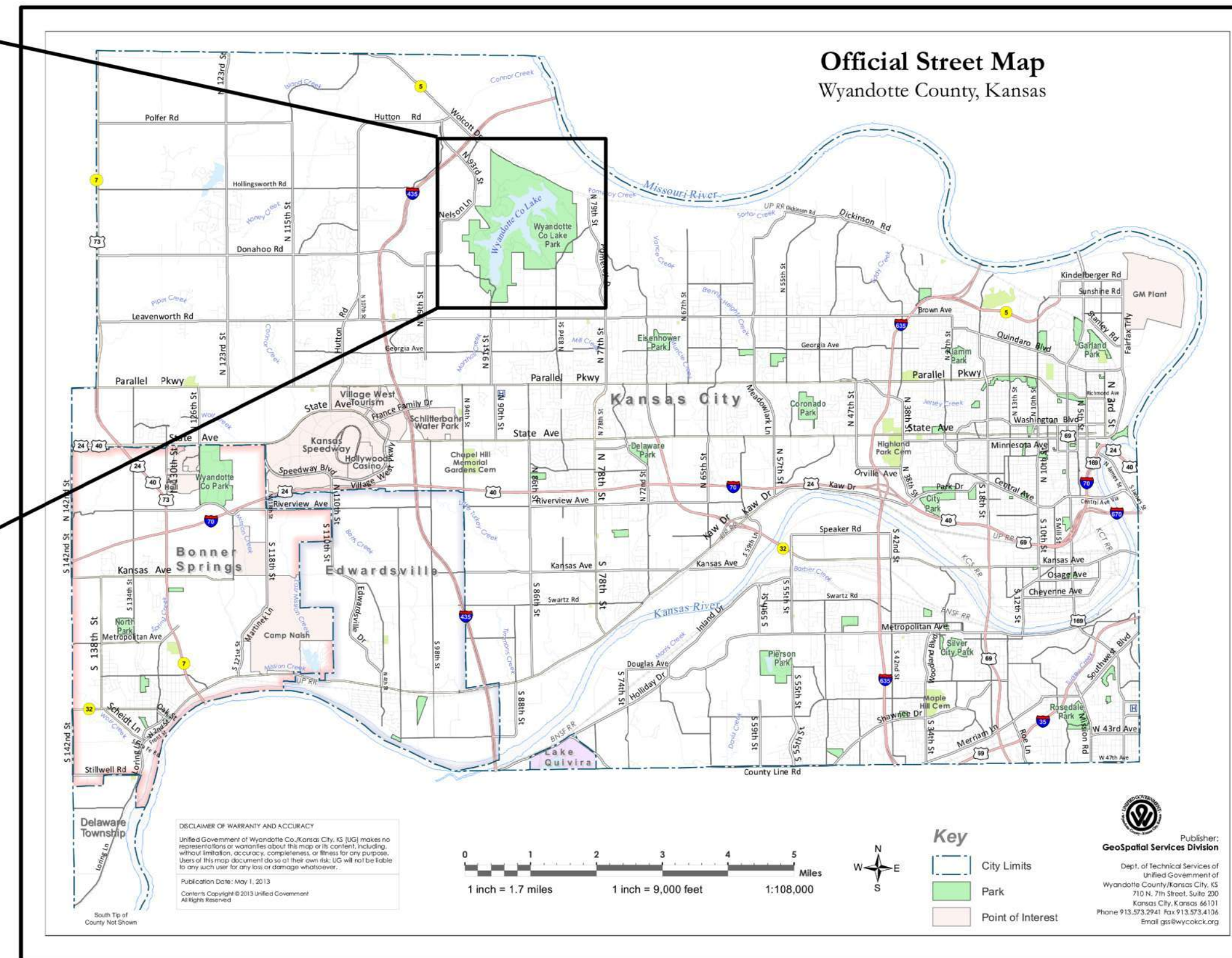
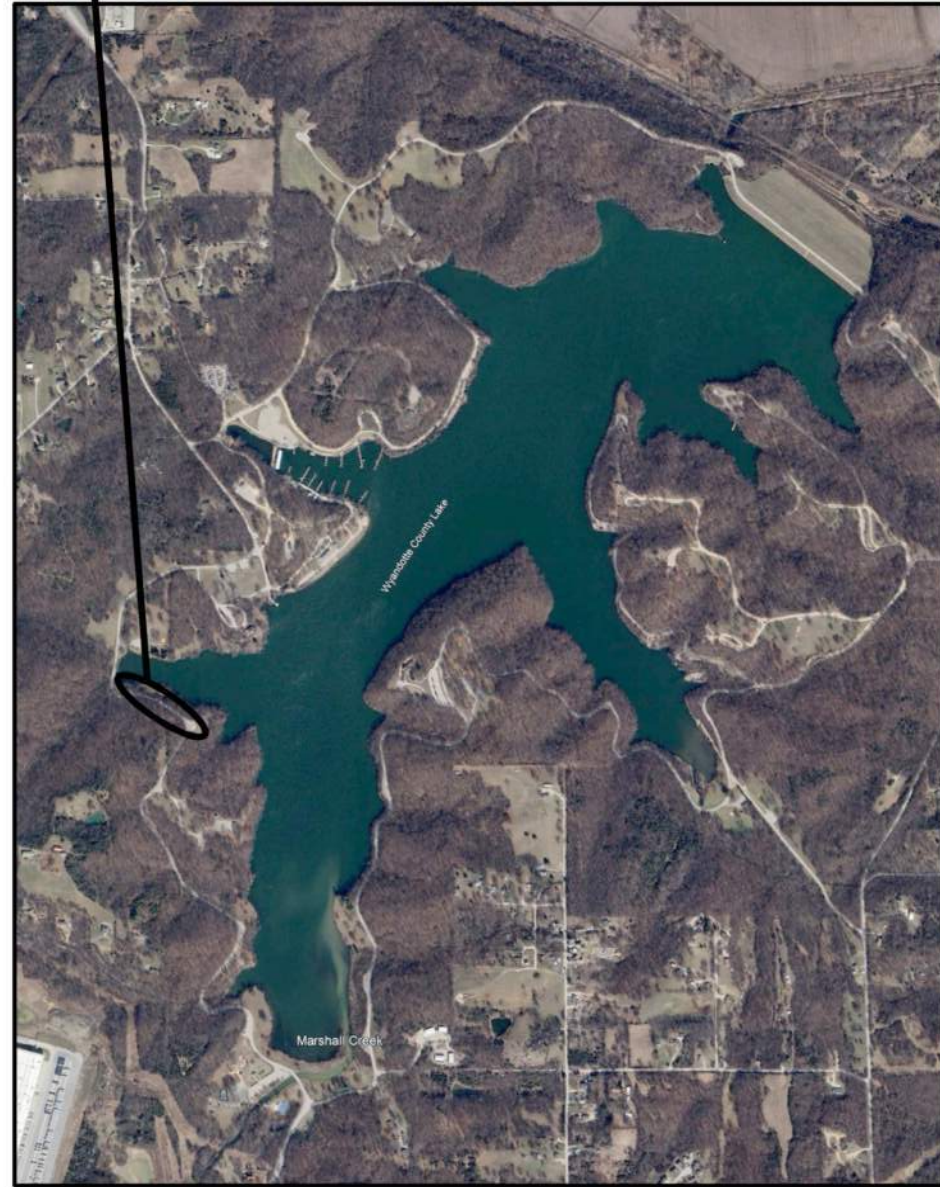


WYANDOTTE COUNTY LAKE RETAINING WALL REPLACEMENT

UNIFIED GOVERNMENT OF
WYANDOTTE COUNTY / KANSAS CITY, KANSAS

INDEX OF SHEETS	
NO.	SHEET TITLE
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5	WALL SECTIONS
6	CONSTRUCTION ACCESS RESTRICTION AND TRAFFIC CONTROL PLAN

REMOVE EXISTING STACKED STONE
RETAINING WALL AND REPLACE WITH
NEW RETAINING WALL



VICINITY MAP

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TITLE SHEET AND
INDEX OF SHEETS

WYANDOTTE COUNTY LAKE
RETAINING WALL
REPLACEMENT
KANSAS CITY, KANSAS

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SUBMITTED BY:
ALFRED BENESCH & COMPANY

Russell Schaefer
RUSSELL SCHAEFER, P.E.

