River Corridor Improvement Project

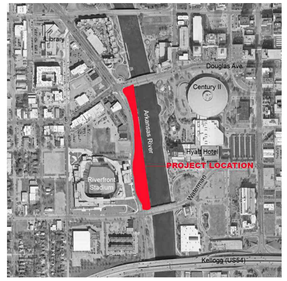
WEST BANK - RIVERFRONT STADIUM

MAPLE - DOUGLAS

City of Wichita, Kansas

PAUL GUNZELMAN P.E. - CITY ENGINEER
CITY PROJECT NO. 472-2024-086040
Final Plans - 02.28.25

LOCATION MAP



CONTACTS

LANDSCAPE ARCHITECT OF RECORD:	CIVIL ENGINEER OF RECORD:	IRRIGATION DESIGNER
LK ARCHITECTURE 345 RIVERVIEW, SUITE 200 WICHITA, KANSAS 67203 316-268-0230 CONTACT: JEFFREY A. BEST, ASLA	MKEC 411 N. WEBB ROAD WICHITA, KANSAS 67206 316-684-9600 CONTACT: SCOTT EVANS, P.E.	HINES, INC. 323 W. DRAKE RD., SUITE 204 FORT COLLINS, CO 80526 970-282-1800 CONTACT: MIKE TEMPLE
ELECTRICAL ENGINEER OF RECORD:	**STRUCTURAL ENGINEER OF RECORD:**	
LK ARCHITECTURE 345 RIVERVIEW, SUITE 200 WICHITA, KANSAS 67203 316-268-0230 CONTACT: STEVE BERRY, P.E.	MKEC 411 N. WEBB ROAD WICHITA, KANSAS 67206 316-684-9600 CONTACT: AARON WOLF, P.E	

SHEET INDEX:

SHEET #	DESCRIPTION	FIELD CHECK	OFFICE CHECK PERMIT REVIEW	PERMIT REVIEW	FOR BID/ CONSTRUCTION
	TITLE SHEETS				
T1.01	PROJECT NOTES	●	●	●	●
T1.02	SITE SURVEY	●	●	●	●
T1.03	COMPOSITE SITE PLAN	●	●	●	●
	DEMOLITION/EROSION CONTROL PLANS				
DM1.1	DEMOLITION/CLEARING PLAN	●	●	●	●
DM1.2	DEMOLITION/CLEARING PLAN	●	●	●	●
DM1.3	DEMOLITION/CLEARING PLAN		●	●	●
EC1.1	EROSION CONTROL PLAN	●	●	●	●
EC1.2	EROSION CONTROL PLAN	●	●	●	●
EC1.3	EROSION CONTROL PLAN		●	●	●
BMP1.1	BMP NOTES & DETAILS	●	●	●	●
BMP1.2	BMP NOTES & DETAILS	●	●	●	●
BMP1.3	BMP NOTES & DETAILS	●	●	●	●
	DIMENSION & LOCATION PLANS				
SA1.1	SITE LAYOUT PLAN	●	●	●	●
SA1.2	SITE LAYOUT PLAN	●	●	●	●
SA1.3	SITE LAYOUT PLAN	●	●	●	●
SA1.4	SITE LAYOUT PLAN	●	●	●	●
SA1.5	SITE LAYOUT PLAN	●	●	●	●
SA1.6	SITE LAYOUT PLAN	●	●	●	●
SA1.7	SITE LAYOUT PLAN	●	●	●	●
	SITE MATERIALS & REFERENCES PLAN				
SA2.1	MATERIALS/REFERENCE PLAN	●	●	●	●
SA2.2	MATERIALS/REFERENCE PLAN	●	●	●	●
SA2.3	MATERIALS/REFERENCE PLAN	●	●	●	●
SA2.4	MATERIALS/REFERENCE PLAN	●	●	●	●
SA2.5	MATERIALS/REFERENCE PLAN	●	●	●	●
SA2.6	MATERIALS/REFERENCE PLAN	●	●	●	●
SA2.7	MATERIALS/REFERENCE PLAN	●	●	●	●
	SITE GRADING PLANS				
SA3.1	SITE GRADING PLAN	●	●	●	●
SA3.2	SITE GRADING PLAN	●	●	●	●
SA3.3	SITE GRADING PLAN	●	●	●	●
SA3.4	SITE GRADING PLAN	●	●	●	●
SA3.5	SITE GRADING PLAN	●	●	●	●
SA3.6	SITE GRADING PLAN	●	●	●	●
SA3.7	SITE GRADING PLAN	●	●	●	●
	ENLARGED PLANS				
SA4.1	ENLARGED PLANS & ELEVATIONS		●	●	●
SA4.2	ENLARGED PLANS & ELEVATIONS		●	●	●
SA4.3	ENLARGED PLANS & ELEVATIONS		●	●	●
SA4.4	ENLARGED PLANS & ELEVATIONS		●	●	●
SA4.5	ENLARGED PLANS & ELEVATIONS		●	●	●
SA4.6	ENLARGED PLANS		●	●	●

SHEET INDEX:

SHEET #	DESCRIPTION	PERMIT REVIEW FIELD CHECK	OFFICE CHECK	PERMIT REVIEW	FOR BID/ CONSTRUCTION
	SITE DETAILS				
SA5.1	SITE DETAILS	●	●	●	●
SA5.2	SITE DETAILS	●	●	●	●
SA5.3	SITE DETAILS	●	●	●	●
SA5.4	SITE DETAILS	●	●	●	●
SA5.5	SITE DETAILS		●	●	●
SA5.6	SITE DETAILS		●	●	●
SA5.7	SITE DETAILS			●	●
SA5.8	SITE DETAILS			●	●
	CIVIL PLANS				
C1.0	BIKE PATH PROFILE		●	●	●
C2.0	STREET PARKING PLAN		●	●	●
	STRUCTURAL PLANS				
S1.1	SITE FOUNDATION PLAN - AREA 'A'			●	●
S1.2	SITE FOUNDATION PLAN - AREA 'C'			●	●
S1.3	SITE FOUNDATION PLAN - AREA 'D'			●	●
S1.4	SITE FOUNDATION PLAN - AREA 'E'			●	●
S1.5	SITE FOUNDATION PLAN - AREA 'F'			●	●
S1.6	SITE FOUNDATION PLAN - AREA 'G'			●	●
S2.1	RETAINING WALL SECTIONS		●	●	●
S2.2	RETAINING WALL SECTIONS		●	●	●
	SITE ELECTRICAL PLANS				
SE1.1	ELECTRICAL SYMBOL LIST/SCHEDULES/DETAILS	●	●	●	●
SE1.2	ELECTRICAL DETAILS	●	●	●	●
SE1.3	ELECTRICAL DETAILS		●	●	●
SE2.1	ELECTRICAL PLAN - AREA 'A'	●	●	●	●
SE2.2	ELECTRICAL PLAN - AREA 'B'	●	●	●	●
SE2.3	ELECTRICAL PLAN - AREA 'C'	●	●	●	●
SE2.4	ENLARGED ELECTRICAL PLANS/DETAILS			●	●
SE3.1	ELECTRICAL SPECIFICATIONS		●	●	●
	LANDSCAPE PLANS				
LP1.1	LANDSCAPE PLAN	●	●	●	●
LP1.2	LANDSCAPE PLAN	●	●	●	●
LP1.3	LANDSCAPE PLAN	●	●	●	●
LP1.4	LANDSCAPE PLAN	●	●	●	●
LP1.5	LANDSCAPE PLAN	●	●	●	●
LP1.6	LANDSCAPE PLAN	●	●	●	●
LP1.7	LANDSCAPE PLAN	●	●	●	●
LP2.1	LANDSCAPE NOTES/SCHEDULE/DETAILS	●	●	●	●
LP2.2	LANDSCAPE DETAILS	●	●	●	●
LP2.3	LANDSCAPE DETAILS			●	●
LP2.4	LANDSCAPE DETAILS			●	●
	IRRIGATION PLANS				
IR1-00	IRRIGATION LEGEND & NOTES				●
IR1-01	IRRIGATION PLAN				●
IR1-02	IRRIGATION PLAN				●
IR1-03	IRRIGATION PLAN				●
IR1-04	IRRIGATION PLAN				●
IR2-05	IRRIGATION DETAILS				●
IR2-02	IRRIGATION DETAILS				●

PRINTS ISSUED

DATE	PURPOSE	NO.
01.15.25	PERMIT REVIEW	
02.28.25	FOR BID/CONSTRUCTION	

RIVER CORRIDOR IMPROVEMENTS
WEST BANK - RIVERFRONT
STADIUM
WICHITA, KS

LK ARCHITECTURE
345 Riverview, Suite 200, Wichita, KS 67203
T 316.268.0230 F 316.268.0205

JEFFREY ALAN BEST
LICENSED
2011-0679
KANSAS
LANDSCAPE ARCHITECT

02.28.25

CONTACT:
DRAWN:
CHECKED:

PROJECT NUMBER:
24103

SHEET TITLE:
COVER SHEET

SHEET NUMBER:
T1.00

0000 10/20/2014 2:31:48 PM
File Path

GENERAL PROJECT NOTES:

1. SITE LAYOUT IS BASED ON POINTS ORIGINATING FROM GROUND SURVEY INFORMATION PROVIDED BY MKEC. THE EXISTING COORDINATE REFERENCE POINTS ARE CALLED OUT ON THE PLANS AS HORIZONTAL CONTROL POINTS. THE GENERAL CONTRACTOR IS EXPECTED TO LOCATE AND FLAG THESE POINTS AND PROTECT THEM THROUGH THE SITE LAYOUT PROCESS. THE CONTRACTOR SHALL STAKE THE LAYOUT OF ALL IMPROVEMENTS ASSOCIATED WITH THIS PROJECT. A SITE SURVEY HAS BEEN INCLUDED IN THE PLANS FOR REFERENCE AND INFORMATION.

2. CONTRACTOR SHALL CALL KANSAS ONE-CALL 48 HOURS PRIOR TO BEGINNING ANY WORK ON-SITE AT 316-687-2470 OR 1-800-DIG-SAFE.

3. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES ARE FROM FILES FROM SITE SURVEY. THEREFORE, THE RELATIONSHIP BETWEEN PROPOSED WORK AND EXISTING FACILITIES MUST BE CONSIDERED AS APPROXIMATE AND SUBJECT TO CHANGE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF EXISTING FACILITIES, STRUCTURES AND UTILITIES AND ANY NOT SHOWN. NOTIFY THE PROJECT ENGINEER IMMEDIATELY OF ANY DISCREPANCIES AND VERIFY CONDITIONS PRIOR TO COMMENCING WORK.

4. CONTRACTOR TO CONTACT LOCAL UTILITY COMPANIES PRIOR TO THE BEGINNING OF ANY WORK TO COORDINATE THE LOCATION OF EXISTING UTILITIES AND THE POSSIBLE RELOCATION/ADJUSTMENT OF EXISTING UTILITIES. UTILITIES INCLUDE, BUT ARE NOT LIMITED TO:

PEOPLES NATURAL GAS COMPANY	942-7600
KANSAS GAS SERVICE	383-8600
AQUILA ENERGY	1-800-303-0357
EVERGY ELECTRIC	383-8650
AT&T LEGACY FIBER OPTIC	(281) 826-3678
SOUTHWESTERN BELL	1-800-571-2611
COX COMMUNICATIONS	262-4270
WICHITA WATER & SEWER	268-4908
WICHITA ENGINEERING DEPT.	268-4501
MABCD	268-4461
WICHITA PARKS DEPARTMENT	268-4361
WICHITA PUBLIC WORKS DEPT.	268-4422
WICHITA ENVIRONMENTAL SERVICES	268-8351

5. THE CONTRACTOR IS TO PROVIDE ALL SAFETY BARRIERS, FENCING, AND SIGNAGE AROUND THE CONSTRUCTION SITE AS REQUIRED BY LOCAL REGULATIONS. CONSTRUCTION ACTIVITY MUST BE CONTAINED WITHIN THE INDICATED AND ESTABLISHED LIMITS OF CONSTRUCTION BOUNDARY.

6. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL WORK ON SITE. THIS INCLUDES BUT IS NOT LIMITED TO COORDINATION BETWEEN THE CIVIL ENGINEERING PLANS FOR THE MULTI-USE PATHWAYS, SITE ARCHITECTURAL PLANS AND STRUCTURAL ENGINEERING. ANY DISCREPANCIES BETWEEN PLANS MUST BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER FOR RESOLUTION.

7. THE CONTRACTOR SHALL RESTORE TO ORIGINAL CONDITION ANY ADJACENT (OFF-SITE) PROPERTY DISTURBED BY CONSTRUCTION OPERATIONS, AND SHALL BE RESPONSIBLE FOR ALL DAMAGES AND ASSOCIATED COSTS AT NO EXPENSE TO THE OWNER.

8. TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE AND CITY REQUIREMENTS. AT ALL TIMES, TRAFFIC CONTROL AND CONSTRUCTION PROCEDURES SHALL BE PERFORMED IN SUCH WAYS AS TO PROTECT PERSONS AND PROPERTY. PROJECT SAFETY AND SECURITY SHALL BE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR. ALL TRAFFIC CONTROL MEASURES SHALL CONFORM TO THE LATEST EDITION OF THE MUTCD (MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES).

9. THE CONTRACTOR SHALL INSTALL SIGNAGE AND BARRIERS AS NECESSARY TO NOTIFY THE PUBLIC OF THE CLOSURE OF THE EXISTING PATHWAY ALONG THE RIVER AND THE SIDEWALK ALONG FIRST STREET

10. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH LOCAL CODE REQUIREMENTS REGARDING UTILITY CROSSINGS AND CLEARANCES. NOTIFY THE OWNER OF ANY DISCREPANCIES OR CONFLICTS IMMEDIATELY.

11. SUBSTITUTION REQUESTS MUST BE MADE IN WRITING DURING THE BIDDING PROCESS FOR APPROVAL TO THE OWNER. APPROVAL OF SUBSTITUTION REQUESTS SHALL BE GIVEN IN WRITING AS AN ADDENDUM TO THE BID DOCUMENTS. SUBMIT ALL PERTINENT PRODUCT DATA WITH THE SUBSTITUTION REQUEST ALONG WITH AN EXPLANATION OF TIME AND/OR COST SAVINGS TO THE PROJECT. SUBMIT SUBSTITUTION REQUESTS NO LATER THAN FIVE DAYS PRIOR TO PROJECT BID DATE.

12. THE CONTRACTOR SHALL SUBMIT ALL REQUIRED SHOP DRAWINGS AND DATA FOR REVIEW AND APPROVAL BY THE PROJECT OWNER OF SIX WEEKS PRIOR TO SCHEDULED PURCHASE, INSTALLATION OR CONSTRUCTION OF THOSE ITEMS.

13. THE GENERAL CONTRACTOR SHALL PROVIDE TESTING FOR THIS PROJECT. COORDINATE TESTING REQUIREMENTS AND SCHEDULING WITH THE PROJECT ENGINEER AND INSPECTOR. TESTING REPORTS REPORTS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE AND THE OWNER (CITY OF WICHITA).

14. THE GENERAL CONTRACTOR SHALL PROVIDE ALL PROJECT STAKING BY A LICENSED KANSAS LAND SURVEYOR. ELECTRONIC DRAWING FILES SHALL BE MADE AVAILABLE FOR THE PURPOSES OF STAKING PLANS.

15. THE CITY (OR ITS DESIGNATED REPRESENTATIVE) SHALL RENDER ALL INSPECTIONS FOR THIS PROJECT. THE GENERAL CONTRACTOR IS EXPECTED TO COORDINATE ALL WORK AND TESTING WITH THE DESIGNATED PROJECT INSPECTOR.

16. THIS PROJECT IS SUBJECT TO ALL CITY OF WICHITA STANDARD SPECIFICATIONS AS WELL AS THE SPECIAL PROVISIONS PARTICULAR TO THIS PROJECT. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER FOR RESOLUTION, BUT, GENERALLY, THE MORE STRINGENT AND MORE COSTLY WILL APPLY.

17. THE CONTRACTOR IS EXPECTED TO FOLLOW ALL OSHA AND ANY OTHER PERTINENT WORKER SAFETY GUIDELINES TO ENSURE WORKER SAFETY ON THE PROJECT SITE.

18. ALL BID QUANTITIES ARE BASED ON PLAN-VIEW DISTANCE AND AREAS AND HAVE BEEN INCLUDED FOR INFORMATION PURPOSES. CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL QUANTITIES BASED UPON ACTUAL FIELD CONDITIONS AND PROPOSED WORK.

19. ALL WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS

20. ORDER OF PRECEDENCE FOR INFORMATION AND INSTRUCTION: ADDENDA, PLANS, SPECIFICATIONS AND THEN NOTES, EXCEPT IF THERE IS A DISCREPANCY. IN CASES OF DISCREPANCY, THE HIGHER QUALITY OR MORE COSTLY SOLUTION SHALL APPLY FOR BIDDING PURPOSES. OBTAIN FINAL DETERMINATION FROM THE PROJECT ENGINEER PRIOR TO COMMENCING WITH CONSTRUCTION OR PURCHASE. THIS APPLIES TO MAINTENANCE AND WARRANTIES IN ADDITION TO CONSTRUCTION ITEMS.

21. COORDINATE POINT INFORMATION IS GIVEN FOR THE PC, PT AND MIDPOINTS OF ALL PATHS AND WALLS. CURVE RADII IS SHOWN FOR ALL PATHS AND WALLS. THIS INFORMATION IS TO THE CENTERLINE, OR BASELINE, OF PATHS AND WALLS. COORDINATE CONTROL POINT INFORMATION IS INDICATED ON THE PLANS. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO LOCATE CONTROL POINTS AND PRESERVE THESE POINTS THROUGH CONSTRUCTION.

22. THE CONTRACTOR SHALL VERIFY ALL EXISTING GRADES AT POINTS OF TIE-IN WITH PROPOSED IMPROVEMENTS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES WITH THE GRADING PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE FOR RESOLUTION.

23. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL GRADED AREAS ON THE PROJECT HAVE POSITIVE DRAINAGE AND NO PONDING OR PUDDLING OCCURS. DEPRESSIONS MUST BE GRADED TO DRAIN AS INDICATED ON THE GRADING PLANS.

24. THE CONTRACTOR IS RESPONSIBLE FOR FOR GRADING SLOPES AS INDICATED ON THE PLANS. THIS INCLUDES GRADING SLOPES AT THE GIVEN GRADES AND GRADIENTS. NO SLOPES SHALL EXCEED THE MAXIMUM ALLOWABLE BY THE ADA GUIDELINES. NO LONGITUDINAL SLOPE SHALL EXCEED 4.9% AND NO CROSS SLOPE SHALL EXCEED 1.9%.

25. ROUGH GRADING OF ALL LANDSCAPE (TURF AND PLANTING BEDS) AREAS SHALL BE LEFT 6" BELOW FINISH GRADE TO ALLOW FOR TOPSOIL TO BE SPREAD AND FINE GRADED. A MINIMUM OF 6" OF VIABLE TOPSOIL IS REQUIRED IN ALL LANDSCAPE AREAS. TOPSOIL TO BE USED SHALL COMPLY WITH THE REQUIREMENTS OF THE LANDSCAPE SPECIFICATIONS AND NOTES.

26. PAVEMENT EXPANSION JOINTS SHALL BE PLACED AT LOCATIONS WHERE PAVING MATERIALS CHANGE AND AS INDICATED ON THE PLANS. PROVIDE EXPANSION JOINTS AS INDICATED BUT AT NO GREATER THAN 80 FEET ON CENTER. ALIGN WITH EXPANSION JOINTS IN SHEET PILE CAP.

27. CONTROL JOINTS SHALL BE PLACED AT LOCATIONS SHOWN ON THE PLANS. GENERALLY, CONTROL JOINTS SHALL NOT BE LOCATED MORE THAN TEN (10) FEET ON CENTER UNLESS OTHERWISE SHOWN. ALIGN WITH CONTROL JOINTS IN SHEET PILE CAP.

28. PRIOR TO THE PURCHASE OF LIMESTONE LEDGEROCK, THE CONTRACTOR SHALL CONTACT THE OWNER FOR A MATERIAL INSPECTION AND APPROVAL OF SELECT EXAMPLES AT THE PROJECT SITE PRIOR TO DELIVERY OF THE STONE.

29. PRIOR TO THE PURCHASE OF LIMESTONE VENEER, THE CONTRACTOR SHALL CONTACT THE OWNER FOR A MATERIALS INSPECTION AND APPROVAL AT THE PROJECT SITE PRIOR TO DELIVERY OF THE STONE.

30. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE DEPTHS OF ALL STORM WATER SEWER LINES THAT EXIST WITHIN THE PROJECT EXTENTS TO IDENTIFY ANY POTENTIAL CONFLICTS. IF CONFLICTS WITH EXISTING LINES ARE IDENTIFIED, THE PROJECT ENGINEER MUST BE CONTACTED IMMEDIATELY AND WORK MUST STOP AT THOSE LOCATIONS, PENDING RESOLUTION.

31. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF IRRIGATION SLEEVE INSTALLATION THROUGH WALLS AND UNDER PAVEMENTS. SLEEVES SHALL BE SCH-40 PVC, TWICE THE DIAMETER OF THE IRRIGATION LINES. REFER TO SPECIFICATIONS FOR BURY DEPTHS.

32. COLORED CONCRETE WALLS SHALL BE AN INTEGRALLY COLORED CONCRETE. COLOR SHALL BE CONSISTENT THROUGHOUT THE WALL AND BETWEEN CONCRETE POURS. INTEGRAL CONCRETE COLOR SHALL BE THE FOLLOWING OR APPROVED EQUIVALENT PRODUCT:
DAVIS COLOR: MESA BUFF (6447)
3700 E. Olympic Blvd., Los Angeles, CA 90023

33. WHERE A FORM LINER FINISH IS CALLED FOR ON THE PLANS ON THE COLORED CONCRETE RETAINING WALL, THE OUTSIDE (RIVER SIDE) FACE OF THE WALL SHALL HAVE A FORM LINER PATTERNED FINISH AS INDICATED IN THE WALL PROFILES. FORM LINER SHALL BE DEPRESSED INTO THE WALL SURFACE. FORM LINER PRODUCT SHALL BE THE FOLLOWING OR APPROVED EQUIVALENT:
FORM LINER: **14674 Sine Wave (1' Depth, 6" On-Center)**
FITZGERALD FORMLINERS
1500 E. Chestnut Ave., Santa Ana, CA 92701

34. ALL CONCRETE RETAINING WALLS SHALL HAVE A LIQUID APPLIED ELASTOMERIC WATERPOOFING MEMBRANE APPLIED TO THE EARTHEN SIDE PER MANUFACTURER SPECIFICATIONS AND GUIDELINES INCLUDING AUXILIARY MATERIALS. USE OF THE FOLLOWING OR APPROVED EQUIVALENT PRODUCT:
BASF (SONNEBORN) SONOSHIELD HLM 5000
889 Valley Park Drive, Shakopee, MN 55379
www.BuildingSystems.BASF.com
800-433-9517

35. LIMESTONE VENEER STONE SHALL BE SILVERDALE LIMESTONE QUARRIED IN KANSAS. REFER TO SPECIFICATIONS FOR APPROVED SOURCES.

36. LIMESTONE LEDGE ROCK SHALL BE DOVER GRAY. SUBMIT PHOTOGRAPH SAMPLES FOR REVIEW & APPROVAL PRIOR TO PURCHASE AND DELIVERY.

38. MOCK-UP SAMPLES:
THE CONTRACTOR SHALL PROVIDE MOCK-UP SAMPLES OF THE FOLLOWING ITEMS FOR REVIEW AND APPROVAL PRIOR TO FINAL INSTALLATIONS. MOCK-UP SAMPLES SHALL BE LEFT ON-SITE AND PROTECTED DURING CONSTRUCTION TO COMPARE AND JUDGE FINAL PRODUCTS.

- STONE VENNER: ONE (1) 4'x4' MOCK-UP PANEL FOR EACH STONE TYPE.
- COLORED CONCRETE RETAINING WALL W/ FORMLINER: ONE (1) 5'x5' PANEL
- CONCRETE PAVERS: ONE (1) 4'x4' AREA FOR EACH PAVER TYPE.
- STRUCTURED SOIL CELLS

UTILITY RELOCATIONS

PRIMARY POWER AND LIGHT EXISTING LIGHT POLES ALONG McLEAN BLVD. ARE PLANNED AND COORDINATED FOR RELOCATION WITH EVERGY.
CONTACT:
SHANE PRICE
Shane.Price@Evergy.com

VERIZON EQUIPMENT LOCATED ALONG McLEAN BLVD. TO BE RELOCATED TO WEST SIDE OF McLEAN NEAR VERIZON POLE.
CONTACT:
JARROD FARLEY
jarrod.farley@verizonwireless.com

NEW 2" BLACK HILLS GAS LINE PROPOSED ALONG WEST CURB LINE OF McLEAN BLVD.
CONTACT:
RAY ORTEGA
Ray.Ortega@blackhillscorp.com

PROJECT INFORMATION:

PROPERTY OWNER: CITY OF WICHITA, A MUNICIPAL CORPORATION
455 NORTH MAIN, WICHITA, KS 67202

PROJECT AREA: PROJECT AREA IS APPROXIMATELY 186,700 SF (4.28 ACRES)

ZONING: PUD - 61 BALLPARK VILLAGE PUD
HISTORIC ENVIRONS

FLOOD ZONE: ZONE 'X' AND AE

DESCRIPTION OF WORK:

THESE PLANS INCLUDE GRADING OF THE WEST BANK TO ALLOW FOR THE CONSTRUCTION OF NEW MULTI-USE PATHWAYS, SIDEWALKS, RAMPS AND STEPS FOR ACCESSING THE RIVER. ADDITIONAL AMENITIES INCLUDE SITE LIGHTING ALONG THE RIVER BANK AND McLEAN BLVD., IRRIGATION SYSTEM AND LANDSCAPE IMPROVEMENTS.

THE ARKANSAS RIVER WILL BE LOWERED NO EARLIER THAN AUGUST 31, 2024 AND WILL BE RAISED MARCH 1, 2025 PER KDWP PERMIT RESTRICTIONS.

ARMY CORP OF ENGINEERS, DEPARTMENT OF WATER RESOURCES AND KDHE PERMITTING HAVE BEEN COMPLETED FOR THIS PROJECT

CONTROL POINT TABLE

Datum:
The Horizontal Datum is based on the Kansas Coordinate System of 1983, NAD83(2011), EPOCH:2010.0000, South Zone. Coordinates shown have been modified to the ground using a combined adjustment factor of 1.0001200144. State Plane coordinates can be calculated by multiplying the shown values by 0.99988. All elevations shown are based on the NAVD 88 vertical datum, Geoid12b.

Note:
All Control Points shown have elevations established using standard surveying procedures and can be used as temporary benchmarks. When using a Control point as a temporary benchmark, it is recommended that cross-checks be made to other control points or benchmarks to confirm elevations prior to use.

Control Points:

CP/BM 100		
N: 1685450.585	E: 1646937.525	EL: 1302.09
Description of control point: + cut		
CP/BM 101		
N: 1685458.964	E: 1647048.926	EL: 1286.235
Description of control point: + cut		
CP/BM 102		
N: 1685098.269	E: 1647131.671	EL: 1285.98
Description of control point: + cut		
CP/BM 103		
N: 1684925.414	E: 1647101.312	EL: 1298.72
Description of control point: + cut		
CP/BM 104		
N: 1684483.917	E: 1647069.773	EL: 1298.395
Description of control point: + cut		
CP/BM 105		
N: 1683905.405	E: 1647233.612	EL: 1299.815
Description of control point: + cut		
CP/BM 106		
N: 1683936.737	E: 1647295.896	EL: 1285.985
Description of control point: + cut		

BENCHMARKS

BM #201 CHISELED SQUARE ON TOP OF CURB, NORTH SIDE OF FIRST MEDIAN NORTH OF MAPLE IN CENTER OF McLEAN BLVD.
ELEV. 1298.72 NAVD 88

BM #202 CHISELED SQUARE ON TOP OF CURB INLET. FIRST INLET ON SOUTH SIDE OF MAPLE, WEST OF McLEAN BLVD. AND MAPLE.
ELEV. 1295.47 NAVD 88

BM #203 CHISELED SQUARE ON NORTH CURB RETURN, NORTHWEST CORNER OF INTERSECTION OF SYCAMORE STREET AND BURTON STREET.
ELEV. 1299.60 NAVD 88

QUANTITIES

QUANTITIES INDICATED ARE FOR INFORMATION ONLY. THE BIDDER SHALL BE RESPONSIBLE FOR CALCULATING ALL QUANTITIES REQUIRED FOR THE PROJECT.

EARTHWORK QUANTITIES ABOVE ARE FOR GRADING ONLY AND DOES NOT INCLUDE EXCAVATION OR FILLS FOR WALL FOUNDATIONS.

ALL SITE WORK FOR THIS PROJECT IS CONSIDERED "UNCLASSIFIED". THE TERM "UNCLASSIFIED" EXCAVATION SHALL BE DEFINED AS MEANING THE CONTRACTOR BEARS THE ENTIRE RISK OF THE SOIL QUANTITIES AND/OR TYPE (E.G. ROCK, CLAY, PEAT, SILT, SHALE, ETC.) ENCOUNTERED EITHER ABOVE OR BELOW PROPOSED SUBGRADES. IN THE EVENT IT BECOMES NECESSARY FOR UNSUITABLE MATERIAL TO BE HANDLED, REMOVED FROM THE SITE, OR FOR SUITABLE MATERIAL TO BE IMPORTED TO THE SITE, THE CONTRACTOR SHALL BEAR THE ENTIRE COST OF SUCH ADDITIONAL WORK. "UNSUITABLE" SOIL ALSO INCLUDES SATURATED SOILS THAT MAY NEED REPLACING AND/OR TREATING IN ORDER TO MEET SCHEDULE DATES. THIS DEFINITION OF "UNCLASSIFIED" SUPERCEDES ANY CONTRARY DEFINITIONS OR STATEMENTS WHICH MAY BE CONTAINED IN THE SPECIFICATIONS, PLANS OR OTHER DOCUMENTS.

ALL QUANTITIES ARE PLAN VIEW CALCULATIONS AND HAVE NOT TAKEN INTO ACCOUNT VARIATIONS FOR SLOPED AREAS.

ANY ITEM NOT SPECIFICALLY CALLED OUT SHALL BE CONSIDERED SUBSIDIARY TO WORK RELATED TO EACH SPECIFIC ITEM LISTED.

RECAPITULATION OF QUANTITIES

Item #	Item/Remarks	Estimated Quantity	Unit
	Site Preparation		
	Site Clearing	1	LS
	Pavement Removal	1,300	SY
	Concrete C & G Removal	190	LF
	Concrete Stair Removal	48	SY
	Concrete Fountain Structure, Basin, & Vault Removal	1	LS
	Retaining Wall Removed	400	LF
	Tree Removal (Large >12" Dia.)	22	EA
	Tree Removal (Small <12" Dia.)	6	EA
	Tree Protection	3	EA
	BMP - Erosion Control Blanket	6,800	SY
	BMP - Silt Fence	2,600	LF
	Construction Entrance	1	LS
	Project Fencing & Signage	1	LS
	Manhole Adjusted w/o Ring & Cover	3	EA
	Earthwork		
	Excavation, Common	3,200	CY
	Excavation, Contractor Furnished	1,900	CY
	Fill, Loose	1,000	CY
	Fill, Compacted (95% Density)	3,435	CY
	Imported Topsoil - 6" Depth	1,205	CY
	Fine Grading	65,110	SF
	Pavements		
	Concrete Pavement, 7" Thick Reinforced	345	SY
	Concrete Pavement, 5" Thick Non-Reinforced	54,300	SF
	Concrete Pavement, 4" Thick Non-Reinforced	1,400	SF
	Concrete C & G Type 1	245	LF
	Concrete Curb, 4" Integral	660	LF
	Crushed Concrete Base, 5"	6,530	SY
	Concrete Mow Strip at Light Pole	15	EA
	Paver Edge Restraint	220	LF
	Concrete Pavers w/5" Reinf. Conc. Base	3,182	SF
	Brick Pavers w/5" Reinf. Conc. Base	4,215	SF
	Wheelchair Ramp w/Detectable Warnings	4	EA
	Pavement Marking	1	LS
	Cast-in-Place Concrete		
	Structural Concrete (Colored, Formliner, Curved)	270	CY
	Structural Concrete (Colored, Curved)	22	CY
	Structural Concrete (Gray Concrete, Sandblast Finish)	5	CY
	Structural Concrete (Gray Concrete)	382	CY
	Tree Well w/Grate (60" Square)	1	EA
	Tree Well w/Grate (60" x 120")	9	EA
	Concrete Steps	55	CY
	Masonry/Rockwork		
	Limestone Ledgerock, Dover Gray	1,690	TON
	Limestone Block Seatwall, Dover Gray	7	TON
	CMU Concrete Block	540	SFF
	Limestone Fieldstone, Dover Gray	6,510	SF
	Limestone Veneer, Silverdale	2,185	SFF
	Limestone Wall Cap, Silverdale (6" thick x 18" wide)	57	LF
	Limestone Wall Cap, Silverdale (6" thick x 22" wide)	72	LF
	Limestone Wall Cap, Silverdale (6" thick x 28" wide)	49	LF
	Limestone Wall Cap, Silverdale (6" thick x 40" wide)	40	LF
	Limestone Veneer & Cap Light Pole Base, Silverdale	2	EA
	Handrails/Guardrails/Fences		
	Guardrail - 42" Tall-SS Cable, Galvanized & Painted	798	LF
	Handrail - Ramp, Galvanized & Painted	371	LF
	Handrail - Steps, Galvanized & Painted	292	LF
	Douglas Bridge Railing Modification/Extension	1	LS
	Waterman Bridge Railing Modification/Extension	1	LS
	Electrical Equipment Screen Fence & Gate	1	LS
	Electrical		
	Electrical Conduit & Wiring	1	LS
	Junction boxes	10	EA
	Electrical Service, Panel & Cabinet	1	LS
	River Light Pole, Type A, B, C - Deliver & Install Only	27	EA
	River Light Pole, Type D - Deliver & Install Only	2	EA
	Bollard Light, Type F - Deliver & Install Only	22	EA
	Recessed Wall Fixture, Type G	9	EA
	McLean Light Pole, Type H - Deliver & Install Only	44	EA
	Transformer Pad 7 x 7 & Bollards	1	LS
	Irrigation Systems		
	Service Outlet Assembly, 2"	1	EA
	Water Meter Installed, 2"	1	EA
	Service Line, Long 2"	1	EA
	Service Outlet Assembly, 1"	1	EA
	Water Meter Installed, 1"	1	EA
	Service Line, Short 1"	1	EA
	Automatic Irrigation System	65,110	SF
	Site Furnishings		
	Galet Bench	13	EA
	Trash Receptacle	5	EA
	Bike Rack	19	EA
	Landscape Planting		
	Structural Soil Cell Units W/Select Backfill	228	EA
	Tree Well Select Backfill	63	CY
	Deciduous Shade Tree - 6" Cal.	1	EA
	Deciduous Shade Tree - 3" Cal.	41	EA
	Deciduous Shade Tree - 2" Cal.	23	EA
	Deciduous Ornamental Tree - 8' Height	9	EA
	Evergreen Tree - 6' Height	9	EA
	5 Gallon Plant	409	EA
	2 Gallon Plant	816	EA
	1 Gallon Plant	53	EA
	Steel Edging - 1/8" x 6"	845	LF
	Steel Edging - 1/4" x 8"	775	LF
	Planting Bed Preparation	25,960	SF
	Shreaded Cypress Mulch	350	CY
	Buffalo Sod - Legacy	4,350	SY
	Decomposed Granite	2,100	SF
	Washed River Cobble, 2"-3"	2	CY

PRINTS ISSUED

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01.15.25	PERMIT REVIEW	
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RIVER CORRIDOR IMPROVEMENTS
WEST BANK - RIVERFRONT
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JEFFREY WAYNE KNOX
LICENSED
11679
KANSAS
LANDSCAPE ARCHITECT
02.28.25

CONTACT:
DRAWN:
CHECKED:
PROJECT NUMBER:
24103
SHEET TITLE:
GENERAL NOTES & SUMMARY OF QUANTITIES
SHEET NUMBER:
T1.01

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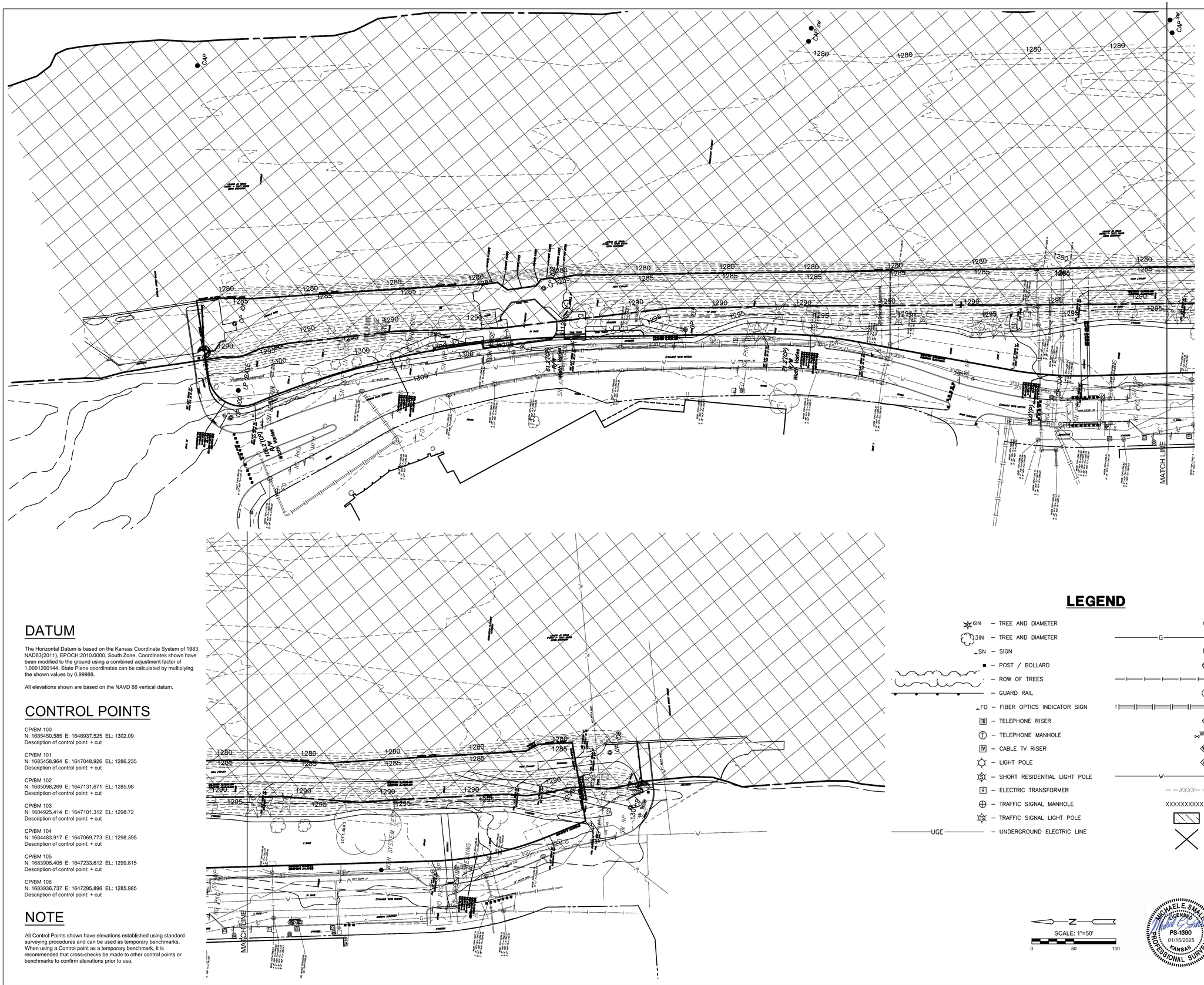
MATCH LINE
MATCH LINE
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CAP
CAP SW
1280
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SW
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OHP
LP
Wichita Riverwalk
Main Riverwalk
Lot 1, Blk 2
Lot 2, Blk 2
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Lot 4, Blk 2
Lot 5, Blk 2
Lot 6, Blk 2
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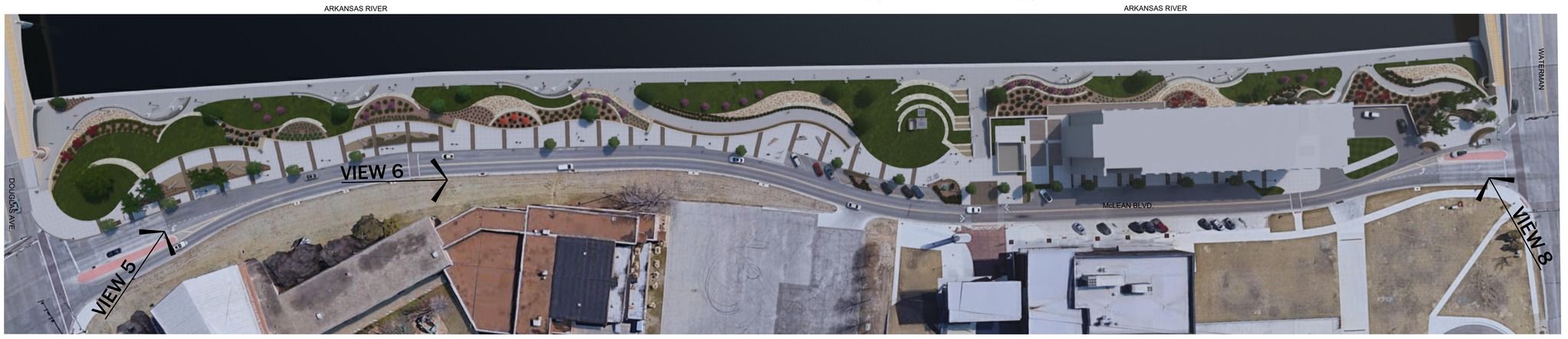
Lot 10, Blk 2
Lot

VIEW 1

VIEW 2

VIEW 3

VIEW 4



VIEW 5

VIEW 6

VIEW 7

VIEW 8

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JEFFREY ALAN SIMS
LICENSED
11-1679
KANSAS
LANDSCAPE ARCHITECT

02.28.25

CONTACT:
DRAWN:
CHECKED:

PROJECT NUMBER:
24103

SHEET TITLE:
COMPOSITE SITE PLAN

SHEET NUMBER:
T1.03

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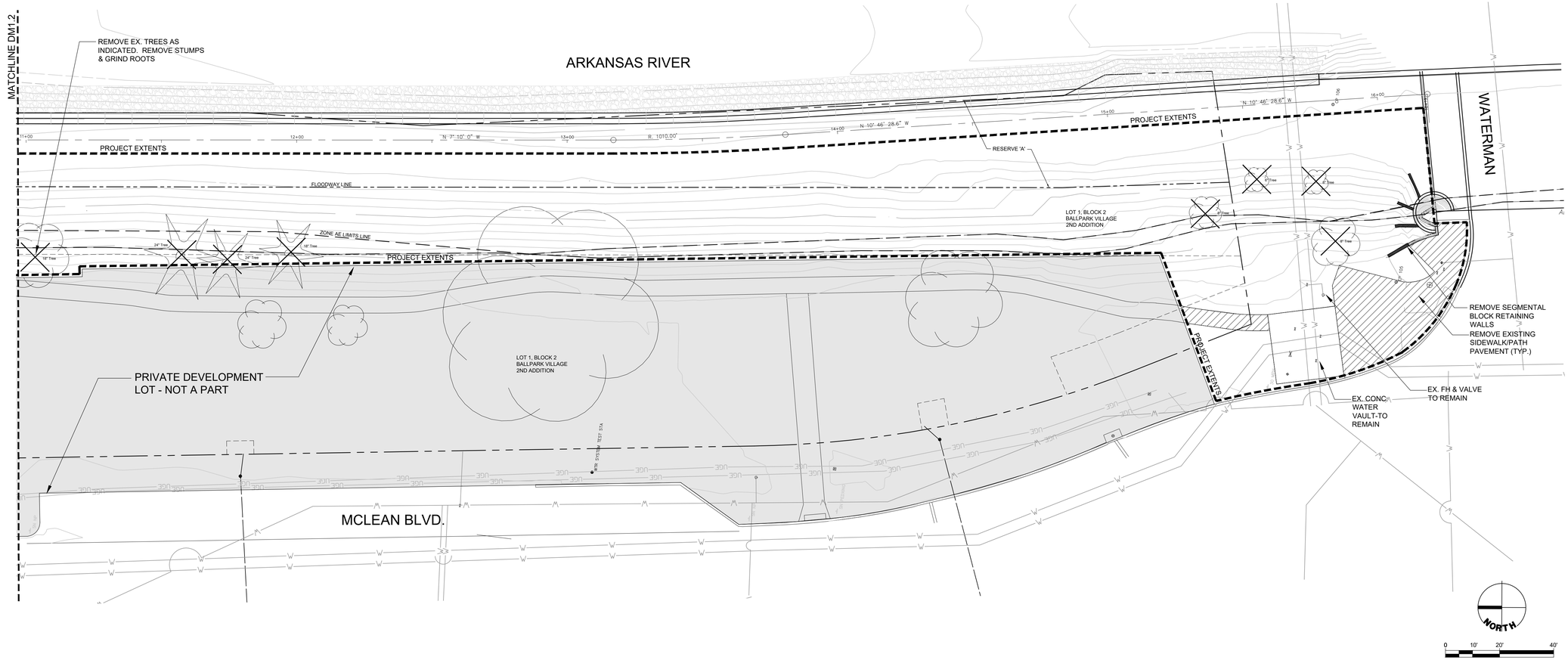
DEMOLITION/CLEARING NOTES:

1. ALL CITY OF WICHITA STANDARD SPECIFICATIONS, STANDARDS AND DETAILS SHALL APPLY TO THIS PROJECT AND THIS WORK UNLESS SPECIFICALLY INDICATED OTHERWISE. REPORT ANY DISCREPANCIES BETWEEN THE PLANS AND CITY STANDARDS TO THE PROJECT ENGINEER FOR RESOLUTION.
2. THE PROJECT LIMITS (EXTENTS) HAS BEEN SHOWN ON THE PLANS. THE AREA INDICATED AS "PRIVATE DEVELOPMENT" SHALL BE CONSIDERED OUTSIDE THE LIMITS OF THIS PROJECT. HOWEVER, THIS AREA WILL BE UNDER CONSTRUCTION CONCURRENTLY AND COORDINATION BETWEEN PROJECTS WILL BE REQUIRED.
3. COORDINATE WITH THE ADJACENT PRIVATE DEVELOPMENT PROJECT TO PROPOSE A CONSTRUCTION STAGING AREA. THIS MAY BE A COMMON AREA BUT SHOULD BE SECURED INDEPENDENT OF THE OTHER. SUBMIT A CONSTRUCTION STAGING AND SEQUENCING PLAN TO THE PROJECT ENGINEER AT THE TIME OF THE PRE-CONSTRUCTION MEETING.
4. DEMOLISHED MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS.
5. THE CONTRACTOR IS ENCOURAGED TO VISIT THE SITE PRIOR TO WORK AND MAKE NOTATIONS AND TAKE PHOTOGRAPHS OF BOTH THE PROJECT AREA AND ADJACENT AREA FOR THEIR RECORDS.
6. ALL REMOVED/DEMOLISHED MATERIALS TO BE DISPOSED OF IN A SAFE AND LEGAL MANNER UTILIZING LOCAL CONSTRUCTION/DEMOLITION LANDFILL FACILITIES.
7. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE GENERAL PUBLIC FROM INJURY AS A RESULT OF THE DEMOLITION PROCESS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE INSTALLATION OF CONSTRUCTION FENCING AND SIGNAGE.
8. THE CONTRACTOR IS RESPONSIBLE FOR FILLING AND COMPACTING ALL DEPRESSIONS AND VOIDS LEFT BY THE REMOVAL OF EXISTING UTILITIES AND FOUNDATIONS.
9. THE CONTRACTOR IS RESPONSIBLE FOR PLUGGING ALL ENDS OF ABANDONED PIPED UTILITIES, CUTTING POWER TO ALL ABANDONED LIGHT POLES, CAPPING ABANDONED GAS LINES AND GROUTING SOLID VOIDS LEFT IN MANHOLES PER LOCAL CODES.
10. THE CONTRACTOR IS RESPONSIBLE FOR ABANDONING ANY NON-VIABLE WATER VALVES AND WATER SERVICE LINES ON SITE. VERIFY WITH THE PROJECT ENGINEER WHICH VALVES AND LINES ARE TO BE ABANDONED PRIOR TO COMMENCING WORK.
11. REMOVE EXISTING TREES AND UNDERBRUSH AS INDICATED ON THE DEMOLITION PLAN. GRIND OR REMOVE STUMPS FROM REMOVED TREES.
12. STRIP SITE AND STOCKPILE IN APPROVED AREA. SEED TOPSOIL STOCKPILE OR COVER TO PREVENT EROSION OF TOPSOIL.
13. THE CONTRACTOR MUST CONTACT THE CITY OF WICHITA ARCHEOLOGIST IN THE EVENT HUMAN OR ARCHEOLOGICAL REMAINS ARE DISCOVERED DURING THE DEMOLITION/EXCAVATION PROCESS.
14. WHERE POSSIBLE AND FEASIBLE, CONTRACTOR SHALL RECYCLE DEMOLISHED MATERIALS TO LIMIT WASTE OF REUSABLE MATERIALS.
15. THE GENERAL CONTRACTOR SHALL INSTALL FENCE BARRIERS AROUND THE DRIPLINE OF TREES TO REMAIN. TREE PROTECTION MEASURES SHALL BE IN PLACE PRIOR TO THE START OF DEMOLITION WORK AND SHALL REMAIN IN PLACE THROUGHOUT THE DURATION OF CONSTRUCTION ACTIVITY.
16. NO VEHICULAR OR MECHANICAL EQUIPMENT SHALL BE USED, STORED OR TRANSPORTED ACROSS THE DRIPLINE OF TREES TO REMAIN. NOTHING SHALL BE STORED WITHIN THE DRIPINE OF TREES TO REMAIN.
17. TREE PROTECTION MEASURES SHALL BE REVIEWED BY THE PROJECT ENGINEER FOR APPROVAL.
18. TREES DESIGNATED TO REMAIN, WHICH ARE DAMAGED OR DESTROYED AS A RESULT OF DEMOLITION OR CONSTRUCTION ACTIVITY AS DETERMINED BY THE PROJECT ENGINEER, SHALL BE REPLACED AT THE RATE OF ONE CALIPER INCH FOR EACH CALIPER INCH LOST, AT NO ADDITIONAL COST TO THE OWNER.

DOUGLAS AVE. BRIDGE - GUARDRAIL REMOVAL/SALVAGE



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02.28.25	FOR BID/CONSTRUCTION	

RIVER CORRIDOR IMPROVEMENTS
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JEFFREY ALAN BEST LICENSED 2024 14679 KANSAS LANDSCAPE ARCHITECT

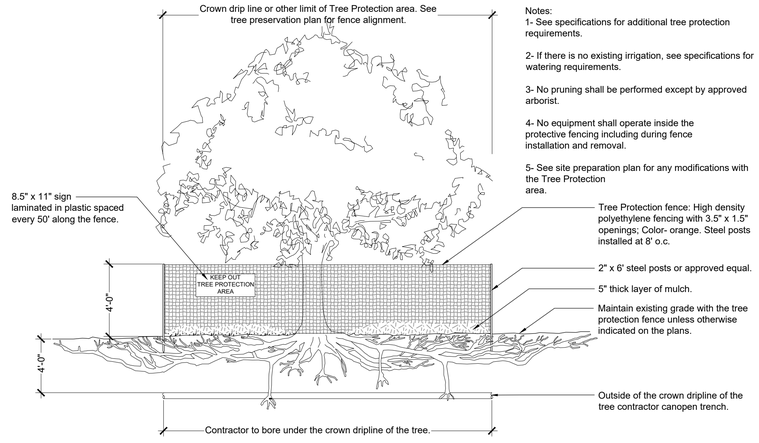
02.28.25

CONTACT:	J. BEST
DRAWN:	JAB
CHECKED:	J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: DEMOLITION/ CLEARING PLAN

SHEET NUMBER: DM1.1



SECTION VIEW

Notes:
1- See specifications for additional tree protection requirements.

2- If there is no existing irrigation, see specifications for watering requirements.

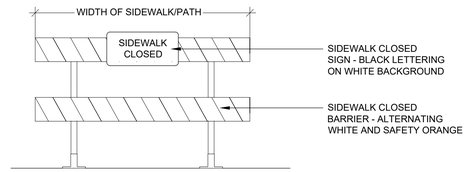
3- No pruning shall be performed except by approved arborist.

4- No equipment shall operate inside the protective fencing including during fence installation and removal.

5- See site preparation plan for any modifications with the Tree Protection area.

1 TREE PROTECTION DETAIL

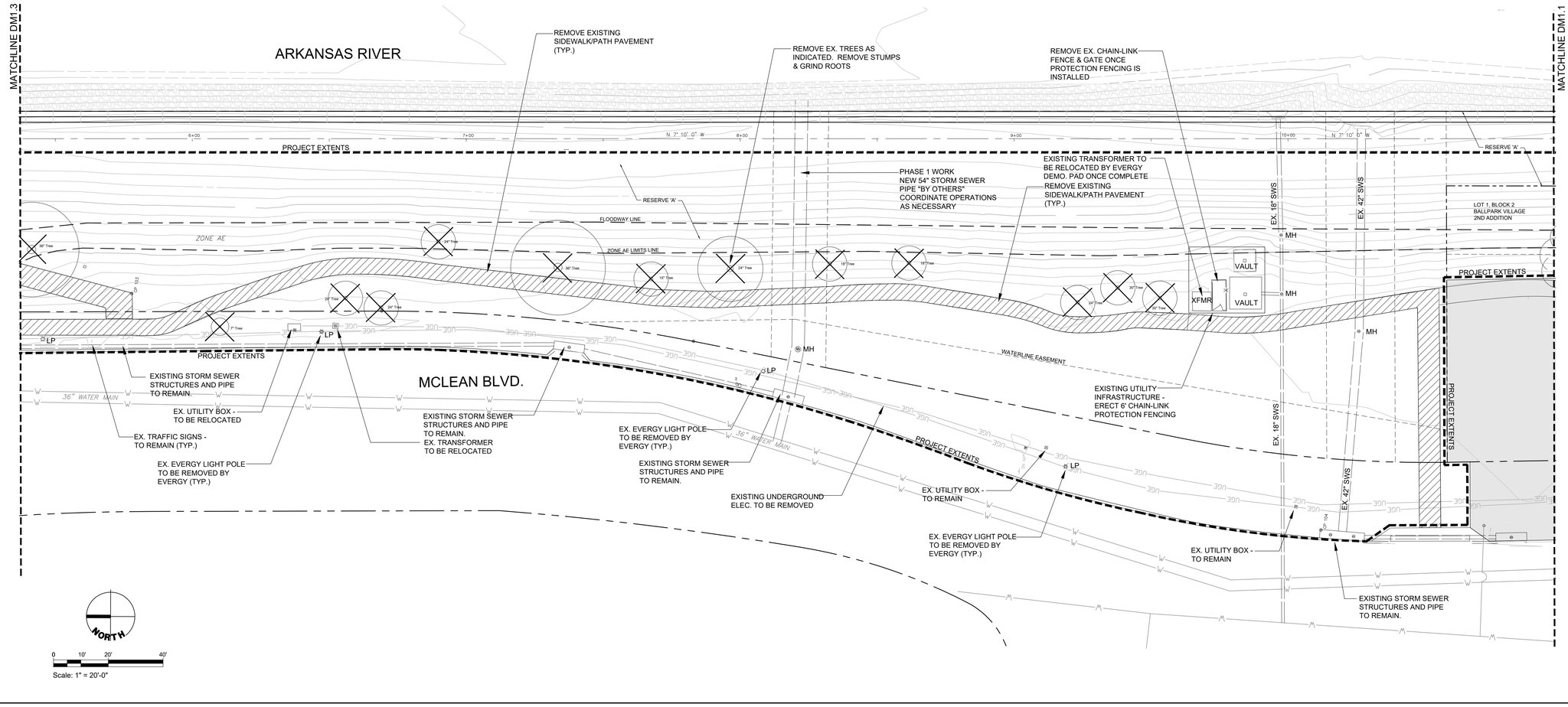
1/4" = 1'-0"



2 PATHWAY BARRIER

SHOWN FOR INTENT - ACTUAL BARRIER SIGN MAY VARY

SCALE: 1/2" = 1'-0"



NORTH

0 10' 20' 40'

Scale: 1" = 20'-0"

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JEFFREY ALAN BEST LICENSED LANDSCAPE ARCHITECT 1679 KANSAS LANDSCAPE ARCHITECT

02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER: 24103

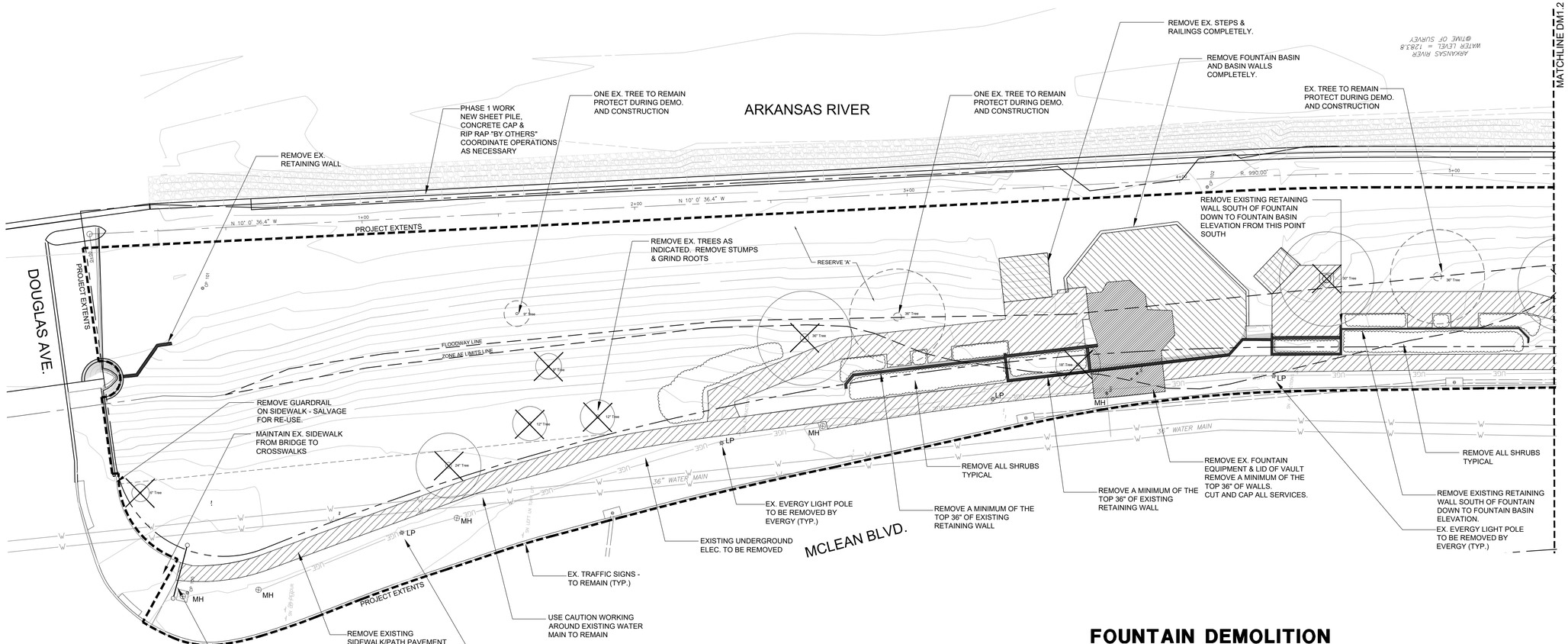
SHEET TITLE: DEMOLITION/ CLEARING PLAN

SHEET NUMBER: DM1.2

REMOVE FOUNTAIN CASCADE FEATURE TO BASIN GRADE

REMOVE EX. CONC. PLATFORM, RAILINGS, & CONCRETE WALLS TO BASIN ELEVATION

LOWER CONCRETE REMOVED "BY OTHERS" IN PHASE 1 SCOPE OF WORK



FOUNTAIN DEMOLITION

1. THE EXISTING FOUNTAIN SHALL BE DEMOLISHED AND REMOVED FROM THE PROJECT SITE. THIS INCLUDES CUTTING OF THE UPPER RETAINING WALLS TO 24" BELOW GRADE. LOWER WALLS AND STEPS MAY BE REMOVED TO THE ELEVATION OF THE LOWER FOUNTAIN BASIN. BASIN SHALL BE REMOVED.
2. THE CONTRACTOR SHALL REMOVE THE CONCRETE LID OF THE FOUNTAIN VAULT, REMOVE FOUNTAIN EQUIPMENT, SEVERE AND CAP ALL SERVICES. CUT WALLS TO 24" BELOW GRADE AND BACKFILL VAULT WITH COMPACTED SAND FILL.
3. FOUNTAIN CASCADE FEATURE SHALL BE DEMOLISHED AND REMOVED TO LOWER BASIN ELEVATION.
4. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THAT WORK DOES NOT DESTABLIZE THE EAST CURB LINE OF McLEAN BLVD. A WORKPLAN SHALL BE PREPARED FOR REVIEW BY THE CITY OF WICHITA PRIOR TO ANY DEMOLITION IN THIS AREA COMMENCES.
5. ALL GUARDRAILS AND HANDRAILS TO BE REMOVED AND DISPOSED OF.
6. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT THE GENERAL PUBLIC OF HAZARDS CREATED BY DEMOLITION OF THE FOUNTAIN AND RETAINING WALLS. THIS INCLUDES, BUT IS NOT LIMITED TO SAFETY FENCING AROUND POTENTIALLY DANGEROUS CONDITIONS SUCH AS FALLS OVER 18".

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JEFFREY ALAN BEST LICENSED 11-1679 KANSAS LANDSCAPE ARCHITECT
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: DEMOLITION/ CLEARING PLAN

SHEET NUMBER: DM1.3

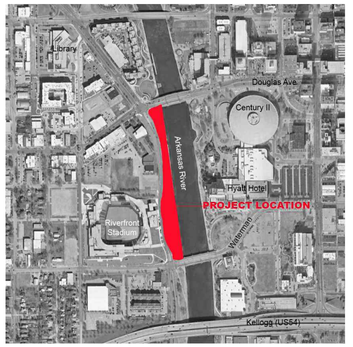
EROSION CONTROL NOTES:

1. EROSION CONTROL IS TO MEET ALL FEDERAL, STATE, COUNTY AND LOCAL CODES AND STANDARDS.
2. NO LAND CLEARING OR GRADING SHALL COMMENCE UNTIL ALL APPLICABLE EROSION CONTROL MEASURES HAVE BEEN INSTALLED. THIS PROJECT IS SUBJECT TO EROSION CONTROL MEASURES AND THE CONTRACTOR SHALL COMPLY WITH ANY UNUSUAL REQUIREMENTS AS NECESSARY FOR THE SITE TO BE IN COMPLIANCE DURING CONSTRUCTION.
3. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY THE OWNER (CITY OF WICHITA).
4. CONTRACTOR SHALL PROVIDE EROSION PROTECTION THROUGHOUT PROJECT CONSTRUCTION. THE PLAN PROVIDED HEREIN IS FOR FINAL PROTECTION, VARIOUS PHASES OF THIS PLAN SHALL BE IMPLEMENTED OR MODIFIED TO CONTROL EROSION DEPENDANT UPON STAGES OF WORK. MODIFICATIONS OF THE EROSION CONTROL PLAN SHALL BE APPROVED BY THE OWNER.
5. CONTRACTOR SHALL PROVIDE A SIGN NEAR THE PROJECT ENTRANCE WITH THE FOLLOWING INFORMATION:
   - CONTACT NAME AND INFORMATION
   - COPY OF THE NOI
   - LOCATION OF SWPPP
6. THIS PLAN SHALL NOT BE CONSIDERED TO BE ALL INCLUSIVE. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM ENTERING ANY ADJACENT WATER BODY OR LEAVING THE PROPERTY.
7. CONTRACTOR SHALL MAINTAIN EROSION CONTROL MEASURES AFTER EACH RAIN AND AT LEAST ONCE PER WEEK. CONTRACTOR SHALL KEEP RECORDS OF THESE MAINTENANCE EFFORTS AND ANY FIELD CHANGES OR REPAIRS THAT OCCUR
8. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY AN ON-SITE INSPECTION BY THE OWNER (CITY OF WICHITA) OR THE OWNER'S REPRESENTATIVE.
9. COORDINATE ALL EROSION AND SEDIMENT CONTROL WITH ADJACENT HOTEL PROJECT AND THAT PROJECT'S BMP'S.
10. SEEDING AREAS SHALL BE PREPARED AND PLANTED WITH APPROPRIATE SEED DRILL AT RATE SPECIFIED.
11. ALL SEEDED AREAS SHALL BE IMMEDIATELY MULCHED WITH PRAIRIE HAY AT TWO TONS/ACRE. ANCHOR MULCH BY CRIMPING INTO TOPSOIL WITH SUITABLE MECHANICAL EQUIPMENT. IF PERMANENT PLANTING IS NOT TO BE ACCOMPLISHED WITH 30 DAYS OF FINISH GRADING, ALL AREAS SHALL HAVE EROSION CONTROL BLANKET INSTALLED UNTIL FINAL PLANTING OCCURS.
12. ANY MUD OR SEDIMENT TRACKED ONTO ADJACENT PAVED AREAS OR STREETS SHALL BE REMOVED AT THE END OF EACH WORK DAY.
13. ALL DISTURBED AREAS SHALL BE SEEDED AND FERTILIZED AS FOLLOWS IF PERMANENT LANDSCAPING ISN'T INSTALLED WITHIN 14 DAYS:
    ANNUAL RYE @ 2LBS/1000SF
    10-20-10 @ 2LBS/1000SF

CONSTRUCTION SEQUENCING

1. STABILIZED CONSTRUCTION ENTRANCE
2. INSTALL SILT FENCE ALONG THE ARKANSAS RIVER BANK
3. GRADING
4. INSTALLATION OF CONCRETE WALLS, PATHS AND LEDGEROCK
5. INSTALLATION OF SILT FENCING TO PROTECT PAVED AREAS
6. TEMPORARY SEEDING AS NECESSARY
7. TOPSOIL AND FINE GRADING
8. INSTALLATION OF EROSION CONTROL BLANKET
9. PERMANENT GROUND COVER PLANTING
10. REMOVAL OF CONSTRUCTION ENTRANCE
11. REMOVAL OF SILT FENCE AND OTHER EROSION CONTROL ITEMS

PROJECT LOCATION MAP

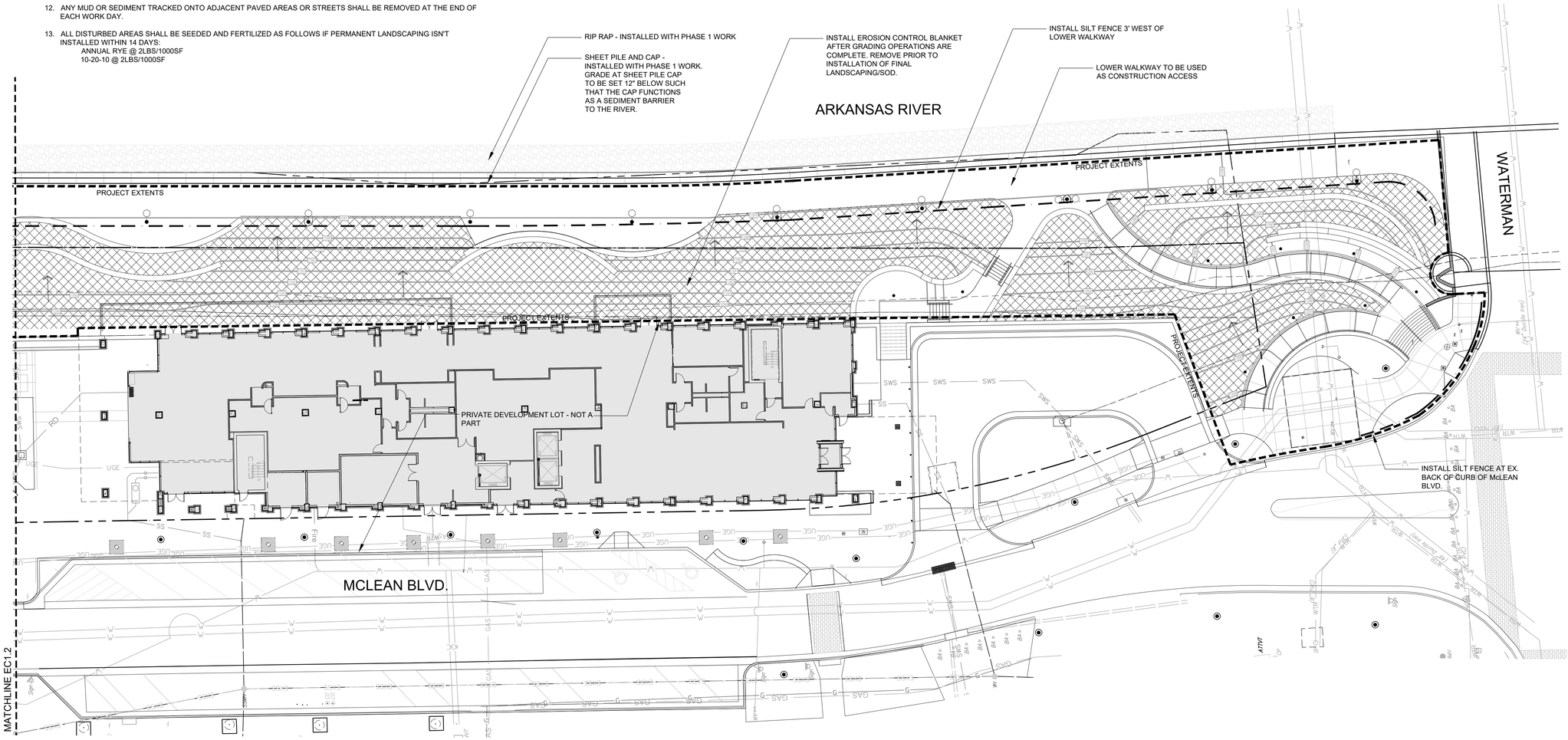


PLAN LEGEND

STABILIZATION AREA - EROSION CONTROL BLANKET

SILT FENCE

SURFACE FLOW DIRECTION



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JEFFREY ALAN BEST LICENSED 11/1979 KANSAS LANDSCAPE ARCHITECT

02.28.25

CONTACT:	J. BEST
DRAWN:	JAB
CHECKED:	J. BEST

PROJECT NUMBER: **24103**

SHEET TITLE: EROSION CONTROL PLAN

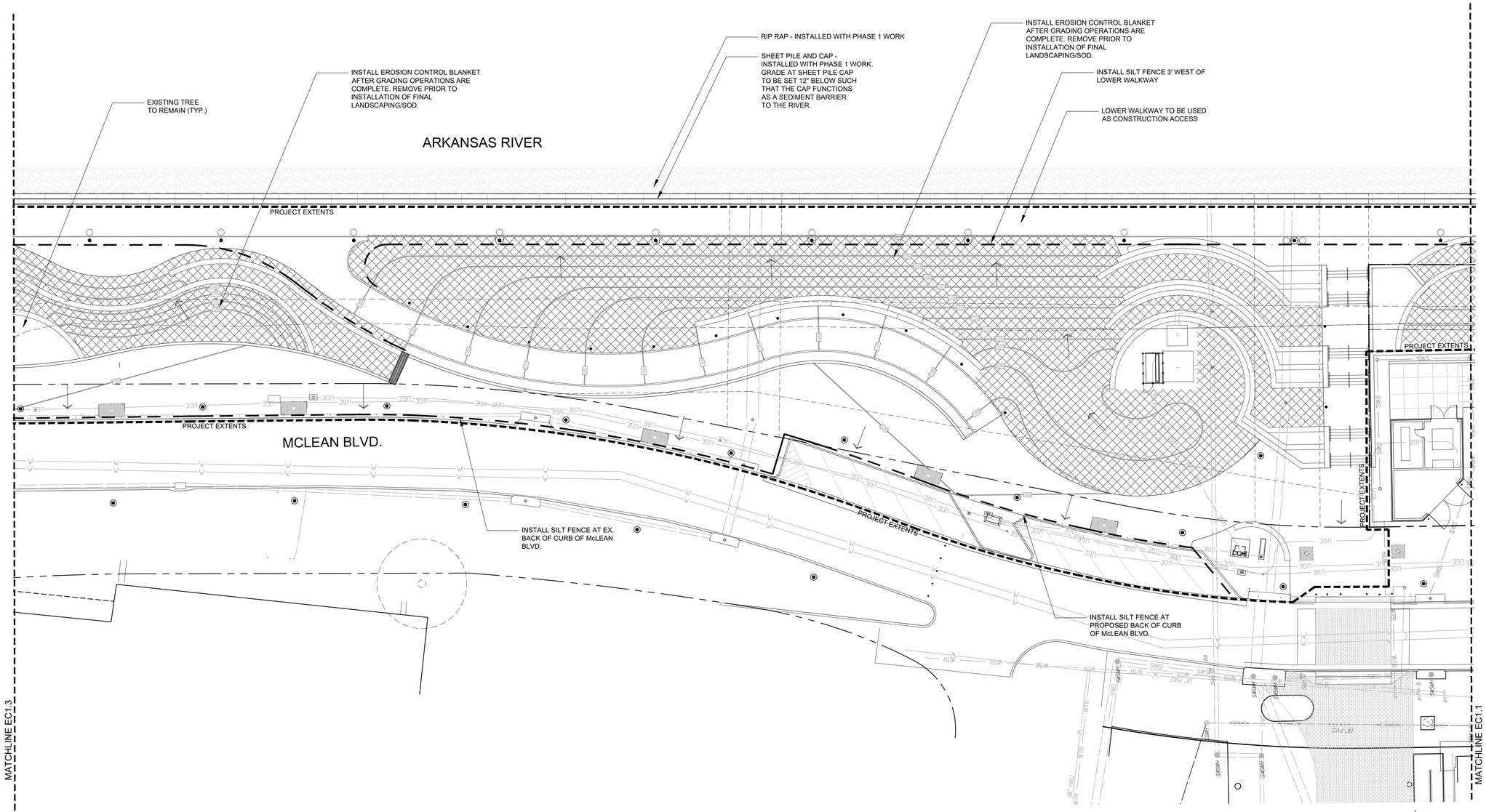
SHEET NUMBER: **EC1.1**

PLAN LEGEND

STABILIZATION AREA - EROSION CONTROL BLANKET

SILT FENCE

SURFACE FLOW DIRECTION



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JEFFREY ALAN BEST LICENSED 2014879 KANSAS LANDSCAPE ARCHITECT

02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

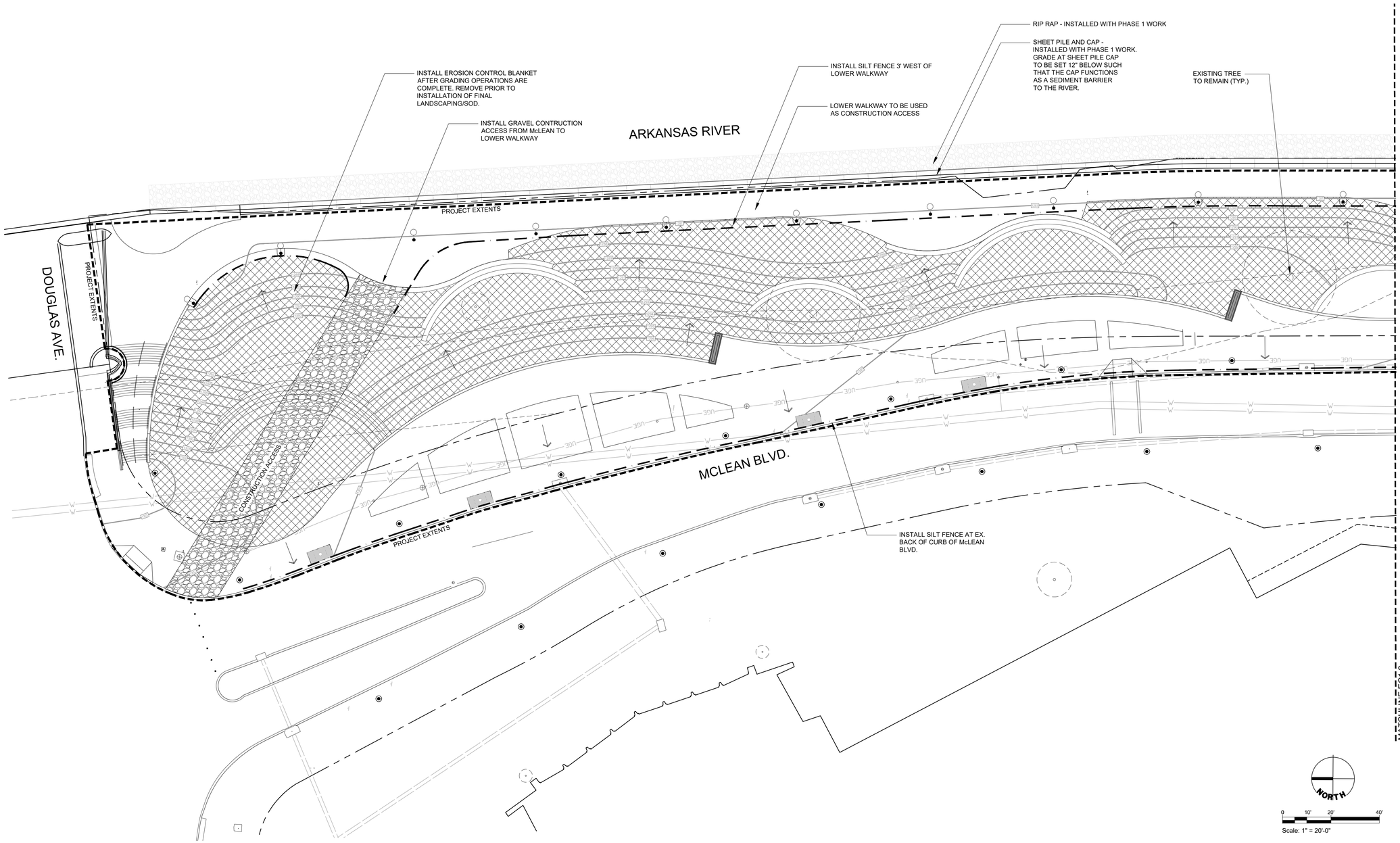
PROJECT NUMBER: 24103

SHEET TITLE: EROSION CONTROL PLAN

SHEET NUMBER: EC1.2

PLAN LEGEND

- STABILIZATION AREA - EROSION CONTROL BLANKET
- SILT FENCE
- SURFACE FLOW DIRECTION



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JEFFREY ALAN BEST LICENSED LANDSCAPE ARCHITECT 1414679 KANSAS

02.28.25

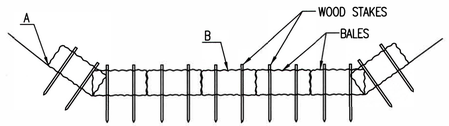
CONTACT:	J. BEST
DRAWN:	JAB
CHECKED:	J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: EROSION CONTROL PLAN

SHEET NUMBER: EC1.3

NOTE: POINT A MUST BE HIGHER THAN POINT B
SO THAT WATER FLOWS OVER THE BALES AND
NOT AROUND THEM.



