT ELEVATION		SUBGRADE: COMPACT TO A MINIMUM OF 95% MIN. RELATIVE COMPACTION, REFER TO THE GEOTECHNICAL REPORT.
	RIDGELINE		
	TERRAIN SLOPE DIRECTION		
	SURFACE FLOW DIRECTION. SLOPE MIN. 1.0% UNLESS SHOWN OTHERWISE.		
	SAWCUT; DETAIL 5/SP8.0		
	EXPANSION JOINT (EJ); DETAIL 6/SP8.0		



PROJECT # SP 21-6			
FRED JOHNSON PARK REHABILITATION			
CITY OF TULSA, OKLAHOMA DEPARTMENT OF CITY EXPERIENCE			
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23RD TULSA, OK 74107 (918) 746-1307			
DESIGNED	CSP	APR 2025	
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PROJ. MGR.	SL	3/26	
LEAD ENGR.	HN	8/26	
FIELD MGR.	HN	5/26	
SKATEPARK GENERAL NOTES		SHEET SP-1.0	



PROJECT # SP 21-6
FRED JOHNSON PARK
REHABILITATION
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF CITY EXPERIENCE

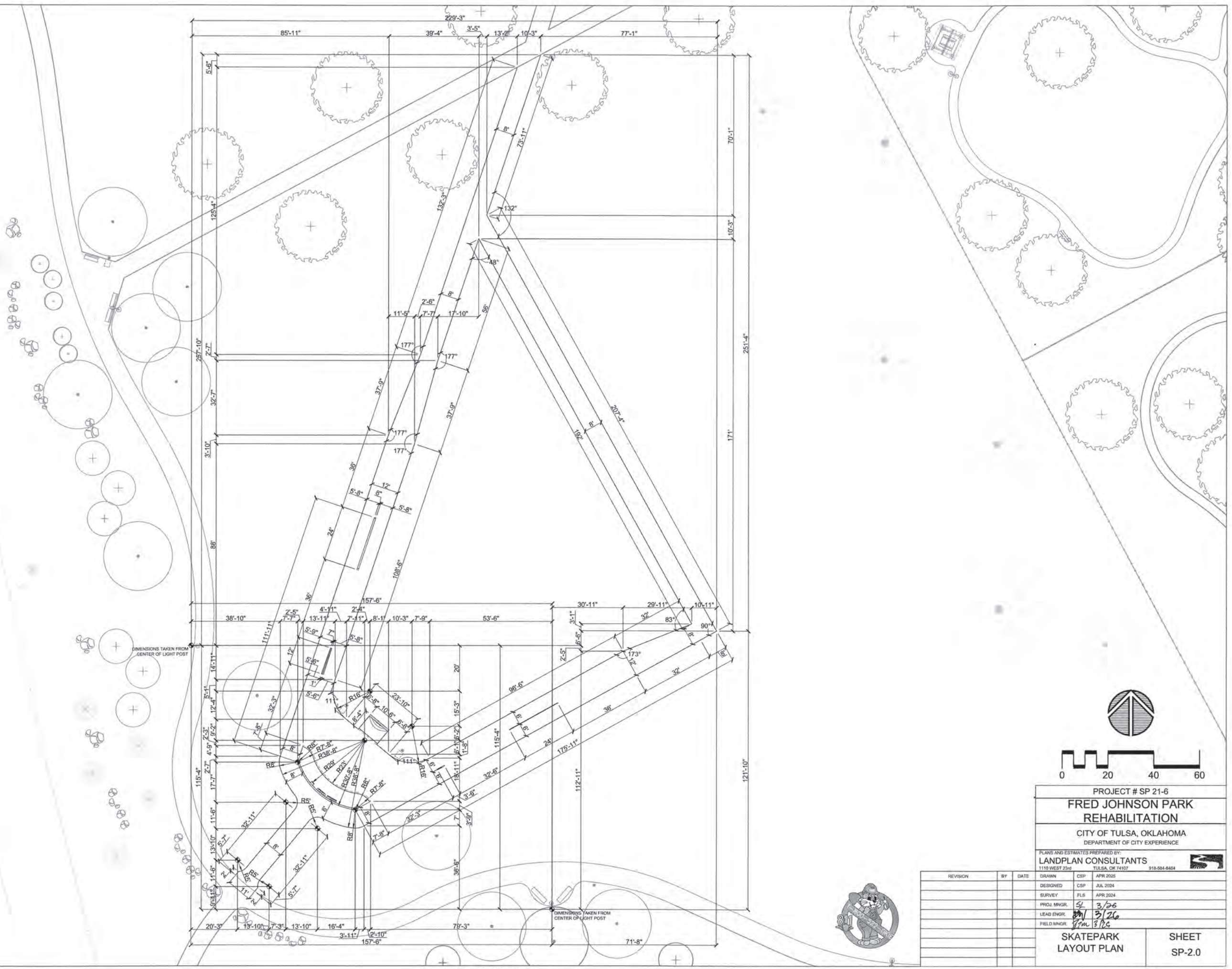
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1119 WEST 23rd TULSA, OK 74107 918-284-8454

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			DESIGNED	CSP	JUL 2024
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			PROJ. MNGR.	FL	3/26
			LEAD ENGR.	FL	3/26
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SKATEPARK
FEATURE PLAN

SHEET
SP-1.1





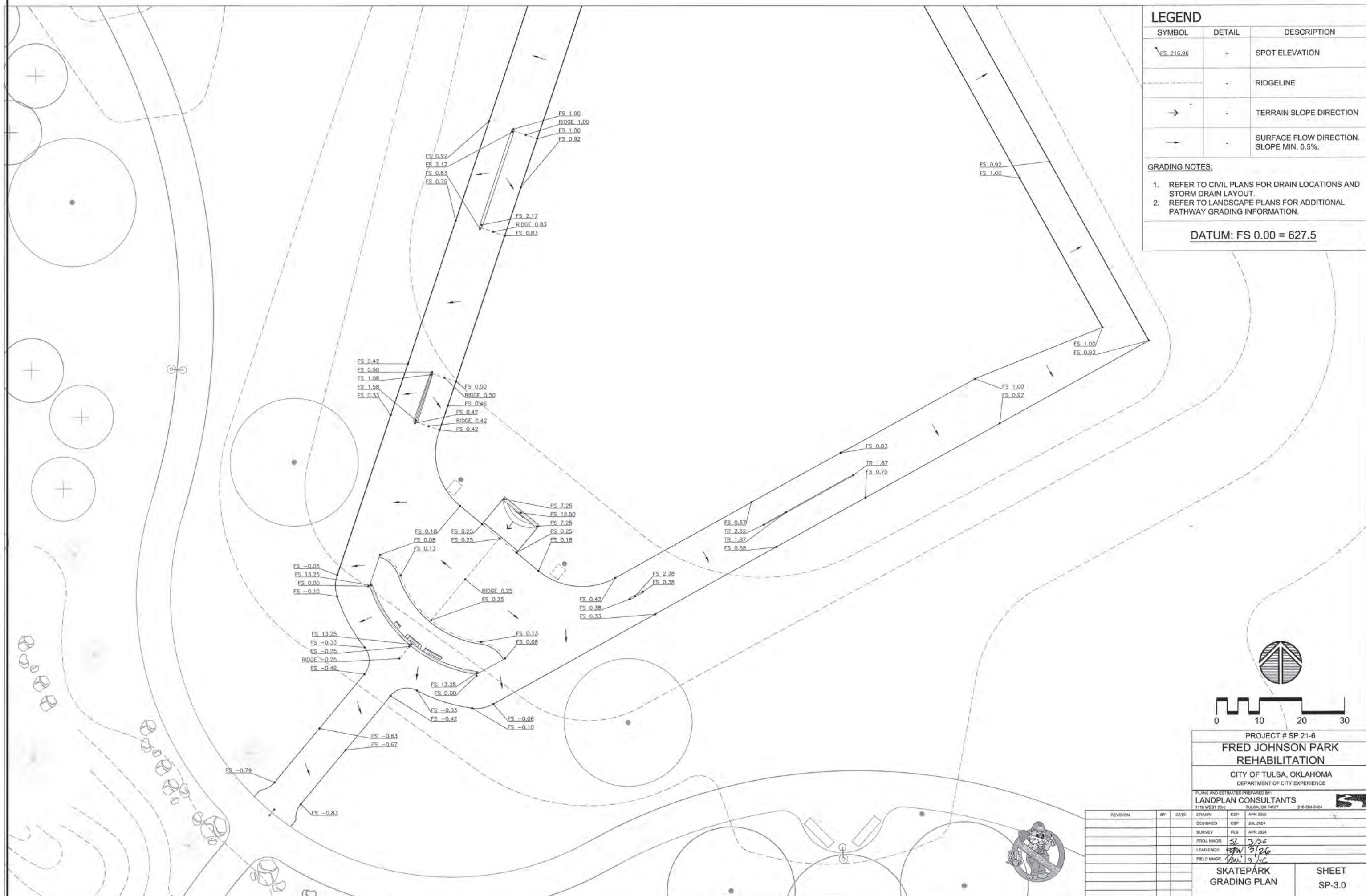
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CENTER OF LIGHT POST

DIMENSIONS TAKEN FROM
CENTER OF LIGHT POST



PROJECT # SP 21-6									
FRED JOHNSON PARK REHABILITATION									
CITY OF TULSA, OKLAHOMA DEPARTMENT OF CITY EXPERIENCE									
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23rd TULSA, OK 74107 918-484-6484									
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			DESIGNED	CSP	JUL 2024				
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SKATEPARK LAYOUT PLAN								SHEET SP-2.0	



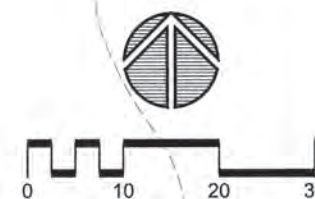


LEGEND		
SYMBOL	DETAIL	DESCRIPTION
	-	SPOT ELEVATION
	-	RIDGELINE
	-	TERRAIN SLOPE DIRECTION
	-	SURFACE FLOW DIRECTION. SLOPE MIN. 0.5%.

GRADING NOTES:

1. REFER TO CIVIL PLANS FOR DRAIN LOCATIONS AND STORM DRAIN LAYOUT.
2. REFER TO LANDSCAPE PLANS FOR ADDITIONAL PATHWAY GRADING INFORMATION.

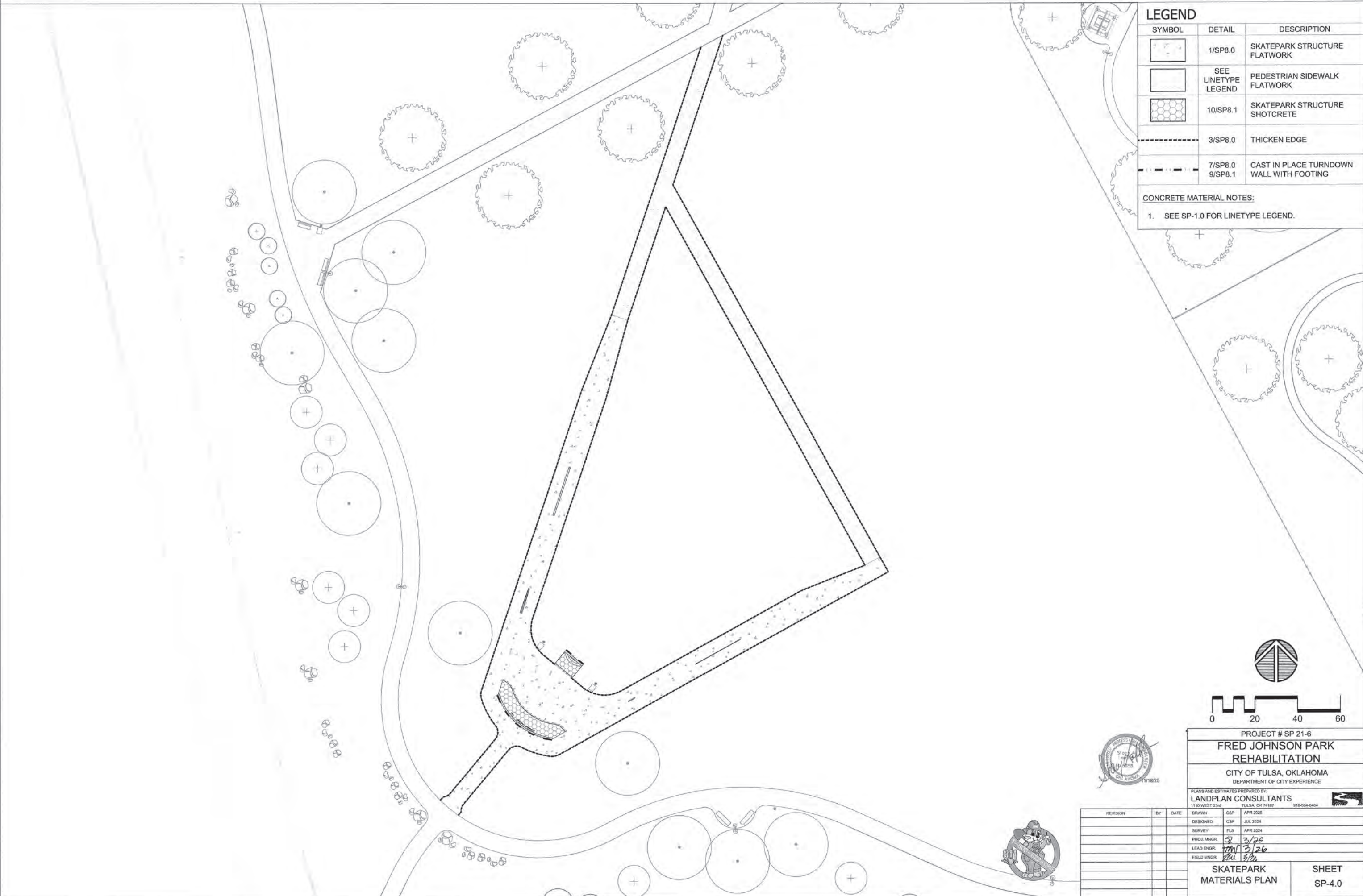
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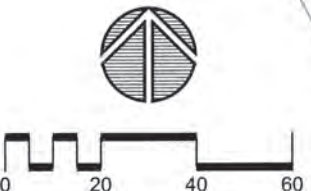
PROJECT # SP 21-6
FRED JOHNSON PARK REHABILITATION
CITY OF TULSA, OKLAHOMA DEPARTMENT OF CITY EXPERIENCE

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
3330 LINDSEY DRIVE DUBLIN, CA 94568 (415) 834-8204

REVISION	BY	DATE	DRAWN	CSP	APR 2024	1150 WEST 23RD TULSA, OK 74107	918-584-6484	03-2024
			DESIGNED	CSP	JUL 2024			
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			PROD. MNGR.	SP	3/26			
			LEAD ENGR.	SP	3/26			
			FIELD MNGR.	FLS	3/26			
SKATEPARK GRADING PLAN							SHEET SP-3.0	

