

# KALIDA CANOE LAUNCH

## PUTNAM COUNTY

## KALIDA, OHIO

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VICINITY MAP  
Lat.  $40^{\circ} 58' 41''$  N Long.  $84^{\circ} 11' 55''$  W

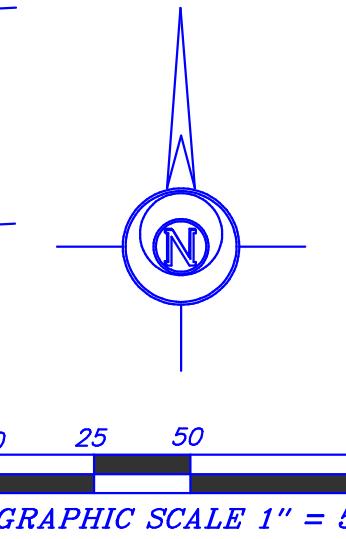
NOTE:  
THIS PROJECT SHALL BE IN ACCORDANCE  
WITH THE VILLAGE OF KALIDA CONSTRUCTION  
STANDARDS AS ADOPTED IN MARCH, 2006 &  
ALL SUBSEQUENTLY ADOPTED ADDENDUM,  
MODIFICATIONS AND/OR CLARIFICATIONS.

12-2-25 FOR BIDS



**TITLE SHEET**  
KALIDA CANOE LAUNCH  
WATER STREET  
KALIDA, OHIO 45853

**SITE PLAN**  
**KALIDA CANOE LAUNCH**  
**WATER STREET**  
**KALIDA, OH 45853**



**LEGEND**

- POWER POLE
- LIGHT POLE
- CB CATCH BASIN
- MH MANHOLE
- CO CLEANOUT
- FH FIRE HYDRANT
- WV WATER VALVE
- WM WATER METER
- OH OVERHEAD
- TP TELEPHONE PEDESTAL
- GA GAS METER
- CV GAS VALVE
- GLM GASLINE MARKER
- TOP OF BANK
- TOP OF SLOPE
- EDGE OF SLOPE
- TOP OF SLOPE
- EDGE OF WATER

SCALE 1" = 50'