9/17/2025
DATE



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WATER — BOARD OF PUBLIC UTILITIES
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ELECTRIC — BOARD OF PUBLIC UTILITIES
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MISSION, KANSAS 66202
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TELE. 913-383-6948

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11401 W. 39th STREET
OVERLAND PARK, KS. 66214
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8221 W. 119th STREET
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GENERAL NOTES:

1. THE CONTRACTOR SHALL FIELD CHECK AND VERIFY ALL CONDITIONS AND MEASUREMENTS AT THE SITE AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
2. CONTRACTOR SHALL SUBMIT DETAILED DRAWINGS CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED IN KANSAS FOR DESIGNING THE EARTH RETAINING WALL BASED ON INFORMATION AND RECOMMENDATIONS GIVEN IN THE GEOTECHNICAL REPORT PREPARED BY TERRACON DATED JANUARY 26, 2023, REPORT NUMBER 02235265. WHERE INFORMATION IS NOT AVAILABLE IN THE GEOTECHNICAL REPORT, CONTRACTOR SHALL ASSUME REASONABLE CONSERVATIVE PARAMETERS. THESE DRAWINGS SHALL ALSO INCLUDE METHODS TO BE USED TO ADEQUATELY SUPPORT EXISTING UTILITIES DURING CONSTRUCTION TO PROTECT THEIR STRUCTURAL INTEGRITY.
3. FOOTING SHALL BEAR ON THE FIRM UNDISTURBED SUBGRADE.
4. CONTRACTOR MAY ENCOUNTER EXISTING UTILITIES WITHIN THE VICINITY OF THE NEW CONSTRUCTION. UTILITY SERVICES ARE REQUIRED TO REMAIN IN SERVICE DURING CONSTRUCTION AND SHALL BE ADEQUATELY SUPPORTED IN THE EVENT THAT RELOCATION OF THE UTILITY IS REQUIRED. IT SHALL BE DONE WITHOUT INTERRUPTING THAT SPECIFIC SERVICE AND AT NO ADDITIONAL COST TO THE OWNER.
5. THE EXCAVATION AND CONSTRUCTION SHALL COMPLY FULLY WITH THE APPLICABLE PROVISIONS OF OSHA.
6. CONTRACTOR SHALL RESTORE THE LANDSCAPING DISTURBED DURING THE CONSTRUCTION AND CLEAN THE SITE AND DISPOSE OF ANY CONSTRUCTION DEBRIS.
7. AFTER THE EXISTING WALL AND RUBBLE HAS BEEN REMOVED, CONTRACTOR TO CONTACT THE UNIFIED GOVERNMENT OF WYANDOTTE COUNTY/KANSAS CITY, KANSAS AND BENESCH TO VIEW THE CONDITION OF THE SITE PRIOR TO START OF CONSTRUCTION OF THE NEW WALL.

SEGMENTED RETAINING WALL:

1. THE EXISTING WALL AND BACKFILL ARE TO BE REMOVED FROM THE PARK. COORDINATE WITH OWNER ON DISPOSAL OF THE EXISTING DEBRIS. BID IS TO ASSUME CONTRACTOR TO FULLY REMOVE AND DISPOSE OF DEBRIS OFFSITE.
2. CONTRACTOR TO BASE BID ON ONE OF TWO WALL TYPE OPTIONS SHOWN. BID IS TO STATE WHICH WALL IS PROPOSED TO BE CONSTRUCTED.
3. NATURAL STONE STACKED RETAINING WALL IS TO USE LOCALLY SOURCED STONE SIMILAR TO STONE USED IN THE EXISTING RETAINING WALL. SIZE IS TO VARY AND PLACED IN A RANDOM PATTERN SIMILAR TO THE EXISTING RETAINING WALL. EXISTING STONE IS NOT TO BE REUSED.
4. MORTAR TO BE USED WITH NATURAL STONE RETAINING WALL SHALL BE ASTM C270 TYPE M WITH A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 2500PSI.
4. PRECAST STACKED WALL TO BE DESIGNED BY THE PRECAST SUPPLIER BY A LICENSED ENGINEER IN THE STATE OF KANSAS. DESIGN IS TO INCLUDE THE BASE OF WALL REQUIREMENTS, PRECAST BLOCK, BACKFILL, GEOTEXTILE FABRIC AND BEHIND WALL DRAINAGE. PRECAST BLOCK WALL BASIS OF DESIGN IS MAGNUM STONE 2'-0" x 4'-0" WITH ROCK TYPE FACE.
5. COORDINATE TRANSPORTING STONE OR PRECAST MATERIALS WITH OWNER (PARKS AND RECREATION DEPARTMENT). WEIGHT LIMITS MAY BE REQUIRED BASED ON THE ROADS AND BRIDGES WITHIN THE PARK.

SITE WORK:

1. THE SITE AROUND THE EXISTING RETAINING WALL IS TO BE MAINTAINED TO THE GREATEST EXTENT POSSIBLE DURING DEMOLITION AND CONSTRUCTION OF THE NEW RETAINING WALL.
2. EROSION CONTROL MEASURES ARE TO BE PUT INTO PLACE PRIOR TO START OF CONSTRUCTION.
3. REMOVE VEGETATION BEHIND THE EXISTING RETAINING WALL PRIOR TO START OF DEMOLITION. DISPOSE OF TREES AND SOIL OFFSITE.
4. LIMIT THE AMOUNT OF EXISTING ROAD REMOVED IN FRONT OF THE EXISTING RETAINING WALL. ALL ASPHALT REMOVED IS TO BE REPLACED WITH SIMILAR THICKNESS AND BASE MATERIAL FOLLOWING WYANDOTTE COUNTY STANDARDS.
5. CONTRACTOR TO PLANT GRASS BEHIND NEW RETAINING WALL.

CONCRETE:

1. THE DETAILING, BENDING, AND PLACING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE LATEST ACI 318 CODE REQUIREMENTS, INCLUDING APPENDIX A. FIELD BENDING WILL NOT BE PERMITTED UNLESS APPROVED BY ENGINEER.
2. MINIMUM CONCRETE STRENGTH AT 28 DAYS SHALL BE 4,000 PSI (U.N.O.) FOR ALL STRUCTURAL CONCRETE.
3. ALL REINFORCING STEEL SHALL BE NEW BILLET STEEL DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60.
4. CONCRETE SHALL BE KEPT MOIST OR COVERED FOR AT LEAST 7 DAYS WITH A MOISTURE RETAINING COVER WHICH WILL NOT DISCOLOR EXPOSED SURFACES NOR IMPAIR OR PENETRATION OF SUBSEQUENTLY APPLIED SEALERS OR FINISHES.
5. STEEL REINFORCING SHALL NOT BE SPLICED AT POINTS OTHER THAN SHOWN ON THE PLANS, EXCEPT AS APPROVED BY THE ENGINEER. UNLESS NOTED OTHERWISE, ONLY HALF OF THE SPLICES MAY OCCUR WITHIN THE REQUIRED LAP LENGTH.
6. ALL COLD JOINTS IN CONCRETE STRUCTURES SHALL BE LOCATED AS NEEDED BY THE CONTRACTOR UNLESS SPECIFICALLY SHOWN ON THE PLANS.