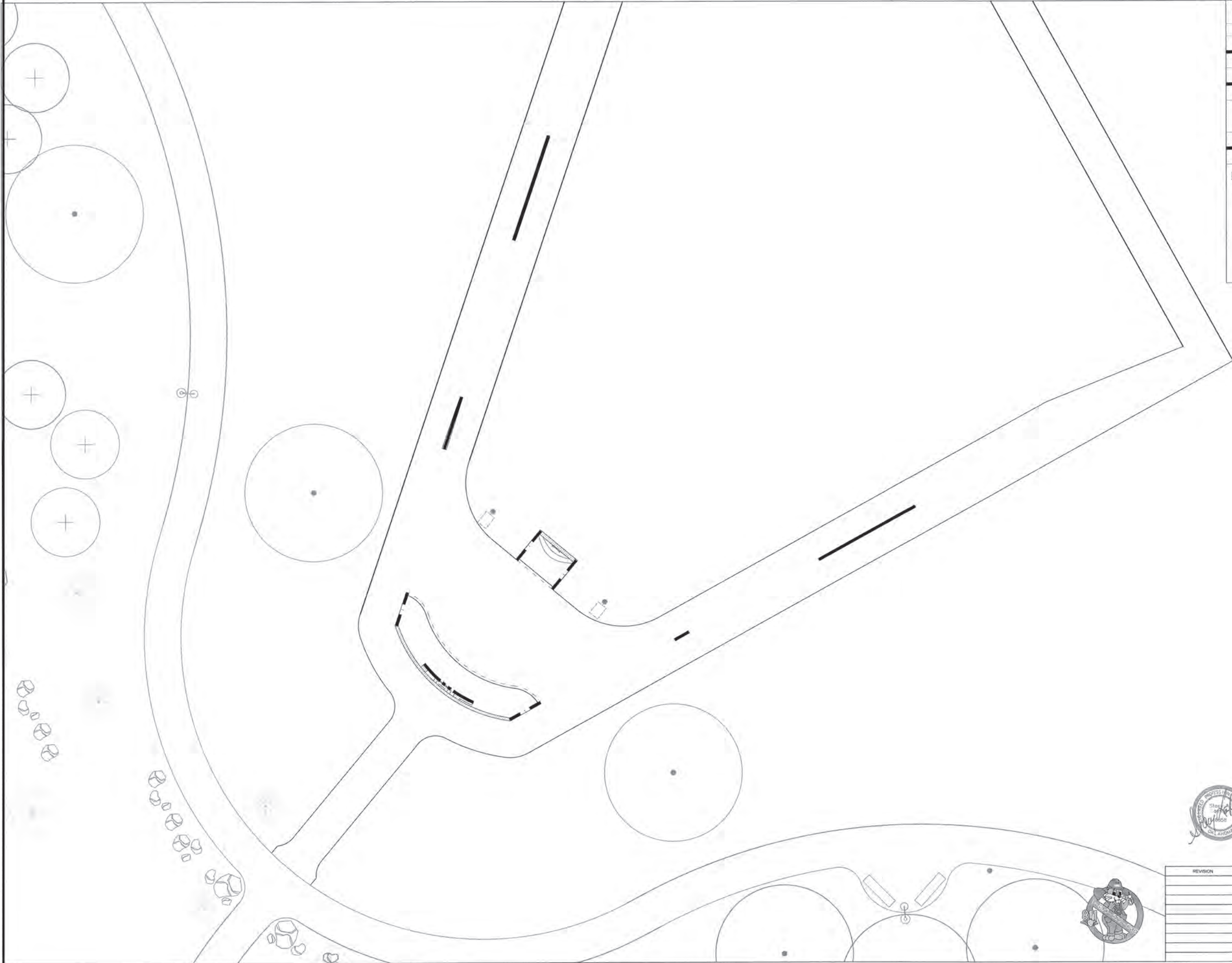


LEGEND		
SYMBOL	DETAIL	DESCRIPTION
	1/SP8.0	SKATEPARK STRUCTURE FLATWORK
	SEE LINETYPE LEGEND	PEDESTRIAN SIDEWALK FLATWORK
	10/SP8.1	SKATEPARK STRUCTURE SHOTCRETE
	3/SP8.0	THICKEN EDGE
	7/SP8.0 9/SP8.1	CAST IN PLACE TURNDOWN WALL WITH FOOTING
CONCRETE MATERIAL NOTES:		
1. SEE SP-1.0 FOR LINETYPE LEGEND.		



PROJECT # SP 21-6	
FRED JOHNSON PARK REHABILITATION	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF CITY EXPERIENCE	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1115 WEST 23rd TULSA, OK 74107 918-584-6454	
REVISION	BY DATE
DRAWN	CSP APR 2025
DESIGNED	CSP JUL 2024
SURVEY	FLS APR 2024
PROJ. MGR.	SL 3/26
LEAD ENGR.	WH 3/26
FIELD MGR.	KW 5/26
SKATEPARK MATERIALS PLAN	
SHEET SP-4.0	



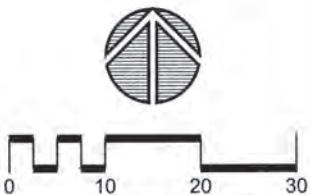


LEGEND

SYMBOL	DETAIL	DESCRIPTION
	16/SP8.2	STEEL PIPE COPING
	17/SP8.2	CUSTOM STEEL PLATE
	SEE DETAILS	CUSTOM SKATE FEATURE WITH CUSTOM METALS

METALS NOTES:

- PRIME ALL SKATEPARK METALS AND PAINT SURFACES WITH "PRO INDUSTRIAL WATERBASED ALKYD URETHANE" OR APPROVED EQUAL.
- PAINT ALL METALS AND PAINT SURFACES WITH TWO (2) COATS OF SHERWIN WILLIAMS "PRO INDUSTRIAL WATERBASED ALKYD URETHANE COATING", SEE DETAILS FOR COLOR.
- ALL COLORS TO BE SUBMITTED FOR REVIEW AND APPROVED BY DESIGNER PRIOR TO APPLICATION.



PROJECT # SP 21-6
**FRED JOHNSON PARK
REHABILITATION**
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF CITY EXPERIENCE

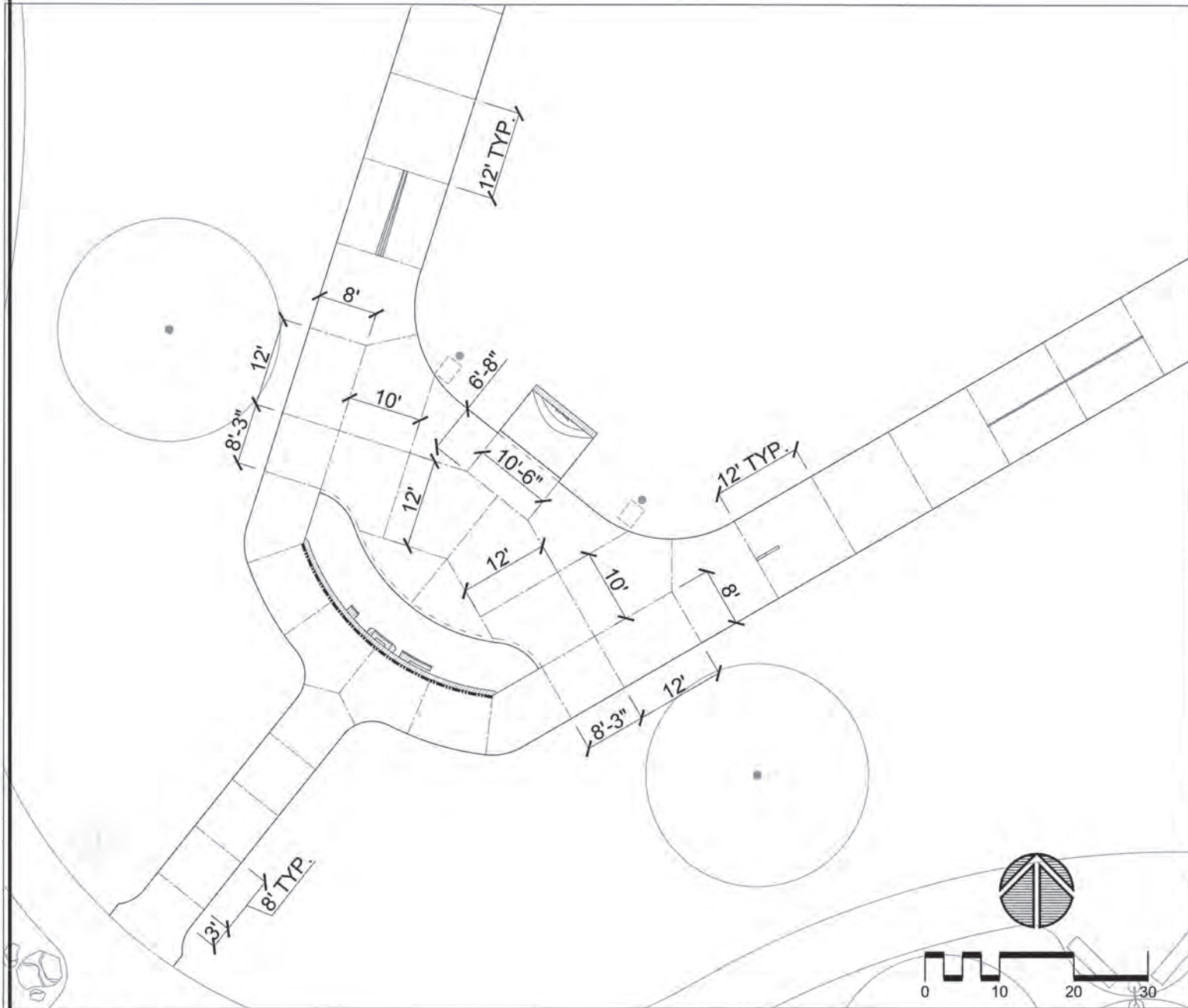
PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23rd TULSA, OK 74107 918-584-8454

REVISION	BY	DATE	DRAWN	CSP	APR 2025
			DESIGNED	CSP	JUL 2024
			SURVEY	FLS	APR 2024
			PROJ. MGR.	SL	3/26
			LEAD ENGR.	PAV	3/26
			FIELD MGR.	WHL	3/26

SKATEPARK
METAL MATERIALS
PLAN

SHEET
SP-5.0



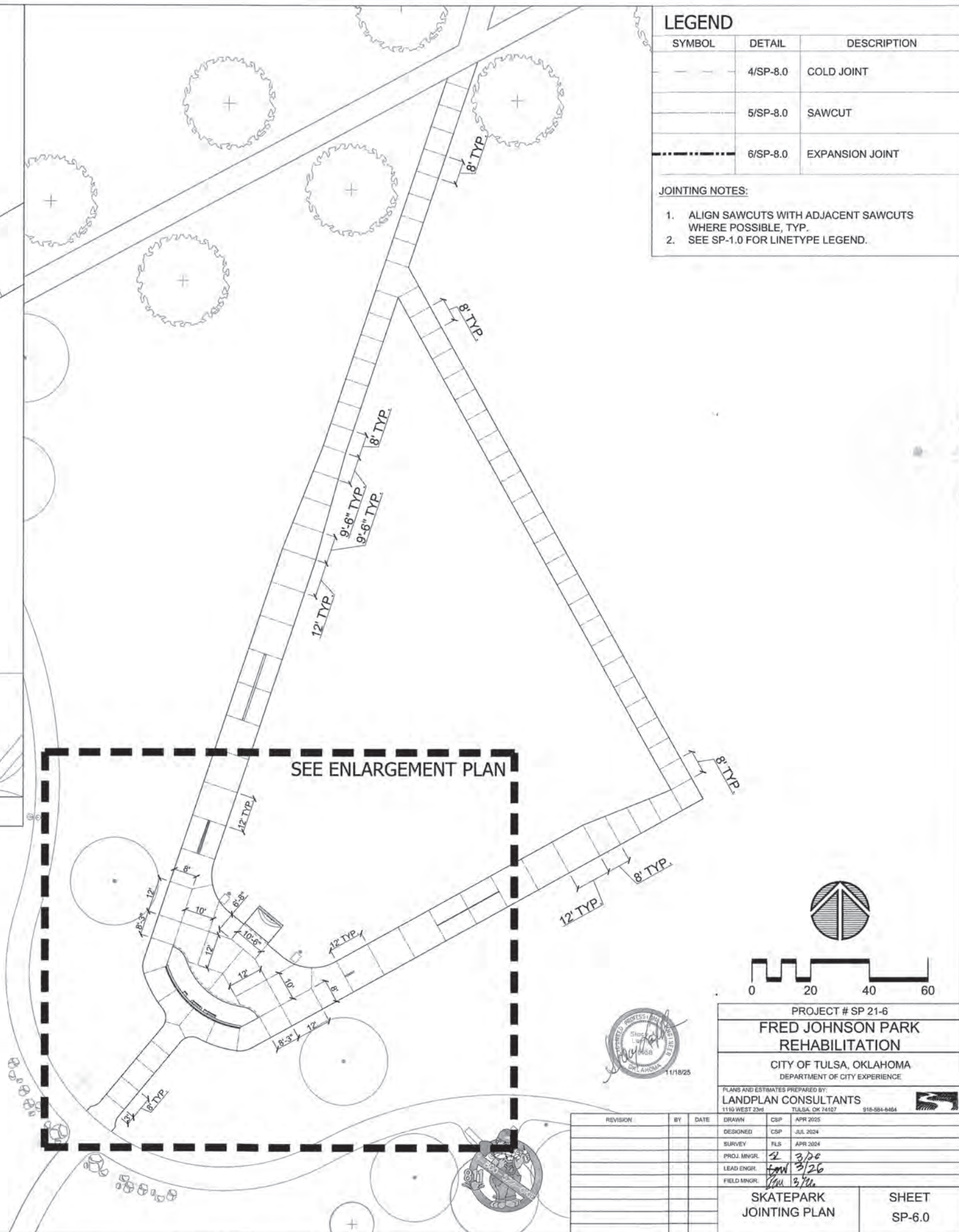


ENLARGEMENT PLAN

LEGEND		
SYMBOL	DETAIL	DESCRIPTION
	4/SP-8.0	COLD JOINT
	5/SP-8.0	SAWCUT
	6/SP-8.0	EXPANSION JOINT

JOINTING NOTES:

1. ALIGN SAWCUTS WITH ADJACENT SAWCUTS WHERE POSSIBLE, TYP.
2. SEE SP-1.0 FOR LINETYPE LEGEND.

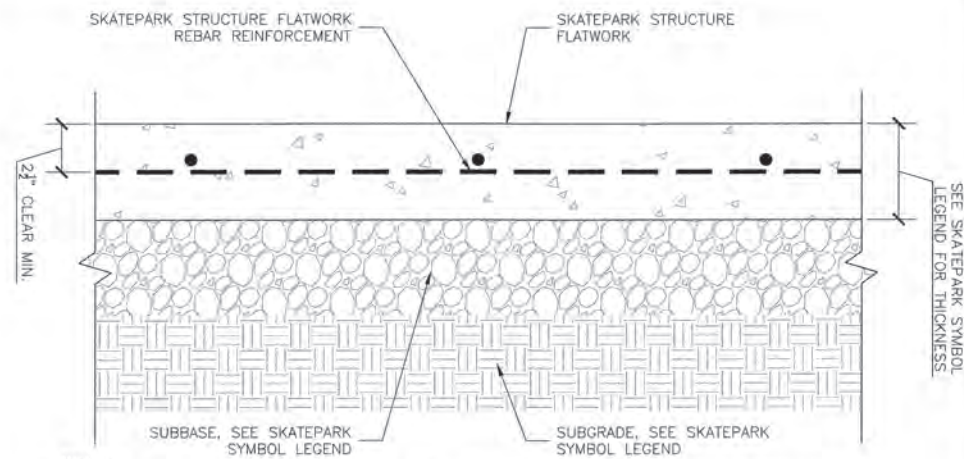


PROJECT # SP 21-6
**FRED JOHNSON PARK
REHABILITATION**
CITY OF TULSA, OKLAHOMA
DEPARTMENT OF CITY EXPERIENCE

PLANS AND ESTIMATES PREPARED BY:
LANDPLAN CONSULTANTS
1110 WEST 23rd TULSA, OK 74107 918-584-8464

REVISION	BY	DATE	DRAWN	CSP	APR 2025
			DESIGNED	CSP	JUL 2024
			SURVEY	FLS	APR 2024
			PROJ. MGR.	SL	3/26
			LEAD ENGR.	FW	3/26
			FIELD MGR.	FW	3/26

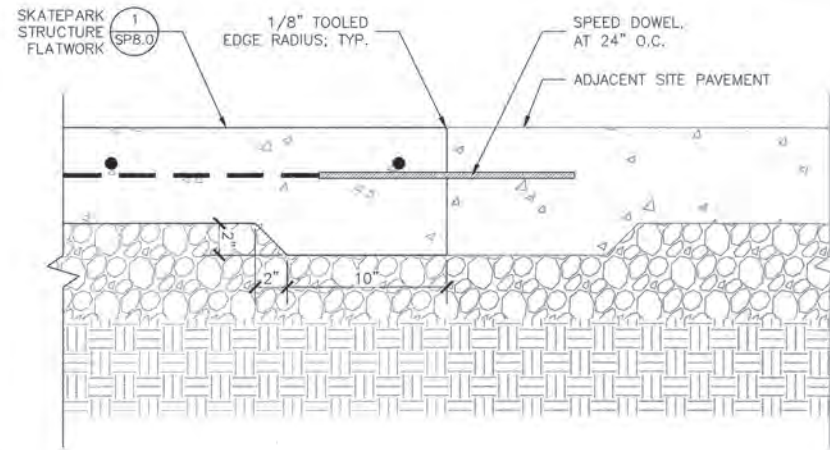
SKATEPARK JOINTING PLAN	SHEET SP-6.0
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- NOTES:
1. SEE SKATEPARK SYMBOL LEGEND FOR FLATWORK THICKNESS AND REINFORCEMENT REQUIREMENTS.
 2. ALL FLATWORK SHALL BE CONSTRUCTED ON SUBBASE AND SUBGRADE MATERIAL. SEE SYMBOL LEGEND FOR SUBBASE AND SUBGRADE THICKNESS AND COMPACTION REQUIREMENTS.
 3. ALL FLATWORK TO HAVE A HARD TROWEL FINISH UNLESS NOTED OTHERWISE.

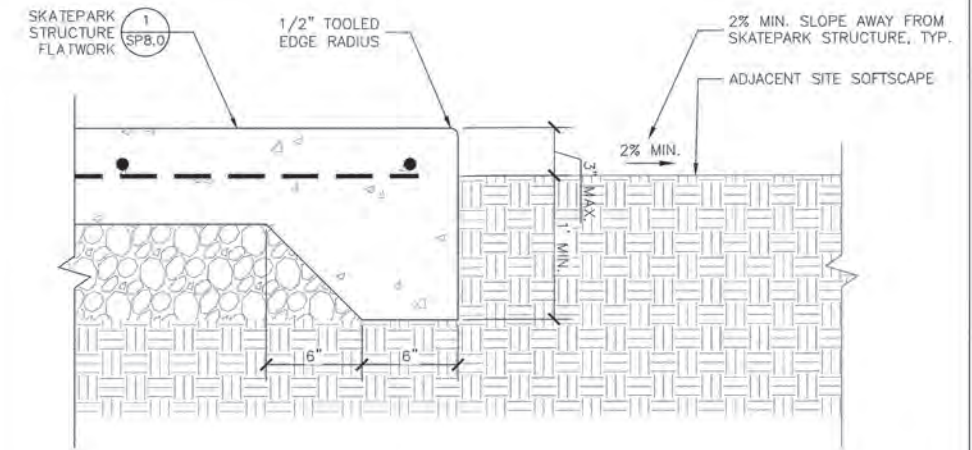
SKATEPARK STRUCTURE FLATWORK

2"=1'-0" 1



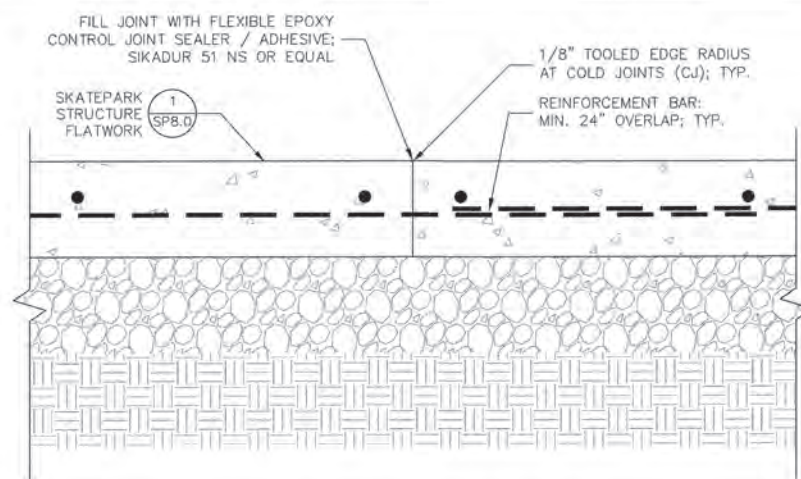
SKATEPARK FLATWORK AT ADJACENT SITE PAVEMENT

2"=1'-0" 2



SKATEPARK THICKENED EDGE

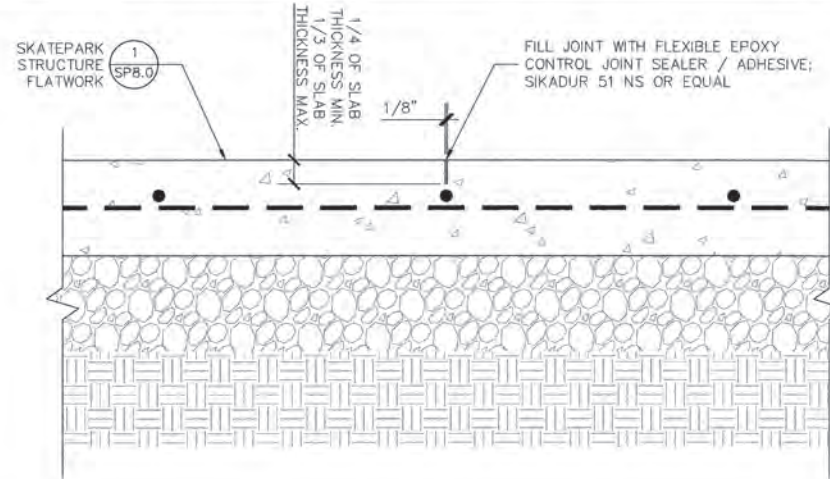
2"=1'-0" 3



- NOTES:
1. ALL REINFORCEMENT BAR MUST HAVE MINIMUM 24" OVERLAP AND BE CONTINUOUS THROUGHOUT.
 2. SEE JOINTING PLAN AND DETAILS FOR COLD JOINT LOCATIONS.

SKATEPARK FLATWORK COLD JOINT (CJ)

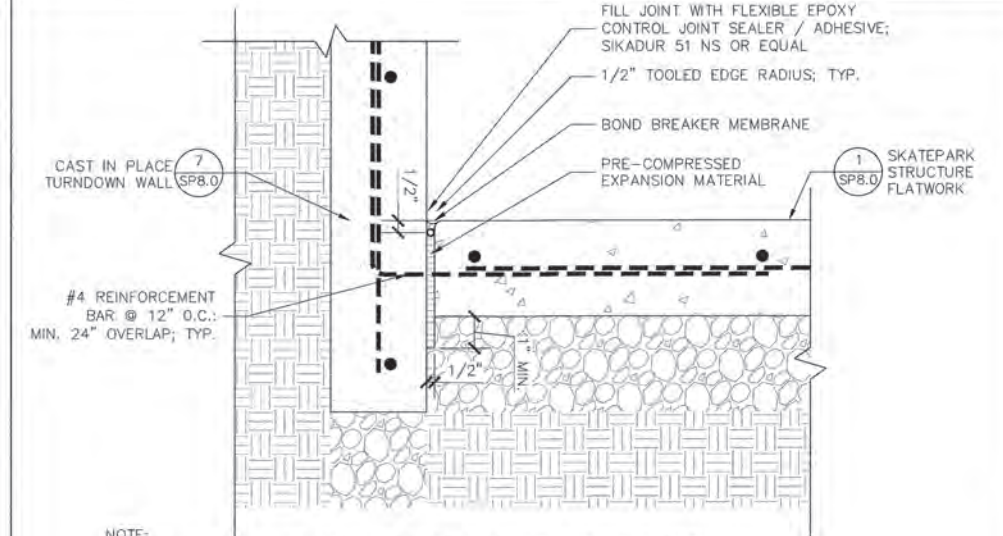
2"=1'-0" 4



- NOTES:
1. SEE SKATEPARK JOINTING PLAN FOR SAWCUT LOCATIONS.

SKATEPARK STRUCTURE SAWCUT

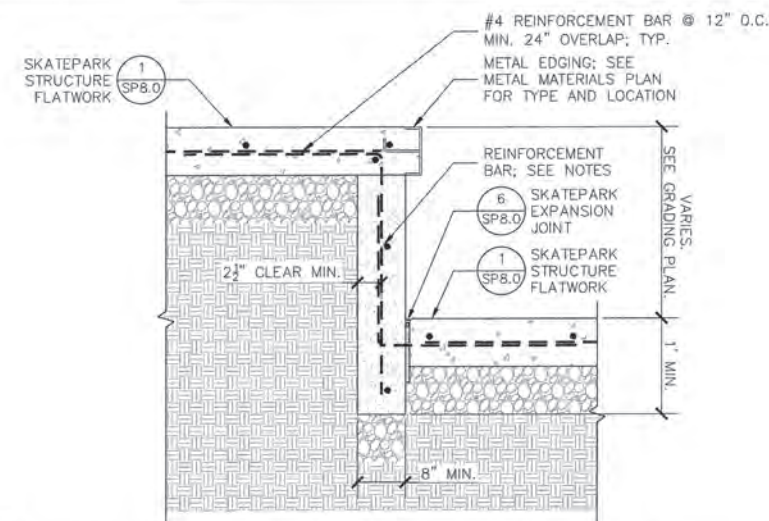
2"=1'-0" 5



- NOTE:
1. MINIMUM CAULKING THICKNESS WITH BOND BREAKER IN PLACE IS 1/2".
 2. SEE SKATEPARK JOINTING PLAN FOR EXPANSION JOINT LOCATIONS.

SKATEPARK EXPANSION JOINT (EJ)

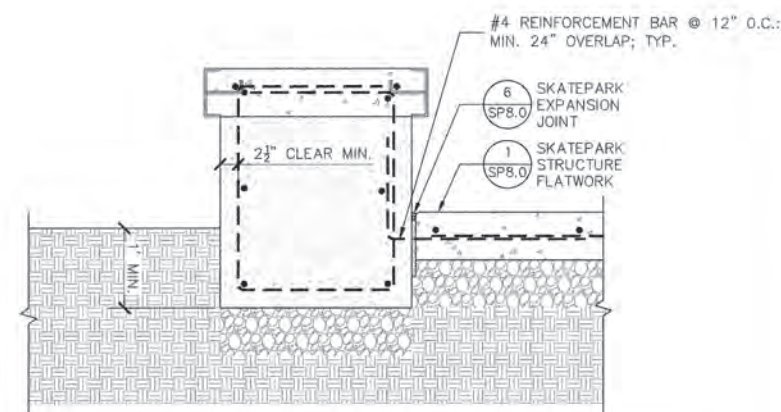
2"=1'-0" 6



- NOTES:
1. ALL REINFORCEMENT BAR MUST HAVE MINIMUM 24" OVERLAP AND BE CONTINUOUS THROUGHOUT.
 2. SEE SKATEPARK SYMBOL LEGEND FOR REINFORCEMENT REQUIREMENTS.

CAST IN PLACE TURNDOWN WALL

1"=1'-0" 7



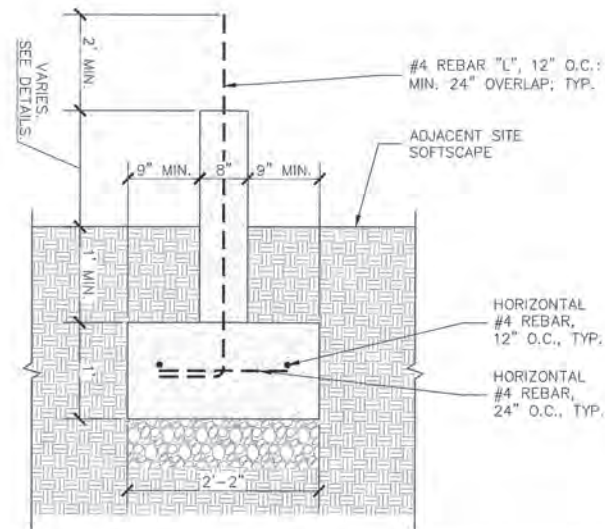
- NOTES:
1. ALL REINFORCEMENT BAR MUST HAVE MINIMUM 24" OVERLAP AND BE CONTINUOUS THROUGHOUT.
 2. SEE SKATEPARK SYMBOL LEGEND FOR FLATWORK THICKNESS AND REINFORCEMENT REQUIREMENTS.
 3. ALL FLATWORK TO HAVE A HARD TROWEL FINISH UNLESS NOTED OTHERWISE.