JOB #22-456

DRAWN BY KMB

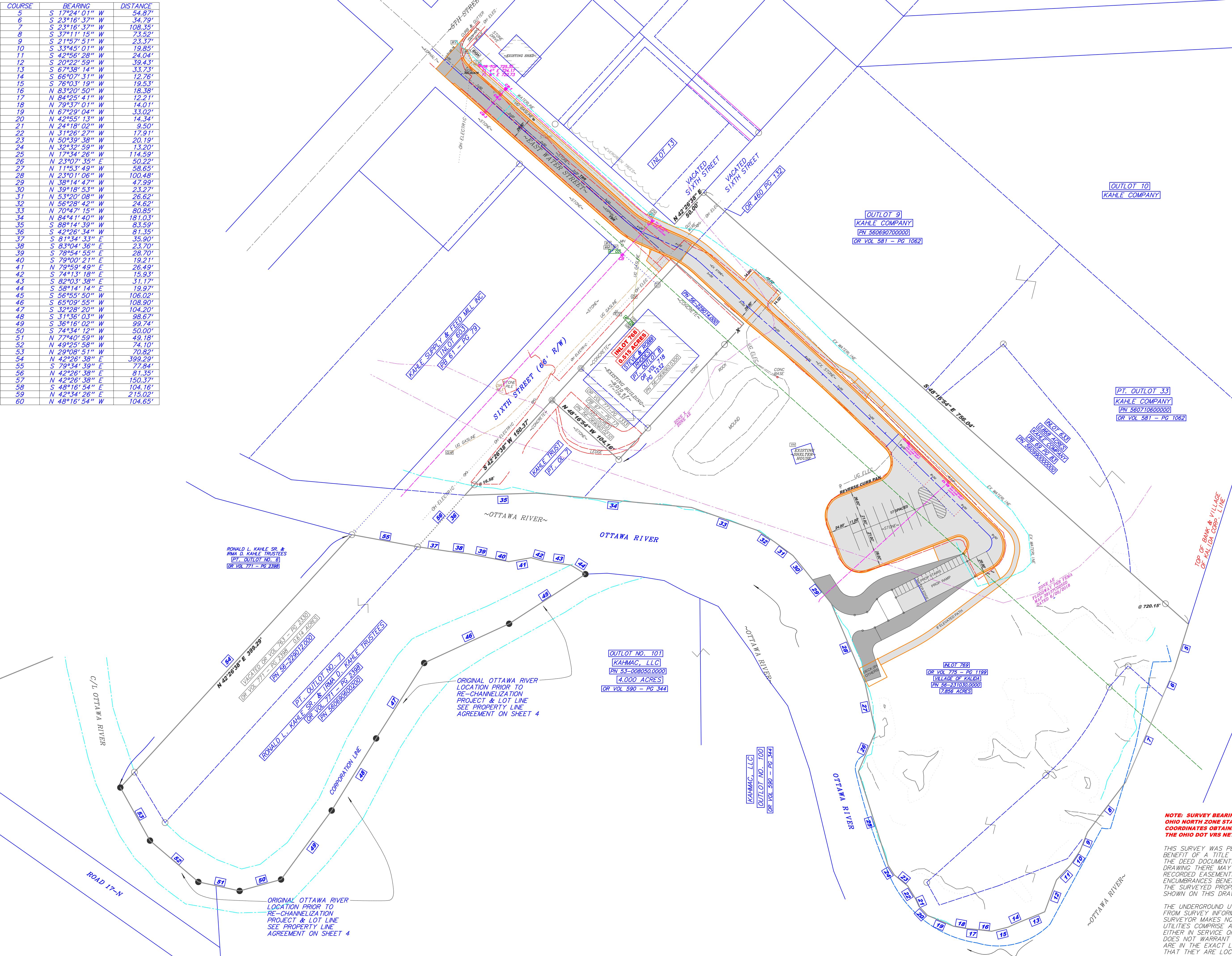
10/14/25

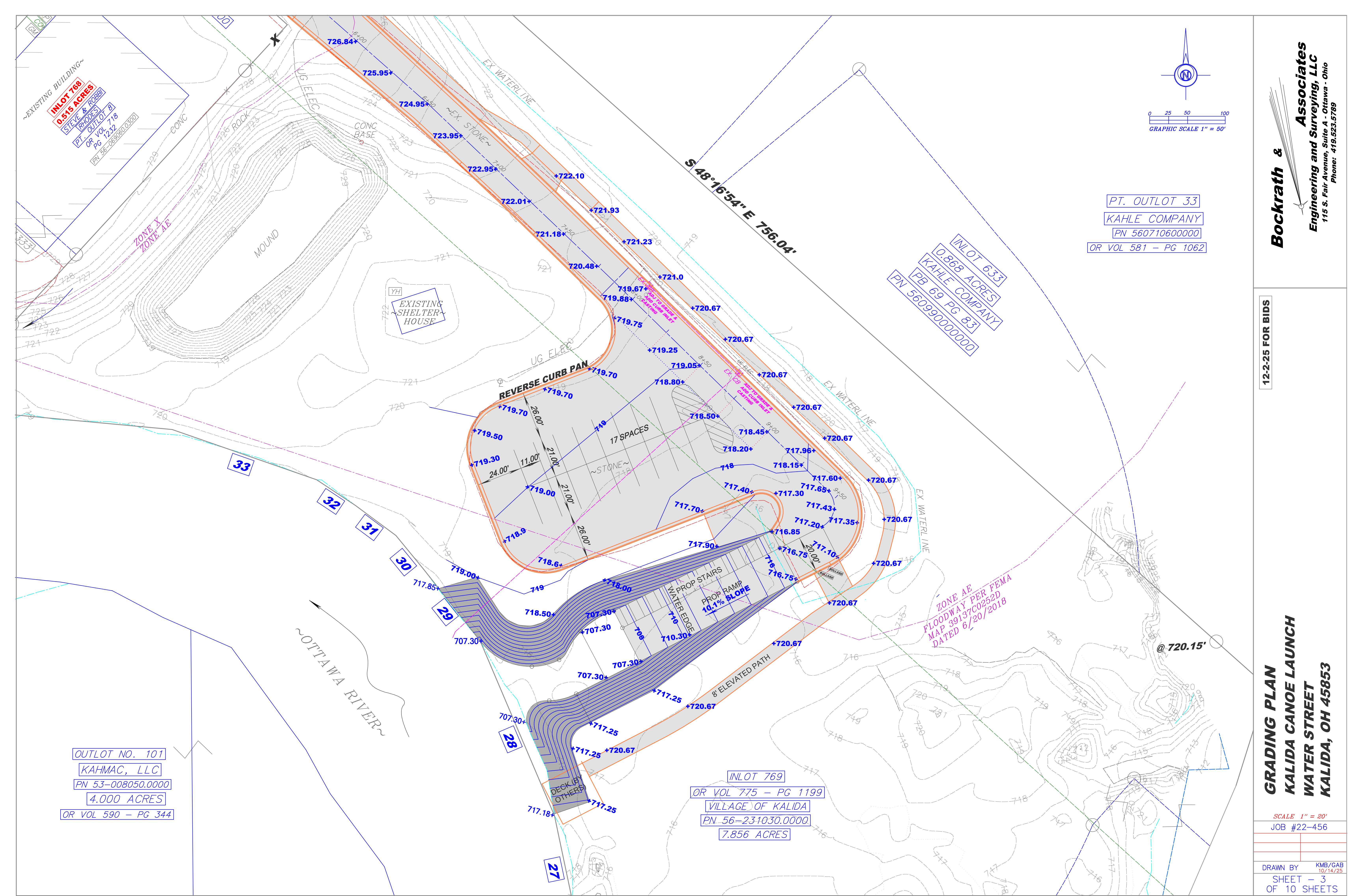
SHEET - 2 OF 10 SHEETS

NOTE: SURVEY BEARINGS BASED ON  
 OHIO NORTH ZONE STATE PLANE  
 COORDINATES OBTAINED FROM  
 THE OHIO DOT VRS NETWORK

THIS SURVEY WAS PERFORMED WITHOUT THE  
 BENEFIT OF A TITLE EXAMINATION, BEYOND  
 THE DEED DOCUMENTS CITED ON THE SURVEY  
 DRAWING THERE MAY BE RECORDED OR UN-  
 RECORDED EASEMENTS AND/OR  
 ENCUMBRANCES BENEFITING OR ENCUMBERING  
 THE SURVEYED PROPERTY WHICH ARE NOT  
 SHOWN ON THIS DRAWING.

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED  
 FROM SURVEY INFORMATION AND EXISTING DRAWINGS. THE  
 SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND  
 UTILITIES COMprise ALL SUCH UTILITIES IN THE AREA,  
 EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER  
 DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN  
 ARE IN THE EXACT LOCATION ALTHOUGH HE DOES CERTIFY  
 THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM  
 THE INFORMATION AVAILABLE. IT IS THE RESPONSIBILITY OF THE  
 "CONTRACTOR" TO VERIFY AND LOCATE ALL  
 UNDERGROUND UTILITIES PRIOR TO COMMENCING WORK.







**Associates**  
**Surveying, LLC**  
**144A - Ottawa - Ohio**  
**23.5789**

115 S. 1st Avenue, Suite A - Ottawa - ON  
**Phone:** 419.523.5789

**PLAN & PROFILE**  
**KALIDA CANOE LAUNCH**  
**WATER STREET**  
**KALIDA, OHIO 45853**

$$LE \quad 1'' = 20'$$


A Cartesian coordinate system is shown with a red origin (center) and red axes (horizontal and vertical) extending outwards. The axes are represented by thick red lines.