NATURAL STONE FOUNDATION:

1. THE FOUNDATION FOR THE NATURAL STONE RETAINING WALL OPTION IS TO BEAR ON FIRM, UNDISTURBED SOIL OR ROCK.
2. SOIL BEARING CAPACITY IS TO BE VERIFIED BY A GEOTECHNICAL ENGINEER EMPLOYED BY THE GENERAL CONTRACTOR. DESIGN BEARING CAPACITY TO VERIFY IS 2500PSF. NOTIFY ENGINEER IF SOIL CAPACITY CAN NOT BE ACHIEVED.
3. THE BOTTOM OF THE FOOTING MAY BE LOWERED AS NEEDED TO REST ON UNDISTURBED SOIL OR ROCK. TOP OF FOOTING IS REMAIN AS SHOWN, ADJUST THICKNESS TO ACCOMMODATE FOOTING BEARING ELEVATION CHANGE.

TRAFFIC CONTROL

1. THE CONTRACTOR IS TO DEVELOP A TRAFFIC CONTROL PLAN BASED ON ANTICIPATED LANE CLOSURES. IT IS ASSUMED ONE LANE (SOUTH BOUND) WILL BE CLOSED DURING CONSTRUCTION THUS TRAFFIC CONTROL MEASURES WILL NEED TO BE IN PLACE PRIOR TO START OF CONSTRUCTION UNTIL THE LANE CAN BE FULLY REOPENED. THIS PLAN IS TO BE PROVIDED TO THE UNIFIED GOVERNMENT OF WYANDOTTE COUNTY/KANSAS CITY, KANSAS PARKS AND RECREATION DEPARTMENT FOR REVIEW. ANY DEVIATIONS OF THIS PLAN ARE TO BE BROUGHT TO THE PARKS AND RECREATION DEPARTMENT'S ATTENTION PRIOR TO IMPLEMENTATION.
2. TRAFFIC CONTROL MEASURES SHOWN WITHIN THESE DOCUMENTS ARE TO BE CONSIDERED A MINIMUM. UNIFIED GOVERNMENT OF WYANDOTTE COUNTY/KANSAS CITY, KANSAS PARKS AND RECREATION DEPARTMENT MAY REQUIRE ADDITIONAL TRAFFIC CONTROL AT VARIOUS TIMES OF THE YEAR DURING THE ANTICIPATED CONSTRUCTION PERIOD.
3. FOLLOW UNIFIED GOVERNMENT OF WYANDOTTE COUNTY/KANSAS CITY, KANSAS PARKS AND RECREATION DEPARTMENT TRAFFIC SIGNAGE STANDARDS. EXAMPLE OF PROPOSED SIGNS ARE TO BE PROVIDED AS PART OF THE CONTRACTOR'S PROPOSED TRAFFIC CONTROL PLAN.
4. ONE LANE SHOULD REMAIN OPEN DURING THE CONSTRUCTION TIME FRAME HOWEVER, IF THE NORTH BOUND LANE IS TO BE CLOSED, ADDITIONAL CLOSURE BARRIERS ARE TO BE INSTALLED AND DETOUR SIGNAGE ADDED TO DIRECT TRAFFIC AWAY FROM THE CONSTRUCTION ZONE. FLAGGING MAY BE USED FOR TEMPORARY CLOSURE OF THE NORTH BOUND LANE.

MISCELLANEOUS

1. BEFORE CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL CURRENT CONDITIONS INCLUDING BUT NOT LIMITED TO CURRENT RETAINING WALL, ROAD, DRAINAGE, VEGETATION, AND CURB DIMENSIONS.
2. ALL DIMENSIONS OR ELEVATIONS SHALL BE DETERMINED OR VERIFIED IN THE FIELD PRIOR TO START OF DEMOLITION.

GOVERNING BUILDING CODE:

2018 INTERNATIONAL BUILDING CODE

LATERAL SOIL LOADS:

SOIL LATERAL PRESSURE COEFF., $K_a = .3$ (GRAVEL BACKFILL)
BACKFILL DENSITY = 110 PCF (GRAVEL BACKFILL)

REINFORCING TENSION SPLICE TABLE		
BAR SIZE	TENSION LAP LENGTH	TOP BARS
#3	16"	24"
#4	25"	32"
#5	31"	40"
#6	37"	48"
#7	54"	70"
#8	62"	80"
#9	70"	90"
#10	78"	102"
#11	87"	113"

NOTES:

1. ABOVE TABLE IS FOR NORMAL WEIGHT CONCRETE ($f'c=4,000$ PSI) AND REINFORCING STEEL ($f_y=60,000$ PSI).
2. ALL SPLICES SHALL BE CONSIDERED TENSION SPLICES USING LAP LENGTHS IN TABLE ABOVE UNLESS SPECIFICALLY SHOWN OTHERWISE ON THE DRAWINGS.
3. LENGTHS ARE BASED ON LAP CLASS B SPLICES WITH CENTER TO CENTER SPACING OF BARS GREATER THAN 6 DIAMETERS.
4. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST UNDER THEM.
5. USE TENSION LAP LENGTHS FOR HORIZ. & VERT. WALL BARS.

STRUCTURAL ABBREVIATIONS			
B.O.	BOTTOM OF	H.P.	HIGH POINT
BLDG.	BUILDING	HK.	HOOK
BM.	BEAM	HT.	HEIGHT
C.J.	CONTROL JOINT	I.D.	INSIDE DIAMETER
C.L.	CENTERLINE	I.E.	INVERT ELEVATION
CLR.	CLEAR	I.F.	INSIDE FACE
COL.	COLUMN	IGV.	INLET GATE VALVE
CONC.	CONCRETE	IN.	INCHES
CONSTR.	CONSTRUCTION	INT.	INTERIOR
CONT.	CONTINUOUS	JT.	JOINT
COR.	CORNER	KIP	THOUSAND POUNDS
CY.	CUBIC YARD	L.P.	LOW POINT
DET.	DETAIL	LGTH.	LENGTH
DIA.	DIAMETER	MAX.	MAXIMUM
DIAG.	DIAGONAL	MIN.	MINIMUM
DISC.	DISCONTINUOUS	N.T.S.	NOT TO SCALE
DIST.	DISTANCE	O.C.	ON CENTER
DWLS.	DOWELS	O.D.	OUTSIDE DIAMETER
EJ	EXPANSION JOINT	O.F.	OUTSIDE FACE
E.F.	EACH FACE	OPNG.	OPENING
E.S.	EACH SIDE	PSF	POUNDS PER SQ. FOOT
E.W.	EACH WAY	REINF.	REINFORCEMENT
EA.	EACH	RE:	REFER TO
EL., ELEV.	ELEVATION	SHTS.	SHEETS
EX., EXIST.	EXISTING	SIM.	SIMILAR
EXT.	EXTERIOR/ EXTENSION	SJ	SLAB CONTROL JOINT
FD	FLOOR DRAIN	SS	STAINLESS STEEL
FE	FIRE EXTINGUISHER	STIR.	STIRRUPS
FIN.	FINISH	T.O.S.	TOP OF STEEL
FL.	FLOOR	TYP.	TYPICAL
FND.	FOUNDATION	T&B	TOP AND BOTTOM
FT.	FEET	U.N.O.	UNLESS NOTED OTHERWISE
GALV.	GALVANIZED	U/S	UNDERSIDE
GR.	GRADE	V.	VERTICAL
HOR.	HORIZONTAL		