STRAW BALE DITCH CHECKS

MATERIAL SPECIFICATION:

BALE DITCH CHECKS MAY BE CONSTRUCTED OF WHEAT STRAW, OAT STRAW, PRAIRIE HAY, OR BROMEGRASS HAY THAT IS FREE OF WEEDS DECLARED NOXIOUS BY THE KANSAS STATE BOARD OF AGRICULTURE.
THE STAKES USED TO ANCHOR THE BALES SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
OPTIONAL: THE DOWNSTREAM SCOUR APRON SHOULD BE CONSTRUCTED OF A DOUBLE-NETTED STRAW EROSION-CONTROL BLANKET AT LEAST 6' WIDE.
OPTIONAL: THE METAL LANDSCAPE STAPLES USED TO ANCHOR THE EROSION-CONTROL BLANKET SHOULD BE AT LEAST 8" LONG.

PLACEMENT:

BALE DITCH CHECKS SHOULD BE PLACED PERPENDICULAR TO THE FLOWLINE OF THE DITCH.
THE DITCH CHECK SHOULD EXTEND FAR ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE CHECK IS HIGHER THAN THE TOP OF THE LOWEST CENTER BALE. THIS PREVENTS WATER FROM FLOWING AROUND THE CHECK.
STRAW BALE DITCH CHECKS SHOULD NOT BE PLACED IN DITCHES WHERE HIGH FLOWS ARE EXPECTED. ROCK CHECKS SHOULD BE USED INSTEAD.
BALES SHOULD BE PLACED IN DITCHES WITH SLOPES OF 6% OR LESS. FOR SLOPES STEEPER THAN 6%, ROCK CHECKS SHOULD BE USED.
THE FOLLOWING TABLE PROVIDES CHECK SPACING FOR A GIVEN DITCH GRADE:

DITCH GRADE (%)	CHECK SPACING (FEET)
0.5	200
1.0	200
2.0	100
3.0	65
4.0	50
5.0	40
6.0	30

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH PERPENDICULAR TO THE DITCH FLOWLINE THAT IS 4" DEEP AND A BALE'S WIDTH WIDE. EXTEND THE TRENCH IN A STRAIGHT LINE ALONG THE ENTIRE LENGTH OF THE PROPOSED DITCH CHECK. PLACE THE SOIL ON THE UPSTREAM SIDE OF THE TRENCH-IT WILL BE USED LATER.
OPTIONAL: ON THE DOWNSTREAM SIDE OF THE TRENCH, ROLL OUT A LENGTH OF EROSION-CONTROL BLANKET (SCOUR APRON) EQUAL TO THE LENGTH OF THE TRENCH. PLACE THE UPSTREAM EDGE OF THE EROSION-CONTROL BLANKET ALONG THE BOTTOM UPSTREAM EDGE OF THE TRENCH. THE EROSION CONTROL BLANKET SHOULD BE ANCHORED IN THE TRENCH WITH ONE ROW OF 8" LANDSCAPE STAPLES PLACED ON 18" CENTERS. THE REMAINDER OF THE EROSION-CONTROL BLANKET (THE PORTION THAT IS NOT LYING IN THE TRENCH) WILL SERVE AS THE DOWNSTREAM SCOUR APRON. THIS SECTION OF THE BLANKET SHOULD BE ANCHORED TO THE GROUND WITH 8" LANDSCAPE STAPLES PLACED AROUND THE PERIMETER OF THE BLANKET ON 18" CENTERS. THE REMAINDER OF THE BLANKET SHOULD BE ANCHORED USING TWO EVENLY SPACED ROWS OF 8" LANDSCAPE STAPLES ON 18" CENTERS PLACED PERPENDICULAR TO THE FLOWLINE OF THE DITCH.
PLACE THE BALES IN THE TRENCH, MAKING SURE THAT THEY ARE BUTTED TIGHTLY. TWO STAKES SHOULD BE DRIVEN THROUGH EACH BALE ALONG THE CENTERLINE OF THE DITCH CHECK, APPROXIMATELY 6" TO 8" IN FROM THE BALE ENDS. STAKES SHOULD BE DRIVEN AT LEAST 12" INTO THE GROUND.
ONCE ALL THE BALES HAVE BEEN INSTALLED AND ANCHORED, PLACE THE EXCAVATED SOIL AGAINST THE UPSTREAM SIDE OF THE CHECK AND COMPACT IT. THE COMPACTED SOIL SHOULD BE NO MORE THAN 3" TO 4" DEEP AND EXTEND UPSTREAM NO MORE THAN 24".

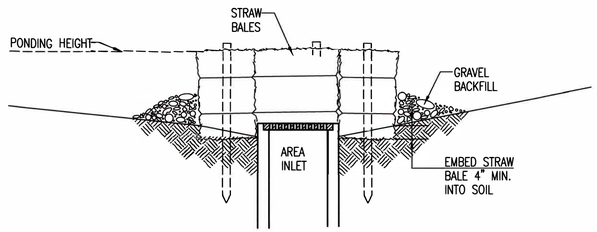
LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

DO NOT PLACE A BALE DITCH CHECK DIRECTLY IN FRONT OF A CULVERT OUTLET. IT WILL NOT STAND UP TO THE CONCENTRATED FLOW.
DO NOT PLACE BALE DITCH CHECKS IN DITCHES THAT WILL LIKELY EXPERIENCE HIGH FLOWS. THEY WILL NOT STAND UP TO CONCENTRATED FLOW.
FOLLOW PRESCRIBED DITCH-CHECK SPACING GUIDELINES. IF SPACING GUIDELINES ARE EXCEEDED, EROSION WILL OCCUR BETWEEN THE DITCH CHECKS.
DO NOT ALLOW WATER TO FLOW AROUND THE DITCH CHECK. MAKE SURE THAT THE DITCH CHECK IS LONG ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE CHECK IS HIGHER THAN THE TOP OF THE LOWEST CENTER BALE.
DO NOT PLACE BALE DITCH CHECKS IN CHANNELS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE CHECK IS NOT ANCHORED SUFFICIENTLY, IT WILL WASH OUT.
BALE DITCH CHECKS MUST BE DUG INTO THE GROUND. BALES AT GROUND LEVEL DO NOT WORK BECAUSE THEY ALLOW WATER TO FLOW UNDER THE CHECK.

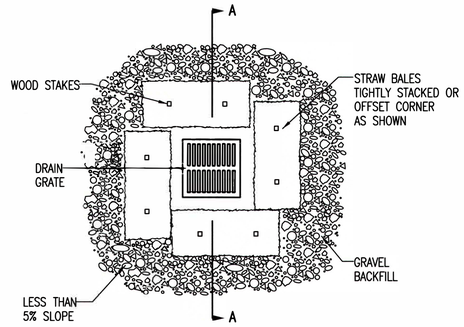
INSPECTION AND MAINTENANCE:

BALE DITCH CHECKS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

DOES WATER FLOW AROUND THE DITCH CHECK?
DOES WATER FLOW UNDER THE DITCH CHECK?
DOES WATER FLOW THROUGH SPACES BETWEEN ABUTTING BALES?
ARE ANY BALES AND/OR SCOUR APRONS (OPTIONAL) DISLODGED?
ARE BALES DECOMPOSING DUE TO AGE AND/OR WATER DAMAGE?
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE DITCH CHECK?



SECTION A-A



STRAW BALE BARRIERS FOR AREA INLETS
(INLET PROTECTION)

MATERIAL SPECIFICATION:

BALE AREA INLET BARRIERS SHOULD BE CONSTRUCTED OF WHEAT STRAW, OAT STRAW, PRAIRIE HAY, OR BROMEGRASS HAY THAT IS FREE OF WEEDS DECLARED NOXIOUS BY THE KANSAS STATE BOARD OF AGRICULTURE.
THE STAKES USED TO ANCHOR THE BALES SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
TWINE SHOULD BE USED TO BIND BALES. THE USE OF WIRE BINDING IS PROHIBITED BECAUSE IT DOES NOT BIODEGRADE READILY.

PLACEMENT:

BALE AREA INLET BARRIERS SHOULD BE PLACED DIRECTLY AROUND THE PERIMETER OF A DROP INLET. WHEN A BALE AREA INLET BARRIER IS LOCATED NEAR AN INLET THAT HAS STEEP APPROACH SLOPES, THE STORAGE CAPACITY BEHIND THE BARRIER IS DRASTICALLY REDUCED. TIMELY REMOVAL OF SEDIMENT MUST OCCUR FOR A BARRIER TO OPERATE PROPERLY IN THIS LOCATION.

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH AROUND THE PERIMETER OF THE AREA INLET THAT IS AT LEAST 4" DEEP BY A BALE'S WIDTH WIDE.
PLACE THE BALES IN THE TRENCH, MAKING SURE THAT THEY ARE BUTTED TIGHTLY. SOME BALES MAY NEED TO BE SHORTENED TO FIT INTO THE TRENCH AROUND THE AREA INLET. TWO STAKES SHOULD BE DRIVEN THROUGH EACH BALE, APPROXIMATELY 6" TO 8" IN FROM THE BALE ENDS.
STAKES SHOULD BE DRIVEN AT LEAST 12" INTO THE GROUND.
ONCE ALL THE BALES HAVE BEEN INSTALLED AND ANCHORED, PLACE THE EXCAVATED SOIL AGAINST THE RECEIVING SIDE OF THE BARRIER AND COMPACT IT. THE COMPACTED SOIL SHOULD BE NO MORE THAN 3" TO 4" DEEP.
NOTE: WHEN A BALE AREA INLET BARRIER IS PLACED IN A SHALLOW MEDIAN DITCH, MAKE SURE THAT THE TOP OF THE BARRIER IS NOT HIGHER THAN THE PAVED ROAD. IN THIS CONFIGURATION, WATER MAY SPREAD ONTO THE ROADWAY CAUSING A HAZARDOUS CONDITION.

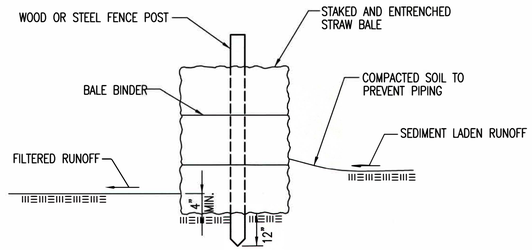
LIST OF COMMON PLACEMENT INSTALLATION MISTAKES TO AVOID:

BALES SHOULD BE PLACED DIRECTLY AGAINST THE PERIMETER OF THE AREA INLET. THIS ALLOWS OVERTOPPING WATER TO FLOW DIRECTLY INTO THE INLET INSTEAD OF ONTO NEARBY SOIL CAUSING SCOUR.
BALE AREA INLET BARRIERS MUST BE DUG INTO THE GROUND. BALES AT GROUND LEVEL DO NOT WORK BECAUSE THEY ALLOW WATER TO FLOW UNDER THE BARRIER.

INSPECTION AND MAINTENANCE:

BALE AREA INLET BARRIERS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

DOES WATER FLOW UNDER THE AREA INLET BARRIER?
DOES WATER FLOW THROUGH SPACES BETWEEN ABUTTING BALES?
ARE ANY BALES DISLODGED?
ARE BALES DECOMPOSING DUE TO AGE AND/OR WATER DAMAGE?
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE AREA INLET BARRIER?



STRAW BALE BARRIERS

MATERIAL SPECIFICATION:

BALE SLOPE BARRIERS MAY BE CONSTRUCTED OF WHEAT STRAW, OAT STRAW, PRAIRIE HAY, OR BROMEGRASS HAY THAT IS FREE OF WEEDS DECLARED NOXIOUS BY THE KANSAS STATE BOARD OF AGRICULTURE.
THE STAKES USED TO ANCHOR THE BALES SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
TWINE SHOULD BE USED TO BIND BALES. THE USE OF WIRE BINDING IS PROHIBITED BECAUSE IT DOES NOT BIODEGRADE READILY.

PLACEMENT:

A SLOPE BARRIER SHOULD BE USED AT THE TOE OF A SLOPE WHEN A DITCH DOES NOT EXIST. THE SLOPE BARRIER SHOULD BE PLACED ON NEARLY LEVEL GROUND 5' TO 10' AWAY FROM THE TOE OF A SLOPE. THE BARRIER IS PLACED AWAY FROM THE TOE OF THE SLOPE TO PROVIDE ADEQUATE STORAGE FOR SETTLING OUT SEDIMENT.
WHEN PRACTICABLE, BALE SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW.
BALE SLOPE BARRIERS CAN ALSO BE PLACED ALONG RIGHT-OF-WAY FENCE LINES TO KEEP SEDIMENT FROM CROSSING ONTO ADJACENT PROPERTY. WHEN PLACED IN THIS MANNER, THE SLOPE BARRIER WILL NOT LIKELY FOLLOW CONTOURS.

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH THE LENGTH OF THE PLANNED SLOPE BARRIER THAT IS 4" DEEP AND A BALE'S WIDTH WIDE. MAKE SURE THAT THE TRENCH IS EXCAVATED ALONG A SINGLE CONTOUR. WHEN PRACTICABLE, SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. PLACE THE SOIL ON THE UPSLOPE SIDE OF THE TRENCH FOR LATER USE.
PLACE THE BALES IN THE TRENCH, MAKING SURE THAT THEY ARE BUTTED TIGHTLY. TWO STAKES SHOULD BE DRIVEN THROUGH EACH BALE ALONG THE CENTERLINE OF THE DITCH CHECK, APPROXIMATELY 6" TO 8" IN FROM THE BALE ENDS. STAKES SHOULD BE DRIVEN AT LEAST 12" INTO THE GROUND.
ONCE ALL THE BALES HAVE BEEN INSTALLED AND ANCHORED, PLACE THE EXCAVATED SOIL AGAINST THE UPSLOPE SIDE OF THE CHECK AND COMPACT IT. THE COMPACTED SOIL SHOULD BE NO MORE THAN 3" TO 4" DEEP.

LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

WHEN PRACTICAL, DO NOT PLACE BALE SLOPE BARRIERS ACROSS CONTOURS. SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. CONCENTRATED FLOW OVER A SLOPE BARRIER CREATES A SCOUR HOLE ON THE DOWNSLOPE SIDE OF THE BARRIER. THE SCOUR HOLE EVENTUALLY UNDERMINES THE BALES AND THE BARRIER FAILS.
DO NOT PLACE BALE SLOPE BARRIERS IN AREAS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE BARRIER IS NOT ANCHORED SUFFICIENTLY, IT WILL WASH OUT.
BALE SLOPE BARRIERS MUST BE DUG INTO THE GROUND. BALES AT GROUND LEVEL DO NOT WORK BECAUSE THEY ALLOW WATER TO FLOW UNDER THE BARRIER.

INSPECTION AND MAINTENANCE:

BALE SLOPE BARRIERS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

ARE THERE ANY POINTS ALONG THE SLOPE BARRIER WHERE WATER IS CONCENTRATING?
DOES WATER FLOW UNDER THE SLOPE BARRIER?
DOES WATER FLOW THROUGH SPACES BETWEEN ABUTTING BALES?
ARE ANY BALES DISLODGED?
ARE BALES DECOMPOSING DUE TO AGE AND/OR WATER DAMAGE?
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE SLOPE BARRIER?

REVISION DATE: MAY 2013

GARY L. JANZEN LICENSED 16284 KANSAS PROFESSIONAL ENGINEER
05/13/13

CITY OF WICHITA
PUBLIC WORKS & UTILITIES ENGINEERING DIVISION

STRAW BALE DITCH CHECK AND BARRIER DETAILS

CITY ENGINEER
GARY JANZEN, P.E.

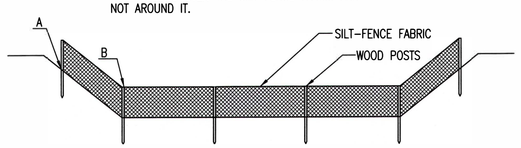
PROJECT NUMBER	OCA NUMBER	DATE

CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202-1620
(316) 268-4501

SHEET
BMP1.1

SW-503

NOTE: POINT A MUST BE HIGHER THAN POINT B SO THAT WATER FLOWS OVER THE SILT FENCE FABRIC AND NOT AROUND IT.



ELEVATION

SILT FENCE DITCH CHECKS
(STREAM PROTECTION)

MATERIAL SPECIFICATION:

SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION.
THE POSTS USED TO SUPPORT THE SILT FENCE FABRIC SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
SILT FENCE FABRIC SHOULD BE ATTACHED TO THE WOODEN POSTS WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

PLACEMENT:

PLACE SILT FENCE IN DITCHES WHERE IT IS UNLIKELY THAT IT WILL BE OVERTOPPED.
WATER SHOULD FLOW THROUGH A SILT FENCE DITCH CHECK, NOT OVER IT. SILT FENCE DITCH CHECKS OFTEN FAIL WHEN OVERTOPPED.
SILT FENCE DITCH CHECKS SHOULD BE PLACED PERPENDICULAR TO THE FLOWLINE OF THE DITCH.
THE SILT FENCE SHOULD EXTEND FAR ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE FENCE IS HIGHER THAN THE TOP OF THE LOW POINT OF THE FENCE. THIS PREVENTS WATER FROM FLOWING AROUND THE CHECK.
SILT FENCE DITCH CHECKS SHOULD NOT BE PLACED IN DITCHES WHERE HIGH FLOWS ARE EXPECTED. ROCK CHECKS SHOULD BE USED INSTEAD.
SILT FENCE SHOULD BE PLACED IN DITCHES WITH SLOPES OF 6% OR LESS. FOR SLOPES STEEPER THAN 6%, ROCK CHECKS SHOULD BE USED.

THE FOLLOWING TABLE PROVIDES CHECK SPACING FOR A GIVEN DITCH GRADE:

DITCH CHECK DITCH GRADE (%)	SPACING CHECK SPACING (FEET)
0.5	200
1.0	200
2.0	100
3.0	65
4.0	50
5.0	40
6.0	30

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH PERPENDICULAR TO THE DITCH FLOWLINE THAT IS AT LEAST 12" DEEP BY 6" WIDE.
EXTEND THE TRENCH IN A STRAIGHT LINE ALONG THE ENTIRE LENGTH OF THE PROPOSED DITCH CHECK.
PLACE THE SOIL ON THE UPSTREAM SIDE OF THE TRENCH FOR LATER USE.
ROLL OUT A CONTINUOUS LENGTH OF SILT FENCE FABRIC ON THE DOWNSTREAM SIDE OF THE TRENCH.
PLACE THE EDGE OF THE FABRIC IN THE TRENCH STARTING AT THE TOP UPSTREAM EDGE OF THE TRENCH.
LINE TWO SIDES OF THE TRENCH WITH THE FABRIC AS SHOWN ON DETAIL. BACKFILL OVER THE FABRIC IN THE TRENCH WITH THE EXCAVATED SOIL AND COMPACT. AFTER FILLING THE TRENCH, APPROXIMATELY 24" TO 36" OF SILT FENCE FABRIC SHOULD REMAIN EXPOSED.
LAY THE EXPOSED SILT FENCE ON THE UPSTREAM SIDE OF THE TRENCH TO CLEAR AN AREA FOR DRIVING IN THE POSTS. JUST DOWNSTREAM OF THE TRENCH, DRIVE POSTS INTO THE GROUND TO A DEPTH OF AT LEAST 24". PLACE POSTS NO MORE THAN 4' APART.
ATTACH THE SILT FENCE TO THE ANCHORED POST WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

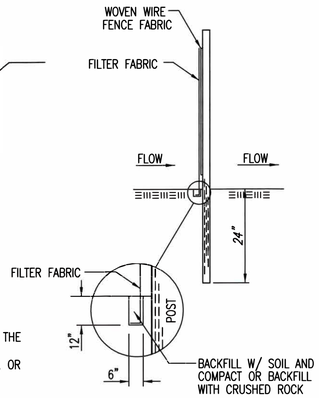
LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

WATER SHOULD FLOW THROUGH A SILT FENCE DITCH CHECK–NOT OVER IT. PLACE SILT FENCE IN DITCHES WHERE IT IS UNLIKELY THAT IT WILL BE OVERTOPPED. SILT FENCE INSTALLATIONS QUICKLY DETERIORATE WHEN WATER OVERTOPS THEM.
DO NOT PLACE SILT FENCE POSTS ON THE UPSTREAM SIDE OF THE SILT FENCE FABRIC. IN THIS CONFIGURATION, THE FORCE OF THE WATER IS NOT RESTRICTED BY THE POSTS, BUT ONLY BY THE STAPLES (WIRE, ZIP TIES, NAILS, ETC.). THE SILT FENCE WILL RIP AND FAIL.
DO NOT PLACE A SILT FENCE DITCH CHECK DIRECTLY IN FRONT OF A CULVERT OUTLET. IT WILL NOT STAND UP TO THE CONCENTRATED FLOW.
DO NOT PLACE SILT FENCE DITCH CHECKS IN DITCHES THAT WILL LIKELY EXPERIENCE HIGH FLOWS. THEY WILL NOT STAND UP TO CONCENTRATED FLOW.
FOLLOW PRESCRIBED DITCH CHECK SPACING GUIDELINES. IF SPACING GUIDELINES ARE EXCEEDED, EROSION WILL OCCUR BETWEEN THE DITCH CHECKS.
DO NOT ALLOW WATER TO FLOW AROUND THE DITCH CHECK. MAKE SURE THAT THE DITCH CHECK IS LONG ENOUGH SO THAT THE GROUND LEVEL AT THE ENDS OF THE FENCE IS HIGHER THAN THE LOW POINT ON THE TOP OF THE FENCE.
DO NOT PLACE SILT FENCE DITCH CHECKS IN CHANNELS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE CHECK IS NOT ANCHORED SUFFICIENTLY, IT WILL WASH OUT.

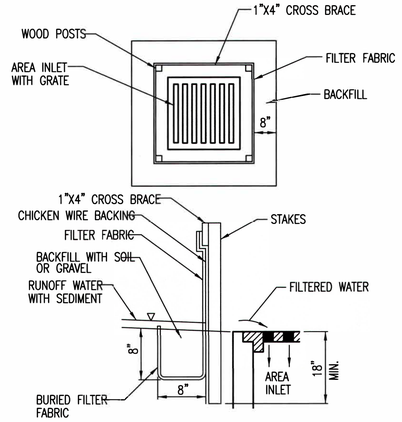
INSPECTION AND MAINTENANCE:

SILT FENCE DITCH CHECKS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

DOES WATER FLOW AROUND THE DITCH CHECK?
DOES WATER FLOW UNDER THE DITCH CHECK?
DOES THE SILT FENCE SAG EXCESSIVELY?
HAS THE SILT FENCE TORN OR BECOME DETACHED FROM THE POSTS?
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE DITCH CHECK?



ANCHOR TRENCH DETAIL



SILT FENCE BARRIERS FOR AREA INLETS
(INLET PROTECTION)

MATERIAL SPECIFICATION:

SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION.
THE WIRE OR POLYMERIC MESH BACKING USED TO HELP SUPPORT THE SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION.
THE POSTS USED TO SUPPORT THE SILT FENCE FABRIC SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
THE MATERIAL USED TO FRAME THE TOPS OF THE POSTS SHOULD BE 1" BY 4" BOARDS.
SILT FENCE FABRIC AND SUPPORT BACKING SHOULD BE ATTACHED TO THE WOODEN POSTS AND FRAME WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

PLACEMENT:

PLACE A SILT FENCE DROP INLET BARRIER IN A LOCATION WHERE IT IS UNLIKELY TO BE OVERTOPPED.
WATER SHOULD FLOW THROUGH SILT FENCE, NOT OVER IT. SILT FENCE BARRIERS FOR AREA INLETS OFTEN FAIL WHEN REPEATEDLY OVERTOPPED.
WHEN USED AS A BARRIER FOR AREA INLETS, SILT FENCE FABRIC AND POSTS MUST BE SUPPORTED AT THE TOP BY A WOODEN FRAME.
WHEN A SILT FENCE BARRIER FOR AREA INLETS IS LOCATED NEAR AN INLET THAT HAS STEEP APPROACH SLOPES, THE STORAGE CAPACITY BEHIND THE BARRIER IS DRASTICALLY REDUCED. TIMELY REMOVAL OF SEDIMENT MUST OCCUR FOR A BARRIER TO OPERATE PROPERLY IN THIS LOCATION.

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH AROUND THE PERIMETER OF THE AREA INLET THAT IS AT LEAST 8" DEEP BY 8" WIDE.
DRIVE POSTS TO A DEPTH OF AT LEAST 18" AROUND THE PERIMETER OF THE AREA INLET.
THE DISTANCE BETWEEN POSTS SHOULD BE 4' OR LESS. IF THE DISTANCE BETWEEN TWO ADJACENT CORNER POSTS IS MORE THAN 4', ADD ANOTHER POST(S) BETWEEN THEM.
CONNECT THE TOPS OF ALL THE POSTS WITH A WOODEN FRAME MADE OF 1" BY 4" BOARDS. USE NAILS OR SCREWS FOR FASTENING.
ATTACH THE WIRE OR POLYMERIC–MESH BACKING TO THE OUTSIDE OF THE POST/FRAME STRUCTURE WITH STAPLES, WIRE, ZIP TIES, OR NAILS.
ROLL OUT A CONTINUOUS LENGTH OF SILT FENCE FABRIC LONG ENOUGH TO WRAP AROUND THE PERIMETER OF THE AREA INLET. ADD MORE LENGTH FOR OVERLAPPING THE FABRIC JOINT. PLACE THE EDGE OF THE FABRIC IN THE TRENCH, STARTING AT THE OUTSIDE EDGE OF THE TRENCH. LINE ALL THREE SIDES OF THE TRENCH WITH THE FABRIC. BACKFILL OVER THE FABRIC IN THE TRENCH WITH THE EXCAVATED SOIL AND COMPACT. AFTER FILLING THE TRENCH, APPROXIMATELY 24" TO 36" OF SILT FENCE FABRIC SHOULD REMAIN EXPOSED.
ATTACH THE SILT FENCE TO THE OUTSIDE OF THE POST/FRAME STRUCTURE WITH STAPLES, WIRE, ZIP TIES, OR NAILS. THE JOINT SHOULD BE OVERLAPPED TO THE NEXT POST.

NOTE: WHEN A SILT FENCE BARRIER FOR AREA INLET IS PLACED IN A SHALLOW MEDIAN DITCH, MAKE SURE THAT THE TOP OF THE BARRIER IS NOT HIGHER THAN THE PAVED ROAD. IN THIS CONFIGURATION, WATER MAY SPREAD ONTO THE ROADWAY CAUSING A HAZARDOUS CONDITION.

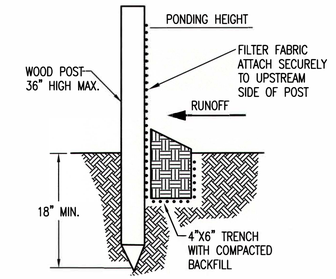
LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

WATER SHOULD FLOW THROUGH A SILT FENCE BARRIER FOR AREA INLET–NOT OVER IT. PLACE A SILT FENCE BARRIER FOR AREA INLET IN A LOCATION WHERE IT IS UNLIKELY TO BE OVERTOPPED. SILT FENCE BARRIER FOR AREA INLETS OFTEN FAIL WHEN REPEATEDLY OVERTOPPED.
DO NOT PLACE POSTS ON THE OUTSIDE OF THE SILT FENCE BARRIER FOR AREA INLET. IN THIS CONFIGURATION, THE FORCE OF THE WATER IS NOT RESISTED BY THE POSTS, BUT ONLY BY THE STAPLES (WIRE, ZIP TIES, NAILS, ETC.). THE SILT FENCE WILL RIP AND FAIL.
DO NOT INSTALL SILT FENCE BARRIER FOR AREA INLETS WITHOUT FRAMING THE TOP OF THE POSTS. THE CORNER POSTS AROUND AREA INLETS ARE STRESSED IN TWO DIRECTIONS WHEREAS A NORMAL SILT FENCE IS ONLY STRESSED IN ONE DIRECTION. THIS ADDED STRESS REQUIRES MORE SUPPORT.

INSPECTION AND MAINTENANCE:

SILT FENCE BARRIER FOR AREA INLETS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

DOES WATER FLOW UNDER THE SILT FENCE?
DOES THE SILT FENCE SAG EXCESSIVELY?
HAS THE SILT FENCE TORN OR BECOME DETACHED FROM THE POSTS?
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE AREA INLET BARRIER?



SILT FENCE BARRIERS

MATERIAL SPECIFICATION:

SILT FENCE FABRIC SHOULD CONFORM TO THE AASHTO M288 96 SILT FENCE SPECIFICATION.
THE POSTS USED TO SUPPORT THE SILT FENCE FABRIC SHOULD BE A HARDWOOD MATERIAL WITH THE FOLLOWING MINIMUM DIMENSIONS: 2" SQUARE (NOMINAL) BY 4' LONG.
SILT FENCE FABRIC SHOULD BE ATTACHED TO THE WOODEN POSTS WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

PLACEMENT:

A SLOPE BARRIER SHOULD BE USED AT THE TOE OF A SLOPE WHEN A DITCH DOES NOT EXIST. THE SLOPE BARRIER SHOULD BE PLACED ON NEARLY LEVEL GROUND 5' TO 10' AWAY FROM THE TOE OF A SLOPE. THE BARRIER IS PLACED AWAY FROM THE TOE OF THE SLOPE TO PROVIDE ADEQUATE STORAGE FOR SETTLING OUT SEDIMENT.
WHEN PRACTICABLE, SILT FENCE SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW.
SILT FENCE SLOPE BARRIERS CAN ALSO BE PLACED ALONG RIGHT–OF–WAY FENCE LINES TO KEEP SEDIMENT FROM CROSSING ONTO ADJACENT PROPERTY. WHEN PLACED IN THIS MANNER, THE SLOPE BARRIER WILL NOT LIKELY FOLLOW CONTOURS.

PROPER INSTALLATION METHOD:

EXCAVATE A TRENCH THE LENGTH OF THE PLANNED SLOPE BARRIER THAT IS 6" DEEP BY 4" WIDE.
MAKE SURE THAT THE TRENCH IS EXCAVATED ALONG A SINGLE CONTOUR. WHEN PRACTICABLE, SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. PLACE THE SOIL ON THE UPSLOPE SIDE OF THE TRENCH FOR LATER USE.
ROLL OUT A CONTINUOUS LENGTH OF SILT FENCE FABRIC ON THE DOWNSLOPE SIDE OF THE TRENCH.
PLACE THE EDGE OF THE FABRIC IN THE TRENCH STARTING AT THE TOP UPSLOPE EDGE. LINE ALL THREE SIDES OF THE TRENCH WITH THE FABRIC. BACKFILL OVER THE FABRIC IN THE TRENCH WITH THE EXCAVATED SOIL AND COMPACT. AFTER FILLING THE TRENCH, APPROXIMATELY 24" TO 36" OF SILT–FENCE FABRIC SHOULD REMAIN EXPOSED.
LAY THE EXPOSED SILT FENCE UPSLOPE OF THE TRENCH TO CLEAR AN AREA FOR DRIVING IN THE POSTS. JUST DOWNSLOPE OF THE TRENCH, DRIVE POSTS INTO THE GROUND TO A DEPTH OF AT LEAST 18".
PLACE POSTS NO MORE THAN 4' APART.
ATTACH THE SILT FENCE TO THE ANCHORED POST WITH STAPLES, WIRE, ZIP TIES, OR NAILS.

LIST OF COMMON PLACEMENT/INSTALLATION MISTAKES TO AVOID:

WHEN PRACTICABLE, DO NOT PLACE SILT FENCE SLOPE BARRIERS ACROSS CONTOURS. SLOPE BARRIERS SHOULD BE PLACED ALONG CONTOURS TO AVOID A CONCENTRATION OF FLOW. WHEN THE FLOW CONCENTRATES, IT OVERTOPS THE BARRIER AND THE SILT FENCE SLOPE BARRIER QUICKLY DETERIORATES.
DO NOT PLACE SILT–FENCE POSTS ON THE UPSLOPE SIDE OF THE SILT FENCE FABRIC. IN THIS CONFIGURATION, THE FORCE OF THE WATER IS NOT RESTRICTED BY THE POSTS, BUT ONLY BY THE STAPLES (WIRE, ZIP TIES, NAILS, ETC.). THE SILT FENCE WILL RIP AND FAIL.
DO NOT PLACE SILT FENCE SLOPE BARRIERS IN AREAS WITH SHALLOW SOILS UNDERLAIN BY ROCK. IF THE BARRIER IS NOT SUFFICIENTLY ANCHORED, IT WILL WASH OUT.
SILT FENCE SLOPE BARRIERS MUST BE DUG INTO THE GROUND–SILT FENCE AT GROUND LEVEL DOES NOT WORK BECAUSE WATER WILL FLOW UNDERNEATH.

INSPECTION AND MAINTENANCE:

SILT FENCE SLOPE BARRIERS SHOULD BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 1/2" OR MORE. THE FOLLOWING IS A LIST OF QUESTIONS THAT SHOULD BE ADDRESSED DURING EACH INSPECTION:

ARE THERE ANY POINTS ALONG THE SLOPE BARRIER WHERE WATER IS CONCENTRATING?
DOES WATER FLOW UNDER THE SLOPE BARRIER?
DO THE SILT FENCES SAG EXCESSIVELY?
HAS THE SILT FENCE TORN OR BECOME DETACHED FROM THE POSTS?
DOES SEDIMENT NEED TO BE REMOVED FROM BEHIND THE SLOPE BARRIER?

GARY L. JANZEN LICENSED 16294 KANSAS PROFESSIONAL ENGINEER
05/31/13

REVISION DATE: MAY 2013

CITY OF WICHITA
PUBLIC WORKS & UTILITIES ENGINEERING DIVISION

SILT FENCE DITCH CHECK AND BARRIER DETAILS

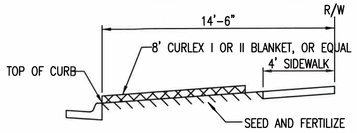
CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER	OCA NUMBER	DATE

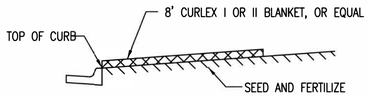
CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202-1620
(316) 268-4501

SHEET
BMP1.2

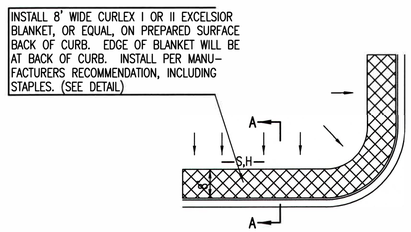
SW–502



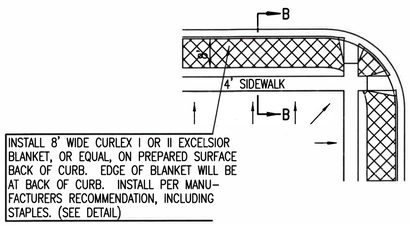
SECTION B–B



SECTION A–A



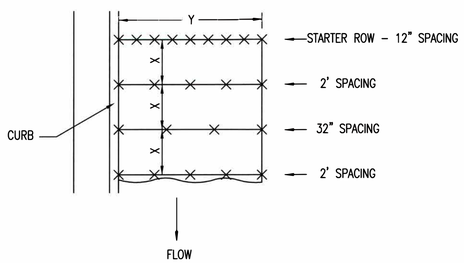
SOUTH STREET

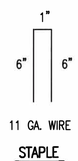


GENERAL NOTES

1. EXCELSIOR MAT TO BE INSTALLED WHEN SOD IS NOT SPECIFIED ON PROJECT.
2. EXCELSIOR BLANKET TO BE INSTALLED OVER SEED AND FERTILIZER, AS SPECIFIED IN THE PROJECT SPECIFICATIONS.
3. AFTER INSTALLATION OF EXCELSIOR BLANKET, AT LOCATIONS WHERE CONCENTRATED FLOW CARRIES SEDIMENT OVER THE CURB AND INTO THE GUTTER, SUPPLEMENTAL EROSION CONTROL DEVICES WILL BE INSTALLED BY THE CONTRACTOR AS NEEDED, TO FIX THE PROBLEM.

BACK OF CURB PROTECTION DETAIL



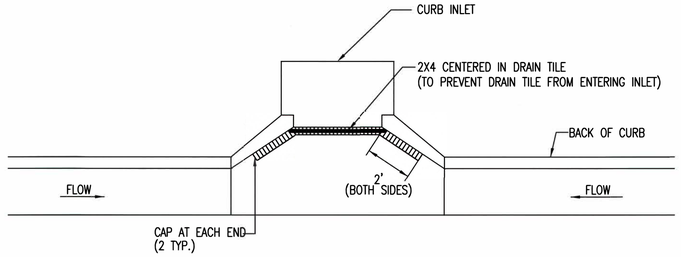


STAPLE

STAPLE PATTERN

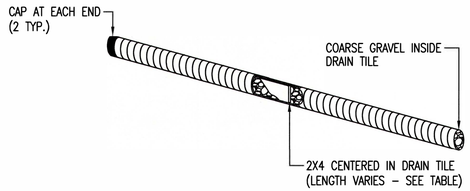
NOTES: USE 6" SEAM OVERLAP
(X & Y = RECOMMENDED BY MANUFACTURE)

DETAILS FOR APPROVED EROSION CONTROL MAT

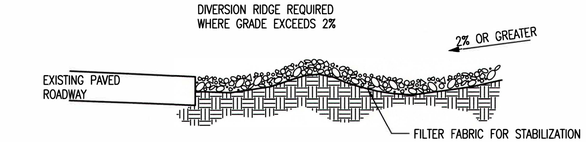


NOTE:
PLACE 4" PERFORATED PVC PIPE, FILLED WITH 1/2"–1" DIA. GRAVEL, IN FRONT OF CURB INLET AS SHOWN.

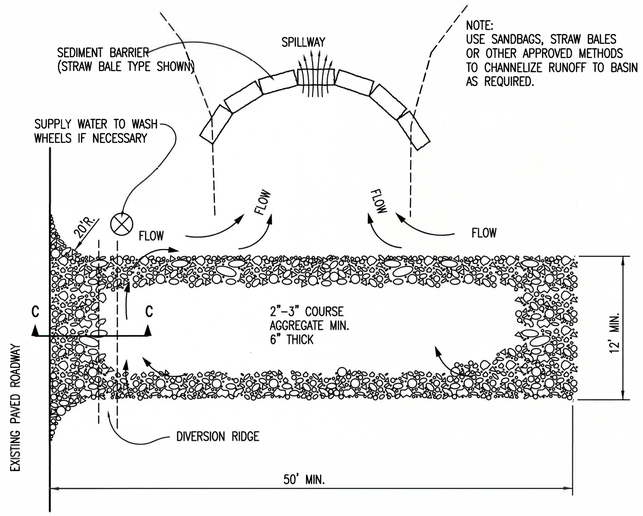
2X4 LENGTH	INLET TYPE	INLET OPENING
5'–6"	1–A	5'–0"
10'–6"	1–A	10'–0"
15'–6"	1–A	15'–0"



CURB INLET PROTECTION
4" PERFORATED PIPE W/ GRAVEL



SECTION C–C



STABILIZED CONSTRUCTION ENTRANCE

GENERAL NOTES

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN, AS SHOWN ABOVE.
4. DRIVE ENTRANCES ONTO RESIDENTIAL LOTS WILL NOT BE REQUIRED TO HAVE THE SEDIMENT BARRIER SHOWN, BUT WHEEL WASHING MAY BE REQUIRED IF STABILIZED ENTRANCE IS NOT SUFFICIENT TO KEEP MUD FROM BEING TRACKED ONTO ADJACENT STREET. ENTRANCE SHALL EXTEND FROM BACK OF CURB TO DWELLING.

REVISION DATE: MAY 2013

GARY L. JANZEN LICENSED PROFESSIONAL ENGINEER KANSAS 19204
05/31/13

CITY OF WICHITA
PUBLIC WORKS & UTILITIES
ENGINEERING DIVISION

BACK OF CURB PROTECTION, CURB INLET PROTECTION AND CONSTRUCTION ENTRANCE

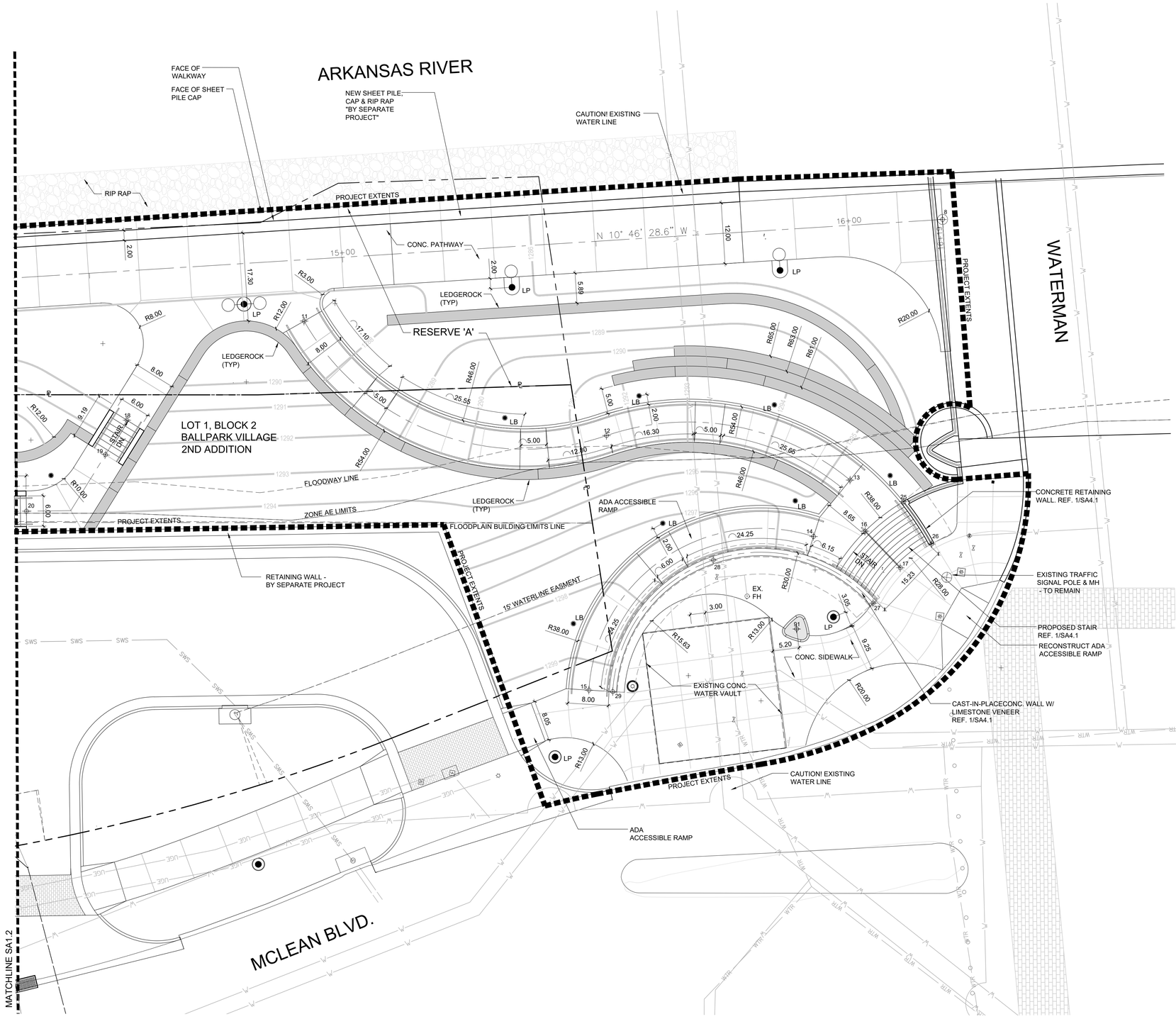
CITY ENGINEER
GARY JANZEN, P.E.

PROJECT NUMBER	OCA NUMBER	DATE

CITY ENGINEER'S OFFICE
CITY HALL - SEVENTH FLOOR
455 NORTH MAIN STREET
WICHITA, KANSAS 67202-1620
(316) 268-4501

SHEET
BMP1.3

SW-501



COORDINATES

POINT	DESCRIPTION	NORTHING	EASTING
1	STA. 0+00	N 1685502.5418	E 1647063.4357
2	PC	N 1685086.5328	E 1647136.8649
3	PT	N 1685037.9578	E 1647144.2011
4	INTERSECTION	N 1684977.8890	E 1647164.3279
5	INTERSECTION	N 1684464.7475	E 1647216.2757
6	PC	N 1684199.0246	E 1647249.6873
7	PT	N 1684136.2126	E 1647259.6027
8	STA. 16+19	N 1683902.5874	E 1647304.0619
9	PC	N 1684684.4793	E 1647139.4991
10	STA. 3+8.6	N 1684591.8306	E 1647121.0780
11	BOTTOM OF RAMP	N 1684024.9541	E 1647268.4830
12	PC	N 1683962.9984	E 1647253.5321
13	TOP OF RAMP	N 1683914.2581	E 1647250.8133
14	BOTTOM OF RAMP	N 1683920.0213	E 1647238.8894
15	TOP OF RAMP	N 1683960.1751	E 1647203.3180
16	BOTTOM OF STEP	N 1683910.0567	E 1647241.2103
17	TOP OF STEP	N 1683902.2863	E 1647234.9076
18	BOTTOM OF STEP	N 1684057.1713	E 1647244.7473
19	TOP OF STEP	N 1684060.5181	E 1647237.4590
20	BOTTOM OF STEP	N 1684074.6024	E 1647224.4689
21	TOP OF STEP	N 1684082.5457	E 1647223.3623
22	TOP OF STEP	N 1684451.3170	E 1647121.8668
23	TOP OF STEP	N 1685474.8904	E 1646972.5209
24	BOTTOM OF STEP	N 1685477.7069	E 1647021.6599
25	END OF WALL	N 1683903.3109	E 1647247.9138
26	END OF WALL	N 1683896.7459	E 1647240.3301
27	END OF WALL	N 1683906.7215	E 1647227.3087
28	MIDPOINT OF WALL	N 1683939.0473	E 1647231.8138
29	END OF WALL	N 1683955.4812	E 1647203.6148
30	END OF WALL	N 1684432.0396	E 1647195.2380
31	WALL INT.	N 1684439.2705	E 1647201.6404
32	WALL INT.	N 1684453.5905	E 1647199.6073
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36	END OF WALL	N 1684466.8538	E 1647167.1234
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38	END OF WALL	N 1684462.4845	E 1647136.4379
39	END OF WALL	N 1684460.2289	E 1647120.5974
40	END OF WALL	N 1684599.8326	E 1647114.2888
41	MIDPOINT OF WALL	N 1684636.2412	E 1647135.9854
42	PC OF WALL	N 1684678.3119	E 1647130.8478
43	MIDPOINT OF WALL	N 1684769.7134	E 1647111.8665
44	END OF WALL	N 1684815.8086	E 1647119.4827
45	END OF PILASTER	N 1684817.1045	E 1647120.3973
46	END OF PILASTER	N 1684820.8705	E 1647107.9547
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53	END OF PILASTER	N 1685031.5389	E 1647100.0647
54	END OF PILASTER	N 1685034.0881	E 1647087.3170
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56	PT OF WALL	N 1685037.3647	E 1647088.4822
57	MIDPOINT OF WALL	N 1685094.5980	E 1647090.1228
58	PC OF WALL	N 1685149.1472	E 1647072.7238
59	MIDPOINT OF WALL	N 1685193.7413	E 1647057.2737
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68	END OF WALL	N 1685461.5750	E 1647039.8519
69	TREE WELL	N 1685394.4105	E 1646944.4789
70	TREE WELL	N 1685331.5861	E 1646974.9774
71	TREE WELL	N 1685201.0161	E 1647024.8456
72	TREE WELL	N 1685134.9850	E 1647047.8631
73	TREE WELL	N 1684926.3743	E 1647084.2733
74	TREE WELL	N 1684857.0378	E 1647093.8401
75	TREE WELL	N 1684718.0126	E 1647100.0340
76	TREE WELL	N 1684611.9379	E 1647098.5391
77	TREE WELL	N 1684542.4758	E 1647087.9791
78	TREE WELL	N 1684464.0225	E 1647086.9975
79	CONC. BENCH	N 1685367.3948	E 1647066.1961
80	CONC. BENCH	N 1685355.5648	E 1647076.9743
81	CONC. BENCH	N 1685346.6117	E 1647078.9783
82	CONC. BENCH	N 1685161.6295	E 1647106.8433
83	CONC. BENCH	N 1685152.5563	E 1647114.0782
84	CONC. BENCH	N 1685142.7487	E 1647117.1603
85	CONC. BENCH	N 1684935.5962	E 1647141.0554
86	CONC. BENCH	N 1684925.2892	E 1647147.1815
87	CONC. BENCH	N 1684915.7880	E 1647148.2069
88	CONC. BENCH	N 1684353.5020	E 1647220.4944
89	CONC. BENCH	N 1684188.2388	E 1647238.3235
90	CONC. BENCH	N 1684178.7913	E 1647242.9135
91	CONC. BENCH	N 1683921.0486	E 1647220.3818

NORTH

0 5' 10' 20'

Scale: 1" = 10'-0"

PRINTS ISSUED

DATE	PURPOSE	NO.
01.15.25	PERMIT REVIEW	
02.28.25	FOR BID/CONSTRUCTION	

RIVER CORRIDOR IMPROVEMENTS
WEST BANK - RIVERFRONT
STADIUM
WICHITA, KS

LK ARCHITECTURE
345 Riverview, Suite 200, Wichita, KS 67203
T 316.268.0230 F 316.268.0205

JEFFREY ALAN BEST
LICENSED
11-1679
KANSAS
LANDSCAPE ARCHITECT

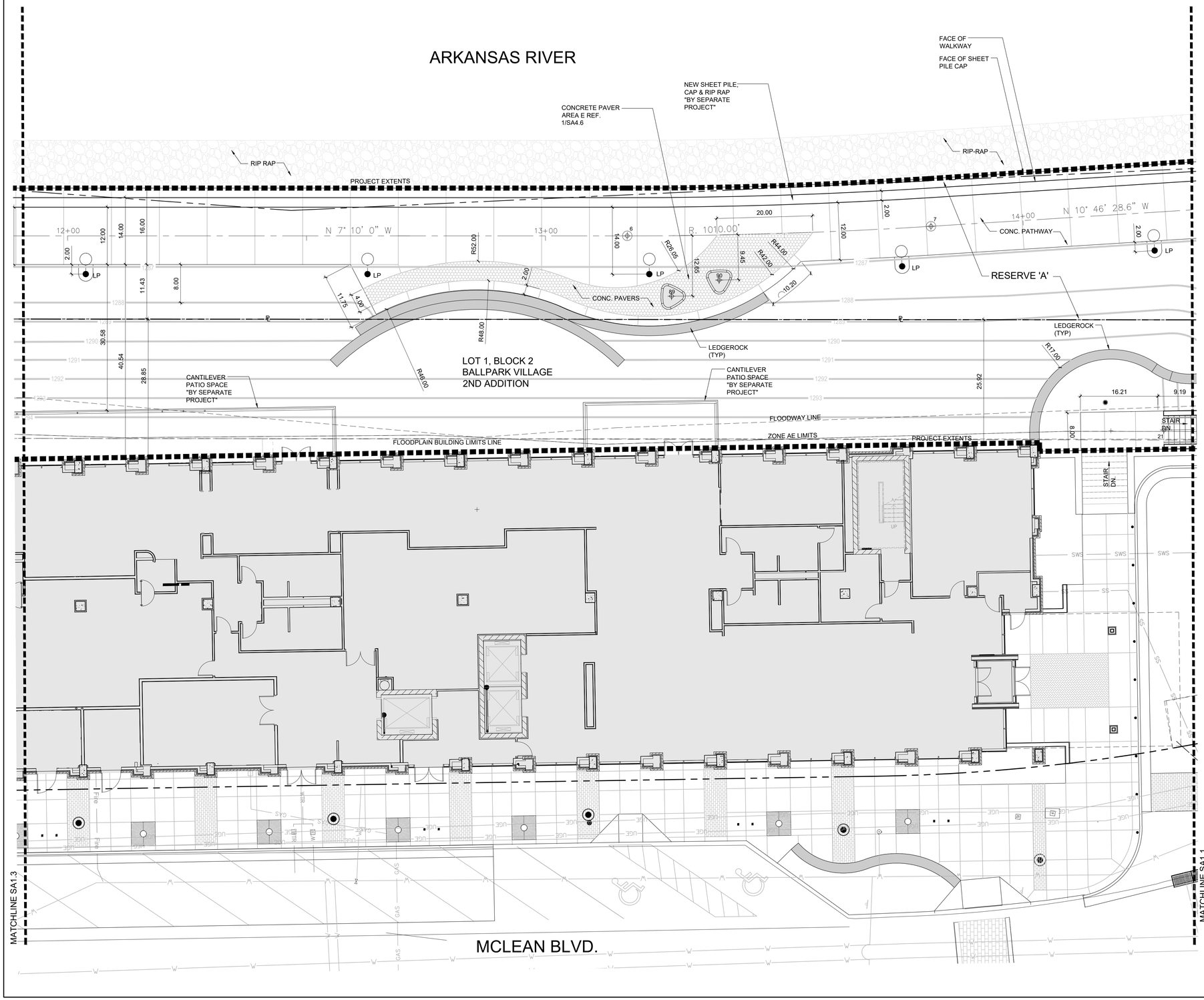
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: SITE LAYOUT PLAN

SHEET NUMBER: SA1.1



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67	END OF WALL	N 1685469.5776	E 1646973.2721
68	END OF WALL	N 1685461.5750	E 1647039.8519
69	TREE WELL	N 1685394.4105	E 1646944.4789
70	TREE WELL	N 1685331.5861	E 1646974.9774
71	TREE WELL	N 1685201.0161	E 1647024.8456
72	TREE WELL	N 1685134.9850	E 1647047.8631
73	TREE WELL	N 1684926.3743	E 1647084.2733
74	TREE WELL	N 1684857.0378	E 1647093.8401
75	TREE WELL	N 1684718.0126	E 1647100.0340
76	TREE WELL	N 1684611.9379	E 1647098.5391
77	TREE WELL	N 1684542.4758	E 1647087.9791
78	TREE WELL	N 1684464.0225	E 1647086.9975
79	CONC. BENCH	N 1685367.3948	E 1647066.1961
80	CONC. BENCH	N 1685355.5648	E 1647076.9743
81	CONC. BENCH	N 1685346.6117	E 1647078.9783
82	CONC. BENCH	N 1685161.6295	E 1647106.8433
83	CONC. BENCH	N 1685152.5563	E 1647114.0782
84	CONC. BENCH	N 1685142.7487	E 1647117.1603
85	CONC. BENCH	N 1684935.5982	E 1647141.0554
86	CONC. BENCH	N 1684925.2892	E 1647147.1815
87	CONC. BENCH	N 1684915.7880	E 1647148.2069
88	CONC. BENCH	N 1684353.5020	E 1647220.4944
89	CONC. BENCH	N 1684188.2388	E 1647238.3235
90	CONC. BENCH	N 1684178.7913	E 1647242.9135
91	CONC. BENCH	N 1683921.0486	E 1647220.3818

PRINTS ISSUED

DATE	PURPOSE	NO.
01.15.25	PERMIT REVIEW	
02.28.25	FOR BID/CONSTRUCTION	

RIVER CORRIDOR IMPROVEMENTS
WEST BANK - RIVERFRONT
STADIUM
WICHITA, KS

LK ARCHITECTURE
345 Riverview, Suite 200, Wichita, KS 67203
T 316.268.0230 F 316.268.0205

JEFFREY ALAN BEST LICENSED LANDSCAPE ARCHITECT 1679 KANSAS

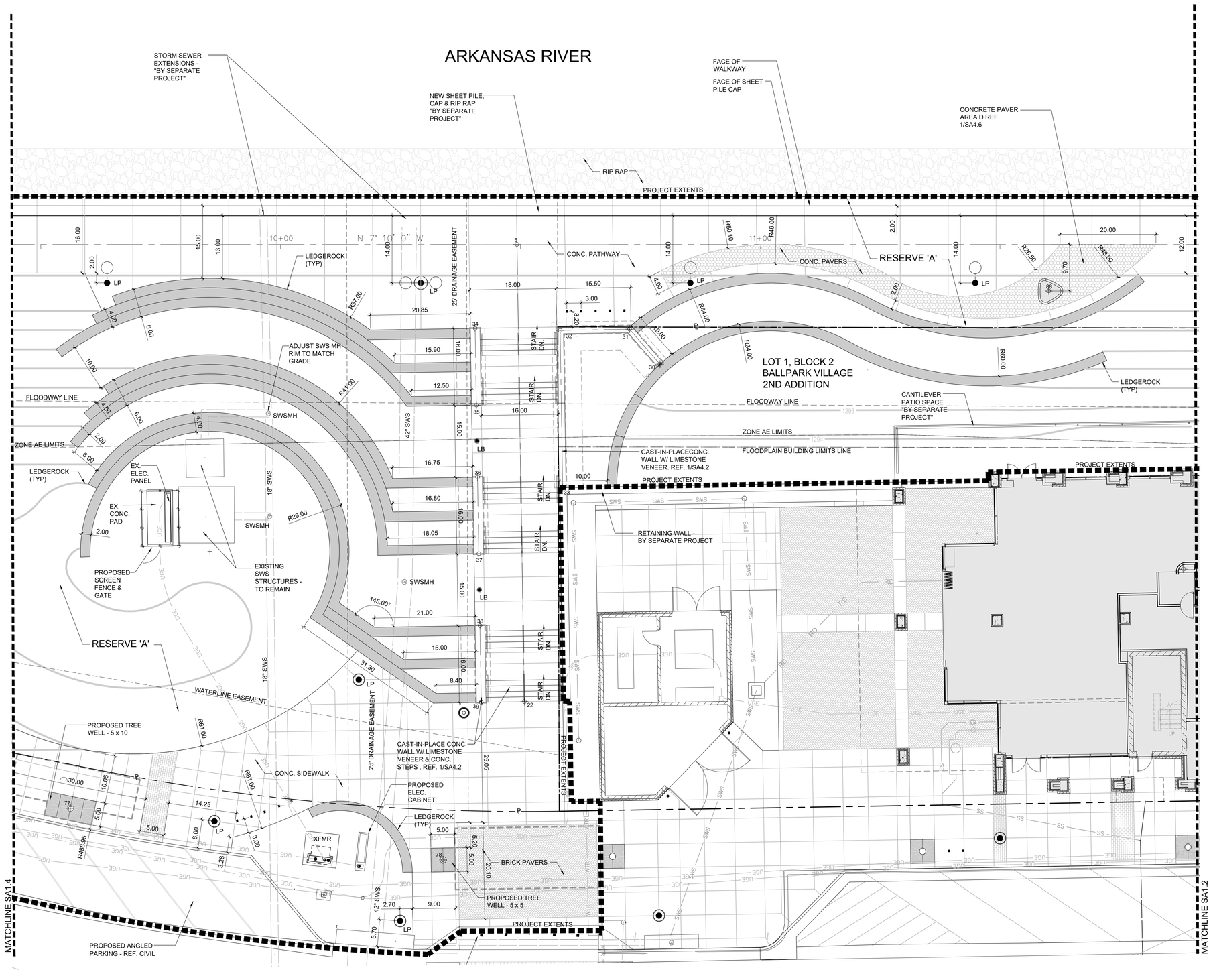
02.28.25

CONTACT: J. BEST
DRAWN: JB
CHECKED: J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: SITE LAYOUT PLAN

SHEET NUMBER: SA1.2



COORDINATES

POINT	DESCRIPTION	NORTHING	EASTING
1	STA. 0+00	N 1685502.5418	E 1647063.4357
2	PC	N 1685086.5328	E 1647136.8649
3	PT	N 1685037.9578	E 1647144.2011
4	INTERSECTION	N 1684877.8890	E 1647164.3279
5	INTERSECTION	N 1684464.7475	E 1647216.2757
6	PC	N 1684199.0246	E 1647249.6873
7	PT	N 1684136.2126	E 1647259.6027
8	STA. 16+19	N 1683902.5874	E 1647304.0619
9	PC	N 1684684.4793	E 1647139.4991
10	STA. 3+8.6	N 1684591.8306	E 1647121.0780
11	BOTTOM OF RAMP	N 1684024.9541	E 1647268.4830
12	PC	N 1683962.9984	E 1647253.5321
13	TOP OF RAMP	N 1683914.2581	E 1647250.8133
14	BOTTOM OF RAMP	N 1683920.0213	E 1647238.8894
15	TOP OF RAMP	N 1683960.1751	E 1647203.3180
16	BOTTOM OF STEP	N 1683910.0567	E 1647241.2103
17	TOP OF STEP	N 1683902.2863	E 1647234.9076
18	BOTTOM OF STEP	N 1684057.1713	E 1647244.7473
19	TOP OF STEP	N 1684060.5181	E 1647237.4590
20	BOTTOM OF STEP	N 1684074.6024	E 1647224.4689
21	TOP OF STEP	N 1684082.5457	E 1647223.3623
22	TOP OF STEP	N 1684451.3170	E 1647121.8668
23	TOP OF STEP	N 1685474.8904	E 1646972.5209
24	BOTTOM OF STEP	N 1685477.7069	E 1647021.6599
25	END OF WALL	N 1683903.3109	E 1647247.9138
26	END OF WALL	N 1683896.7459	E 1647240.3301
27	END OF WALL	N 1683906.7215	E 1647227.3087
28	MIDPOINT OF WALL	N 1683939.0473	E 1647231.8138
29	END OF WALL	N 1683955.4812	E 1647203.6148
30	END OF WALL	N 1684432.0396	E 1647195.2380
31	WALL INT.	N 1684439.2705	E 1647201.6404
32	WALL INT.	N 1684453.5905	E 1647199.6073
33	END OF WALL	N 1684448.9666	E 1647167.1335
34	END OF WALL	N 1684471.2244	E 1647197.8187
35	END OF WALL	N 1684468.9689	E 1647181.9782
36	END OF WALL	N 1684466.8538	E 1647167.1234
37	END OF WALL	N 1684464.5982	E 1647151.2830
38	END OF WALL	N 1684462.4845	E 1647136.4379
39	END OF WALL	N 1684460.2289	E 1647120.5974
40	END OF WALL	N 1684599.8326	E 1647114.2888
41	MIDPOINT OF WALL	N 1684636.2412	E 1647135.9854
42	PC OF WALL	N 1684678.3119	E 1647130.8478
43	MIDPOINT OF WALL	N 1684769.7134	E 1647111.8665
44	END OF WALL	N 1684815.8086	E 1647119.4827
45	END OF PILASTER	N 1684817.1045	E 1647120.3973
46	END OF PILASTER	N 1684820.8705	E 1647107.9547
47	END OF WALL	N 1684822.1613	E 1647108.8678
48	MIDPOINT OF WALL	N 1684877.3215	E 1647116.0809
49	PC OF WALL	N 1684931.8675	E 1647105.1538
50	MIDPOINT OF WALL	N 1684976.5683	E 1647095.0712
51	PT OF WALL	N 1685022.3161	E 1647097.7105
52	END OF WALL	N 1685030.1661	E 1647099.2802
53	END OF PILASTER	N 1685031.5389	E 1647100.0647
54	END OF PILASTER	N 1685034.0881	E 1647087.3170
55	END OF WALL	N 1685035.4609	E 1647088.1015
56	PT OF WALL	N 1685037.3647	E 1647088.4822
57	MIDPOINT OF WALL	N 1685094.5980	E 1647090.1228
58	PC OF WALL	N 1685149.1472	E 1647072.7238
59	MIDPOINT OF WALL	N 1685193.7413	E 1647057.2737
60	END OF WALL	N 1685240.8869	E 1647055.1210
61	END OF PILASTER	N 1685242.3306	E 1647055.7658
62	END OF PILASTER	N 1685243.6067	E 1647042.8286
63	END OF WALL	N 1685245.0500	E 1647043.4768
64	MIDPOINT OF WALL	N 1685317.6906	E 1647032.4003
65	END OF WALL	N 1685377.7804	E 1646990.1130
66	END OF WALL	N 1685480.2293	E 1646968.8557
67	END OF WALL	N 1685469.5776	E 1646973.2721
68	END OF WALL	N 1685461.5750	E 1647039.8519
69	TREE WELL	N 1685394.4105	E 1646944.4789
70	TREE WELL	N 1685331.5861	E 1646974.9774
71	TREE WELL	N 1685201.0161	E 1647024.8456
72	TREE WELL	N 1685134.9850	E 1647047.8631
73	TREE WELL	N 1684926.3743	E 1647084.2733
74	TREE WELL	N 1684857.0378	E 1647093.8401
75	TREE WELL	N 1684718.0126	E 1647100.0340
76	TREE WELL	N 1684611.9379	E 1647098.5391
77	TREE WELL	N 1684542.4758	E 1647087.9791
78	TREE WELL	N 1684464.0225	E 1647086.9975
79	CONC. BENCH	N 1685367.3948	E 1647066.1961
80	CONC. BENCH	N 1685355.5648	E 1647076.9743
81	CONC. BENCH	N 1685346.6117	E 1647078.9783
82	CONC. BENCH	N 1685161.6295	E 1647106.8433
83	CONC. BENCH	N 1685152.5563	E 1647114.0782
84	CONC. BENCH	N 1685142.7487	E 1647117.1603
85	CONC. BENCH	N 1684935.5962	E 1647141.0554
86	CONC. BENCH	N 1684925.2892	E 1647147.1815
87	CONC. BENCH	N 1684915.7880	E 1647148.2069
88	CONC. BENCH	N 1684353.5020	E 1647220.4944
89	CONC. BENCH	N 1684188.2388	E 1647238.3235
90	CONC. BENCH	N 1684178.7913	E 1647242.9135
91	CONC. BENCH	N 1683921.0486	E 1647220.3818

NORTH

0 5' 10' 20'

Scale: 1" = 10'-0"

PRINTS ISSUED

DATE	PURPOSE	NO.
01.15.25	PERMIT REVIEW	
02.28.25	FOR BID/CONSTRUCTION	

RIVER CORRIDOR IMPROVEMENTS
WEST BANK - RIVERFRONT STADIUM
WICHITA, KS

LK ARCHITECTURE
345 Riverview, Suite 200, Wichita, KS 67203
T 316.268.0230 F 316.268.0205

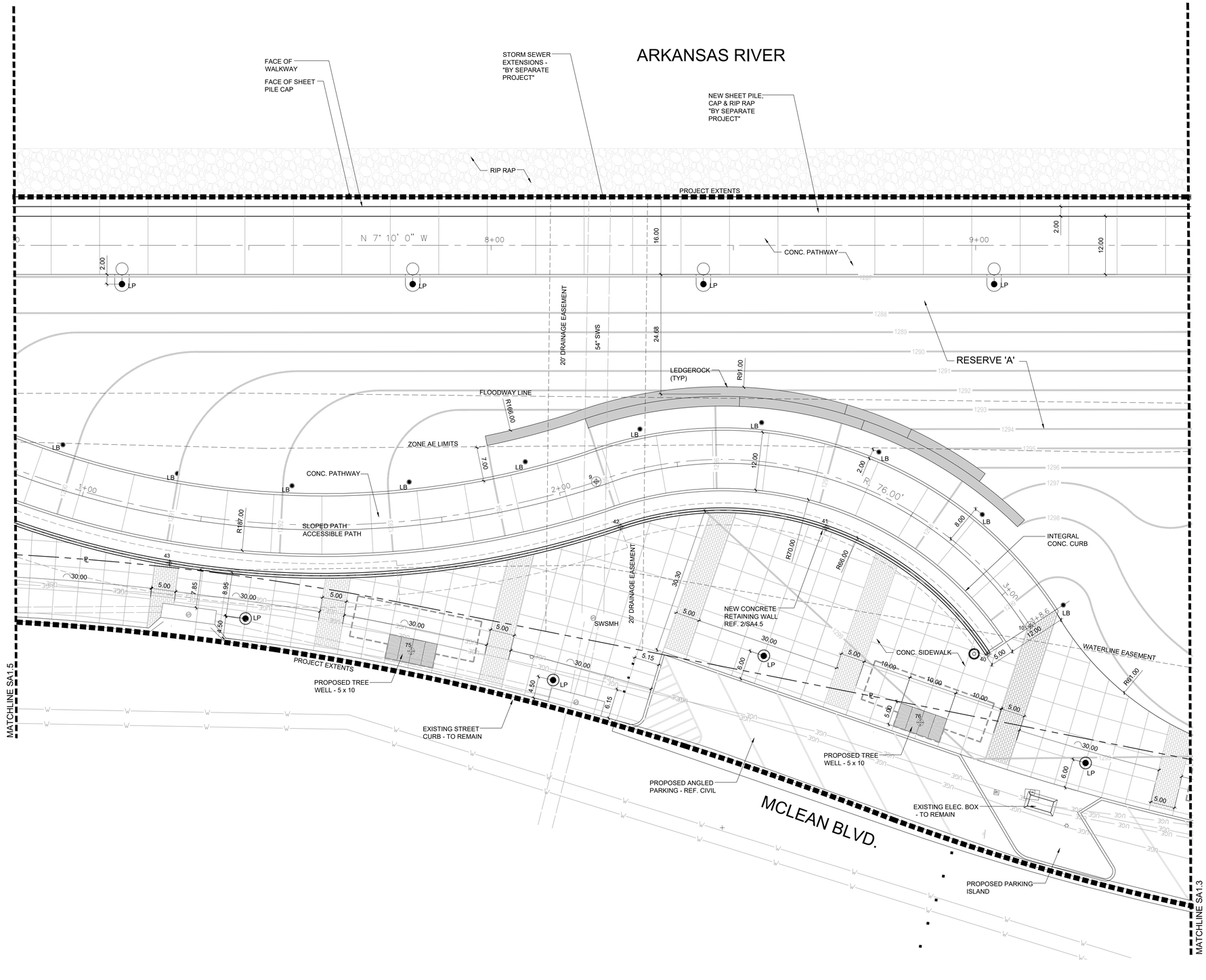
JEFFREY ALAN BEST
LICENSED
11679
KANSAS
LANDSCAPE ARCHITECT
02.28.25