CAST IN PLACE LEDGE

1"=1'-0" 8



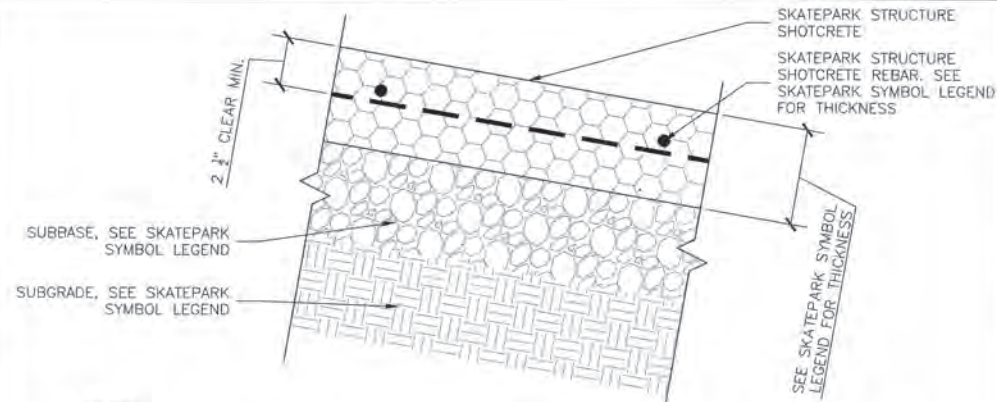
PROJECT # SP 21-6			
FRED JOHNSON PARK REHABILITATION			
CITY OF TULSA, OKLAHOMA			
DEPARTMENT OF CITY EXPERIENCE			
PLANS AND ESTIMATES PREPARED BY:			
LANDPLAN CONSULTANTS			
1110 WEST 23rd TULSA, OK 74107 918-564-6454			
REVISION	BY	DATE	
DRAWN	CSP	APR 2025	
DESIGNED	CSP	JUL 2024	
SURVEY	FLS	APR 2024	
PROJ. MGR.	SL	3/28	
LEAD ENGR.	RPN	3/26	
FIELD MGR.	JRM	3/26	
SKATEPARK STANDARD DETAILS			SHEET SP-8.0



NOTES:
1. ALL REINFORCEMENT BAR MUST HAVE MINIMUM 24" OVERLAP AND BE CONTINUOUS THROUGHOUT.

CAST IN PLACE WALL FOOTING

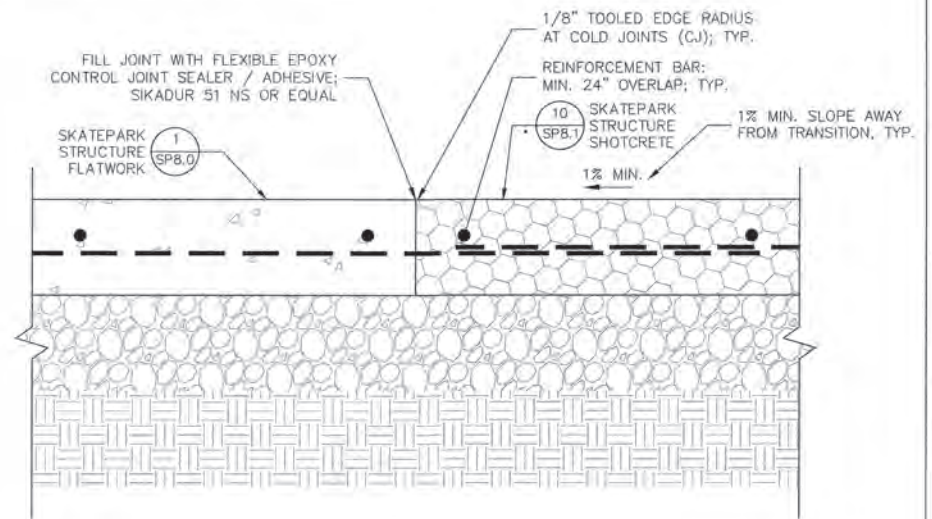
1"=1'-0" 9



NOTES:
1. SEE SKATEPARK SYMBOL LEGEND FOR SHOTCRETE THICKNESS AND REINFORCEMENT REQUIREMENTS.
2. ALL SHOTCRETE SHALL BE CONSTRUCTED ON SUBBASE AND SUBGRADE MATERIAL. SEE SYMBOL LEGEND FOR SUBBASE AND SUBGRADE THICKNESS AND COMPACTION REQUIREMENTS, AND TRANSITION SUBBASE APPLICATION DETAIL 14/SP8.1 FOR SUBBASE APPLICATION REQUIREMENTS.
3. ALL SHOTCRETE TO HAVE A HARD TROWEL FINISH UNLESS NOTED OTHERWISE.
4. ALL TRANSITIONS (RADIAL WALLS) AND BANKS (EMBANKMENT WALLS) SHALL BE CUT, SCREEDED AND INSPECTED WITH TEMPLATES CUT TO THE SPECIFIED RADIUS / ANGLE PER DETAIL 13/SP8.1. CONTRACTOR IS TO SUBMIT SHOP DRAWINGS FOR TEMPLATE SIZE, MATERIAL, AND LOCATION TO BE USED FOR APPROVAL BY OWNER AND SKATEPARK DESIGNER.
5. ALL SHOTCRETE TRANSITIONS AND BANKS TO BE PLACED AND REVIEWED PRIOR TO ALL SKATEPARK STRUCTURE FLATWORK. CONTRACTOR IS TO SUBMIT POUR SCHEDULE BY LOCATION AND SEQUENCE FOR REVIEW BY OWNER AND SKATEPARK DESIGNER.

SKATEPARK STRUCTURE SHOTCRETE

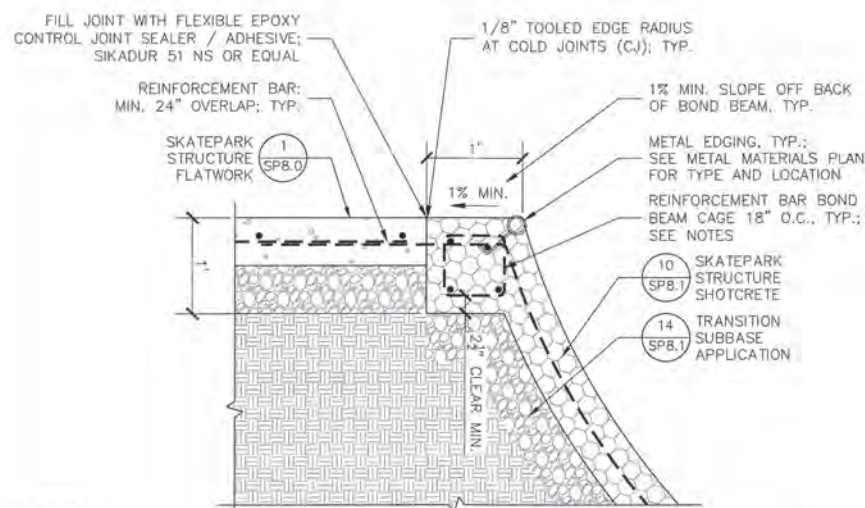
2"=1'-0" 10



NOTES:
1. ALL REINFORCEMENT BAR MUST HAVE MINIMUM 24" OVERLAP AND BE CONTINUOUS THROUGHOUT.
2. SEE JOINTING PLAN AND DETAILS FOR COLD JOINT LOCATIONS.

SKATEPARK SHOTCRETE COLD JOINT (CJ)

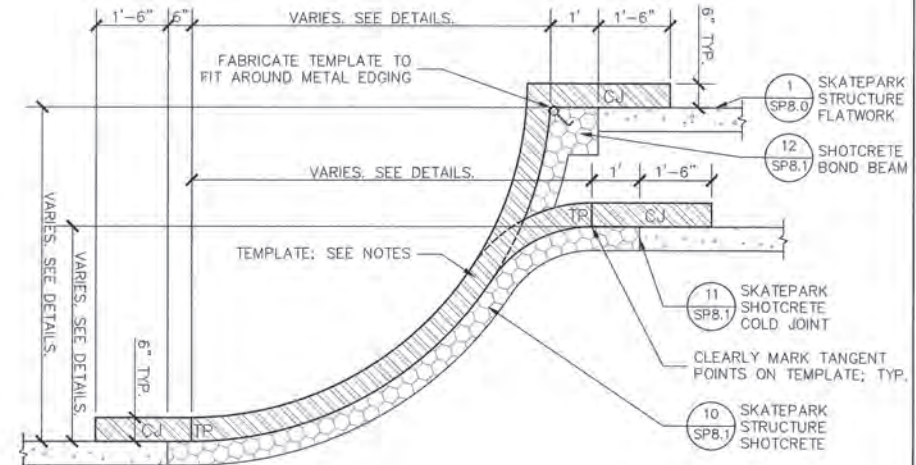
2"=1'-0" 11



NOTE:
1. BUILD BOND BEAMS AT TOPS OF ALL SHOTCRETE QUARTER PIPE TRANSITIONS UNLESS SPECIFICALLY SHOWN OTHERWISE IN SKATEPARK DETAILS.
2. ALL REINFORCEMENT BAR MUST HAVE MINIMUM 24" OVERLAP AND BE CONTINUOUS THROUGHOUT.
3. SEE JOINTING PLAN AND DETAILS FOR COLD JOINT LOCATIONS.

SHOTCRETE BOND BEAM

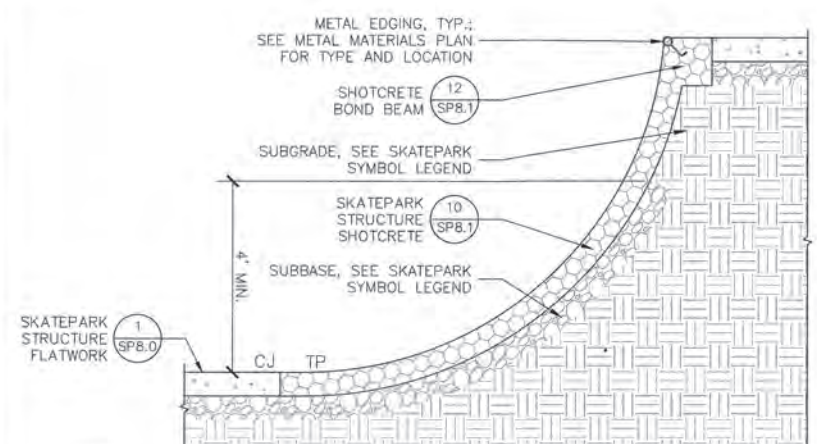
1"=1'-0" 12



NOTE:
1. TEMPLATES TO BE MADE OUT OF NON-FLEX PLYWOOD, ALUMINUM, OR METAL FOR TEMPLATES.
2. CONTRACTOR SHALL FABRICATE AND USE TEMPLATES FOR EACH SHOTCRETE DETAIL. TEMPLATES MUST BE REVIEWED AND APPROVED BY OWNER'S REPRESENTATIVE IN ADVANCE OF THE DAY SHOTCRETE WILL BE PLACED. TEMPLATES MUST BE LOCATED IN THE RESPECTIVE AREAS OF USE BEFORE INSPECTION

SKATEPARK STRUCTURE SHOTCRETE TEMPLATE

1/2"=1'-0" 13



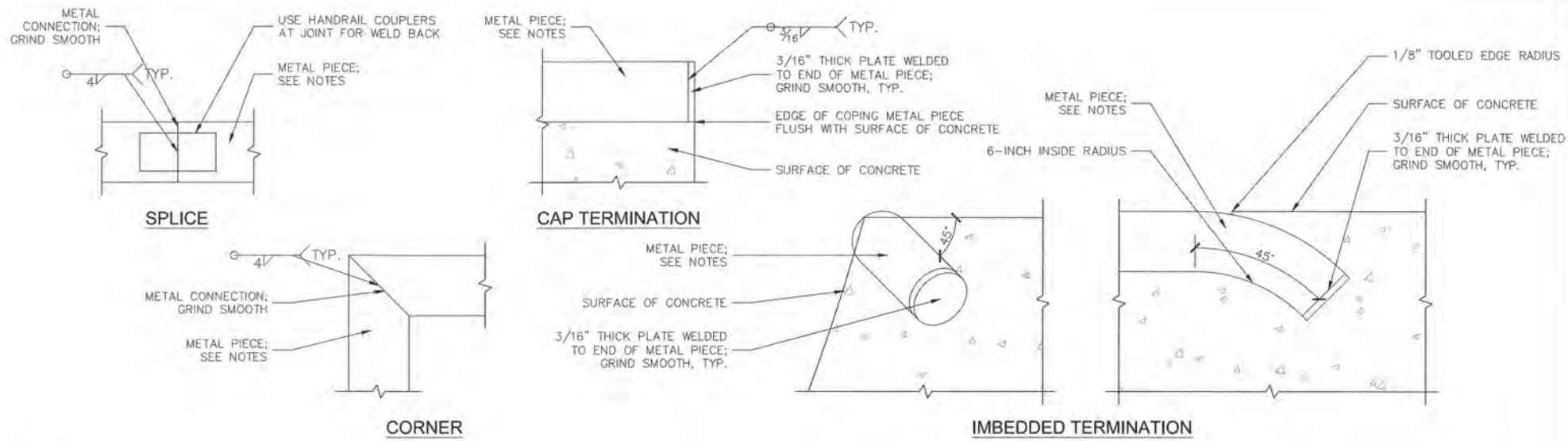
NOTE:
1. CONTRACTOR IS ONLY RESPONSIBLE FOR PLACING SUBBASE A MINIMUM DISTANCE OF FOUR (4) VERTICAL FEET UP ALL TRANSITIONS AS MEASURED FROM THE BOTTOM TANGENT POINT (TP) AS SHOWN. THIS VARIANCE ONLY APPLIES TO TRANSITIONS THAT APPROACH NEAR VERTICAL CONDITIONS ABOVE FOUR (4) VERTICAL FEET FROM THE BOTTOM TANGENT POINT (TP) ELEVATION. SHOTCRETE APPLIED IN CONDITIONS WITHOUT THE SUBBASE SHALL BE PER THE SPECIFIED THICKNESS. NO ADDITIONAL SHOTCRETE SHALL BE REQUIRED AS THE SUBGRADES WILL BE GRADED TO THE ELEVATIONS OF THE SUBBASE.