CONCRETE INSPECTION TABLE 1705.3		
TYPE	SPECIAL INSPECTION FREQUENCY	
	CONTINUOUS	PERIODIC
1. INSPECTION REINFORCEMENT AND VERIFY PLACEMENT		X
3. INSPECT ANCHORS IN CONCRETE		X
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED HARDENED CONCRETE MEMBERS:		X
5. VERIFY USE OF REQUIRED DESIGN MIX		X
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	
7. INSPECT CONCRETE FOR PROPER APPLICATION TECHNIQUES.	X	
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES		X
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS FOR THE CONCRETE MEMBER BEING FORMED		X

BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE

SUMMARY OF QUANTITIES		
BID ITEMS	UNITS	QUANTITY
MOBILIZATION	LS	1
DEMOLITION AND DISPOSAL - EXISTING WALL	LF	500
EXCAVATION	CY	550
VEGETATION REMOVAL	SF	5000
RETAINING WALL - EACH OPTION	SF	4500
BACKFILL	CY	600
ASPHALT ROAD REPLACEMENT	SF	3100
CURB AND GUTTER	LF	520
EROSION CONTROL	LS	1
TRAFFIC CONTROL	LS	1
REVEGETATION	SF	5500
NATURAL STONE WALL REINFORCED CONCRETE FOUNDATION	CY	20
WALL DRAINAGE PIPE	LF	520
EXISTING STONE REMOVAL - UNIT PRICE	CY	1

NOTE: NOT ALL ITEMS ARE SHOWN IN THE SUMMARY OF QUANTITIES. REFER TO PLANS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. BID IS TO INCLUDE ALL MATERIALS AND LABOR TO REMOVE AND CONSTRUCT THE NEW RETAINING WALL.

REVISIONS		DATE
NO.		

GENERAL NOTES AND QUANTITIES

WYANDOTTE COUNTY LAKE RETAINING WALL REPLACEMENT KANSAS CITY, KANSAS

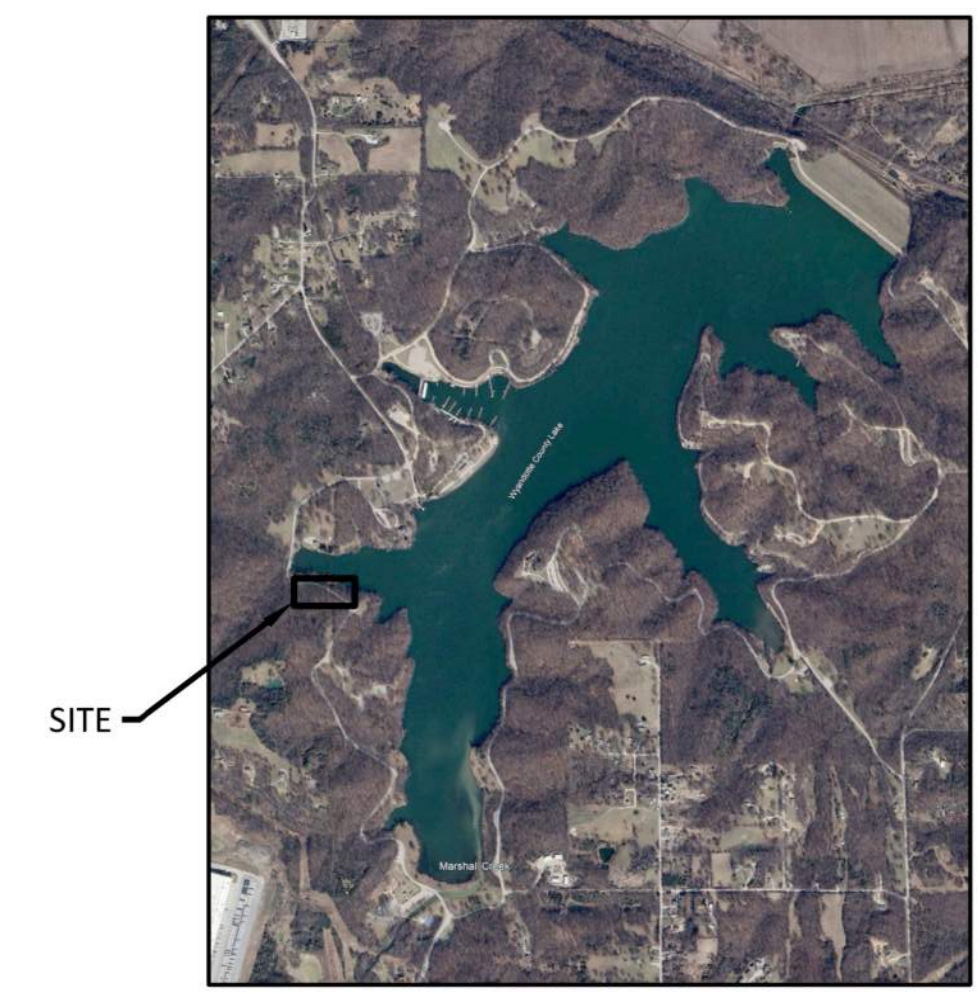
benesch
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Kansas City, Kansas 66109
Ph: 913.441.1100