CONTACT: J. BEST
DRAWN: JB
CHECKED: J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: SITE LAYOUT PLAN

SHEET NUMBER: SA1.3



COORDINATES

POINT	DESCRIPTION	NORTHING	EASTING
1	STA. 0+00	N 1685502.5418	E 1647063.4357
2	PC	N 1685086.5328	E 1647136.8649
3	PT	N 1685037.9578	E 1647144.2011
4	INTERSECTION	N 1684877.8890	E 1647164.3279
5	INTERSECTION	N 1684464.7475	E 1647216.2757
6	PC	N 1684199.0246	E 1647249.6873
7	PT	N 1684136.2126	E 1647259.6027
8	STA. 16+19	N 1683902.5874	E 1647304.0619
9	PC	N 1684684.4793	E 1647139.4991
10	STA. 3+8.6	N 1684591.8306	E 1647121.0780
11	BOTTOM OF RAMP	N 1684024.9541	E 1647268.4830
12	PC	N 1683962.9984	E 1647253.5321
13	TOP OF RAMP	N 1683914.2581	E 1647250.8133
14	BOTTOM OF RAMP	N 1683920.0213	E 1647238.8894
15	TOP OF RAMP	N 1683960.1751	E 1647203.3180
16	BOTTOM OF STEP	N 1683910.0567	E 1647241.2103
17	TOP OF STEP	N 1683902.2863	E 1647234.9076
18	BOTTOM OF STEP	N 1684057.1713	E 1647244.7473
19	TOP OF STEP	N 1684060.5181	E 1647237.4590
20	BOTTOM OF STEP	N 1684074.6024	E 1647224.4689
21	TOP OF STEP	N 1684082.5457	E 1647223.3623
22	TOP OF STEP	N 1684451.3170	E 1647121.8666
23	TOP OF STEP	N 1685474.8904	E 1646972.5209
24	BOTTOM OF STEP	N 1685477.7069	E 1647021.6599
25	END OF WALL	N 1683903.3109	E 1647247.9138
26	END OF WALL	N 1683896.7459	E 1647240.3301
27	END OF WALL	N 1683906.7215	E 1647227.3087
28	MIDPOINT OF WALL	N 1683939.0473	E 1647231.8138
29	END OF WALL	N 1683955.4812	E 1647203.6148
30	END OF WALL	N 1684432.0396	E 1647195.2380
31	WALL INT.	N 1684439.2705	E 1647201.6404
32	WALL INT.	N 1684453.5905	E 1647199.6073
33	END OF WALL	N 1684448.9666	E 1647167.1335
34	END OF WALL	N 1684471.2244	E 1647197.8187
35	END OF WALL	N 1684468.9689	E 1647181.9782
36	END OF WALL	N 1684466.8538	E 1647167.1234
37	END OF WALL	N 1684464.5982	E 1647151.2830
38	END OF WALL	N 1684462.4845	E 1647136.4379
39	END OF WALL	N 1684460.2289	E 1647120.5974
40	END OF WALL	N 1684599.8326	E 1647114.2888
41	MIDPOINT OF WALL	N 1684636.2412	E 1647135.9854
42	PC OF WALL	N 1684678.3119	E 1647130.8478
43	MIDPOINT OF WALL	N 1684769.7134	E 1647111.8665
44	END OF WALL	N 1684815.8086	E 1647119.4827
45	END OF PILASTER	N 1684817.1045	E 1647120.3973
46	END OF PILASTER	N 1684820.8705	E 1647107.9547
47	END OF WALL	N 1684822.1613	E 1647108.8678
48	MIDPOINT OF WALL	N 1684877.3215	E 1647116.0809
49	PC OF WALL	N 1684931.8675	E 1647105.1538
50	MIDPOINT OF WALL	N 1684976.5683	E 1647095.0712
51	PT OF WALL	N 1685022.3161	E 1647097.7105
52	END OF WALL	N 1685030.1661	E 1647099.2802
53	END OF PILASTER	N 1685031.5389	E 1647100.0647
54	END OF PILASTER	N 1685034.0881	E 1647087.3170
55	END OF WALL	N 1685035.4609	E 1647088.1015
56	PT OF WALL	N 1685037.3647	E 1647088.4822
57	MIDPOINT OF WALL	N 1685094.5980	E 1647090.1228
58	PC OF WALL	N 1685149.1472	E 1647072.7238
59	MIDPOINT OF WALL	N 1685193.7413	E 1647057.2737
60	END OF WALL	N 1685240.8869	E 1647055.1210
61	END OF PILASTER	N 1685242.3306	E 1647055.7658
62	END OF PILASTER	N 1685243.6067	E 1647042.8286
63	END OF WALL	N 1685245.0500	E 1647043.4768
64	MIDPOINT OF WALL	N 1685317.6906	E 1647032.4003
65	END OF WALL	N 1685377.7804	E 1646990.1130
66	END OF WALL	N 1685480.2293	E 1646968.8557
67	END OF WALL	N 1685469.5776	E 1646973.2721
68	END OF WALL	N 1685461.5750	E 1647039.8519
69	TREE WELL	N 1685394.4105	E 1646944.4789
70	TREE WELL	N 1685331.5861	E 1646974.9774
71	TREE WELL	N 1685201.0161	E 1647024.8456
72	TREE WELL	N 1685134.9850	E 1647047.8631
73	TREE WELL	N 1684926.3743	E 1647084.2733
74	TREE WELL	N 1684857.9378	E 1647093.8401
75	TREE WELL	N 1684718.0126	E 1647100.0340
76	TREE WELL	N 1684611.9379	E 1647098.5391
77	TREE WELL	N 1684542.4758	E 1647087.9791
78	TREE WELL	N 1684464.0225	E 1647086.9975
79	CONC. BENCH	N 1685367.3948	E 1647068.1961
80	CONC. BENCH	N 1685355.5648	E 1647076.9743
81	CONC. BENCH	N 1685346.6117	E 1647078.9783
82	CONC. BENCH	N 1685161.6295	E 1647106.8433
83	CONC. BENCH	N 1685152.5563	E 1647114.0782
84	CONC. BENCH	N 1685142.7487	E 1647117.1603
85	CONC. BENCH	N 1684935.5962	E 1647141.0554
86	CONC. BENCH	N 1684925.2892	E 1647147.1815
87	CONC. BENCH	N 1684915.7880	E 1647148.2069
88	CONC. BENCH	N 1684353.5020	E 1647220.4944
89	CONC. BENCH	N 1684188.2388	E 1647238.3235
90	CONC. BENCH	N 1684178.7913	E 1647242.9135
91	CONC. BENCH	N 1683921.0486	E 1647220.3818

PRINTS ISSUED

DATE	PURPOSE	NO.
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RIVER CORRIDOR IMPROVEMENTS
WEST BANK - RIVERFRONT
STADIUM
WICHITA, KS

LK ARCHITECTURE
345 Riverview, Suite 200, Wichita, KS 67203
T 316.268.0230 F 316.268.0205

JEFFREY ALAN BEST — LICENSED — 1679 — KANSAS LANDSCAPE ARCHITECT

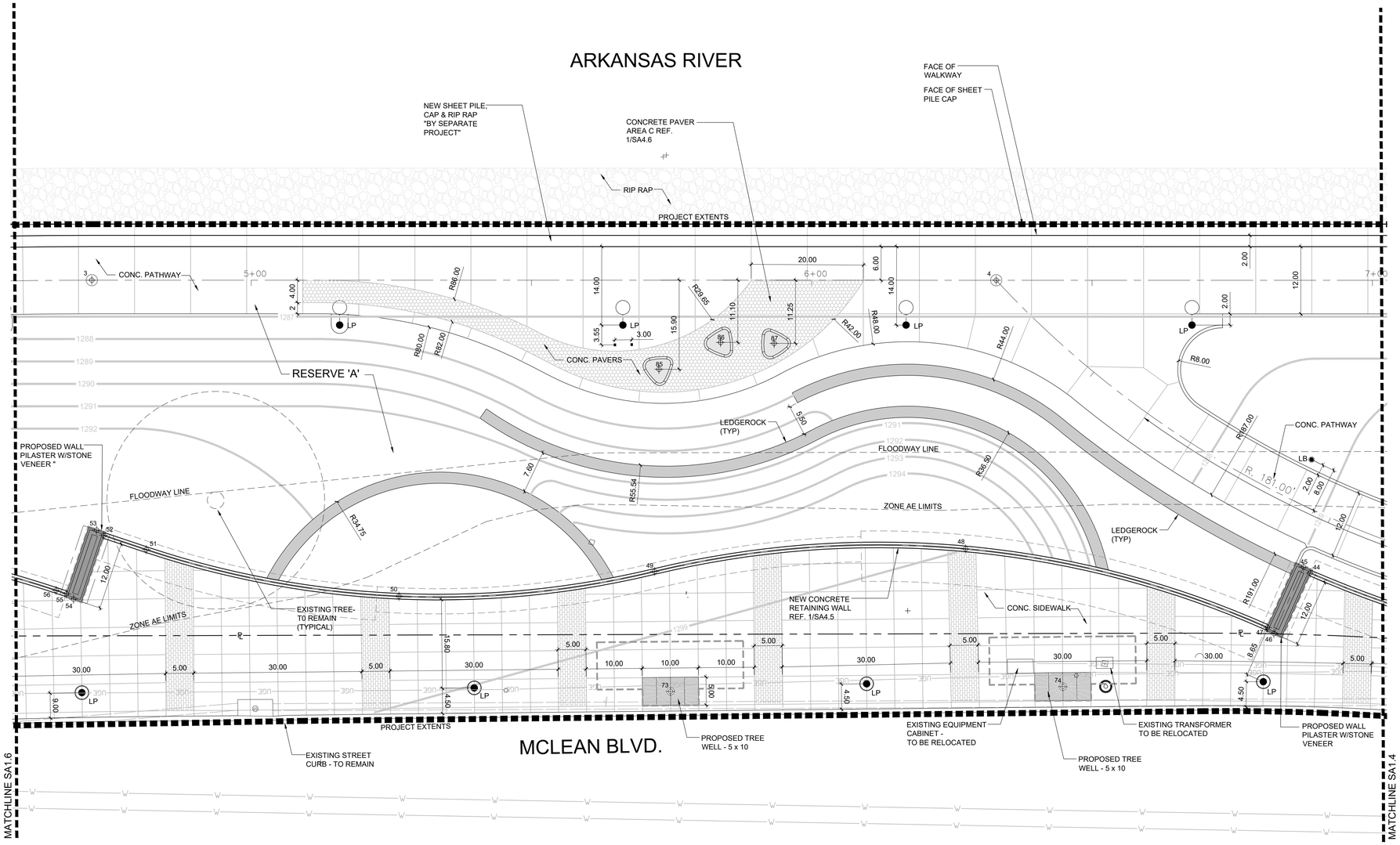
02.28.25

CONTACT:	J. BEST
DRAWN:	JB
CHECKED:	J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: SITE LAYOUT PLAN

SHEET NUMBER: SA1.4



COORDINATES

POINT	DESCRIPTION	NORTHING	EASTING
1	STA. 0+00	N 1685502.5418	E 1647063.4357
2	PC	N 1685086.5328	E 1647136.8649
3	PT	N 1685037.9578	E 1647144.2011
4	INTERSECTION	N 1684877.8890	E 1647164.3279
5	INTERSECTION	N 1684464.7475	E 1647216.2757
6	PC	N 1684199.0246	E 1647249.6873
7	PT	N 1684136.2126	E 1647259.6027
8	STA. 16+19	N 1683902.5874	E 1647304.0619
9	PC	N 1684684.4793	E 1647139.4991
10	STA. 3+8.6	N 1684591.8306	E 1647121.0780
11	BOTTOM OF RAMP	N 1684024.9541	E 1647268.4830
12	PC	N 1683962.9984	E 1647253.5321
13	TOP OF RAMP	N 1683914.2581	E 1647250.8133
14	BOTTOM OF RAMP	N 1683920.0213	E 1647238.8894
15	TOP OF RAMP	N 1683960.1751	E 1647203.3180
16	BOTTOM OF STEP	N 1683910.0567	E 1647241.2103
17	TOP OF STEP	N 1683902.2863	E 1647234.9076
18	BOTTOM OF STEP	N 1684057.1713	E 1647244.7473
19	TOP OF STEP	N 1684060.5181	E 1647237.4590
20	BOTTOM OF STEP	N 1684074.6024	E 1647224.4689
21	TOP OF STEP	N 1684082.5457	E 1647223.3623
22	TOP OF STEP	N 1684451.3170	E 1647121.8666
23	TOP OF STEP	N 1685474.8904	E 1646972.5209
24	BOTTOM OF STEP	N 1685477.7069	E 1647021.6599
25	END OF WALL	N 1683903.3109	E 1647247.9138
26	END OF WALL	N 1683896.7459	E 1647240.3301
27	END OF WALL	N 1683906.7215	E 1647227.3087
28	MIDPOINT OF WALL	N 1683939.0473	E 1647231.8138
29	END OF WALL	N 1683955.4812	E 1647203.6148
30	END OF WALL	N 1684432.0396	E 1647195.2380
31	WALL INT.	N 1684439.2705	E 1647201.6404
32	WALL INT.	N 1684453.5905	E 1647199.6073
33	END OF WALL	N 1684448.9666	E 1647167.1335
34	END OF WALL	N 1684471.2244	E 1647197.8187
35	END OF WALL	N 1684468.9689	E 1647181.9782
36	END OF WALL	N 1684466.8538	E 1647167.1234
37	END OF WALL	N 1684464.5982	E 1647151.2830
38	END OF WALL	N 1684462.4845	E 1647136.4379
39	END OF WALL	N 1684460.2289	E 1647120.5974
40	END OF WALL	N 1684599.8326	E 1647114.2888
41	MIDPOINT OF WALL	N 1684636.2412	E 1647135.9854
42	PC OF WALL	N 1684678.3119	E 1647130.8478
43	MIDPOINT OF WALL	N 1684769.7134	E 1647111.8665
44	END OF WALL	N 1684815.8086	E 1647119.4827
45	END OF PILASTER	N 1684817.1045	E 1647120.3973
46	END OF PILASTER	N 1684820.8705	E 1647107.9547
47	END OF WALL	N 1684822.1613	E 1647108.8678
48	MIDPOINT OF WALL	N 1684877.3215	E 1647116.0809
49	PC OF WALL	N 1684931.8675	E 1647105.1538
50	MIDPOINT OF WALL	N 1684976.5683	E 1647095.0712
51	PT OF WALL	N 1685022.3161	E 1647097.7105
52	END OF WALL	N 1685030.1661	E 1647099.2802
53	END OF PILASTER	N 1685031.5389	E 1647100.0647
54	END OF PILASTER	N 1685034.0881	E 1647087.3170
55	END OF WALL	N 1685035.4609	E 1647088.1015
56	PT OF WALL	N 1685037.3647	E 1647088.4822
57	MIDPOINT OF WALL	N 1685094.5980	E 1647090.1228
58	PC OF WALL	N 1685149.1472	E 1647072.7238
59	MIDPOINT OF WALL	N 1685193.7413	E 1647057.2737
60	END OF WALL	N 1685240.8869	E 1647055.1210
61	END OF PILASTER	N 1685242.3306	E 1647055.7658
62	END OF PILASTER	N 1685243.6067	E 1647042.8286
63	END OF WALL	N 1685245.0500	E 1647043.4768
64	MIDPOINT OF WALL	N 1685317.6906	E 1647032.4003
65	END OF WALL	N 1685377.7804	E 1646990.1130
66	END OF WALL	N 1685480.2293	E 1646968.8557
67	END OF WALL	N 1685469.5776	E 1646973.2721
68	END OF WALL	N 1685461.5750	E 1647039.8519
69	TREE WELL	N 1685394.4105	E 1646944.4789
70	TREE WELL	N 1685331.5861	E 1646974.9774
71	TREE WELL	N 1685201.0161	E 1647024.8456
72	TREE WELL	N 1685134.9850	E 1647047.8631
73	TREE WELL	N 1684926.3743	E 1647084.2733
74	TREE WELL	N 1684857.0378	E 1647093.8401
75	TREE WELL	N 1684718.0126	E 1647100.0340
76	TREE WELL	N 1684611.9379	E 1647098.5391
77	TREE WELL	N 1684542.4758	E 1647087.9791
78	TREE WELL	N 1684464.0225	E 1647086.9975
79	CONC. BENCH	N 1685367.3948	E 1647066.1961
80	CONC. BENCH	N 1685355.5648	E 1647076.9743
81	CONC. BENCH	N 1685346.6117	E 1647078.9783
82	CONC. BENCH	N 1685161.6295	E 1647106.8433
83	CONC. BENCH	N 1685152.5563	E 1647114.0782
84	CONC. BENCH	N 1685142.7487	E 1647117.1603
85	CONC. BENCH	N 1684935.5962	E 1647141.0554
86	CONC. BENCH	N 1684925.2892	E 1647147.1815
87	CONC. BENCH	N 1684915.7880	E 1647148.2069
88	CONC. BENCH	N 1684353.5020	E 1647220.4944
89	CONC. BENCH	N 1684188.2388	E 1647238.3235
90	CONC. BENCH	N 1684178.7913	E 1647242.9135
91	CONC. BENCH	N 1683921.0486	E 1647220.3818

NORTH

0 5' 10' 20'

Scale: 1" = 10'-0"

PRINTS ISSUED

DATE	PURPOSE	NO.
01.15.25	PERMIT REVIEW	
02.28.25	FOR BID/CONSTRUCTION	

RIVER CORRIDOR IMPROVEMENTS
WEST BANK - RIVERFRONT STADIUM
WICHITA, KS

LK ARCHITECTURE
345 Riverview, Suite 200, Wichita, KS 67203
T 316.268.0230 F 316.268.0205

JEFFREY ALAN BEST
LICENSED
2014879
KANSAS
LANDSCAPE ARCHITECT

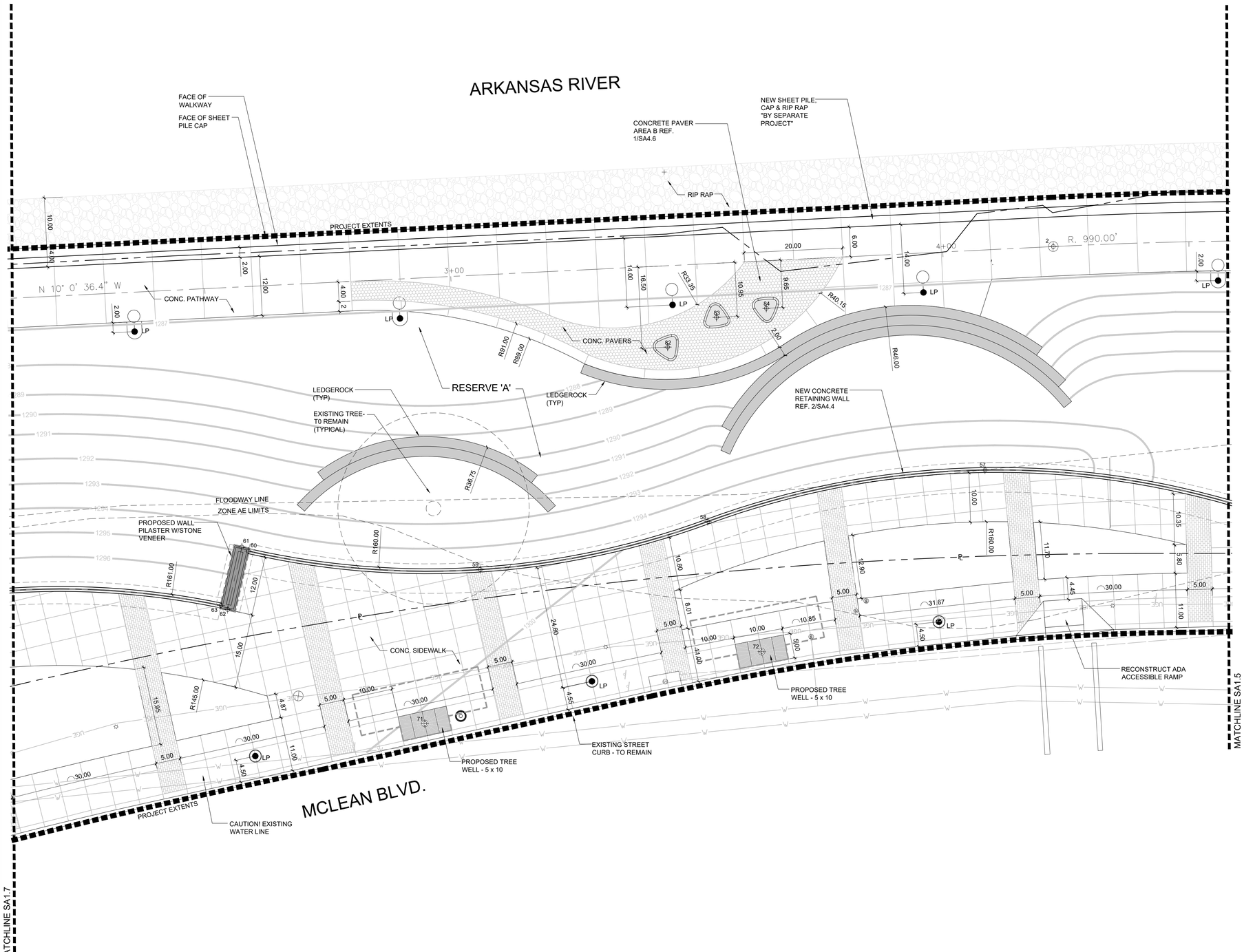
02.28.25

CONTACT: J. BEST
DRAWN: JB
CHECKED: J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: SITE LAYOUT PLAN

SHEET NUMBER: SA1.5



COORDINATES

POINT	DESCRIPTION	NORTHING	EASTING
1	STA. 0+00	N 1685502.5418	E 1647063.4357
2	PC	N 1685086.5328	E 1647136.8649
3	PT	N 1685037.9578	E 1647144.2011
4	INTERSECTION	N 1684877.8890	E 1647164.3279
5	INTERSECTION	N 1684464.7475	E 1647216.2757
6	PC	N 1684199.0246	E 1647249.6873
7	PT	N 1684136.2126	E 1647259.6027
8	STA. 16+19	N 1683902.5874	E 1647304.0619
9	PC	N 1684684.4793	E 1647139.4991
10	STA. 3+8.6	N 1684591.8306	E 1647121.0780
11	BOTTOM OF RAMP	N 1684024.9541	E 1647268.4830
12	PC	N 1683962.9984	E 1647253.5321
13	TOP OF RAMP	N 1683914.2581	E 1647250.8133
14	BOTTOM OF RAMP	N 1683920.0213	E 1647238.8894
15	TOP OF RAMP	N 1683960.1751	E 1647203.3180
16	BOTTOM OF STEP	N 1683910.0567	E 1647241.2103
17	TOP OF STEP	N 1683902.2863	E 1647234.9076
18	BOTTOM OF STEP	N 1684057.1713	E 1647244.7473
19	TOP OF STEP	N 1684060.5181	E 1647237.4590
20	BOTTOM OF STEP	N 1684074.6024	E 1647224.4689
21	TOP OF STEP	N 1684082.5457	E 1647223.3623
22	TOP OF STEP	N 1684451.3170	E 1647121.8666
23	TOP OF STEP	N 1685474.8904	E 1646972.5209
24	BOTTOM OF STEP	N 1685477.7069	E 1647021.6599
25	END OF WALL	N 1683903.3109	E 1647247.9138
26	END OF WALL	N 1683896.7459	E 1647240.3301
27	END OF WALL	N 1683906.7215	E 1647227.3087
28	MIDPOINT OF WALL	N 1683939.0473	E 1647231.8138
29	END OF WALL	N 1683955.4812	E 1647203.6148
30	END OF WALL	N 1684432.0396	E 1647195.2380
31	WALL INT.	N 1684439.2705	E 1647201.6404
32	WALL INT.	N 1684453.5905	E 1647190.6073
33	END OF WALL	N 1684448.9666	E 1647167.1335
34	END OF WALL	N 1684471.2244	E 1647197.8187
35	END OF WALL	N 1684468.9689	E 1647181.9782
36	END OF WALL	N 1684466.8538	E 1647167.1234
37	END OF WALL	N 1684464.5982	E 1647151.2830
38	END OF WALL	N 1684462.4845	E 1647136.4379
39	END OF WALL	N 1684460.2289	E 1647120.5974
40	END OF WALL	N 1684599.8326	E 1647114.2888
41	MIDPOINT OF WALL	N 1684636.2412	E 1647135.9854
42	PC OF WALL	N 1684678.3119	E 1647130.8478
43	MIDPOINT OF WALL	N 1684769.7134	E 1647111.8665
44	END OF WALL	N 1684815.8086	E 1647119.4827
45	END OF PILASTER	N 1684817.1045	E 1647120.3973
46	END OF PILASTER	N 1684820.8705	E 1647107.9547
47	END OF WALL	N 1684822.1613	E 1647108.8678
48	MIDPOINT OF WALL	N 1684877.3215	E 1647116.0809
49	PC OF WALL	N 1684931.8675	E 1647105.1538
50	MIDPOINT OF WALL	N 1684976.5683	E 1647095.0712
51	PT OF WALL	N 1685022.3161	E 1647097.7105
52	END OF WALL	N 1685030.1661	E 1647099.2802
53	END OF PILASTER	N 1685031.5389	E 1647100.0647
54	END OF PILASTER	N 1685034.0881	E 1647087.3170
55	END OF WALL	N 1685035.4609	E 1647088.1015
56	PT OF WALL	N 1685037.3647	E 1647088.4822
57	MIDPOINT OF WALL	N 1685094.5980	E 1647090.1228
58	PC OF WALL	N 1685149.1472	E 1647072.7238
59	MIDPOINT OF WALL	N 1685193.7413	E 1647057.2737
60	END OF WALL	N 1685240.8869	E 1647055.1210
61	END OF PILASTER	N 1685242.3306	E 1647055.7658
62	END OF PILASTER	N 1685243.6067	E 1647042.8286
63	END OF WALL	N 1685245.0500	E 1647043.4768
64	MIDPOINT OF WALL	N 1685317.6906	E 1647032.4003
65	END OF WALL	N 1685377.7804	E 1646990.1130
66	END OF WALL	N 1685480.2293	E 1646968.8557
67	END OF WALL	N 1685469.5776	E 1646973.2721
68	END OF WALL	N 1685461.5750	E 1647039.8519
69	TREE WELL	N 1685394.4105	E 1646944.4789
70	TREE WELL	N 1685331.5861	E 1646974.9774
71	TREE WELL	N 1685201.0161	E 1647024.8456
72	TREE WELL	N 1685134.9850	E 1647047.8631
73	TREE WELL	N 1684926.3743	E 1647084.2733
74	TREE WELL	N 1684857.0378	E 1647093.8401
75	TREE WELL	N 1684718.0126	E 1647100.0340
76	TREE WELL	N 1684611.9379	E 1647098.5391
77	TREE WELL	N 1684542.4758	E 1647087.9791
78	TREE WELL	N 1684464.0225	E 1647086.9975
79	CONC. BENCH	N 1685367.3948	E 1647066.1961
80	CONC. BENCH	N 1685355.5648	E 1647076.9743
81	CONC. BENCH	N 1685346.6117	E 1647078.9783
82	CONC. BENCH	N 1685161.6295	E 1647106.8433
83	CONC. BENCH	N 1685152.5563	E 1647114.0782
84	CONC. BENCH	N 1685142.7487	E 1647117.1603
85	CONC. BENCH	N 1684935.5962	E 1647141.0554
86	CONC. BENCH	N 1684925.2892	E 1647147.1815
87	CONC. BENCH	N 1684915.7680	E 1647148.2069
88	CONC. BENCH	N 1684353.5020	E 1647220.4944
89	CONC. BENCH	N 1684188.2388	E 1647238.3235
90	CONC. BENCH	N 1684178.7913	E 1647242.9135
91	CONC. BENCH	N 1683921.0486	E 1647220.3818

NORTH

0 5' 10' 20'

Scale: 1" = 10'-0"

PRINTS ISSUED

DATE	PURPOSE	NO.
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RIVER CORRIDOR IMPROVEMENTS
WEST BANK - RIVERFRONT STADIUM
WICHITA, KS

LK ARCHITECTURE
345 Riverview, Suite 200, Wichita, KS 67203
T 316.268.0230 F 316.268.0205

JEFFREY ALAN LINK LICENSED LANDSCAPE ARCHITECT 1411679 KANSAS LANDSCAPE ARCHITECT

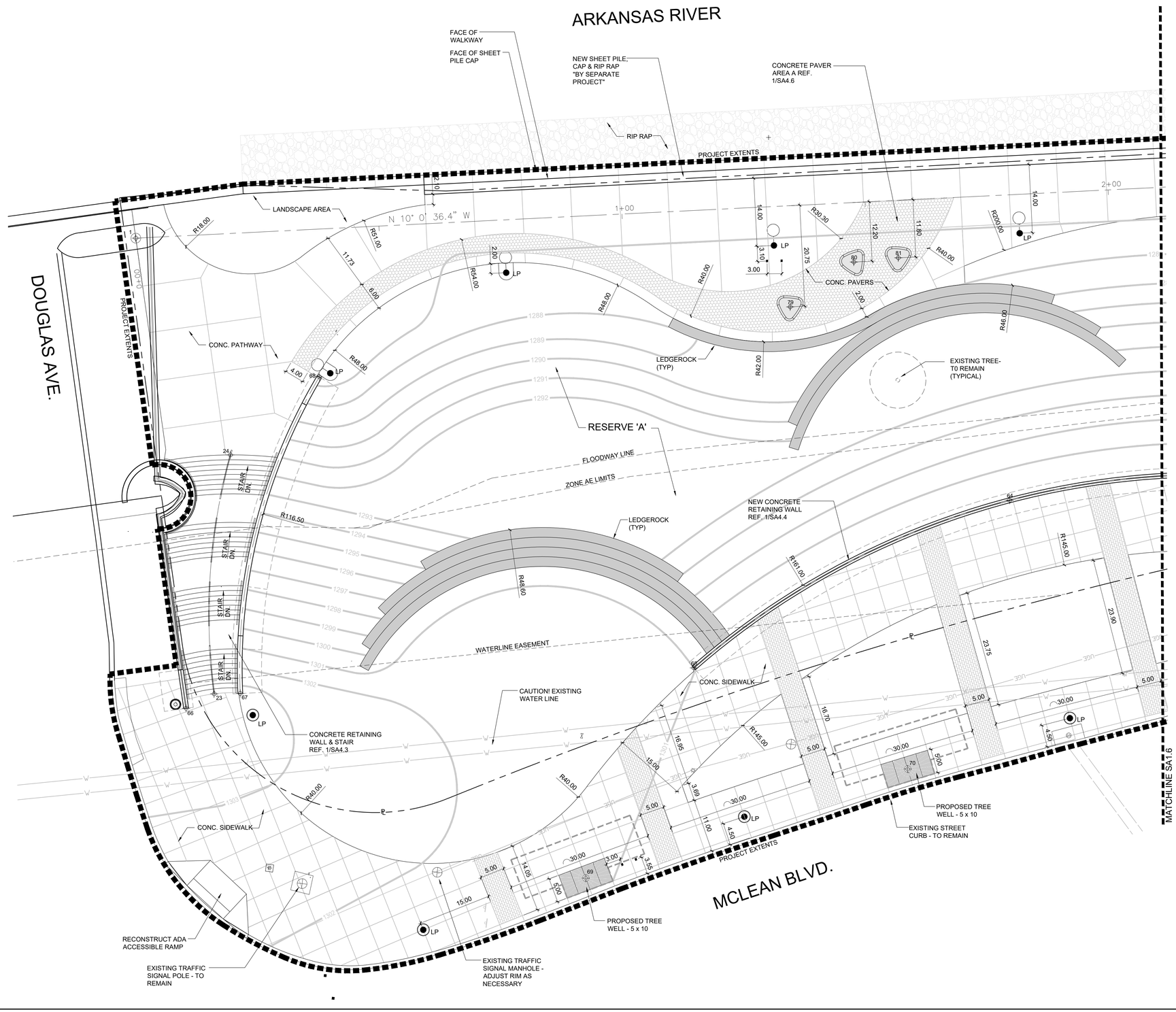
02.28.25

CONTACT: J. BEST
DRAWN: JB
CHECKED: J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: SITE LAYOUT PLAN

SHEET NUMBER: SA1.6



COORDINATES

POINT	DESCRIPTION	NORTHING	EASTING
1	STA. 0+00	N 1685502.5418	E 1647063.4357
2	PC	N 1685086.5328	E 1647136.8649
3	PT	N 1685037.9578	E 1647144.2011
4	INTERSECTION	N 1684877.8890	E 1647164.3279
5	INTERSECTION	N 1684464.7475	E 1647216.2757
6	PC	N 1684199.0246	E 1647249.6873
7	PT	N 1684136.2126	E 1647259.6027
8	STA. 16+19	N 1683902.5874	E 1647304.0619
9	PC	N 1684684.4793	E 1647139.4091
10	STA. 3+8.6	N 1684591.8306	E 1647121.0780
11	BOTTOM OF RAMP	N 1684024.9541	E 1647268.4830
12	PC	N 1683962.9984	E 1647253.5321
13	TOP OF RAMP	N 1683914.2581	E 1647250.8133
14	BOTTOM OF RAMP	N 1683920.0213	E 1647238.8894
15	TOP OF RAMP	N 1683960.1751	E 1647203.3180
16	BOTTOM OF STEP	N 1683910.0567	E 1647241.2103
17	TOP OF STEP	N 1683902.2863	E 1647234.9076
18	BOTTOM OF STEP	N 1684057.1713	E 1647244.7473
19	TOP OF STEP	N 1684060.5181	E 1647237.4590
20	BOTTOM OF STEP	N 1684074.6024	E 1647224.4689
21	TOP OF STEP	N 1684082.5457	E 1647223.3623
22	TOP OF STEP	N 1684451.3170	E 1647121.8666
23	TOP OF STEP	N 1685474.8904	E 1646972.5209
24	BOTTOM OF STEP	N 1685477.7069	E 1647021.6599
25	END OF WALL	N 1683903.3109	E 1647247.9138
26	END OF WALL	N 1683896.7459	E 1647240.3301
27	END OF WALL	N 1683906.7215	E 1647227.3087
28	MIDPOINT OF WALL	N 1683939.0473	E 1647231.8138
29	END OF WALL	N 1683955.4812	E 1647203.6148
30	END OF WALL	N 1684432.0396	E 1647195.2380
31	WALL INT.	N 1684439.2705	E 1647201.6404
32	WALL INT.	N 1684453.5905	E 1647199.6073
33	END OF WALL	N 1684448.9666	E 1647167.1335
34	END OF WALL	N 1684471.2244	E 1647197.8187
35	END OF WALL	N 1684468.9689	E 1647181.9782
36	END OF WALL	N 1684466.8538	E 1647167.1234
37	END OF WALL	N 1684464.5982	E 1647151.2830
38	END OF WALL	N 1684462.4845	E 1647136.4379
39	END OF WALL	N 1684460.2289	E 1647120.5974
40	END OF WALL	N 1684599.8326	E 1647114.2888
41	MIDPOINT OF WALL	N 1684636.2412	E 1647135.9854
42	PC OF WALL	N 1684678.3119	E 1647130.8478
43	MIDPOINT OF WALL	N 1684769.7134	E 1647111.8665
44	END OF WALL	N 1684815.8086	E 1647119.4827
45	END OF PILASTER	N 1684817.1045	E 1647120.3973
46	END OF PILASTER	N 1684820.8705	E 1647107.9547
47	END OF WALL	N 1684822.1613	E 1647108.8678
48	MIDPOINT OF WALL	N 1684877.3215	E 1647116.0809
49	PC OF WALL	N 1684931.8675	E 1647105.1538
50	MIDPOINT OF WALL	N 1684976.5683	E 1647095.0712
51	PT OF WALL	N 1685022.3161	E 1647097.7105
52	END OF WALL	N 1685030.1661	E 1647099.2802
53	END OF PILASTER	N 1685031.5389	E 1647100.0647
54	END OF PILASTER	N 1685034.0881	E 1647087.3170
55	END OF WALL	N 1685035.4609	E 1647088.1015
56	PT OF WALL	N 1685037.3647	E 1647088.4822
57	MIDPOINT OF WALL	N 1685094.5980	E 1647090.1228
58	PC OF WALL	N 1685149.1472	E 1647072.7238
59	MIDPOINT OF WALL	N 1685193.7413	E 1647057.2737
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62	END OF PILASTER	N 1685243.6067	E 1647042.8286
63	END OF WALL	N 1685245.0500	E 1647043.4768
64	MIDPOINT OF WALL	N 1685317.6906	E 1647032.4003
65	END OF WALL	N 1685377.7804	E 1646990.1130
66	END OF WALL	N 1685480.2293	E 1646968.8557
67	END OF WALL	N 1685469.5776	E 1646973.2721
68	END OF WALL	N 1685461.5750	E 1647039.8519
69	TREE WELL	N 1685394.4105	E 1646944.4789
70	TREE WELL	N 1685331.5861	E 1646974.9774
71	TREE WELL	N 1685201.0161	E 1647024.8456
72	TREE WELL	N 1685134.9850	E 1647047.8631
73	TREE WELL	N 1684926.3743	E 1647084.2733
74	TREE WELL	N 1684857.0378	E 1647093.8401
75	TREE WELL	N 1684718.0126	E 1647100.0340
76	TREE WELL	N 1684611.9379	E 1647098.5391
77	TREE WELL	N 1684542.4758	E 1647087.9791
78	TREE WELL	N 1684464.0225	E 1647086.9975
79	CONC. BENCH	N 1685367.3948	E 1647066.1961
80	CONC. BENCH	N 1685355.5648	E 1647076.9743
81	CONC. BENCH	N 1685346.6117	E 1647078.9783
82	CONC. BENCH	N 1685161.6295	E 1647106.8433
83	CONC. BENCH	N 1685152.5563	E 1647114.0782
84	CONC. BENCH	N 1685142.7487	E 1647117.1603
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86	CONC. BENCH	N 1684925.2892	E 1647147.1815
87	CONC. BENCH	N 1684915.7880	E 1647148.2069
88	CONC. BENCH	N 1684353.5020	E 1647220.4944
89	CONC. BENCH	N 1684188.2388	E 1647238.3235
90	CONC. BENCH	N 1684178.7913	E 1647242.9135
91	CONC. BENCH	N 1683921.0486	E 1647220.3818

PRINTS ISSUED

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RIVER CORRIDOR IMPROVEMENTS
WEST BANK - RIVERFRONT STADIUM
WICHITA, KS

LK ARCHITECTURE
345 Riverview, Suite 200, Wichita, KS 67203
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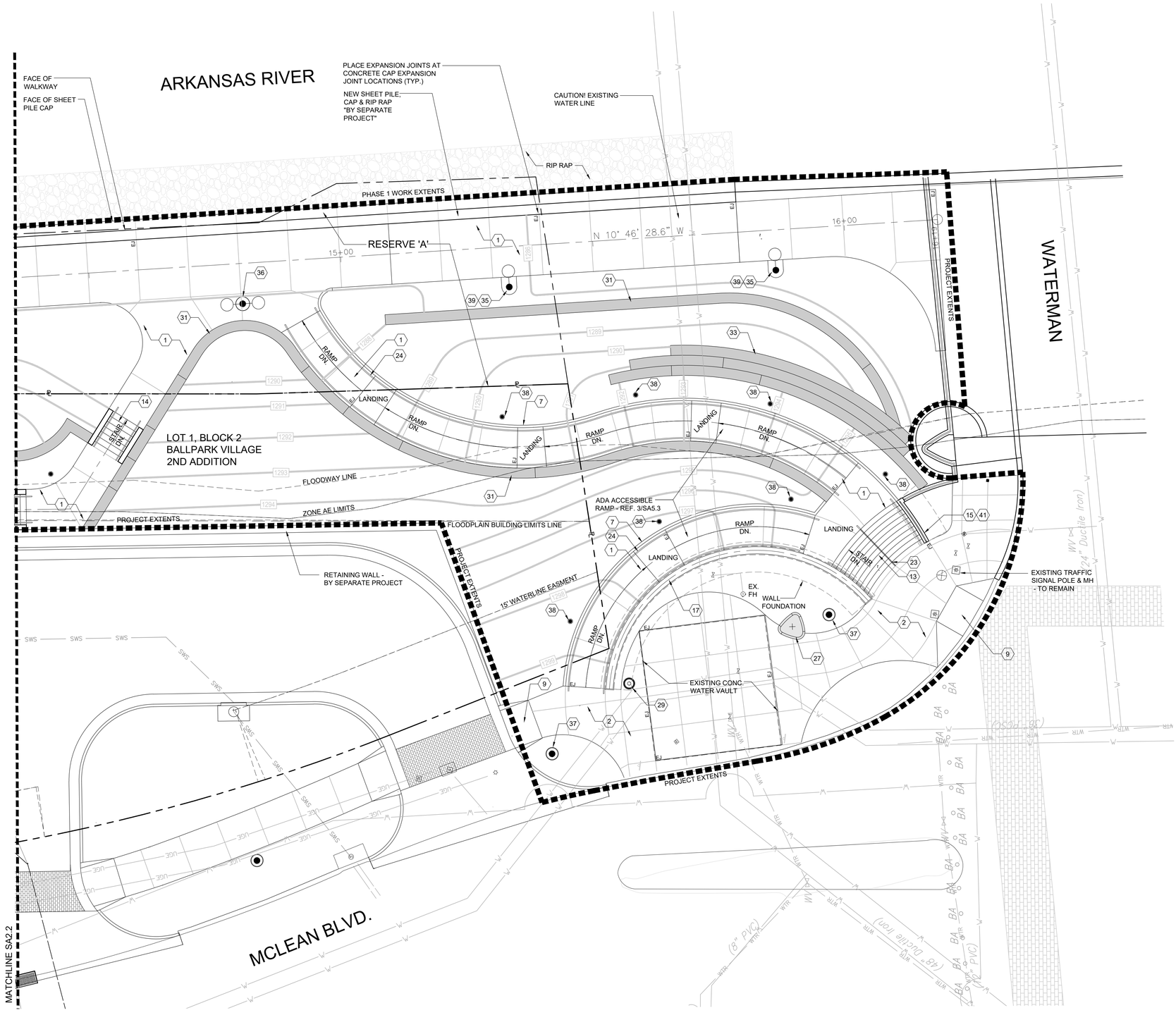
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: SITE LAYOUT PLAN

SHEET NUMBER: SA1.7



REFERENCE

KEY	DESCRIPTION	DETAIL
1	5" PLAIN CONCRETE PAVING	1/SA5.1
2	4" PLAIN CONCRETE PAVING	2/SA5.1
3	7" REINF. CONCRETE PAVING	REF. CIVIL
4	PAVERS ON CONCRETE	6/SA5.1
5	CONCRETE PAVER BORDER	7/SA5.1
6	PAVER RESTRAINT	8/SA5.1
7	4" INTEGRAL CURB	9/SA5.1
8	6" STANDARD CURB & GUTTER	REF. CIVIL
9	ACCESSIBLE RAMP	10/SA5.1
10	LIMESTONE SEATWALL	11/SA5.1
11	TREE WELL & GRATE	1/SA5.2
12	STAIR DETAIL 'A'	2/SA5.2
13	STAIR DETAIL 'B'	3/SA5.2
14	STAIR DETAIL 'C'	4/SA5.3
15	SITE WALL 'A' - CONCRETE	4/SA5.2
16	SITE WALL 'B' - COLORED CONCRETE	5/SA5.2
17	SITE WALL 'C' - LIMESTONE VENEER	6/SA5.2
18	SITE WALL 'D' LIMESTONE VENEER	7/SA5.2
19	SITE WALL 'E' LIMESTONE VENEER	8/SA5.2
20	SITE WALL 'F' COLORED CONCRETE	4/SA5.4
21	PILASTER WALL - STONE VENEER	2&3/SA5.4
22	STEP HANDRAIL 'A'	1/SA5.3
23	STEP HANDRAIL 'B'	2/SA5.3
24	RAMP & HANDRAIL	3/SA5.3
25	WALL GUARDRAIL	1/SA5.4
26	LIMESTONE LIGHT POLE BASE	4/SA5.5
27	GALET CONCRETE BENCH	5/SA5.5
28	BIKE RACK	7/SA5.5
29	TRASH RECEPTACLE	6/SA5.5
30	LIMESTONE LEDGE - SECTION 'A'	1/SA5.6
31	LIMESTONE LEDGE - SECTION 'B'	2/SA5.6
32	LIMESTONE LEDGE - SECTION 'C'	3/SA5.6
33	LIMESTONE LEDGE - SECTION 'D'	4/SA5.6
34	LIMESTONE LEDGE - SECTION 'E'	5/SA5.6
35	LIGHT POLE 'A'	REF. ELEC.
36	LIGHT POLE 'B'	REF. ELEC.
37	LIGHT POLE 'C'	REF. ELEC.
38	LIGHT BOLLARD 'D'	REF. ELEC.
39	LIGHT POLE MOW STRIP	8/SA5.5
40	DOUGLAS BRIDGE GUARDRAIL	1/SA5.7
41	WATERMAN BRIDGE GUARDRAIL	2/SA5.7
42	STRUCTURED SOIL AREA 'A'	2/LP2.3
43	STRUCTURED SOIL AREA 'B'	3/LP2.3
44	PUMP STATION ENCLOSURE	1&2/SA5.8

NORTH

0 5' 10' 20'

Scale: 1" = 10'-0"

PRINTS ISSUED

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RIVER CORRIDOR IMPROVEMENTS
WEST BANK - RIVERFRONT
STADIUM
WICHITA, KS

LK ARCHITECTURE
345 Riverview, Suite 200, Wichita, KS 67203
T 316.268.0230 F 316.268.0205

JEFFREY ALAN BEST LICENSED LANDSCAPE ARCHITECT 1679 KANSAS

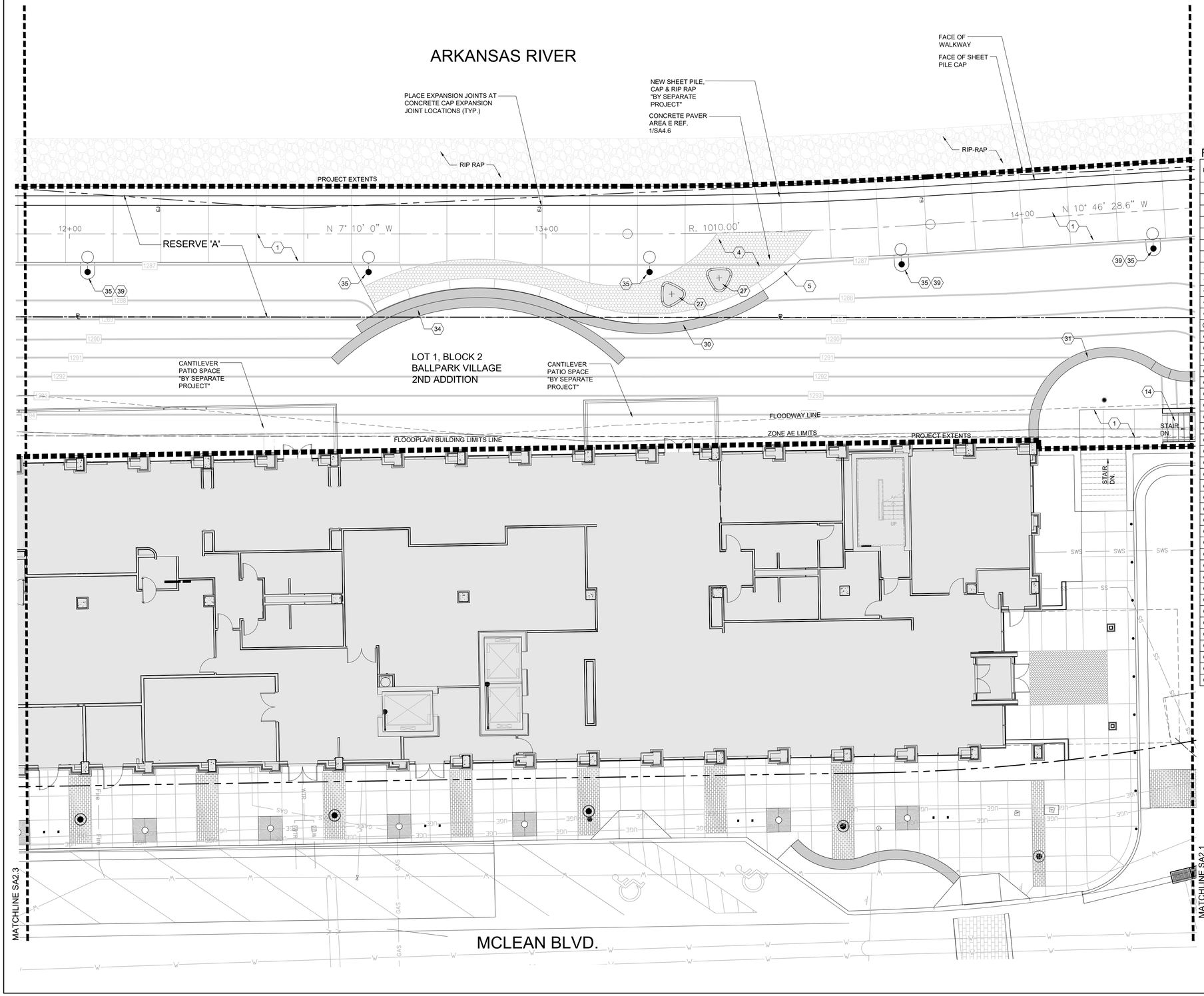
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: MATERIALS/ REFERENCE PLAN

SHEET NUMBER: SA2.1



REFERENCE

KEY	DESCRIPTION	DETAIL
1	5" PLAIN CONCRETE PAVING	1/SA5.1
2	4" PLAIN CONCRETE PAVING	2/SA5.1
3	7" REINF. CONCRETE PAVING	REF. CIVIL
4	PAVERS ON CONCRETE	6/SA5.1
5	CONCRETE PAVER BORDER	7/SA5.1
6	PAVER RESTRAINT	8/SA5.1
7	4" INTEGRAL CURB	9/SA5.1
8	6" STANDARD CURB & GUTTER	REF. CIVIL
9	ACCESSIBLE RAMP	10/SA5.1
10	LIMESTONE SEATWALL	11/SA5.1
11	TREE WELL & GRATE	1/SA5.2
12	STAIR DETAIL 'A'	2/SA5.2
13	STAIR DETAIL 'B'	3/SA5.2
14	STAIR DETAIL 'C'	4/SA5.3
15	SITE WALL 'A' - CONCRETE	4/SA5.2
16	SITE WALL 'B' - COLORED CONCRETE	5/SA5.2
17	SITE WALL 'C' - LIMESTONE VENEER	6/SA5.2
18	SITE WALL 'D' LIMESTONE VENEER	7/SA5.2
19	SITE WALL 'E' LIMESTONE VENEER	8/SA5.2
20	SITE WALL 'F' COLORED CONCRETE	4/SA5.4
21	PILASTER WALL - STONE VENEER	2&3/SA5.4
22	STEP HANDRAIL 'A'	1/SA5.3
23	STEP HANDRAIL 'B'	2/SA5.3
24	RAMP & HANDRAIL	3/SA5.3
25	WALL GUARDRAIL	1/SA5.4
26	LIMESTONE LIGHT POLE BASE	4/SA5.5
27	GALET CONCRETE BENCH	5/SA5.5
28	BIKE RACK	7/SA5.5
29	TRASH RECEPTACLE	6/SA5.5
30	LIMESTONE LEDGE - SECTION 'A'	1/SA5.6
31	LIMESTONE LEDGE - SECTION 'B'	2/SA5.6
32	LIMESTONE LEDGE - SECTION 'C'	3/SA5.6
33	LIMESTONE LEDGE - SECTION 'D'	4/SA5.6
34	LIMESTONE LEDGE - SECTION 'E'	5/SA5.6
35	LIGHT POLE 'A'	REF. ELEC.
36	LIGHT POLE 'B'	REF. ELEC.
37	LIGHT POLE 'C'	REF. ELEC.
38	LIGHT BOLLARD 'D'	REF. ELEC.
39	LIGHT POLE MOW STRIP	8/SA5.5
40	DOUGLAS BRIDGE GUARDRAIL	1/SA5.7
41	WATERMAN BRIDGE GUARDRAIL	2/SA5.7
42	STRUCTURED SOIL AREA 'A'	2/LP2.3
43	STRUCTURED SOIL AREA 'B'	3/LP2.3
44	PUMP STATION ENCLOSURE	1&2/SA5.8

NORTH

0 5' 10' 20'

Scale: 1" = 10'-0"

PRINTS ISSUED

DATE	PURPOSE	NO.
01.15.25	PERMIT REVIEW	
02.28.25	FOR BID/CONSTRUCTION	

RIVER CORRIDOR IMPROVEMENTS
WEST BANK - RIVERFRONT
STADIUM
WICHITA, KS

LK ARCHITECTURE
345 Riverview, Suite 200, Wichita, KS 67203
T 316.268.0230 F 316.268.0205

JEFFREY A. BEST LICENSED 1679 KANSAS LANDSCAPE ARCHITECT

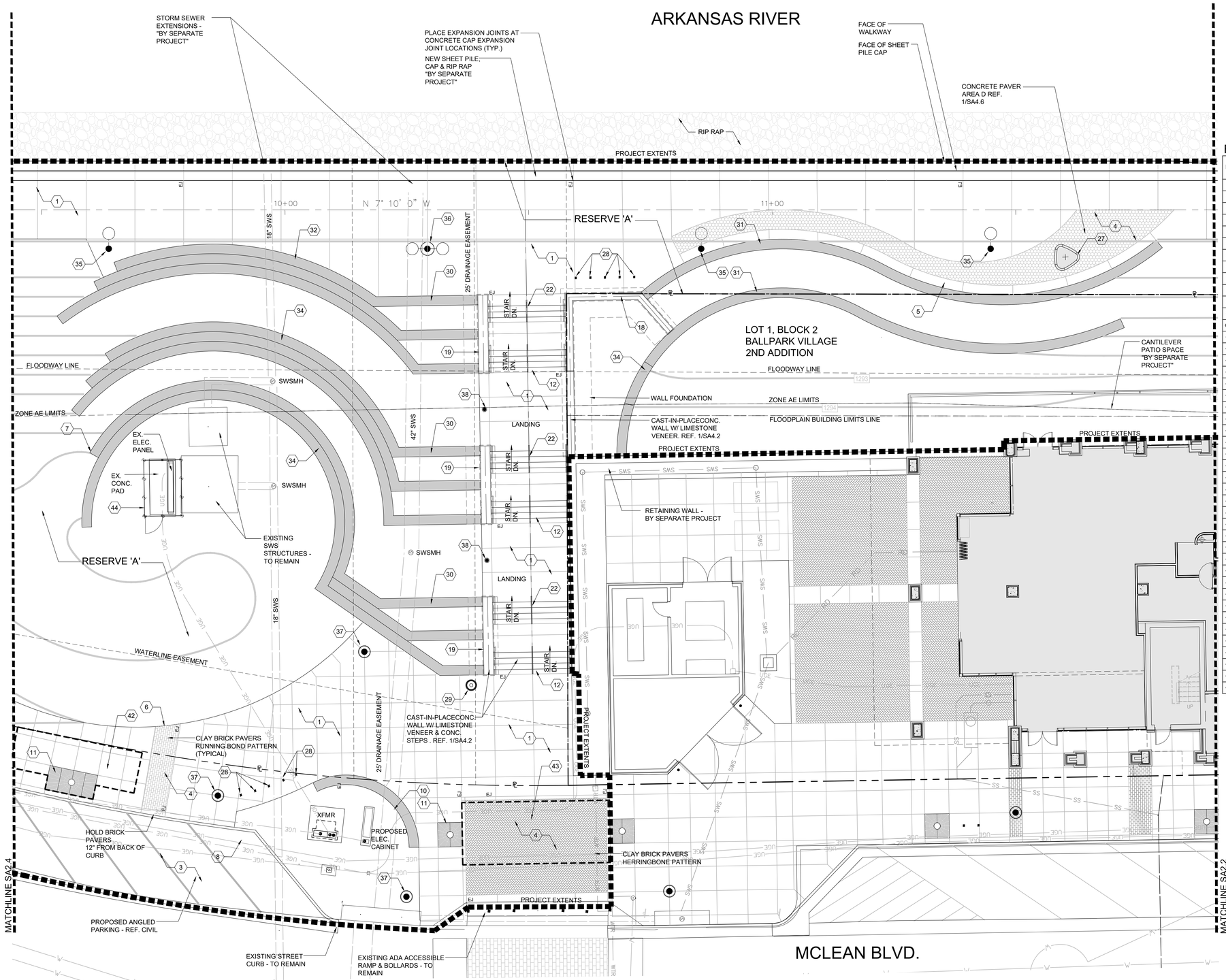
02.28.25

CONTACT: J. BEST
DRAWN: JB
CHECKED: J. BEST

PROJECT NUMBER:
24103

SHEET TITLE:
MATERIALS/
REFERENCE PLAN

SHEET NUMBER:
SA2.2



REFERENCE

KEY	DESCRIPTION	DETAIL
1	5" PLAIN CONCRETE PAVING	1/SA5.1
2	4" PLAIN CONCRETE PAVING	2/SA5.1
3	7" REINF. CONCRETE PAVING	REF. CIVIL
4	PAVERS ON CONCRETE	6/SA5.1
5	CONCRETE PAVER BORDER	7/SA5.1
6	PAVER RESTRAINT	8/SA5.1
7	4" INTEGRAL CURB	9/SA5.1
8	6" STANDARD CURB & GUTTER	REF. CIVIL
9	ACCESSIBLE RAMP	10/SA5.1
10	LIMESTONE SEATWALL	11/SA5.1
11	TREE WELL & GRATE	1/SA5.2
12	STAIR DETAIL 'A'	2/SA5.2
13	STAIR DETAIL 'B'	3/SA5.2
14	STAIR DETAIL 'C'	4/SA5.3
15	SITE WALL 'A' - CONCRETE	4/SA5.2
16	SITE WALL 'B' - COLORED CONCRETE	5/SA5.2
17	SITE WALL 'C' - LIMESTONE VENEER	6/SA5.2
18	SITE WALL 'D' LIMESTONE VENEER	7/SA5.2
19	SITE WALL 'E' LIMESTONE VENEER	8/SA5.2
20	SITE WALL 'F' COLORED CONCRETE	4/SA5.4
21	PILASTER WALL - STONE VENEER	2&3/SA5.4
22	STEP HANDRAIL 'A'	1/SA5.3
23	STEP HANDRAIL 'B'	2/SA5.3
24	RAMP & HANDRAIL	3/SA5.3
25	WALL GUARDRAIL	1/SA5.4
26	LIMESTONE LIGHT POLE BASE	4/SA5.5
27	GALET CONCRETE BENCH	5/SA5.5
28	BIKE RACK	7/SA5.5
29	TRASH RECEPTACLE	6/SA5.5
30	LIMESTONE LEDGE - SECTION 'A'	1/SA5.6
31	LIMESTONE LEDGE - SECTION 'B'	2/SA5.6
32	LIMESTONE LEDGE - SECTION 'C'	3/SA5.6
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34	LIMESTONE LEDGE - SECTION 'E'	5/SA5.6
35	LIGHT POLE 'A'	REF. ELEC.
36	LIGHT POLE 'B'	REF. ELEC.
37	LIGHT POLE 'C'	REF. ELEC.
38	LIGHT BOLLARD 'D'	REF. ELEC.
39	LIGHT POLE MOW STRIP	8/SA5.5
40	DOUGLAS BRIDGE GUARDRAIL	1/SA5.7
41	WATERMAN BRIDGE GUARDRAIL	2/SA5.7
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44	PUMP STATION ENCLOSURE	1&2/SA5.8

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RIVER CORRIDOR IMPROVEMENTS
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KEITH ALAN REIFF LICENSED LANDSCAPE ARCHITECT 1679 KANSAS LANDSCAPE ARCHITECT

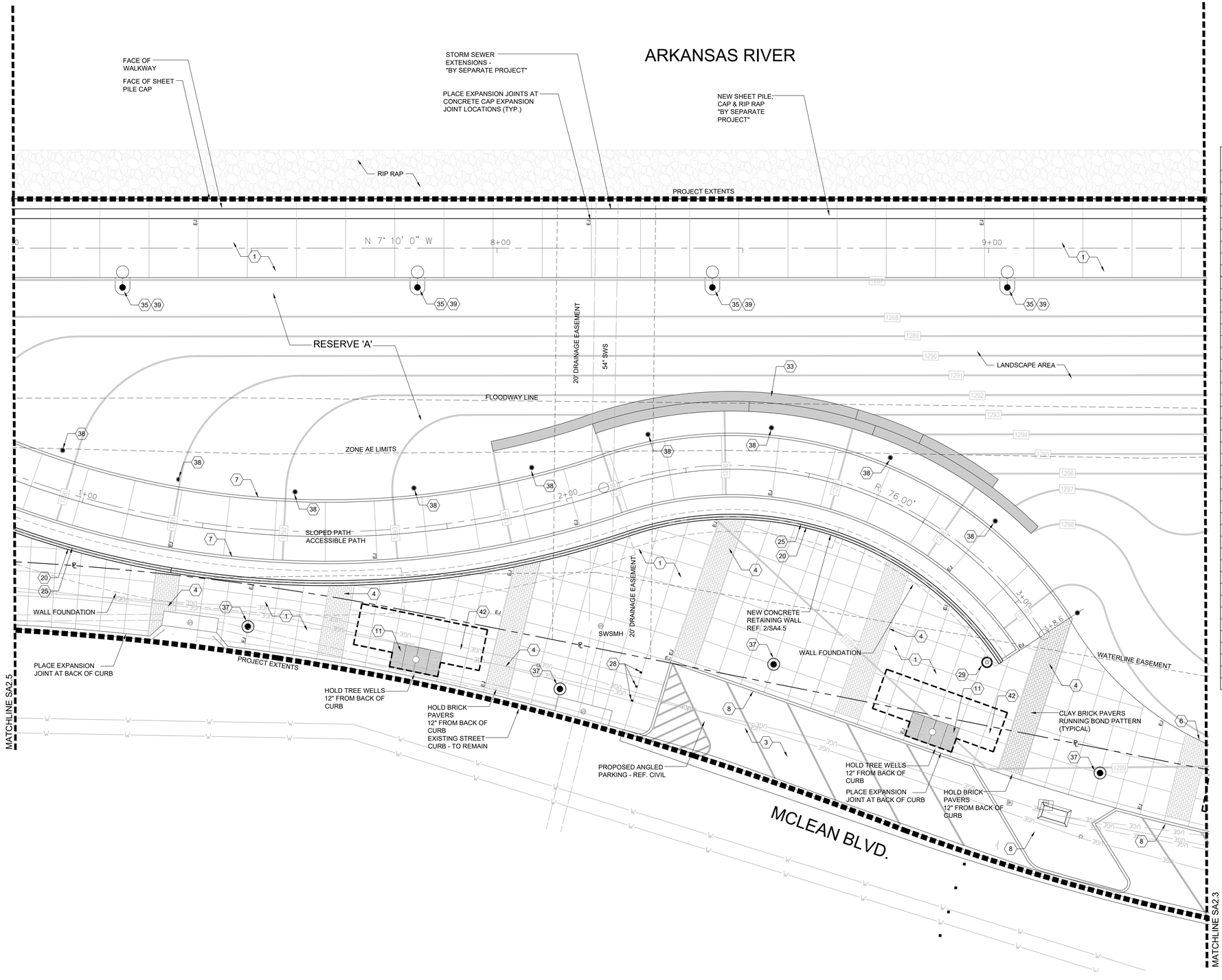
02.28.25

CONTACT: J. BEST
DRAWN: JB
CHECKED: J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: MATERIALS/ REFERENCE PLAN

SHEET NUMBER: SA2.3



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17	SITE WALL 'C' - LIMESTONE VENEER	6/SA5.2
18	SITE WALL 'D' LIMESTONE VENEER	7/SA5.2
19	SITE WALL 'E' LIMESTONE VENEER	8/SA5.2
20	SITE WALL 'F' COLORED CONCRETE	4/SA5.4
21	PILASTER WALL - STONE VENEER	2&3/SA5.4
22	STEP HANDRAIL 'A'	1/SA5.3
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24	RAMP & HANDRAIL	3/SA5.3
25	WALL GUARDRAIL	1/SA5.4
26	LIMESTONE LIGHT POLE BASE	4/SA5.5
27	GALET CONCRETE BENCH	5/SA5.5
28	BIKE RACK	7/SA5.5
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NORTH

0 5' 10' 20'

Scale: 1" = 10'-0"

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WEST BANK - RIVERFRONT
STADIUM
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JEFFREY ALAN BEST LICENSED LANDSCAPE ARCHITECT 1411679 KANSAS

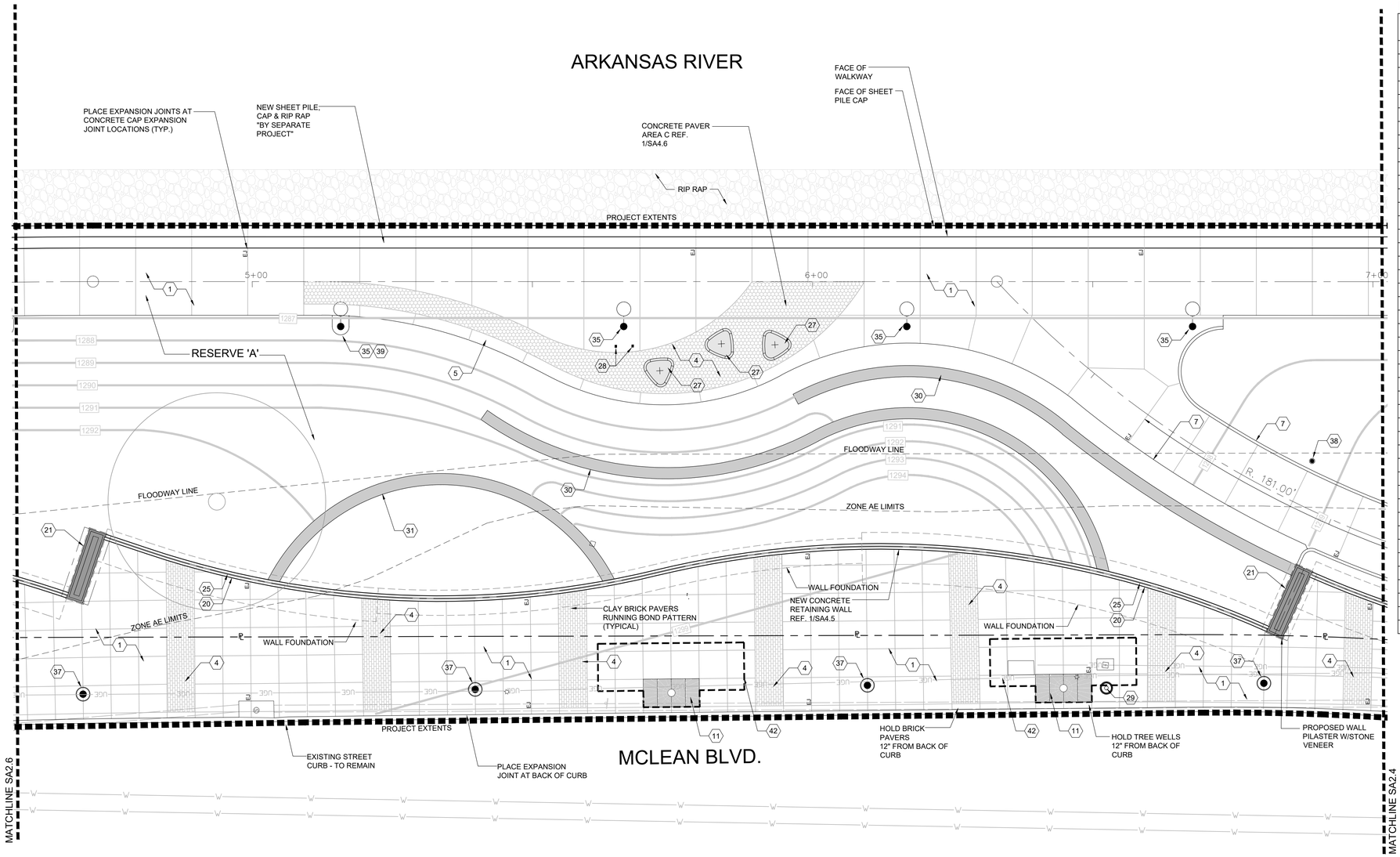
02.28.25

CONTACT: J. BEST
DRAWN: JB
CHECKED: J. BEST

PROJECT NUMBER:
24103

SHEET TITLE:
MATERIALS/
REFERENCE PLAN

SHEET NUMBER:
SA2.4



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WEST BANK - RIVERFRONT
STADIUM
WICHITA, KS

LK ARCHITECTURE
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JEFFREY ALAN BEST
LICENSED
11-14-679
KANSAS
LANDSCAPE ARCHITECT

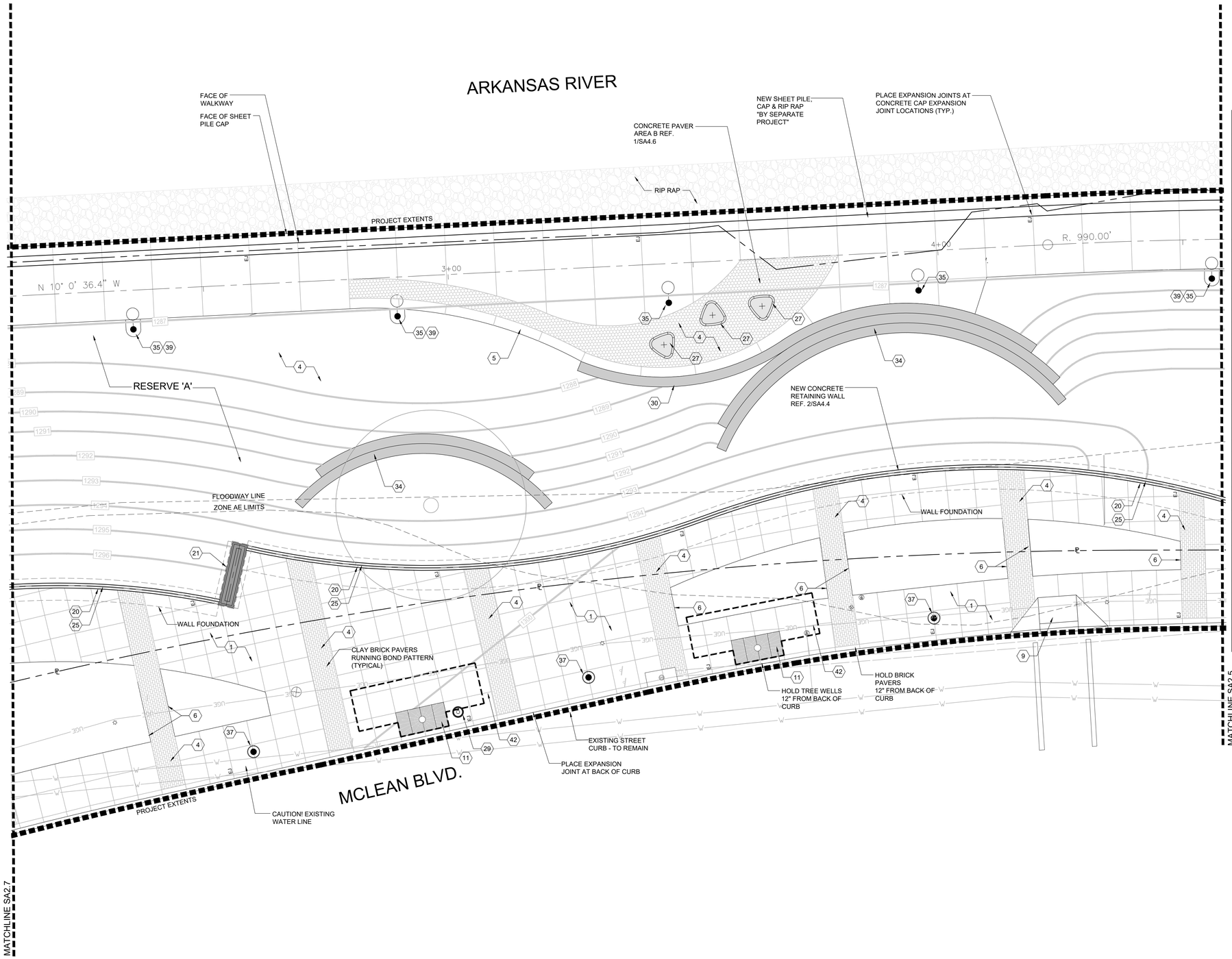
02.28.25

CONTACT: J. BEST
DRAWN: JB
CHECKED: J. BEST

PROJECT NUMBER:
24103

SHEET TITLE:
MATERIALS/
REFERENCE PLAN

SHEET NUMBER:
SA2.5



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NORTH

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WICHITA, KS

LK ARCHITECTURE
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JEFFREY ALAN BEST LICENSED LANDSCAPE ARCHITECT 2014679 KANSAS

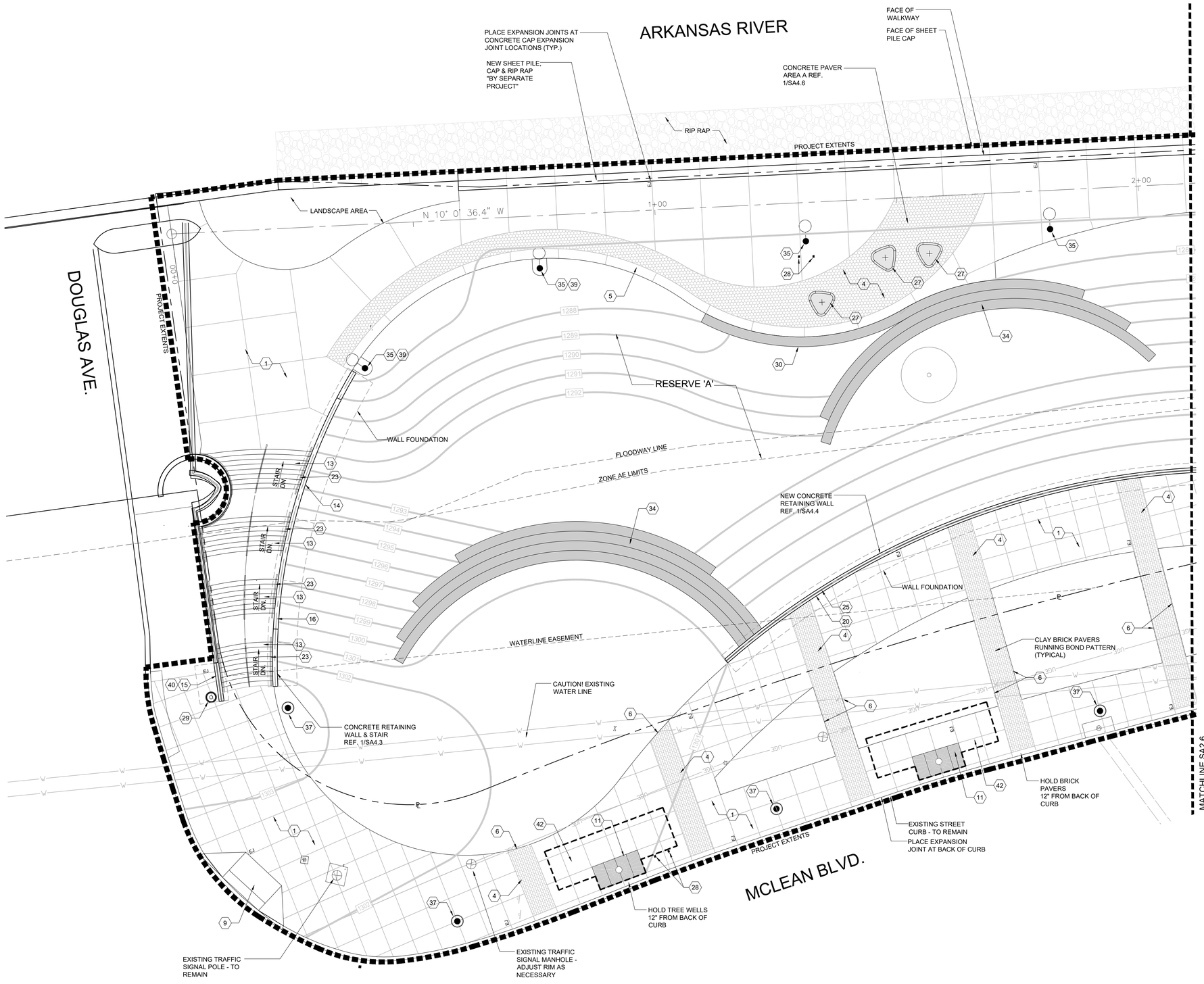
02.28.25

CONTACT: J. BEST
DRAWN: JB
CHECKED: J. BEST

PROJECT NUMBER:
24103

SHEET TITLE:
MATERIALS/
REFERENCE PLAN

SHEET NUMBER:
SA2.6



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LK ARCHITECTURE
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JEFFREY ALAN BEST LICENSED LANDSCAPE ARCHITECT 1414679 KANSAS

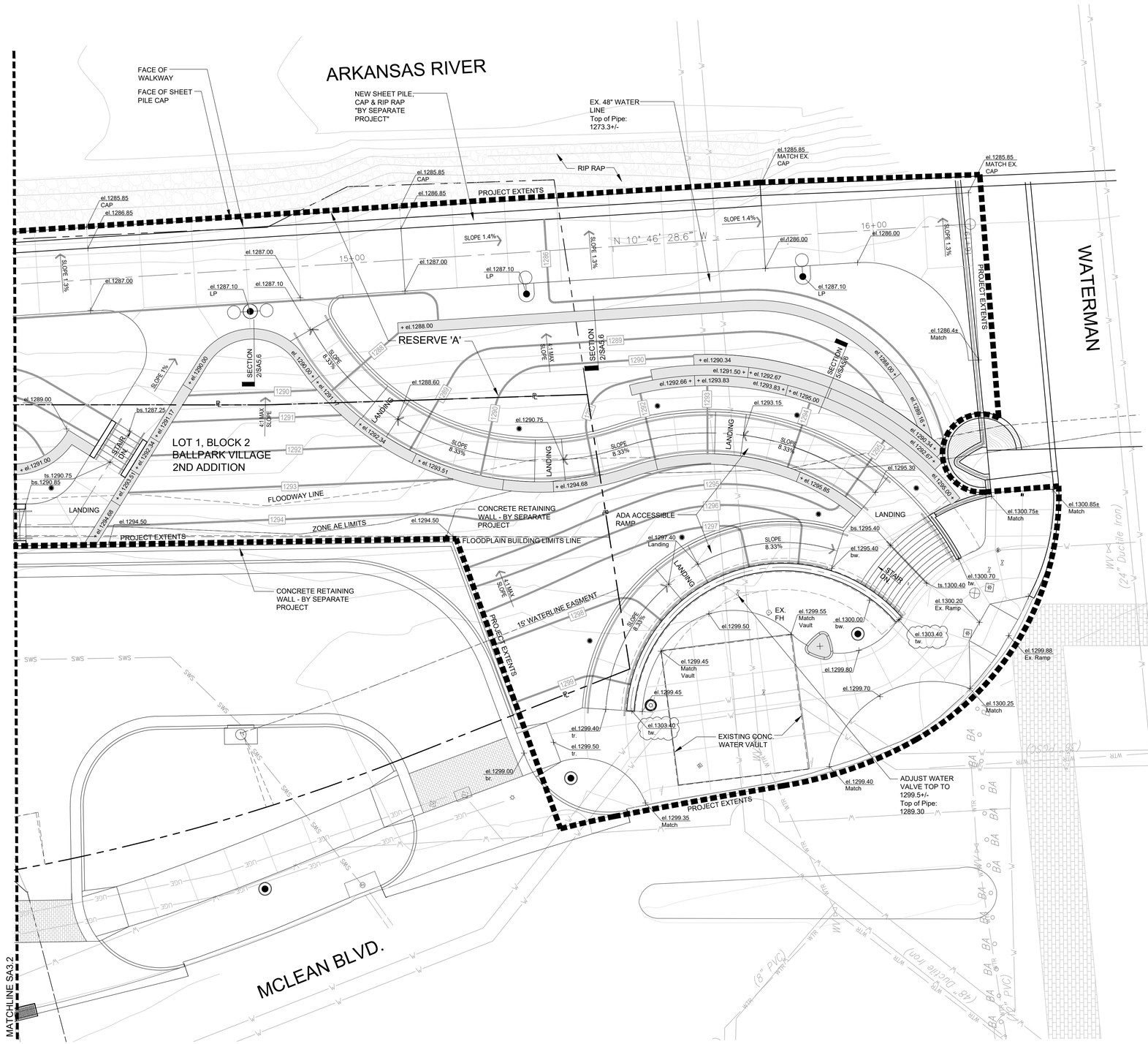
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: MATERIALS/ REFERENCE PLAN

SHEET NUMBER: SA2.7



Stormwater Certification:
New Development or (Redevelopment) (Circle One)

Stormwater Permit # N/A

NOI Permit # S-LA20-0111 KSR122496

These construction plans were prepared in accordance with the current Stormwater management Regulations as set forth in the City of Wichita's Stormwater Management Ordinance 16.32 and the policies/guidelines presented in the Wichita/Sedgwick County Stormwater Manual.