TRANSITION SUBBASE APPLICATION

1/2"=1'-0" 14



PROJECT # SP 21-6	
FRED JOHNSON PARK	
REHABILITATION	
CITY OF TULSA, OKLAHOMA	
DEPARTMENT OF CITY EXPERIENCE	
PLANS AND ESTIMATES PREPARED BY:	
LANDPLAN CONSULTANTS	
1115 WEST 23rd	TULSA, OK 74107
918-584-6104	
REVISION	BY DATE
DRAWN	CSP APR 2025
DESIGNED	CSP JUL 2024
SURVEY	FLS APR 2024
PROJ. MGR.	SL 3/28
LEAD ENGR.	BN 2/26
FIELD MGR.	BN 3/26
SKATEPARK	
STANDARD DETAILS	
SHEET	
SP-8.1	

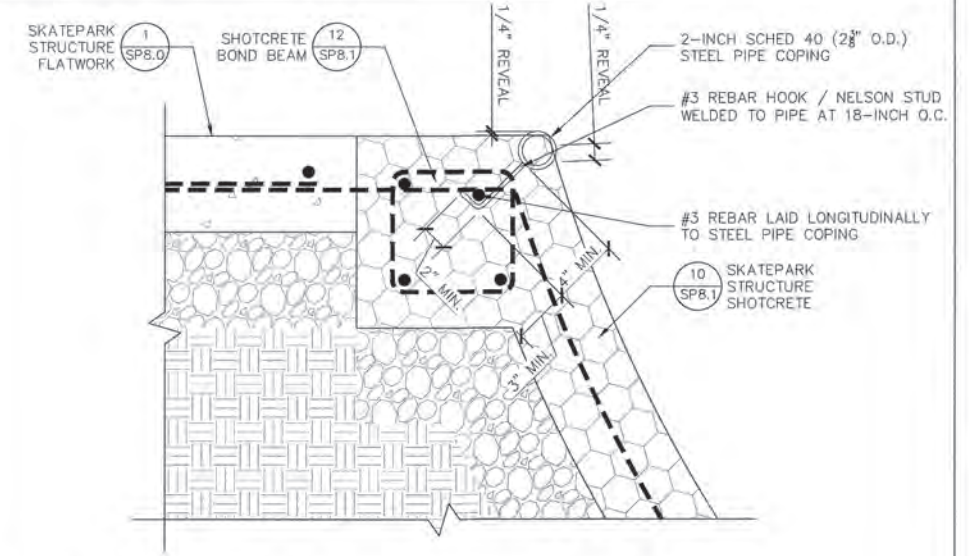


NOTE:

1. SEE METAL MATERIALS PLAN FOR METAL PAINT REQUIREMENTS.
2. SEE METAL MATERIALS PLAN AND DETAILS FOR METAL TYPE, LOCATIONS, AND DIMENSIONS.

METAL TERMINATIONS AND CONNECTIONS

4"=1'-0" 15

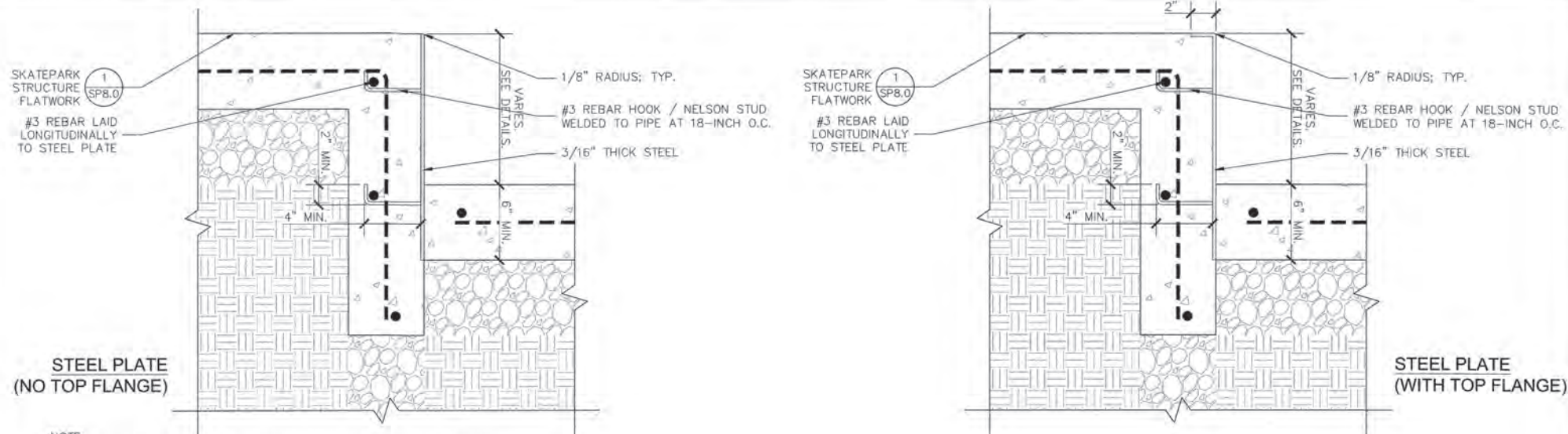


NOTE:

1. SEE DETAIL 15/SP8.2 FOR METAL TERMINATIONS AND CONNECTIONS.
2. SEE METAL MATERIALS PLAN FOR METAL PAINT REQUIREMENTS.

STEEL PIPE COPING

2"=1'-0" 16

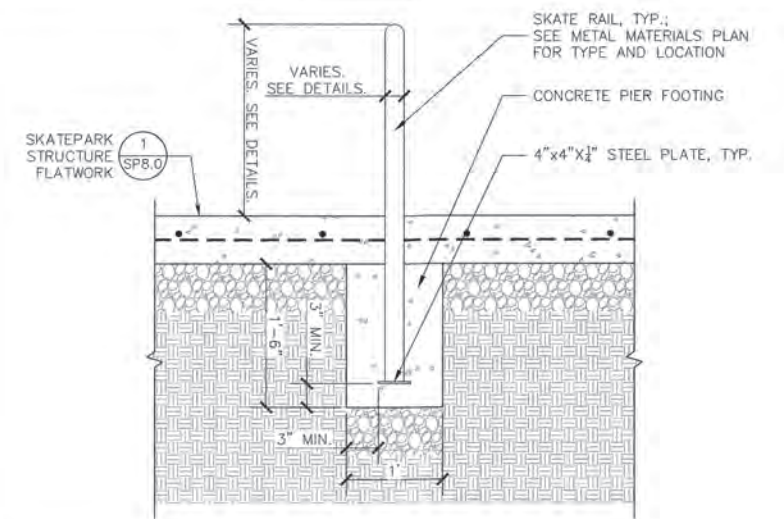


NOTE:

1. SEE DETAIL 15/SP8.2 FOR METAL TERMINATIONS AND CONNECTIONS.
2. SEE METAL MATERIALS PLAN FOR METAL PAINT REQUIREMENTS.
3. SEE METAL MATERIALS PLAN AND DETAILS FOR STEEL PLATE TYPE, LOCATIONS, AND DIMENSIONS.

STEEL PLATE (NO TOP FLANGE AND WITH TOP FLANGE)

2"=1'-0" 17



NOTE:

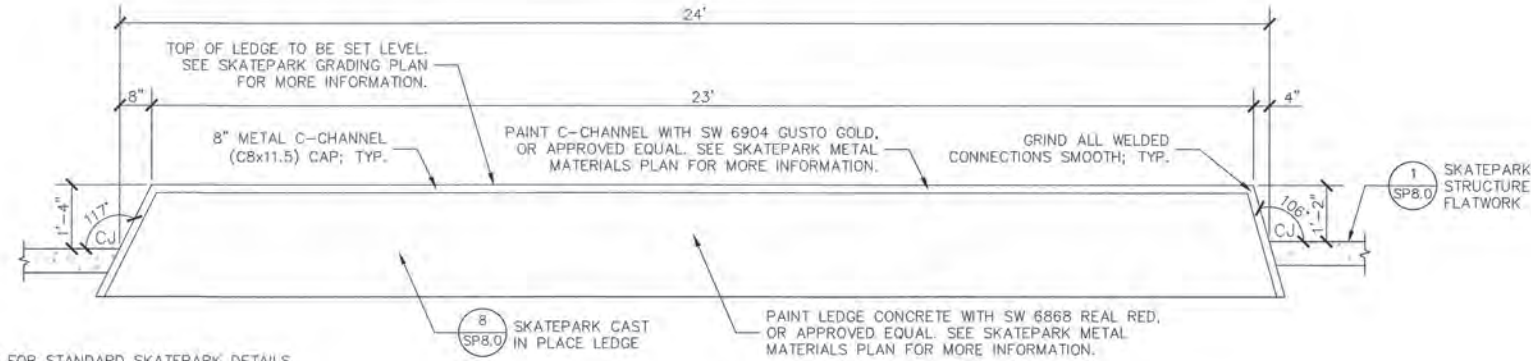
1. SEE DETAIL 15/SP8.2 FOR METAL TERMINATIONS AND CONNECTIONS.
2. SEE METAL MATERIALS PLAN FOR METAL PAINT REQUIREMENTS.

SKATE RAIL FOOTING

1"=1'-0" 18

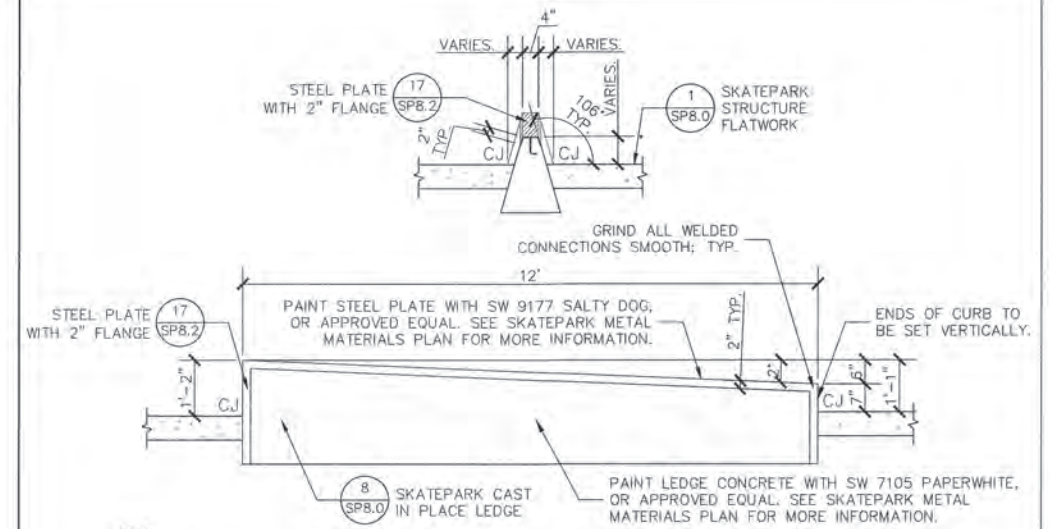


PROJECT # SP 21-6	
FRED JOHNSON PARK REHABILITATION	
CITY OF TULSA, OKLAHOMA	
DEPARTMENT OF CITY EXPERIENCE	
PLANS AND ESTIMATES PREPARED BY:	
LANDPLAN CONSULTANTS	
1110 WEST 23RD	TULSA, OK 74107
918-464-6464	
REVISION	BY DATE
DRAWN	CSP APR 2025
DESIGNED	CSP JUL 2024
SURVEY	FLS APR 2024
PROJ. MGR.	SL 3/28
LEAD ENGR.	SL 3/28
FIELD MGR.	SL 3/28
SKATEPARK STANDARD DETAILS	
SHEET SP-8.2	