UNIFIED GOVERNMENT OF WYANDOTTE COUNTY / KANSAS CITY, KANSAS

PROJECT: 1325-450003.00
DATE: 09/17/2025

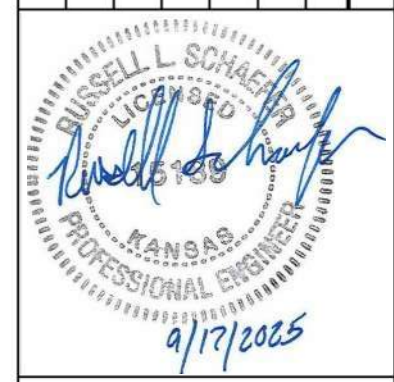
NOTES

- ① INSTALL EROSION CONTROL SILT FENCE ON EDGE OF ROAD AND WATTLES ON AREA DRAINS PRIOR TO START OF DEMOLITION AND TO REMAIN UNTIL WORK IS COMPLETE. COORDINATE WITH PARKS AND RECREATION PERSONNEL FOR FULL EXTENT OF EROSION CONTROL REQUIRED.
- ② TRAFFIC CONTROL BARRIER TO BLOCK ONE LANE ONLY EACH END OF EXTENT OF CONSTRUCTION. PLACE EARLY WARNING SIGNS PRIOR TO TRAFFIC BARRIER IN DIRECTION OF TRAFFIC NOTIFY PARKS AND RECREATION PERSONNEL IF BOTH LANES ARE TO BE BLOCKED, NOTIFY PARKS AND RECREATION PERSONNEL 48 HOURS PRIOR. UTILIZE FLAGGING AS MUCH AS POSSIBLE DURING BLOCKING BOTH LANES.
- ③ REMOVE AND REPLACE ROAD AND CURB AND GUTTER AS NEEDED TO INSTALL NEW RETAINING WALL. NEW ROAD AND CURB AND GUTTER TO MATCH MATERIAL, THICKNESS AND PROFILE AS EXISTING.
- ④ EXTENT OF WALL BACKFILL REMOVAL AND REPLACEMENT. FINAL GRADE TO MATCH EXISTING. REFER TO SECTIONS ON SHEET 5 FOR BACKFILL MATERIAL.
- ⑤ REMOVE EXISTING VEGETATION BEHIND EXISTING WALL AS NEEDED. VEGETATION TO BE DISPOSED OF OFF SITE. NEW GRASS AFTER BACKFILL IS IN PLACE. COORDINATE WITH PARKS AND RECREATION PERSONNEL FOR GRASS TYPE TO USE.
- ⑥ EXISTING STONE STORM INLET TO REMAIN. IF DAMAGED OR REMOVED DURING CONSTRUCTION, CONTRACTOR IS TO REPLACE IN KIND.
- ⑦ FINAL GRADE BEHIND WALL IS TO MATCH EXISTING GRADE.
- ⑧ EROSION CONTROL MAY BE NEEDED ALONG EDGE OF EXISTING GROUND AFTER EXCAVATION. INSTALL AS NEEDED AFTER INITIAL SIGNS OF EROSION OR AS DIRECTED.
- ⑨ CLEAN TOPSOIL AND DIRT REMOVED DURING DEMOLITION OF THE EXISTING RETAINING WALL IS TO BE RETURNED TO THE PARKS AND RECREATION DEPARTMENT AND TRANSPORTED TO A LOCATION WITHIN THE PARK AS DESIGNATED BY THE PARKS AND RECREATION DEPARTMENT. CLEAN DIRT IS TO CONTAIN LITTLE TO NO GRAVEL OR STONE.
- ⑩ AFTER REMOVAL OF EXISTING RETAINING WALL AND BACKFILL, NOTIFY WYANDOTTE COUNTY/KANSAS CITY, KANSAS PARKS AND RECREATION DEPARTMENT AND BENESCH TO REVIEW THE REMAINING AREA BEHIND THE WALL PRIOR TO THE START OF NEW CONSTRUCTION.



WYANDOTTE COUNTY LAKE VICINITY MAP

NO.	REVISIONS	DATE



SITE PLAN

WYANDOTTE COUNTY LAKE
RETAINING WALL
REPLACEMENT
KANSAS CITY, KANSAS

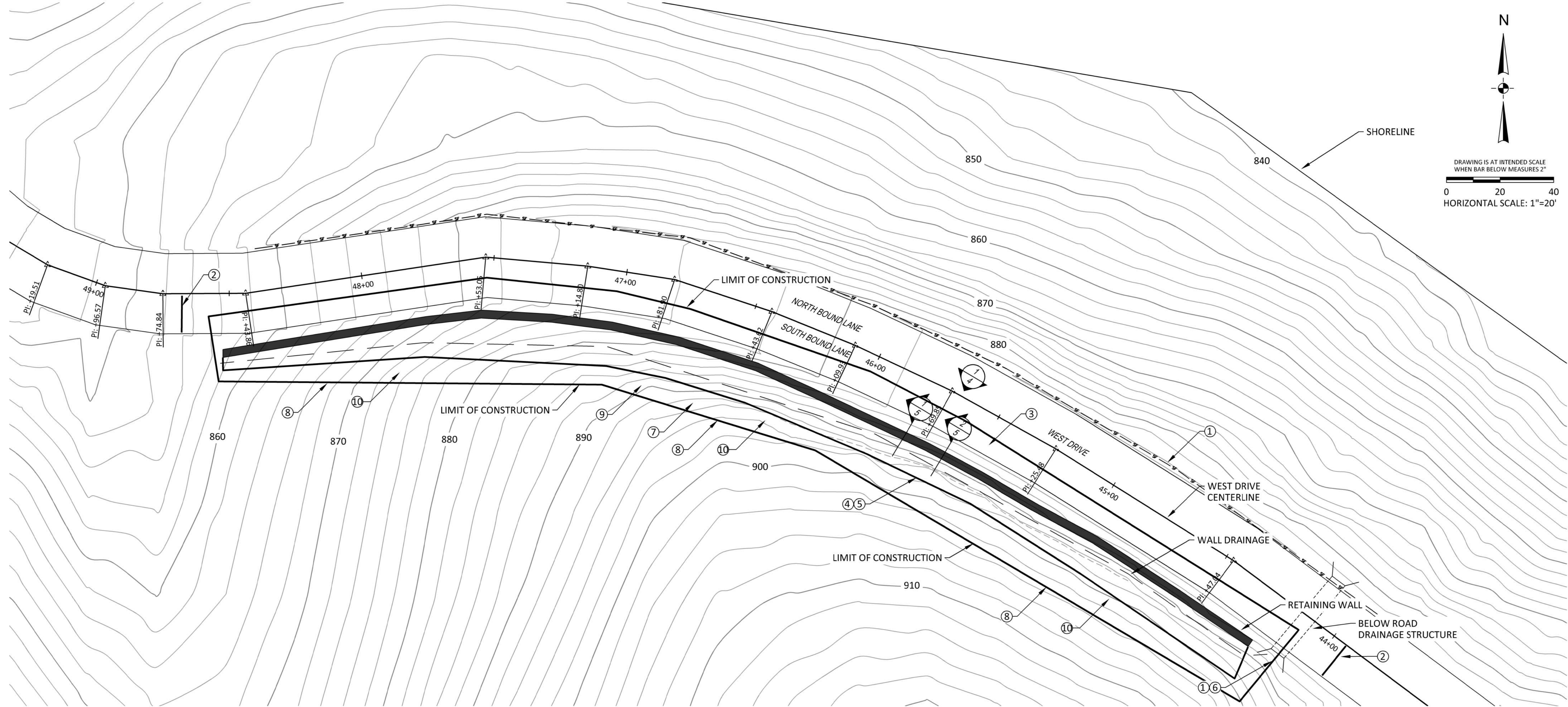
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UNIFIED GOVERNMENT OF
WYANDOTTE COUNTY /
KANSAS CITY, KANSAS

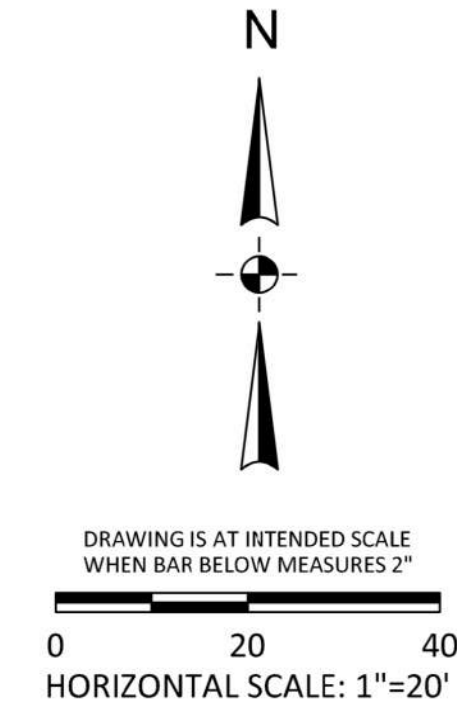
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DATE: 09/17/2025