Site Area (Acres) = 4.3 Acres

Disturbed Area (Acres) = 4.3 Acres

Water Quality Treatment: Offsite BMP Program

Downstream Channel Protection: N/A

Detention: Existing Arkansas River

The BMP used for this development is Offsite BMP Program

PROJECT AREA: 4.30 ACRES
PRE-DEVELOPMENT IMPERVIOUS AREA: 36,626 SF (.84 ACRES)
POST-DEVELOPMENT IMPERVIOUS AREA: 73,158 SF (1.68 ACRES)
INCREASE IN IMPERVIOUS AREA: 36,532 SF (.84 ACRES)

BACKFILL NOTES

1. REFERENCE GEOTECHNICAL REPORT & SPECIFICATIONS FOR GENERAL AND SPECIFIC REQUIREMENTS FOR GRADING AND BACKFILLING ACTIVITIES.
2. SPOT ELEVATIONS SHOWN ARE FOR FINISHED GRADE.
3. LOW-VOLUME CHANGE BACKFILL MATERIAL BEHIND PROPOSED CONCRETE RETAINING WALLS SHALL BE COMPACTED TO 95% MIN. DENSITY.
4. CONCRETE FOUNDATION WALL BACKFILL SHALL BE PLACED PER 5.2.5 OF THE GEOTECHNICAL REPORT.
5. BACKFILL TO RAISE EXISTING GRADE TO SUPPORT CONCRETE RETAINING WALL FOUNDATIONS SHALL BE COMPACTED TO 95% MIN. DENSITY PER SECTION 5.2.4 OF THE GEOTECHNICAL REPORT.
6. LANDSCAPE AREAS TO BE COMPACTED TO 85%.
7. PAVEMENT SUBGRADES TO BE COMPACTED TO 95%
8. BACKFILL SHALL BE TESTED AS PER THE REQUIREMENTS IN THE SPECIAL PROVISIONS

GRADING NOTES

1. EARTHWORK OPERATIONS SHALL LEAVE THE LANDSCAPE AREAS 6" BELOW FINISH ELEVATION TO ALLOW FOR 6" OF APPROVED TOPSOIL TO BE PLACED.
2. FIELD VERIFY GRADES AND SLOPES. ANY DISCREPANCIES OR INCONSISTENCIES SHOULD BE BROUGHT TO THE CITY'S ATTENTION PRIOR TO PLACEMENT OF FINISHED MATERIALS.
3. ALL PAVED AREAS SHALL BE COMPLIANT WITH ADA REQUIREMENTS.
4. GRADE SLOPES AS INDICATED ON THE PLANS. NO PAVEMENT SLOPES SHALL EXCEED 4.9% LONGITUDINAL AND 1.9% IN CROSS SLOPE .
5. ALL AREAS TO HAVE POSITIVE DRAINAGE. DEPRESSIONS AND LOW AREAS MUST BE CORRECTED TO ENSURE NO PONDING OCCURS.
6. LOW AREAS AND DEPRESSIONS IN FINSHED PAVEMENT AREAS SHALL BE REMOVED AND CORRECTED.
7. SITE GRADING WILL NOT CAUSE ADDITIONAL ADVERSE DRAINAGE IMPACTS ONTO NEIGHBORING PROPERTIES.

GRADING LEGEND

ex.	EXISTING ELEVATION
el.	FINISH GRADE ELEVATION
el.	TOP OF STEP ELEVATION
bs.	BOTTOM OF STEP ELEVATION
tw.	TOP OF WALL ELEVATION
bw.	BOTTOM OF WALL ELEVATION
tc.	TOP OF CURB
bc.	BOTTOM OF CURB
tr.	TOP OF RAMP
br.	BOTTOM OF RAMP

NORTH

0 5' 10' 20'

Scale: 1" = 10'-0"

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JEFFREY ALLEN BEST LICENSED A-1411679 KANSAS LANDSCAPE ARCHITECT

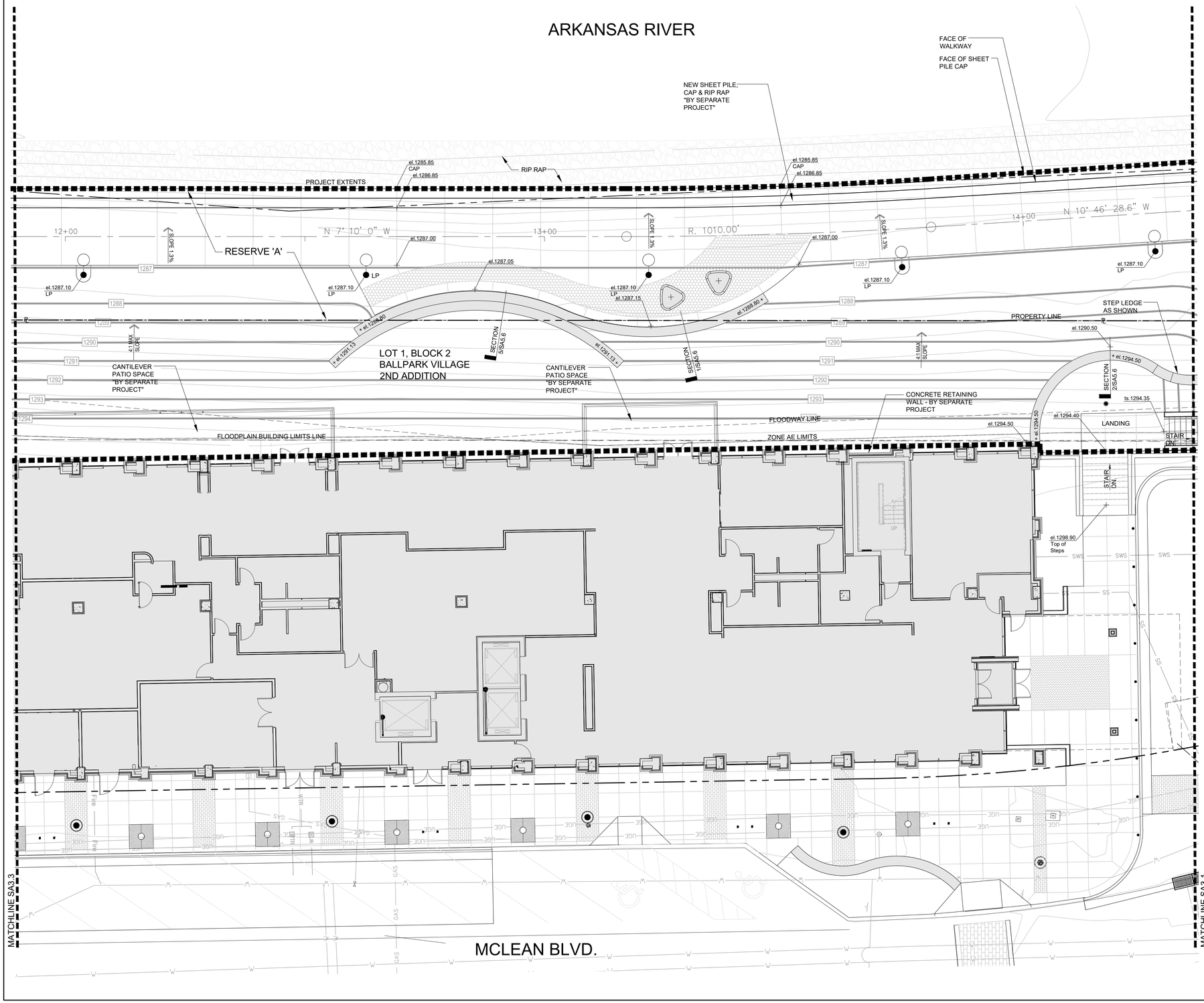
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: SITE GRADING PLAN

SHEET NUMBER: SA3.1



BACKFILL NOTES

1. REFERENCE GEOTECHNICAL REPORT & SPECIFICATIONS FOR GENERAL AND SPECIFIC REQUIREMENTS FOR GRADING AND BACKFILLING ACTIVITIES.
2. SPOT ELEVATIONS SHOWN ARE FOR FINISHED GRADE.
3. LOW-VOLUME CHANGE BACKFILL MATERIAL BEHIND PROPOSED CONCRETE RETAINING WALLS SHALL BE COMPACTED TO 95% MIN. DENSITY.
4. CONCRETE FOUNDATION WALL BACKFILL SHALL BE PLACED PER 5.2.5 OF THE GEOTECHNICAL REPORT.
5. BACKFILL TO RAISE EXISTING GRADE TO SUPPORT CONCRETE RETAINING WALL FOUNDATIONS SHALL BE COMPACTED TO 95% MIN. DENSITY PER SECTION 5.2.4 OF THE GEOTECHNICAL REPORT.
6. LANDSCAPE AREAS TO BE COMPACTED TO 85%.
7. PAVEMENT SUBGRADES TO BE COMPACTED TO 95%
8. BACKFILL SHALL BE TESTED AS PER THE REQUIREMENTS IN THE SPECIAL PROVISIONS

GRADING NOTES

1. EARTHWORK OPERATIONS SHALL LEAVE THE LANDSCAPE AREAS 6" BELOW FINISH ELEVATION TO ALLOW FOR 6" OF APPROVED TOPSOIL TO BE PLACED.
2. FIELD VERIFY GRADES AND SLOPES. ANY DISCREPANCIES OR INCONSISTENCIES SHOULD BE BROUGHT TO THE CITY'S ATTENTION PRIOR TO PLACEMENT OF FINISHED MATERIALS.
3. ALL PAVED AREAS SHALL BE COMPLIANT WITH ADA REQUIREMENTS.
4. GRADE SLOPES AS INDICATED ON THE PLANS. NO PAVEMENT SLOPES SHALL EXCEED 4.9% LONGITUDINAL AND 1.9% IN CROSS SLOPE .
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tc.	TOP OF CURB
bc.	BOTTOM OF CURB
tr.	TOP OF RAMP
br.	BOTTOM OF RAMP

NORTH

0 5' 10' 20'

Scale: 1" = 10'-0"

PRINTS ISSUED

DATE	PURPOSE	NO.
01.15.25	PERMIT REVIEW	
02.28.25	FOR BID/CONSTRUCTION	

RIVER CORRIDOR IMPROVEMENTS
WEST BANK - RIVERFRONT
STADIUM
WICHITA, KS

LK ARCHITECTURE
345 Riverview, Suite 200, Wichita, KS 67203
T 316.268.0230 F 316.268.0205

JEFFREY A. BEST LICENSED LANDSCAPE ARCHITECT 1679 KANSAS

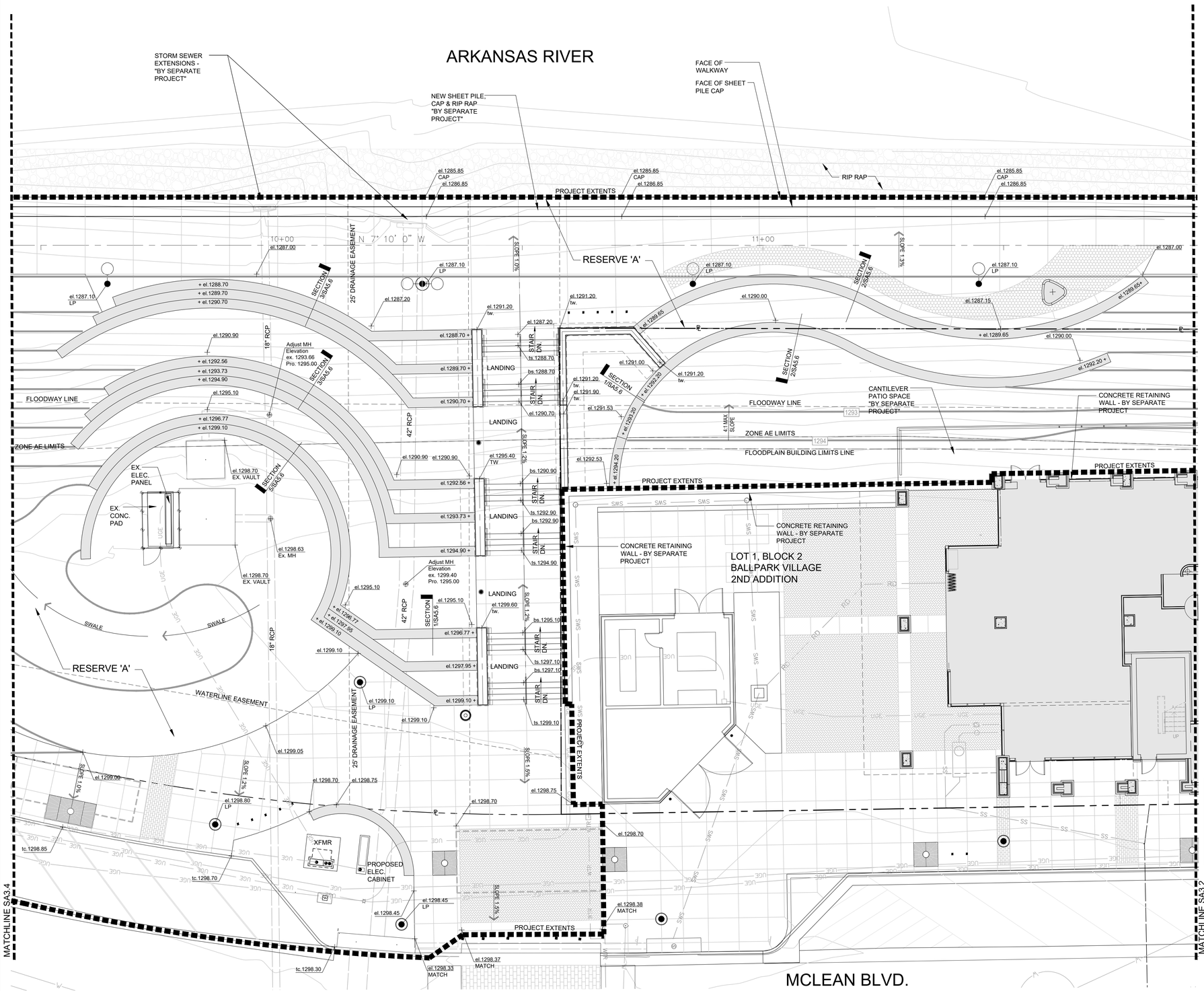
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER:
24103

SHEET TITLE:
SITE GRADING PLAN

SHEET NUMBER:
SA3.2



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JEFFREY ALAN JAB LICENSED 11-1679 KANSAS LANDSCAPE ARCHITECT

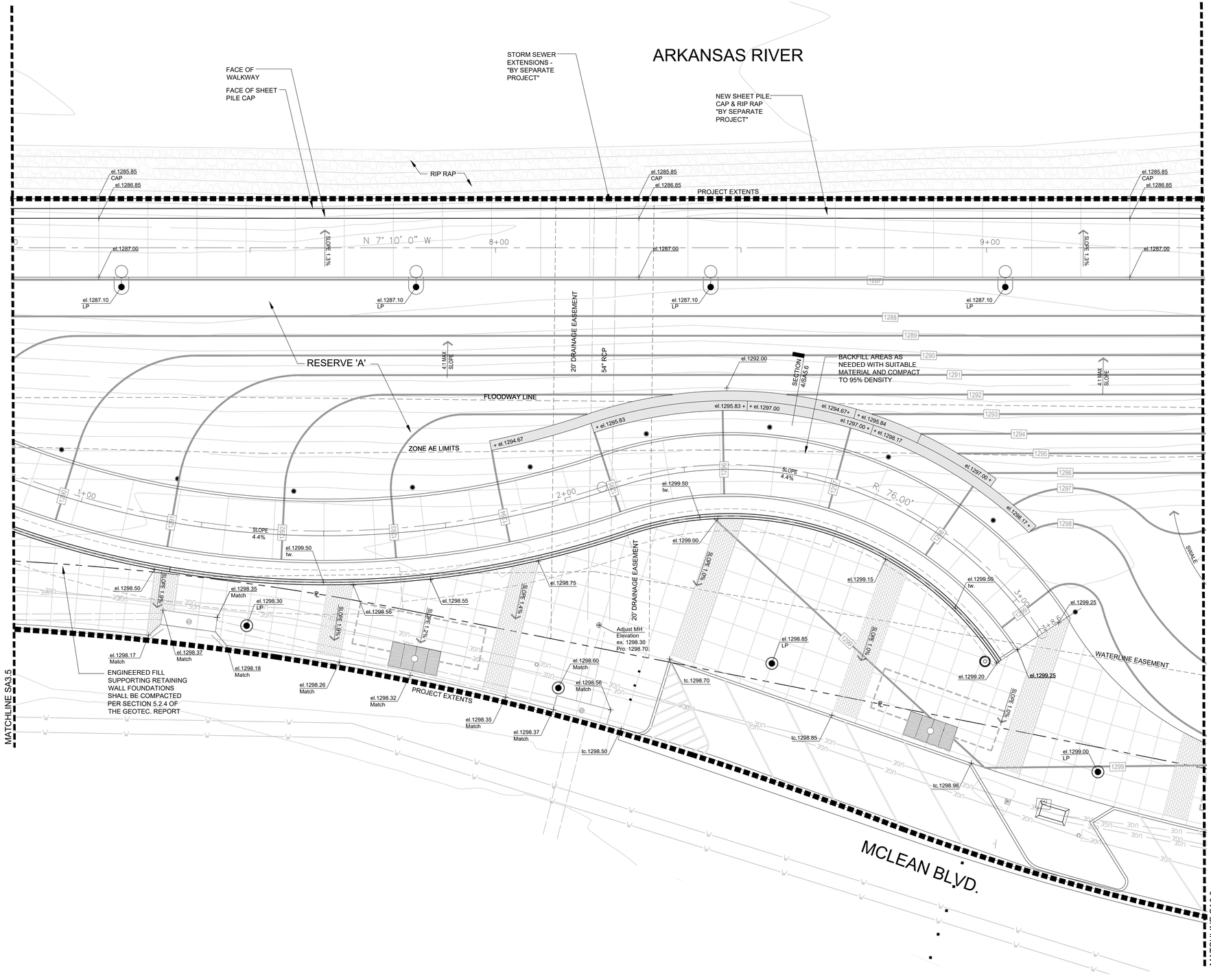
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: SITE GRADING PLAN

SHEET NUMBER: SA3.3



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JEFFREY ALAN BEST LICENSED LANDSCAPE ARCHITECT 1679 KANSAS

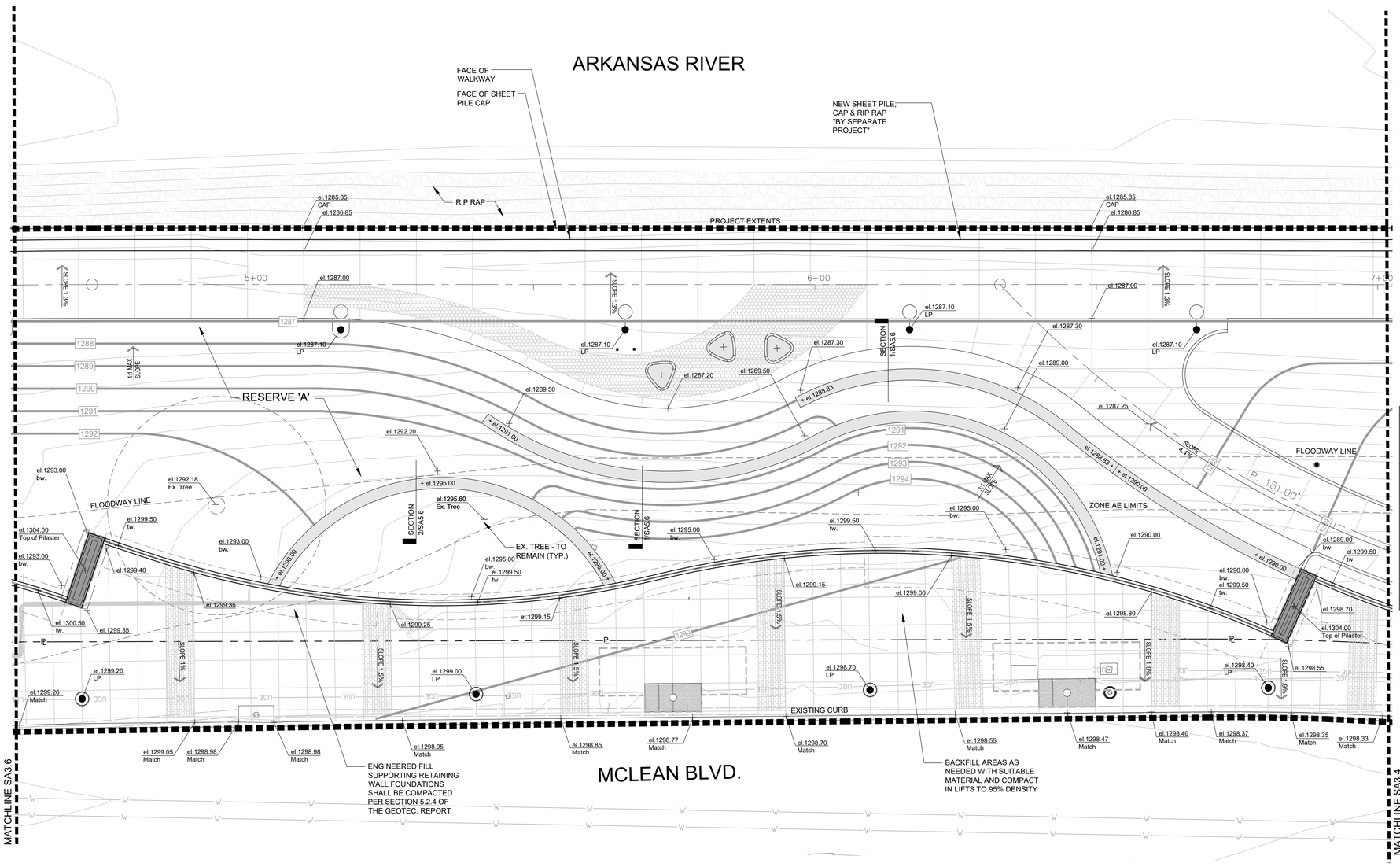
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER:
24103

SHEET TITLE:
SITE GRADING PLAN

SHEET NUMBER:
SA3.4



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WEST BANK - RIVERFRONT STADIUM
WICHITA, KS

LK ARCHITECTURE
345 Riverview, Suite 200, Wichita, KS 67203
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JEFFREY ALAN BEST LICENSED LANDSCAPE ARCHITECT 1679 KANSAS

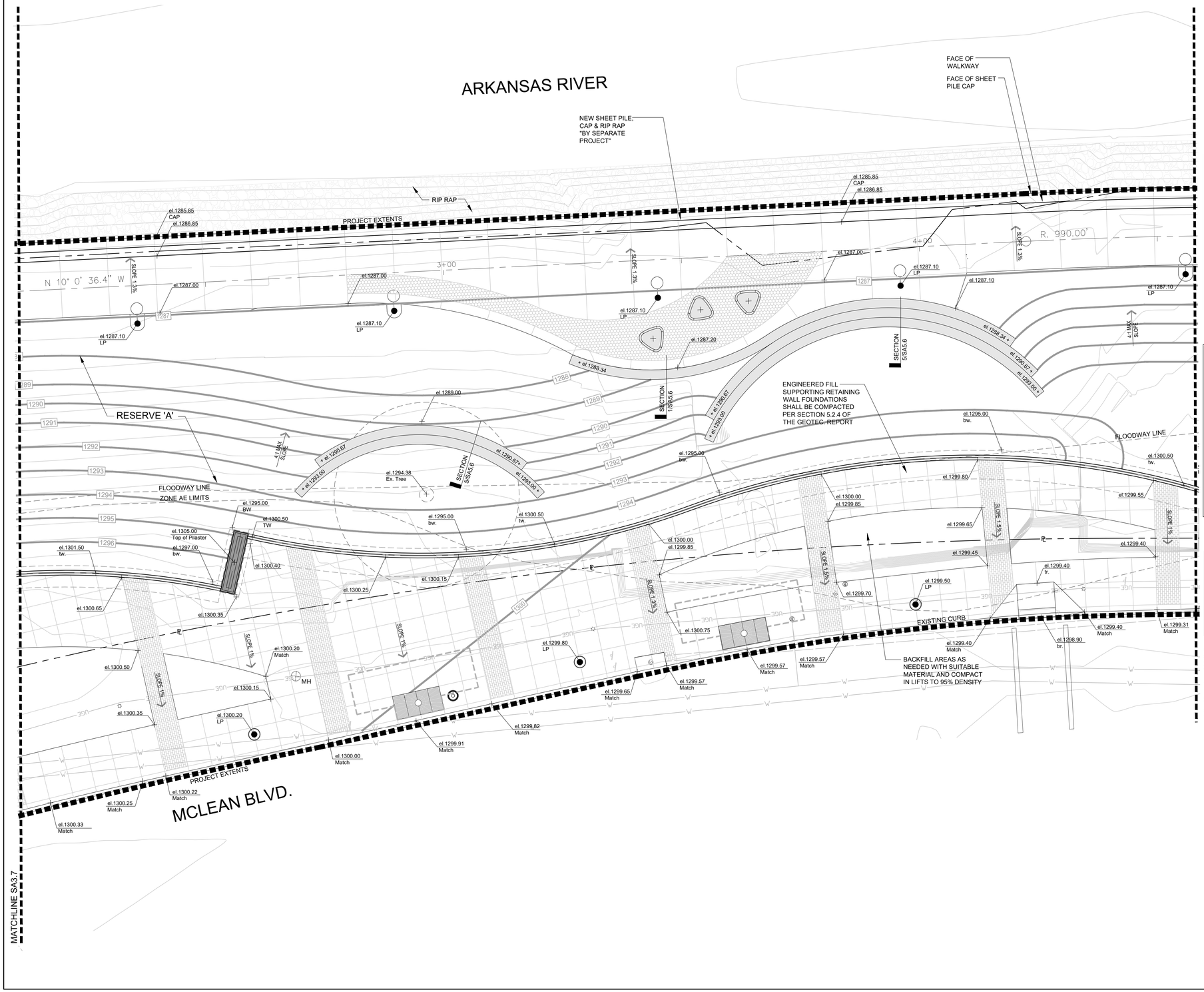
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: SITE GRADING PLAN

SHEET NUMBER: SA3.5



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WICHITA, KS

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345 Riverview, Suite 200, Wichita, KS 67203
T 316.268.0230 F 316.268.0205

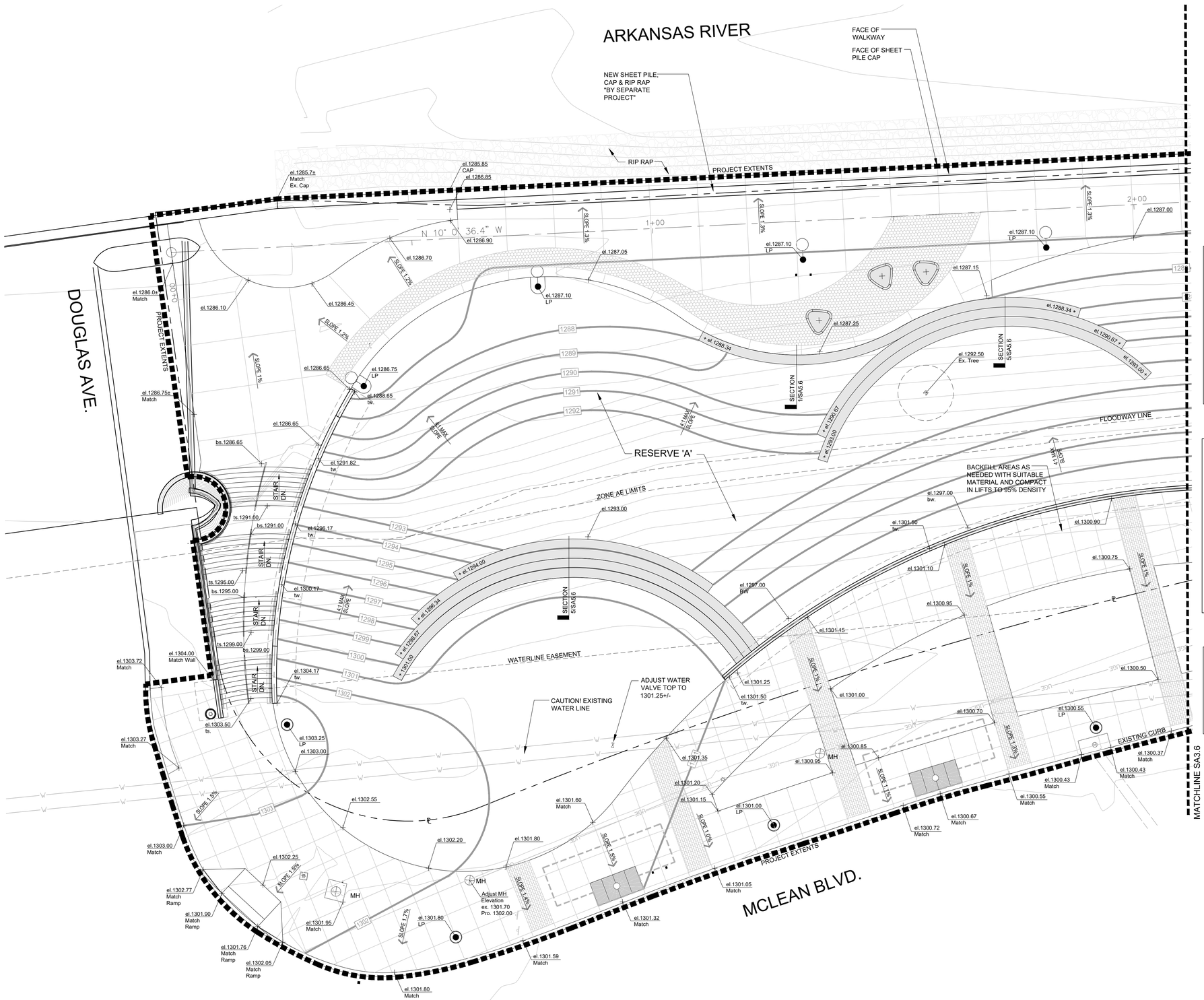
JEFFREY ALAN BEST LICENSED LANDSCAPE ARCHITECT 1679 KANSAS
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: SITE GRADING PLAN

SHEET NUMBER: SA3.6



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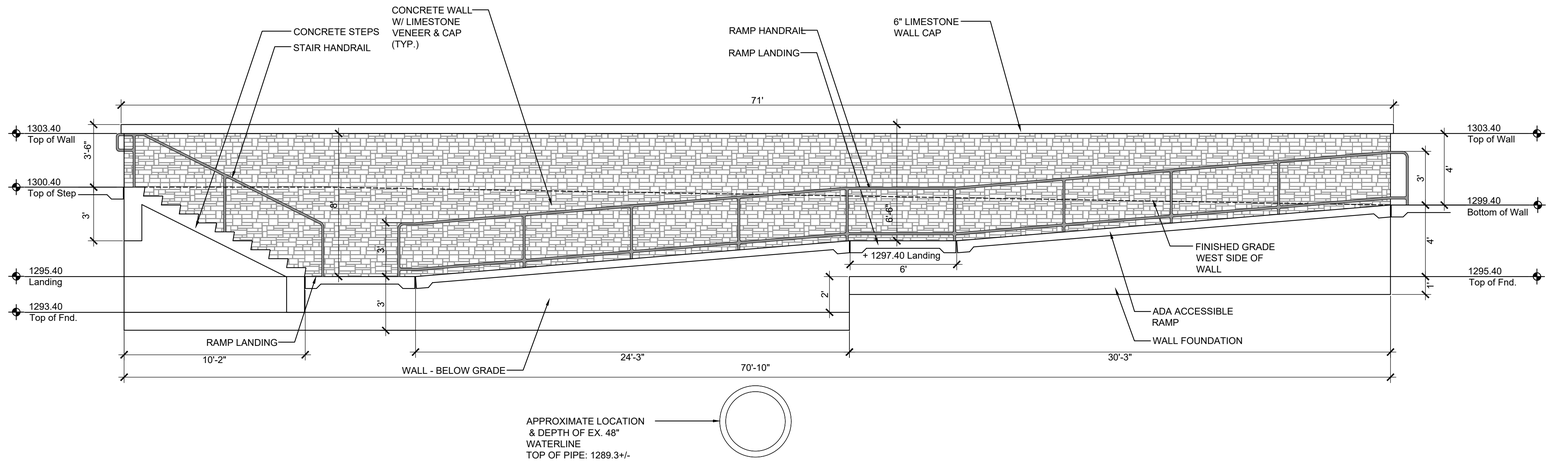
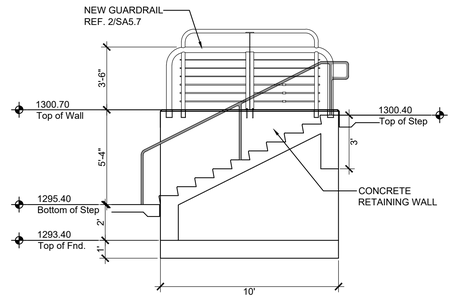
JEFFREY ALAN KEY LICENSED LANDSCAPE ARCHITECT 1679 KANSAS

02.28.25

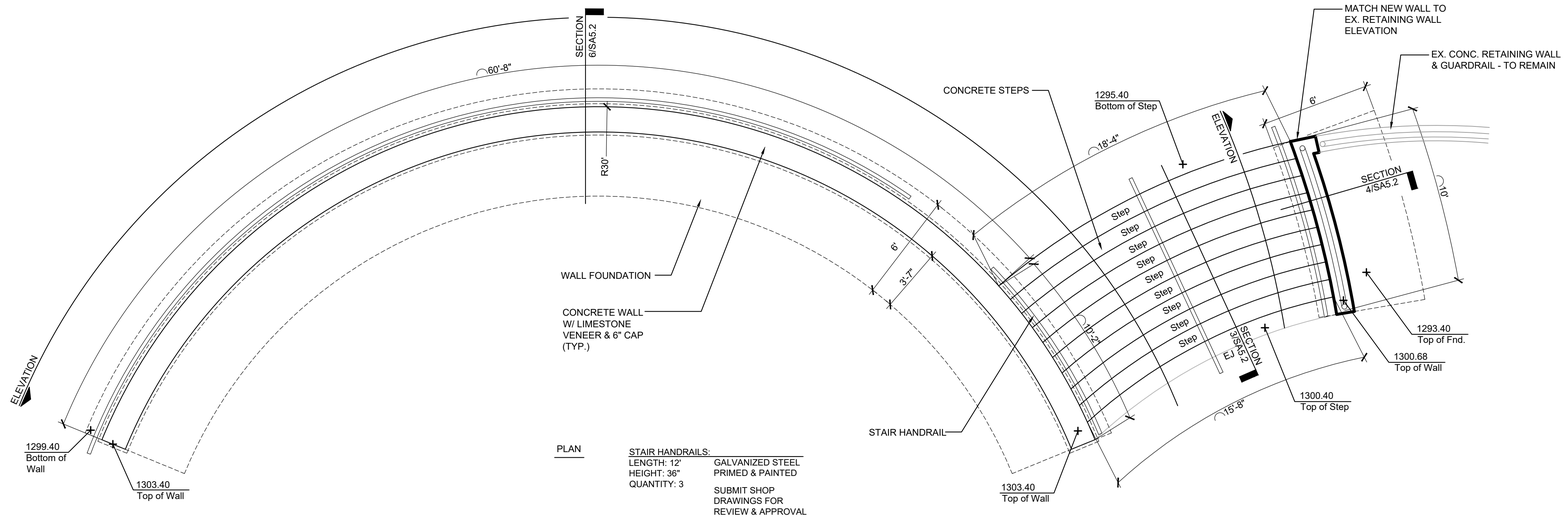
CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST
PROJECT NUMBER: 24103
SHEET TITLE: SITE GRADING PLAN
SHEET NUMBER: SA3.7



WEST WALL ELEVATION



EAST WALL ELEVATION



PLAN

STAIR HANDRAILS:
LENGTH: 12'
HEIGHT: 36"
QUANTITY: 3

GALVANIZED STEEL
PRIMED & PAINTED

SUBMIT SHOP DRAWINGS FOR REVIEW & APPROVAL

1 ENLARGED PLAN - WATERMAN & McLEAN

1/4" = 1'-0"

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JEFFREY ALAN BEST
LICENSED
14679
KANSAS
LANDSCAPE ARCHITECT

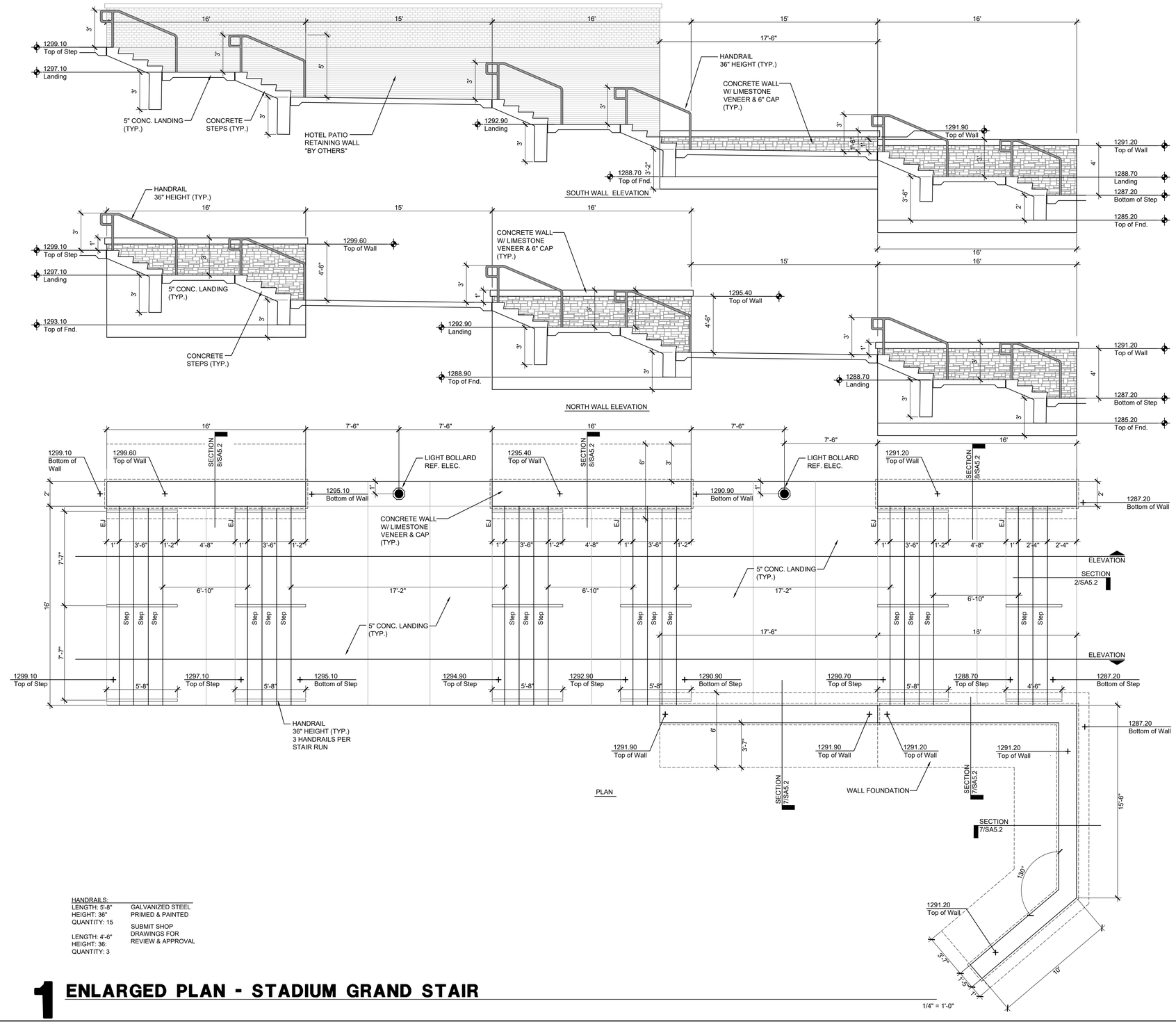
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: ENLARGED PLANS & ELEVATIONS

SHEET NUMBER: SA4.1



HANDRAILS:

LENGTH: 5'-8"	GALVANIZED STEEL
HEIGHT: 36"	PRIMED & PAINTED
QUANTITY: 15	
	SUBMIT SHOP
LENGTH: 4'-6"	DRAWINGS FOR
HEIGHT: 36:	REVIEW & APPROVAL
QUANTITY: 3	

1 ENLARGED PLAN - STADIUM GRAND STAIR

1/4" = 1'-0"

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11679
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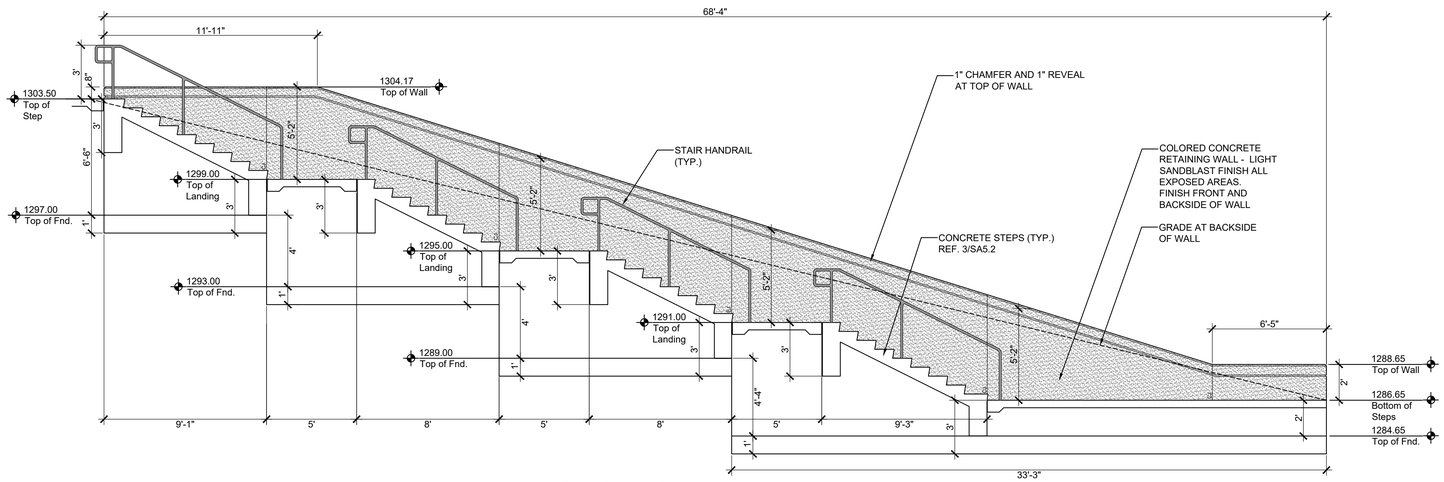
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

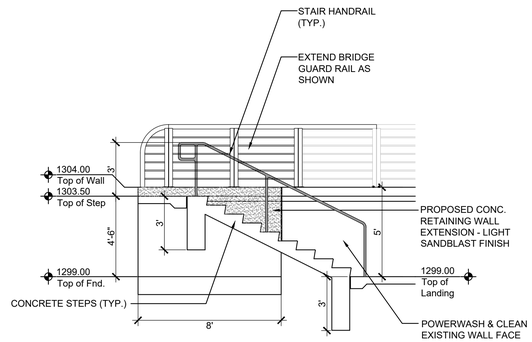
PROJECT NUMBER: 24103

SHEET TITLE: ENLARGED PLANS & ELEVATIONS

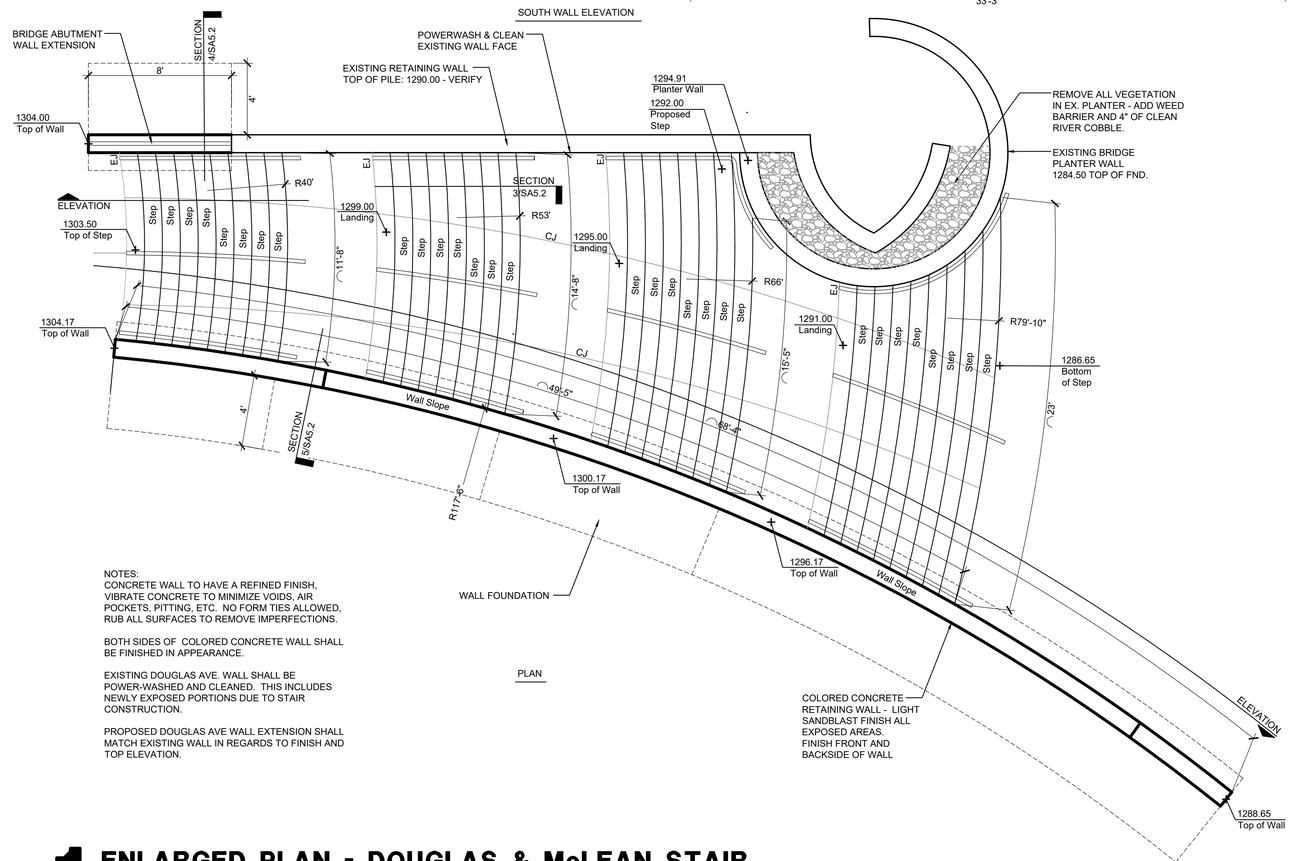
SHEET NUMBER: SA4.2



SOUTH WALL ELEVATION



NORTH WALL ELEVATION



NOTES:
CONCRETE WALL TO HAVE A REFINED FINISH, VIBRATE CONCRETE TO MINIMIZE VOIDS, AIR POCKETS, PITTING, ETC. NO FORM TIES ALLOWED, RUB ALL SURFACES TO REMOVE IMPERFECTIONS.

BOTH SIDES OF COLORED CONCRETE WALL SHALL BE FINISHED IN APPEARANCE.

EXISTING DOUGLAS AVE. WALL SHALL BE POWER-WASHED AND CLEANED. THIS INCLUDES NEWLY EXPOSED PORTIONS DUE TO STAIR CONSTRUCTION.

PROPOSED DOUGLAS AVE WALL EXTENSION SHALL MATCH EXISTING WALL IN REGARDS TO FINISH AND TOP ELEVATION.

1 ENLARGED PLAN - DOUGLAS & McLEAN STAIR

1/4" = 1'-0"

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02.28.25	FOR BID/CONSTRUCTION	

RIVER CORRIDOR IMPROVEMENTS
WEST BANK - RIVERFRONT
STADIUM
WICHITA, KS

LK ARCHITECTURE
345 Riverview, Suite 200, Wichita, KS 67203
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JEFFREY ALAN LEWIS
LICENSED
2011879
KANSAS
LANDSCAPE ARCHITECT

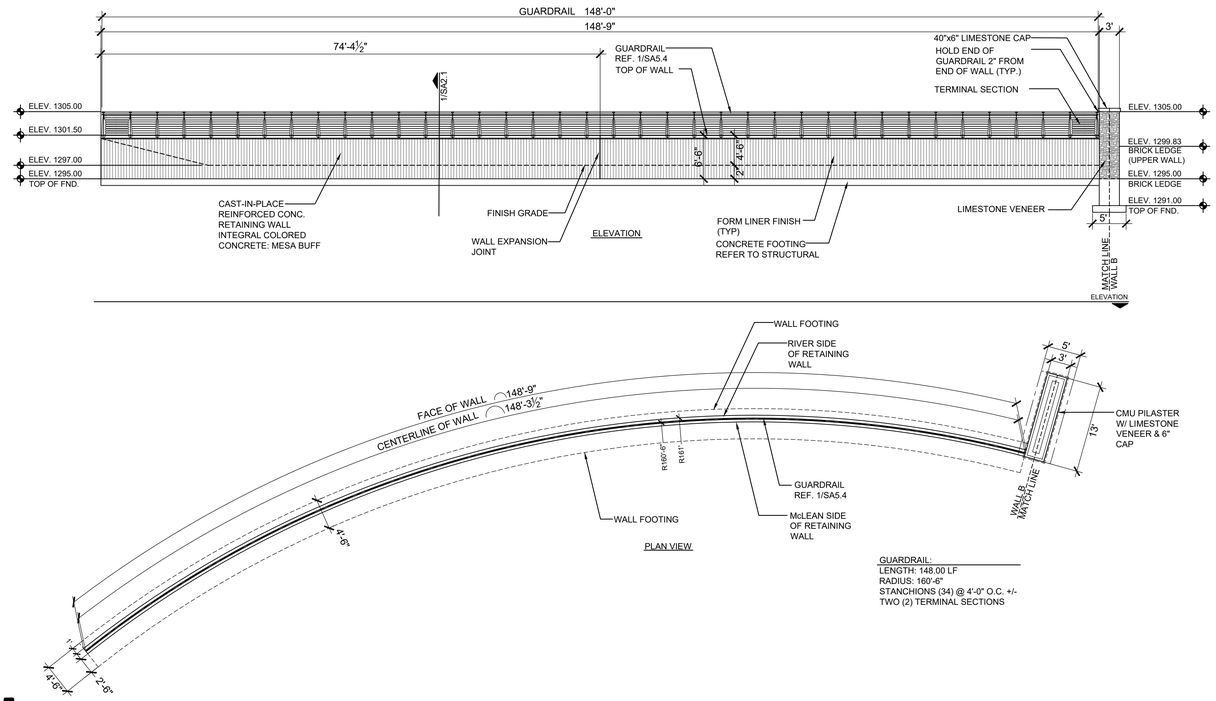
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: ENLARGED PLANS & ELEVATIONS

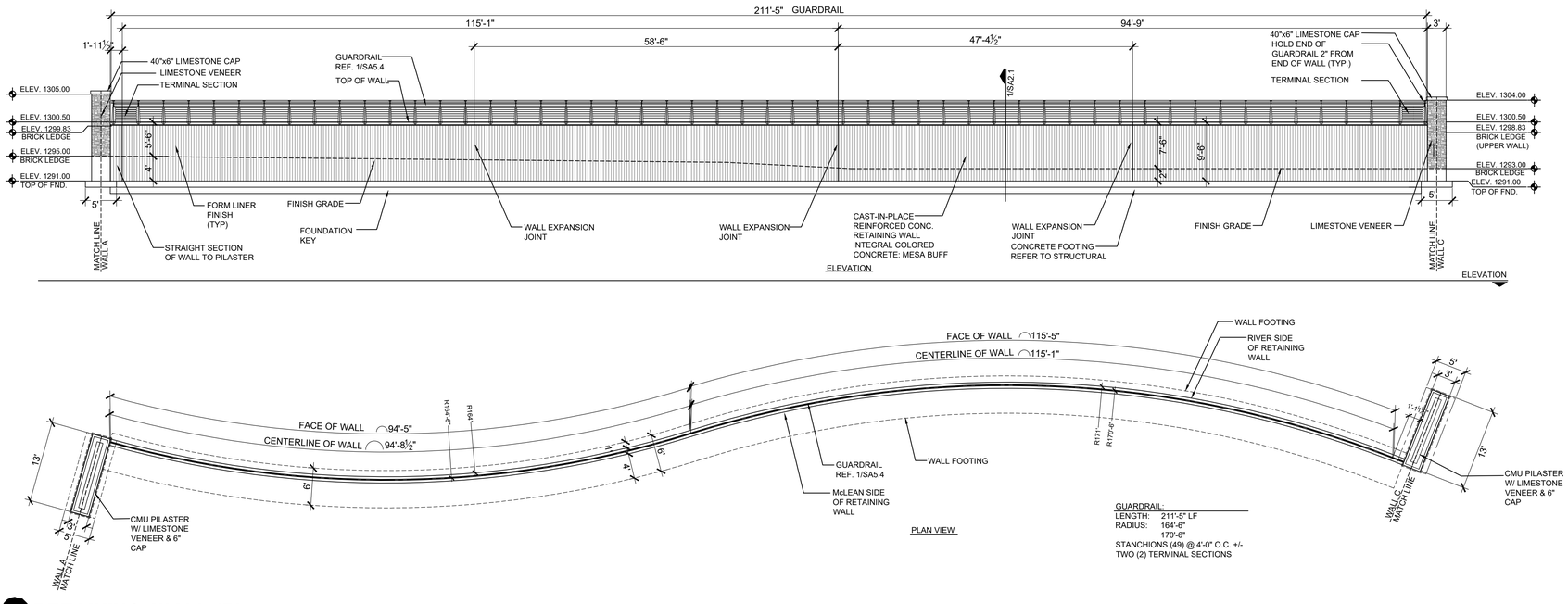
SHEET NUMBER: SA4.3



1 RETAINING WALL 'A'

- PROVIDE SHOP DRAWING OF LIMESTONE & FORMLINER FOR APPROVAL.
- SUBMIT GUARDRAIL SHOP DRAWINGS FOR REVIEW & APPROVAL
- REFER TO STRUCTURAL DRAWINGS FOR WALL SECTIONS

scale: $\frac{3}{32}$" = 1'-0"



2 RETAINING WALL 'B'

- PROVIDE SHOP DRAWING OF LIMESTONE & FORMLINER FOR APPROVAL.
- SUBMIT GUARDRAIL SHOP DRAWINGS FOR REVIEW & APPROVAL
- REFER TO STRUCTURAL DRAWINGS FOR WALL SECTIONS

scale: $\frac{3}{32}$" = 1'-0"

RETAINING WALL GENERAL NOTES:

1. CONCRETE WALLS SHALL BE CONSISTENT AND FREE OF IMPERFECTIONS IN THE FINISH. CONCRETE SHALL BE ADEQUATELY VIBRATED TO REMOVE AIR POCKETS AND FULLY CONSOLIDATE THE CONCRETE.
2. CONCRETE WALLS SHALL BE FORMED IN A MANNER TO RESULT IN SMOOTH ARCS. NO FLAT SECTIONS IN THE FINISHED PRODUCT WILL BE ACCEPTED.
3. FORM TIE HOLES SHALL BE PATCHED TO MATCH WALL COLOR.
4. RETAINING WALL SHALL BE INTEGRALLY COLORED CONCRETE. COLOR SHALL BE CONSISTENT THROUGHOUT THE RETAINING WALL AND BETWEEN SEPERATE CONCRETE POURS
   INTEGRAL COLOR: DAVIS COLOR MESA BUFF (5447)
   3700 EAST OLYMPIC BLVD.
   LOS ANGELES, CA 90023
   OR APPROVED EQUIVALENT
5. RIVER SIDE OF CONCRETE WALLS SHALL HAVE A FORM LINER PATTERNED FINISH AS INDICATED IN THE WALL PROFILES. FORM LINER SHALL BE DEPRESSED INTO WALL SURFACE
   FORM LINER: 14674 FLUTED RIB (1" DEPTH, 6" On Center)
   FITZGERALD FORMLINERS
   1500 E. CHESTNUT AVE
   SANTA ANA, CA 92701
   OR APPROVED EQUIVALENT
6. ALL CONCRETE RETAINING WALLS SHALL HAVE A LIQUID COLD-APPLIED ELASTOMERIC WATERPROOFING MEMBRANE APPLIED TO THE EARTH SIDE PER MANUFACTURER SPECIFICATIONS AND GUIDELINES INCLUDING AUXILIARY MATERIALS. USE THE FOLLOWING OR APPROVED EQUIVALENT PRODUCT:
   BASF (SONNEBORN) SONOSHIELD HLM 5000
   889 Valley Park Drive, Shakopee, MN 55379
   www.BuildingSystems.BASF.com
   800-433-9517
7. **Mock-up Samples:** THE CONTRACTOR SHALL PROVIDE MOCK-UP SAMPLES OF THE FOLLOWING ITEMS FOR REVIEW AND APPROVAL PRIOR TO FINAL INSTALLATIONS.

   COLORED CONCRETE WALL (1) 5'x5' MOCK-UP PANEL
   STONE VENEER: ONE (1) 4'x4' MOCK-UP PANEL

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JEFFREY ALAN BEST LICENSED LANDSCAPE ARCHITECT 1679 KANSAS LANDSCAPE ARCHITECT

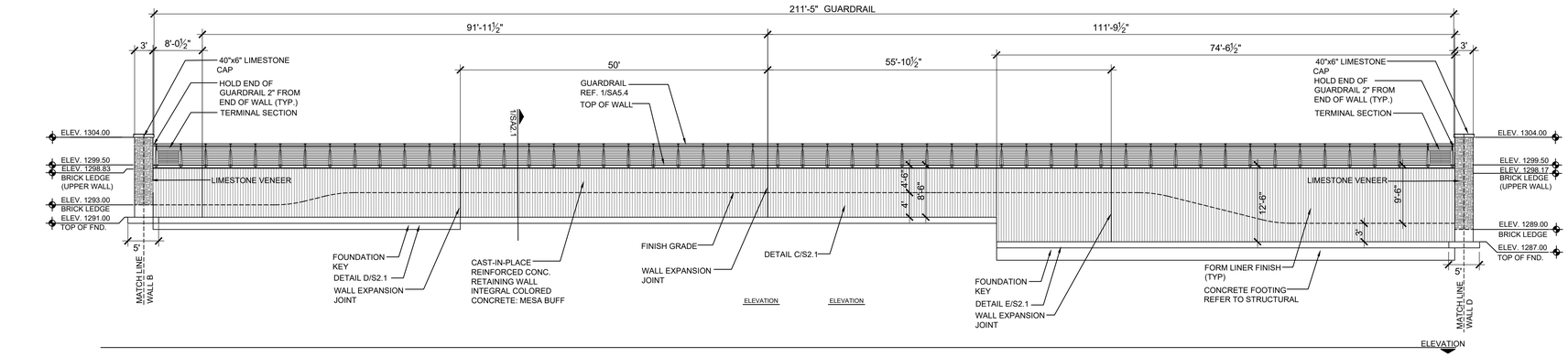
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: ENLARGED PLANS & ELEVATIONS

SHEET NUMBER: SA4.4

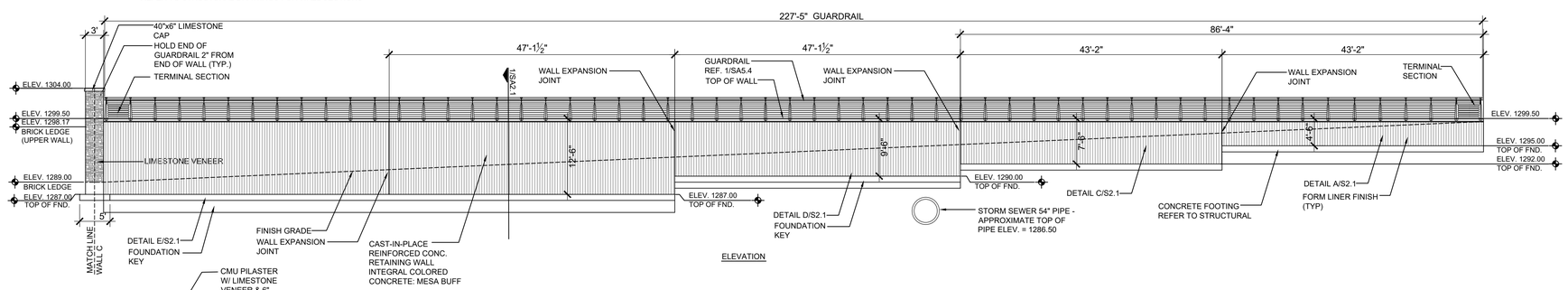


GUARDRAIL:
LENGTH: 211'-5" LF
RADIUS: 164'-6"
170'-6"
STANCHIONS (49) @ 4'-0" O.C. +/-
TWO (2) TERMINAL SECTIONS

1 RETAINING WALL 'C'

scale: 3/8" = 1'-0"

- PROVIDE SHOP DRAWING OF LIMESTONE & FORMLINER FOR APPROVAL.
- SUBMIT GUARDRAIL SHOP DRAWINGS FOR REVIEW & APPROVAL
- REFER TO STRUCTURAL DRAWINGS FOR WALL SECTIONS



GUARDRAIL:
LENGTH: 227'-5" LF
RADIUS: 191'-6"
65'-6"
STANCHIONS (57) @ 4'-0" O.C. +/-

2 RETAINING WALL 'D'

scale: 3/8" = 1'-0"

- PROVIDE SHOP DRAWING OF LIMESTONE & FORMLINER FOR APPROVAL.
- SUBMIT GUARDRAIL SHOP DRAWINGS FOR REVIEW & APPROVAL
- REFER TO STRUCTURAL DRAWINGS FOR WALL SECTIONS

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JEFFREY ALAN BEST LICENSED 11879 KANSAS LANDSCAPE ARCHITECT

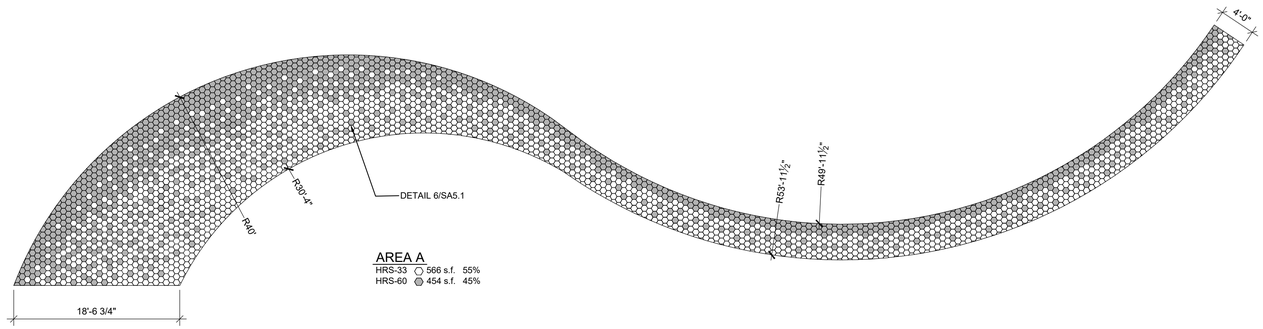
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: ENLARGED PLANS & ELEVATIONS

SHEET NUMBER: SA4.5



AREA A

HRS-33	◯	566 s.f.	55%
HRS-60	◍	454 s.f.	45%

TOTALS

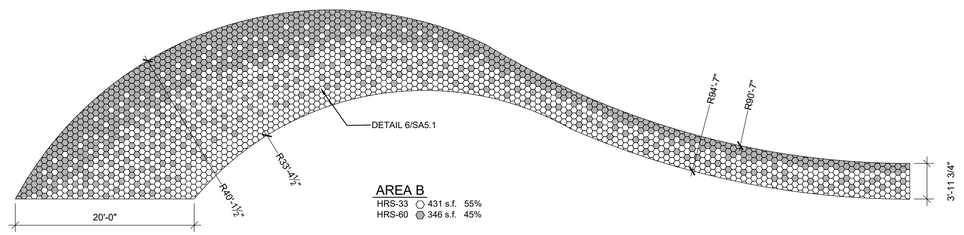
HRS-33	◯	2,022 s.f.	55%
HRS-60	◍	1,624 s.f.	45%
		3,646 s.f.	

PAVER NOTES:

1. THE CONTRACTOR SHALL SUBMIT PRODUCT INFORMATION AND SAMPLES FOR REVIEW AND APPROVAL PRIOR TO PURCHASE OF MATERIALS.
2. INSTALL PAVERS IN THE PATTERNS INDICATED ON THE DRAWINGS. NO GAPS BETWEEN PAVERS OVER ⅜" SHALL BE ALLOWED.
3. ALL PAVERS SHALL BE CUT USING MOTOR-DRIVEN CONCRETE SAW. PAVERS SHALL BE VIBRATED IN PLACE WITH A LOW-AMPLITUTDE PLATE VIBRATOR CAPABLE OF A 3500-5000 LB. COMPACTION FORCE.
4. GEOTEXTILE SHALL BE A WOVEN OR NON-WOVEN GEOTEXTILE POLYESTER OR POLYPROPYLENE WITH A PERMEABILITY RATING 10 TIMES GRATER THAN THAT OF THE SOIL.
5. SAND FOR LEVELING SHALL BE A SOUND, SHARP WASHED NATURAL SAND OR CRUSHED STONE COMPLYING WITH THE GRADATION REQUIREMENTS OF ASTM C33 FOR FINE AGGREGATE OR AS RECOMMENDED BY THE PAVER MANUFACTURER.
6. SAND JOINTS USE A POLYMERIC SAND WITH A SYNTHETIC BINDER. APPLY PER MANUFACTURERS INSTRUCTIONS.
7. PAVERS SHALL BE SEALED USING THE JOINT STABILIZING SEALER BELOW OR APPROVED EQUIVALENT:
   SUREBOND JOINT STABILIZING SEALER
   500 E. REMINGTON RD.
   SCHAUMBURG, IL 60173
   847-843-1818
   www.surebond.com
8. ALL CONCRETE PAVERS AND ACCESSORIES SHALL BE INSTALLED FOLLOWING MANUFACTURER GUIDELINES AND SPECIFICATIONS.
9. CONTRACTOR SHALL CONSTRUCT A 4'x4' MOCK-UP FOR EACH PAVER TYPE SPECIFIED.
10. PAVER SPECIFICATION:

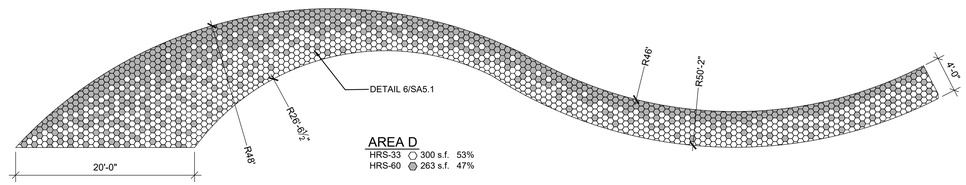
CONCRETE PAVERS (LOWER PROMENADE WALK)
PRODUCT: 8 x 2.75 HEX HESS PAVER
LUGS & CHAMFER
COLOR/FINISH: RIVERSIDE - HRS-33 & HRS-60
MANUFACTURER: WAUSAU TILE (OR APPROVED EQUIVALENT)
800-3888728
www.wausautile.com
CONTACT: Bret@wtrep.com

BRICK PAVERS (UPPER PROMENADE WALK)
PRODUCT: PEDESTRIAN BRICK PAVER
STADIUM BLEND (KANSAS BUILDING PRODUCTS)
SQUARE EDGE, SIZE: 4 x 8 x 2 ¼"
COLOR: 25% MAHOGANY
25% HARVARD
25% CHESTNUT
25% MANGANESE
SUPPLIER: KANSAS BRICK & TILE
CONTACT: frank.bauer@kansasbuildingproducts.com



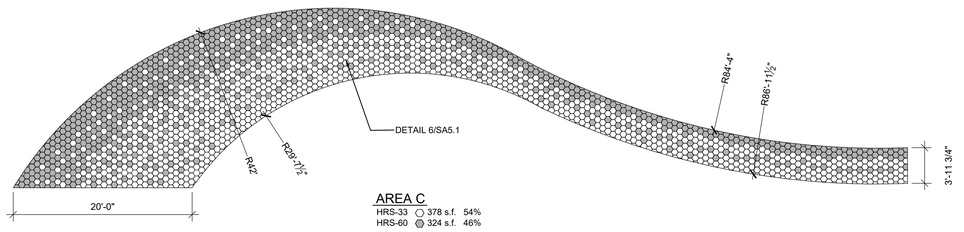
AREA B

HRS-33	◯	431 s.f.	55%
HRS-60	◍	346 s.f.	45%



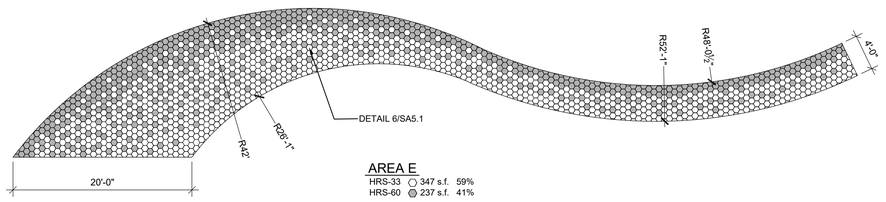
AREA D

HRS-33	◯	300 s.f.	53%
HRS-60	◍	263 s.f.	47%



AREA C

HRS-33	◯	378 s.f.	54%
HRS-60	◍	324 s.f.	46%



AREA E

HRS-33	◯	347 s.f.	59%
HRS-60	◍	237 s.f.	41%

1 LOWER PROMENADE PAVER AREA PATTERNS

scale: ⅛" = 1'-0"

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JEFFREY ALAN LEWIS
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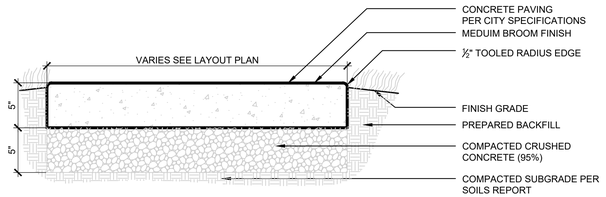
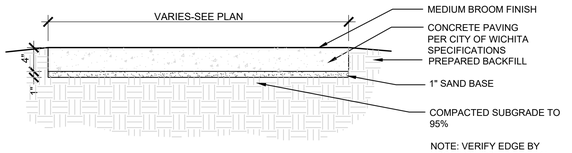
KANSAS
LANDSCAPE ARCHITECT
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST
PROJECT NUMBER: 24103
SHEET TITLE: ENLARGED PLANS
SHEET NUMBER: SA4.6



1 CONCRETE PAVING

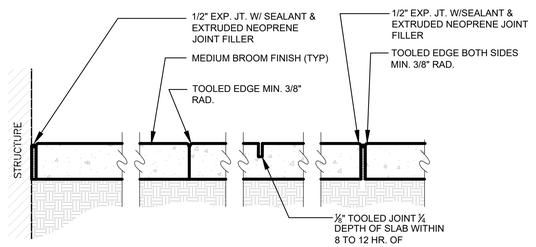
5" PLAIN CONCRETE PAVEMENT — 1 1/2" = 1'-0"



NOTE: VERIFY EDGE BY LOCATION FOR INTEGRAL CURB

2 CONCRETE PAVING

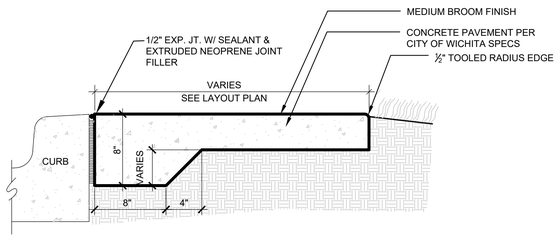
4" PLAIN CONCRETE PAVEMENT — 1" = 1'-0"



3 TYP. SIDEWALK JOINTING

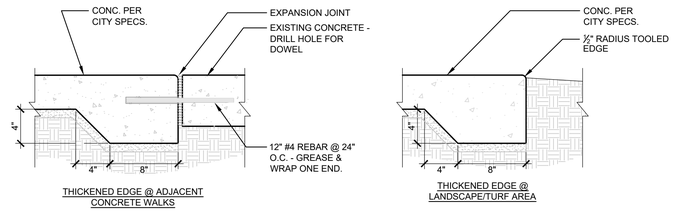
1 1/2" = 1'-0"

- ½" EXPANSION JOINT FOR CONCRETE WALK SHALL BE "SONOLASTIC EXPANSION JOINT FILLER" (GRAY): SONNEBORN, CHEMREX INC. OR APPROVED EQUIVALENT
- SEALANT SHALL BE SINGLE PART POURABLE URETHANE SEALANT: "POURTHANE"; W.R. MEADOWS, INC. OR APPROVED EQUIVALENT.
- ALL LABOR AND MATERIALS FOR EXPANSION AND CONTRACTION JOINTS SHALL BE SUBSIDIARY TO CONCRETE SIDEWALK.