KMR

BY 1-27-25

E - 5

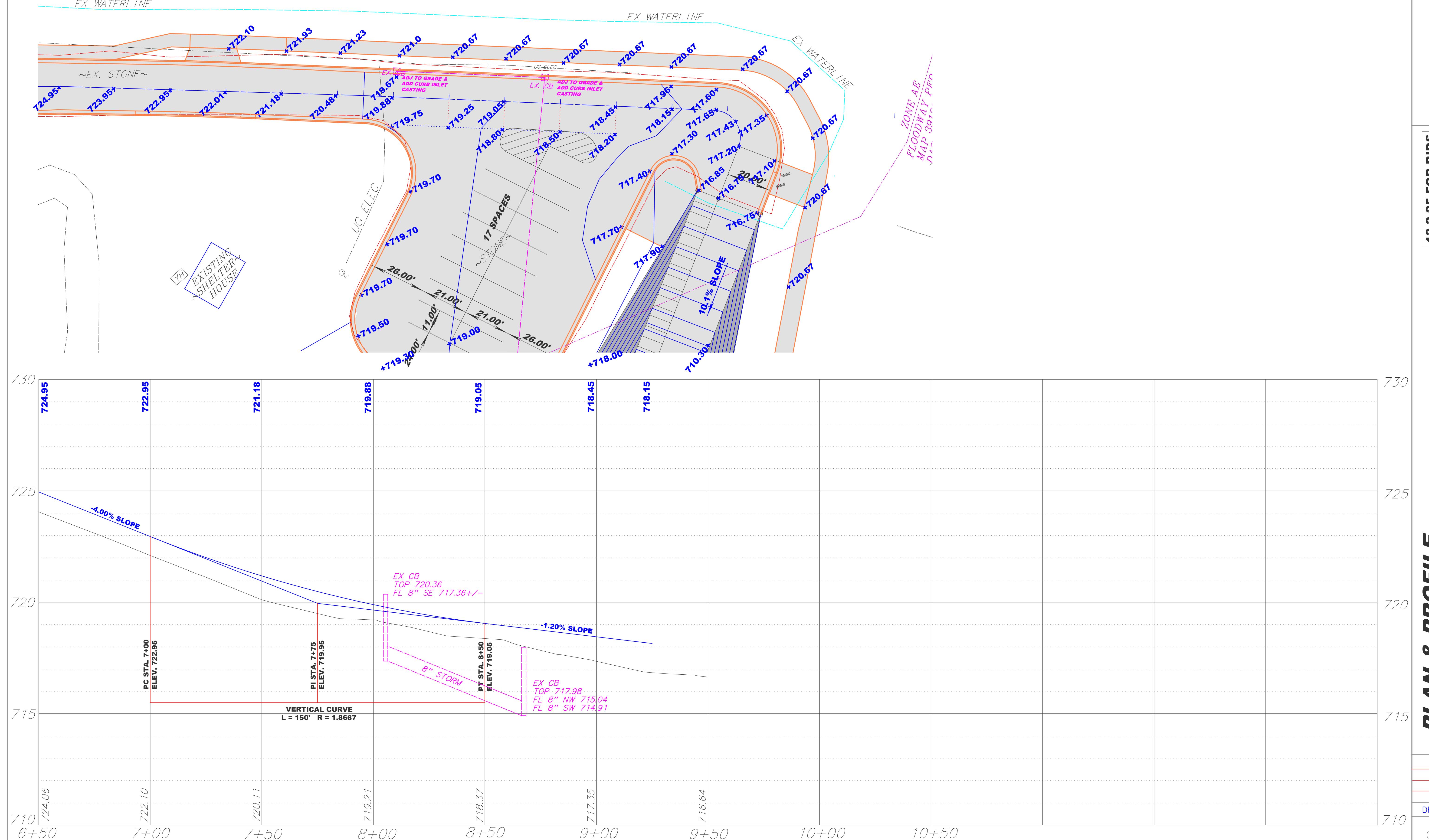
10 SHEETS

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A hand-drawn compass rose is centered in the image. It consists of a circle with a vertical line through the center labeled 'N' for North. Four lines extend from the center to the cardinal directions: North, South, East, and West. Below the compass rose is a graphic scale. It features a horizontal line with tick marks. The numbers '10', '20', and '40' are written above the first, second, and fourth tick marks respectively. The text 'GRAPHIC SCALE 1" = 20\' is written below the scale line.

KAHLE COMPANY  
PB 69 PG 83  
PN 560990000000

**S 48°16'54" E 756.04'**



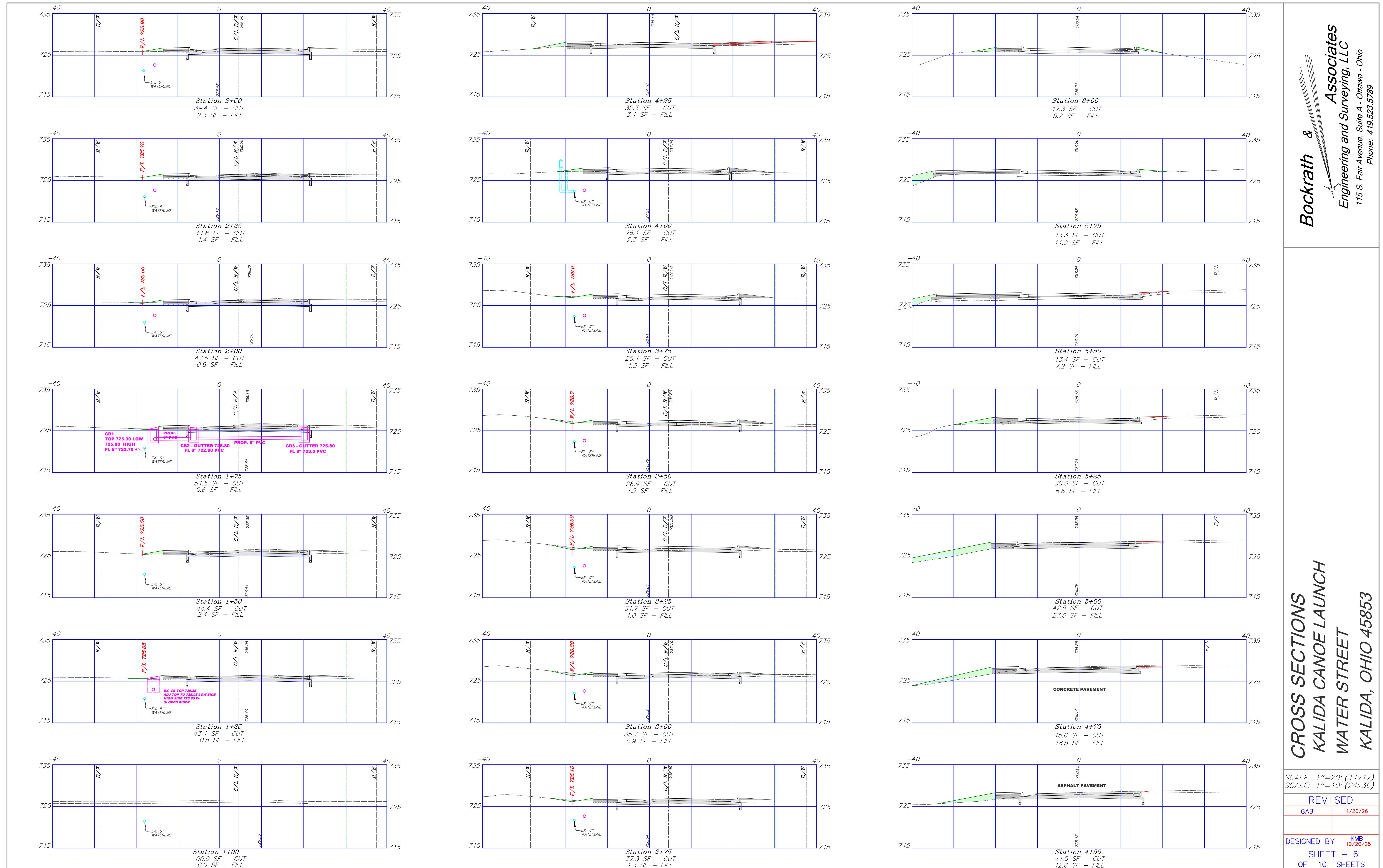
**CROSS SECTIONS**  
**KALIDA CANOE LAUNCH**  
**WATER STREET**  
**KALIDA, OHIO 45853**