SHEET NO. 3 of 6

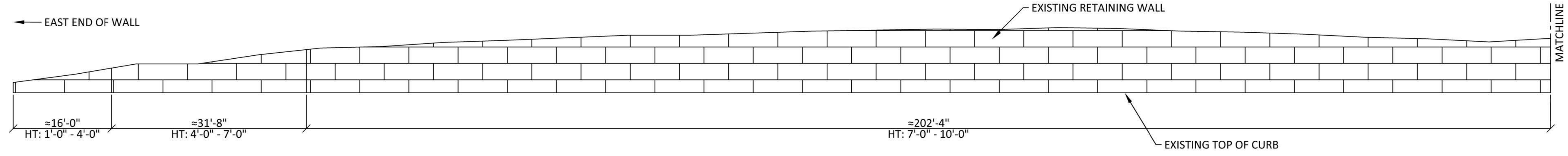
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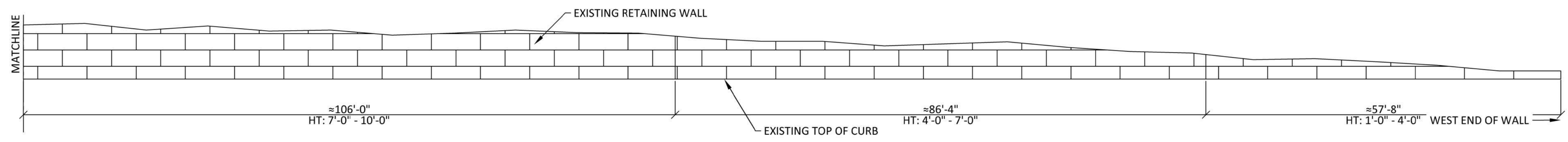
RETAINING WALL SITE PLAN
SCALE: 1"=20'



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RETAINING WALL SOUTH ELEVATION
 SCALE: 1"=10'



RETAINING WALL SOUTH ELEVATION
 SCALE: 1"=10'

NOTE:

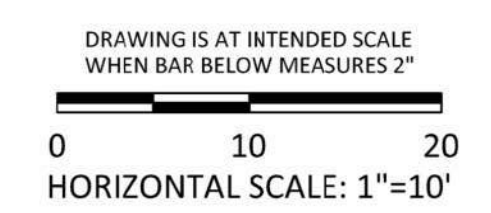
BASE OF WALL SHOWN LEVEL FOR CLARITY. ACTUAL ELEVATION FOLLOWS GRADE OF WEST DRIVE.

WALL LENGTHS ARE BASED ON FIELD MEASUREMENT OF THE EXISTING WALL. DUE TO THE CONDITION OF THE TOP OF THE EXISTING WALL, SOME WALL HEIGHTS HAVE BEEN ESTIMATED. EXISTING TOP OF WALL IS TYPICALLY 8 TO 12 INCHES ABOVE THE GRADE BEHIND THE WALL.

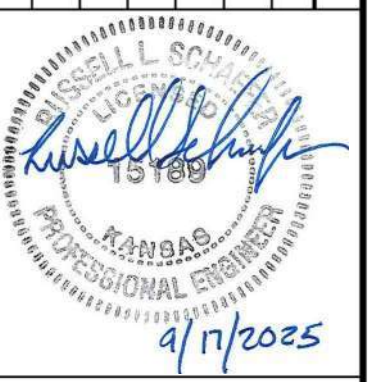
HT DESIGNATION SHOWN REFERS TO ESTIMATED WALL HEIGHT BASED ON EXISTING CONDITIONS. FOUNDATION WIDTH REQUIRED IN SECTION 1/S5 IS TO CORRESPOND WITH THE HT VALUE SHOWN ON THESE ELEVATIONS.

WALL PATTERN SHOWN DOES NOT REFLECT EXISTING STONE PATTERN. REFER TO IMAGE ON SHEET S5 FOR EXISTING STONE PATTERN. NATURAL STONE WALL TO BE SIMILAR TO EXISTING PATTERN.

ELEVATION VIEWS SHOWN ARE LOOKING AT NORTH SIDE OF WALL.