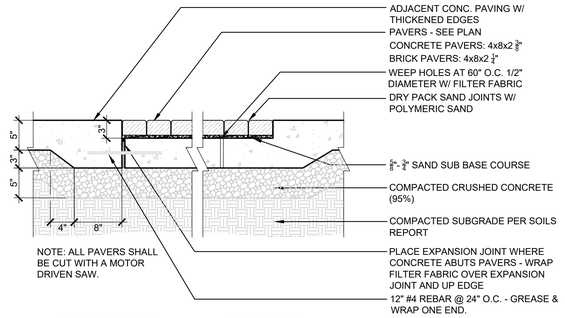
4 THICKENED EDGE AT CURB

SUBSIDIARY TO CONCRETE PAVEMENT — 1 1/2" = 1'-0"



5 THICKENED EDGE DETAILS

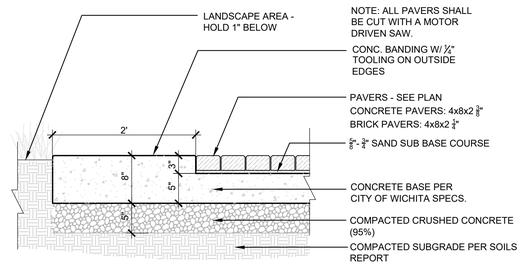
SUBSIDIARY TO CONCRETE PAVEMENT — 1 1/2" = 1'-0"



AT EXPANSION JOINT — AT PAVER INSET

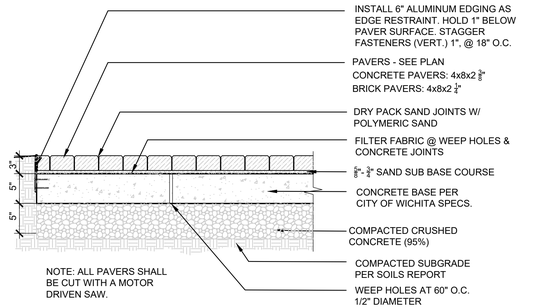
6 PAVERS ON CONCRETE

1" = 1'-0"



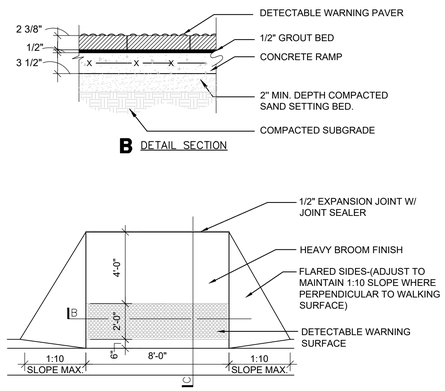
7 CONCRETE PAVER BORDER

1" = 1'-0"



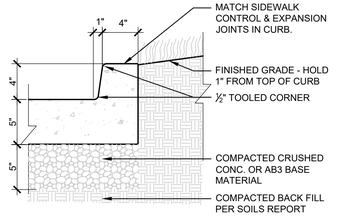
8 PAVER RESTRAINT DETAIL

1" = 1'-0"



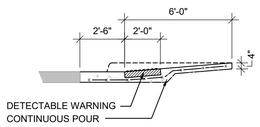
B DETAIL SECTION

A PLAN

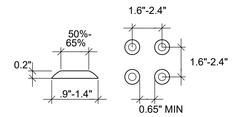


9 INTEGRAL CURB

1 1/2" = 1'-0"



C SECTION

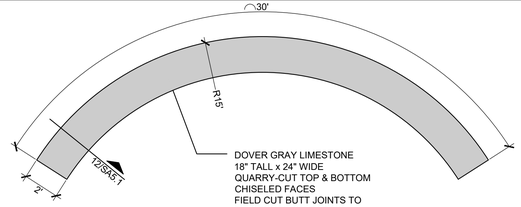


TRUNCATED DOME DETAIL

NOTE:
- RAMPS TO COMPLY WITH LATEST ADAAG GUIDELINES.
- PAVESTONE DETECTABLE WARNING PAVERS (OR APPROVED/EQUIVALENT) SHALL BE USED IN RAMP.
- COLOR: RED
- PATTERN:BASKET WEAVE/PARQUET

10 ACCESSIBLE RAMP

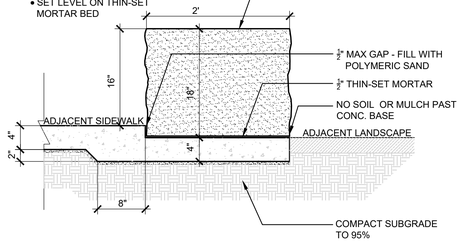
1/4" = 1'-0"



11 ENLARGED LIMESTONE SEATWALL

1/4" = 1'-0"

NOTE:
- DOVER GRAY LIMESTONE LEDGE - QUARRY-CUT TOP AND BOTTOM, CHISELED FACES
- FIELD CUT BUTT JOINTS TO FIT RADIUS
- SET LEVEL ON THIN-SET MORTAR BED



12 LIMESTONE SEATWALL SECTION

1" = 1'-0"

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JEFFREY ALAN BEST LICENSED LANDSCAPE ARCHITECT 1479 KANSAS

02.28.25

CONTACT: J. BEST
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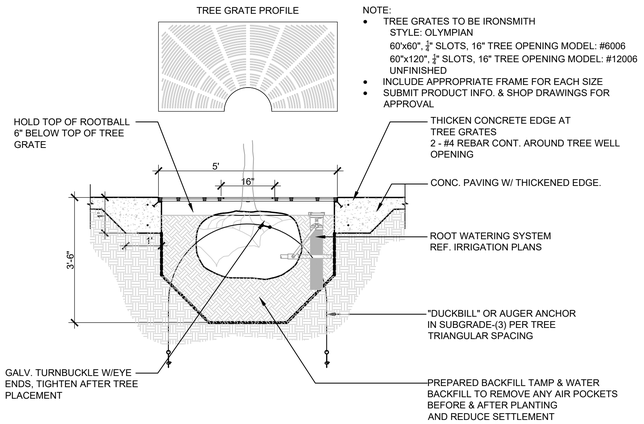
CHECKED: J. BEST

PROJECT NUMBER: 24103

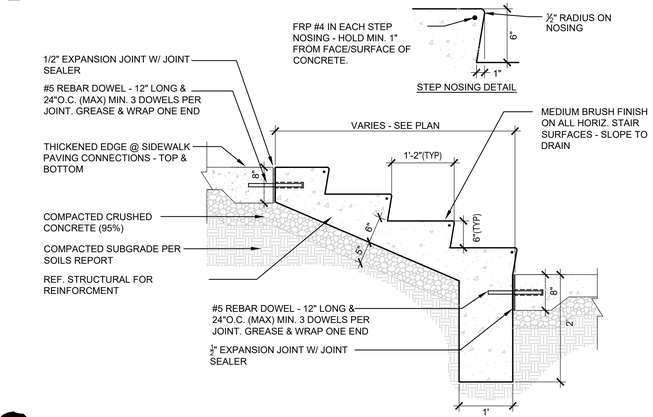
SHEET TITLE: SITE DETAILS

SHEET NUMBER: SA5.1



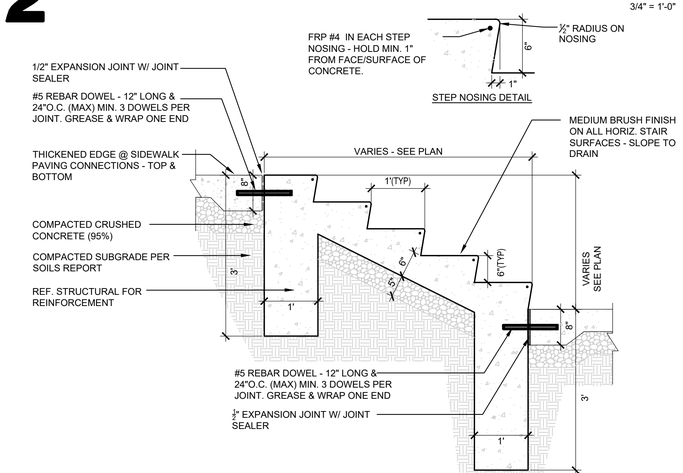
1 TREE WELL - CONSTRUCTION

1/2" = 1'-0"



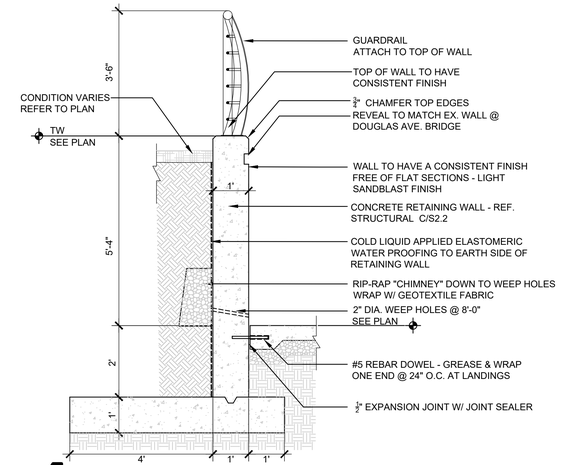
2 CONCRETE STEPS 'A'

3/4" = 1'-0"



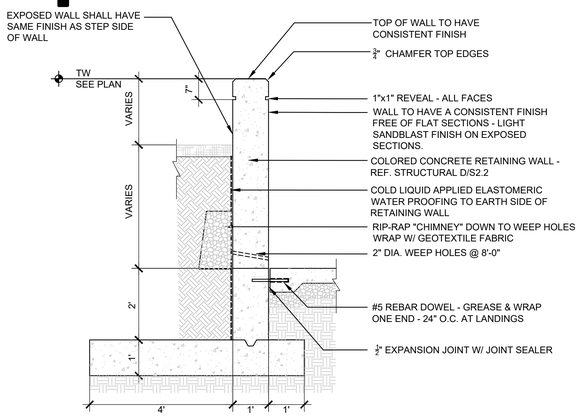
3 CONCRETE STEPS 'B'

3/4" = 1'-0"



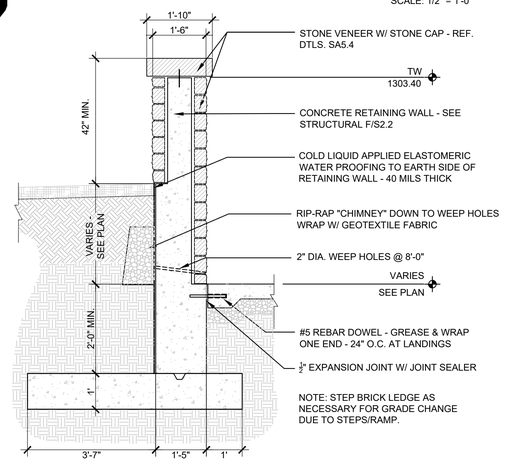
4 WALL 'A' - SECTION

SCALE: 1/2" = 1'-0"



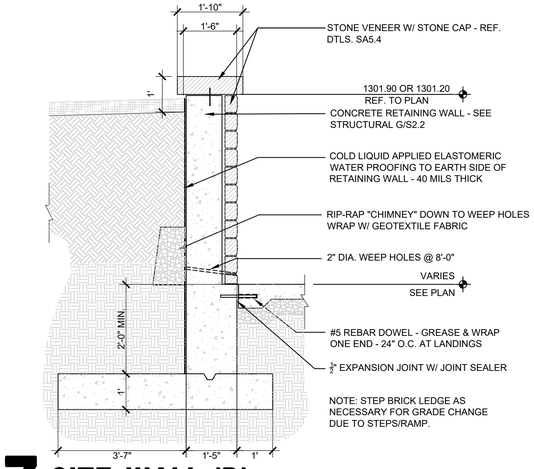
5 WALL 'B' - SECTION

SCALE: 1/2" = 1'-0"



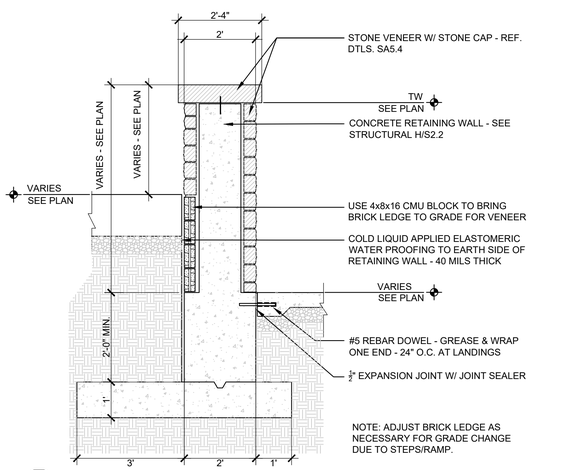
6 SITE WALL 'C'

SCALE: 1/2" = 1'-0"



7 SITE WALL 'D'

SCALE: 1/2" = 1'-0"



8 SITE WALL 'E'

SCALE: 1/2" = 1'-0"

PRINTS ISSUED

DATE	PURPOSE	NO.
01.15.25	PERMIT REVIEW	
02.28.25	FOR BID/CONSTRUCTION	

RIVER CORRIDOR IMPROVEMENTS
WEST BANK - RIVERFRONT
STADIUM
WICHITA, KS

LK ARCHITECTURE
345 Riverview, Suite 200, Wichita, KS 67203
T 316.268.0230 F 316.268.0205

JEFFREY ALAN BEST LICENSED LANDSCAPE ARCHITECT 2011679 KANSAS

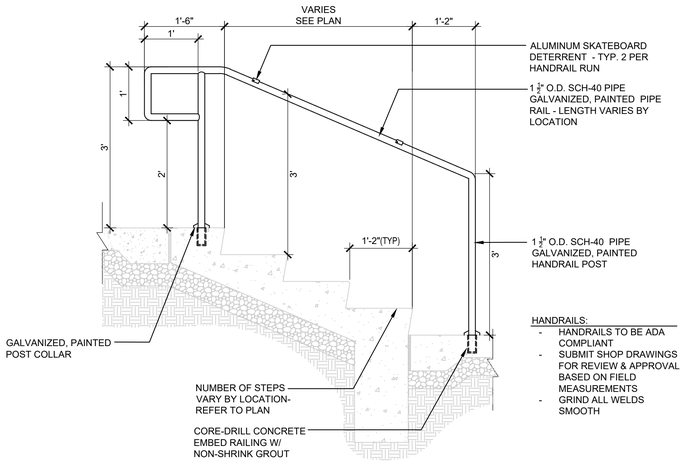
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER: 24103

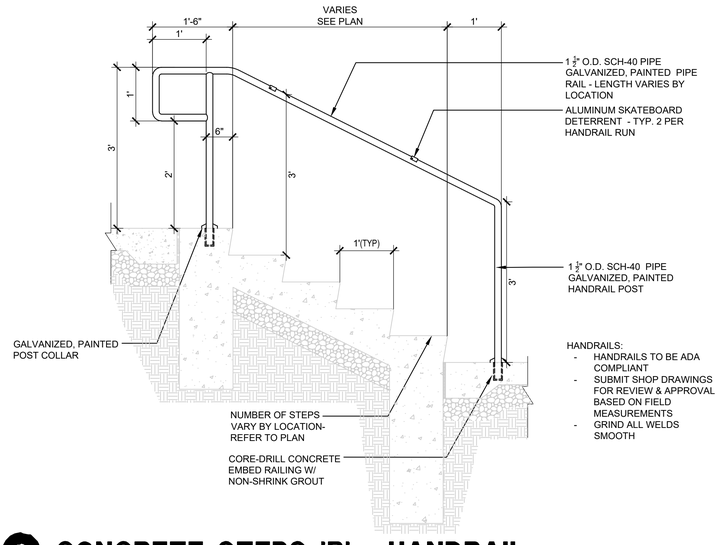
SHEET TITLE: SITE DETAILS

SHEET NUMBER: SA5.2



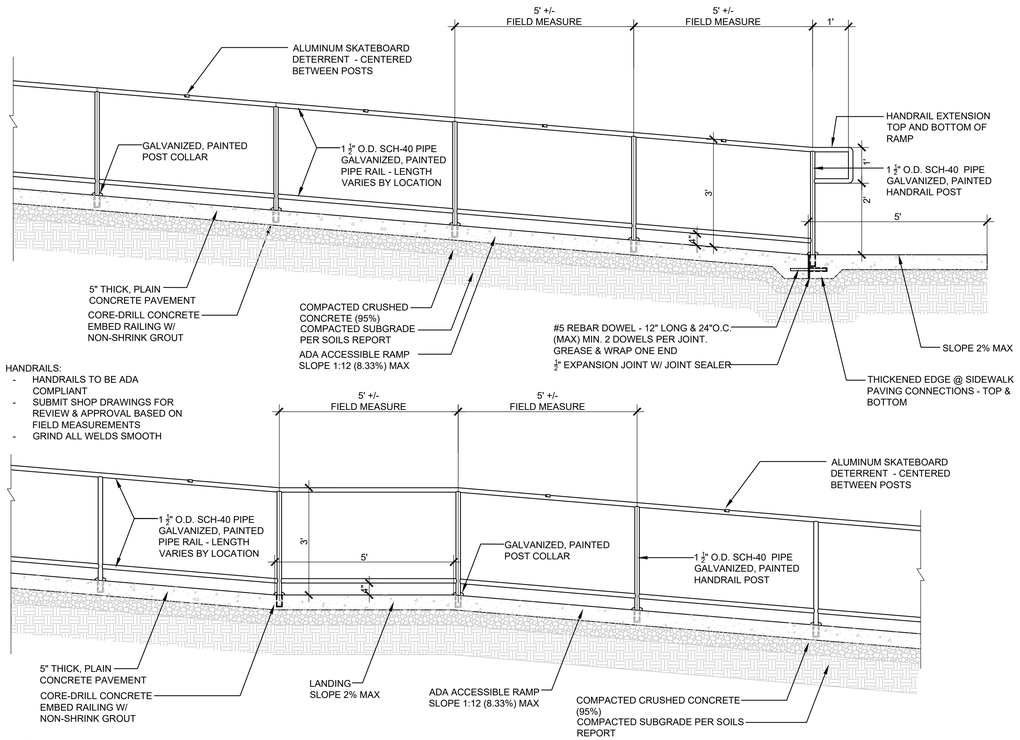
1 CONCRETE STEPS 'A' - HANDRAIL

3/4" = 1'-0"



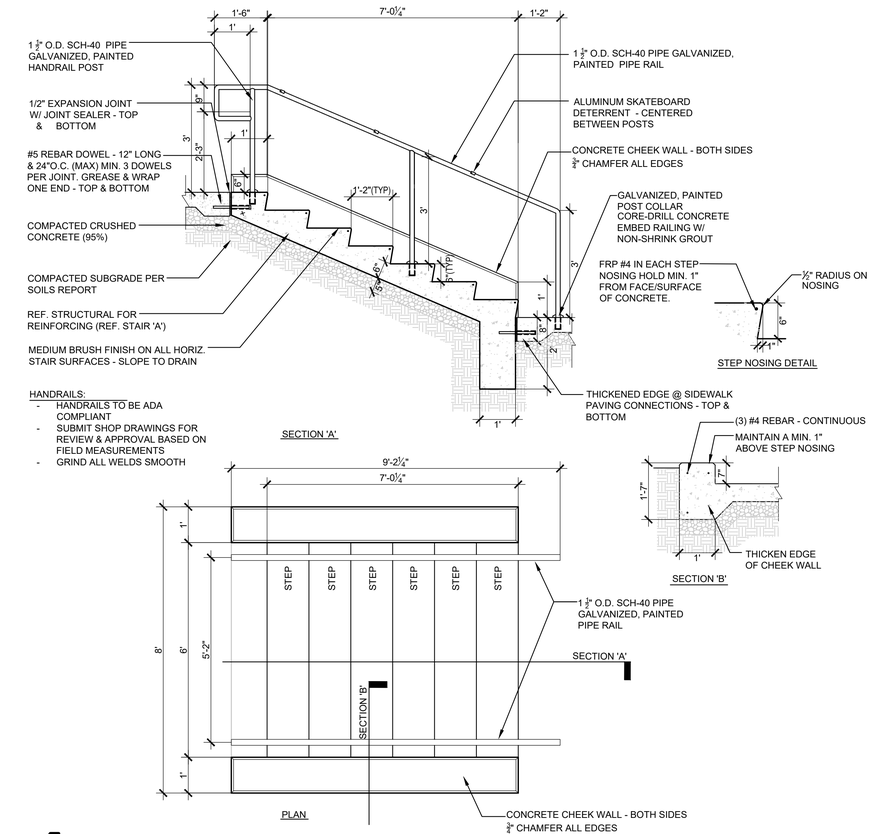
2 CONCRETE STEPS 'B' - HANDRAIL

3/4" = 1'-0"



3 ACCESSIBLE RAMP & HANDRAIL

SCALE: 1/2" = 1'-0"



4 CONCRETE STEPS 'C'

SCALE: 1/2" = 1'-0"

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RIVER CORRIDOR IMPROVEMENTS
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JEFFREY ALAN BEST
LICENSED
14-1679
KANSAS
LANDSCAPE ARCHITECT

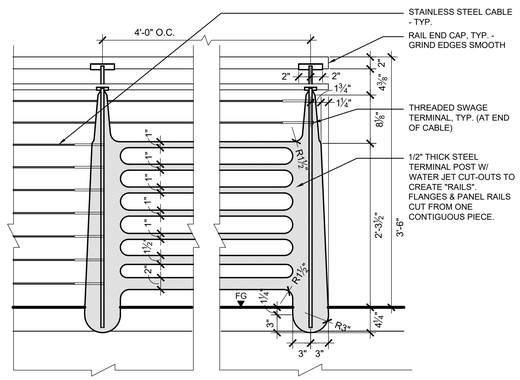
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER: 24103

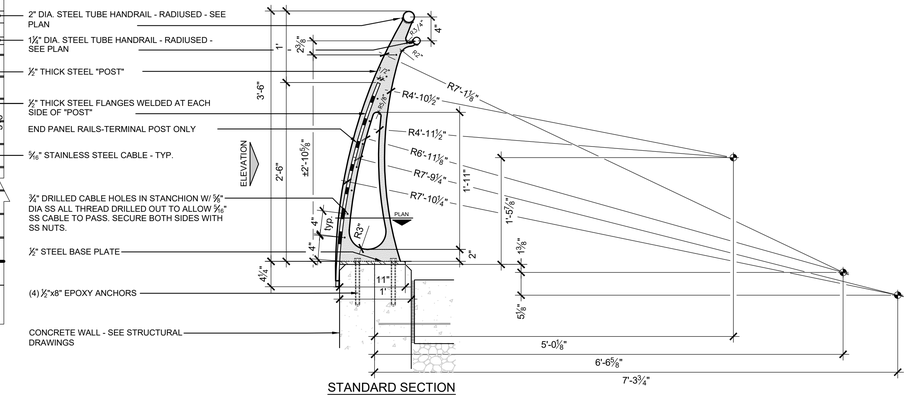
SHEET TITLE: SITE DETAILS

SHEET NUMBER: SA5.3

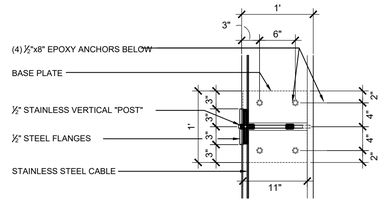


TERMINAL POST ELEVATION

STANDARD ELEVATION



STANDARD SECTION



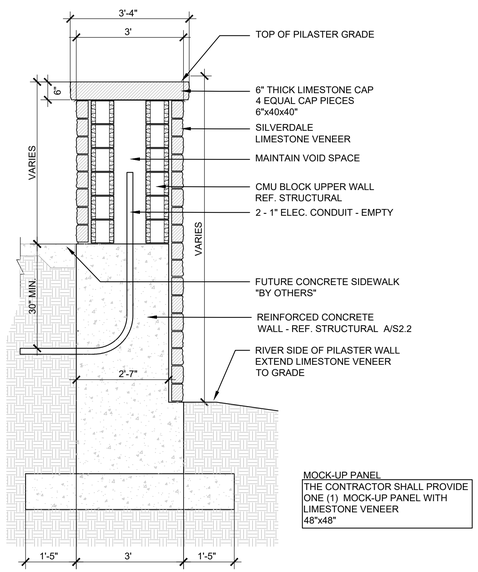
PLAN

GENERAL NOTES:

1. GENERAL CONTRACTOR TO SUBMIT SEALED SHOP DRAWINGS FOR REVIEW FOR APPROVAL.
2. STAINLESS STEEL CABLE MANUFACTURER SHALL SUPPLY ADDITIONAL HARDWARE NECESSARY TO ERECT WIRE ROPE, INCLUDING TURNBUCKLES AND BUSHES IN HOLES TO ALLOW CONTINUATION OF WIRE ROPE.
3. COST FOR INTERMEDIATE POSTS, END POSTS, PIPE RAIL, RAIL SEATS, WIRE ROPE, TURNBUCKLES, ANCHOR BOLTS, AND ALL COMPONENTS REQUIRED FOR INSTALLATION, INCLUDING LABOR AND INCIDENTALS FOR GUARDRAIL SHALL BE INCLUDED IN THE PRICE BID FOR ORNAMENTAL STEEL BARRIER.
4. ALL STEEL SHALL BE GALVANIZED, PRIMED AND PAINTED
   - DUST BLAST STEEL SURFACE
   - PRIME WITH TNEMEC TNEME-FASCURE, SERIES 161 - POLYAMIDE EPOXY PRIMER
   - PAINT WITH TNEMEC ENDURA-SHIELD, SERIES 1074 - ALIPHATIC ACRYLIC POLYURETHANE

1 GUARDRAIL DETAILS

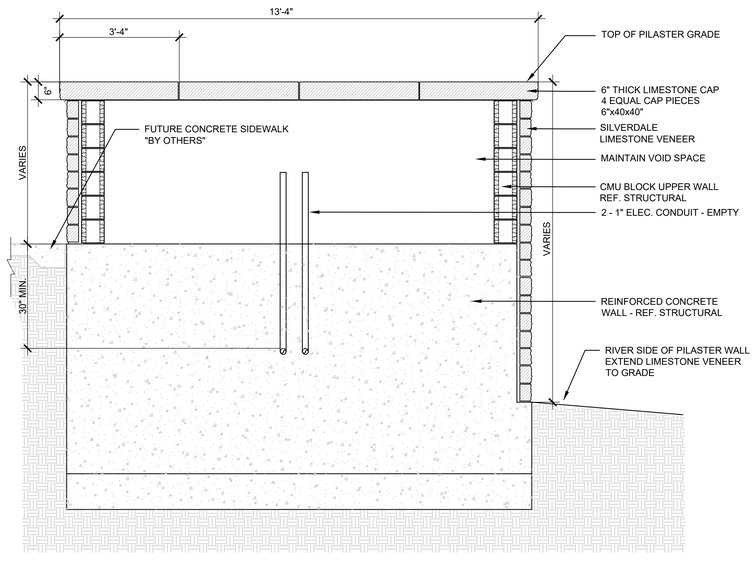
1" = 1'-0"



MOCK-UP PANEL
THE CONTRACTOR SHALL PROVIDE ONE (1) MOCK-UP PANEL WITH LIMESTONE VENEER 48"x48"

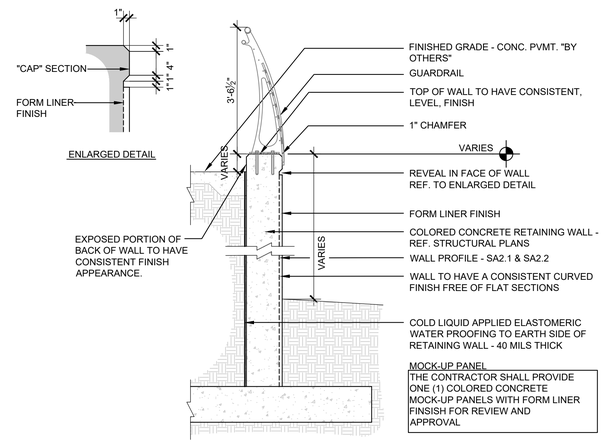
2 STONE VENEER PILASTER WALL

SECTION 'A' SCALE: 1/2" = 1'-0"



3 STONE VENEER PILASTER WALL

SECTION 'B' SCALE: 1/2" = 1'-0"



MOCK-UP PANEL
THE CONTRACTOR SHALL PROVIDE ONE (1) COLORED CONCRETE MOCK-UP PANELS WITH FORM LINER FINISH FOR REVIEW AND APPROVAL

4 SITE RETAINING WALL

SCALE: 1/2" = 1'-0"

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RIVER CORRIDOR IMPROVEMENTS
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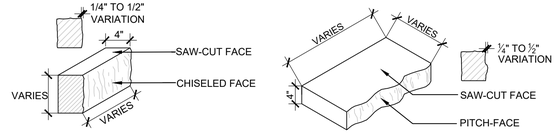
JEFFREY ALAN BEST
LICENSED
14679
KANSAS
LANDSCAPE ARCHITECT
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST
PROJECT NUMBER: 24103
SHEET TITLE: SITE DETAILS
SHEET NUMBER: SA5.4

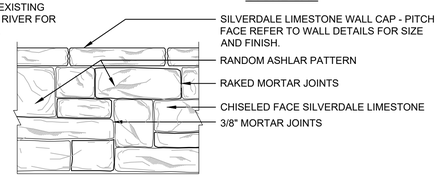
NOTE:
MOCK-UP PANEL THE CONTRACTOR SHALL PROVIDE ONE (1) 4'x4' STONE VENEER MOCK-UP PANEL FOR REVIEW AND APPROVAL.



STONE VENEER

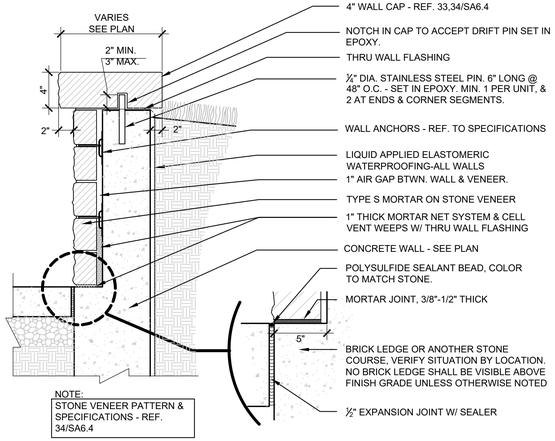
NOTE: MATCH EXISTING STONE ALONG RIVER FOR SIZE & COLOR.

STONE CAP



1 SPLIT-FACE STONE VENEER

SCALE: 1/2" = 1'-0"

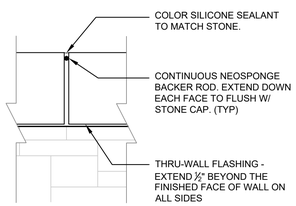


NOTE:
STONE VENEER PATTERN & SPECIFICATIONS - REF. 34/SA6.4

CONCEALED EXPANSION JOINT

2 TYP. STONE VENEER CONNECTION

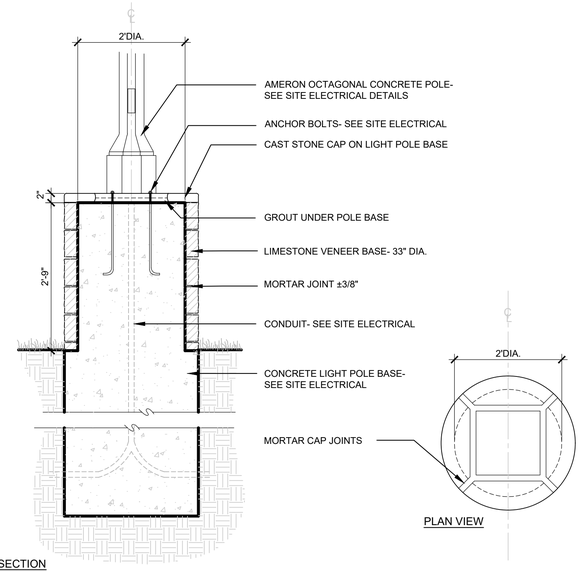
1" = 1'-0"



3 STONE CAP JOINT

TYPICAL

1 1/2"=1'-0"

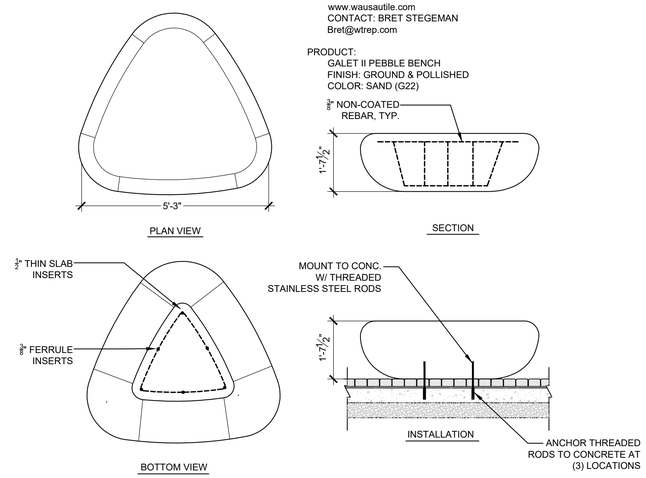


4 LIGHT POLE WITH STONE BASE

3/4" = 1'-0"

MANUFACTURER:
WAUSAU TILE (OR APPROVED EQUIVALENT)
800-388-8728
www.wausautile.com
CONTACT: BRET STEGEMAN
Bret@wtrep.com

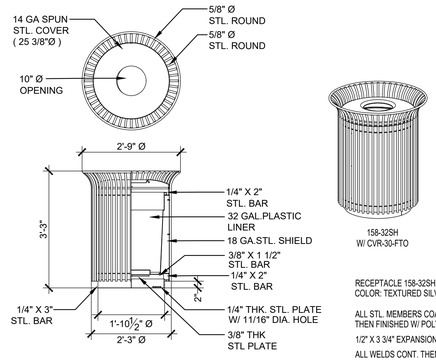
PRODUCT:
GALET II PEBBLE BENCH
FINISH: GROUND & POLLISHED
COLOR: SAND (G22)



5 GALET II CONCRETE BENCH

GALET PEBBLE BENCH

SCALE: 1/2" = 1'-0"



RECEPTACLE 158-32SH W/ LINER
COLOR: TEXTURED SILVER

ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.

1/2" X 3 3/4" EXPANSION ANCHOR BOLTS PROVIDED.

ALL WELDS CONT. THEN GROUND SMOOTH.

6 TRASH RECEPTACLE 158-32SH

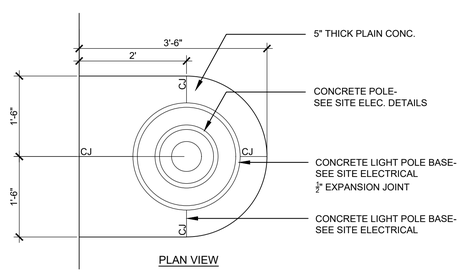
DUMOR, INC.

SCALE: 1/2" = 1'-0"

7 BICYCLE RACK

FORMS + SURFACES

1" = 1'-0"



PLAN VIEW

8 LIGHT POLE MOW STRIP

3/4" = 1'-0"

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RIVER CORRIDOR IMPROVEMENTS
WEST BANK - RIVERFRONT
STADIUM
WICHITA, KS

LK ARCHITECTURE
345 Riverview, Suite 200, Wichita, KS 67203
T 316.268.0230 F 316.268.0205

JEFFREY ALAN LEWIS LICENSED LANDSCAPE ARCHITECT 1411879 KANSAS

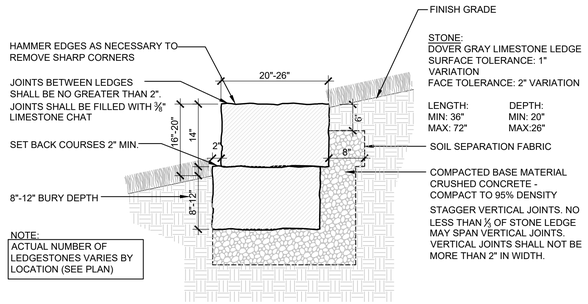
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER: 24103

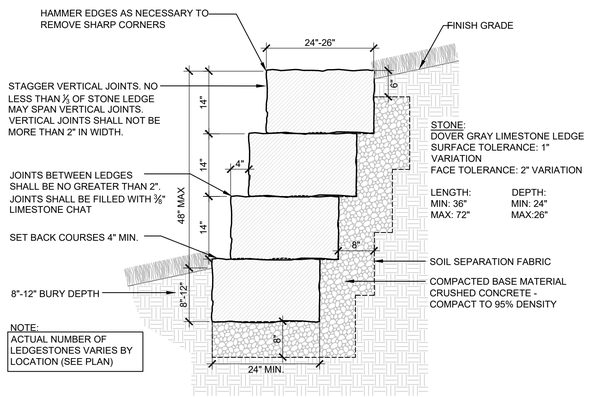
SHEET TITLE: SITE DETAILS

SHEET NUMBER: SA5.5



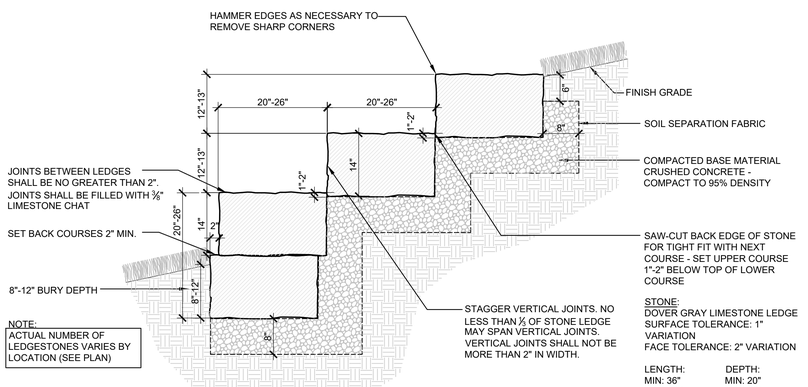
1 LIMESTONE LEDGE - SECTION 'A'

3/4" = 1'-0"



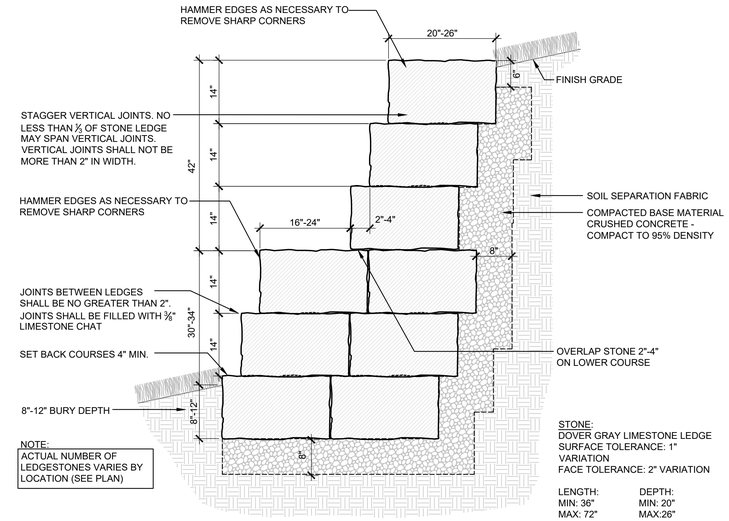
2 LIMESTONE LEDGE - SECTION 'B'

3/4" = 1'-0"



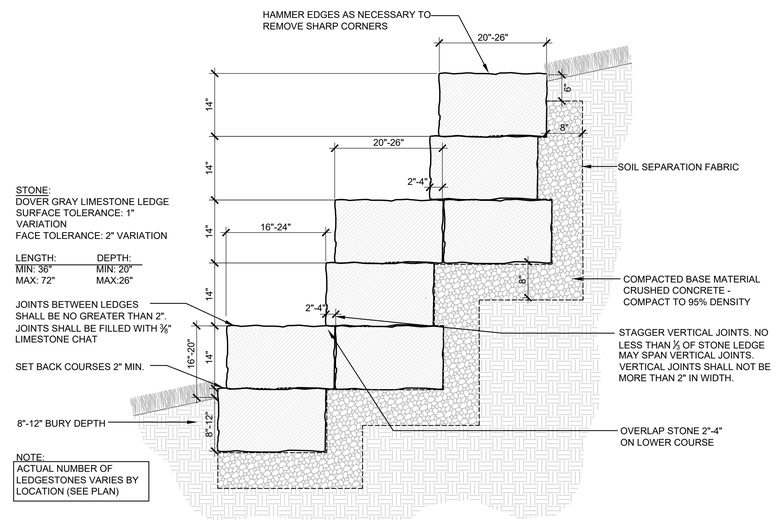
3 LIMESTONE LEDGE - SECTION 'C'

3/4" = 1'-0"



4 LIMESTONE LEDGE - SECTION 'D'

3/4" = 1'-0"



5 LIMESTONE LEDGE - SECTION 'E'

3/4" = 1'-0"

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STADIUM
WICHITA, KS

LK ARCHITECTURE
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T 316.268.0230 F 316.268.0205

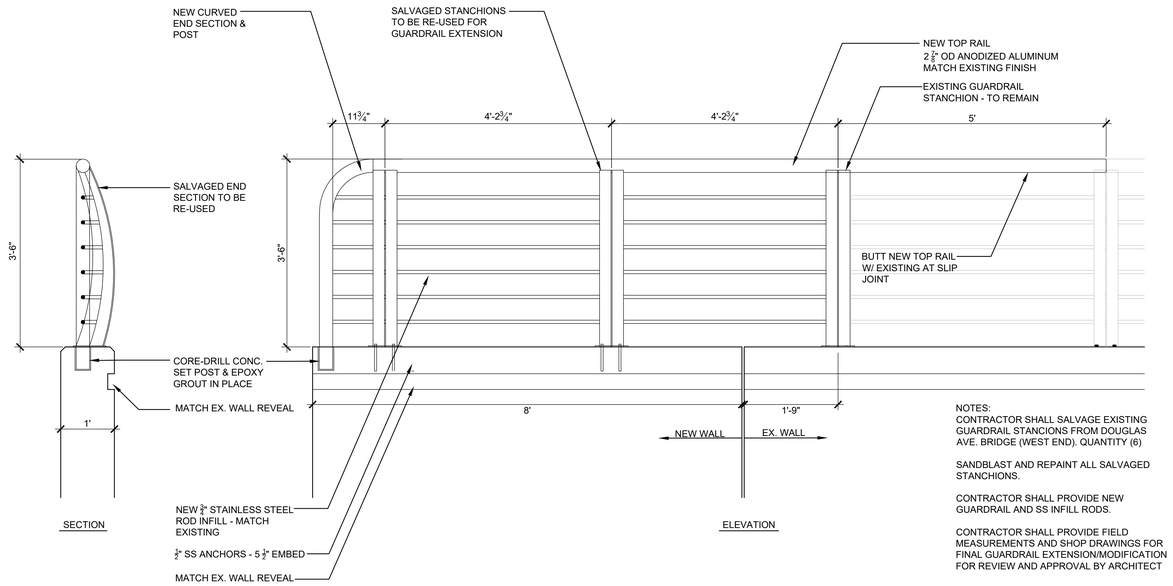
AARON JOSEPH WOLF LICENSED 28000 KANSAS PROFESSIONAL ENGINEER
2/28/25

CONTACT: J. BEST
DRAWN: AJW
CHECKED: AJW
PROJECT NUMBER:

SHEET TITLE:
SITE DETAILS

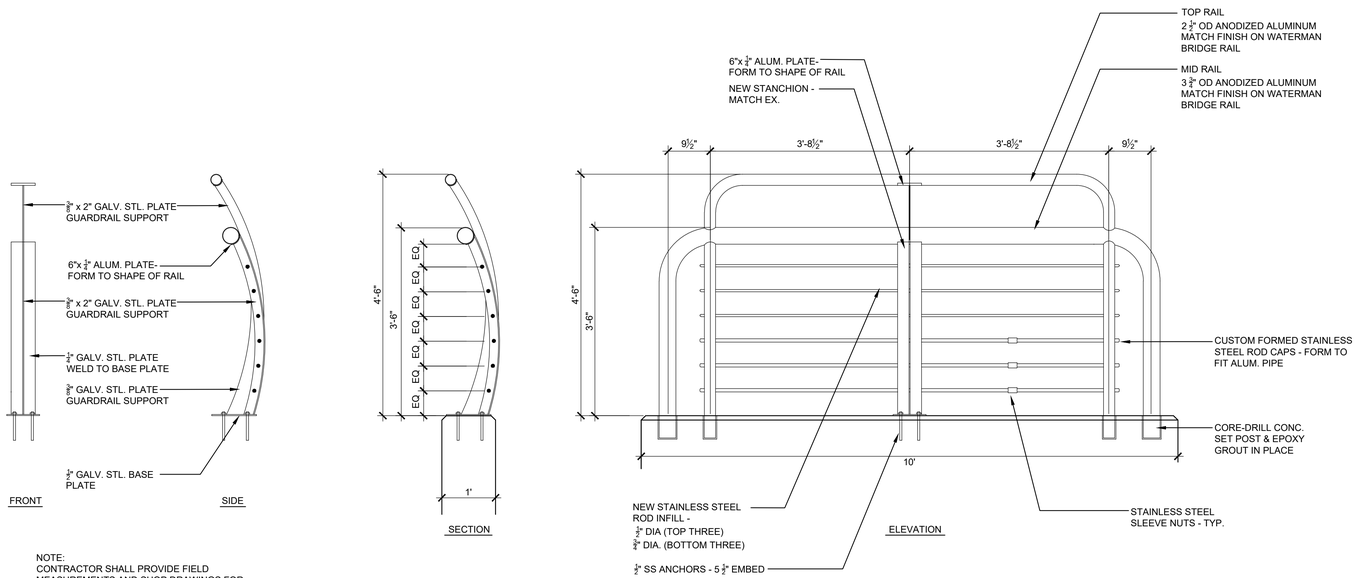
SHEET NUMBER:
SA5.6

MKEC
Wichita, KS • 316.684.9600
MKEC Project No. 2401010042



1 BRIDGE GUARDRAIL EXTENSION/MODIFCATION - DOUGLAS AVE. BRIDGE

3/4" = 1'-0"



NOTE:
CONTRACTOR SHALL PROVIDE FIELD MEASUREMENTS AND SHOP DRAWINGS FOR FINAL GUARDRAIL EXTENSION/MODIFICATION FOR REVIEW AND APPROVAL BY ARCHITECT

GALVANIZE & PAINT ALL STEEL ITEMS

2 BRIDGE GUARDRAIL EXTENSION - WATERMAN BRIDGE

3/4" = 1'-0"

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JEFFREY ALAN KEE
LICENSED
14679
KANSAS
LANDSCAPE ARCHITECT

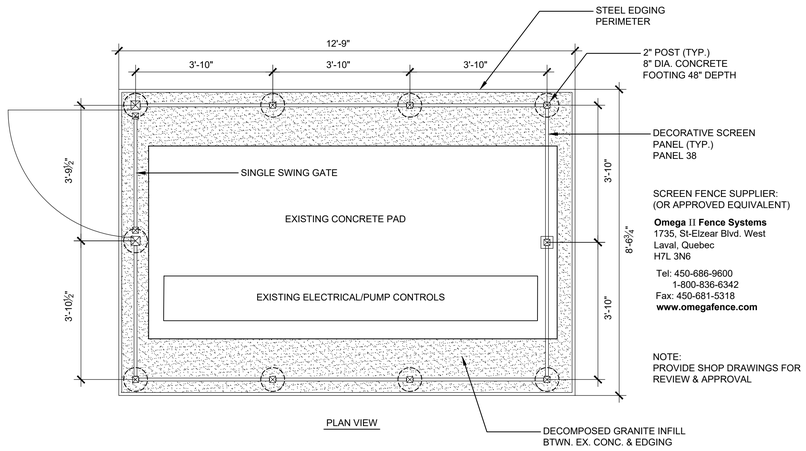
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: SITE DETAILS

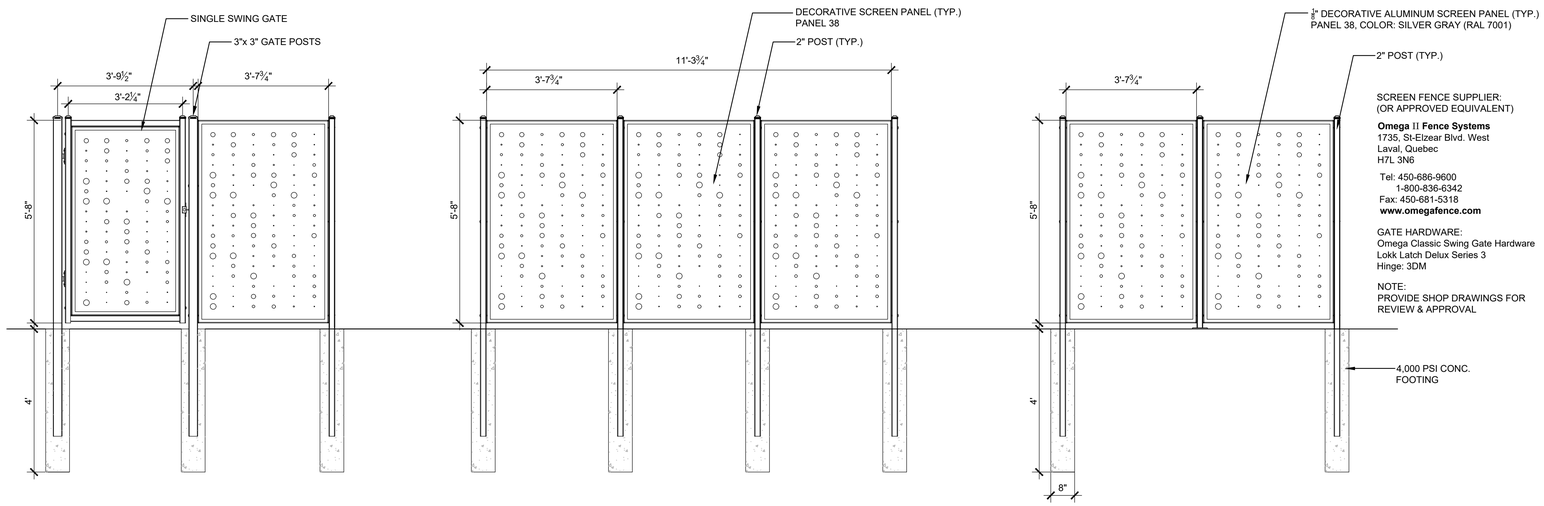
SHEET NUMBER: SA5.7



PLAN VIEW

1 ENLARGED PUMP STATION ENCLOSURE PLAN

SCALE: 1/2" = 1'-0"



WEST ELEVATION VIEW

NORTH/SOUTH ELEVATION VIEW

EAST ELEVATION VIEW

2 PUMP STATION ENCLOSURE ELEVATIONS

SCALE: 1/2" = 1'-0"

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JEFFREY ALAN KEY
LICENSED
14679
KANSAS
LANDSCAPE ARCHITECT

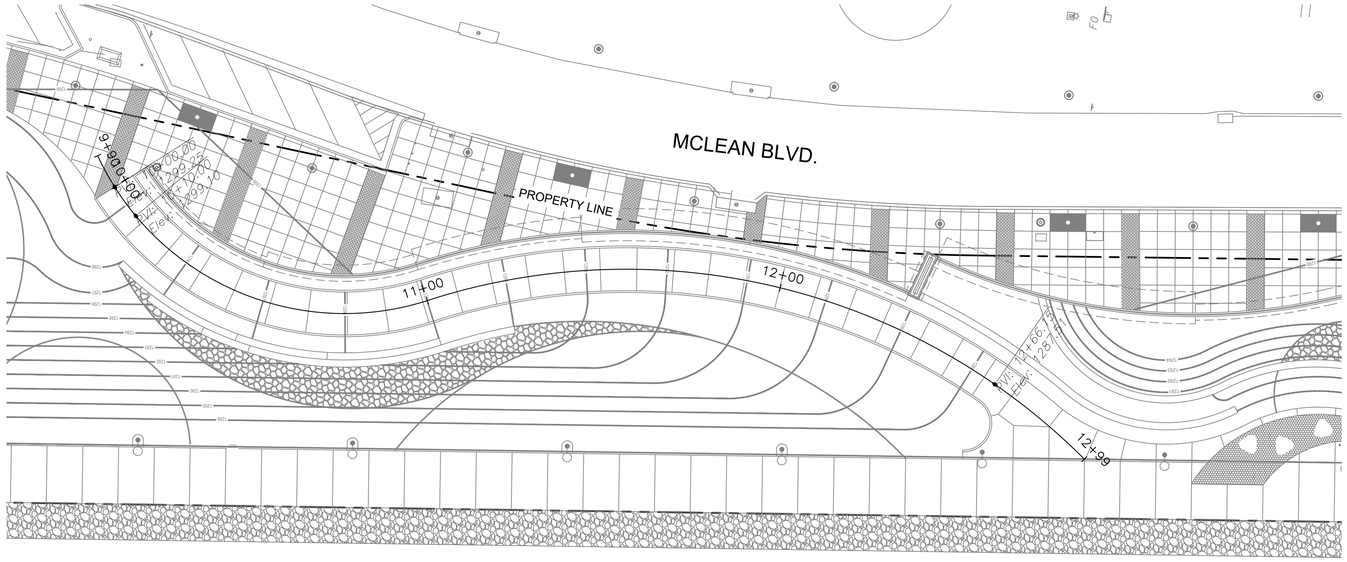
02.28.25

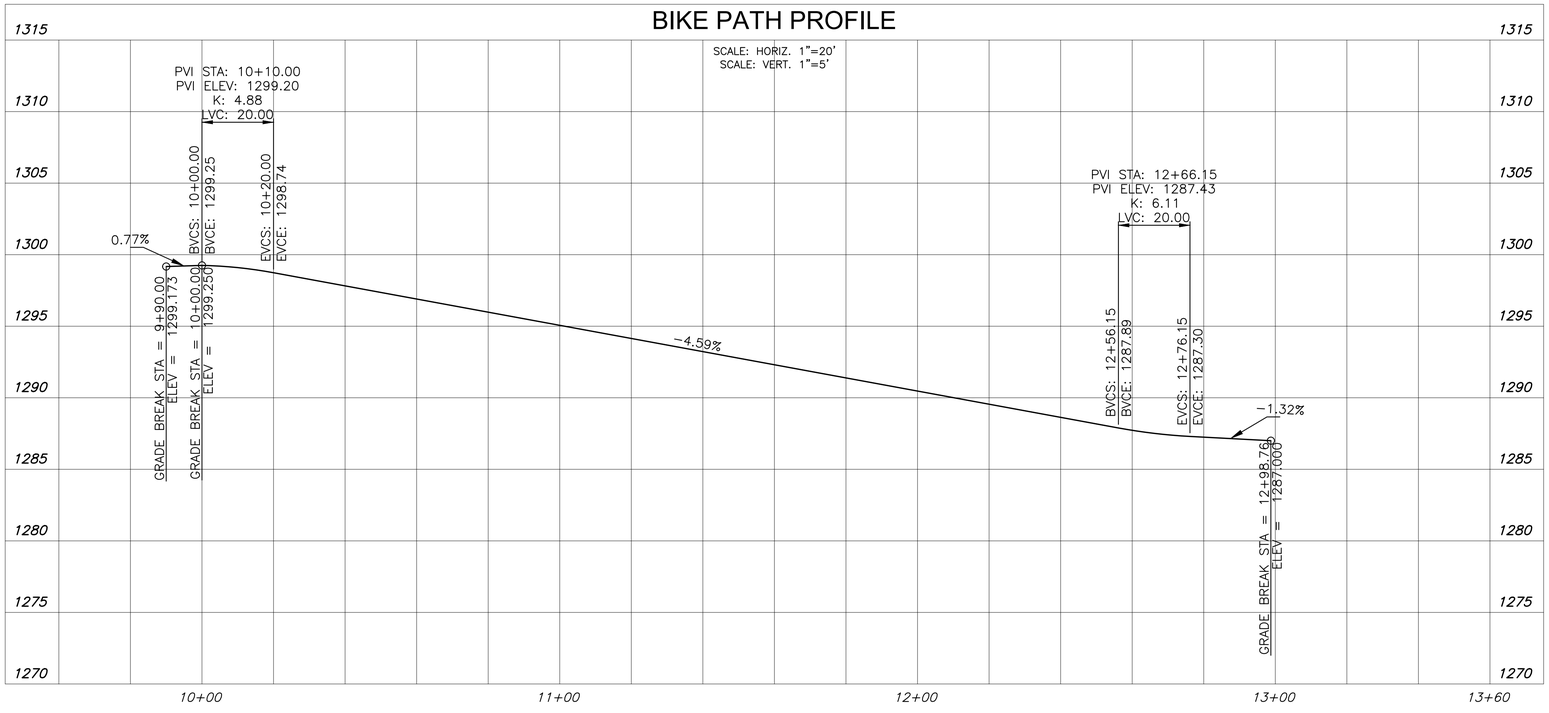
CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: SITE DETAILS

SHEET NUMBER: SA5.8





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02.28.25	FOR BID/CONST.	0

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WICHITA, KS

LK ARCHITECTURE
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SCOTT PRESTON LEHMAN
LICENSED
ENGINEER
24123
KANSAS
PROFESSIONAL ENGINEER
1/15/25

CONTACT:
DRAWN: BJL
CHECKED: SPE

PROJECT NUMBER:
24103

SHEET TITLE:
BIKE PATH PROFILE

SHEET NUMBER:
C1.0

MKEC
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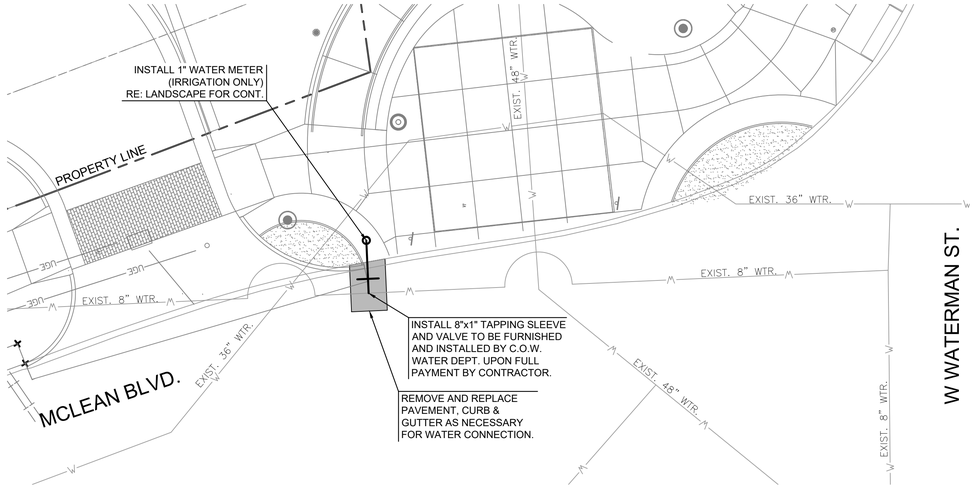
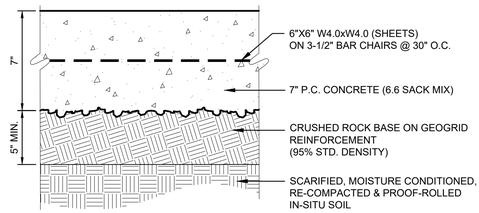
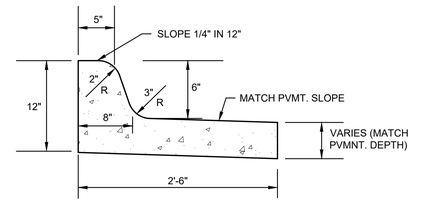




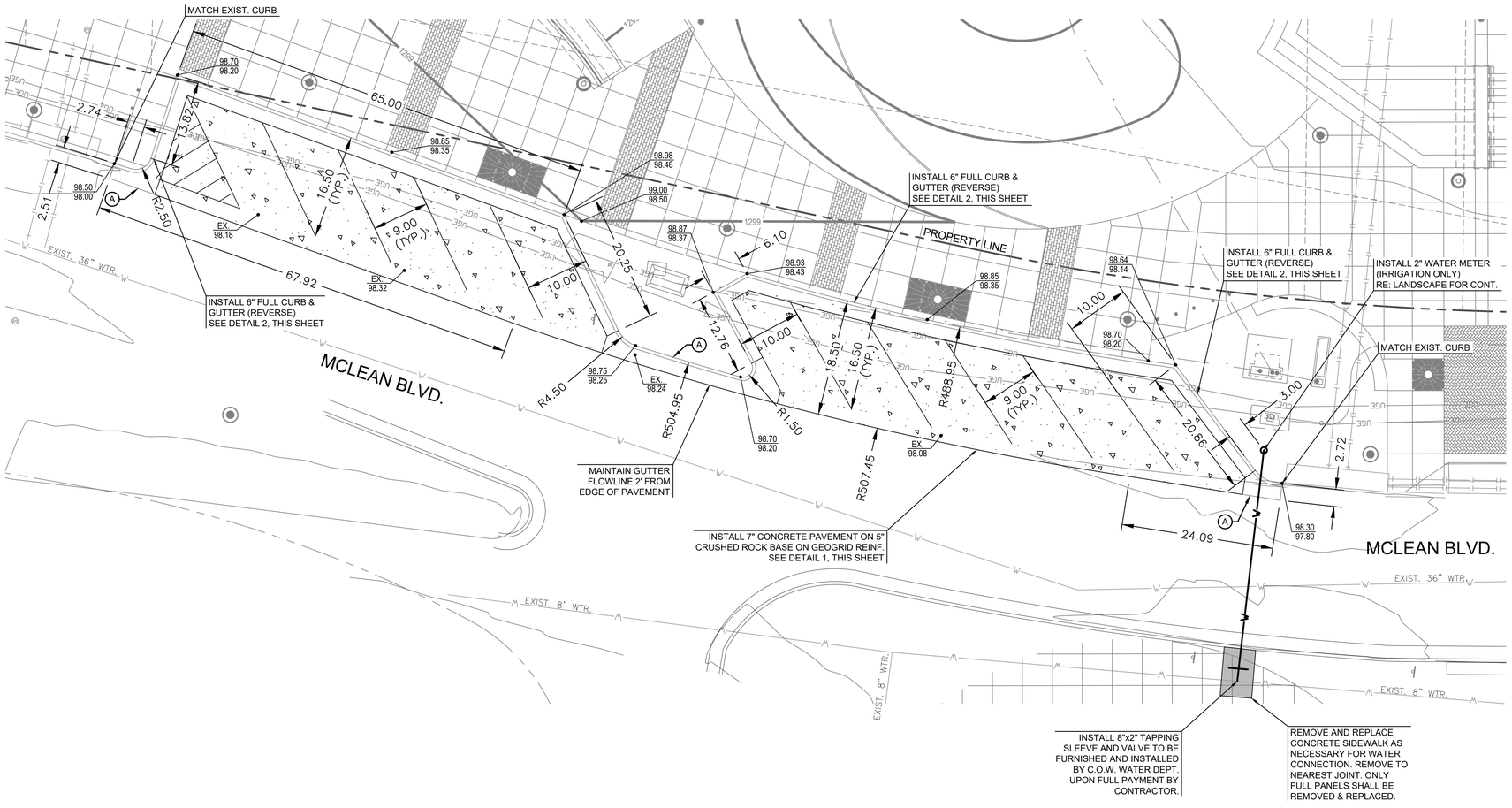
1 TYP. SECTION: 7.0" CONC. PVMT.

SCALE: NTS



2 FULL CURB & GUTTER (REVERSE)

SCALE: NTS



PAVING NOTES

1. ALL DIMENSIONS ARE SHOWN TO BACK OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
2. CONTRACTOR TO DRILL & EPOXY #4 BARS (L=2'-0"; MIN. 9" EMBED) @ 24" O.C. INTO EXIST. CONCRETE PAVEMENT AND CURB & GUTTER WHEREVER PROPOSED ABUTS EXISTING.
3. AGGREGATE BASE UNDER PAVEMENT SHALL EXTEND A MINIMUM OF 1' BEYOND THE BACK OF CURB.
4. UNLESS OTHERWISE NOTED, ALL CURB TO BE FULL (6").
5. PARKING STRIPING SHALL BE 4" WIDE, WHITE IN COLOR.
6. PAVEMENT MARKINGS SHALL BE AN UNDILUTED ALKYD TRAFFIC PAINT. APPLY PAINT WITH MECHANICAL EQUIPMENT TO PRODUCE PAVEMENT MARKINGS WITH UNIFORM, STRAIGHT EDGES. APPLY AT MANUFACTURER'S RECOMMENDED RATE TO PROVIDE A MINIMUM WET FILM THICKNESS OF 15 MILS. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR SURFACE PREPARATION AND APPLICATION.

LEGEND

- 7" CONCRETE PAVEMENT
- 88.00 / 87.50 — TOP OF CURB ELEV. / FLOWLINE ELEV.
- (A) — PAID FOR AS CURB & GUTTER

SCALE: 1"=10'

0 10 20

PRINTS ISSUED

DATE	PURPOSE	NO.
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02.28.25	FOR BID/CONST.	0

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2/21/25

CONTACT:
DRAWN: BJL
CHECKED: SPE

PROJECT NUMBER: 24103

SHEET TITLE: STREET PARKING PLAN

SHEET NUMBER: C2.0

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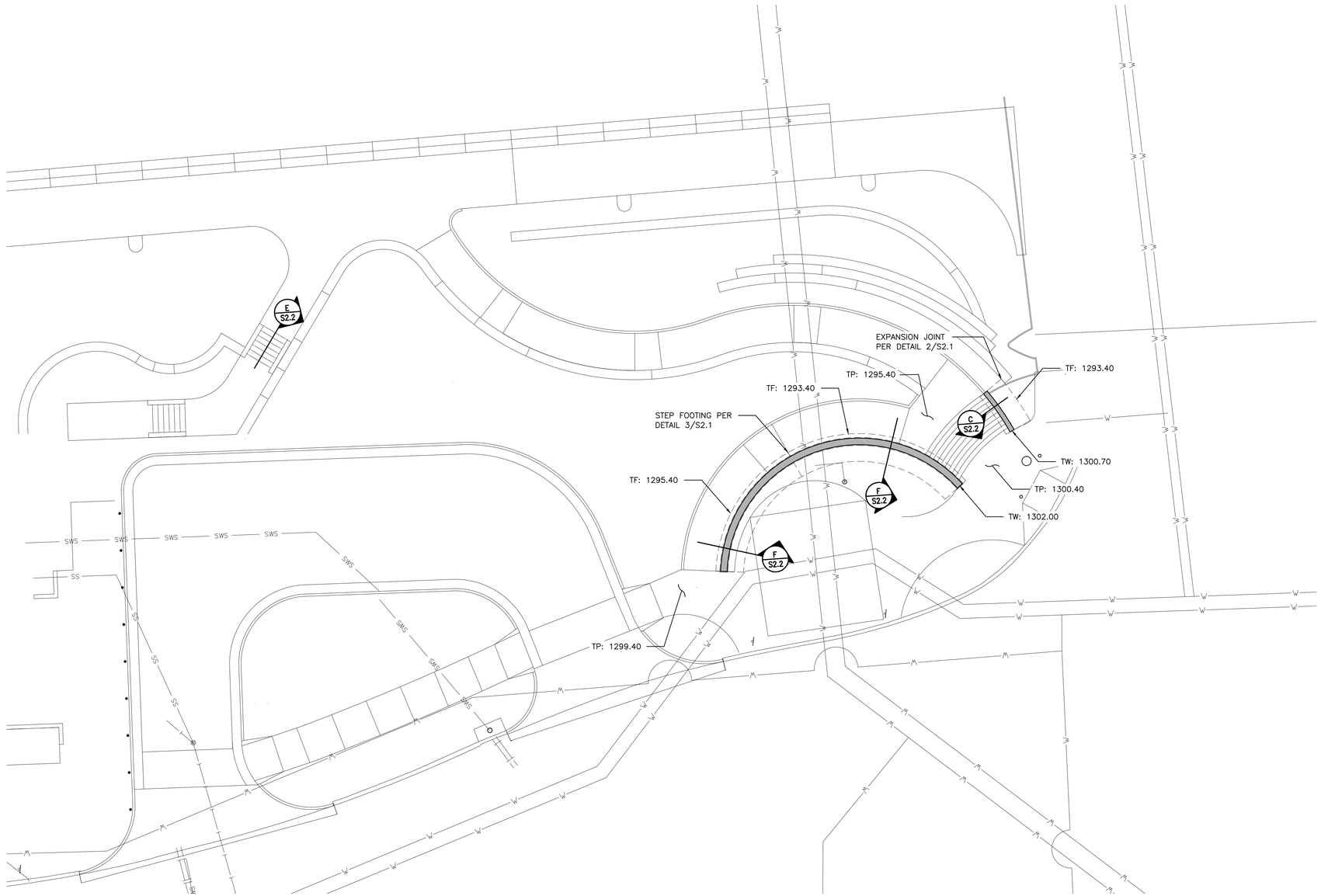

FOUNDATION PLAN - AREA A

SCALE: 1" = 10'-0"

NOTES:
1. REFER TO ARCHITECTURAL SITE PLANS FOR FINISH GRADE ELEVATIONS.
2. REFER TO ARCHITECTURAL SITE PLANS FOR WALL DIMENSIONS AND WORK POINTS.
3. TF = TOP OF FOOTING ELEVATION.
4. TW = TOP OF WALL ELEVATION.
5. TP = TOP OF PAVING OR FINISH GRADE ELEVATION.

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02.28.25	FOR BID/CONSTRUCTION	

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2/28/25

CONTACT: AJW
DRAWN: DG
CHECKED: AJW / RR

PROJECT NUMBER:
24103

SHEET TITLE:
SITE FOUNDATION PLAN
- AREA A

SHEET NUMBER:
S1.1

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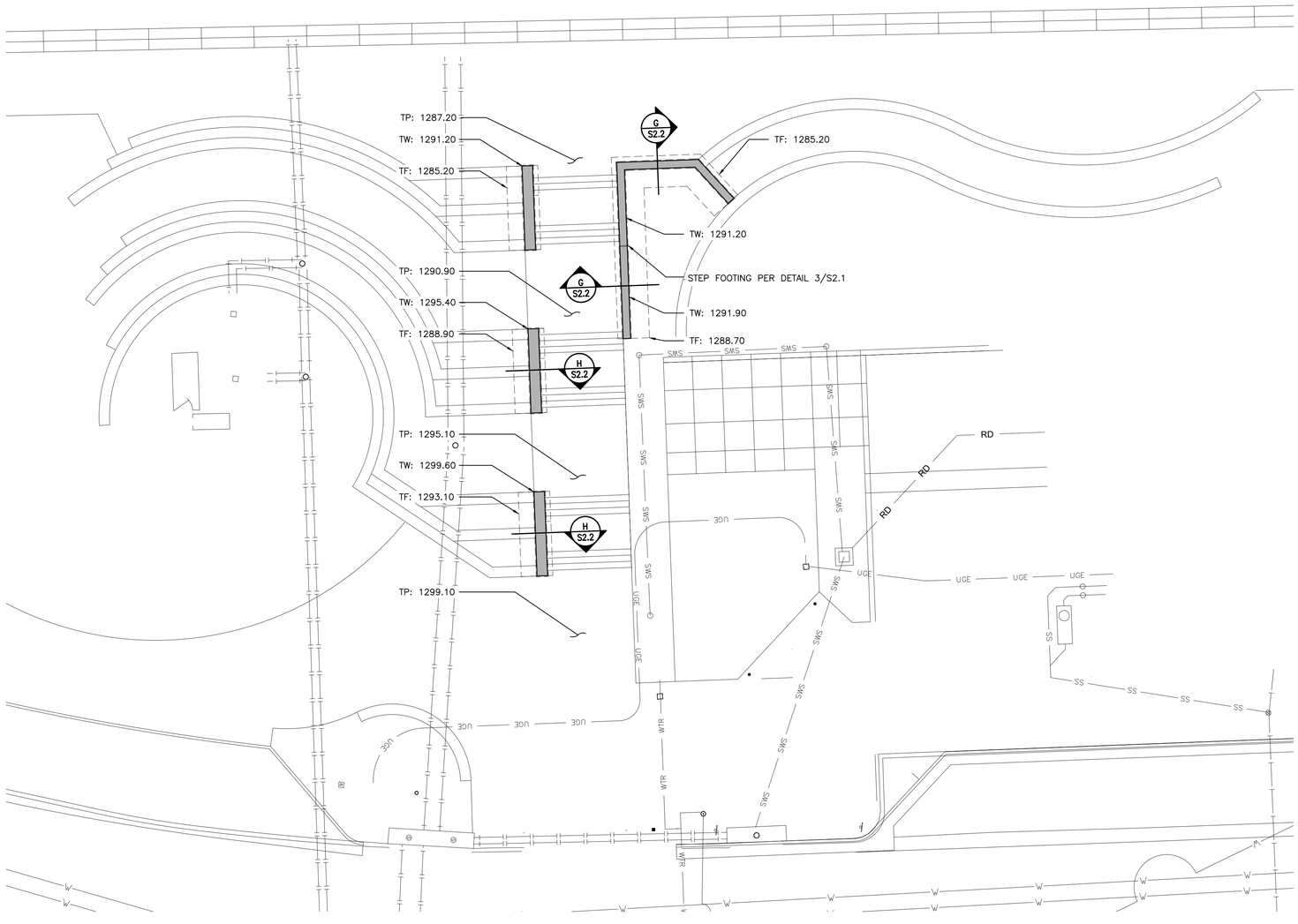

N

FOUNDATION PLAN - AREA C

SCALE: 1" = 10'-0"

NOTES:
1. REFER TO ARCHITECTURAL SITE PLANS FOR FINISH GRADE ELEVATIONS.
2. REFER TO ARCHITECTURAL SITE PLANS FOR WALL DIMENSIONS AND WORK POINTS.
3. TF = TOP OF FOOTING ELEVATION.
4. TW = TOP OF WALL ELEVATION.
5. TP = TOP OF PAVING OR FINISH GRADE ELEVATION.