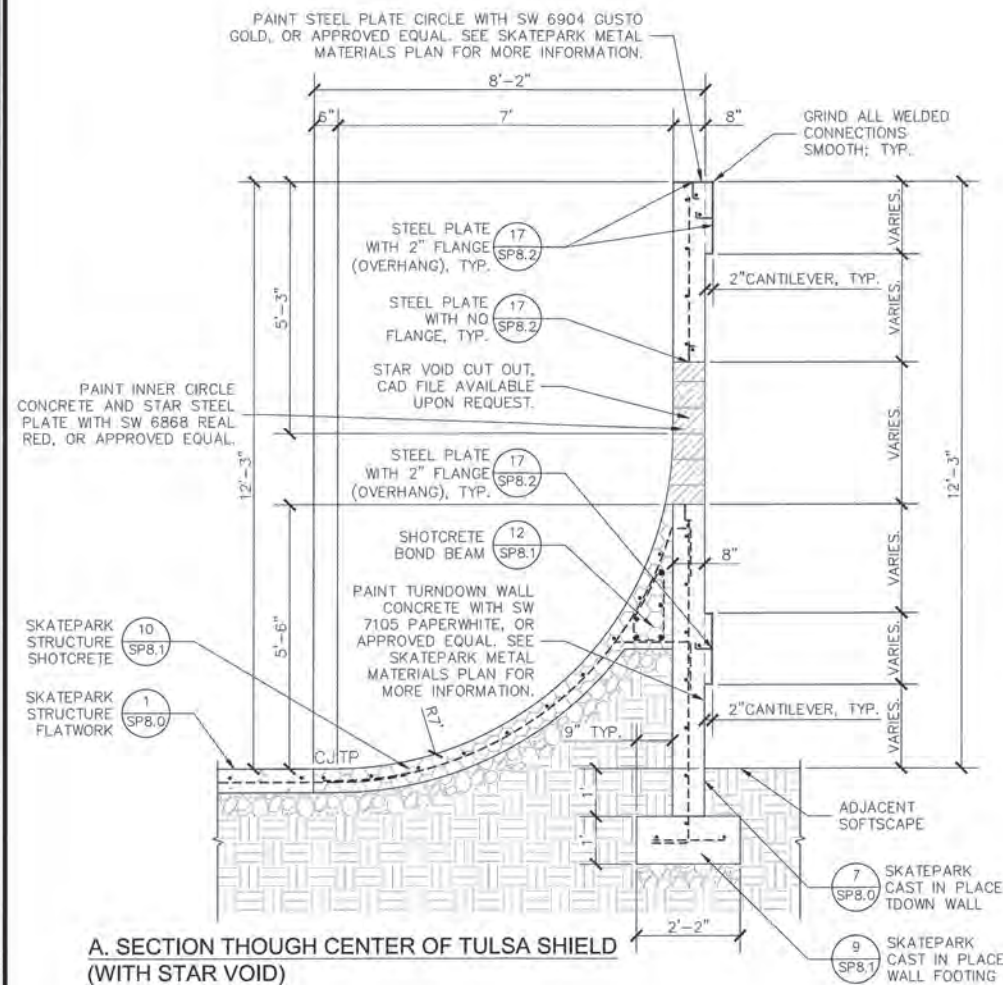
SKINNY LEDGE WITH SLAPPY ENDS

1/2"=1'-0" 1

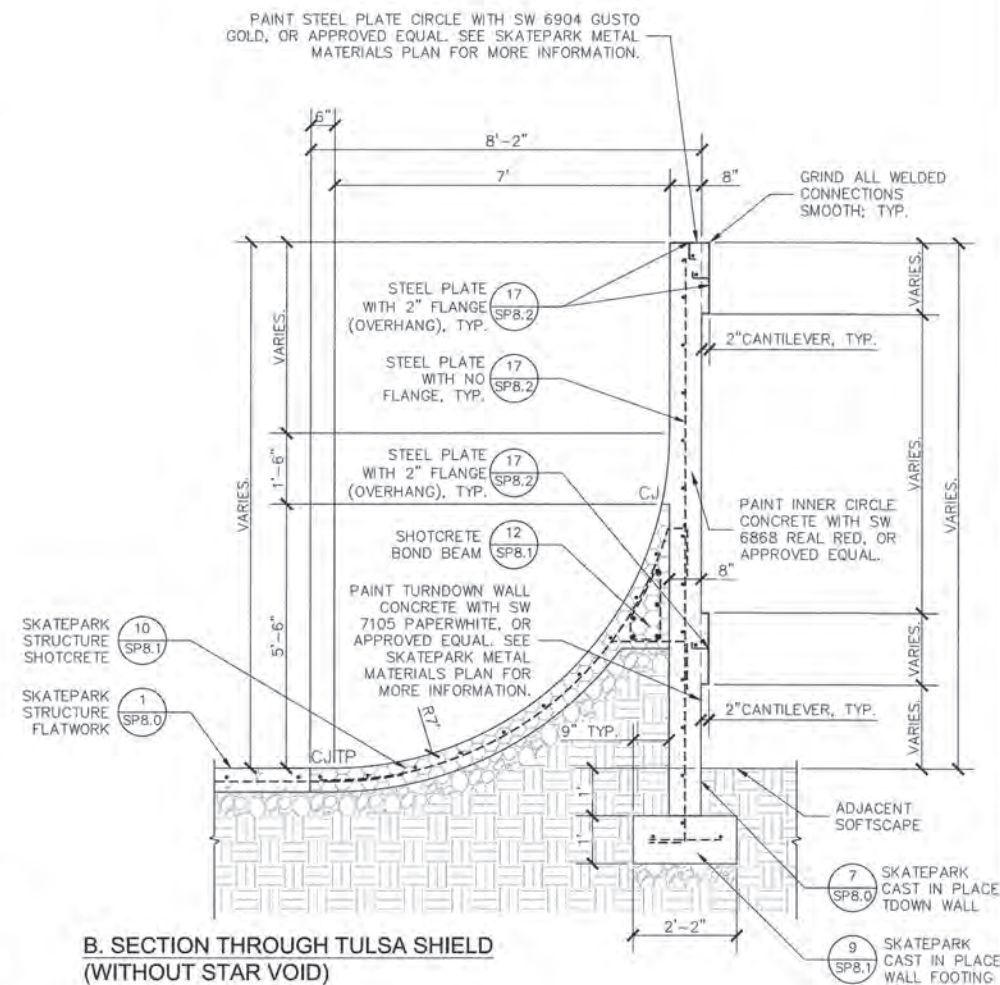


ESCALATING CURB WITH SLAPPY SIDES

1/2"=1'-0" 2



A. SECTION THOUGH CENTER OF TULSA SHIELD (WITH STAR VOID)



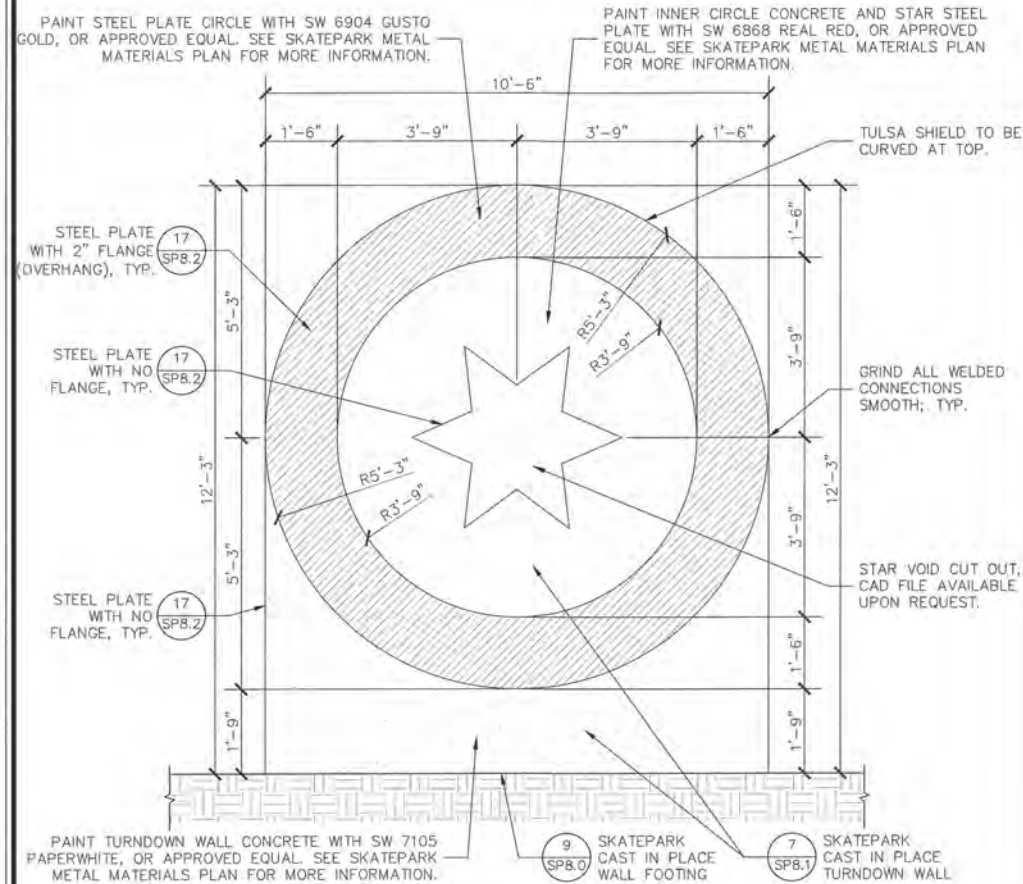
B. SECTION THROUGH TULSA SHIELD (WITHOUT STAR VOID)

1/2"=1'-0" 3

TULSA SHIELD QUARTER PIPE

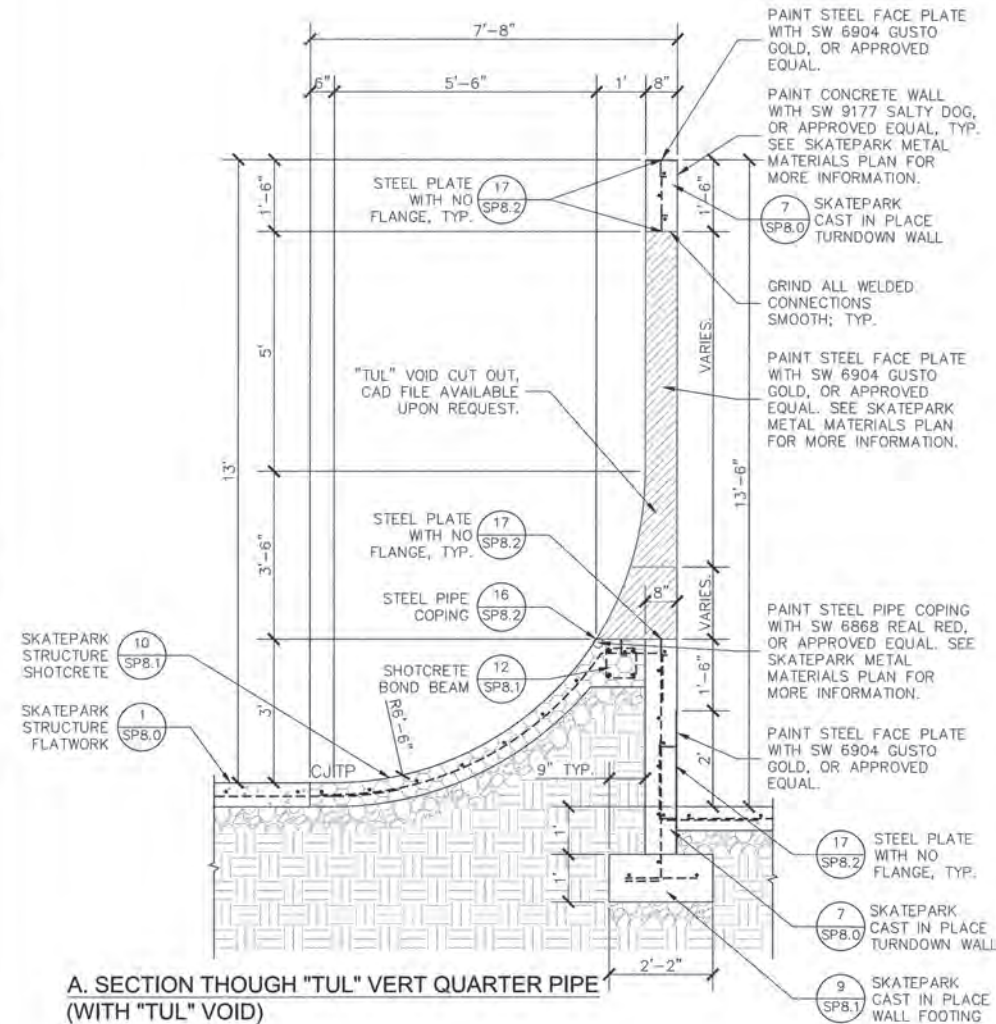


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FRED JOHNSON PARK REHABILITATION	
CITY OF TULSA, OKLAHOMA	
DEPARTMENT OF CITY EXPERIENCE	
PLANS AND ESTIMATES PREPARED BY:	
LANDPLAN CONSULTANTS	
1110 WEST 23rd TULSA, OK 74107 918-584-6464	
REVISION	BY DATE
DRAWN	CSP APR 2025
DESIGNED	CSP JUL 2024
SURVEY	FLS APR 2024
PROJ. MGR.	3/26
LEAD ENGR.	3/26
FIELD MGR.	3/26
SKATEPARK DETAILS	
SHEET SP-9.0	



TULSA SHIELD WALL ELEVATION

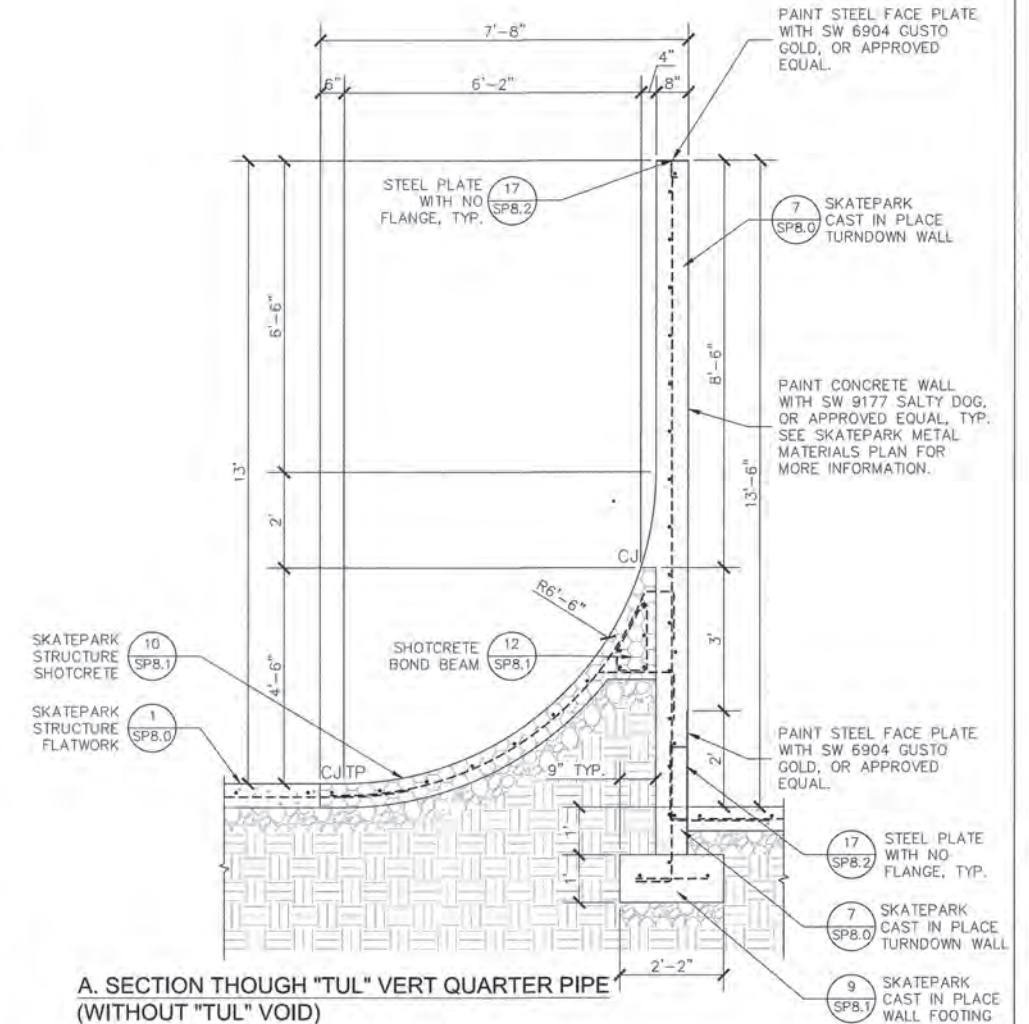
1/2"=1'-0" 4



A. SECTION THOUGH "TUL" VERT QUARTER PIPE (WITH "TUL" VOID)

NOTE:
1. SEE SHEET SERIES SP-8 FOR STANDARD SKATEPARK DETAILS.
2. REFER TO SKATEPARK STANDARD DETAILS AND SYMBOL LEGEND FOR REINFORCEMENT REQUIREMENTS.