NO.	REVISIONS	DATE



WALL ELEVATIONS

**WYANDOTTE COUNTY LAKE
 RETAINING WALL
 REPLACEMENT
 KANSAS CITY, KANSAS**

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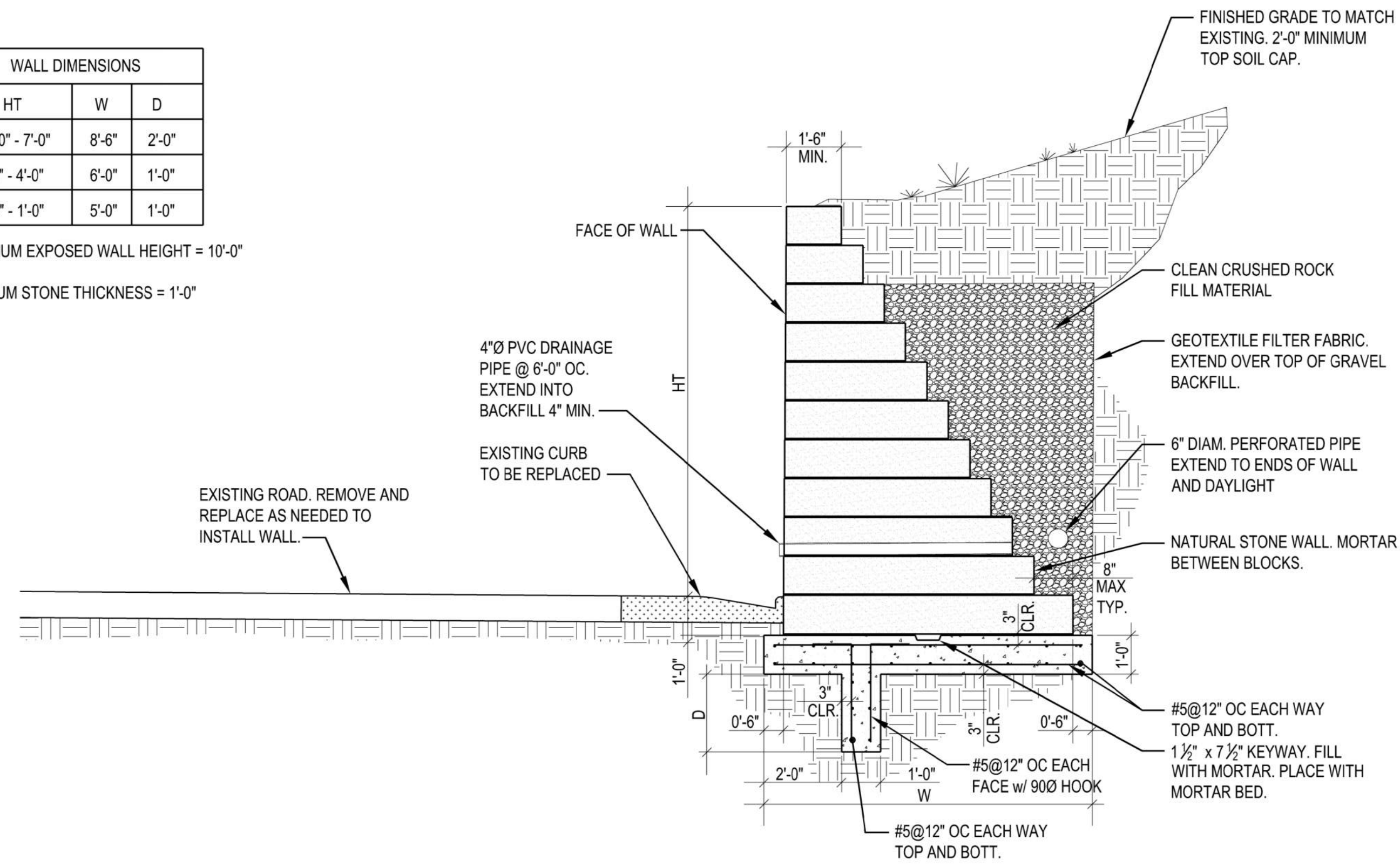
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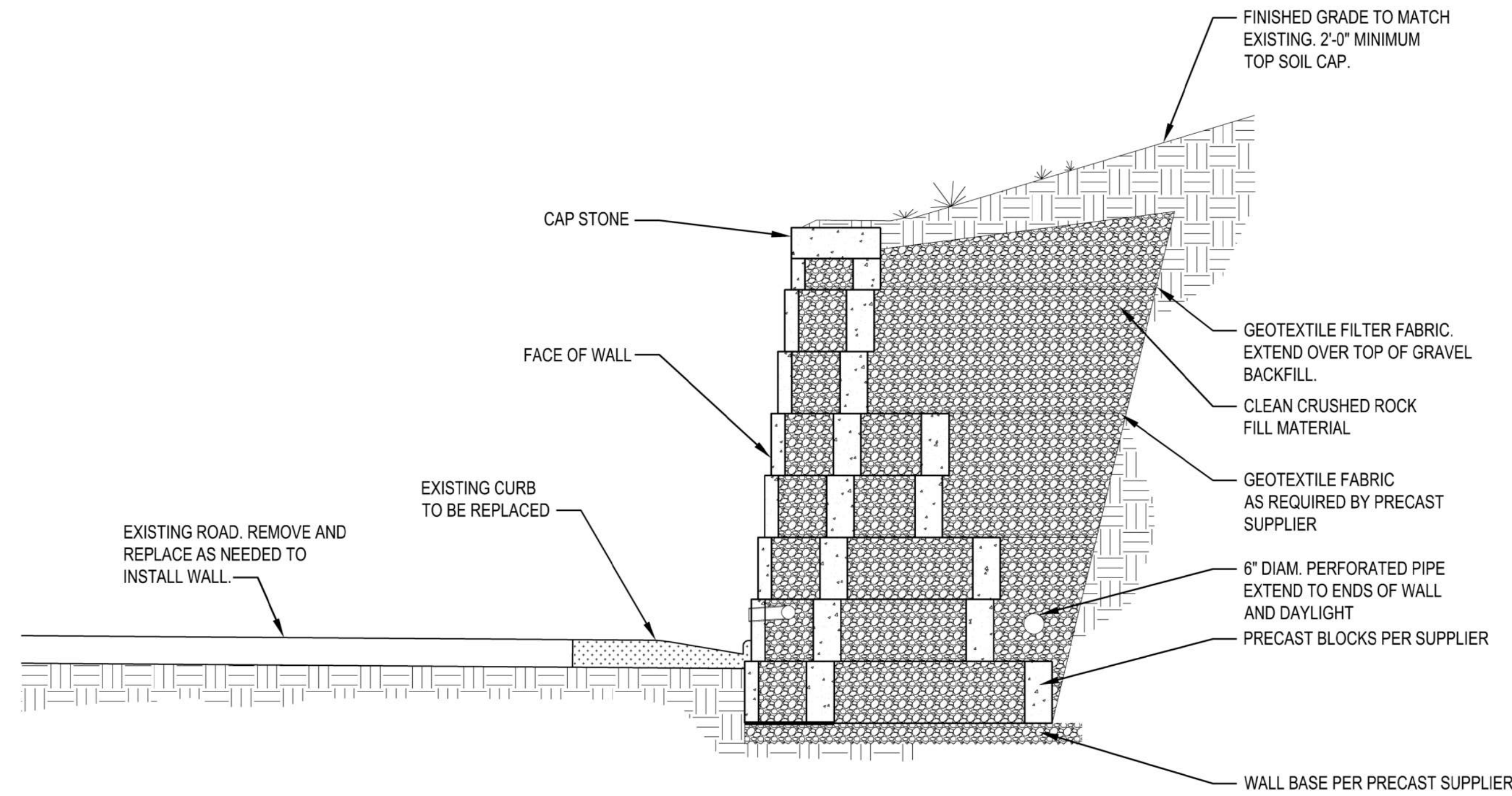
WALL DIMENSIONS		
HT	W	D
10'-0" - 7'-0"	8'-6"	2'-0"
7'-0" - 4'-0"	6'-0"	1'-0"
4'-0" - 1'-0"	5'-0"	1'-0"

MAXIMUM EXPOSED WALL HEIGHT = 10'-0"

MINIMUM STONE THICKNESS = 1'-0"



1 NATURAL STONE RETAINING WALL
NTS



2 PRECAST SEGMENTAL RETAINING WALL
NTS



3 EXISTING WALL STONE PATTERN

SECTION NOTES:

- CONTRACTOR IS ENCOURAGED TO SUBMIT BIDS FOR BOTH WALL TYPE OPTIONS SHOWN IN THE SECTIONS ON THIS SHEET, IF CAPABLE OF PERFORMING THE WORK. AT A MINIMUM, THE BID MUST BE SUBMITTED FOR ONE OF THE TWO OPTIONS. IF BIDDING ON BOTH OPTIONS, SEPARATE BID SHEETS MUST BE SUBMITTED FOR EACH WALL TYPE. EACH BID MUST CLEARLY REFLECT THE COST ASSOCIATED WITH THE SELECTED WALL TYPE.
- CONTRACTOR TO PROVIDE NAME AND MANUFACTURER OF PRECAST SEGMENTED WALL. INCLUDE IMAGE OF FACE OF BASIS OF BID AS PART OF BID.
- PRECAST SEGMENTED RETAINING WALL IS TO BE A DELEGATED DESIGN TO BE DONE BY THE CONTRACTOR. PLANS AND CALCULATIONS ARE TO BE PREPARED BY A REGISTERED ENGINEER IN THE STATE OF KANSAS.
- CONTRACTOR TO NOTIFY THE UNIFIED GOVERNMENT OF WYANDOTTE COUNTY/KANSAS CITY, KANSAS PARKS AND RECREATION DEPARTMENT AND BENESCH ONCE THE EXISTING WALL AND RUBBLE BEHIND WALL HAS BEEN REMOVED TO VIEW EXISTING CONDITION PRIOR TO NEW CONSTRUCTION COMMENCING.

Drawn By : RLS
Plotted : 9/23/2025 2:00 PM
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NO.	REVISIONS	DATE