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CONTACT: AJW
DRAWN: DG
CHECKED: AJW / RR

PROJECT NUMBER: 24103

SHEET TITLE: SITE FOUNDATION PLAN - AREA C

SHEET NUMBER: S1.2

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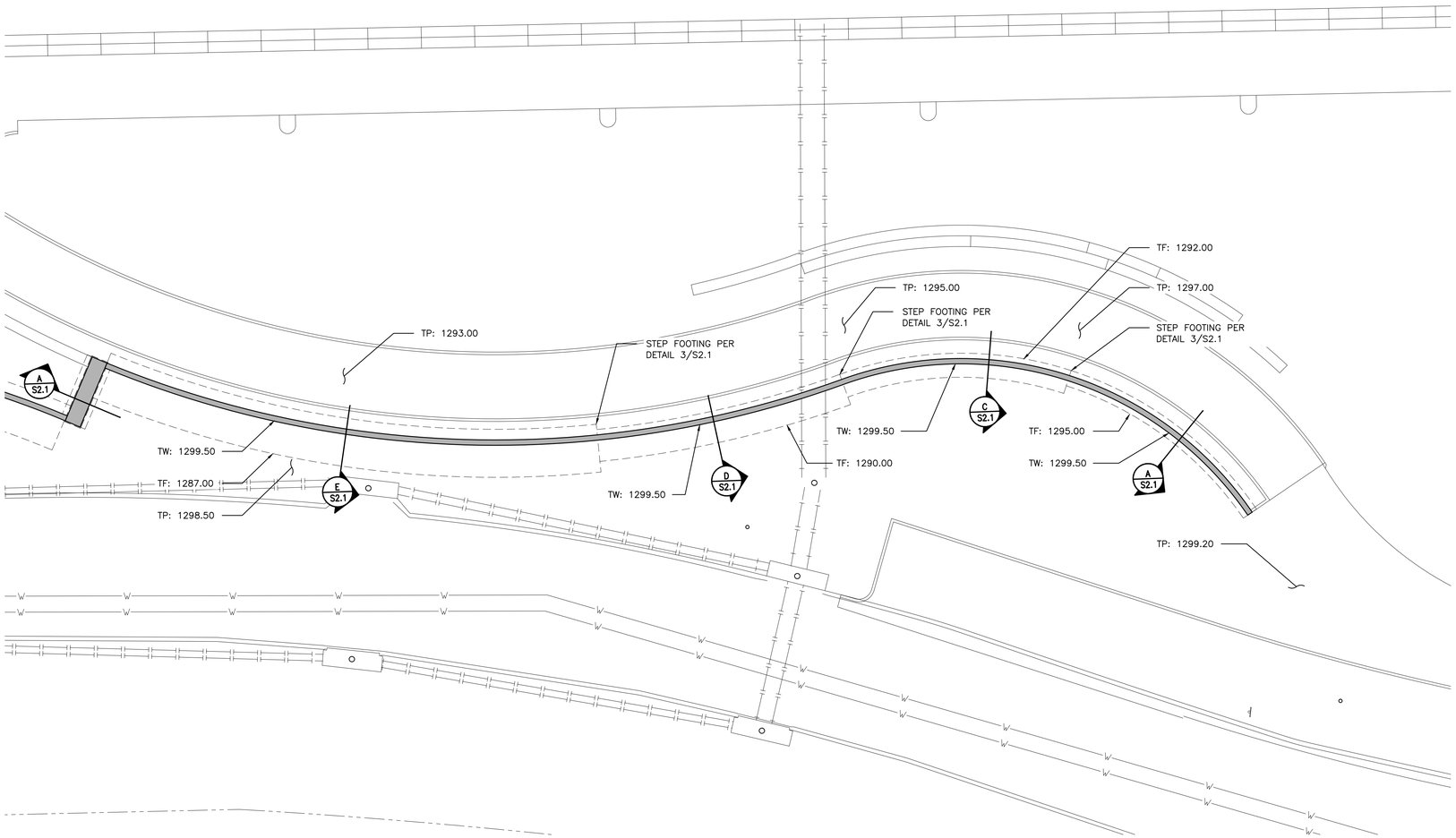

FOUNDATION PLAN - AREA D

SCALE: 1" = 10'-0"

NOTES:
1. REFER TO ARCHITECTURAL SITE PLANS FOR FINISH GRADE ELEVATIONS.
2. REFER TO ARCHITECTURAL SITE PLANS FOR WALL DIMENSIONS AND WORK POINTS.
3. TF = TOP OF FOOTING ELEVATION.
4. TW = TOP OF WALL ELEVATION.
5. TP = TOP OF PAVING OR FINISH GRADE ELEVATION.

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CONTACT: AJW
DRAWN: DG
CHECKED: AJW / RR

PROJECT NUMBER: 24103

SHEET TITLE: SITE FOUNDATION PLAN - AREA D

SHEET NUMBER: S1.3

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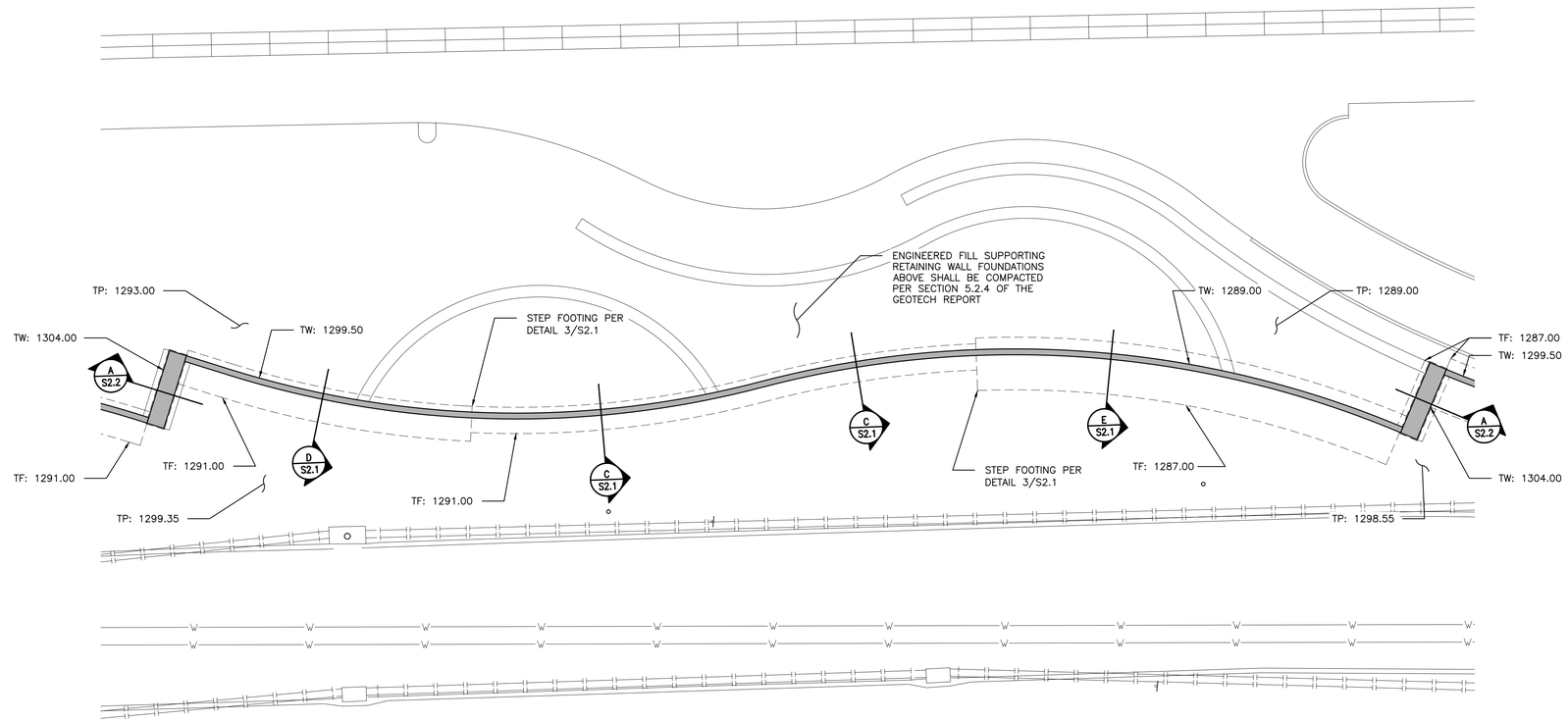

FOUNDATION PLAN - AREA E

SCALE: 1" = 10'-0"

NOTES:
1. REFER TO ARCHITECTURAL SITE PLANS FOR FINISH GRADE ELEVATIONS.
2. REFER TO ARCHITECTURAL SITE PLANS FOR WALL DIMENSIONS AND WORK POINTS.
3. TF = TOP OF FOOTING ELEVATION.
4. TW = TOP OF WALL ELEVATION.
5. TP = TOP OF PAVING OR FINISH GRADE ELEVATION.

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CONTACT: AJW
DRAWN: DG
CHECKED: AJW / RR

PROJECT NUMBER: 24103

SHEET TITLE: SITE FOUNDATION PLAN - AREA E

SHEET NUMBER: S1.4

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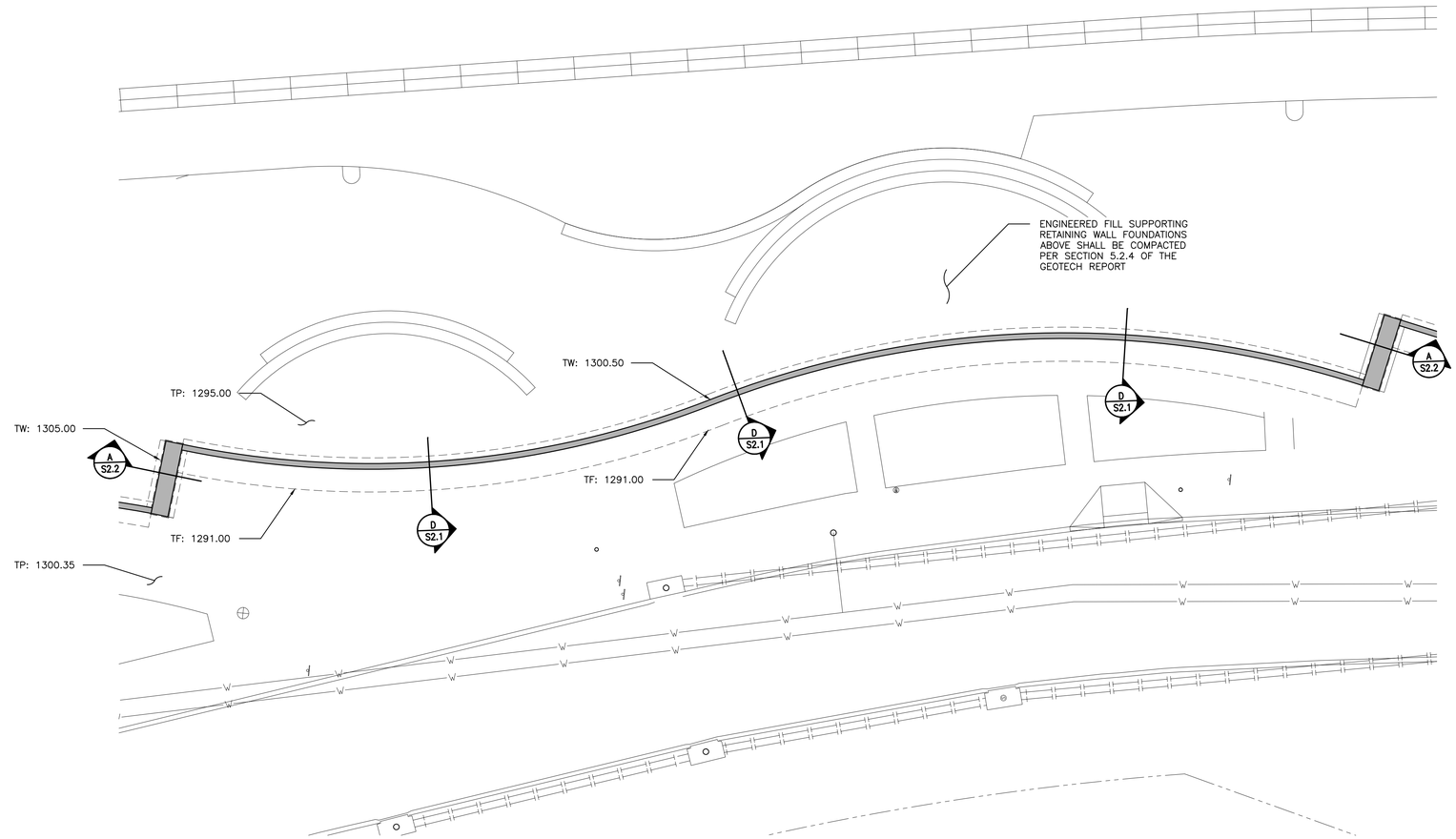

FOUNDATION PLAN - AREA F

SCALE: 1" = 10'-0"

NOTES:
1. REFER TO ARCHITECTURAL SITE PLANS FOR FINISH GRADE ELEVATIONS.
2. REFER TO ARCHITECTURAL SITE PLANS FOR WALL DIMENSIONS AND WORK POINTS.
3. TF = TOP OF FOOTING ELEVATION.
4. TW = TOP OF WALL ELEVATION.
5. TP = TOP OF PAVING OR FINISH GRADE ELEVATION.

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CONTACT: AJW
DRAWN: DG
CHECKED: AJW / RR

PROJECT NUMBER: 24103

SHEET TITLE: SITE FOUNDATION PLAN - AREA F

SHEET NUMBER: S1.5

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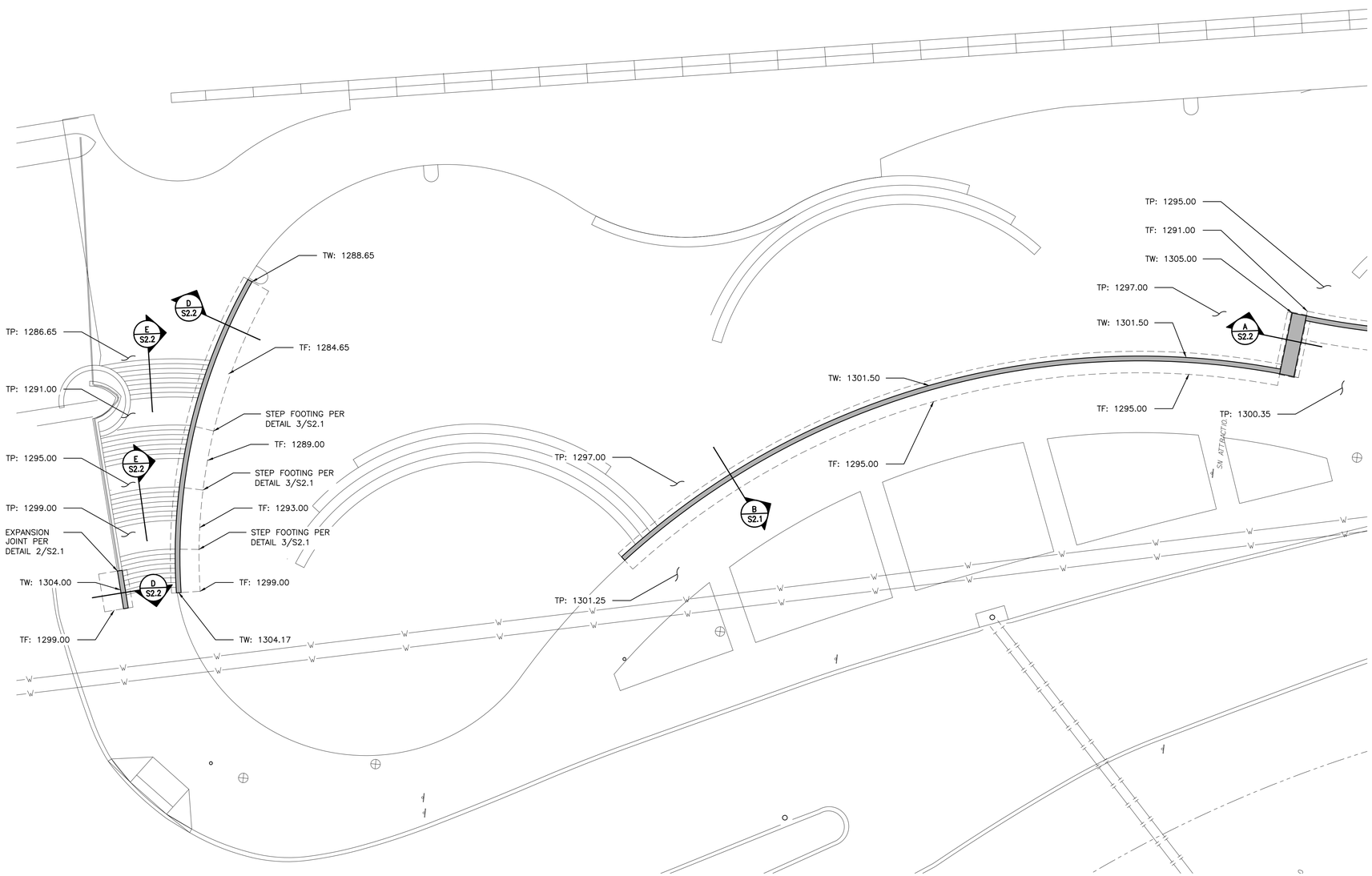

FOUNDATION PLAN - AREA G

SCALE: 1" = 10'-0"

NOTES:
1. REFER TO ARCHITECTURAL SITE PLANS FOR FINISH GRADE ELEVATIONS.
2. REFER TO ARCHITECTURAL SITE PLANS FOR WALL DIMENSIONS AND WORK POINTS.
3. TF = TOP OF FOOTING ELEVATION.
4. TW = TOP OF WALL ELEVATION.
5. TP = TOP OF PAVING OR FINISH GRADE ELEVATION.

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CONTACT: AJW
DRAWN: DG
CHECKED: AJW / RR

PROJECT NUMBER: 24103

SHEET TITLE: SITE FOUNDATION PLAN - AREA G

SHEET NUMBER: S1.6

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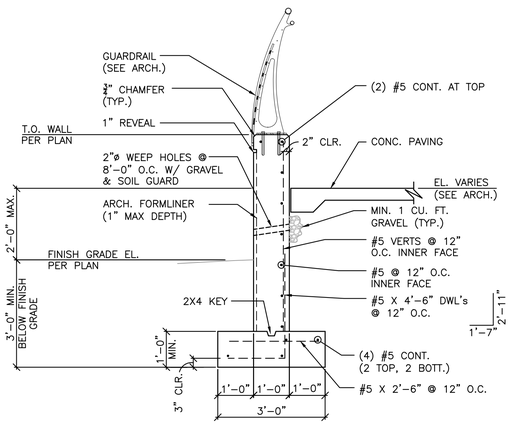
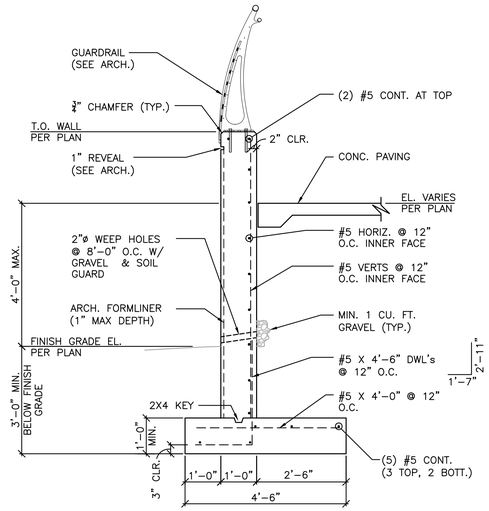
RETAINING WALL NOTES:
1. ALL SHALLOW FOUNDATIONS SHALL BEAR ON NATIVE UNDISTURBED SOILS OR ENGINEERED STRUCTURAL FILL WITH A MINIMUM NET ALLOWABLE SOIL BEARING CAPACITY OF 3000 PSF. ALL PERIMETER AND EXTERIOR FOUNDATIONS SHALL EXTEND 3' – 0" MINIMUM BELOW FINAL ADJACENT GRADE. REFER TO GEOTECHNICAL REPORT #A24125.00480.000 BY UES ENGINEERING, DATED JULY 29, 2024 AND PROJECT SPECIFICATIONS.
2. STRUCTURAL FILL BELOW RETAINING WALLS SHALL MEET THE CRITERIA OF SECTION 5.2 OF THE GEOTECH REPORT. FOUNDATIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 5.3 OF THE GEOTECH REPORT. NATIVE SOIL MOISTURE EVALUATIONS SHALL BE PERFORMED A FEW DAYS BEFORE EARTHWORK BEGINS. IF ACTUAL SITE CONDITIONS DO NOT SATISFY THE REQUIREMENTS OF THE GEOTECH REPORT, COORDINATE SOIL IMPROVEMENTS WITH STRUCTURAL ENGINEER/GEOTECHNICAL ENGINEER.
3. RETAINING WALLS ARE DESIGNED FOR LATERAL EARTH PRESSURES GIVEN IN THE GEOTECHNICAL REPORT. EQUIVALENT FLUID PRESSURE (ACTIVE) = 50 PCF (NATIVE LEAN CLAY) AND EQUIVALENT FLUID PRESSURE (PASSIVE) = 260 PCF (NATIVE LEAN CLAY).
4. WALLS DESIGNED FOR DRAINED SOILS WHERE POSSIBLE. LOCATIONS WHERE WALLS EXTEND BELOW THE FLOOD PLAIN LEVEL OF 1295.36', WALLS WERE DESIGNED FOR UNDRAINED/SATURATED SOIL CONDITIONS.
5. THE WALLS WERE DESIGNED FOR A 100 PSF SURCHARGE PRESSURE ON THE HIGH SIDE OF THE WALL.
6. REFER TO DETAIL 1/S2.1 FOR TYP. CONTROL JOINT DETAIL AT 20'–0" O.C. (MAX.)
7. REFER TO DETAIL 2/S2.1 FOR TYP. EXPANSION JOINT DETAIL AT 80'–0" O.C. (MAX.)
8. REFER TO DETAIL 3/S2.1 FOR TYP. STEP FOOTING DETAIL AT WALL TRANSITIONS.
9. REFER TO SITE PLAN FOR EXACT WALL HEIGHTS AND LOCATIONS.
10. CONTRACTOR TO VERIFY ALL DIMENSIONS AND ELEVATIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
11. IF CONDITIONS DIFFER, CONTACT THE ENGINEER.



A S2.1 2'-0" RETAINING WALL

SCALE: 1/2"=1'-0"

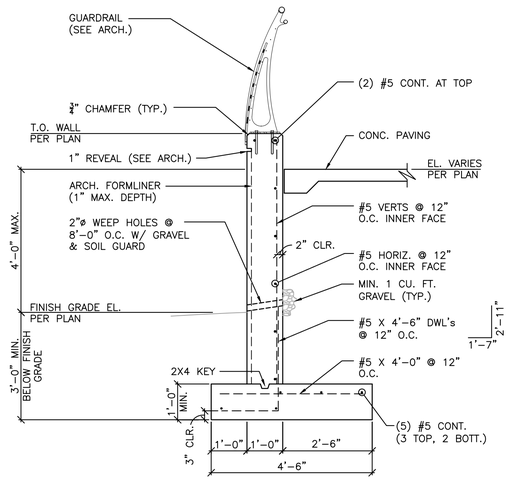
0 1 2 4



B S2.1 4'-0" RETAINING WALL

SCALE: 1/2"=1'-0"

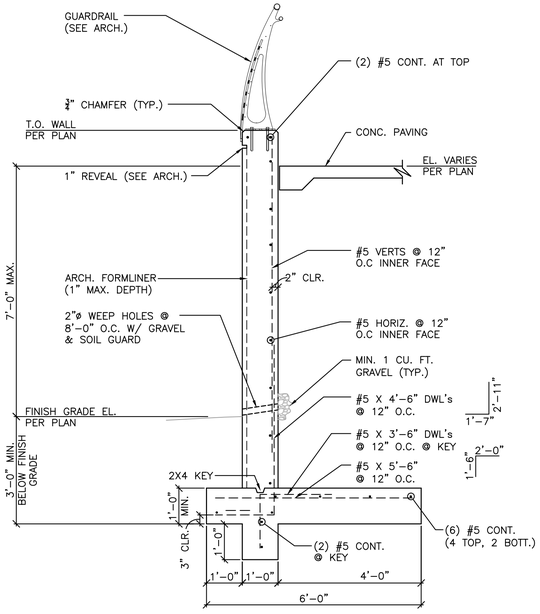
0 1 2 4



C S2.1 4'-0" RETAINING WALL

SCALE: 1/2"=1'-0"

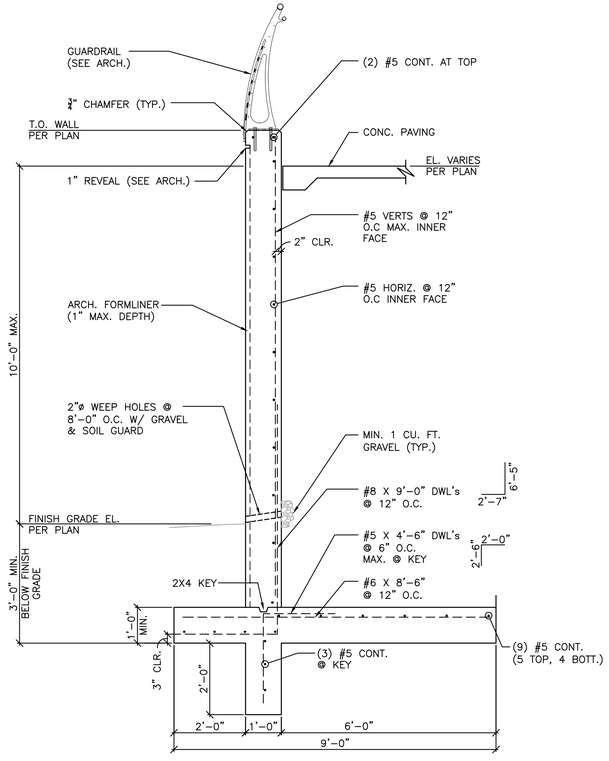
0 1 2 4



D S2.1 7'-0" RETAINING WALL

SCALE: 1/2"=1'-0"

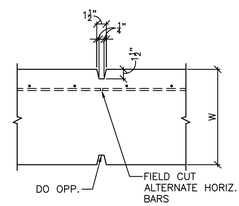
0 1 2 4



E S2.1 10'-0" RETAINING WALL

SCALE: 1/2"=1'-0"

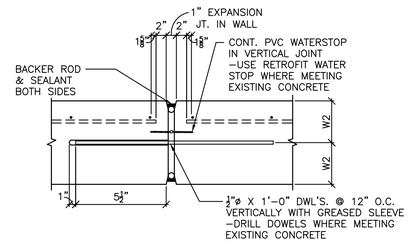
0 1 2 4



1 S2.1 CONTROL JOINT DETAIL

SCALE: N.T.S.

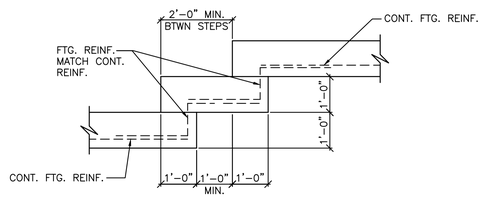
ⓒ CONC. RETAINING WALL – PLAN VIEW
(TYP. ⓒ 20'–0" O.C. MAX.)



2 S2.1 EXPANSION JOINT DETAIL

SCALE: N.T.S.

ⓒ CONC. RETAINING WALL – PLAN VIEW
(TYP. ⓒ 80'–0" O.C. MAX.)



3 S2.1 TYP. STEPPED FTG.

SCALE: N.T.S.

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CONTACT: AJW
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PROJECT NUMBER: 24103

SHEET TITLE: RETAINING WALL SECTIONS

SHEET NUMBER: S2.1

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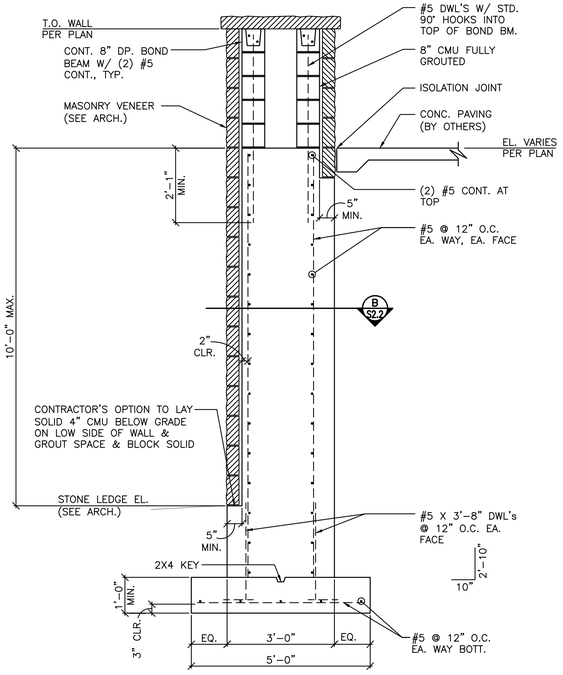
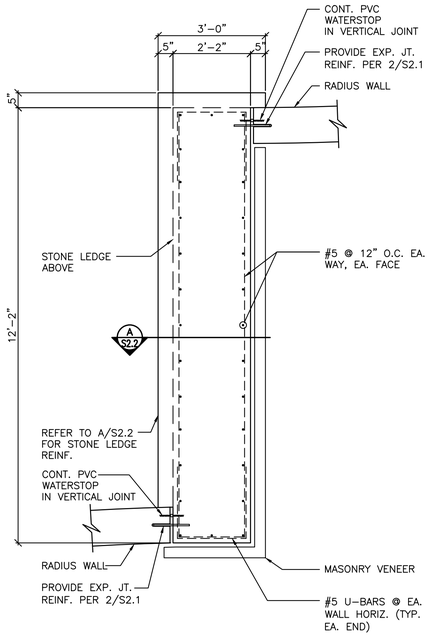


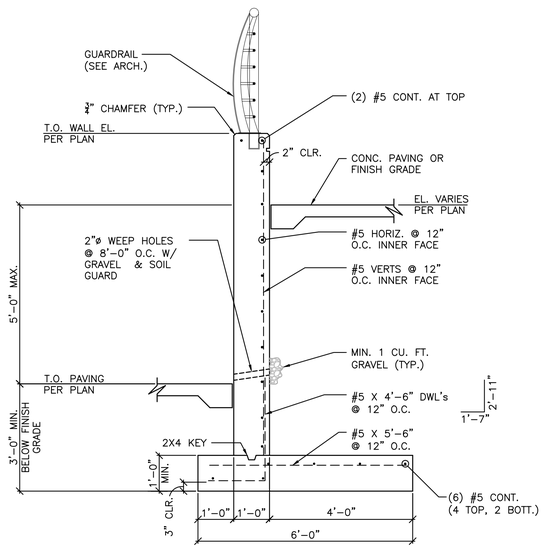
A S2.2 SECTION @ STONE WALL

SCALE: 1/2"=1'-0"



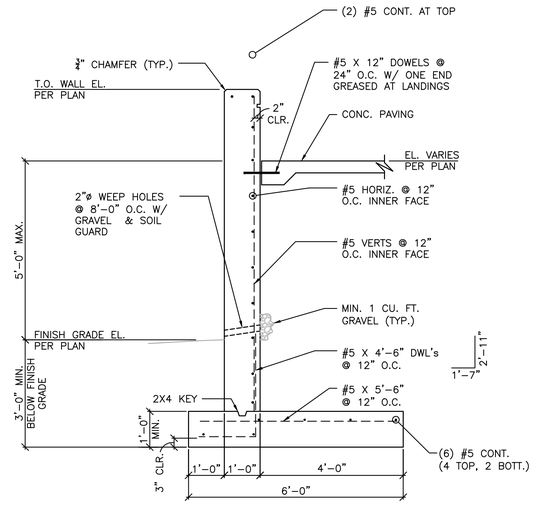
B S2.2 DETAIL @ STONE WALL

SCALE: 1/2"=1'-0"



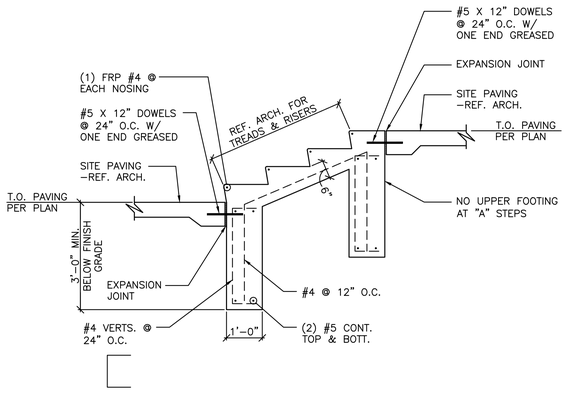
C S2.2 SITE WALL "A"

SCALE: 1/2"=1'-0"



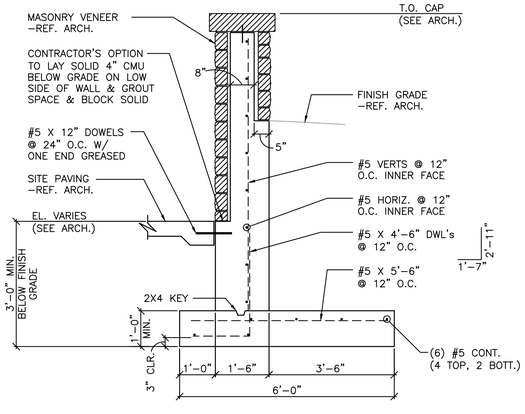
D S2.2 SITE WALL "B"

SCALE: 1/2"=1'-0"



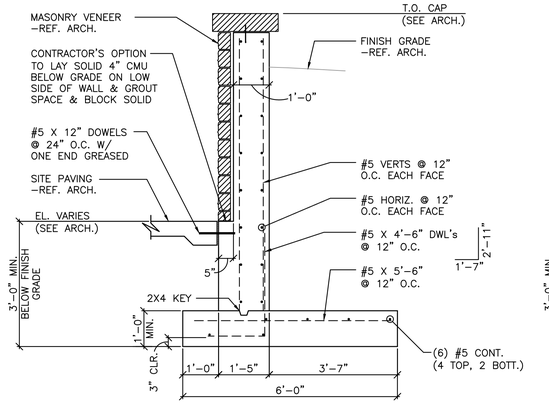
E S2.2 CONCRETE STEPS "A" & "B"

SCALE: 1/2"=1'-0"



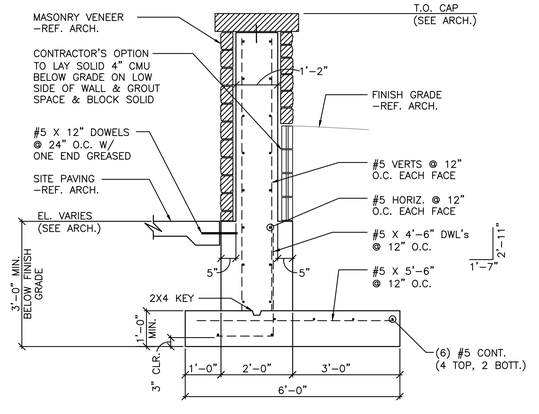
F S2.2 SITE WALL "C"

SCALE: 1/2"=1'-0"



G S2.2 SITE WALL "D"

SCALE: 1/2"=1'-0"



H S2.2 SITE WALL "E"

SCALE: 1/2"=1'-0"

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RIVER CORRIDOR IMPROVEMENTS
WEST BANK - RIVERFRONT STADIUM
WICHITA, KS

LK ARCHITECTURE
345 Riverview, Suite 200, Wichita, KS 67203
T 316.268.0230 F 316.268.0205

AARON JOSEPH WOLF LICENSED 28000 KANSAS PROFESSIONAL ENGINEER
2/28/25

MKEC
Wichita, KS • 316.684.9600
MKEC Project No. 2401010042

CONTACT: AJW
DRAWN: DG
CHECKED: AJW / RR

PROJECT NUMBER: 24103

SHEET TITLE: RETAINING WALL SECTIONS

SHEET NUMBER: S2.2

LIGHTING FIXTURE SCHEDULE

LETTER DESIG.	MANUFACTURER	CATALOG NUMBER	VOLTAGE	LAMPS NO.	LAMPS TYPE	MOUNTING	FINISH TRIM	TOTAL VA	REMARKS
A	SUN VALLEY LIGHTING	CS-1555-REV.2/XBC(MOD)-WM/OV1-LED/PLED-II/36LED-350mA/NW/277/1/RAL9005T/CP/SF	277	1	L.E.D.'S WITH UNIT	POLE (2)	TEXTURED BLACK	45	(1) W/FUSE HOLDER FUSE AT 5 AMPS.
B	SUN VALLEY LIGHTING	CS-1555-REV.2/XBC(MOD)-WM/OV1-LED/PLED-IV/36LED-350mA/NW/277/1/RAL9005T/CP/SF	277	1	L.E.D.'S WITH UNIT	POLE (2)	TEXTURED BLACK	45	(1) W/FUSE HOLDER FUSE AT 5 AMPS.
C	SUN VALLEY LIGHTING	CS-1555-REV.2/XBC(MOD)-WM/OV1-LED/PLED-V-SQ-M/36LED-350mA/NW/277/1/RAL9005T/CP/SF	277	1	L.E.D.'S WITH UNIT	POLE (2)	TEXTURED BLACK	45	(1) W/FUSE HOLDER FUSE AT 5 AMPS.
D	SUN VALLEY LIGHTING	(2) CS-1555-REV.2/XBC(MOD)-WM/OV1-LED/PLED-V-SQ-W/36LED-350mA/NW/277/1/RAL9005T/CP/SF	277	–	L.E.D.'S WITH UNIT	POLE (3)	TEXTURED BLACK	90	(1) W/FUSE HOLDER FUSE AT 5 AMPS.
F	ERALUX	AE-OD-DN26-C35-42-8-4-80-B-M	277	–	L.E.D.'S WITH UNIT	CONCRETE BASE	BLACK	40	(1) SEE MOUNTING DETAIL D/SE1.2.
G	ARCLUCE	Q-TH5774US-21S	277	–	L.E.D.'S WITH UNIT	WALL RECESSED	ALUMINUM	20	(4)
H	STERNBERG	PT-1760LED-DR-R3-1L40T5-MDL16-CA-SV2C-BKT	277	–	L.E.D.'S WITH UNIT	POLE SEE DTL. C/SE1.2	BLACK TEXTURED	100	(1)

LIGHTING FIXTURE SCHEDULE KEY NOTES:

(1) LIGHTING FIXTURES, POLES AND ANCHOR BOLTS FURNISHED BY THE CITY OF WICHITA. CONTRACTOR TO PICK-UP AT CITY YARD AND DELIVER TO PROJECT SITE.

(2) 15'-10" PRESTRESSED CONCRETE POLE WITH GRAY CEMENT NATURAL EXPOSED AGGREGATE FINISH – AMERON POLE PRODUCTS CATALOG No.: VBS04.7-113A WITH HAND HOLE AT 0°, SINGLE FIXTURE SIDEMOUNT INSERTS AT 180° AND GROUNDING LUG INSTALLED WITHIN POLE ADJACENT TO HAND HOLE. SEE POLE MOUNTING DETAIL 'A' ON SHEET NUMBER SE1.2.

(3) 13'-4" PRESTRESSED CONCRETE POLE WITH GRAY CEMENT NATURAL EXPOSED AGGREGATE FINISH – AMERON POLE PRODUCTS CATALOG No.: VBS04.0-113A WITH HAND HOLE AT 0°, DOUBLE FIXTURE SIDEMOUNT INSERTS AT 90° AND AT 270° AND GROUNDING LUG INSTALLED WITHIN POLE ADJACENT TO HAND HOLE. SEE POLE MOUNTING DETAIL 'B' ON SHEET NUMBER SE1.2.

(4) LIGHTING FIXTURE FURNISHED BY CONTRACTOR. LIGHTING FIXTURE TRIM TO FIT FLUSH WITH FINISHED WALL. BOTTOM OF TRIM 24" ABOVE FINISHED PAVEMENT.

WITH SERVICE ENTRANCE RATING AND GROUND BUS — **PANEL A** — S.C. RATING 18,000 AIC.

TYPE NF — 277/480 V 3 Ø 4 W,SN — SURFACE MOUNTED — 100 AMP. MAIN C.B.

	CKT No.	DESCRIPTION	WIRE SIZE	KVA	AMP	Ø A	Ø B	Ø C	AMP	KVA	WIRE SIZE	DESCRIPTION	CKT No.	
(1)	1	SURGE PROTECTIVE DEVICE	–	–	30				20	2.0	12	TRANSFORMER/RECEPTS.	2	
	3	↓			↓				20	1.0	10	PILASTER WALL ARTWORK/LIGHTS (FUTURE)	4	(2)
	5	↓			↓				20	1.0	10	SIDEWALK ARTWORK/LIGHTS (FUTURE)	6	(2)
(2)	7	BOLLARD & STAIR LIGHTS	10	1.1	20				20	–	–	SPARE	8	
(2)	9	SOUTH STREET LIGHT POLES	10	1.7	20				20	–	–	SPARE	10	
(2)	11	NORTH STREET LIGHT POLES	10	2.7	20				20	–	–	SPARE	12	
(2)	13	BIKE PATH LIGHT POLES	10	1.4	20				20	–	–	SPARE	14	
	15	LIGHTING CONTROL CIRCUIT	12	.1	20				20	–	–	SPARE	16	
	17	SPACE ONLY	–	–	–				–	–	–	SPACE ONLY	18	
	19	SPACE ONLY	–	–	–				–	–	–	SPACE ONLY	20	
	21	SPACE ONLY	–	–	–				–	–	–	SPACE ONLY	22	
	23	SPACE ONLY	–	–	–				–	–	–	SPACE ONLY	24	
	25	SPACE ONLY	–	–	–				–	–	–	SPACE ONLY	26	
	27	SPACE ONLY	–	–	–				–	–	–	SPACE ONLY	28	
	29	SPACE ONLY	–	–	–				–	–	–	SPACE ONLY	30	

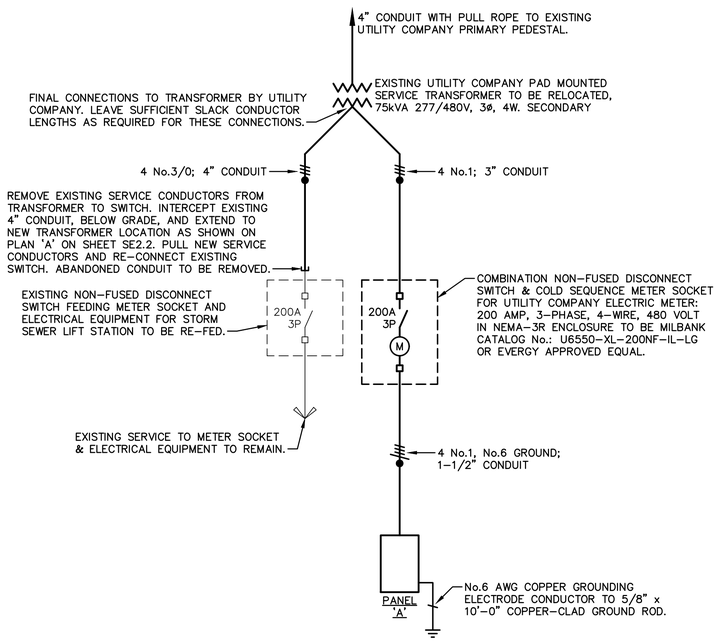
PANEL SCHEDULE KEY NOTES:

(1) CONNECT TO SURGE PROTECTIVE DEVICE WITH PRE-WIRED LEADS FURNISHED WITH UNIT.

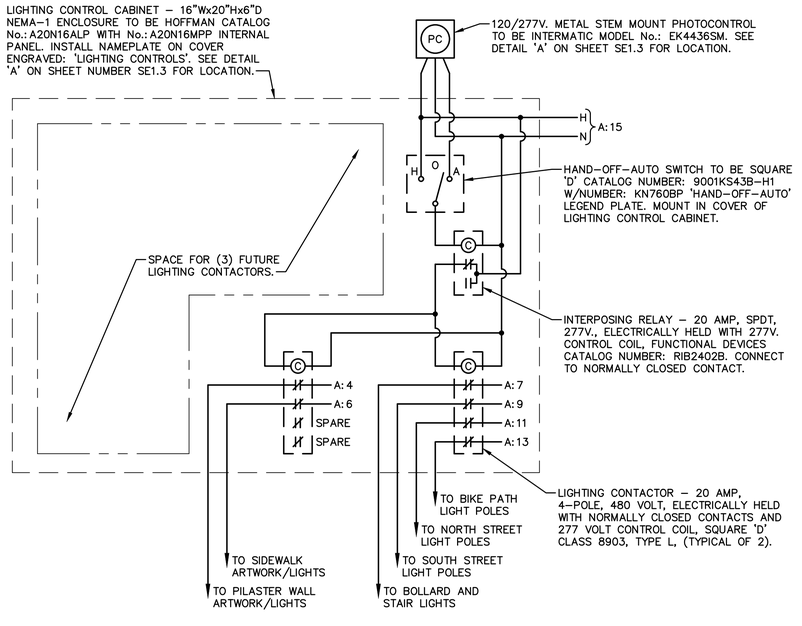
(2) CIRCUIT CONNECTED VIA LIGHTING CONTACTOR, SEE LIGHTING CONTROL DIAGRAM 'B' THIS SHEET.

SYMBOL LIST

SYMB.	DESCRIPTION	MOUNTING OR AS INDICATED
A	LIGHT POLE WITH LETTER DESIGNATION	POLE
A	LIGHT FIXTURE WITH LETTER DESIGNATION	SURFACE OR POLE
A	LIGHT FIXTURE WITH LETTER DESIGNATION	WALL
	GFCI DUPLEX RECEPTACLE	WALL
J	JUNCTION BOX – SEE DETAIL B/SE2.2	FLUSH WITH GRADE/PAVEMENT
	SPECIAL DEVICE (AS NOTED)	
	ELECTRICAL PANELBOARD (SURFACE MTD.)	WALL
	'HOME RUN' W/2 HOTS, 1 NEUTRAL & GROUND	EARTH
	CONDUIT RUN W/1 HOT, NEUTRAL & GROUND	EARTH
AFF	ABOVE FINISHED FLOOR/PAVEMENT	
AFG	ABOVE FINISHED GRADE	
C	CONDUIT	
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	
UON	UNLESS OTHERWISE NOTED	
WP	WEATHER-PROOF	



A ONE-LINE DIAGRAM N.T.S.



B LIGHTING CONTROL DIAGRAM N.T.S.

GENERAL NOTES:

1. ALL RACEWAYS TO BE 1" TRADE SIZE MINIMUM EXCEPT 1/2" TRADE SIZE PERMITTED FOR FEEDING LIGHTING FIXTURES TYPE 'F' & 'G' AND AS OTHERWISE NOTED ON DRAWINGS.
2. ALL UNDERGROUND RACEWAYS TO BE MINIMUM 30" BELOW FINISHED GRADE/PAVEMENT.
3. ALL RACEWAYS IN EARTH TO BE SCHEDULE 40 PVC.
4. ALL CONDUCTORS TO BE COPPER, No.10 AWG MINIMUM WITH TYPE THWN INSULATION.
5. CONTRACTOR SHALL PROVIDE ALL TRENCHING AND BORING REQUIRED FOR INSTALLATION OF UNDERGROUND ELECTRICAL RACEWAYS.
6. ELECTRICAL RACEWAYS INSTALLED BELOW EXISTING PAVEMENT SURFACES TO REMAIN SHALL BE BORED.
7. REFERENCE CIVIL DRAWINGS AND SPECIFICATIONS FOR TRENCHING AND BACKFILL REQUIREMENTS.
8. INSTALL TYPEWRITTEN CIRCUIT DIRECTORY ON INSIDE COVER OF EACH PANEL. DIRECTORY TO INDICATE ALL LOADS SERVED AND SPARE CIRCUIT BREAKERS.
9. CONTRACTOR SHALL COORDINATE AND PROVIDE ALL NECESSARY MATERIALS, INSTALLATIONS AND FEES FOR ELECTRICAL SERVICES AS REQUIRED BY EVERGY. FAILURE TO COORDINATE REQUIREMENTS WILL NOT RESULT IN ADDITIONAL COMPENSATION TO THE CONTRACTOR. EVERGY CONTACT:
10. EVERGY CONTACT:
    MR. SHANE PRICE
    PHONE: (316) 261-6315
    E-MAIL: Shane.Price@evergy.com

PRINTS ISSUED

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01.15.25	PERMIT REVIEW	
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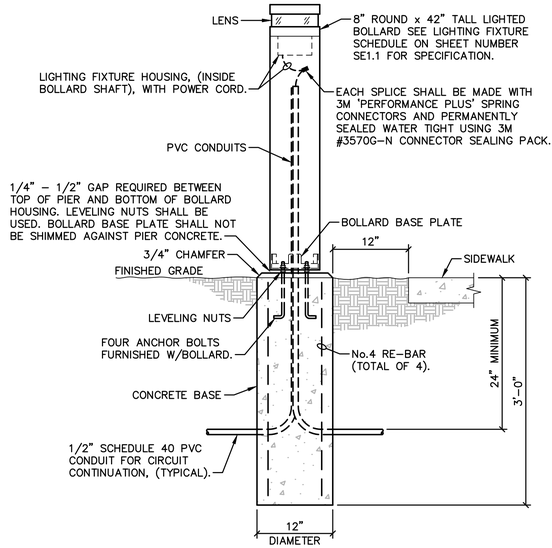
STEVE E. BERRY LICENSED 12178 PROFESSIONAL ENGINEER
01/15/2025

CONTACT: J. BEST
DRAWN: ST
CHECKED:

PROJECT NUMBER: 24103

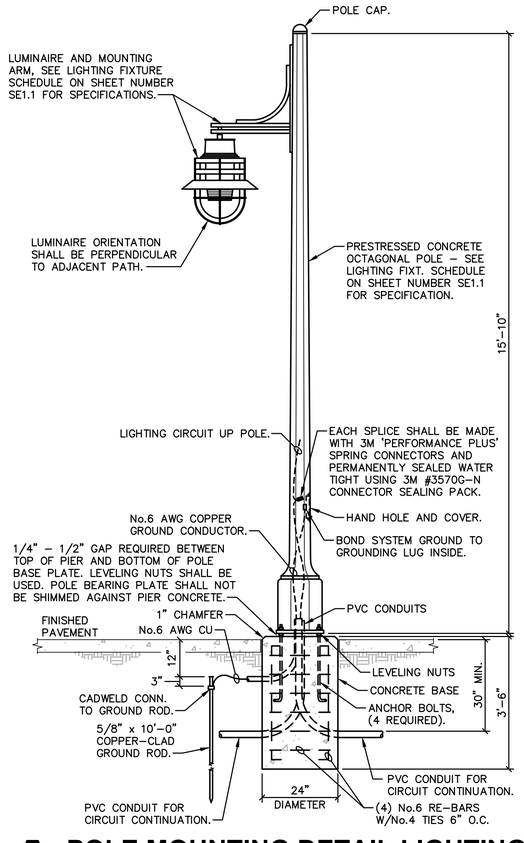
SHEET TITLE: ELECTRICAL SYMBOL LIST, SCHEDULES AND DETAILS

SHEET NUMBER: SE1.1



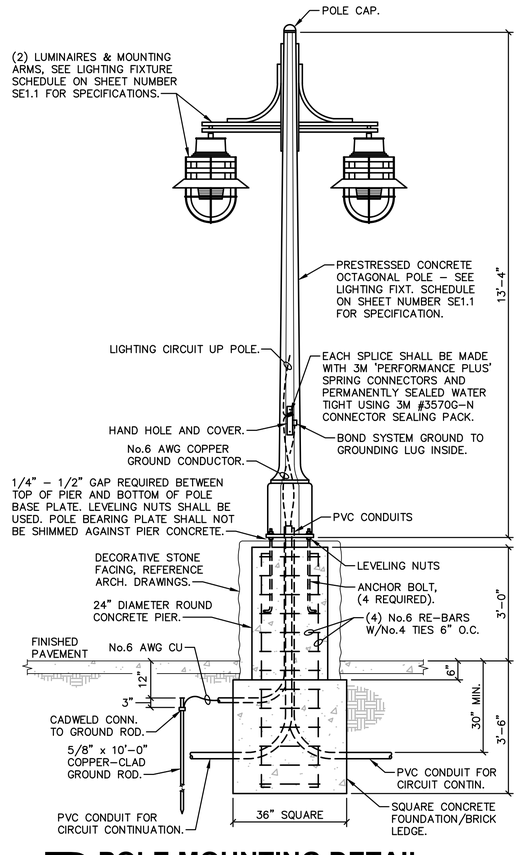
D BOLLARD MOUNTING DETAIL LIGHTING FIXTURE TYPE "F"

N.T.S.



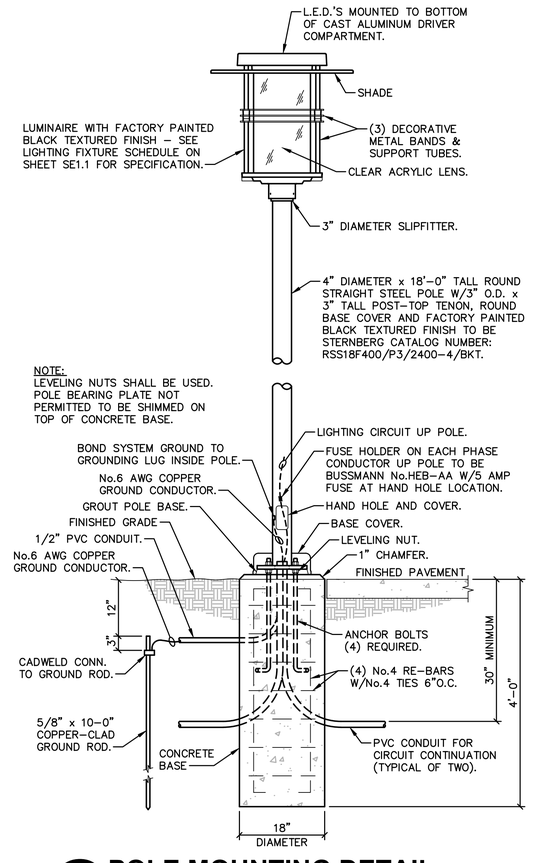
A POLE MOUNTING DETAIL LIGHTING FIXTURES TYPE "A", "B" AND "C"

N.T.S.



B POLE MOUNTING DETAIL LIGHTING FIXTURE TYPE "D"

N.T.S.



C POLE MOUNTING DETAIL LIGHTING FIXTURE TYPE "H"

N.T.S.

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CONTACT: J. BEST
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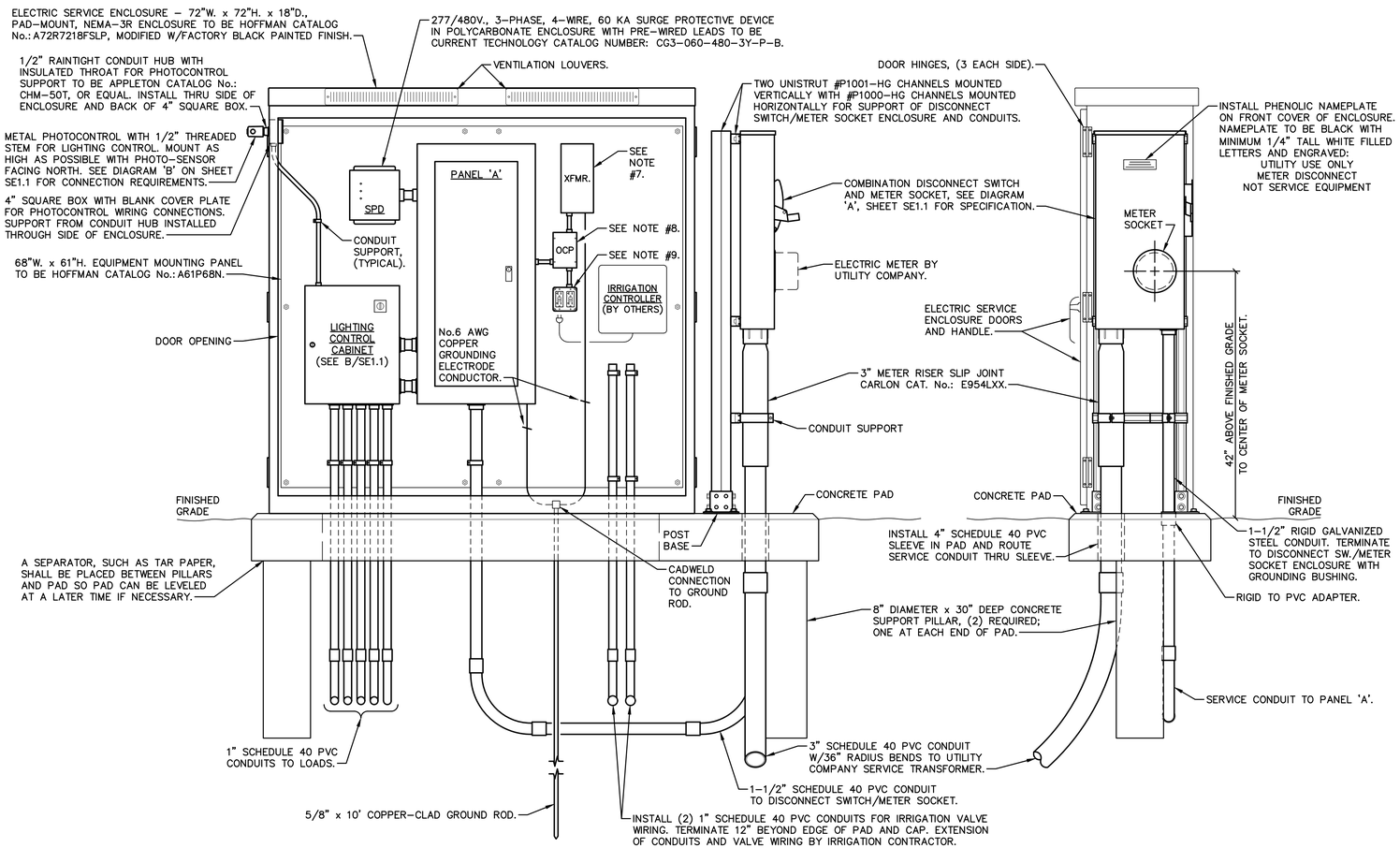
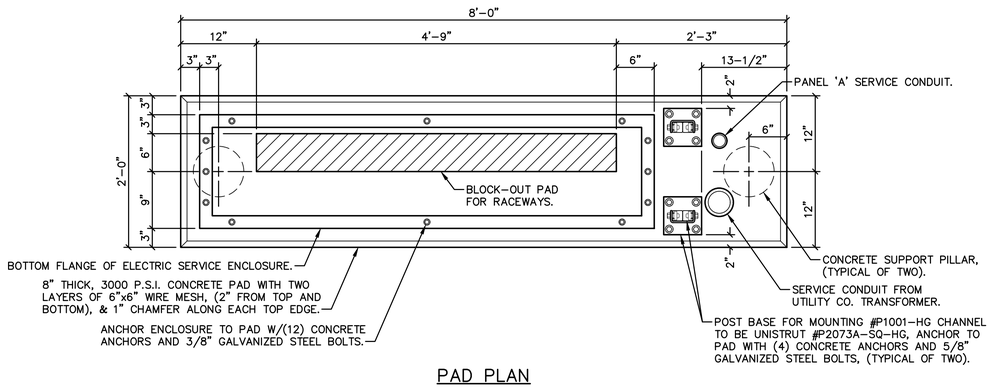
PROJECT NUMBER: 24103

SHEET TITLE: ELECTRICAL DETAILS

SHEET NUMBER: SE1.2





PAD PLAN

NOTES:

1. ELECTRIC SERVICE ENCLOSURE INCLUDES TWO 36" WIDE BY FULL HEIGHT, OVERLAPPING DOORS WITH NO CENTER POST, (DOORS NOT SHOWN ON NORTH ELEVATION).
2. SERVICE ENCLOSURE DOOR HANDLE INCLUDES PADLOCK HASP. FURNISH AND INSTALL PADLOCK KEYED PER THE CITY OF WICHITA REQUIREMENTS.
3. ALL WIRING WITHIN SERVICE ENCLOSURE TO BE INSTALLED IN RACEWAYS, NO OPEN WIRING PERMITTED EXCEPT LOW–VOLTAGE IRRIGATION WIRING CONNECTIONS AT IRRIGATION CONTROLLER.
4. BOND ELECTRIC SERVICE ENCLOSURE AND EACH OF ITS DOORS TO PANEL 'A' EQUIPMENT GROUND BUS WITH No.6 AWG COPPER EQUIPMENT GROUND CONDUCTORS.
5. FURNISH ALL HARDWARE AS REQUIRED TO ASSEMBLE UNISTRUT CHANNELS AND POST BASES. CHANNELS, POST BASES AND HARDWARE TO HAVE HOT DIPPED, GALVANIZED FINISH & SHALL BE FIELD PAINTED BLACK.
6. 2.0 KVA, 1–PHASE, ENCAPSULATED TRANSFORMER W/277 VOLT PRIMARY AND 120 VOLT SECONDARY. CONNECT NON–FUSED SECONDARY LEG TO GROUNDING ELECTRODE CONDUCTOR AND BOND TO TRANSFORMER ENCLOSURE WITH No.8 AWG COPPER BONDING JUMPER.
7. TWO CLASS CC FUSE BLOCKS FOR TRANSFORMER PRIMARY AND SECONDARY OVERCURRENT PROTECTION MOUNTED IN NEMA–1 ENCLOSURE. FUSE PRIMARY AT 10 AMPS AND SECONDARY AT 20 AMPS WITH BUSSMANN TYPE LP–CC FUSES OR EQUAL. INSTALL NAMEPLATE ON COVER ENGRAVED: 'TRANSFORMER FUSES'.
8. TWO 20 AMP/125 VOLT, GFCI DUPLEX RECEPTACLES IN SURFACE BOX AND COVER. FEED FROM FUSED SIDE OF TRANSFORMER SECONDARY WITH 3 No.12 IN 1/2" CONDUIT.

A ELECTRIC SERVICE ENCLOSURE

N.T.S.

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STEVE E. BERRY LICENSED 12178 PROFESSIONAL ENGINEER
01/15/2025

CONTACT: J. BEST
DRAWN: ST
CHECKED:

PROJECT NUMBER: 24103

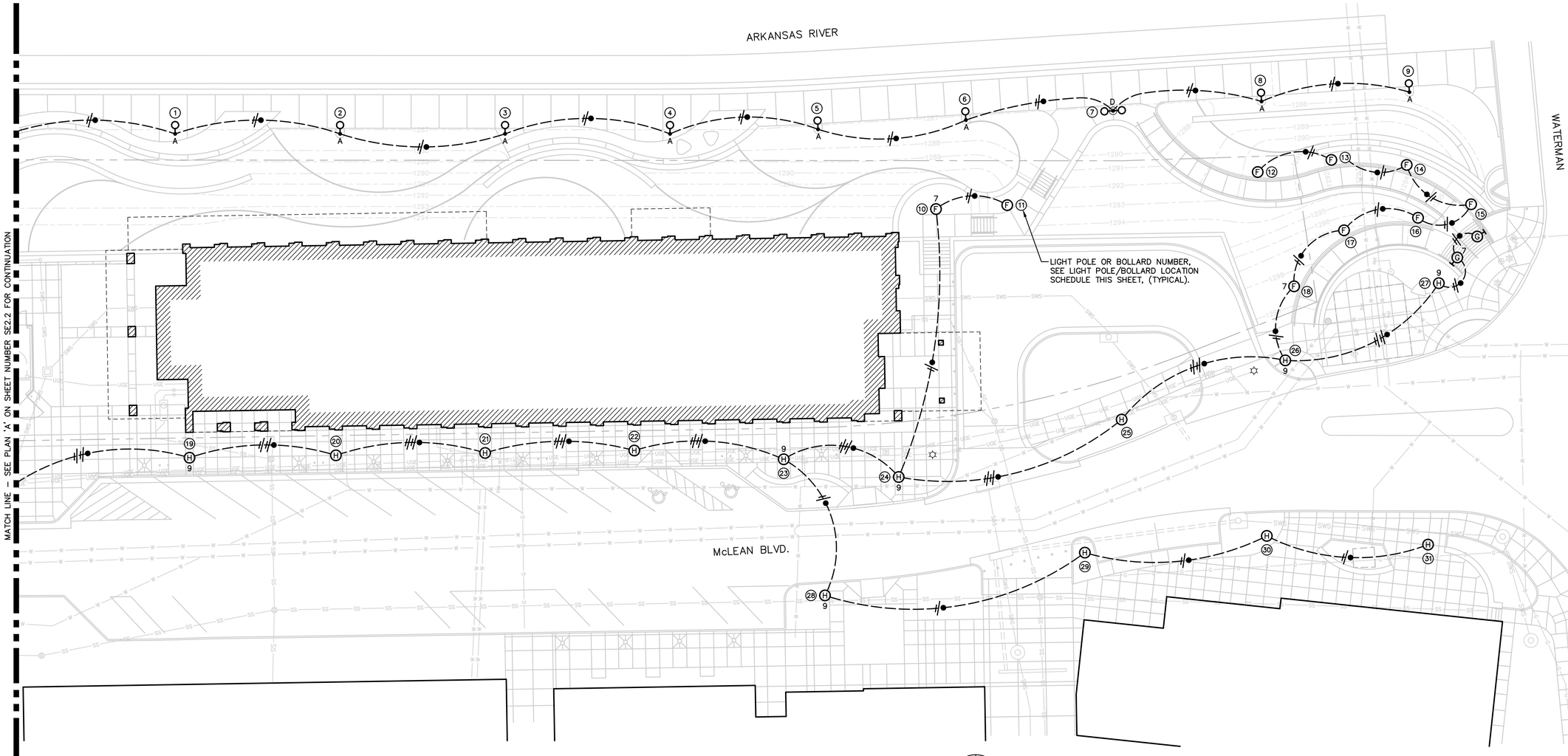
SHEET TITLE: ELECTRICAL DETAILS

SHEET NUMBER: SE1.3

LIGHT POLE/BOLLARD LOCATION SCHEDULE – AREA 'A'

POLE/BOLLARD NUMBER	LOCATION COORDINATES		TOP OF FOOTING ELEVATION	POLE/BOLLARD NUMBER	LOCATION COORDINATES		TOP OF FOOTING ELEVATION	POLE/BOLLARD NUMBER	LOCATION COORDINATES		TOP OF FOOTING ELEVATION
	NORTHING	EASTING			NORTHING	EASTING			NORTHING	EASTING	
①	N 1684368.9378	E 1647220.2597	1287.10	⑫	N 1683983.3082	E 1647254.4919	1291.00	㉓	N 1684138.6120	E 1647131.9570	1298.70
②	N 1684310.4373	E 1647227.6154	1287.10	⑬	N 1683957.6032	E 1647262.1026	1292.25	㉔	N 1684097.0337	E 1647130.8044	1298.35
③	N 1684251.9367	E 1647234.9712	1287.10	⑭	N 1683930.9103	E 1647263.6763	1294.00	㉕	N 1684020.5456	E 1647161.1203	1298.90
④	N 1684193.4361	E 1647242.3270	1287.10	⑮	N 1683906.5307	E 1647252.6937	1295.25	㉖	N 1683965.1527	E 1647189.4249	1299.50
⑤	N 1684141.1435	E 1647250.5419	1287.10	⑯	N 1683924.4689	E 1647245.4245	1295.50	㉗	N 1683914.1416	E 1647223.6442	1300.00
⑥	N 1684089.1331	E 1647260.4183	1287.10	⑰	N 1683949.8287	E 1647237.7684	1297.00	㉘	N 1684117.8969	E 1647085.5107	1299.00
⑦	N 1684037.1266	E 1647270.3152	1287.10	⑱	N 1683964.8431	E 1647215.9440	1298.50	㉙	N 1684027.6604	E 1647112.2810	1299.00
⑧	N 1683985.1200	E 1647280.2121	1287.10	⑲	N 1684349.3923	E 1647106.0126	1298.85	㉚	N 1683963.8678	E 1647126.3330	1298.90
⑨	N 1683933.1135	E 1647290.1090	1287.10	⑳	N 1684297.5810	E 1647113.3859	1299.00	㉛	N 1683906.3059	E 1647130.4427	1298.90
⑩	N 1684095.4014	E 1647227.5689	1294.50	㉑	N 1684244.7789	E 1647120.8944	1299.00				
⑪	N 1684070.6651	E 1647232.0769	1290.85	㉒	N 1684191.9771	E 1647128.4057	1298.90				

NOTE: LOCATION COORDINATES ARE TO THE CENTER OF THE LIGHT POLE OR BOLLARD.



A ELECTRICAL PLAN - AREA "A"

1" = 20'-0"

0 10 20 40

NORTH

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01/15/2025

CONTACT: J. BEST
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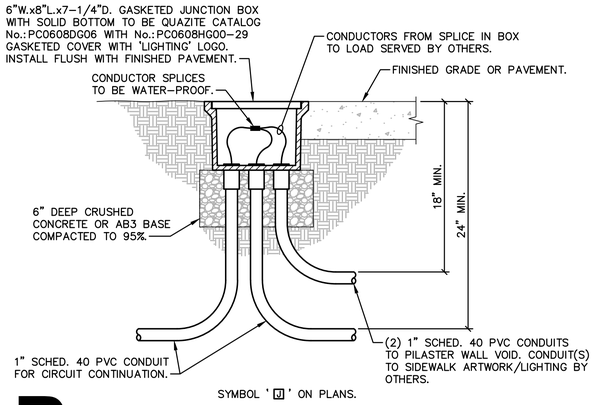
CHECKED: .

PROJECT NUMBER: 24103

SHEET TITLE: ELECTRICAL PLAN - AREA "A"

SHEET NUMBER: SE2.1

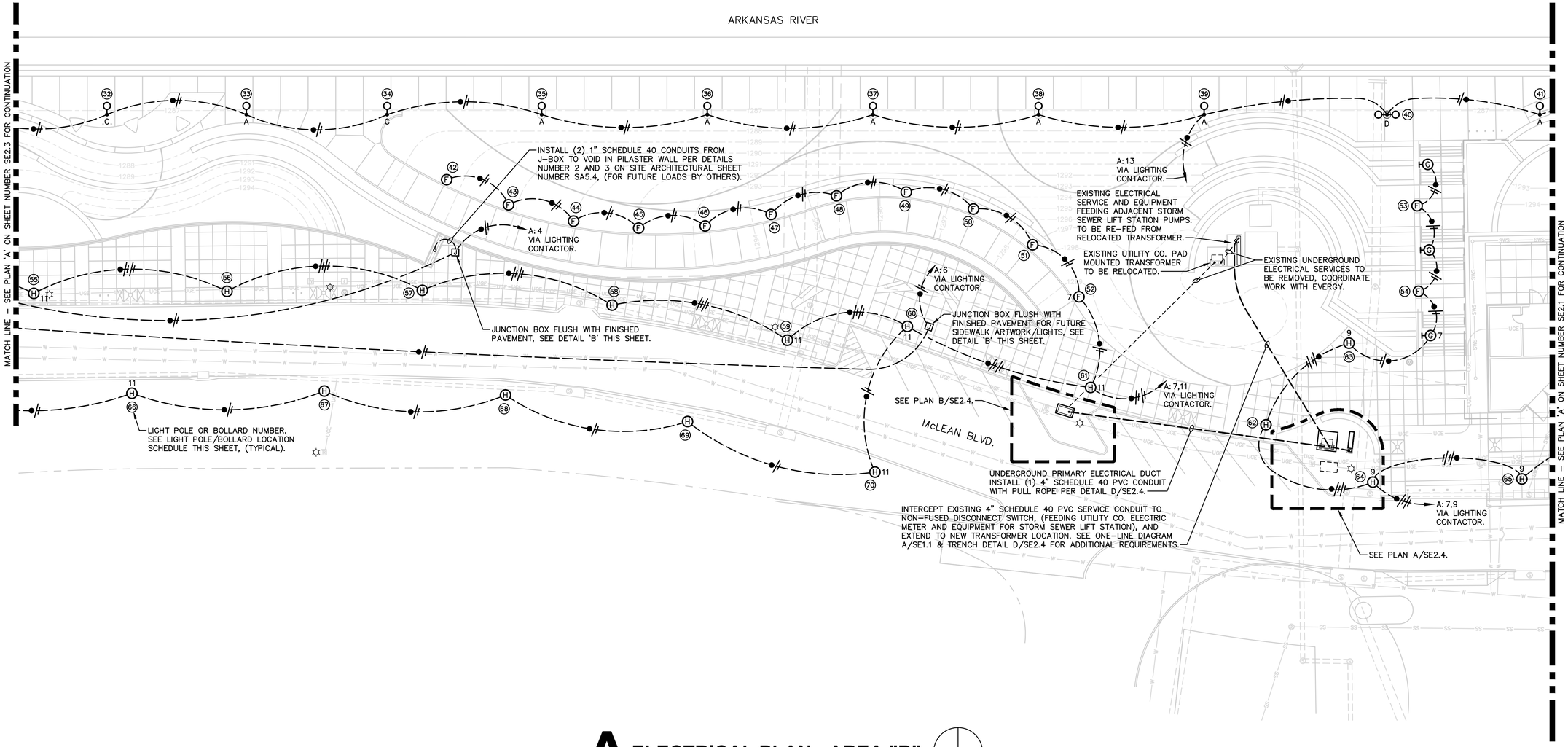


B JUNCTION BOX INSTALLATION DETAIL

N.T.S.