SCALE: 1"=20' (11x17)  
 SCALE: 1"=10' (24x36)

REVISED

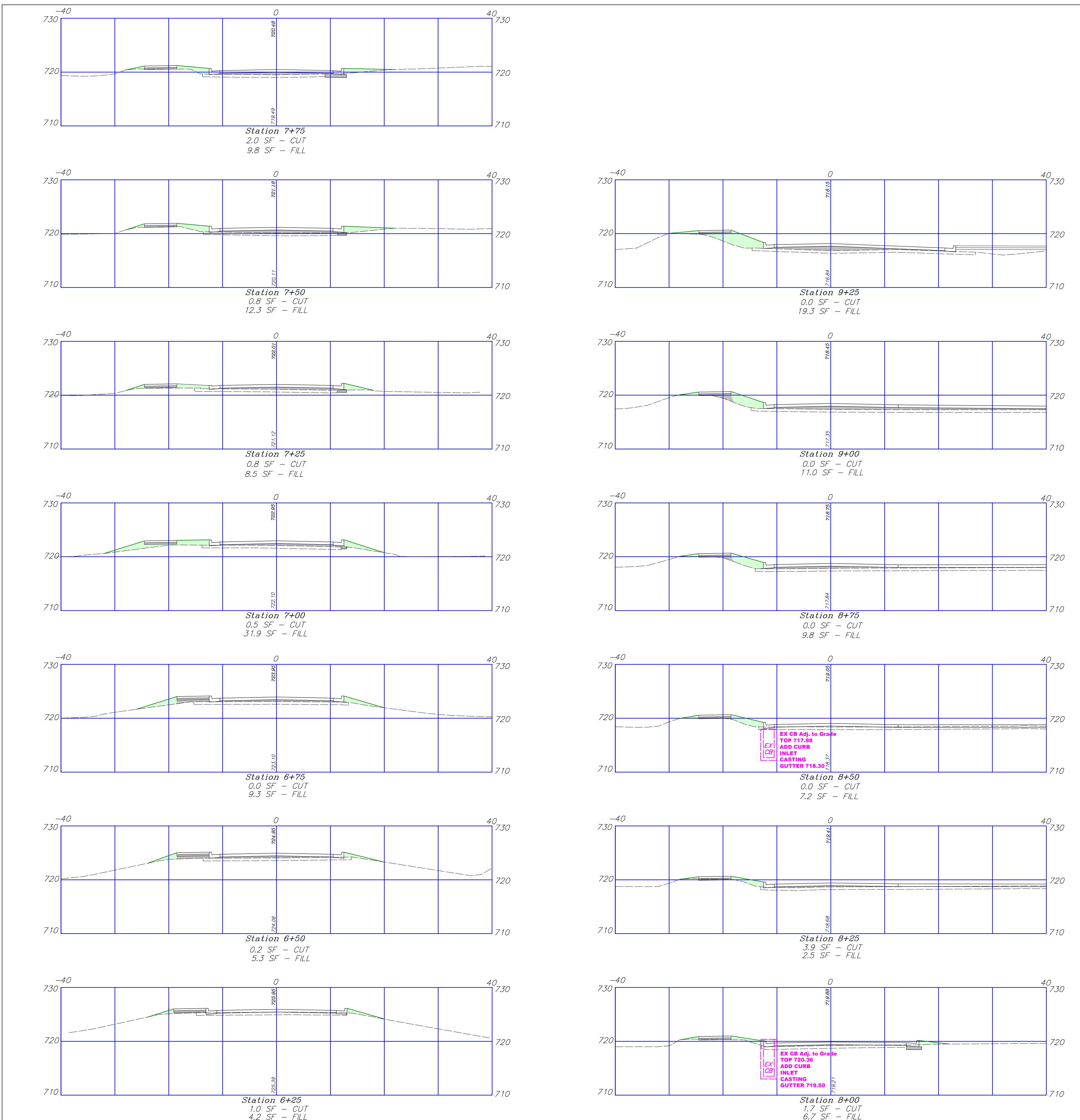
GAB 1/20/26

DESIGNED BY KMB  
 SHEET - 6  
 OF 10 SHEETS



**CROSS SECTIONS**  
**KALIDA CANOE LAUNCH**  
**WATER STREET**  
**KALIDA, OHIO 45853**

**Bockrath & Associates**  
**Engineering and Surveying, LLC**  
 115 S. Fair Avenue, Suite A - Ottawa - Ohio  
 Phone: 419.523.5789



SCALE: 1"=20' (11x17)  
 SCALE: 1"=10' (24x36)