"TUL" VERT QUARTER PIPE



A. SECTION THOUGH "TUL" VERT QUARTER PIPE (WITHOUT "TUL" VOID)

1/2"=1'-0" 5

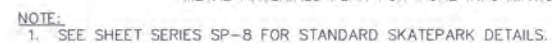


PROJECT # SP 21-6	
FRED JOHNSON PARK REHABILITATION	
CITY OF TULSA, OKLAHOMA DEPARTMENT OF CITY EXPERIENCE	
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23rd TULSA, OK 74107 918-204-6464	
REVISION	BY DATE
DRAWN	CSP APR 2025
DESIGNED	CSP JUL 2024
SURVEY	FLS APR 2024
PROJ. MGR.	3/28
LEAD ENGR.	3/26
FIELD MGR.	3/16
SKATEPARK DETAILS	
SHEET SP-9.1	




$$\frac{1}{2}'' = 1' - 0'' \quad \textcircled{6}$$


$1/2" = 1' - 0"$ (7)



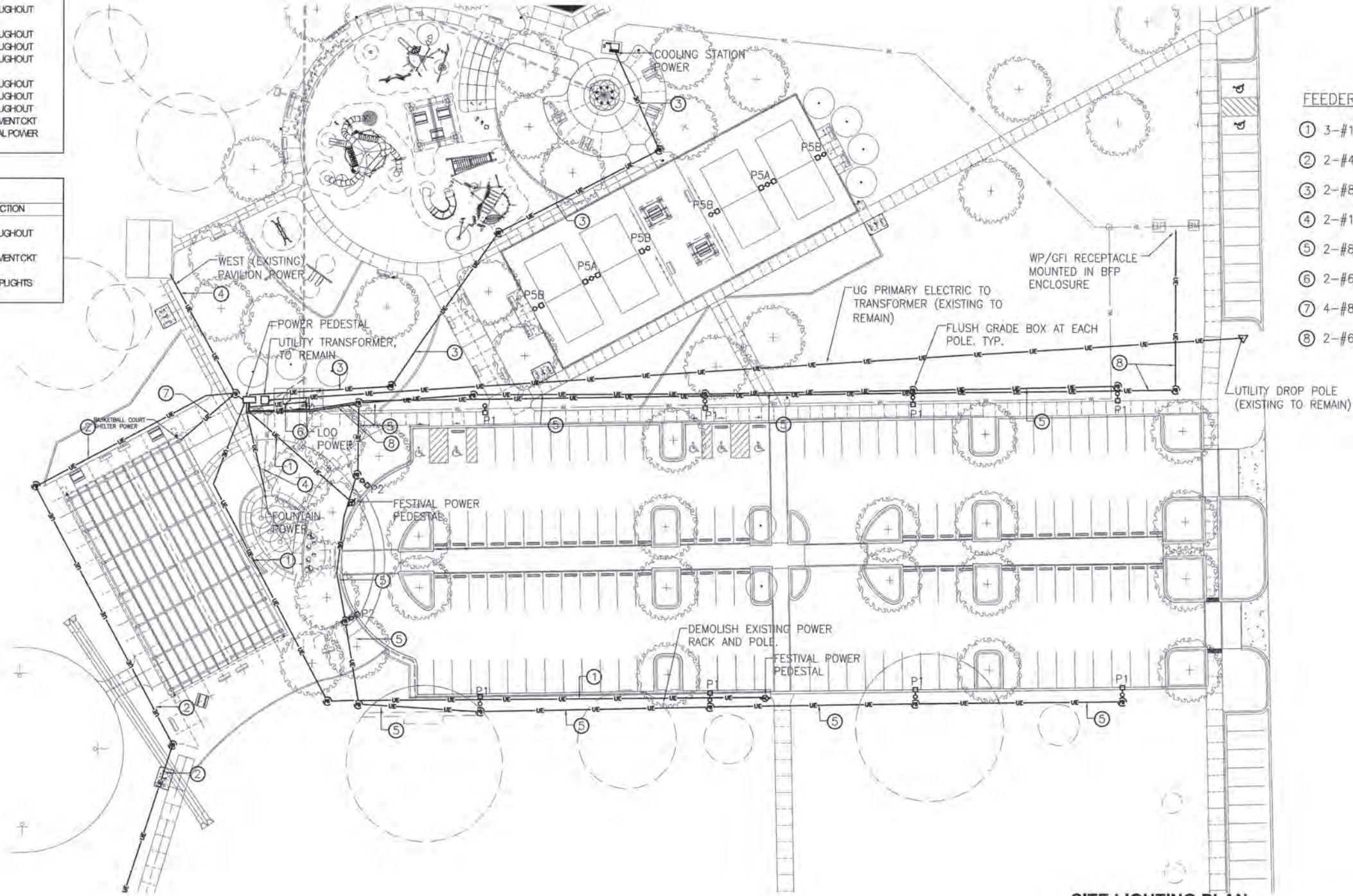
1/2"=1'-0" **8**



SHEET
SP-9.2

MAIN PARK ELECTRICAL QUANTITY ESTIMATE			
ITEM	QTY	UNIT	FUNCTION
P1 LIGHT	8	EACH	PARKING LOT
P2 LIGHT	2	EACH	PARKING LOT
P3 LIGHT	24	EACH	PAVILION
FESTIVAL POWER	2	EACH	PARKING LOT
POWER RACK	1	EACH	---
UTILITY DROP/BOX	0	EACH	---
PULL BOX	7	EACH	THROUGHOUT
1" CONDUIT	2500	FEET	THROUGHOUT
1.5" CONDUIT	330	FEET	THROUGHOUT
2" CONDUIT	520	FEET	THROUGHOUT
#10 CONDUCTORS	1500	FEET	THROUGHOUT
#8 CONDUCTOR	5900	FEET	THROUGHOUT
#6 CONDUCTOR	2500	FEET	THROUGHOUT
#4 CONDUCTOR	0	FEET	MONUMENT CKT
#1/0 CONDUCTOR	1560	FEET	FESTIVAL POWER

SKATE PARK ELECTRICAL QUANTITY ESTIMATE (ALTERNATE)			
ITEM	QTY	UNIT	FUNCTION
2" CONDUIT	1000	FEET	THROUGHOUT
#4 CONDUCTOR	3000	FEET	MONUMENT CKT
P4 LIGHT	3	EACH	TULIP LIGHTS



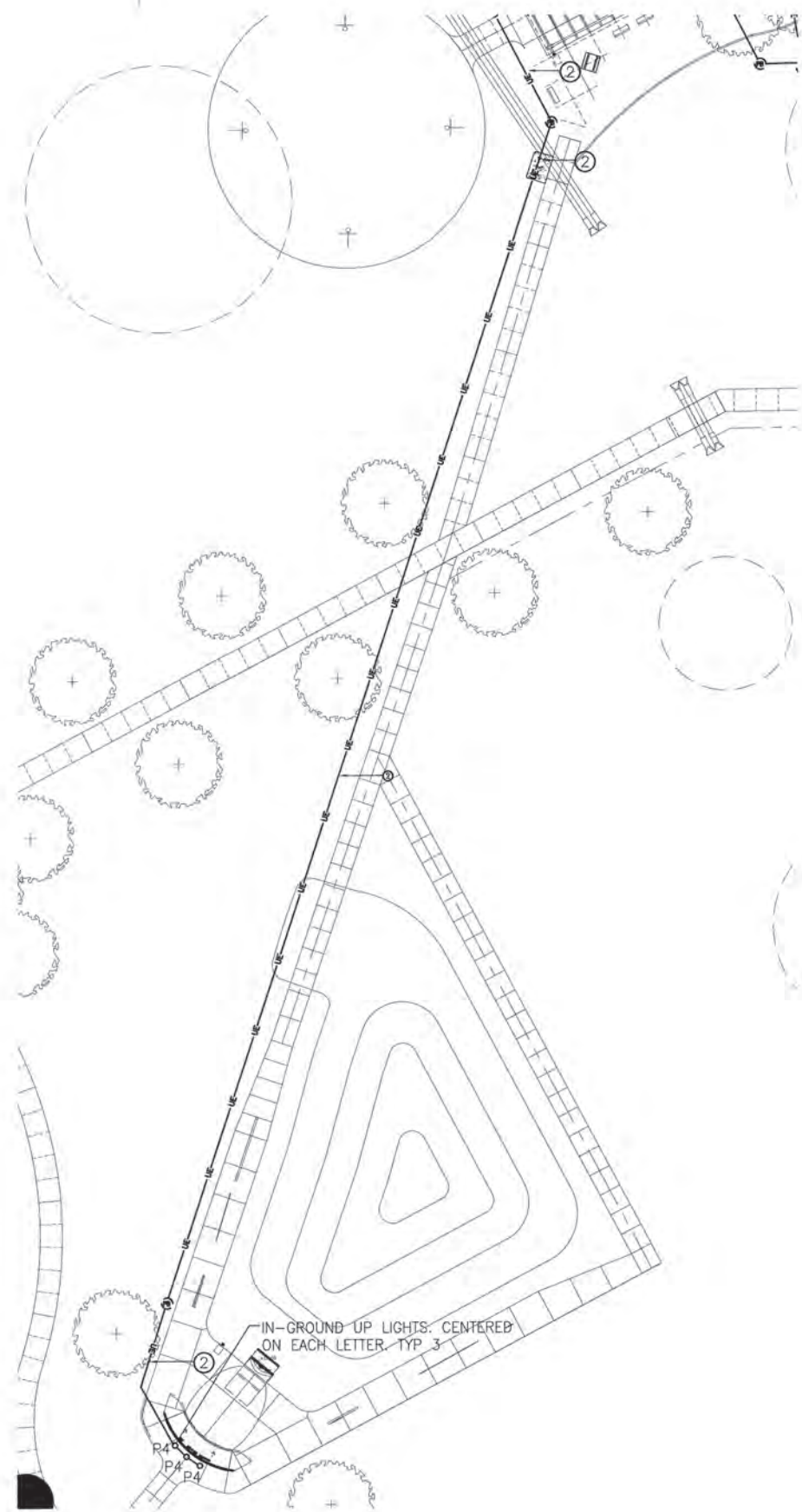
- FEEDER SCHEDULE
- ① 3-#1/0, 1-#6 GRD IN 2" (FESTIVAL POWER)
 - ② 2-#4, 1-#4 GRD IN 2" (SKATE PARK POWER)
 - ③ 2-#8, 1-#8 GRD IN 1 1/2" (COOLING STATION POWER)
 - ④ 2-#10, 1-#10 GRD IN 1" (STRUCTURES/FOUNTAIN POWER)
 - ⑤ 2-#8, 1-#8 GRD IN 1" (PARKING LIGHTS POWER)
 - ⑥ 2-#6, 1-#6 GRD IN 1" (LOO)
 - ⑦ 4-#8, 1-#8 GRD IN 1" (BASKETBALL COURT SHELTER)
 - ⑧ 2-#6, 1-#6 GRD IN 1" (BFP)

SITE LIGHTING PLAN
SCALE: 1" = 30'

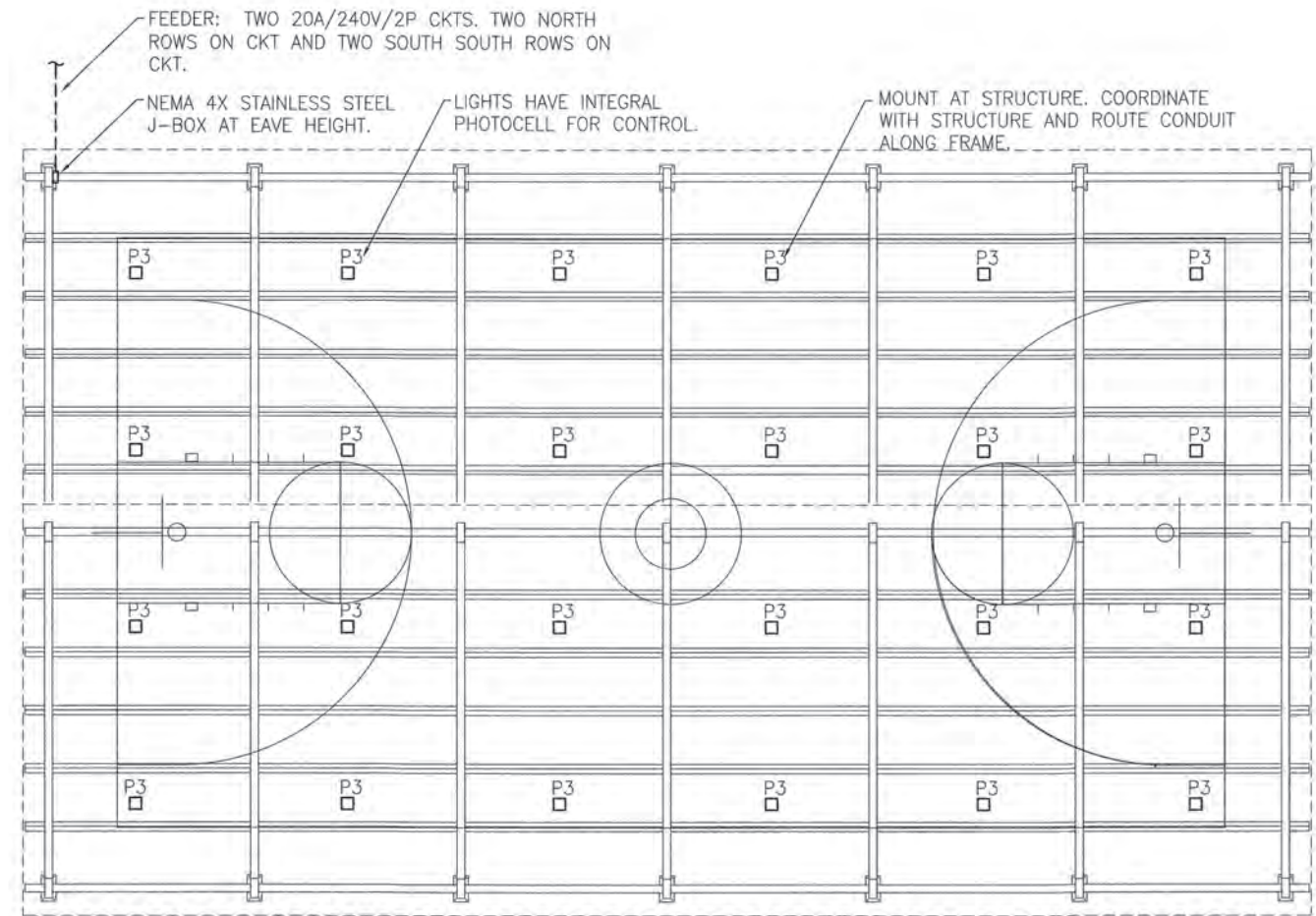
Thomas F. Keeter, PE# 17749
TFK Engineering, Inc.
CoFA# 5206 exp 6/2025



ELECTRICAL PLAN (E1)			
PROJECT # SP 21-8			
FRED JOHNSON PARK REHABILITATION			
CITY OF TULSA, OKLAHOMA DEPARTMENT OF PARKS, CULTURE, AND RECREATION			
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23RD TULSA, OK 74107 918-584-8464			
REVISION	BY	DATE	TFK
DESIGNED	BP	10/18/25	
SURVEY	AF		
PROJ. MGR.	SL	12/10/25	
LEAD ENGR.	BP	12/25	
FIELD MGR.	SL	1/16	
			SHEET
			E1 OF 120



FEATURE LIGHTING PLAN
SCALE: 1" = 30'



BASKETBALL COURT SHELTER LIGHTING PLAN
SCALE: 1/8" = 1'

Thomas F. Keeter, PE# 17749
TFK Engineering, Inc.
CoFA# 5206 exp 6/2025



ELECTRICAL PLAN (E2)			
PROJECT # SP 21-6			
FRED JOHNSON PARK REHABILITATION			
CITY OF TULSA, OKLAHOMA DEPARTMENT OF PARKS, CULTURE, AND RECREATION			
PLANS AND ESTIMATES PREPARED BY: LANDPLAN CONSULTANTS 1110 WEST 23RD TULSA, OK 74107 918-584-6404			
REVISION	BY	DATE	
DRAWN	TFK	10/18/25	
DESIGNED	BP		
SURVEY	AF		
PROJ. MGR.	SL	12/10/25	
LEAD ENGR.	gry	12/25	
FIELD MGR.	gry	1/6	
			SHEET
			E2 OF 120