UNISELL L. SCHAEFER
Professional Engineer
KANSAS
9/17/2025

WALL SECTIONS

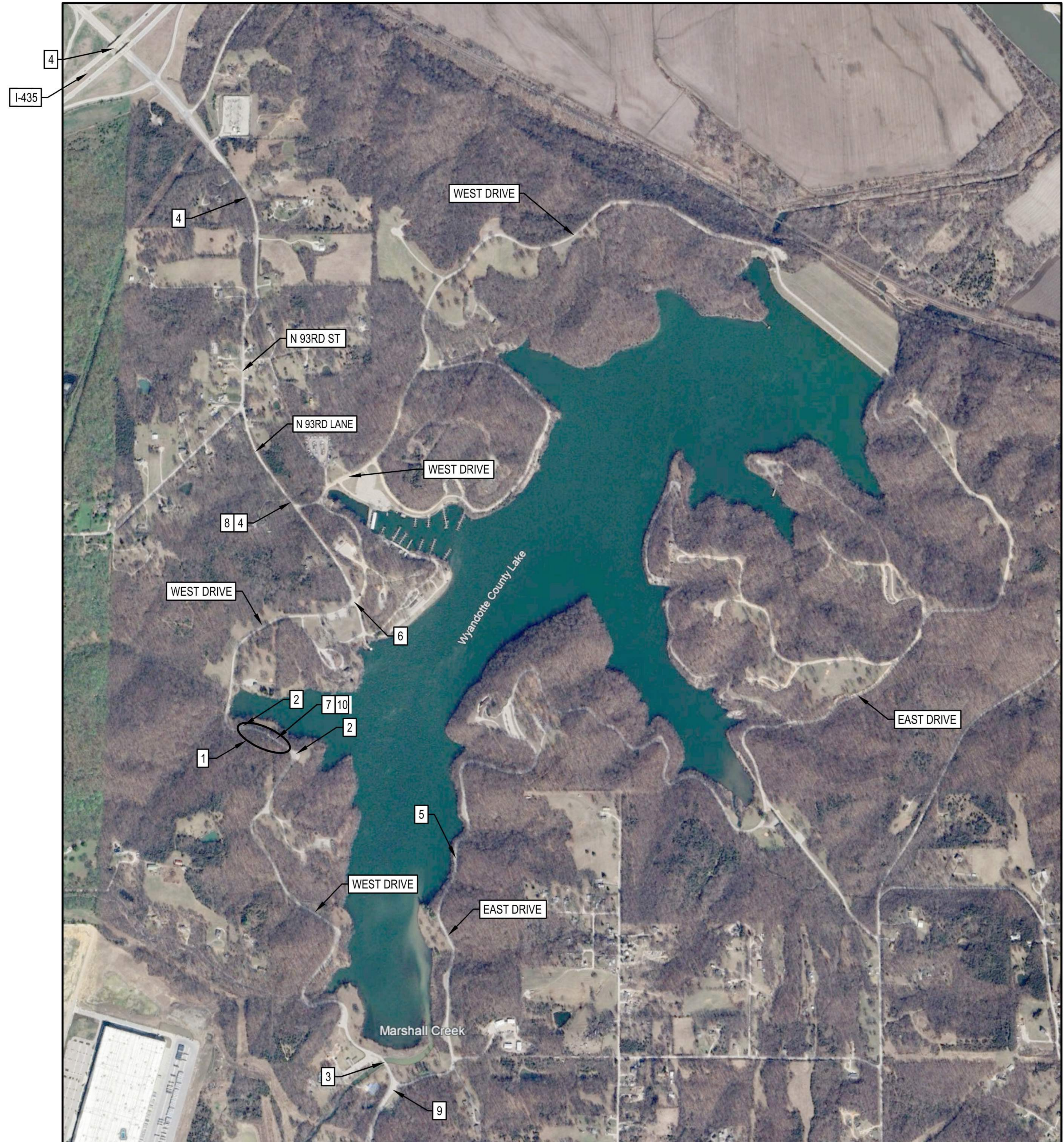
WYANDOTTE COUNTY LAKE
RETAINING WALL
REPLACEMENT
KANSAS CITY, KANSAS

benesch
Alfred Benesch & Company
11010 Haskell Avenue, Suite 200
Kansas City, Kansas 66109
Ph: 913.441.1100
UNIFIED GOVERNMENT OF
WYANDOTTE COUNTY /
KANSAS CITY, KANSAS

PROJECT
1325-450003.00

DATE
09/17/2025

SHEET NO.
5 of 6



CONSTRUCTION ROUTE RESTRICTION NOTES:

CONSTRUCTION TRAFFIC IS TO BE RESTRICTED WITHIN THE PARK TO WHAT IS SHOWN ON THIS PLAN. DEVIATIONS FROM THIS MAY BE ALLOWED BUT ARE TO BE APPROVED BY WYANDOTTE COUNTY PARKS AND RECREATION PERSONNEL PRIOR.

- 1 PROJECT LOCATION
- 2 GRAVEL PARKING LOT - TEMPORARY PARKING AND LIMITED MATERIAL STORAGE. MATERIAL STORAGE IS TO BE COORDINATED WITH WYANDOTTE COUNTY PARK AND RECREATION PERSONNEL. CONTRACTOR IS RESPONSIBLE FOR ALL SECURITY OF EQUIPMENT AND MATERIALS STORED.
- 3 DO NOT USE SOUTH ENTRANCE ALONG WEST DRIVE FOR VEHICLES LARGER THAN A PICK-UP TRUCK. CONTRACTOR TO PLACE SIGNS ON EITHER SIDE OF BRIDGE STATING CONSTRUCTION TRAFFIC IS TO USE THE I-435 EXIT #18 AND N 93RD STREET.
- 4 CONSTRUCTION TRAFFIC TO USE N 93RD LANE WITHIN PARK TO ACCESS PROJECT SITE.
- 5 EAST DRIVE SHOULD NOT BE USED FOR CONSTRUCTION TRAFFIC WITHOUT APPROVAL FROM WYANDOTTE COUNTY PARK AND RECREATION PERSONNEL.
- 6 PLACE SIGNAGE AT INTERSECTION DIRECTING CONSTRUCTION TRAFFIC ONTO WEST DRIVE FROM N 93RD LANE AND ONTO N 93RD LANE FROM WEST DRIVE.

CONSTRUCTION ROUTE RESTRICTIONS

SCALE: NTS

TRAFFIC CONTROL NOTES:

CONTRACTOR TO PROVIDE A TRAFFIC CONTROL PLAN WITH SIGNAGE TO COINCIDE WITH CONSTRUCTION SCHEDULE TO THE UNIFIED GOVERNMENT OF WYANDOTTE COUNTY/KANSAS CITY, KANSAS FOR REVIEW PRIOR TO START OF CONSTRUCTION.

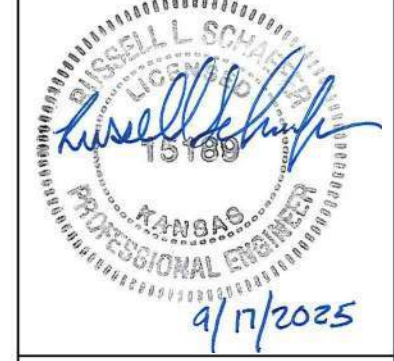
- 7 ONE LANE (SOUTH BOUND) CAN BE BLOCKED LONG TERM DURING CONSTRUCTION. TRAFFIC BARRIERS ARE TO BE PLACED EACH END OF LANE PORTION BEING BLOCKED. SEE SHEET 3, NOTE 2. ADDITIONAL TRAFFIC CONTROL MEASURES, SUCH AS TRAFFIC CONES, MAY ALSO BE REQUIRED.
- 8 INSTALL SIGNAGE PRIOR TO INTERSECTION STATING ONE LANE CLOSED AHEAD.
- 9 INSTALL DETOUR SIGNAGE DIRECTING TRAFFIC TO USE EAST DRIVE WHEN BOTH LANES ARE TO BE CLOSED. SIGNAGE IS TO BE IN PLACE PRIOR TO NORTH BOUND LANE CLOSURE.
- 10 CONTRACTOR TO USE FLAGGING WHEN CONSTRUCTION EQUIPMENT USAGE IN THE NORTH BOUND LANE IS REQUIRED ON A TEMPORARY BASIS.

TRAFFIC CONTROL PLAN

SCALE: NTS



NO.	REVISIONS	DATE



**CONSTRUCTION ACCESS
 RESTRICTION AND
 TRAFFIC CONTROL PLAN**

**WYANDOTTE COUNTY LAKE
 RETAINING WALL
 REPLACEMENT
 KANSAS CITY, KANSAS**

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