REVISED

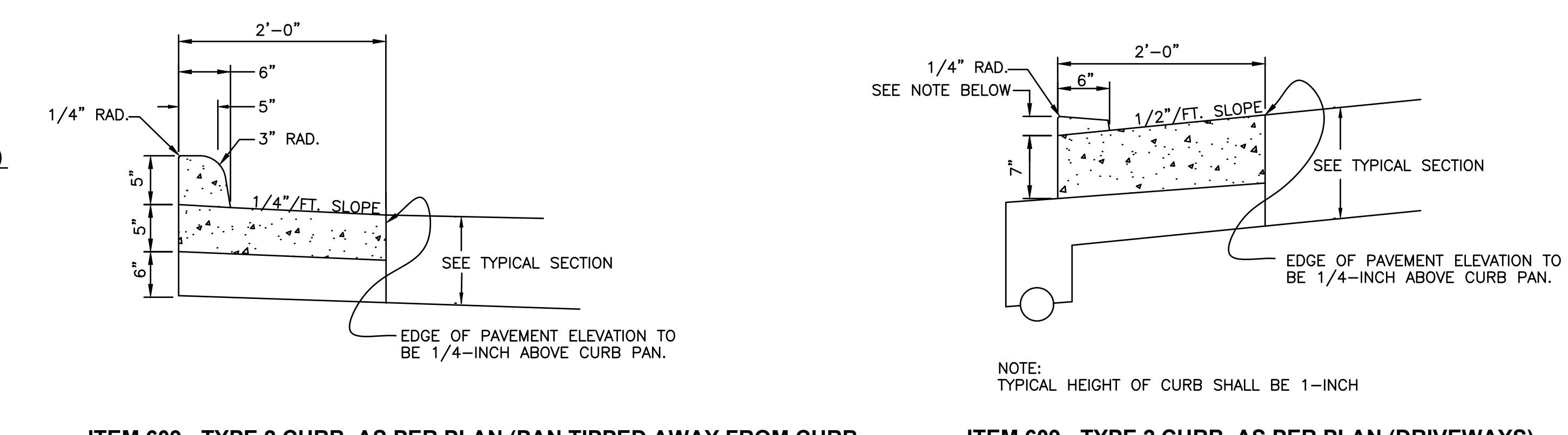
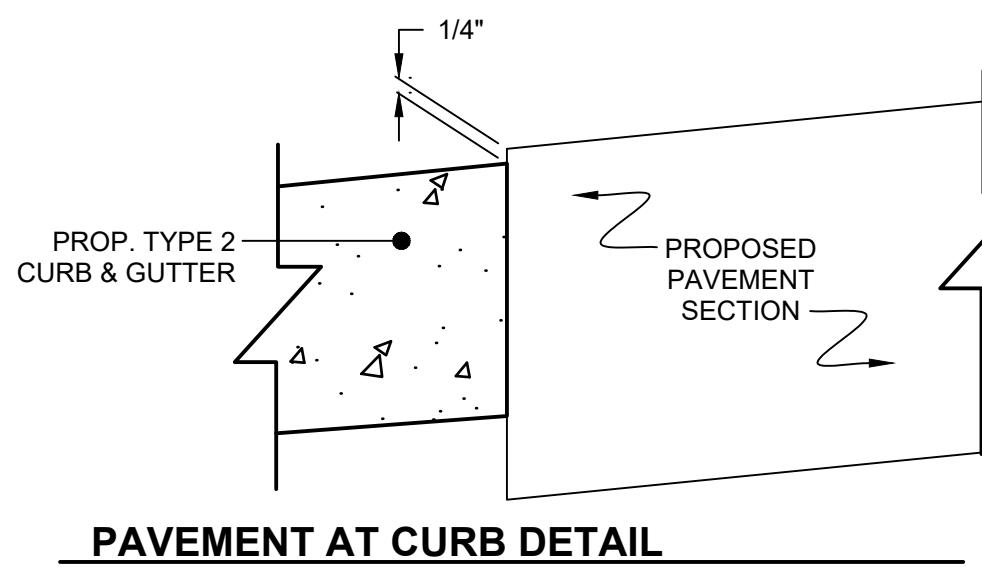
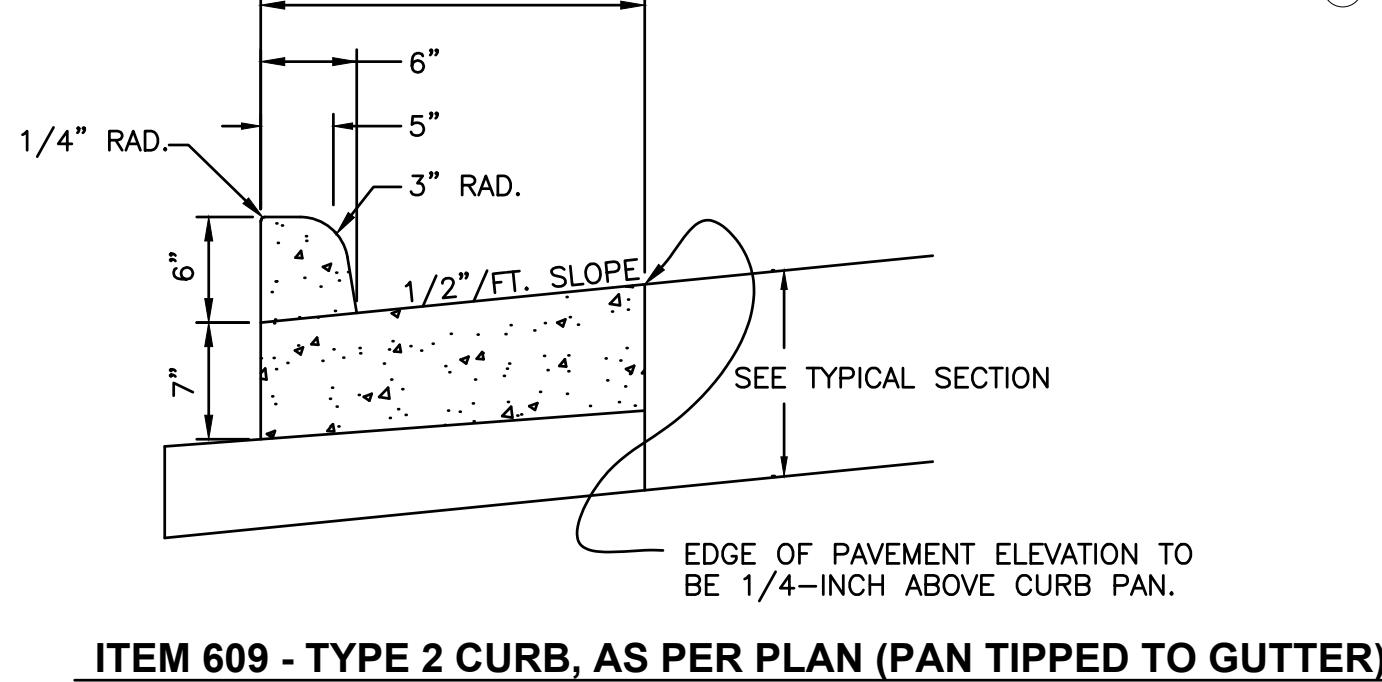