LIGHT FIXTURE SCHEDULE					
MARK	MANF. CAT. #	LAMP	VOLTAGE	MOUNTING	DESCRIPTION
P1	LITHONIA LIGHTING DSX1LED-P7-40K-70CRI-T4M-MVOLT-DOBXD	4000K 22,500 LUMEN	240	POLE	BRONZE, TYPE 4 DISTRIBUTION, SINGLE HEAD BRONZE 25FT ROUND TAPERED POLE.
P2	LITHONIA LIGHTING DSX1LED-P7-40K-70CRI-T4M-MVOLT-DOBXD-EXG	4000K 22,500 LUMEN	240	POLE	BRONZE, TYPE 4 DISTRIBUTION, SINGLE HEAD BRONZE 25FT ROUND TAPERED POLE, EXTERIOR GLARE SHIELD
P3	RAB LIGHTING VAN24-90-F	4000K 13,400 LUMEN	240	POLE	FLAT LENS, VANDAL RESISTANT, INTEGRAL PHOTOCELL MOUNT TO STRUCTURE, PROVIDE WIRE GUARD CAGE
P4	HYDREL LIGHTING IGF6-SS-LED-P3-60CRI-40K-MVOLT-60DEG-5T-FLCSR-34S-ISS-BZ	4000K 2,400 LUMEN	240	IN GROUND	IN GROUND WELL LIGHT, 60 DEGREE, 5 DEG TILT, STAINLESS STEEL IN CONCRETE COORDINATE FINAL LOCATION WITH STRUCTURE
P5A	GREENSHINE SOLAR LIGHTS TWIN HEAD		N/A	POLE	BY OTHERS
P5B	GREENSHINE SOLAR LIGHTS SINGLE HEAD		N/A	POLE	BY OTHERS
1. PROVIDE ANCHOR BOLTS AND BOLT COVERS. 2. PROVIDE FACTORY WHIPWIRE HARNESS IN POLE WITH 15FT EXTRA FEET TO GRADE BOX. 3. PROVIDE HANDHOLE AT 18" FROM TOP OF POLE, NO HANDHOLE IN BOTTOM OF POLE. 4. EQUIVALENT FIXTURES ARE ACCEPTABLE BY: HUBBLE, COOPER, PHILLIPS, CREE, LSI					

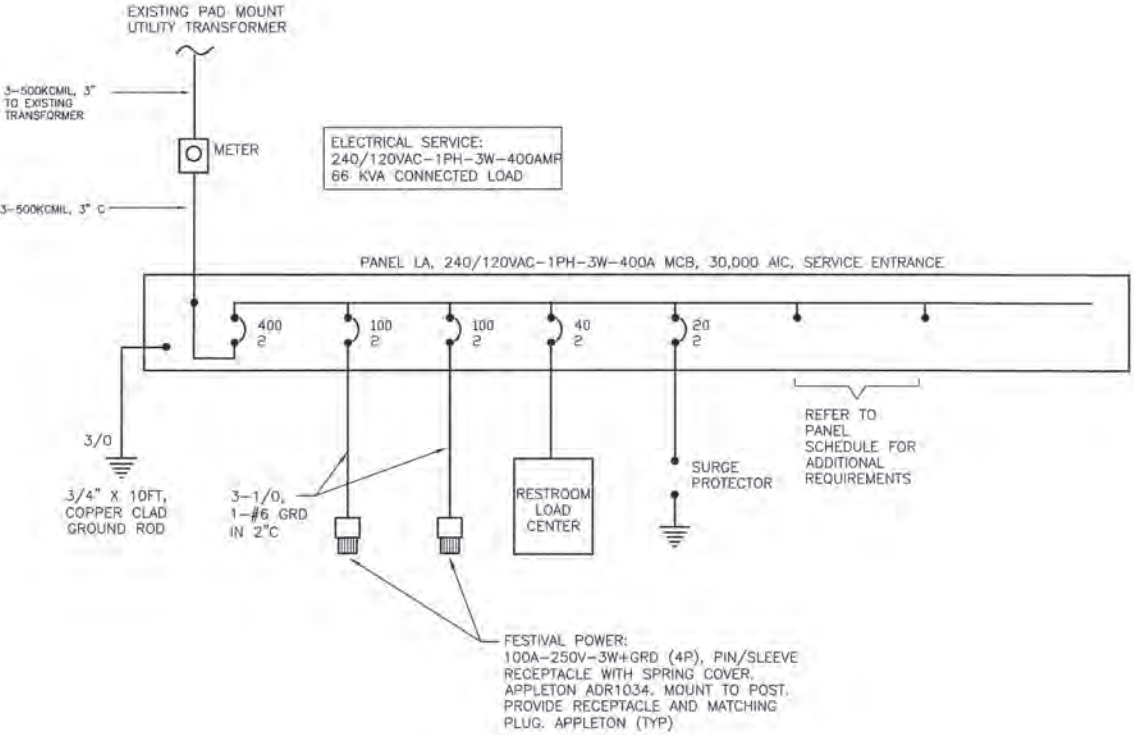
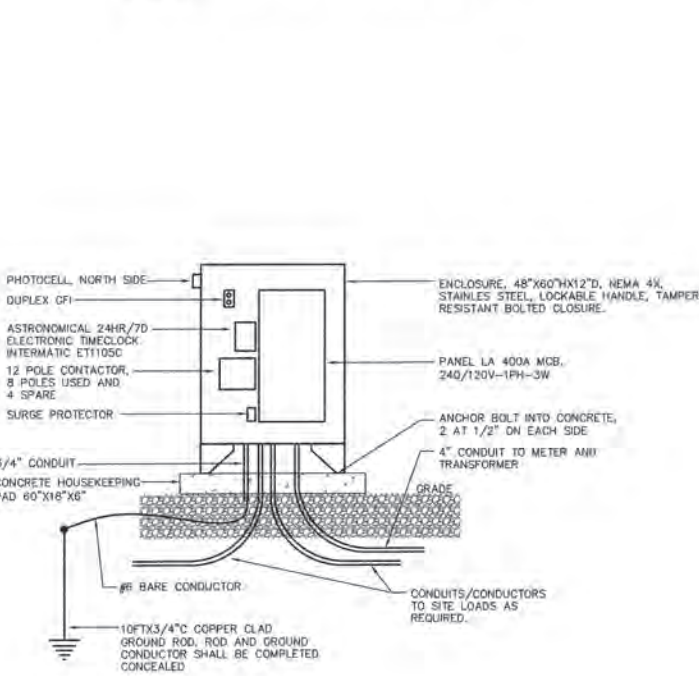
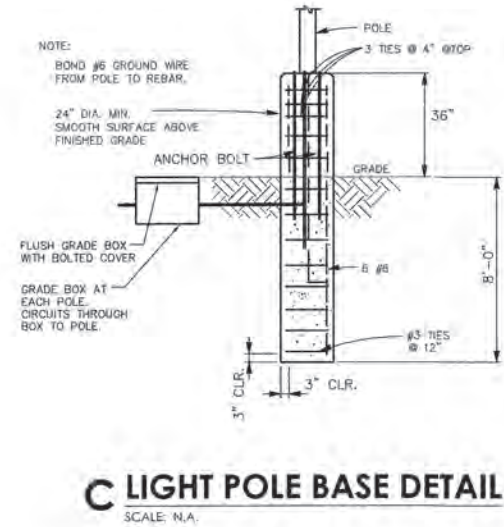
- ELECTRICAL GENERAL NOTES**
- PRIOR TO BID AND CONSTRUCTION SURVEY THE SITE TO DETERMINE ALL EXISTING CONDITIONS RELATED TO THE WORK. THIS INCLUDES ALL EXISTING UTILITIES.
 - ELECTRICAL CONTRACTOR TO COORDINATE THE MOUNTING HEIGHTS OF ALL RECEPTACLES WITH ARCHITECTURAL DETAILS OR OWNER.
 - ALL CIRCUITS SHALL HAVE AN EQUIPMENT GROUND WIRE ROUTED IN THE CONDUIT.
 - COORDINATE WITH OTHER TRADES WHEN LOCATING EQUIPMENT, LIGHTS, PIPING, DUCTWORK, ETC.
 - PROVIDE PULL STRING IN ALL EMPTY CONDUITS.
 - THE DRAWINGS ARE INTENDED TO COVER THE LAYOUT AND DESIGN OF THE WORK AND ARE NOT TO BE SCALED FOR MEASUREMENTS.
 - ANY CONNECTION TO OR RELOCATION OF EXISTING UTILITIES REQUIRING DISCONNECTION OF NORMAL UTILITY SERVICES SHALL BE SCHEDULED AND COORDINATED WITH THE OWNER OR HIS REPRESENTATIVE. PREMIUM TIME SHALL BE INCLUDED.
 - IN NO CASE SHALL THE UTILITIES BE LEFT DISCONNECTED AT THE END OF A WORKDAY WITHOUT PRIOR AUTHORIZATION FROM THE OWNER.
 - PROVIDE ALL EXCAVATION NECESSARY FOR INSTALLATION OF THE WORK. INCLUDED, COMPLY WITH ALL APPLICABLE AND GOVERNING SAFETY REGULATIONS INCLUDING OSHA.
 - CONTRACTOR SHALL REPAIR ANY EXISTING FACILITIES DAMAGED DUE TO THE OPERATIONS OF THE CONTRACTOR.
 - WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS OF ALL GOVERNING CODES, RULES AND REGULATIONS, INCLUDING THE FOLLOWING MINIMUM STANDARDS, WHETHER STATUTORY OR NOT: NATIONAL ELECTRICAL CODE 2017 (NEC), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), INTERNATIONAL BUILDING CODE (IBC), AMERICANS WITH DISABILITIES ACT (ADA).
 - CONTRACTOR SHALL PROCURE AND PAY FOR ALL REQUIRED PERMITS AND LICENSES.
 - GUARANTEE EACH NEW SYSTEM AND EACH ELEMENT THEREOF AGAINST ANY DEFECT DUE TO FAULTY WORKMANSHIP, DESIGN OR MATERIAL FOR A PERIOD OF ONE YEAR.
 - INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS.
 - THE CONTRACTOR SHALL SHOW, ON PRINTS, ANY CHANGES FROM THE ORIGINAL DRAWINGS MADE DURING INSTALLATION DELIVER TO THE ARCHITECT WHEN THE WORK IS COMPLETED.
 - PROVIDE COPIES OF OPERATING AND SERVICE MANUALS, INCLUDING OPERATING INSTRUCTION, SERVICE INSTRUCTIONS, AND SUBMITTAL LITERATURE TO THE OWNER.
 - DEMONSTRATE TO AND INSTRUCT THE OWNER IN THE PROPER OPERATION AND MAINTENANCE OF ALL SYSTEMS.
 - WHERE EQUIPMENT IS FURNISHED BY THE OWNER OR OTHER CONTRACTOR, PROVIDE ROUGH-IN AND MAKE FINAL CONNECTIONS PER SHOP DRAWINGS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - STORE EQUIPMENT AND MATERIAL TO PREVENT DAMAGE. DAMAGED EQUIPMENT SHALL BE REPLACED OR RESTORED TO A CONDITION ACCEPTABLE TO THE OWNER.
 - TEST ALL DEVICES, PERFORM EQUIPMENT START-UP, AND MAKE ANY ADJUSTMENTS REQUIRED TO MAKE THE EQUIPMENT FULLY OPERATIONS PER THE MANUFACTURER'S INSTRUCTIONS.
 - THE "ELECTRICAL" DOCUMENTS ARE STAND ALONE DOCUMENTS BUT ARE A PORTION OF A LARGER SET OF CONSTRUCTION DOCUMENTS. REFER TO ALL DOCUMENTS FOR WORK.
 - CONDUIT MINIMUM DEPTH 24" WITH MARKING TAPE AT 8'.
 - ALL CONDUCTORS: COPPER, UL LISTED, THHN/THWN, COLOR CODED, 600V.
 - COORDINATE WITH ELECTRIC UTILITY FOR SERVICE REQUIREMENTS, EXISTING PRIMARY AND TRANSFORMER STAYS AS-IS. PROVIDE NEW METER AND SERVICE.
 - DEMOLISH EXISTING ELECTRICAL ON SITE.

PANELBOARD						240/120VAC-1PH-3W 400A - MCB
DESCRIPTION	CB	KVA	Ph	KVA	CB	DESCRIPTION
1 PARKING LIGHTS	20/2	1.00	A	2.50	40/2	LOO
3	---	1.00	B	2.50	---	---
5 BBALL COURT LIGHTS	20/2	1.00	A	2.00	30/2	COOLING STATION
7	---	1.00	B	2.00	---	---
9 BBALL COURT LIGHTS	20/2	1.00	A	0.20	20/2	MONUMENT LIGHTS
11	---	1.00	B	0.20	---	---
13 WEST PAVILION LIGHTS	20/1	1.00	A	0.00	---	---
15 FOUNTAIN LIGHTS	20/1	1.00	B	0.00	---	---
17 TIMECLOCK	20/1	1.00	A	0.00	---	---
19 RECEPTACLE	20/1	1.00	B	0.00	---	---
21 BACK FLOW PREVENTOR	20/1	1.00	A	0.00	---	---
23 SPARE	20/1	0.50	B	0.00	---	---
25 SPARE	20/1	0.00	A	0.00	---	---
27 SPARE	20/1	0.00	B	0.00	---	---
29 SPARE	20/1	0.00	A	0.00	---	---
31 SPARE	20/1	0.00	B	0.00	---	---
33 SPARE	20/1	0.00	A	0.00	---	---
35 SURGE PROTECTOR	20/2	0.00	B	0.00	---	---
37	---	0.00	A	0.00	---	---
39 FESTIVAL POWER	100/2	9.00	B	9.00	100/2	FESTIVAL POWER
41	---	9.00	A	9.00	---	---
CONTINUOUS	10	X	1.25	=		12.5
NON-CONTINUOUS	46.9	X	1.00	=		46.9
RECEPTACLE <10 KVA	0	X	1.00	=		0.0
RECEPTACLE >10 KVA	0	X	0.50	=		0.0
LARGEST MOTOR	29	X	0.25	=		7.3
TOTAL KVA						67
TOTAL AMPS						278

ELECTRICAL LEGEND

- SITE LIGHT
- ▭ PANELBOARD
- HOMERUN, CONTINUOUS RUN TO PANEL OR EQUIPMENT
- RECEPTACLE, DUPLEX CONVENIENCE OUTLET,
- ⊙ APPLETON POWER RECEPTACLE (PST)
- ⊙ JUNCTION BOX
- WP WEATHERPROOF
- GFI GROUND FAULT INTERRUPTING

ELECTRICAL DETAILS (E3)					
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LEAD ENGR.	SL	12/25			
FIELD MGR.	Abdul	1/15			
SHEET					E3 OF 120



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