LIGHT POLE/BOLLARD LOCATION SCHEDULE – AREA 'B'

POLE/BOLLARD NUMBER	LOCATION COORDINATES		TOP OF FOOTING ELEVATION	POLE/BOLLARD NUMBER	LOCATION COORDINATES		TOP OF FOOTING ELEVATION	POLE/BOLLARD NUMBER	LOCATION COORDINATES		TOP OF FOOTING ELEVATION
	NORTHING	EASTING			NORTHING	EASTING			NORTHING	EASTING	
32	N 1684942.9684	E 1647148.0819	1287.10	45	N 1684746.6732	E 1647130.8261	1292.50	58	N 1684752.7758	E 1647102.4319	1298.30
33	N 1684892.8446	E 1647154.3844	1287.10	46	N 1684722.7768	E 1647134.6168	1293.50	59	N 1684688.2028	E 1647097.7617	1298.60
34	N 1684842.2430	E 1647160.7470	1287.10	47	N 1684699.5240	E 1647141.7500	1294.50	60	N 1684645.6852	E 1647108.1435	1298.85
35	N 1684786.6825	E 1647167.7331	1287.10	48	N 1684676.8882	E 1647151.3908	1295.50	61	N 1684577.0381	E 1647094.4986	1299.00
36	N 1684727.1512	E 1647175.2185	1287.10	49	N 1684652.1383	E 1647155.8564	1296.50	62	N 1684512.3176	E 1647089.0305	1298.80
37	N 1684667.6200	E 1647182.7038	1287.10	50	N 1684627.3689	E 1647152.8489	1297.50	63	N 1684486.1651	E 1647122.0936	1299.10
38	N 1684608.0887	E 1647190.1892	1287.10	51	N 1684604.5921	E 1647142.7087	1298.50	64	N 1684471.3233	E 1647073.2567	1298.45
39	N 1684548.5575	E 1647197.6746	1287.10	52	N 1684585.6705	E 1647126.2595	1299.35	65	N 1684417.9000	E 1647081.1125	1298.35
40	N 1684483.6514	E 1647205.8357	1287.10	53	N 1684467.9116	E 1647174.5529	1290.80	66	N 1684921.4019	E 1647049.0700	1298.90
41	N 1684427.8797	E 1647212.8484	1287.10	54	N 1684463.5416	E 1647143.8624	1295.00	67	N 1684852.3417	E 1647058.5735	1298.65
42	N 1684818.0810	E 1647139.5897	1289.00	55	N 1684961.1892	E 1647080.5204	1299.00	68	N 1684787.0346	E 1647065.3363	1298.75
43	N 1684794.6333	E 1647133.3179	1290.00	56	N 1684891.8329	E 1647089.9845	1298.70	69	N 1684720.3881	E 1647064.0351	1298.40
44	N 1684770.4607	E 1647130.3855	1291.20	57	N 1684821.6742	E 1647099.1817	1298.40	70	N 1684650.7435	E 1647054.3433	1298.55



A ELECTRICAL PLAN - AREA "B"

1" = 20'-0"

0 10 20 40

NORTH

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CONTACT: J. BEST
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PROJECT NUMBER: 24103

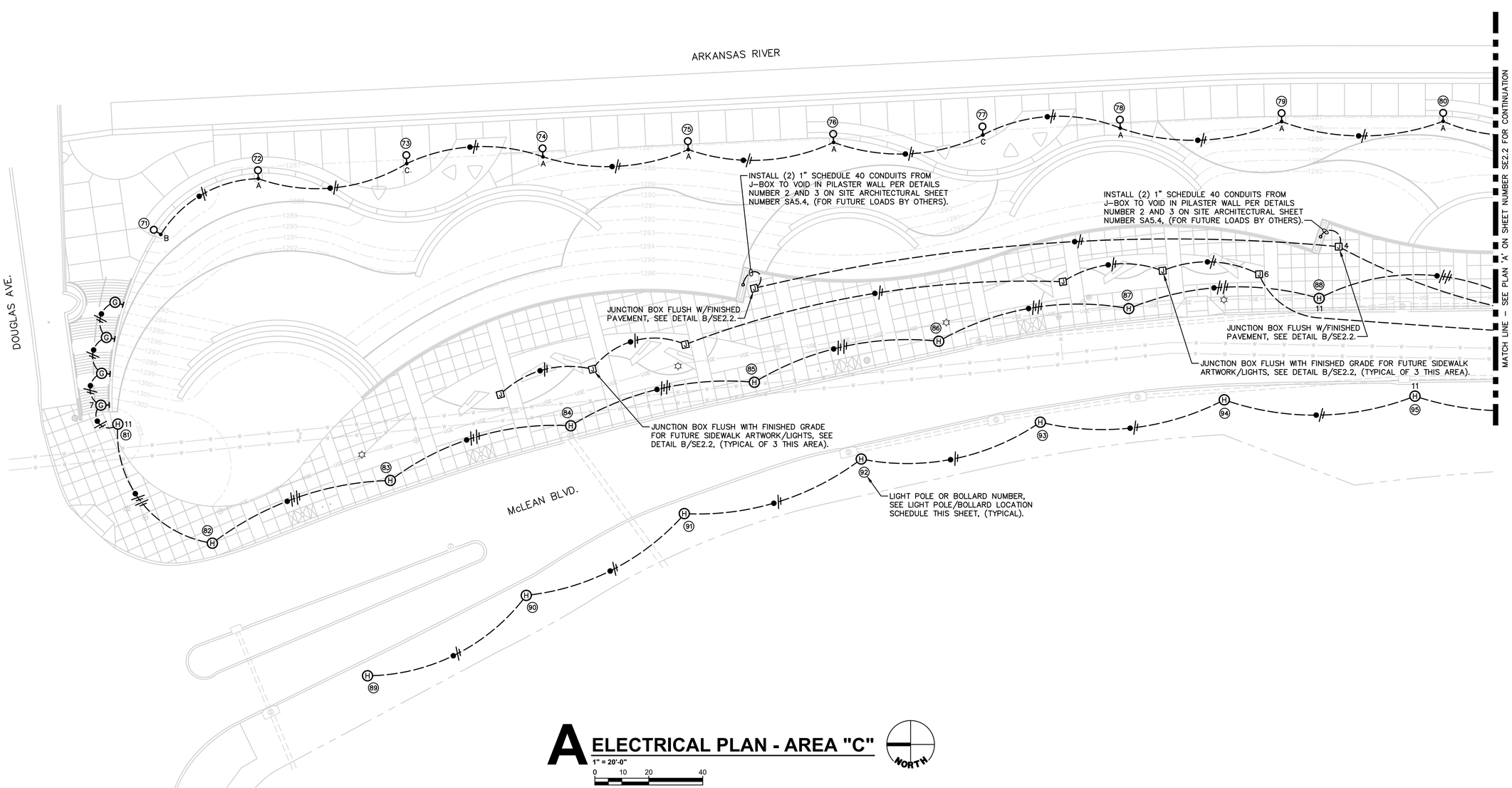
SHEET TITLE: ELECTRICAL PLAN - AREA "B"

SHEET NUMBER: SE2.2

LIGHT POLE/BOLLARD LOCATION SCHEDULE– AREA 'C'

POLE/BOLLARD NUMBER	LOCATION COORDINATES		TOP OF FOOTING ELEVATION	POLE/BOLLARD NUMBER	LOCATION COORDINATES		TOP OF FOOTING ELEVATION	POLE/BOLLARD NUMBER	LOCATION COORDINATES		TOP OF FOOTING ELEVATION
	NORTHING	EASTING			NORTHING	EASTING			NORTHING	EASTING	
(71)	N 1685459.4360	E 1647040.8796	1286.75	(80)	N 1684993.0922	E 1647141.7794	1287.10	(89)	N 1685363.0145	E 1646888.2229	1300.25
(72)	N 1685426.1472	E 1647065.8917	1287.10	(81)	N 1685466.4669	E 1646969.1815	1303.25	(90)	N 1685308.3543	E 1646925.1125	1300.60
(73)	N 1685372.2720	E 1647078.3057	1287.10	(82)	N 1685426.2100	E 1646929.7744	1301.80	(91)	N 1685254.0273	E 1646962.4803	1300.45
(74)	N 1685322.4944	E 1647087.0918	1287.10	(83)	N 1685363.6558	E 1646961.0763	1301.00	(92)	N 1685191.4728	E 1646990.7152	1300.00
(75)	N 1685269.3802	E 1647096.4670	1287.10	(84)	N 1685299.8222	E 1646989.5104	1300.55	(93)	N 1685127.3180	E 1647012.5543	1299.80
(76)	N 1685216.2660	E 1647105.8421	1287.10	(85)	N 1685234.3170	E 1647014.0092	1300.20	(94)	N 1685060.7097	E 1647029.2686	1299.45
(77)	N 1685161.7198	E 1647115.4700	1287.10	(86)	N 1685168.4206	E 1647037.5960	1299.80	(95)	N 1684990.7597	E 1647039.4560	1299.25
(78)	N 1685111.4961	E 1647124.3349	1287.10	(87)	N 1685100.0380	E 1647058.3801	1299.50				
(79)	N 1685052.4550	E 1647134.1898	1287.10	(88)	N 1685030.5230	E 1647070.9490	1299.20				

NOTE: LOCATION COORDINATES ARE TO THE CENTER OF THE LIGHT POLE OR BOLLARD.



A ELECTRICAL PLAN - AREA "C"

1" = 20'-0"

0 10 20 40

NORTH

PRINTS ISSUED

DATE	PURPOSE	NO.
01.15.25	PERMIT REVIEW	
02.28.25	FOR BID/CONSTRUCTION	

RIVER CORRIDOR IMPROVEMENTS
WEST BANK - RIVERFRONT
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STEVE E. BERRY LICENSED 12178 PROFESSIONAL ENGINEER

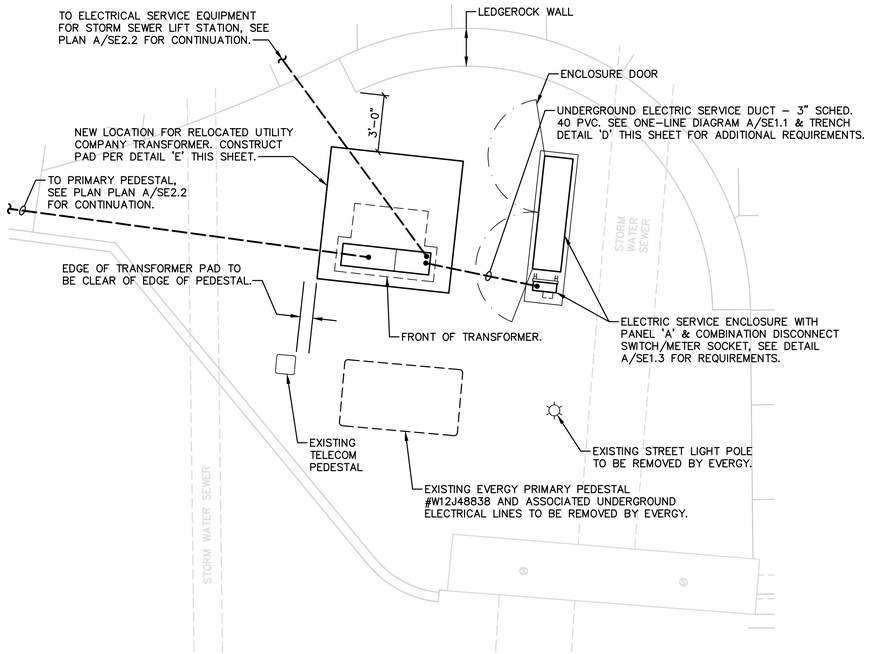
01/15/2025

CONTACT: J. BEST
DRAWN: ST
CHECKED:

PROJECT NUMBER: **24103**

SHEET TITLE: ELECTRICAL PLAN - AREA "C"

SHEET NUMBER: SE2.3

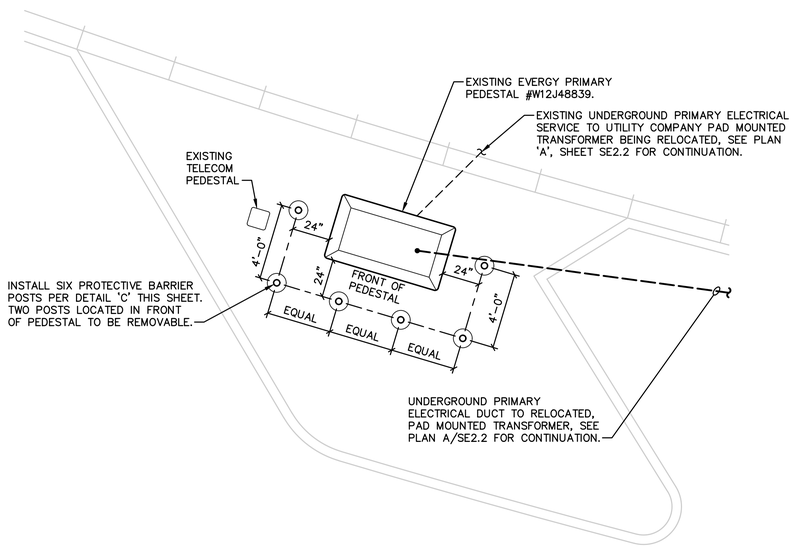


A TRANSFORMER & ELECTRIC SERVICE ENCLOSURE PLAN

1/4" = 1'-0"

0 1' 2' 4' 8'

NORTH

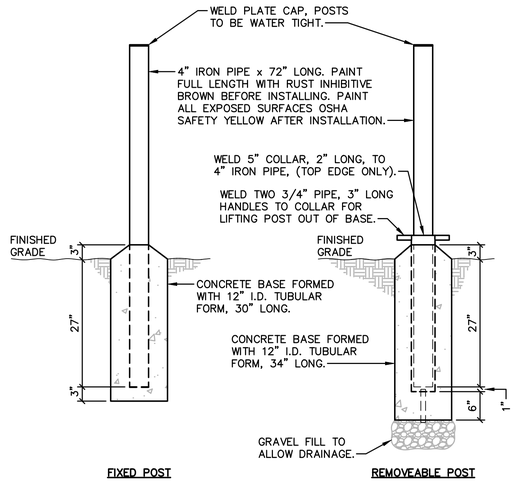


B PRIMARY PEDESTAL BARRIER POST PLAN

1/4" = 1'-0"

0 1' 2' 4' 8'

NORTH

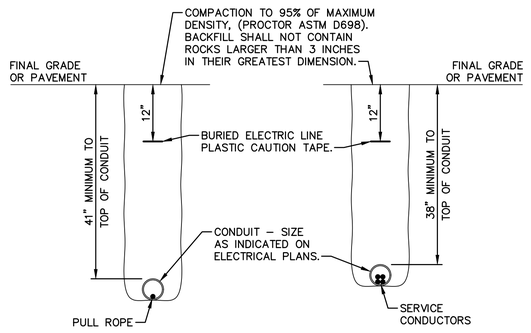


NOTES:

1. PER EVERGY STANDARD DETAIL #10.38: CENTER OF POSTS TO BE LOCATED 2'–0" FROM EDGES OF TRANSFORMER PADS AND PRIMARY PEDESTALS WITH MAXIMUM SPACING OF 4'–0" ON CENTER BETWEEN ADJACENT POSTS. POSTS LOCATED IN FRONT OF TRANSFORMERS AND PRIMARY PEDESTALS TO BE REMOVABLE.
2. DETAIL BASED ON EVERGY STANDARD DETAIL #10.46, DATED 10/22/2024.

C PROTECTIVE BARRIER POSTS

N.T.S.

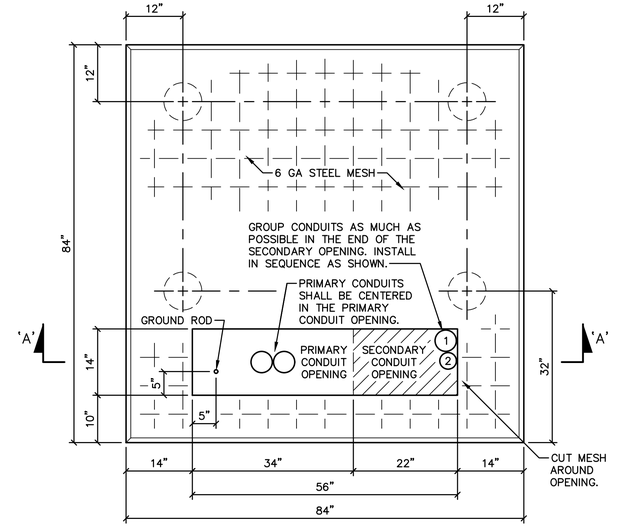


NOTES:

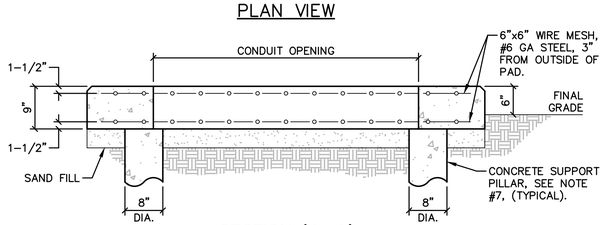
1. CONDUITS TO BE SCHEDULE 40 PVC AND SHALL BE FREE OF BURRS AND HAVE CLEAN BORES.
2. CONDUIT BENDS TO HAVE 36" RADIUS SWEEPS. PRIMARY CONDUIT BENDS TO BE RIGID GALVANIZED STEEL, (RGS). SERVICE CONDUIT BENDS TO BE SCHEDULE 40 PVC OR RGS.
3. ALL RGS CONDUIT AND FITTINGS INSTALLED BELOW GRADE TO BE PAINTED WITH TWO COATS OF BITUMINOUS PAINT.
4. DETAIL BASED ON EVERGY STANDARD DETAIL #10.17, DATED 10/22/2024.

D ELECTRICAL SERVICE DUCT TRENCHES

N.T.S.



PLAN VIEW



SECTION 'A–A'

NOTES:

1. PAD LOCATION SHALL BE APPROVED BY EVERGY.
2. CONTRACTOR SHALL EXTEND FORMS DOWN AT LEAST 3" BELOW AVERAGE GROUND LINE.
3. CONCRETE SHALL BE A MINIMUM OF 3,000 LB. MIX.
4. TOP OF TRANSFORMER PAD SHALL RECEIVE A SMOOTH TROWEL FINISH. CORNERS AND EDGES SHALL BE ROUNDED OR BEVELED.
5. CONDUIT OPENING SHALL BE FREE AND CLEAR OF CONCRETE.
6. TOPS OF CONDUITS SHALL BE FLUSH WITH THE TOP OF THE CONCRETE PAD.
7. PILLARS ARE FORMED BY AUGERING AN 8" DIAMETER HOLE TO A DEPTH OF UNDISTURBED EARTH. A SEPARATOR, SUCH AS TAR PAPER, SHOULD BE PLACED BETWEEN THE PILLAR AND THE PAD SO THAT THE PAD CAN BE LEVELED AT A LATER TIME IF NECESSARY.
8. EVERGY RESERVES THE RIGHT NOT TO ACCEPT THE CONDITION OF THE CONCRETE PAD IF IT FAILS TO MEET THE REQUIREMENTS STATED ON THIS DETAIL.
9. THE 6" ABOVE GRADE CAN BE REDUCED TO 4" ABOVE FINISHED PAVEMENT.
10. CONDUIT OPENING DIMENSIONS PERTAIN TO HOWARD, (2012 & NEWER), TRANSFORMERS. CHECK WITH EVERGY'S LOCAL SERVICE CENTER TO BE SURE THAT THE OPENING IS THE CORRECT SIZE FOR THE TRANSFORMER DESIGNATED FOR THE JOB. CALL LOCAL SERVICE CENTER TO CONFIRM PAD DIMENSIONS BEFORE PAD IS POURED.
11. DETAIL BASED ON EVERGY STANDARD DETAIL #10.33, DATED 10/22/2024.

E UTILITY COMPANY TRANSFORMER PAD

N.T.S.

PRINTS ISSUED

DATE	PURPOSE	NO.
01.15.25	PERMIT REVIEW	
02.28.25	FOR BID/CONSTRUCTION	

RIVER CORRIDOR IMPROVEMENTS
WEST BANK - RIVERFRONT
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STEVE E. BERRY LICENSED 12178 PROFESSIONAL ENGINEER
01/15/2025

CONTACT: J. BEST
DRAWN: ST
CHECKED: .

PROJECT NUMBER: 24103

SHEET TITLE: ENLARGED ELECTRICAL PLANS AND DETAILS

SHEET NUMBER: SE2.4

SECTION 16010

GENERAL REQUIREMENTS - ELECTRICAL

PART 1 - GENERAL

1.01 PROVISIONS GOVERNING WORK UNDER THIS DIVISION

A. SEE Division 1.

1. This Section 16010 governs and is applicable to all Sections concerning Electrical.

1.02 SUBMITTALS

A. SUBMIT Shop Drawings per Part 2 of this Section.

B. SUBMIT project record Drawings upon completion of project.

1.03 WARRANTY

A. WARRANTY ALL MATERIALS AND WORK for a period of one year after acceptance of project by Owner.

1.04 DESCRIPTION

A. EXCEPT AS SPECIFICALLY INDICATED OTHERWISE, these specifications require finished work, tested out and made ready for normal operation.

B. COORDINATION WITH OTHERS: Work under this Division shall be fully coordinated with work, Drawings and Specifications for: general construction, electric operated doors, finish hardware devices, incinerators, site utilities, sprinklers, mechanical, telephone, alarms, and others as included in project.

1.05 REQUIREMENTS OF REGULATORY AGENCIES

A. CODES, INSPECTIONS AND STANDARDS:

1. INSTALLATION SHALL CONFORM WITH THE LATEST PUBLISHED AND CURRENT EDITION OF THE FOLLOWING:
National Electrical Code (NEC) (NFPA 70)
City and State Electrical Code and Regulations
National Electrical Safety Code
Americans with Disabilities Act (ADA)
Life Safety Code (NFPA l0l) as well as with all Interim Amendments and all other applicable Regulations and Requirements of City, County, State and Federal Governments having jurisdiction over the conduct of this work or any part thereof.
2. INSTALLATION shall be done in accordance with the latest Rules and Regulations of the Occupational Safety and Health Act (OSHA).
3. INSTALLATION SHALL CONFORM WITH THE LATEST PUBLISHED STANDARDS OF:
Institute of Electrical and Electronic Engineers (IEEE).
Illuminating Engineering Society (IES).
National Electrical Manufacturers Association (NEMA).
4. MAKE CORRECTIONS TO INSTALLATIONS, requested by official Electrical Inspectors representing City and State Inspection Departments, so long as such corrections are necessary for compliance with official and published requirements prior to date of the Contract.
5. REQUESTED CHANGES: See that Architect is advised and given a copy of work so requested by City, State, or Federal Inspectors, and that the work does not conflict with intended design.
6. SERVICE STANDARDS: Service entrance, metering arrangements, and motor loading, shall be in conformity with applicable Service Standards published by the serving Utility Company.
7. INTERIM AND FINAL INSPECTIONS: Call for and pay for inspections required by City's Inspection Department and other Governing Bodies. Keep record of such calls and submit to Architect, if requested.

1.06 QUALITY ASSURANCE

A. LABELS:

1. MATERIALS AND EQUIPMENT furnished under this Section shall either have a UL (Underwriters' Laboratories) label affixed, or shall be listed as being approved for the application being made, by UL, where such approvals are applicable.
2. FURNISH ETL (Electrical Testing Laboratories), CBM (Certified Ballast Manufacturers), RLM (Registered Luminaire Manufacturers) labels on items advertised as having such labels, when such items are specified, or upon items proposed as substitutions for such specified items.

B. MATERIALS AND WORKMANSHIP:

1. MATERIALS shall be those shown on Drawings and specified herein.
2. MATERIALS shall match and fit together in a complete and working installation.
3. UNSIGHTLY INSTALLATIONS shall be removed and replaced, or otherwise satisfactorily reworked until acceptable, when so ordered by Architect, even though having no circuitry or operating faults.

1.07 TESTS

A. MAKE TESTS necessary to insure against concealment of defective materials and workmanship, before inspection, and again if requested in the presence of the Architect, Engineer, or official Inspector.

1.08 INSTRUCTIONS AND OPERATIONAL DATA

A. PROVIDE at least one set of instructions and maintenance data for wiring items or equipment items. Furnish complete and reasonable instructions for the operation of switches, circuits, systems, and equipment.

1.09 SITE VISIT

A. Visit the site and become familiar with all aspects of the site and existing conditions before submitting Contract price.

B. No allowance will be made for lack of knowledge of existing conditions.

1.10 DEVIATIONS

A. No deviations from the Contract Documents shall be made without the full knowledge and written consent of the Architect.

B. If the existing conditions make it desirable to modify the Contract Documents in regard to any item, provide a written request to the Architect.

PART 2 - PRODUCTS

2.01 MATERIALS AND PRODUCTS

A. REFER to the various Sections under Division 16.

2.02 STANDARDS FOR MATERIALS AND WORKMANSHIP

A. All materials shall be new and shall be stamped with the label of Underwriters Laboratories, Inc. (UL).

B. All materials shall meet the standards of the following associations and institutes where applicable.

1. National Fire Protection Association (NFPA)
2. American Society of Testing Materials (ASTM)
3. American National Standards Institute (ANSI)
4. National Electrical Manufacturer's Association (NEMA)
5. Institute of Electrical and Electronic Engineers (IEEE)

C. Manufacturer's names and catalog numbers specified herein are intended to describe the material and set the standard of quality. All bids shall be based on material specified.

2.03 SHOP DRAWING SUBMITTAL

A. The Engineer's review of shop drawings or submittals is a cursory review to check for general compliances of submittals with the design intent of the Contract Documents. The Engineer's review does not relieve the Contractor of his responsibility of complying with the contract documents. All coordination of the work in the strict compliance with the Contract Documents is the sole responsibility of the Contractor.

B. The following items shall be submitted for review:

1. Conduit and wire
2. Grounding system
3. Overcurrent devices
4. Lighting Fixtures
5. Service Entrance Equipment
6. Equipment Enclosures

C. All shop drawings and submittals shall be submitted in compliance with the requirements of the general and supplementary conditions. No more than six (6) copies of submittal data will be reviewed. Any additional copies will be returned unmarked. The responsibility of copying review comments on any additional copies will rest solely with the Contractor.

D. All submittals shall bear the name of the manufacturer to be used.

E. All shop drawings and submittals shall include a stamped indication signifying that the submittal has been reviewed for compliance with the Contract Documents by the Contractor. This stamped indication also represents the fact that the Contractor has checked his submittal for it's interaction with all other Divisions and certifies by his signature or initials that all coordination has taken place. The stamp shall include the date, name of the Contracting Firm, the signature of the contractor, certification and approval. This stamp will be on the submittal before the Engineer will review it.

F. The Engineer will review an individual submittal not more than twice. If the submittal is rejected again on the second review, the contractor will bare all responsibility for paying the Engineer's time for additional reviews. Such payment to the Engineer shall be withheld from the next monthly pay application.

PART 3 - EXECUTION

3.01 INSTALLATION

A. REFER to the various Sections under Division 16.

END OF SECTION

SECTION 16050

BASIC ELECTRICAL MATERIALS AND METHODS

PART 1 - GENERAL

1.01 CONTENTS

A. Supporting Devices for Electrical Components.

B. Concrete Equipment Bases.

C. Touchup Painting.

1.02 QUALITY ASSURANCE

A. Electrical Components, Devices, and Accessories:
1. Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.

B. NFPA Compliance:
1. Comply with NFPA 70.

C. Code Compliance:
1. All work to be in accordance with latest requirements of the N.E.C. and all other applicable codes and regulations of authorities having jurisdiction over the work.

1.03 SUPPORTING DEVICES

A. Performance Criteria.
1. Material: Cold-formed steel, with corrosion-resistant coating acceptable to authorities having jurisdiction.
2. Metal Items for use Outdoors or in Damp Locations: Hot-dip galvanized steel.
3. Pipe Sleeves: ASTM A 53, Type E, Grade A, Schedule 40, galvanized steel, plain ends.
4. Expansion Anchors: Carbon-steel wedge or sleeve type.
5. Toggle Bolts: All-steel springhead type.

1.04 CONCRETE BASES

A. Performance Criteria.
1. Concrete Forms and Reinforcement Materials: As specified in Special Provisions Section: “Cast-in-Place Concrete.”

PART 2 - PRODUCTS

2.01 TOUCHUP PAINT

A. Performance Criteria.
1. For Equipment: Equipment manufacturer's paint selected to match installed equipment finish.
2. Galvanized Surfaces: Zinc-rich paint recommended by item manufacturer.

END OF SECTION

SECTION 16111

CONDUIT

PART 1 - GENERAL

1.01 WORK INCLUDED

A. CONDUIT AND COUPLINGS.

B. NON-METALLIC DUCTS.

PART 2 - PRODUCTS

2.01 RIGID METAL CONDUIT (HEAVY WALL)

A. RIGID METAL CONDUIT shall be used in areas so indicated on Drawings and as listed below.

B. RIGID METAL CONDUIT shall be steel, hot-dip galvanized after threading.

C. RIGID METAL CONDUIT COUPLING'S CONNECTORS shall be threaded. Connections shall be made up tight.

D. RIGID METAL shall be used in wet locations.

2.02 DUCT-RIGID POLYVINYL CHLORIDE

A. PVC CONDUIT shall be used in all areas below grade. Unless noted otherwise, minimum size PVC conduit shall be 1" trade size.

B. FITTINGS for PVC conduit shall be suitable for the conduit and type of installation.

C. GROUNDING CONDUCTOR: Whenever PVC conduit is used; a separate grounding conductor shall be installed in entire length of conduit.

2.03 GENERAL

A. INTERCONNECTIONS BETWEEN DIFFERENT TYPES OF RACEWAYS shall in all cases be made with manufactured fittings approved by UL.

2.04 LOCKNUTS, BUSHINGS, CONNECTORS, AND COUPLINGS

A. "DOUBLE-LOCKNUT" system (2 locknuts) shall be used throughout, each being tightened wrench-tight as to effectively bond outlet box or cabinet to conduit.

B. BUSHINGS shall be malleable, except that plastic bushings may be used in lieu of phenolic-lined malleable bushings where "insulating bushings" are required per NEC.

C. INSULATED-THROAT TYPE GROUND BUSHINGS shall be malleable type and fully equal to T & B #3802 series.

D. CONNECTORS AND/OR COUPLINGS shall be proper for conduit they are used with. They shall be watertight when required.

E. FINISH on such fittings shall be cadmium or galvanized.

F. THREADS on fittings shall be die-cut unless approved otherwise.

PART 3 - EXECUTION

3.01 INSTALLATION

A. SIZE RACEWAYS in accordance with NEC Tables, except that size shall not be reduced from any sizes indicated on Drawings or called out herein.

B. DO NOT exceed number of bends allowed in conduit by the NEC and reduce such to that indicated or specified when so done.

C. JOINTS shall be wrench-tight or otherwise with minimum resistance to the flow of fault currents.

D. PROTECT CONDUITS from damage, entrance of water or foreign objects and jog as necessary to prevent weakening walls or construction.

E. REMOVE flattened or otherwise damaged conduits from site.

F. ALL BENDS shall be pre-manufactured.

G. TEST any conduit with hacksaw or with approved pipe cutting tool and ream ends before connecting.

H. RACEWAYS shall be securely fastened in place. Conduit shall be firmly fastened within 3 ft of each outlet, junction box, cabinet or fitting. Metallic conduit, rigid (heavy wall) shall be supported at least every 10 ft. Raceway fasteners shall be only those designed for the purpose.

I. FOR EXPOSED RUNS, attach surface-mounted conduit with clamps.

J. CLEAN out conduit before installation of conductor.

K. KEEP A RECORD of deviations from routes and locations shown on Drawings. Indicate all deviations on Project Record Drawings and submit drawings to Architect.

END OF SECTION

SECTION 16120

WIRES AND CABLES

PART 1 - GENERAL

1.01 WORK INCLUDED

A. WIRES AND CABLES.

1.02 SUBMITTALS

A. SUBMIT product information.

1.03 WIRING METHODS

A. Use PVC conduit in earth.

PART 2 - PRODUCTS

2.01 WIRE AND CABLE MANUFACTURERS

A. Okonite
B. Southwire
C. Coleman
D. Or equal, approved by the Architect.

2.02 GENERAL

A. BRANCH CIRCUITS: Flame retardant, moisture resistant, thermoplastic, Type Letter THWN, 60 degrees C maximum operating temperature, rated 600v, unless noted otherwise on Drawings. All conductors shall be copper.

B. SERVICES & FEEDERS: Flame retardant, moisture and heat resistant, thermoplastic, Type Letter THWN or THHN, 75 degrees C maximum operating temperature, rated 600V, unless noted otherwise on the Drawings. All conductors shall be copper.

PART 3 - EXECUTION

3.01 INSTALLATION

A. PULLING FRICTION: Keep to a minimum using no more than the NEC allowed number of bends, as well as not to exceed maximum allowable pulling tensions derived from tables or formula provided by the several Wire Manufacturers.

B. USED APPROVED WIRE LUBRICANT of a type suitable for wire and/or raceway involved, such as Burndy "Silkon", "Albentonite", "Protectant 626", Ideal "Yellow-77", or Polywater "J".

C. FURNISH necessary reels, reel jacks and other pulling aids required to prevent damage to wires and cable.

D. DO NOT PULL WIRE until construction work in vicinity is complete enough to avoid damage to wires and cables in any manner.

E. IDENTIFY conductors with pressure sensitive tags as manufactured by Brady, when so indicated on Drawings.

F. WIRES AND CABLES REQUIRED shall be installed continuous without splice from source of supply to lighting outlet. In no case shall pull boxes be used for making splices; neither shall splices be installed in conduits.

G. PROVIDE copper grounding conductors and straps.

H. INSTALL wire and cable in conduit.

I. INSTALL wire in conduit runs after concrete and masonry work is complete and after moisture is swabbed from conduits.

J. SPLICE only in accessible junction or outlet boxes.

K. CONDUCTOR CONNECTIONS:

1. USE approved pressure type solderless connectors and lugs for all connections.
2. CONNECTORS shall be equal to Burndy, T & B, O-Z, or Penn Union, and shall be of a type compatible to conductors, location and load.
3. NEUTRAL CONNECTIONS AND TAPS shall be made individually, in order to prevent the possibility of an "open-neutral."
4. BRANCH CIRCUIT CONNECTIONS shall be made with UL approved solderless connectors equal to Buchanan, Scotch or T & B. Fixture connections shall be equal to those made by same Manufacturers. Any type used shall not depend solely upon a single insulating material to secure connection as well as to insulate it.
5. SOLDER JOINTS using Kester 50-50 solder and approved soldering paste equal to Nokorode, will be acceptable in lieu of mechanical pressure or solderless types for branch circuit and fixture connections.
6. BUS BAR CONNECTIONS shall be bolted with adequate nonferrous bolts, washers, and lockwashers, after first either silverplating the bars or applying suitable nonoxidizing agents equal to No-Oxide.
7. JOINTS AND TAPS shall be insulated with patented or molded plastic or insulators, or shall be taped suitably with Okonite or Scotch tapes. Tapes shall be compatible with conductor jackets, temperature, and other conditions.

L. ALL WIRE shall be color coded to indicate the various phases and neutral. Where color coding is impractical, approved 3/4 in. wide tape bands, corresponding to Color Code, NEC Section 210.5, and as specified below shall be provided.
1. COLOR CODING for the various systems shall be as follows:

For 120/208 Volt System			For 277/480 Volt System		
Phase A	-	Black	Phase A	-	Brown
Phase B	-	Red	Phase B	-	Orange
Phase C	-	Blue	Phase C	-	Yellow
Neutral	-	White	Neutral	-	Gray*
Ground	-	Green	Ground	-	Green

* or white with colored (other than green) tracer

END OF SECTION

SECTION 16160

PANELBOARDS

PART 1 - GENERAL

1.01 WORK INCLUDED

A. BRANCH CIRCUIT PANELBOARDS.

1.02 SUBMITTALS

A. SUBMIT Shop Drawings.

PART 2 - PRODUCTS

2.01 PANELBOARDS

A. ACCEPTABLE PRODUCTS:
1. Square D, "Type NF/480V".
2. Siemens, "Type P2/480V".
3. Eaton, "PRL2X//480V".

2.02 GENERAL

A. VOLTAGE: 480/277V, 3-Phase, 4-Wire, S/N, service entrance rated, equipped with automatic circuit breakers.

B. PANELBOARDS shall be of the same make, and shall be keyed alike with a masterkey arrangement.

C. PANELBOARDS shall be of dead-front type. Cabinets shall be one-piece construction from galvanized code gauge steel. Cabinets shall have knockouts and minimum gutter space of 4 inches on all sides.

D. BRANCHES shall be automatic circuit breakers, thermo-magnetic type, with inverse time characteristics. Circuit breaker shall be quick make, quick break on manual and automatic operation. Circuit breaker shall have positive trip indication, as well as clear "OFF" and "ON" indication. Circuit breakers shall have a minimum interrupting capacity of 18,000 AMPS at 277V. Branch breakers shall be 1, 2 or 3-pole types, having "common-trip" arrangement.

E. FACTORY ASSEMBLE panelboards with ampere rated units as indicated on Drawings. Provide spare units and blank spaces as indicated on Drawings. Main circuit breaker or lugs only as shown on Drawings. Branch connections shall be BOLTED.

F. NUMBERING OF BREAKERS: Large permanent individual number shall be affixed to each breaker in a uniform position. Numbering shall be such that starting at the top, odd numbers shall be used in sequence down left hand side, and even number shall be used in sequence down right hand side.

G. CONSTRUCTION: Fronts shall be galvanized code gauge steel, finished with rust-inhibiting primer and baked-enamel finish, Manufacturer's standard color. Doors shall have flush tumbler-type locks. A circuit directory frame and card with a clear plastic covering shall be provided inside of the door. Directory shall be typed to identify load fed by each circuit.

H. LOCKING CLIPS for "ON" position only, with "OFF" trip free travel, shall be furnished and installed in all circuits so indicated on Drawings.

PART 3 - EXECUTION

3.01 INSTALLATION

A. PROVIDE mounting brackets, bus bar drillings, and filler pieces for unused spaces.

B. PREPARE AND AFFIX typewritten directory with plastic cover to inside cover of panelboard indicating loads controlled by each circuit.

C. LABEL each panel with name and voltage on the outside with plastic engraved nameplates.

END OF SECTION

SECTION 16450

GROUNDING

PART 1 - GENERAL

1.01 WORK INCLUDED

A. POWER SYSTEM GROUNDING.

1.02 TESTS

A. MEASURE ground grid resistance with earth test meter and install additional ground rods and conductors as required until resistance to ground complies with Code requirements.

PART 2 - PRODUCTS

2.01 POWER SYSTEM GROUNDING

A. PROVIDE APPROVED GROUNDING of secondary alternating current system per NEC.

B. GROUND AND BOND service entrance raceways, cabinets and equipment.

C. GROUNDING ELECTRODES shall be as required by NEC and as indicated on the Drawings.

D. GROUNDING/BONDING CONDUCTORS shall be sized as indicated but in no case less than minimum NEC requirements. They shall be of soft annealed copper and shall be stranded when larger than No. 10, unless noted otherwise. They may be bare except where dangerously close to live parts, but where insulated they shall have a green color jacket or finish. When metallic conduit is used as conductor, connections shall be made tight.

E. WHEN PLASTIC CONDUIT IS USED, an extra ground wire shall be provided on each run.

F. LUGS AND FITTINGS: Grounding shall be UL approved solderless.

END OF SECTION

PRINTS ISSUED

DATE	PURPOSE	NO.
01.15.25	PERMIT REVIEW	
02.28.25	FOR BID/CONSTRUCTION	

RIVER CORRIDOR IMPROVEMENTS
WEST BANK - RIVERFRONT
STADIUM
WICHITA, KS

LK ARCHITECTURE
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T 316.268.0230 F 316.268.0205

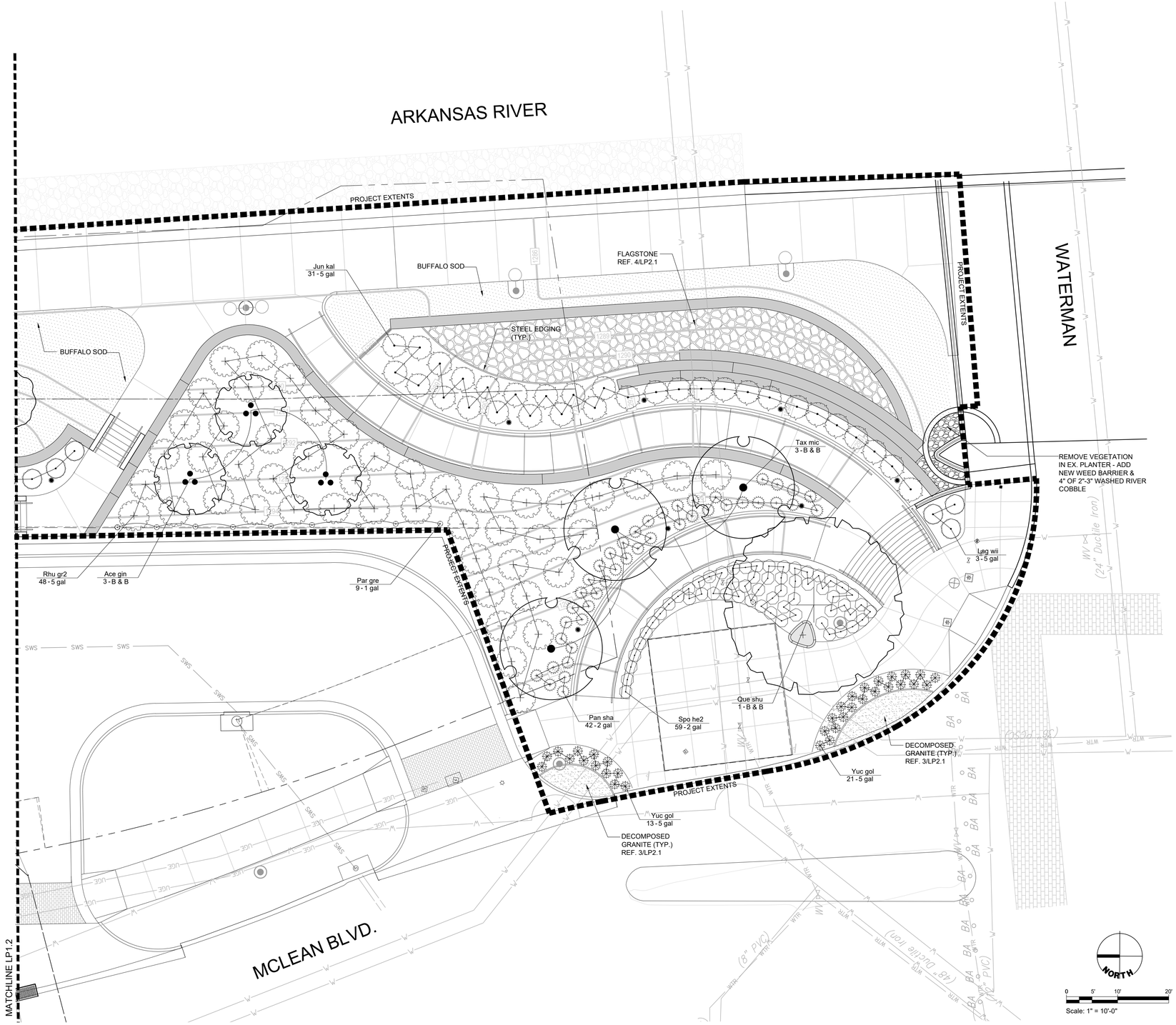
STEVE E. BERRY LICENSED PROFESSIONAL ENGINEER 12178 MANHATTAN KANSAS NATIONAL COUNCIL OF ENGINEERING EXAMINERS AND STATE BOARDS
01/15/2025

CONTACT: J. BEST
DRAWN: ST
CHECKED: .

PROJECT NUMBER: 24103

SHEET TITLE: ELECTRICAL SPECIFICATIONS

SHEET NUMBER: SE3.1



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JEFFREY ALAN BEST
LICENSED
14679
KANSAS
LANDSCAPE ARCHITECT

02.28.25

CONTACT:	J. BEST
DRAWN:	JAB
CHECKED:	J. BEST

PROJECT NUMBER:
24103

SHEET TITLE:
LANDSCAPE PLAN

SHEET NUMBER:
LP1.1

ARKANSAS RIVER

PROJECT EXTENTS

Tax mic
2 - B & B

BUFFALO SOD

Hel sap
37 - 2 gal

STEEL EDGING
2/LP2.1

FLAGSTONE
REF. 4/LP2.1

Ace gin
3 - B & B

Cha lat
47 - 2 gal

FLAGSTONE
REF. 3/LP2.1

FLAGSTONE
REF. 4/LP2.1

Par gre
7 - 1 gal

STEEL EDGING
2/LP2.1

Mal pra
3 - B & B

BUFFALO SOD

Tax mic
1 - B & B

STEEL EDGING
1/LP2.1

Jun ta2
3 - Container

STEEL EDGING
2/LP2.1

Par gre
4 - 1 gal

Bou blo
17 - 2 gal

Lag wil
11 - 5 gal

Jun kal
21 - 5 gal

UP

SWS

SS

MATCHLINE LP1.3

MATCHLINE LP1.1

MCLEAN BLVD.

NORTH

0 5' 10' 20'

Scale: 1" = 10'-0"

PRINTS ISSUED

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JEFFREY ALAN BEST
LICENSED
11-1679
KANSAS
LANDSCAPE ARCHITECT

02.28.25

CONTACT:	J. BEST
DRAWN:	JB
CHECKED:	J. BEST

PROJECT NUMBER:
24103

SHEET TITLE:
LANDSCAPE PLAN

SHEET NUMBER:
LP1.2

ARKANSAS RIVER

PROJECT EXTENTS

25' DRAINAGE EASEMENT

DECOMPOSED GRANITE (TYP.) REF. 3/LP2.1

Ace mtn 1 - B & B

Spo he2 61 - 2 gal

Bou blo 33 - 2 gal

Cer ren 5 - B & B

Tax mic 1 - B & B

BUFFALO SOD

Hel sap 9 - 2 gal

PROJECT EXTENTS

STEEL EDGING 2/LP2.1

FLAGSTONE REF. 4/LP2.1

Par gre 3 - 1 gal

Rhu gr2 34 - 5 gal

Jun ta2 3 - Container

Par gre 6 - 1 gal

EX. ELEC. PANEL

EXISTING SWS STRUCTURES - TO REMAIN

DECOMPOSED GRANITE (TYP.) REF. 3/LP2.1

BUFFALO SOD

WATERLINE EASEMENT

DECOMPOSED GRANITE (TYP.) REF. 3/LP2.1

STRUCTURED SOIL CELL AREA 'A' REF. 2/LP2.3

Lag wii 1 - 5 gal

Cal kar 7 - 2 gal

Yuc gol 3 - 5 gal

25' DRAINAGE EASEMENT

PROJECT EXTENTS

STRUCTURED SOIL CELL AREA 'B' REF. 3/LP2.3

Lag wii 3 - 5 gal

Zel gre 1 - B & B

XFMR

Zel gre 1 - B & B

Jun an3 7 - 5 gal

TREE WELL REF. 1/LP2.3

TREE WELL REF. 1/LP2.3

LP

PROJECT EXTENTS

Yuc gol 6 - 5 gal

MATCHLINE LP1.4

MATCHLINE LP1.2

MCLEAN BLVD.

NORTH

0 5' 10' 20'

Scale: 1" = 10'-0"

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JEFFREY ALAN BEST LICENSED LANDSCAPE ARCHITECT 2011879 KANSAS

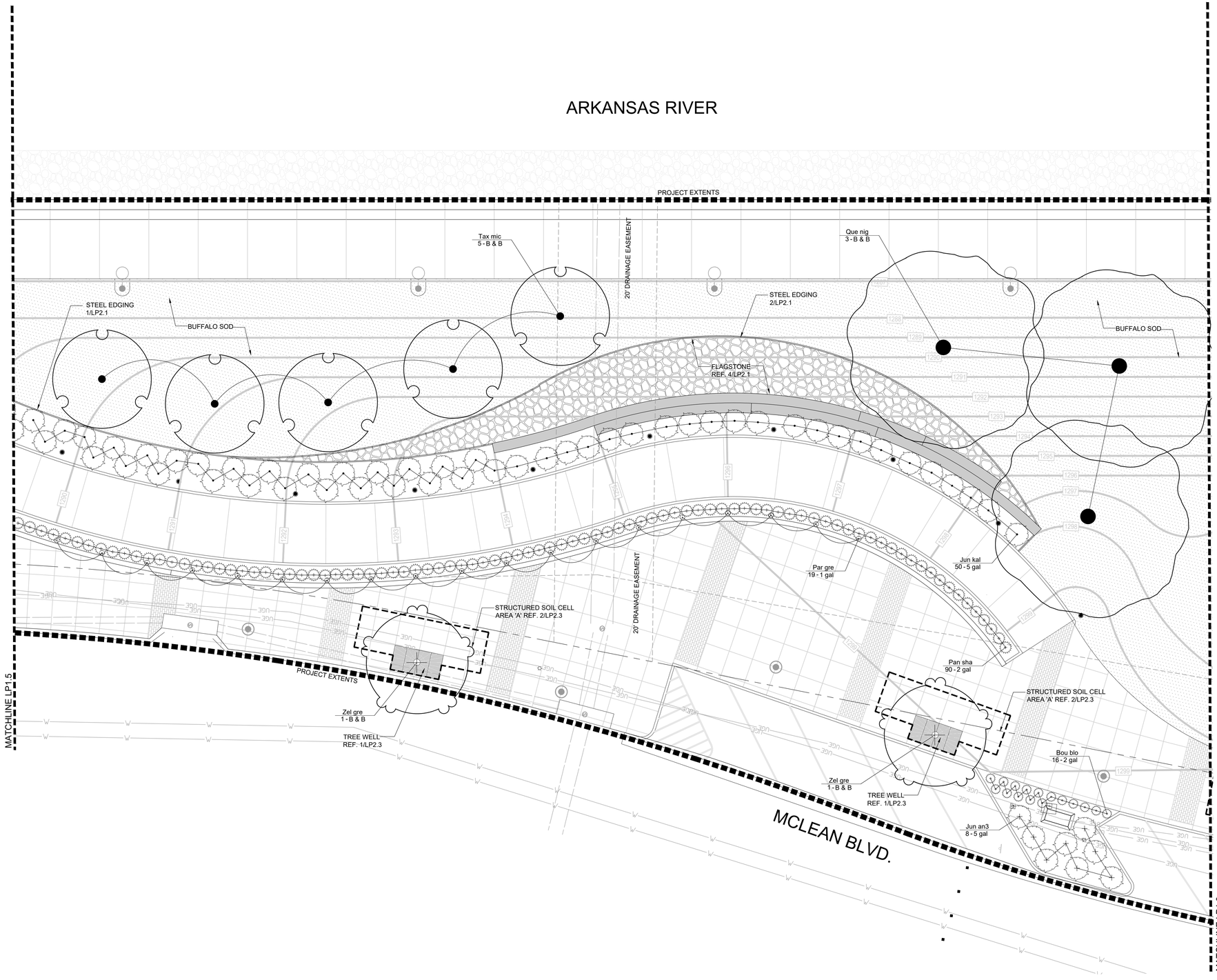
02.28.25

CONTACT:	J. BEST
DRAWN:	JB
CHECKED:	J. BEST

PROJECT NUMBER:
24103

SHEET TITLE:
LANDSCAPE PLAN

SHEET NUMBER:
LP1.3



NORTH

0 5' 10' 20'

Scale: 1" = 10'-0"

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RIVER CORRIDOR IMPROVEMENTS
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JEFFREY ALAN BEST LICENSED 11-1679 KANSAS LANDSCAPE ARCHITECT

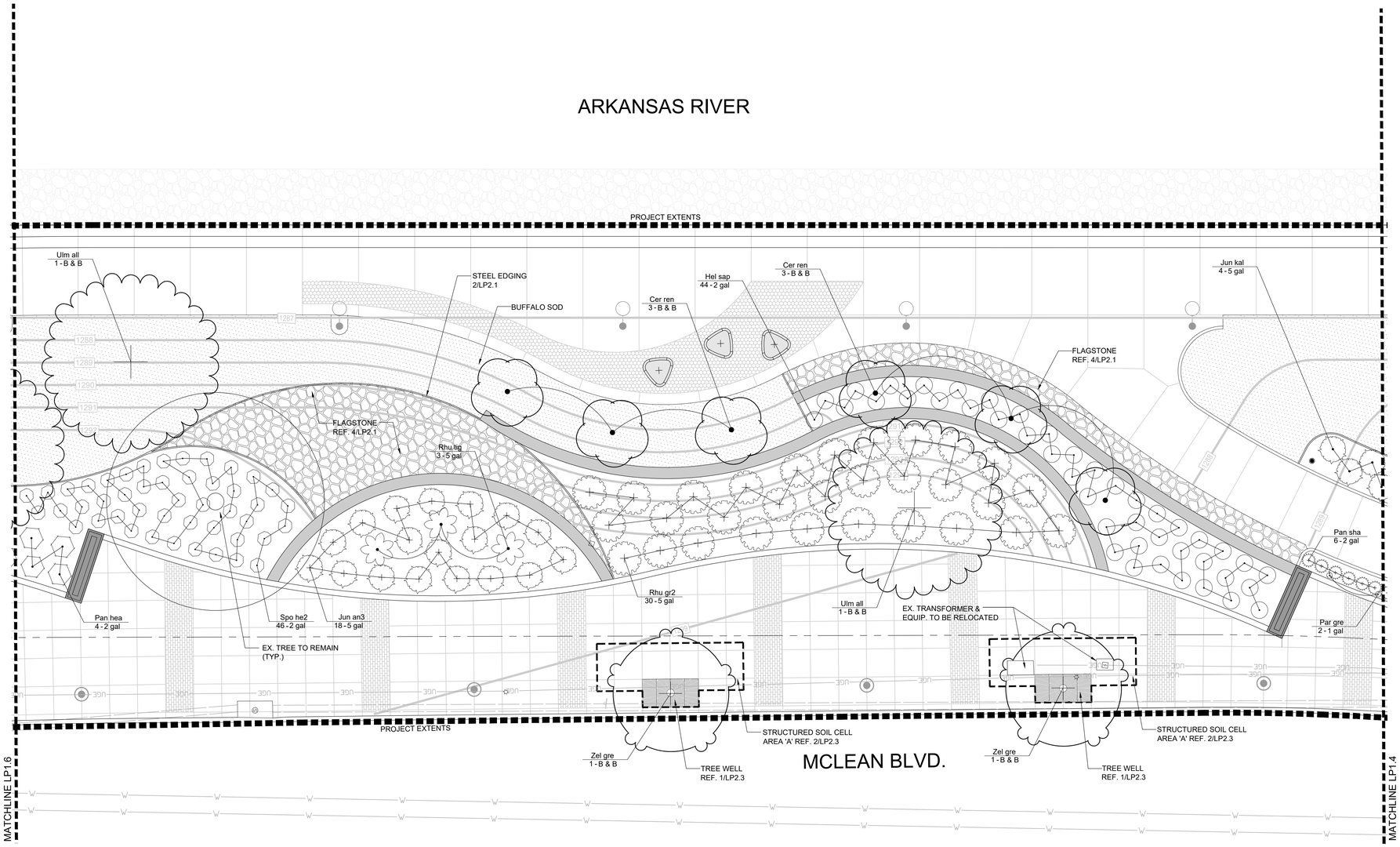
02.28.25

CONTACT: J. BEST
DRAWN: JB
CHECKED: J. BEST

PROJECT NUMBER:
24103

SHEET TITLE:
LANDSCAPE PLAN

SHEET NUMBER:
LP1.4



NORTH

0 5' 10' 20'

Scale: 1" = 10'-0"

PRINTS ISSUED

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RIVER CORRIDOR IMPROVEMENTS
WEST BANK - RIVERFRONT
STADIUM
WICHITA, KS

LK ARCHITECTURE

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JEFFREY ALAN LEE
LICENSED
LANDSCAPE
ARCHITECT
14879
KANSAS

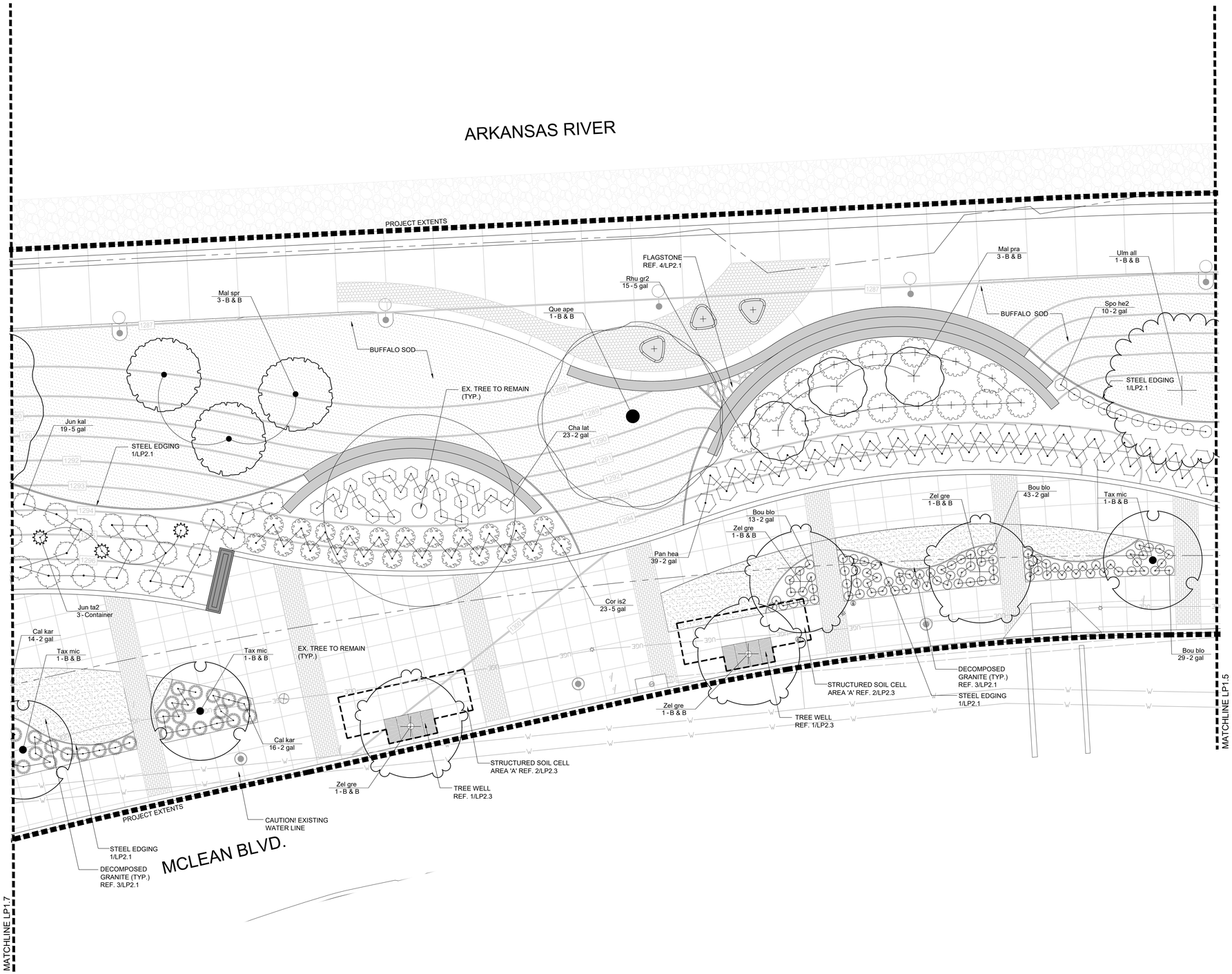
02.28.25

CONTACT: J. BEST
DRAWN: JB
CHECKED: J. BEST

PROJECT NUMBER:
24103

SHEET TITLE:
LANDSCAPE PLAN

SHEET NUMBER:
LP1.5


ARKANSAS RIVER
PROJECT EXTENTS
FLAGSTONE
REF. 4/LP2.1
Rhu gr2
15 - 5 gal
Mal spr
3 - B & B
Que ape
1 - B & B
BUFFALO SOD
EX. TREE TO REMAIN
(TYP.)
Cha lat
23 - 2 gal
Jun kal
19 - 5 gal
STEEL EDGING
1/LP2.1
Mal pra
3 - B & B
Ulm all
1 - B & B
BUFFALO SOD
Spo he2
10 - 2 gal
STEEL EDGING
1/LP2.1
Zel gre
1 - B & B
Bou blo
43 - 2 gal
Tax mic
1 - B & B
Bou blo
13 - 2 gal
Zel gre
1 - B & B
Pan hea
39 - 2 gal
Cor is2
23 - 5 gal
Jun ta2
3 - Container
Cal kar
14 - 2 gal
Tax mic
1 - B & B
Tax mic
1 - B & B
EX. TREE TO REMAIN
(TYP.)
Cal kar
16 - 2 gal
Zel gre
1 - B & B
STRUCTURED SOIL CELL
AREA 'A' REF. 2/LP2.3
TREE WELL
REF. 1/LP2.3
Zel gre
1 - B & B
STRUCTURED SOIL CELL
AREA 'A' REF. 2/LP2.3
TREE WELL
REF. 1/LP2.3
DECOMPOSED
GRANITE (TYP.)
REF. 3/LP2.1
STEEL EDGING
1/LP2.1
Bou blo
29 - 2 gal
PROJECT EXTENTS
CAUTION! EXISTING
WATER LINE
STEEL EDGING
1/LP2.1
DECOMPOSED
GRANITE (TYP.)
REF. 3/LP2.1
MCLEAN BLVD.
MATCHLINE LP1.7
MATCHLINE LP1.5
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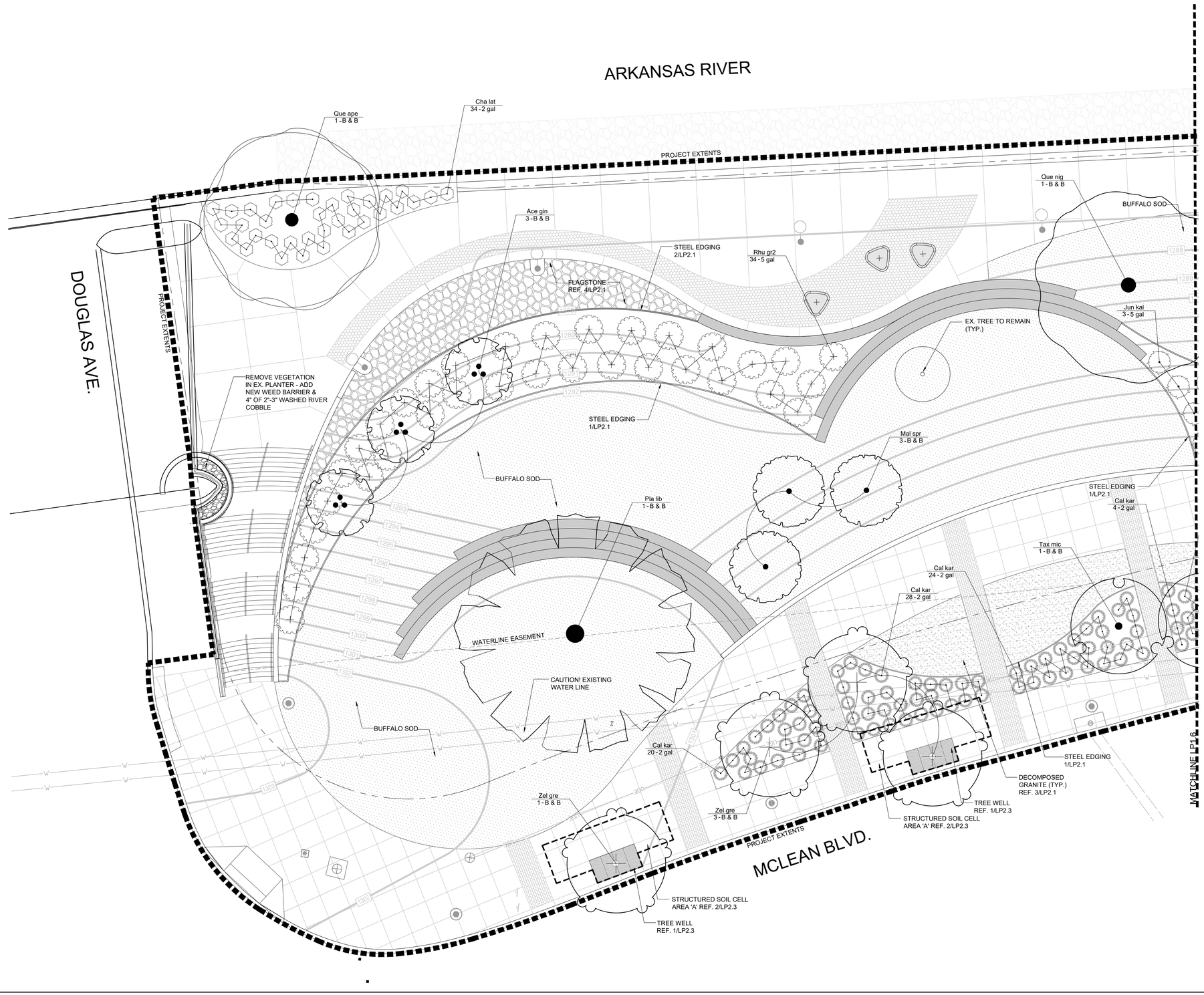

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JEFFREY ALAN BEST
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11-1679
KANSAS
LANDSCAPE ARCHITECT
02.28.25

CONTACT:	J. BEST
DRAWN:	JAB
CHECKED:	J. BEST

PROJECT NUMBER:
24103

SHEET TITLE:
LANDSCAPE PLAN

SHEET NUMBER:
LP1.7

LANDSCAPE NOTES

GENERAL

1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATIONS AND/OR ELEVATIONS OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

2. LANDSCAPE CONTRACTOR SHALL PROVIDE LABOR, MATERIALS AND SERVICE NECESSARY TO FURNISH AND INSTALL MATERIALS AS SPECIFIED HEREIN AND AS SHOWN ON THE PLANS.

3. THE CONTRACTOR SHALL REFER TO SPECIFICATION SECTION FOR ADDITIONAL REQUIREMENTS AND RELATED TO PLANTING AND LANDSCAPING. THE CONTRACTOR WILL BE EXPECTED TO FOLLOW ALL THE REQUIREMENTS CALLED FOR IN THE SPECIFICATIONS. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.

4. QUANTITIES OF MATERIALS SHOWN ON THE PLANTING PLAN TAKE PRECEDENCE OVER QUANTITIES SHOWN ON THE PLANT MATERIAL SCHEDULE. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK.

5. REPORT DISCREPANCIES IN THE PLANTING PLAN PRIOR TO PURCHASE OF MATERIALS OR STARTING CONSTRUCTION.

6. NO MATERIAL SUBSTITUTIONS SHALL BE MADE WITHOUT LANDSCAPE ARCHITECT'S WRITTEN APPROVAL. ALTERNATE MATERIALS OF SIMILAR SIZE AND CHARACTER MAY BE CONSIDERED IF SPECIFIED PLANT MATERIALS CANNOT BE OBTAINED. ARCHITECT RESERVES THE RIGHT TO REVISE PLANT LIST AS DEEMED NECESSARY.

7. PLANT SUBSTITUTIONS WILL ONLY BE ALLOWED UNDER THE FOLLOWING CONDITIONS: LANDSCAPE CONTRACTOR SHALL SUBMIT A WRITTEN SUBSTITUTION REQUEST TO THE ARCHITECT STATING WHAT PLANTS TO BE SUBSTITUTED AND THE REQUESTED SUBSTITUTION PLANT ALONG WITH EXPLANATION OF SUBSTITUTION REQUEST. NO SUBSTITUTION SHALL CONSTITUTE AN INCREASE IN COST FROM THE ORIGINAL CONTRACT AMOUNT. ANY PLANT SUBSTITUTIONS NOT APPROVED SHALL BE REPLACED BY THE LANDSCAPE CONTRACTOR AT THE TIME OF INSPECTION.

8. ALL MATERIALS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING AND AFTER INSTALLATION.

9. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF WORK. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON THE BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR 1) TO VERIFY THE LOCATIONS OF UTILITY LINES ADJACENT TO THE WORK AREA 2) TO PROTECT ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD 3) TO REPAIR ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCUR AS A RESULT OF CONSTRUCTION.

PLANTING PREPARATION

10. ALL LANDSCAPE BEDS ARE TO RECEIVE A MINIMUM OF 12" OF TOPSOIL, AND ALL TURF AREAS SHALL RECEIVE A MINIMUM OF 4" OF TOPSOIL. TOPSOIL SHALL BE A FRIABLE LOAM WITH GOOD STRUCTURE. SOLUBLE SALTS SHALL NOT EXCEED 500ppm AND ORGANIC MATTER SHALL BE NO LESS THAN 3%. The pH SHALL RANGE BETWEEN 5.5 AND 7.4.

11. THE LANDSCAPE CONTRACTOR SHALL HAVE TOPSOIL TESTED BY A CERTIFIED TESTING LABORATORY AND OBTAIN RECOMMENDATIONS FOR SOIL AMENDMENT TYPE(S) AND QUANTITIES. RECOMMENDATIONS SHALL BE SPECIFIC TO THE TOPSOIL OF THIS REPORT TO THE ARCHITECT FOR THEIR RECORDS. THE LANDSCAPE CONTRACTOR SHALL BE EXPECTED TO AMEND SOILS PER THE RECOMMENDATIONS AND SPECIFICATIONS. SUBMIT SOILS TEST RESULTS AND RECOMMENDATIONS FOR AMENDMENTS TO THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL.

15. BACKFILL: FOR PLANT EXCAVATIONS TO BE CLEAN NATURAL TOPSOIL MIXED WITH AMENDMENTS AT THE RATIOS SPECIFIED BY A CERTIFIED TOPSOIL ANALYSIS.

PLANTING MATERIALS

16. ALL PLANT MATERIAL SHALL BE WELL-FORMED AND DEVELOPED IN GOOD CONDITION, HEALTHY, VIGOROUS AND FREE OF PESTS AND DISEASE.

17. PLANTS SHALL COMPLY IN ALL APPLICABLE RESPECTS WITH ACCEPTABLE STANDARDS AS SET FORTH IN THE AMERICAN ASSOCIATION OF NURSERYMAN'S "AMERICAN STANDARD OF NURSERY STOCK." THESE STANDARDS SHALL REPRESENT THE GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE THE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIALS.

18. ALL TREES SHALL HAVE STRAIGHT TRUNKS (FOR SINGLE STEM SPECIES) AND FULL CROWN AND MEET ALL REQUIREMENTS SPECIFIED. ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DETAILS.

19. PLANT LOCATIONS AND QUANTITIES SHOWN ARE APPROXIMATE. ADJUST PLANT LOCATIONS AS NECESSARY TO AVOID CONFLICTS. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COVERAGE OF ALL PLANTING BEDS AT SPACING INDICATED ON THE PLANS.

20. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY AND PLANTING PER SPECIFICATIONS TO MAINTAIN HEALTHY PLANT CONDITIONS.

21. PLANT MATERIALS SHALL BE PROTECTED FROM THE DRYING ACTION OF THE SUN AND WIND AFTER BEING DUG, WHILE BEING TRANSPORTED, AND WHILE AWAITING PLANTING. BALLS OF PLANTS WHICH CANNOT BE PLANTED IMMEDIATELY SHALL BE PROTECTED FROM DRYING ACTION BY COVERING THEM WITH MOIST MULCH. PERIODICALLY, APPLY WATER TO MULCH-COVERED BALLS TO KEEP MOIST. IF PLANTING SHOULD OCCUR DURING GROWING SEASON, APPLY ANTI-DESSICANT TO LEAVES BEFORE TRANSPORT TO REDUCE LIKELIHOOD OF WINDBURN. REAPPLY ANTI-DESSICANT AFTER PLANTING PLANTING TO REDUCE TRANSPIRATION.

22. ALL PLANT MATERIAL SHALL BE CONTAINER GROWN OR BALLED AND BURLAPPED AS INDICATED IN THE PLANT SCHEDULE. PLANTS DESIGNATED CONTAINER GROWN SHALL HAVE BEEN GROWN IN POTS, CANS OR BOXES FOR FOR A MINIMUM OF SIX MONTHS AND A MAXIMUM OF TWO YEARS. THESE PLANTS SHALL BE REMOVED FROM CONTAINERS BEFORE PLANTING. PLANTS THAT APPEAR ROOT-BOUND SHALL BE REJECTED.

23. ANY PLANT MATERIAL WHICH IS DISEASED, DISTRESSED, DEAD, OR REJECTED (PRIOR TO SUBSTANTIAL COMPLETION) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY AND SIZE AND MEETING ALL PLANT LIST SPECIFICATIONS.

RELATED ITEMS

24. PLANTING BEDS SHALL BE COMPLETELY MULCHED AS SPECIFIED. PLACE 4" OF CYPRESS MULCH IN ALL SHRUB BEDS, PLACE 4" OF CYPRESS MULCH IN ALL TREE SAUCERS.

25. RIVER COBBLE: 2"- 3" SIZED WASHED RIVER COBBLE PLACED OVER WEED BARRIER FABRIC TO A DEPTH OF 4" AT BRIDGE PLANTERS.

26. PLANTING BEDS RECEIVING MULCH ARE TO BE FREE OF WEEDS AND GRASS. TREAT BEDS WITH A PRE-EMERGENT HERBICIDE PRIOR TO PLANTING AND MULCH PLACEMENT. APPLY IN ACCORDANCE WITH STANDARD TRADE PRACTICE.

27. ALL PLANTING BEDS SHALL BE SEPARATED FROM TURF AREAS AND RIVER COBBLE AREAS WITH COMMERCIAL-GRADE, BLACK, STEEL EDGING. EDGING SHALL BE SECURED WITH METAL STAKES SUFFICIENT TO HOLD EDGING IN PLACE. EDGING SHALL NOT EXTEND ABOVE ANY ADJACENT SIDEWALKS.

28. DECOMPOSED GRANITE: DECOMPOSED GRANITE TO BE ¾" MINUS WITH FINES AS PROVIDED BY KAFKA GRANITE (OR APPROVED EQUIVALENT).

DECOMPOSED GRANITE AREAS: STABILIZED PATHWAY MIX (ORGANIC LOCK)

DECOMPOSED GRANITE JOINT FILLER: WAX POLYMER PATHWAY MIX

COLOR: GOLDEN CREAM MARBLE

SUBMIT 1LB. SAMPLE FOR REVIEW & APPROVAL FOR EACH TYPE.

29. WEED MAT IS REQUIRED IN RIVER COBBLE AND LIMESTONE CHAT AREAS. THE CONTRACTOR SHALL USE A 4.1oz WOVEN POLYPROPYLENE, NEEDLE-PUNCHED FABRIC WEED BARRIER. OVERLAP EDGES A MINIMUM OF 6". SECURE EDGES WITH STAPLES.

LAWNS AND SEEDING

30. SOD TYPE: BUFFALO SOD - BUCHLOE DACTYLOIDES "LEGACY"

INSPECTIONS/MAINTENANCE AND CLEAN-UP

31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULLY MAINTAINING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) ALL OF THE PLANT MATERIALS AND LAWN UNTIL FINAL ACCEPTANCE.

32. THE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIAL FOR A PERIOD DEFINED IN THE SPECIFICATION. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS DURING THE NORMAL PLANTING SEASON.

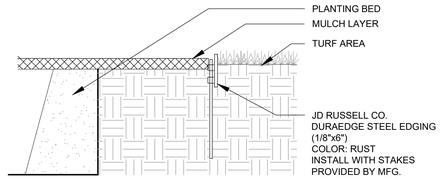
33. REMOVE ALL RUBBISH, EQUIPMENT AND MATERIAL AND LEAVE THE AREA IN A NEAT, CLEAN CONDITION EACH DAY. MAINTAIN PAVED AREAS UTILIZED FOR HAULING EQUIPMENT AND MATERIALS BY OTHER TRADES IN A CLEAN AND UNOBSTRUCTED CONDITION AT ALL TIMES.

34. REMOVE SOIL OR DIRT THAT ACCUMULATED DURING OR AS A RESULT OF PLANTING OPERATIONS EACH DAY.

35. LIMIT AMOUNT OF PRUNING TO A MINIMUM NECESSARY TO REMOVE DEAD OR INJURED TWIGS AND BRANCHES. PRUNE IN SUCH A MANNER AS NOT TO CHANGE NATURAL HABIT OR SHAPE OF PLANT. MAKE CUTS FLUSH, LEAVING NO STUBS. CENTRAL LEADERS SHALL NOT BE REMOVED.

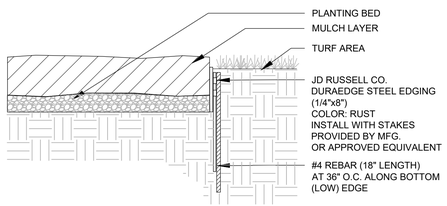
36. LANDSCAPE CONTRACTOR TO REMOVE TREE STAKES, GUYS, AND ALL DEAD WOOD ON TREES AND SHRUBS ONE YEAR AFTER PROVISIONAL ACCEPTANCE.

37. TREE PLANTINGS SHALL BE INSPECTED BY CITY OF WICHITA PARKS STAFF PRIOR TO ACCEPTANCE OF THE PROJECT. ANY MODIFICATIONS AND COSTS ASSOCIATED WITH TREE PLANTING REQUESTED BY CITY STAFF SHALL BE CONSIDERED SUBSIDIARY TO THE COST OF THE TREE PLANTING BID ITEM. CONTACT: TIM KELLAMS TO SCHEDULE THIS INSPECTION AT tkellams@wichita.gov.