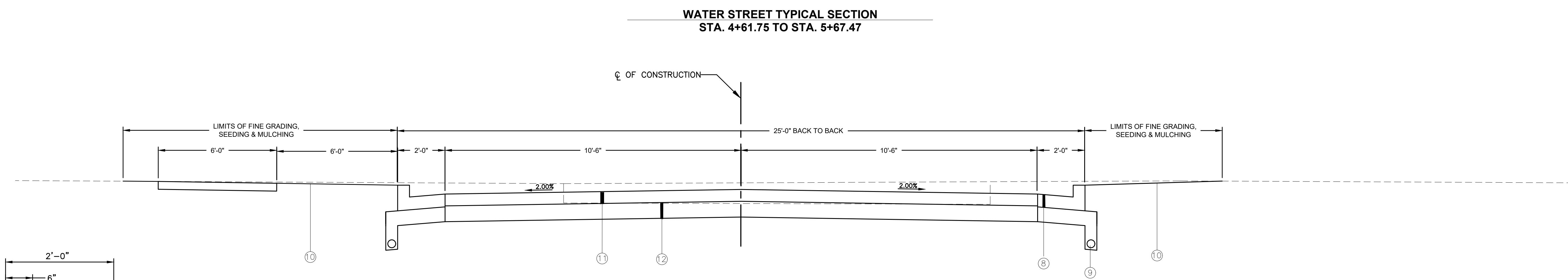
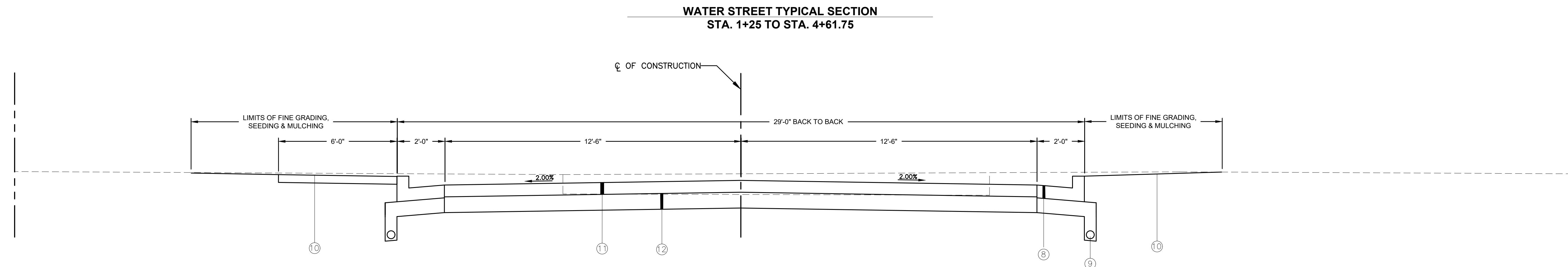
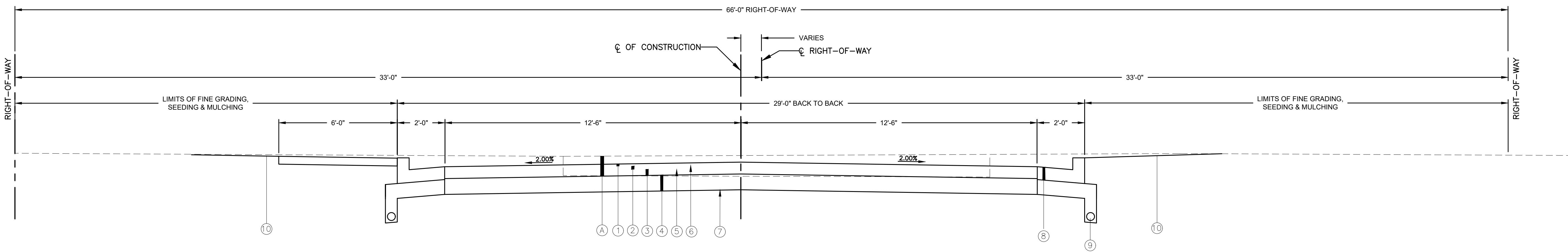
GAB 1/20/26

DESIGNED BY KMB 10/25/25

12-2-25 FOR BIDS

**TYPICAL SECTION**  
KALIDA CANOE LAUNCH  
WATER STREET  
KALIDA, OHIO 45853

REVIEWED BY: GAB 2-4-25  
DESIGNED BY: KMB 2-4-25  
JOB NUMBER: 22-456  
SHEET - 8  
OF 10 SHEETS



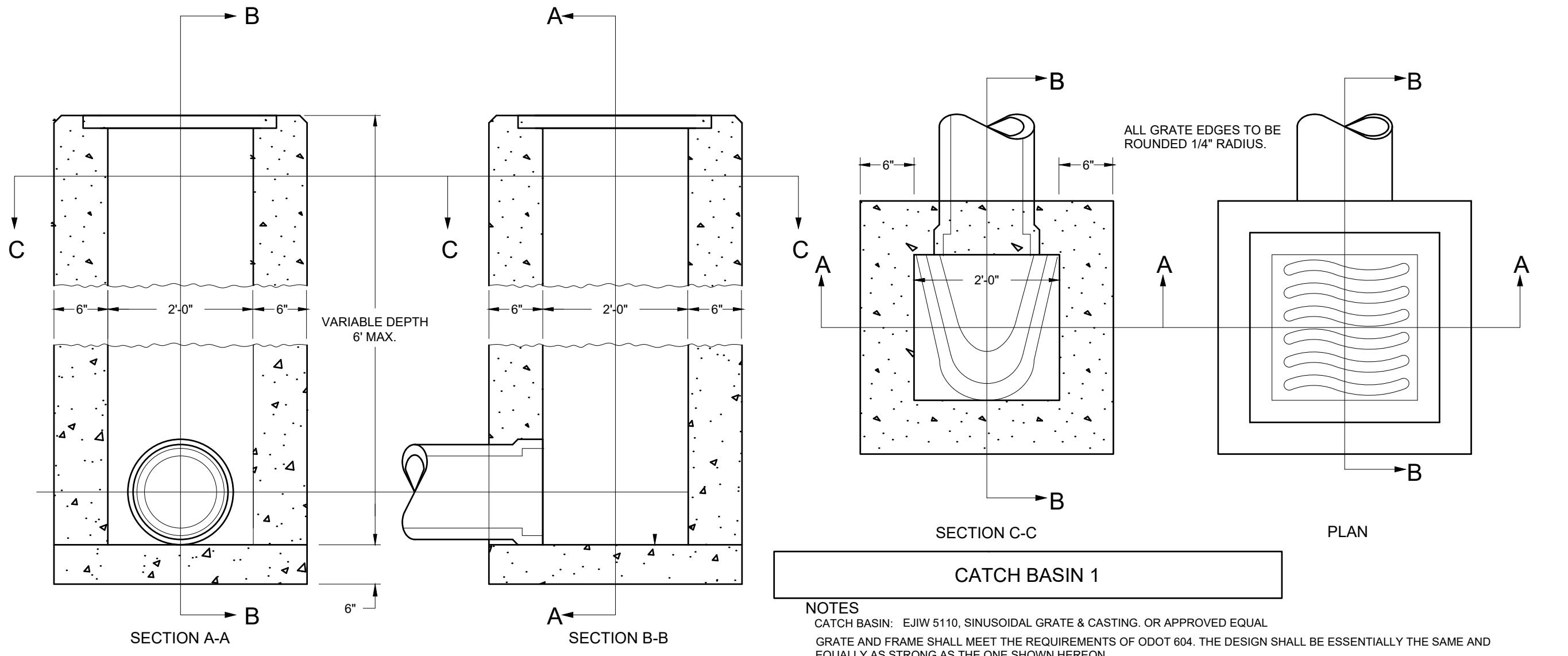
**LEGEND**

- ① ITEM 448 - 1.0" ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, PG 64-22
- ② ITEM 448 - 2.0" ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PG 64-22
- ③ ITEM 301 - 3.0" ASPHALT BASE (PG64-22)
- ④ ITEM 304 - AGGREGATE BASE (THICKNESS VARIES)
- ⑤ ITEM 407 - TACK COAT
- ⑥ ITEM 407 - TACK COAT FOR INTERMEDIATE COURSE
- ⑦ EXISTING AGGREGATE BASE (TO REMAIN)
- ⑧ ITEM 609 - CURB, TYPE 2, AS PER PLAN
- ⑨ ITEM 605 - 4" SHALLOW UNDERDRAIN, WITH FABRIC FILTER WRAP
- ⑩ FINISH GRADING, SEEDING AND MULCHING
- ⑪ 5 1/2" - 4000psi ODOT CLASS C w/ #4 BAR ON CETNER, EACH WAY
- ⑫ 6" - GRANULAR BASE, ODOT 304 (BY OTHERS)
- (A) EXISTING PAVEMENT COMPOSITION:  
VARIABLE THICKNESS AGGREGATE BASE  
VARIABLE THICKNESS ASPHALT PAVEMENT