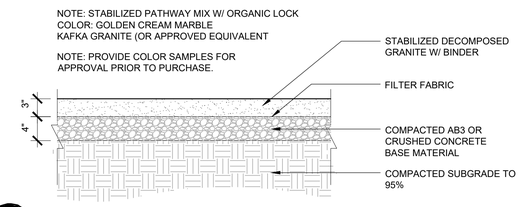
1 EDGING DETAIL

PLANTING BEDS / TURF — 3/16"=1'-0"



2 EDGING DETAIL

FLAGSTONE AREAS — 3/16"=1'-0"



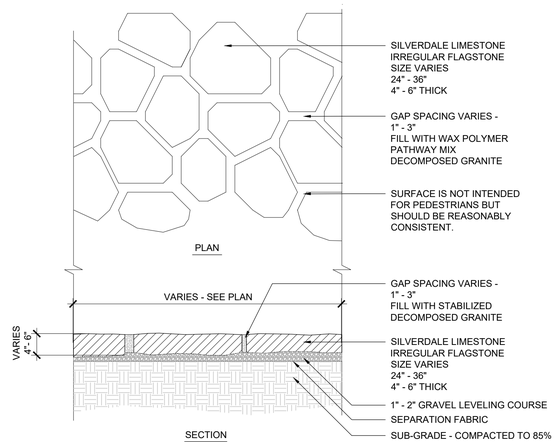
3 DECOMPOSED GRANITE

1" = 1'-0"

PLANT SCHEDULE

CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	REMARKS
TREES						
Ace gin	9	Acer ginnala `Flame`	Flame Amur Maple	B & B	8` Ht.	3-4 Canes
Ace mtn	1	Acer miyabei `Morton`	State Street™ Miyabe Maple	B & B	3"Cal	
Cer ren	11	Cercis reniformis `Oklahoma`	Oklahoma Red Bud	B & B	2"Cal	
Jun ta2	9	Juniperus virginiana `Taylor`	Taylor Eastern Redcedar	Container	6` Ht.	
Mal pra	6	Malus x `Prairifire`	Prairifire Crab Apple	B & B	2"Cal	
Mal spr	6	Malus x `Spring Snow`	Spring Snow Crab Apple	B & B	2"Cal	
Pla lib	1	Platanus x acerifolia 'Liberty'	Liberty London Plane Tree	B & B	6"Cal	
Que nig	4	Quercus nigra	Water Oak	B & B	3"Cal	
Que ape	2	Quercus phellos 'Greenenvy'	Kingpin® Willow Oak	B & B	3"Cal	
Que shu	1	Quercus shumardii	Shumard Red Oak	B & B	3"Cal	
Tax mic	16	Taxodium distichum 'Mickelson'	Shawnee Brave™ Bald Cypress	B & B	3"Cal	
Ulm all	3	Ulmus parvifolia `Allee`	Allee Lacebark Elm	B & B	3"Cal	
Zel gre	14	Zelkova serrata `Green Vase`	Sawleaf Zelkova	B & B	3"Cal	Raise canopy to 6-7ft. above finished grade.

CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	HEIGHT	REMARKS
SHRUBS						
Bou blo	152	Bouteloua gracilis `Blonde Ambition`	Blue Grama	2 gal		
Cal kar	113	Calamagrostis x acutiflora `Karl Foerster`	Feather Reed Grass	2 gal		
Cha lat	104	Chasmanthium latifolium	Northern Sea Oats	2 gal		
Cor is2	23	Cornus stolonifera `Isanti`	Isanti Dogwood	5 gal		
Hel sap	90	Helictotrichon sempervirens 'Sapphire'	Sapphire Blue Oat Grass	2 gal		
Jun an3	33	Juniperus horizontalis plumosa `Andorra`	Andorra Juniper	5 gal		Triangle Spacing
Jun kal	128	Juniperus x pfitzeriana `Kallay`s Compact`	Juniper	5 gal		
Lag wii	18	Lagerstroemia indica 'Whit II'	Dynamite® Crape Myrtle	5 gal		
Pan hea	43	Panicum virgatum 'Heavy Metal'	Heavy Metal Switch Grass	2 gal		
Pan sha	138	Panicum virgatum `Shenendoah`	Burgundy Switch Grass	2 gal		
Par gre	53	Parthenocissus tricuspidata `Green Showers`	Green Showers Boston Ivy	1 gal		
Rhu gr2	161	Rhus aromatica `Gro-Low`	Gro-Low Fragrant Sumac	5 gal		
Rhu tig	3	Rhus typhina `Tiger Eyes`	Tiger Eyes Sumac	5 gal		
Spo he2	176	Sporobolus heterolepis	Prairie Dropseed	2 gal		
Yuc gol	43	Yucca filifera `Golden Sword`	Golden Sword Yucca	5 gal		



NOTE:
INSTALL 10'x10' SECTION FOR REVIEW & APPROVAL

NOTE:
WAX POLYMER PATHWAY MIX
COLOR: GOLDEN CREAM MARBLE
KAFKA GRANITE (OR APPROVED EQUIVALENT

NOTE:
SUBMIT PHOTOGRAPHS OF SELECTED STONE PRIOR TO PURCHASE FOR APPROVAL

4 FLAGSTONE INSTALLATION DETAIL

3/4" = 1'-0"

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RIVER CORRIDOR IMPROVEMENTS
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JEFFREY ALAN WEIR
LICENSED
11-1679
KANSAS
LANDSCAPE ARCHITECT

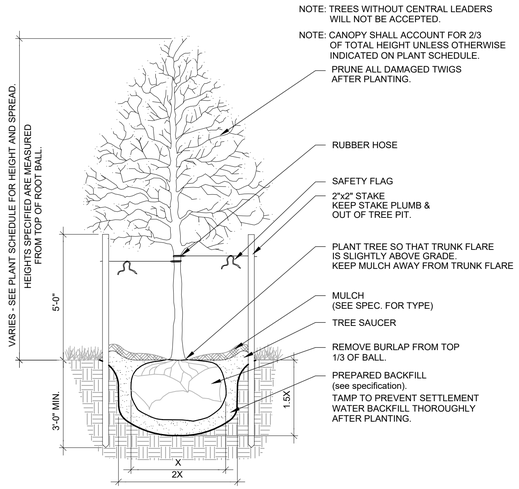
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER: 24103

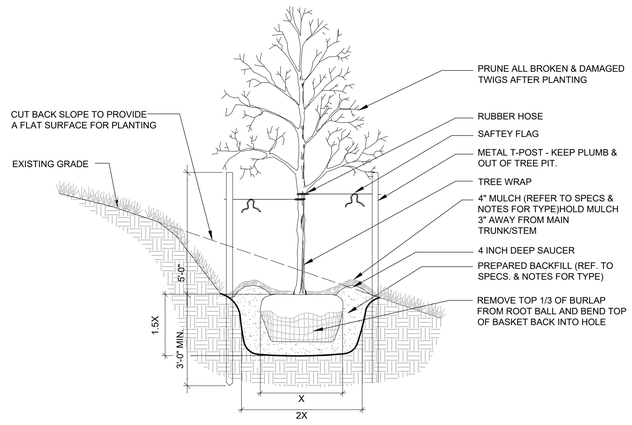
SHEET TITLE: LANDSCAPE NOTES, SCHEDULE, DETAILS

SHEET NUMBER: LP2.1



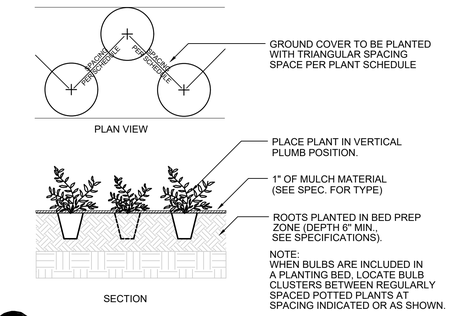
1 TREE PLANTING & STAKING DETAIL

3/8" = 1'-0"



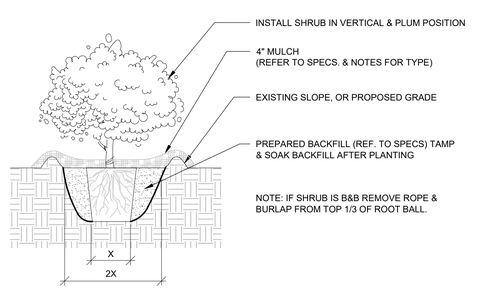
2 TREE PLANTING / STABILIZATION ON SLOPE

3/8" = 1'-0"



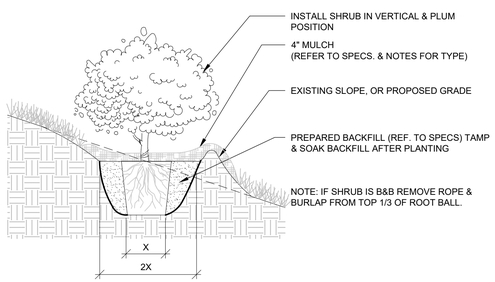
3 GROUNDCOVER PLANTING DETAIL

NTS



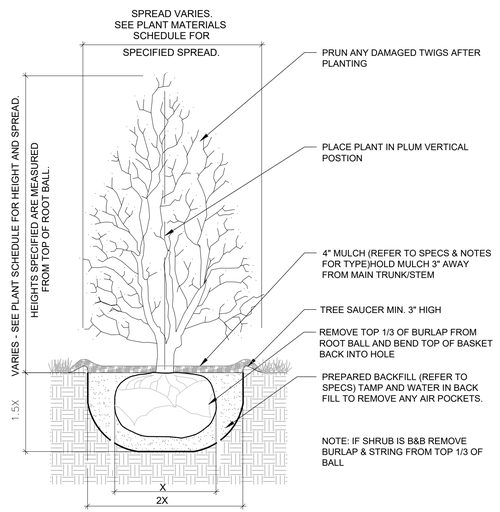
4 SHRUB PLANTING DETAIL

1/2"=1'-0"



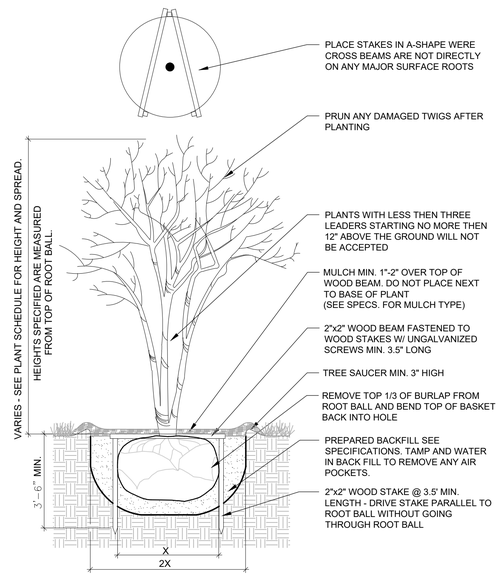
5 SHRUB PLANTING DETAIL

1/2"=1'-0"



6 UPRIGHT SHRUB PLANTING DETAIL

3/8" = 1'-0"



7 MULTI TRUNK ROOT BALL STAKING

3/8" = 1'-0"

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JEFFREY ALAN BEST LICENSED LANDSCAPE ARCHITECT 1414879 KANSAS

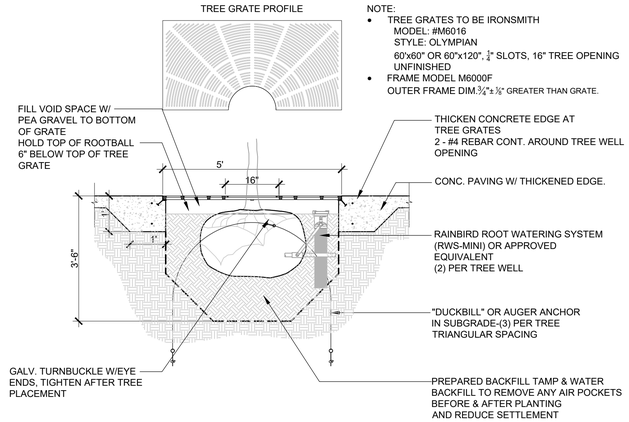
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER: 24103

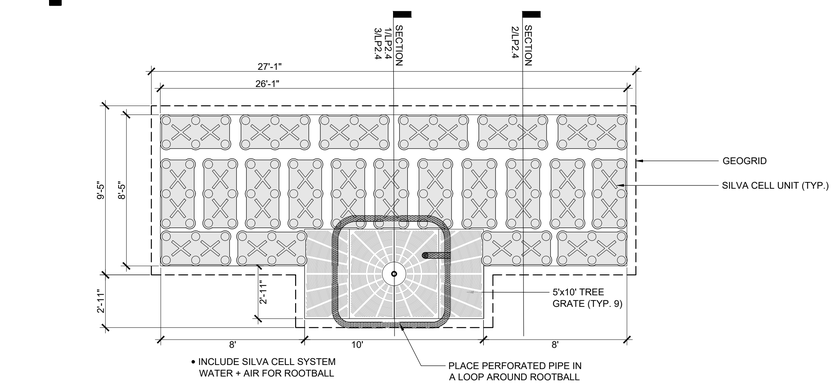
SHEET TITLE: LANDSCAPE DETAILS

SHEET NUMBER: LP2.2



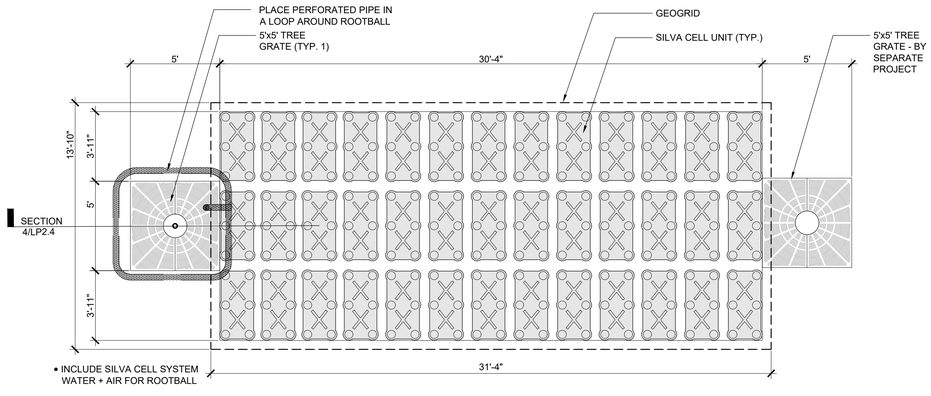
1 TREE WELL - CONSTRUCTION

1/2" = 1'-0"



2 STRUCTURED SOIL AREA 'A' ENLARGED PLAN

1/4" = 1'-0"



3 STRUCTURED SOIL AREA 'B' ENLARGED PLAN

1/4" = 1'-0"

STRUCTURED SOIL CELL SYSTEM NOTES:

1. STRUCTURED SOIL CELL SYSTEM (SUSPENDED PAVEMENT) DESIGN IS BASED AROUND DEEPROOT SILVA CELL SYSTEM. EQUIVALENT PRODUCTS SHALL BE ALLOWED UNDER THE FOLLOWING CONDITIONS:
   - PROVIDE ADEQUATE INFORMATION TO PROVE ALTERNATIVE PRODUCT IS EQIVALENT TO THAT IN MATERIALS, FABRICATION AND PERFORMANCE.
   - PROVIDE SHOP DRAWINGS SHOWING THE ALTERNATIVE PRODUCT TO BE USED SPECIFIC TO THE PROJECT CONDITIONS. THIS INCLUDES A CALCULATION TO SHOW AMOUNT OF ROOTING SOIL (CUBIC FEET) THAT IS EQUAL TO OR GREATER THAN WHAT IS DESIGNED FOR HEREIN.
   - ALTERNATIVE PRODUCTS SHALL BE SUBMITTED PRIOR TO BID FOR REVIEW AND APPROVAL. NO SUBSTITUTIONS WILL BE ALLOWED AFTER AWARD OF THE BID.
2. DEEPROOT SILVA CELL:
   DEEPROOT INFRASTRUCTURE, LLC
   101 MONTGOMERY STREET, SUITE 2850
   SAN FRANCISCO, CA 94104
   ph. 1.800.741.9700
   www.deeproot.COM
3. PRODUCT: 3x SILVA CELL SYSTEM
   ASSEMBLED DIMENSIONS (EACH CELL) 47.2" LONG x 23.6" WIDE x 43" HIGH
4. ALL COMPONENTS AND BACKFILL SHOWN IN THE INSTALLATION DETAILS SHALL BE CONSIDERED SUBSIDIARY TO THE CUBIC FOOT COST OF THE BID LINE ITEM.
5. INSTALL STRUCTURED SOIL CELL SYSTEM PER THE SPECIAL PROVISIONS, MANUFACTURER GUIDELINES AND RECOMMENDATIONS. CONTACT DEEPROOT TO SCHEDULE AN ON-SITE MANUFACTURER'S TECHNICAL REPRESENTATIVE FOR OBSERVATION DURING INSTALLATION
6. INSTALLER SHALL CONDUCT A PRE-INSTALLATION MEETING BETWEEN THE GENERAL CONTRACTOR, INSTALLER, LANDSCAPE ARCHITECT, MANUFACTURER'S TECHNICAL REPRESENTATIVE, CITY OF WICHITA ENGINEERING AND PARKS DEPARTMENT.
7. PLANTING BACKFILL: PLANTING BACKFILL SHALL BE A SHREDDED, FRIABLE LOAM WITH GOOD STRUCTURE. SOLUBLE SALTS SHALL NOT EXCEED 500ppm AND ORGANIC MATTER SHALL BE NO LESS THAN 3%. The pH SHALL RANGE BETWEEN 5.5 AND 7.4. PROVIDE SOILS ANALYSIS OF PROPOSED BACKFILL TO THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL.
8. PROVIDE COMPACTION TEST RESULTS FOR SUBGRADE COMPACTION PRIOR TO INSTALLATION OF AGGREGATE BASE COURSE. ONE TEST PER TREE (10 TESTS).

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JEFFREY ALAN BEST LICENSED LANDSCAPE ARCHITECT 1679 KANSAS

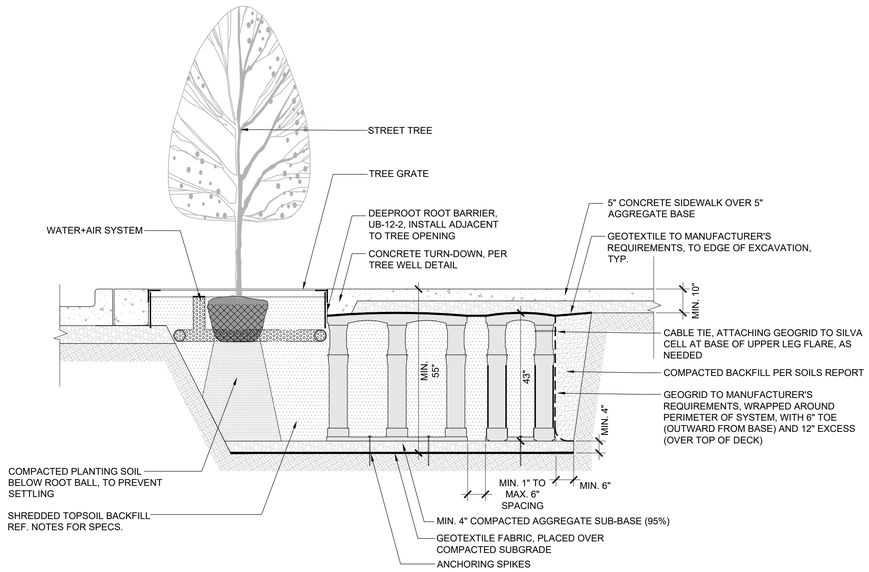
02.28.25

CONTACT: J. BEST
DRAWN: JAB
CHECKED: J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: LANDSCAPE NOTES, SCHEDULE, DETAILS

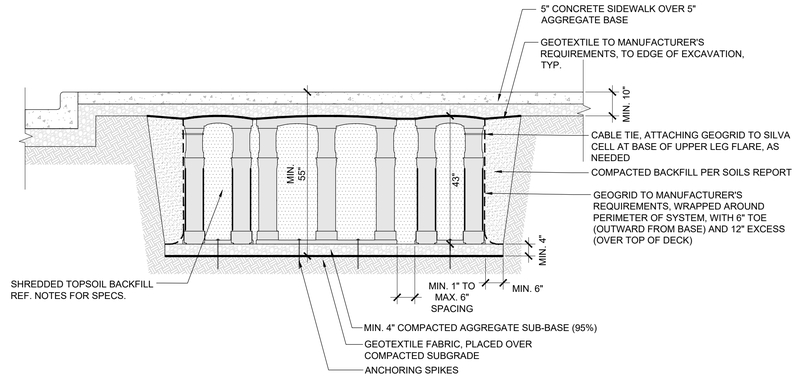
SHEET NUMBER: LP2.3



1 SILVA CELLS UNDER CONCRETE W/ TREE OPENNING

3X SILVA CELL SYSTEM

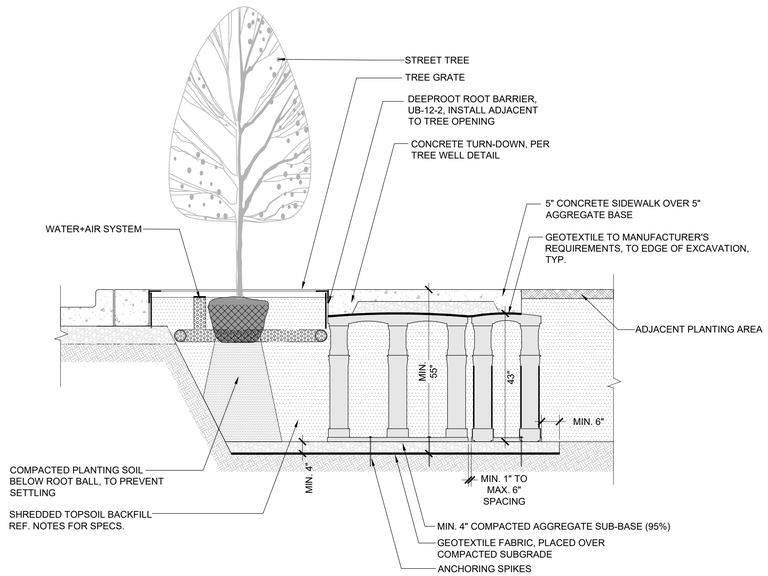
SCALE: 1/2" = 1'-0"



2 SILVA CELLS UNDER CONCRETE PAVEMENT

3X SILVA CELL SYSTEM

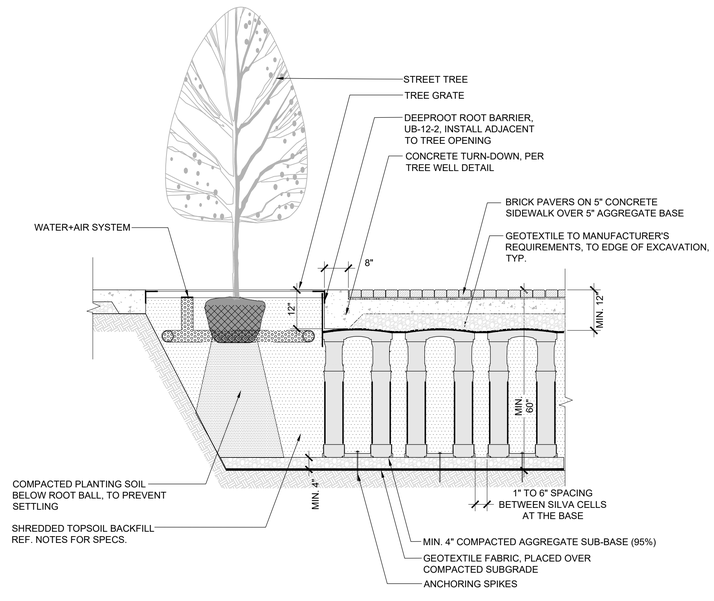
SCALE: 1/2" = 1'-0"



3 SILVA CELLS UNDER CONCRETE ADJ. TO PLANTER

3X SILVA CELL SYSTEM

SCALE: 1/2" = 1'-0"



4 SILVA CELLS UNDER PAVERS W/TREE OPENNING

3X SILVA CELL SYSTEM

SCALE: 1/2" = 1'-0"

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JEFFREY ALAN BEST LICENSED LANDSCAPE ARCHITECT 1679 KANSAS

02.28.25

CONTACT:	J. BEST
DRAWN:	JAB
CHECKED:	J. BEST

PROJECT NUMBER: 24103

SHEET TITLE: LANDSCAPE NOTES, SCHEDULE, DETAILS

SHEET NUMBER: LP2.4

INSTALLATION GENERAL NOTES

1. THE SYSTEM DESIGN ASSUMES A MINIMUM DYNAMIC PRESSURE FOR THE IRRIGATION SYSTEM OF 70 PSI , AT A DESIGN FLOW OF 40 GPM AT THE 1.5-INCH IRRIGATION POINT-OF-CONNECTION (POC). TAP, METER, BACKFLOW PREVENTER, MASTER VALVE AND FLOW METER SHALL BE SIZED AS INDICATED IN THE DRAWING LEGEND. VERIFY PRESSURE AND FLOW ON SITE PRIOR TO CONSTRUCTION.
2. READ THOROUGHLY AND BECOME FAMILIAR WITH THE SPECIFICATIONS AND INSTALLATION DETAILS FOR THIS AND RELATED WORK PRIOR TO CONSTRUCTION.
3. COORDINATE UTILITY LOCATES ("CALL BEFORE YOU DIG") OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
4. DO NOT PROCEED WITH THE INSTALLATION OF THE IRRIGATION SYSTEM WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. IF DISCREPANCIES IN CONSTRUCTION DETAILS, LEGEND, NOTES, OR SPECIFICATIONS ARE DISCOVERED, BRING ALL SUCH OBSTRUCTIONS OR DISCREPANCIES TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
5. THE DRAWINGS ARE DIAGRAMMATIC. THEREFORE, THE FOLLOWING SHOULD BE NOTED:
   A. ALTHOUGH IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE PLANTING AREAS FOR CLARITY, INSTALL IRRIGATION PIPE AND WIRING IN LANDSCAPED AREAS WHENEVER POSSIBLE.
   B. TREE AND SHRUB LOCATIONS AS SHOWN ON LANDSCAPE PLANS TAKE PRECEDENCE OVER IRRIGATION EQUIPMENT LOCATIONS. AVOID CONFLICTS BETWEEN THE IRRIGATION SYSTEM, PLANTING MATERIALS, AND ARCHITECTURAL FEATURES.
   C. USE ONLY STANDARD TEES AND ELBOW FITTINGS. USE OF TEES IN THE BULLNOSE CONFIGURATION, OR USE OF CROSS TYPE FITTINGS IS NOT ALLOWED.
6. PROVIDE THE FOLLOWING COMPONENTS TO THE OWNER PRIOR TO THE COMPLETION OF THE PROJECT:
   A. TWO (2) OPERATING KEYS FOR EACH TYPE OF MANUALLY OPERATED VALVES.
   B. TWO (2) OF EACH SERVICING WRENCH OR TOOL NEEDED FOR COMPLETE ACCESS, ADJUSTMENT, AND REPAIR OF ALL ROTARY SPRINKLERS.
7. SELECT NOZZLES FOR SPRAY AND ROTARY SPRINKLERS WITH ARCS WHICH PROVIDE COMPLETE AND ADEQUATE COVERAGE WITH MINIMUM OVERSPRAY FOR THE SITE CONDITIONS. CAREFULLY ADJUST THE RADIUS OF THROW AND ARC OF COVERAGE OF EACH ROTARY SPRINKLER TO PROVIDE THE BEST PERFORMANCE.
8. THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF IRRIGATION SLEEVING. SLEEVES ARE REQUIRED FOR BOTH PIPING AND ELECTRICAL WIRING AT EACH HARDSCAPE CROSSING. COORDINATE INSTALLATION OF SLEEVING WITH OTHER TRADES. ANY PIPE OR WIRE WHICH PASSES BENEATH EXISTING HARDSCAPE WHERE SLEEVING WAS NOT INSTALLED WILL REQUIRE HORIZONTAL BORING BY THE IRRIGATION CONTRACTOR. PIPE SLEEVES SHALL BE SIZED TWICE THE NOMINAL SIZE OF THE PIPE PASSING THROUGH.
9. INSTALL ALL ELECTRICAL POWER TO THE IRRIGATION CONTROL SYSTEM IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE LOCAL ELECTRIC UTILITY CODES.
10. THE FOLLOWING SHOULD BE NOTED REGARDING PIPE SIZING: IF A SECTION OF UNSIZED PIPE IS LOCATED BETWEEN TWO IDENTICALLY SIZED SECTIONS, THE UNSIZED PIPE IS THE SAME NOMINAL SIZE AS THE TWO SIZED SECTIONS. THE UNSIZED PIPE SHOULD NOT BE CONFUSED WITH THE DEFAULT PIPE SIZE NOTED IN THE LEGEND.
11. INSTALL ONE (1) #14 AWG TWO-WIRE PAIR , FOR USE AS SPARES. INSTALL SPARE WIRES FROM CONTROLLER LOCATION TO EACH DEAD-END OF MAINLINE. COIL 3 FEET OF WIRE IN VALVE BOX.
12. IRRIGATION CONTRACTOR TO INSTALL PAIGE DECODER CABLE FUSE DEVICES (DCFD), AT ALL DECODER CABLE DIRECTIONAL SPLITS AND/OR CHANGES. INSTALL ALL SPLICES WITHIN A 10" VALVE BOX.

IRRIGATION SYSTEM DESIGN PARAMETERS

THE FACTORS IN THE TABLE BELOW WERE UTILIZED IN THE IRRIGATION SYSTEM DESIGN TO DETERMINE TAP CAPACITY REQUIREMENTS AND MAINLINE SIZE AND ARE MADE AVAILABLE TO GUIDE DECISIONS ON THE SYSTEM OPERATION BY THE CONTRACTOR. MULTIPLE ZONES WILL BE REQUIRED TO OPERATE AT THE SAME TIME UP TO A COMBINED TOTAL EQUAL TO THE MINIMUM FLOW REQUIRED AT THE POC WHEN ZONE SIZES ARE LOWER THAN THE MINIMUM FLOW REQUIRED AT THE POC.

MINIMUM PRESSURE REQUIREMENT AT POC	70 PSI
MINIMUM FLOW REQUIRED AT POC	40 GPM
MAXIMUM FLOW AT FURTHEST POINTS OF THE SYSTEM	40 GPM
TOTAL IRRIGATION DAYS PER WEEK	6 DAYS
WATER WINDOW PER DAY	8 HRS

ESTIMATED ANNUAL WATER USE

THE IRRIGATION SYSTEM AS SHOWN ON THIS PLAN HAS AN ESTIMATED ANNUAL WATER USE OF 973,782 GALLONS. TO VERIFY EFFICIENT IRRIGATION SYSTEM OPERATION, THE OWNER SHALL COMPARE THIS ESTIMATED IRRIGATION WATER USE WITH ACTUAL WATER USE, AS RECORDED ON SITE, AFTER ALL PLANT MATERIAL HAS BEEN ESTABLISHED.

THE ESTIMATED ANNUAL IRRIGATION WATER USE OF THIS SYSTEM IS BASED ON 30-YEARS AVERAGE EVAPOTRANSPIRATION RATES (ET) FOR THE LOCAL AREA AND TYPICAL NEW IRRIGATION SYSTEM EQUIPMENT EFFICIENCIES. MAJOR DEVIATIONS FROM THIS ESTIMATE USE SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER AND CURRENT IRRIGATION MAINTENANCE COMPANY AT THE TIME OF THE DEVIATION.

TO VERIFY EFFICIENT IRRIGATION SYSTEM OPERATION AND WATER USE, AN IRRIGATION SYSTEM EVALUATION AND AUDIT SHOULD BE PERFORMED.

IRRIGATION LEGEND

- SLEEVES: **CLASS 200 PVC**
- POINT-OF-CONNECTION ASSEMBLY
- MAINLINE PIPE: **CLASS 200 PVC**
  2 1/2-INCH SIZE UNLESS OTHERWISE INDICATED
- LATERAL PIPE TO SPRINKLERS: **CLASS 200 PVC**
  1-INCH SIZE UNLESS OTHERWISE INDICATED
- LATERAL PIPE TO TREE EMITTERS: **CLASS 200 PVC**
  1-INCH SIZE UNLESS OTHERWISE INDICATED
- UNCONNECTED PIPE CROSSING
- REMOTE CONTROL VALVE ASSEMBLY FOR SPRINKLER LATERALS:
  RAIN BIRD PEBIVM (SIZED PER PLAN) W/ IVM-SOL SOLENOID
- QUICK COUPLING VALVE ASSEMBLY: **RAIN BIRD 5RC**
- ISOLATION GATE VALVE ASSEMBLY: **LEEMCO LGV SERIES**
- F — FLOW SENSOR ASSEMBLY: **RAIN BIRD FS100P WITH LXIVMSEN DECODER**
- BACKFLOW PREVENTION ASSEMBLY: **FEBCO 825YA (1.5")**
- M — WATER METER AND CURB STOP ASSEMBLY: **BY OTHERS**
- MASTER VALVE ASSEMBLY: **RAIN BIRD PEBIVM (1.5") W/ IVM-SOL SOLENOID**

A1 / 14 / 1" / Turf
- A1 — INDICATES CONTROLLER AND STATION NUMBER
- 14 — INDICATES LATERAL DISCHARGE (GPM)
- 1" — INDICATES VALVE SIZE (INCHES)
- Turf — INDICATES LANDSCAPE APPLICATION

- IRRIGATION CONTROLLER UNIT
  WITH **RAINBIRD WR2 RAIN/FREEZE SENSOR**
  IQ4 CELL COMUNICATION CATRIDGE
- A — **ESP-LXIVM WITH STAINLESS STEEL WALL-MOUNT ENCLOSURE**
- B — **ESP-LXIVM WITH STAINLESS STEEL WALL-MOUNT ENCLOSURE**
- c — IRRIGATION CONTROL WIRES IN CONDUIT
- GR — GROUNDING AND SURGE ARRESTOR ASSEMBLY: **RAIN BIRD IVM-SD**
- TREE BUBBLER ASSEMBLY: **TWO RAIN BIRD RWS-M-B-C-SOCK ROOT WATERING SYSTEM**
  PRESSURE: **30 PSI**
  FLOW (GPM): **0.5 PER BUBBLER; 1:00 PER ASSEMBLY**
- POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1806-S-P45 W/RVAN14 SERIES NOZZLE**
  PRESSURE: **45 PSI** RADIUS: **8 FEET TO 14 FEET**
  FLOW (GPM): **Q-0.32 H-0.63 F-1.27**
- 18 — POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1806-S-P45 W/RVAN18 SERIES NOZZLE**
  PRESSURE: **45 PSI** RADIUS: **13 FEET TO 18 FEET**
  FLOW (GPM): **Q-0.50 H-1.02 F-1.85**
- 24 — POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1806-S-P45 W/RVAN24 SERIES NOZZLE**
  PRESSURE: **45 PSI** RADIUS: **17 FEET TO 24 FEET**
  FLOW (GPM): **Q-0.92 H-1.84 F-3.67**
- SST / RCS / LCS — POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1806-S-P45 W/RVAN STRIP SERIES NOZZLE**
  PRESSURE: **45 PSI** RADIUS: **ADJUSTABLE RECTANGULAR SPRAY**
  FLOW (GPM): **SST-5'x30' 0.48 LCS/RCS 5'x15' 0.24**
- POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1812-S-P45 W/RVAN14 SERIES NOZZLE**
  PRESSURE: **45 PSI** RADIUS: **8 FEET TO 14 FEET**
  FLOW (GPM): **Q-0.32 H-0.63 F-1.27**
- 18 — POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1812-S-P45 W/RVAN18 SERIES NOZZLE**
  PRESSURE: **45 PSI** RADIUS: **13 FEET TO 18 FEET**
  FLOW (GPM): **Q-0.5 H-1.02 F-1.85**
- 24 — POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1812-S-P45 W/RVAN 24 SERIES NOZZLE**
  PRESSURE: **45 PSI** RADIUS: **17 FEET TO 24 FEET**
  FLOW (GPM): **Q-0.92 H-1.84 F-3.67**
- SST / RCS / LCS — POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1812-S-P45 W/RVAN STRIP SERIES NOZZLE**
  PRESSURE: **45 PSI** RADIUS: **ADJUTANLE RECTANGULAR SPRAY**
  FLOW (GPM): **SST-5'*30' 0.48 LCS/RCS 5'*15' 0.24**

CONSTRUCTION NOTES

1. THE IRRIGATION SYSTEM POINTS-OF-CONNECTION (POC) SHALL BE DOWNSTREAM OF THE IRRIGATION WATER TAPS AND METERS INSTALLED BY OTHERS AT THE APPROXIMATE LOCATIONSSHOWN. INSTALL BACKFLOW PREVENTION UNITS AND MASTER VALVE ASSEMBLIES AS INDICATED. VERIFY EXACT LOCATIONS OF POCs WITH OWNER'S REPRESENTATIVE.
2. WALL MOUNT THE IRRIGATION CONTROLLERS AT THE APPROXIMATE LOCATION SHOWN. COORDINATE ELECTRICAL POWER TO THE CONTROLLER WITH THE OWNER'S REPRESENTATIVE . FINAL LOCATION TO BE APPROVED BY OWNER'S REPRESENTATIVE.

Hines Inc
SITE WATER ENGINEERING SERVICES
323 W. DRAKE RD, SUITE 204
FORT COLLINS, COLORADO 80526
Telephone: 970.282.1800
Web: www.hinesinc.com

PRINTS ISSUED

DATE	PURPOSE	NO.
02.28.25	FOR BID/CONSTRUCTION	

RIVER CORRIDOR IMPROVEMENTS
WEST BANK - RIVERFRONT
STADIUM
WICHITA, KS

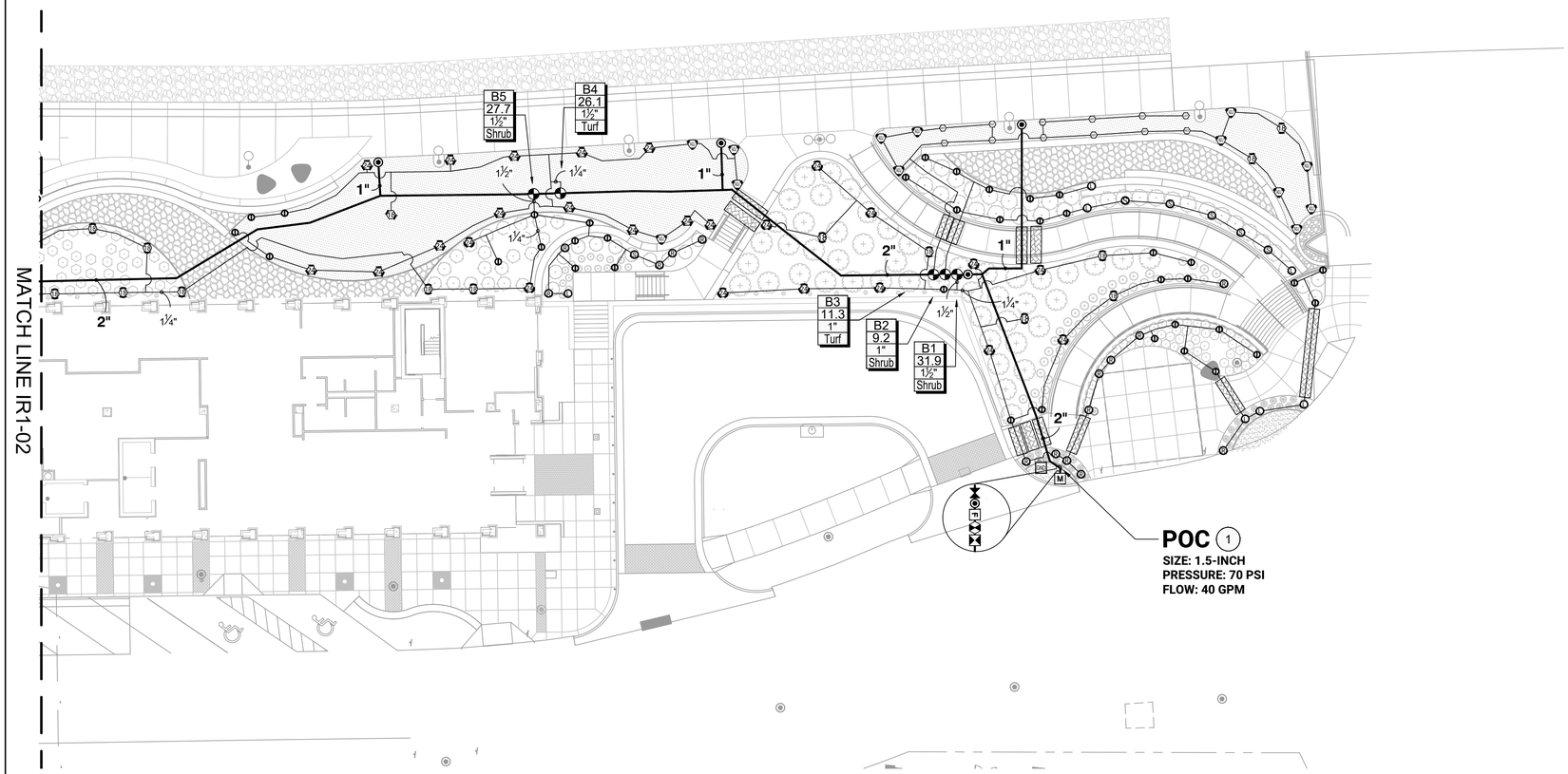
LK ARCHITECTURE
345 Riverview, Suite 200, Wichita, KS 67203
T 316.268.0230 F 316.268.0205

002932

CONTACT:
DRAWN: MM
CHECKED: JZ
PROJECT NUMBER:

SHEET TITLE:
IRRIGATION LEGEND &NOTES

SHEET NUMBER:
IR1-00



NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

IRRIGATION LEGEND

- SLEEVES: **CLASS 200 PVC**
- POINT-OF-CONNECTION ASSEMBLY
- MAINLINE PIPE: **CLASS 200 PVC**
  2 1/2-INCH SIZE UNLESS OTHERWISE INDICATED
- LATERAL PIPE TO SPRINKLERS: **CLASS 200 PVC**
  1-INCH SIZE UNLESS OTHERWISE INDICATED
- LATERAL PIPE TO TREE EMITTERS: **CLASS 200 PVC**
  1-INCH SIZE UNLESS OTHERWISE INDICATED
- UNCONNECTED PIPE CROSSING
- REMOTE CONTROL VALVE ASSEMBLY FOR SPRINKLER LATERALS:
  RAIN BIRD PEBIVM (SIZED PER PLAN) W/ IVM-SOL SOLENOID
- QUICK COUPLING VALVE ASSEMBLY: **RAIN BIRD 5RC**
- ISOLATION GATE VALVE ASSEMBLY: **LEEMCO LGV SERIES**
- (F) FLOW SENSOR ASSEMBLY: **RAIN BIRD FS100P WITH LXIVMSEN DECODER**
- BACKFLOW PREVENTION ASSEMBLY: **FEBCO 825YA (1.5")**
- (M) WATER METER AND CURB STOP ASSEMBLY: **BY OTHERS**
- MASTER VALVE ASSEMBLY: **RAIN BIRD PEBIVM (1.5") W/ IVM-SOL SOLENOID**

A1 / 14 / 1" / Turf
- INDICATES CONTROLLER AND STATION NUMBER
- INDICATES LATERAL DISCHARGE (GPM)
- INDICATES VALVE SIZE (INCHES)
- INDICATES LANDSCAPE APPLICATION

- IRRIGATION CONTROLLER UNIT
  WITH **RAINBIRD WR2 RAIN/FREEZE SENSOR**
  IQ4 CELL COMUNICATION CATRIDGE
- (A) **ESP-LXIVM WITH STAINLESS STEEL WALL-MOUNT ENCLOSURE**
- (B) **ESP-LXIVM WITH STAINLESS STEEL WALL-MOUNT ENCLOSURE**
- c — IRRIGATION CONTROL WIRES IN CONDUIT
- (DC) GROUNDING AND SURGE ARRESTOR ASSEMBLY: **RAIN BIRD IVM-SD**
- TREE BUBBLER ASSEMBLY: **TWO RAIN BIRD RWS-M-B-C-SOCK ROOT WATERING SYSTEM**
  PRESSURE: **30 PSI**
  FLOW (GPM): **0.5 PER BUBBLER; 1:00 PER ASSEMBLY**
- POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1806-S-P45 W/RVAN14 SERIES NOZZLE**
  PRESSURE: **45 PSI** RADIUS: **8 FEET TO 14 FEET**
  FLOW (GPM): **Q-0.32 H-0.63 F-1.27**
- POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1806-S-P45 W/RVAN18 SERIES NOZZLE**
  PRESSURE: **45 PSI** RADIUS: **13 FEET TO 18 FEET**
  FLOW (GPM): **Q-0.50 H-1.02 F-1.85**
- POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1806-S-P45 W/RVAN24 SERIES NOZZLE**
  PRESSURE: **45 PSI** RADIUS: **17 FEET TO 24 FEET**
  FLOW (GPM): **Q-0.92 H-1.84 F-3.67**
- (ST) (SQ) (SR) POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1806-S-P45 W/RVAN STRIP SERIES NOZZLE**
  PRESSURE: **45 PSI** RADIUS: **ADJUSTABLE RECTANGULAR SPRAY**
  FLOW (GPM): **SST-5'x30' 0.48 LCS/RCS 5'x15' 0.24**
- POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1812-S-P45 W/RVAN14 SERIES NOZZLE**
  PRESSURE: **45 PSI** RADIUS: **8 FEET TO 14 FEET**
  FLOW (GPM): **Q-0.32 H-0.63 F-1.27**
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  PRESSURE: **45 PSI** RADIUS: **13 FEET TO 18 FEET**
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  PRESSURE: **45 PSI** RADIUS: **17 FEET TO 24 FEET**
  FLOW (GPM): **Q-0.92 H-1.84 F-3.67**
- (L) (D) (S) POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1812-S-P45 W/RVAN STRIP SERIES NOZZLE**
  PRESSURE: **45 PSI** RADIUS: **ADJUTANLE RECTANGULAR SPRAY**
  FLOW (GPM): **SST-5'*30' 0.48 LCS/RCS 5'*15' 0.24**

CONSTRUCTION NOTES

1. **THE IRRIGATION SYSTEM POINTS-OF-CONNECTION (POC) SHALL BE DOWNSTREAM OF THE IRRIGATION WATER TAPS AND METERS INSTALLED BY OTHERS AT THE APPROXIMATE LOCATIONSSHOWN. INSTALL BACKFLOW PREVENTION UNITS AND MASTER VALVE ASSEMBLIES AS INDICATED. VERIFY EXACT LOCATIONS OF POCs WITH OWNER'S REPRESENTATIVE.**
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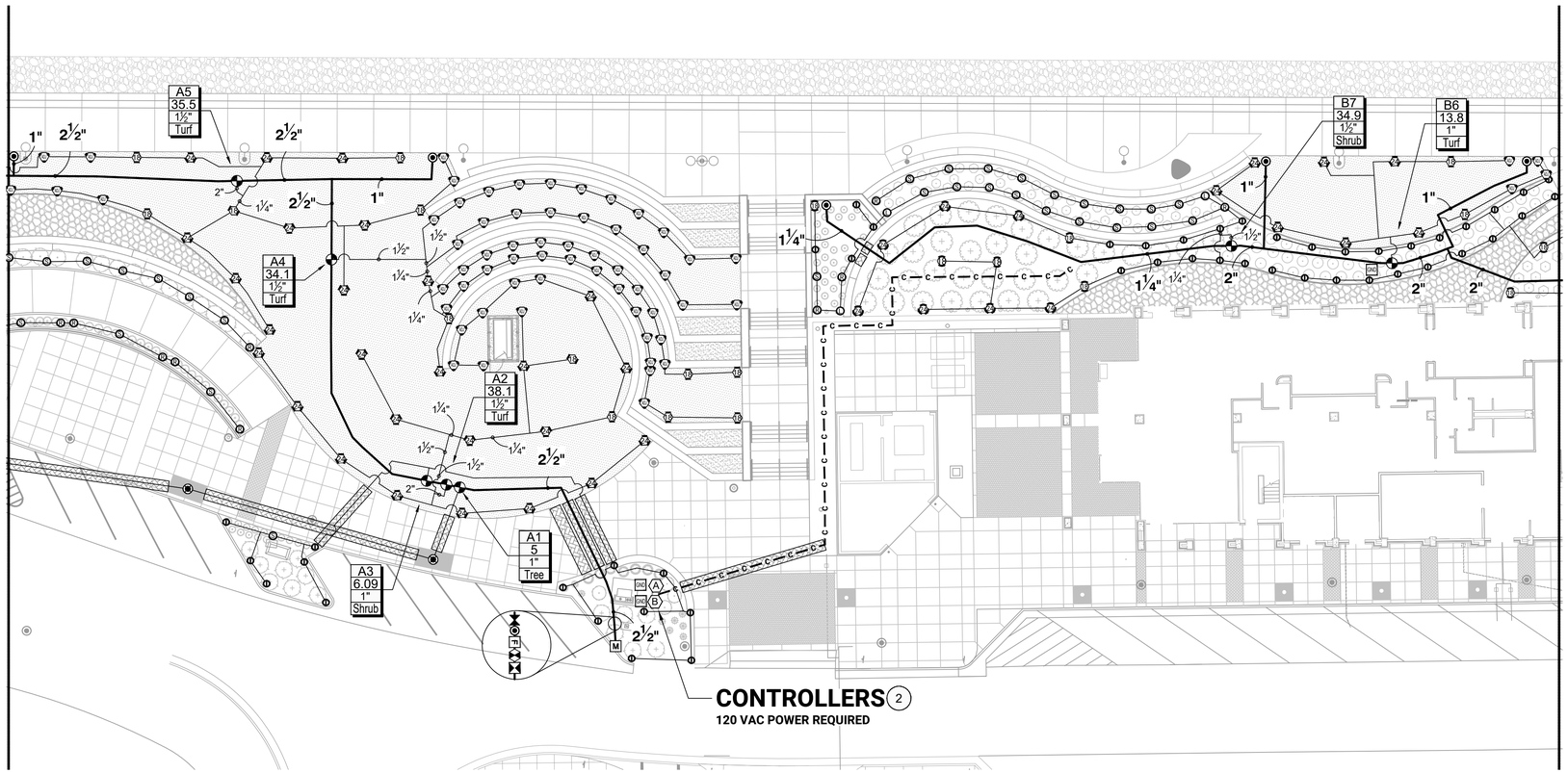
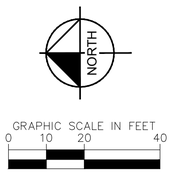
SHEET TITLE:
IRRIGATION PLAN

SHEET NUMBER:
IR1-01





IRRIGATION LEGEND

- SLEEVES: **CLASS 200 PVC**
- POINT-OF-CONNECTION ASSEMBLY
- MAINLINE PIPE: **CLASS 200 PVC**
  2 1/2-INCH SIZE UNLESS OTHERWISE INDICATED
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- QUICK COUPLING VALVE ASSEMBLY: **RAIN BIRD 5RC**
- ISOLATION GATE VALVE ASSEMBLY: **LEEMCO LGV SERIES**
- F FLOW SENSOR ASSEMBLY: **RAIN BIRD FS100P WITH LXIVMSEN DECODER**
- BACKFLOW PREVENTION ASSEMBLY: **FEBCO 825YA (1.5")**
- M WATER METER AND CURB STOP ASSEMBLY: **BY OTHERS**
- MASTER VALVE ASSEMBLY: **RAIN BIRD PEBIVM (1.5") W/ IVM-SOL SOLENOID**

A1 — INDICATES CONTROLLER AND STATION NUMBER
14 — INDICATES LATERAL DISCHARGE (GPM)
1" — INDICATES VALVE SIZE (INCHES)
Turf — INDICATES LANDSCAPE APPLICATION

- IRRIGATION CONTROLLER UNIT
  WITH **RAINBIRD WR2 RAIN/FREEZE SENSOR**
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- A **ESP-LXIVM WITH STAINLESS STEEL WALL-MOUNT ENCLOSURE**
- B **ESP-LXIVM WITH STAINLESS STEEL WALL-MOUNT ENCLOSURE**
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  PRESSURE: **45 PSI** RADIUS: **ADJUSTABLE RECTANGULAR SPRAY**
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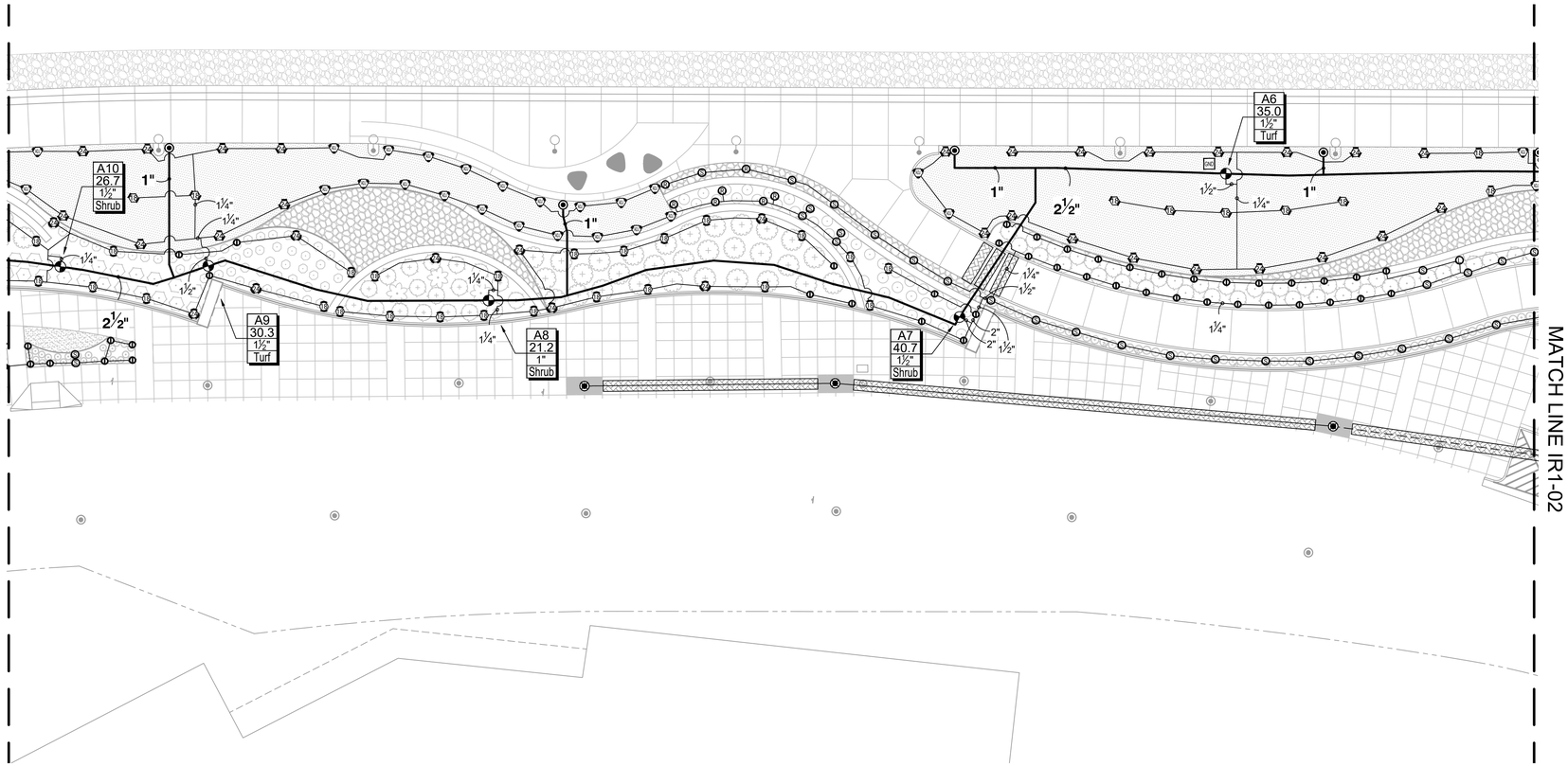

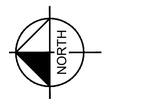

GRAPHIC SCALE IN FEET
0 10 20 40

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- F — FLOW SENSOR ASSEMBLY: **RAIN BIRD FS100P WITH LXIVMSEN DECODER**
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- A — **ESP-LXIVM WITH STAINLESS STEEL WALL-MOUNT ENCLOSURE**
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  PRESSURE: **30 PSI**
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- POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1806-S-P45 W/RVAN14 SERIES NOZZLE**
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  PRESSURE: **45 PSI** RADIUS: **ADJUSTABLE RECTANGULAR SPRAY**
  FLOW (GPM): **SST-5'x30' 0.48 LCS/RCS 5'x15' 0.24**
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Mark Temple 002932

CONTACT:
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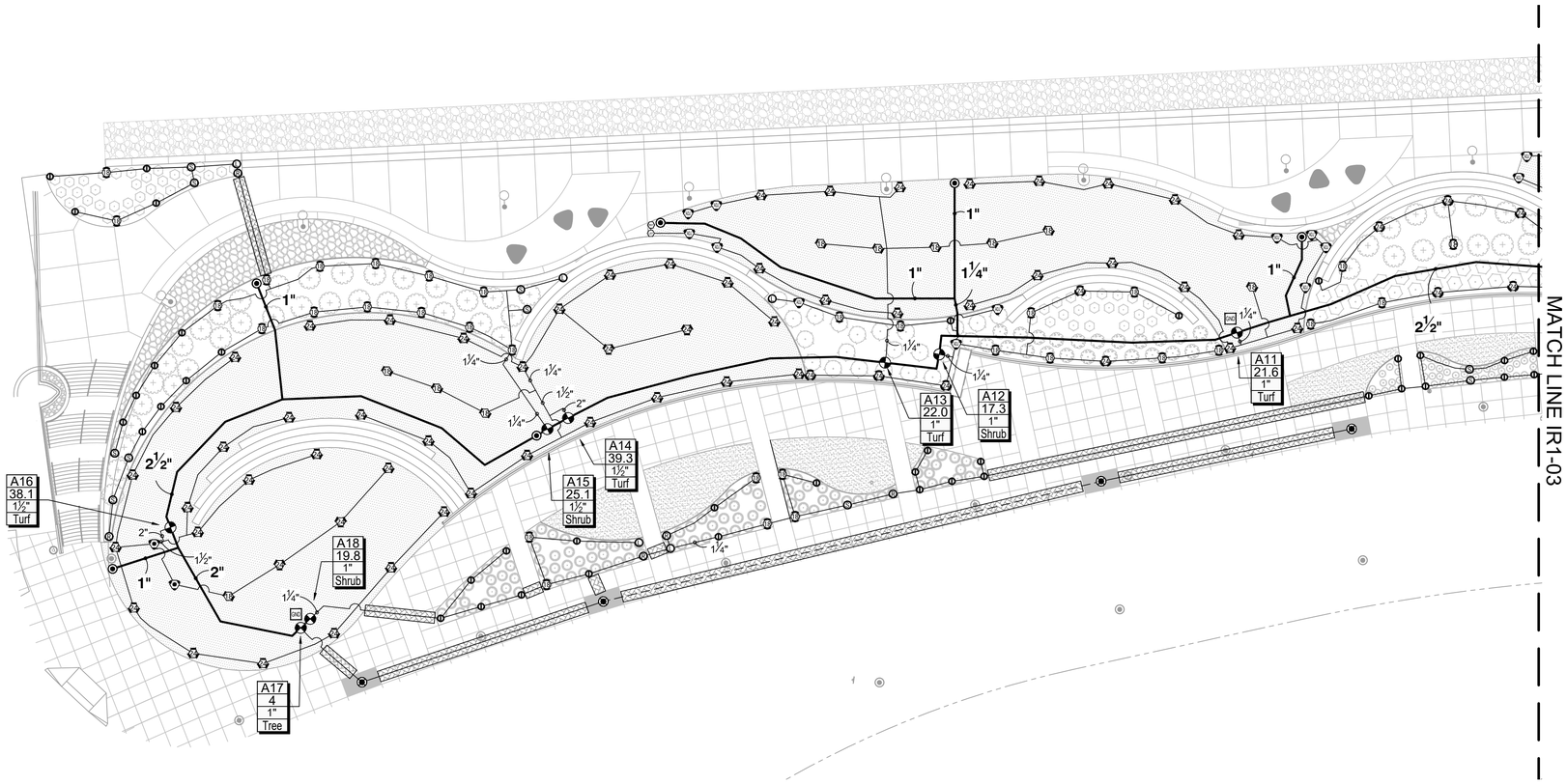
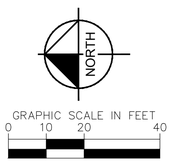
IRRIGATION PLAN

SHEET NUMBER:
IR1-03





IRRIGATION LEGEND

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  PRESSURE: **45 PSI** RADIUS: **13 FEET TO 18 FEET**
  FLOW (GPM): **Q-0.5 H-1.02 F-1.85**
- POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1812-S-P45 W/RVAN 24 SERIES NOZZLE**
  PRESSURE: **45 PSI** RADIUS: **17 FEET TO 24 FEET**
  FLOW (GPM): **Q-0.92 H-1.84 F-3.67**
- POP-UP ROTATING SPRAY SPRINKLER: **RAIN BIRD 1812-S-P45 W/RVAN STRIP SERIES NOZZLE**
  PRESSURE: **45 PSI** RADIUS: **ADJUTANLE RECTANGULAR SPRAY**
  FLOW (GPM): **SST-5'*30' 0.48 LCS/RCS 5'*15' 0.24**

CONSTRUCTION NOTES

1. **THE IRRIGATION SYSTEM POINTS-OF-CONNECTION (POC) SHALL BE DOWNSTREAM OF THE IRRIGATION WATER TAPS AND METERS INSTALLED BY OTHERS AT THE APPROXIMATE LOCATIONSSHOWN. INSTALL BACKFLOW PREVENTION UNITS AND MASTER VALVE ASSEMBLIES AS INDICATED. VERIFY EXACT LOCATIONS OF POCs WITH OWNER'S REPRESENTATIVE.**
2. **WALL MOUNT THE IRRIGATION CONTROLLERS AT THE APPROXIMATE LOCATION SHOWN. COORDINATE ELECTRICAL POWER TO THE CONTROLLER WITH THE OWNER'S REPRESENTATIVE . FINAL LOCATION TO BE APPROVED BY OWNER'S REPRESENTATIVE.**

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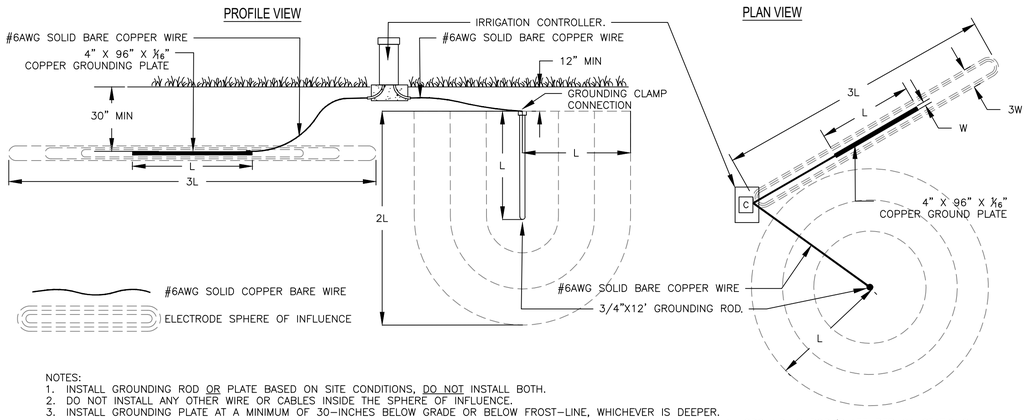
PROJECT NUMBER:

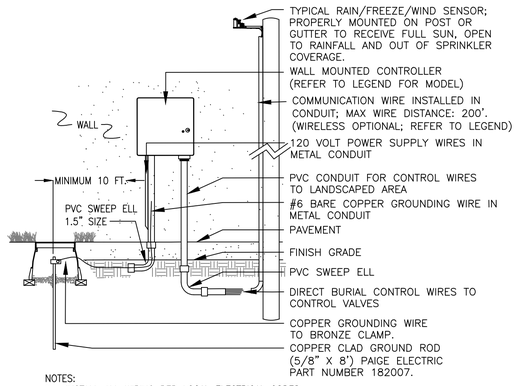
SHEET TITLE:
IRRIGATION PLAN

SHEET NUMBER:
IR1-04



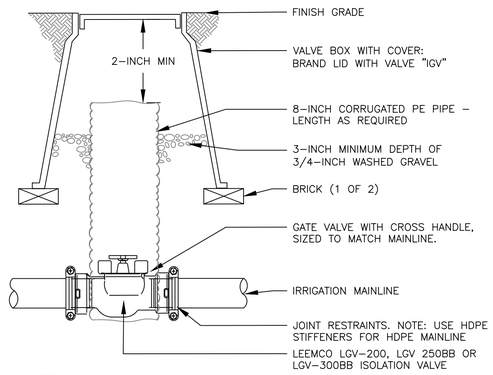
NOTES:
1. INSTALL GROUNDING ROD OR PLATE BASED ON SITE CONDITIONS, DO NOT INSTALL BOTH.
2. DO NOT INSTALL ANY OTHER WIRE OR CABLES INSIDE THE SPHERE OF INFLUENCE.
3. INSTALL GROUNDING PLATE AT A MINIMUM OF 30–INCHES BELOW GRADE OR BELOW FROST–LINE, WHICHEVER IS DEEPER.
4. TYPICAL INSTALLATION SHOWN FOR AN IRRIGATION CONTROLLER CAPACITY OF 64 STATIONS OR LESS, INSTALL AN ADDITIONAL GROUNDING ROD/PLATE PER 64 STATIONS.

1 TYPICAL IRRIGATION CONTROLLER GROUNDING ROD OR PLATE INSTALLATION



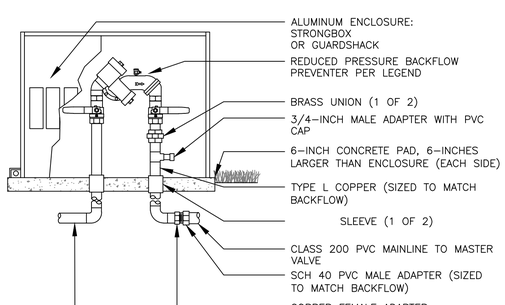
NOTES:
1. INSTALL ALL WIRING PER LOCAL ELECTRICAL CODES.
2. INSTALL GROUND ROD WITHIN IRRIGATED TURF AREA. IF IRRIGATED TURF AREA IS NOT IN CLOSE PROXIMITY TO CONTROLLER, INSTALL ONE (1) DRIP EMITTER FROM NEAREST DRIP VALVE IN VALVE BOX HOUSING GROUNDING ROD.

2 WALL MOUNT CONTROLLER ASSEMBLY



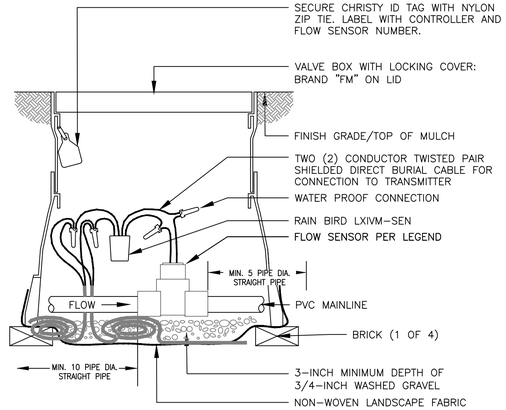
NOTES:
1. NOMINAL SIZE OF GATE VALVE TO MATCH NOMINAL MAINLINE SIZE.

3 ISOLATION GATE VALVE ASSEMBLY 2, 2.5 & 3-INCH MAINLINE

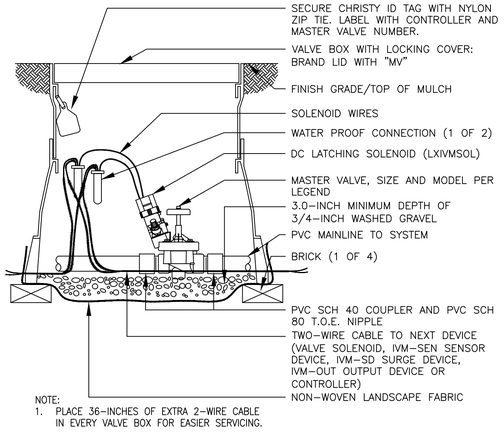


NOTES:
1. INSTALL BACKFLOW DEVICE IN ACCORDANCE WITH ALL STATE AND LOCAL CODE REQUIREMENTS.
2. SLOPE TOP SURFACE OF PAD AT 0.5 % WITH BROOM FINISH.
3. MAKE PIPE SLEEVES WITH 1–1/2 INCH LARGER DIAMETER PIPE THAN PENETRATING PIPE SIZE.
4. ALL HINGED CONNECTION LOCATIONS AND HARDWARE TO BE TAMPER PROOF.
5. ALL WELD JOINTS SHALL BE CONTINUOUS AND GROUND SMOOTH.

4 BACKFLOW PREVENTION UNIT ASSEMBLY

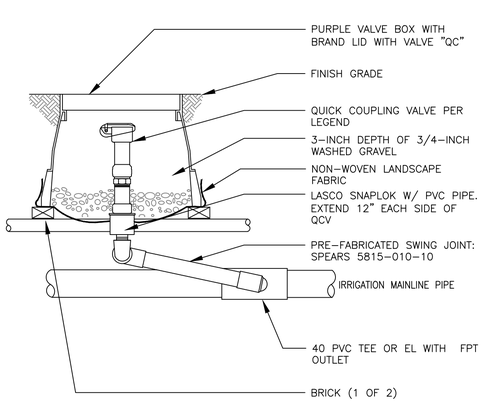


5 FLOW SENSOR W/ LXIVM-SEN ASSEMBLY

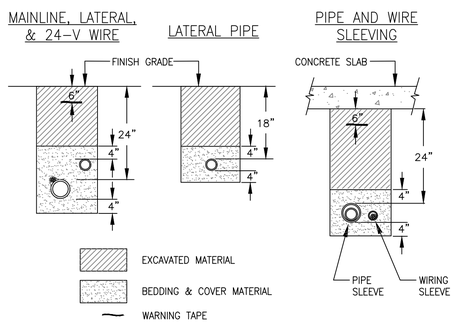


NOTE:
1. PLACE 36–INCHES OF EXTRA 2–WIRE CABLE IN EVERY VALVE BOX FOR EASIER SERVICING.

6 LXIVM MASTER VALVE ASSEMBLY

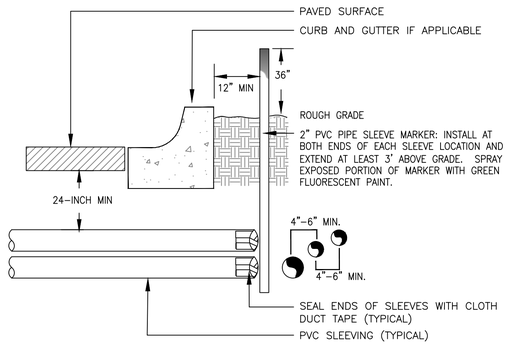


7 QUICK COUPLING VALVE ASSEMBLY



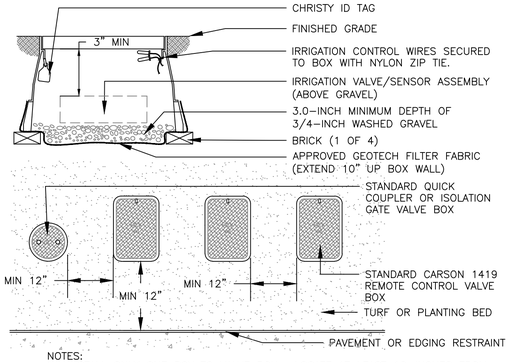
NOTES:
1. SLEEVE ALL PIPE AND WIRE SEPARATELY.
2. ALL PIPE TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS."SNAKE" UNSLEEVED PLASTIC PIPE IN TRENCH. PROVIDE A MINIMUM OF 2" CLEARANCE TO SIDE OF TRENCH AND BETWEEN PIPES.
3. ALL 120–V WIRING SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS. PROVIDE LOOSE 20" LOOP OF 2–WIRE CABLE AT ALL CHANGES OF DIRECTION OVER 30 DEGREES.

8 TYPICAL TRENCHING DETAIL



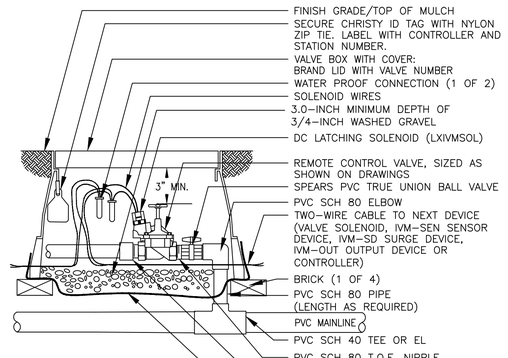
NOTE:
1) ALL SLEEVING TO BE CLASS 200 BE PVC, SIZED AS NOTED.
2) INSTALL SLEEVES IN SIDE–BY–SIDE CONFIGURATION WHERE MULTIPLE SLEEVES ARE TO BE INSTALLED. SPACE SLEEVES 4" TO 6" APART. DO NOT STACK SLEEVES VERTICALLY.

9 TYPICAL SLEEVING DETAIL



NOTES:
1. INSTALL ONLY ONE RCV TO VALVE BOX. LOCATE AT LEAST 12–INCHES FROM AND ALIGN WITH NEARBY WALLS OR EDGES OF PAVED AREAS. GROUP RCV ASSEMBLIES TOGETHER WHERE PRACTICAL.
4. GROUP RCV ASSEMBLIES TOGETHER WHERE PRACTICAL, BUT AVOID GROUPING MORE THAN THREE (3) STANDARD VALVE BOXES TOGETHER IN A SERIES.
5. ARRANGE GROUPED VALVE BOXES IN RECTANGULAR PATTERNS.

10 TYPICAL VALVE BOX INSTALLATION



NOTE:
1. PLACE 36–INCHES OF EXTRA 2–WIRE CABLE IN EVERY VALVE BOX FOR EASIER SERVICING.

11 REMOTE CONTROL SPRINKLER VALVE ASSEMBLY

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SHEET TITLE:
IRRIGATION DETAILS

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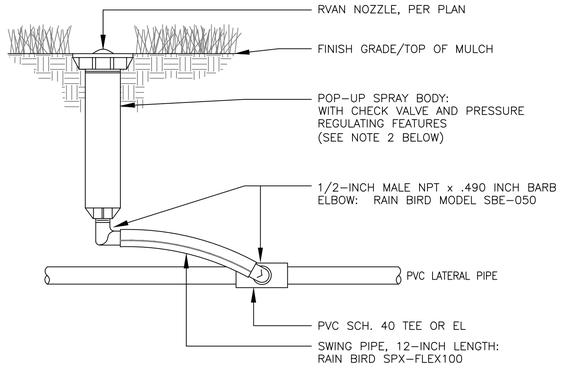
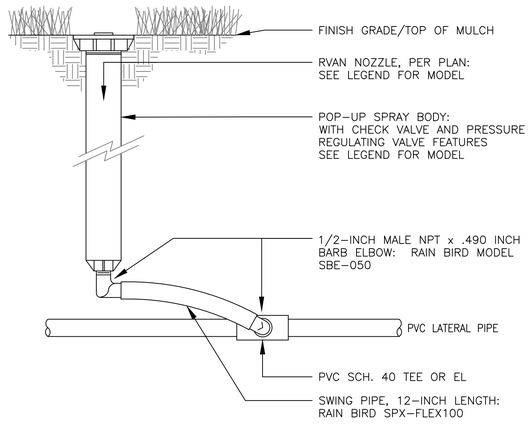
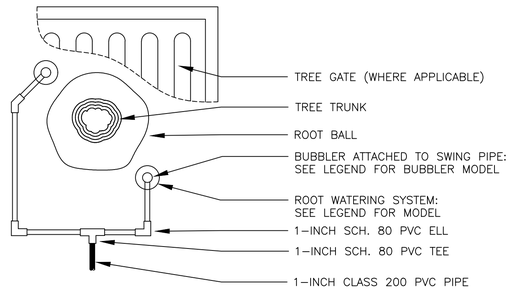
IR2-01



12 6-INCH POP UP
RVAN ASSEMBLY



13 12-INCH POP UP
RVAN ASSEMBLY



NOTE:
1. CONTRACTOR SHALL INSTALL ROOT WATERING SYSTEM PER MANUFACTURERS RECOMMENDATIONS
2. CONTRACTOR SHALL SPACE ROOT WATERING SYSTEM EVENLY AROUND ROOT BALL

14 ROOT WATERING ASSEMBLY
FOR TREES IN GRATES

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IR2-02