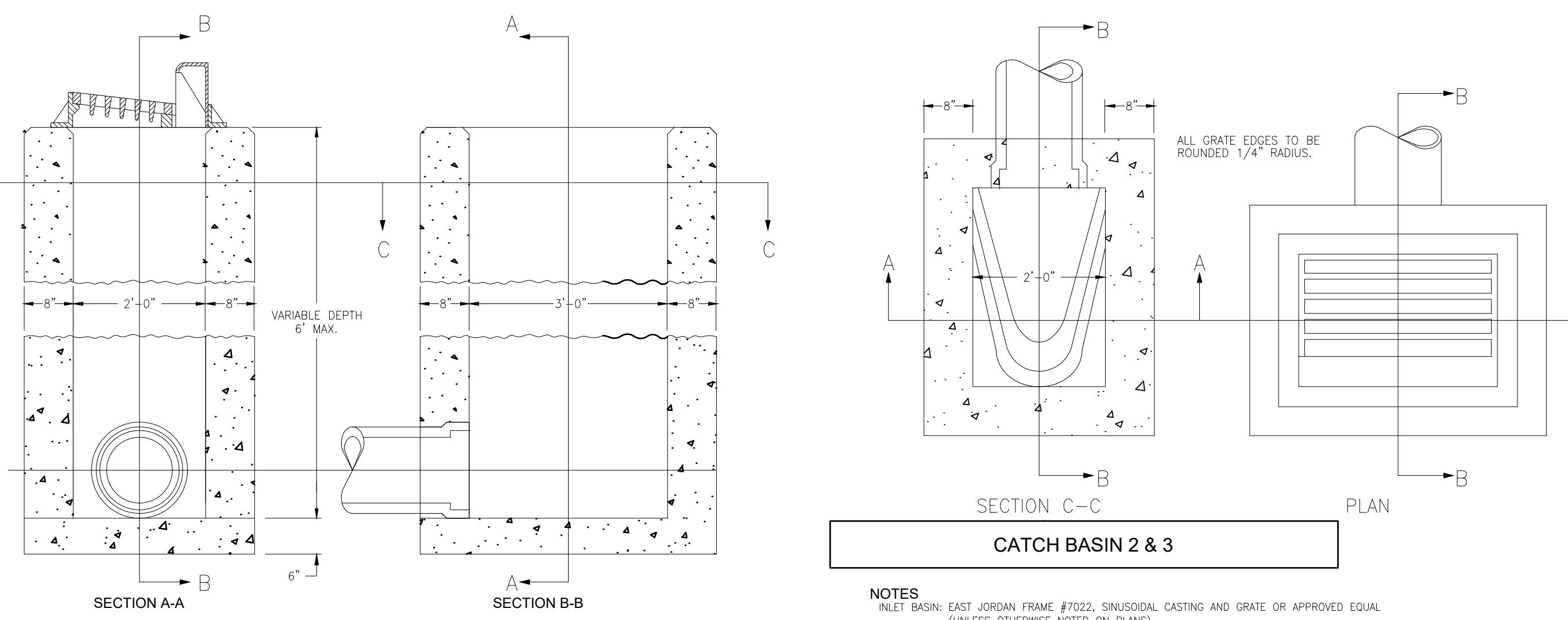
REVISED

REVIEWED BY: GAB 2-4-25  
DESIGNED BY: KMB 2-4-25  
JOB NUMBER: 22-456

SHEET - 8  
OF 10 SHEETS



## CATCH BASIN 2-2-B



## CATCH BASIN 2-2-B

### ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLY TO ALL CROSS-SECTIONS EVEN THOUGH OTHERWISE SHOWN.

### UTILITIES

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

### UTILITIES

LISTED BELOW ARE ALL THE UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS WITH THEIR RESPECTIVE OWNERS:

ELECTRIC:  
AMERICAN ELECTRIC POWER

NATURAL GAS:  
KING ENERGY, INC.  
1700 WESTFIELD DRIVE  
FINDLAY, OHIO 45840  
(800) 434.3427

WATER AND SEWER:  
VILLAGE OF KALIDA  
WATER/SEWER DEPARTMENT  
KALIDA, OHIO  
(419) 796.3899

TELEPHONE:  
KALIDA TELEPHONE COMPANY  
121 E. MAIN STREET  
P.O. BOX 188  
KALIDA, OHIO 45853  
(419) 532.3218

CABLE, TELEVISION:  
KALIDA TELEPHONE COMPANY  
121 E. MAIN STREET  
P.O. BOX 188  
KALIDA, OHIO 45853  
(419) 532.3218

### CLEARING AND GRUBBING

REMOVE ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING.

### MONUMENT ASSEMBLIES

CONTRACTOR SHALL NOTIFY ENGINEER WHEN INTERMEDIATE COURSE OF ASPHALT IS LAID. ENGINEER SHALL THEN COORDINATE INSTALLATION OF ALL ROADWAY MONUMENTATION. A LUMP SUM QUANTITY HAS BEEN PLACED IN THE ESTIMATED QUANTITIES.

### PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING.

ITEM 204 - PROOF ROLLING 2 HOURS

### ITEM 659 - SEEDING AND MULCHING

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR ITEM 659 - SEEDING AND MULCHING, ARE BASED ON THESE LIMITS.

### CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE (TO INCLUDE BUT NOT LIMITED TO ALL LABOR, MATERIALS AND EQUIPMENT) FOR THE PERTINENT 603 CONDUIT ITEM.

### ELEVATION DATUM

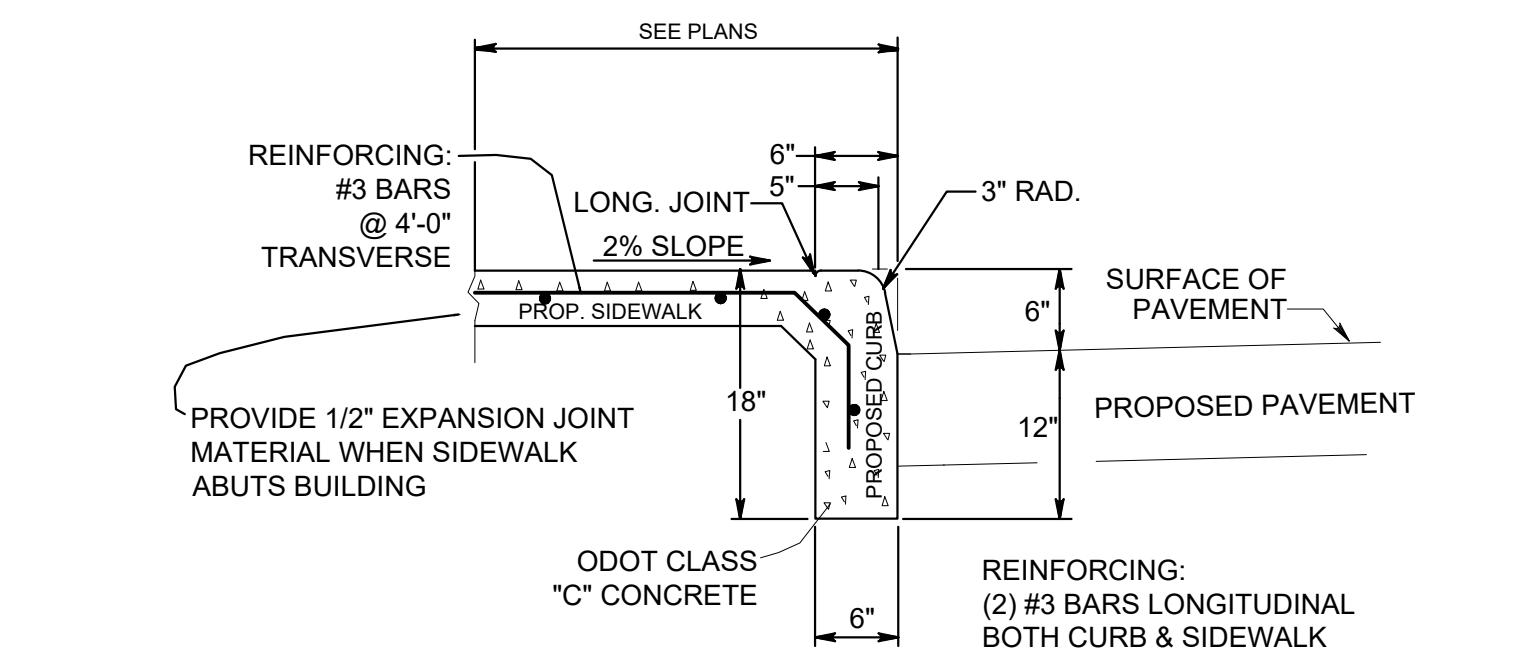
ALL ELEVATIONS ARE BASED ON NAVD 88 DATUM.

### WORK LIMITS

THE WORK LIMITS FOR THIS PROJECT SHALL BE ASSUMED TO BE ALL AREAS WITHIN THE EXISTING RIGHT-OF-WAY UNLESS OTHERWISE NOTED.

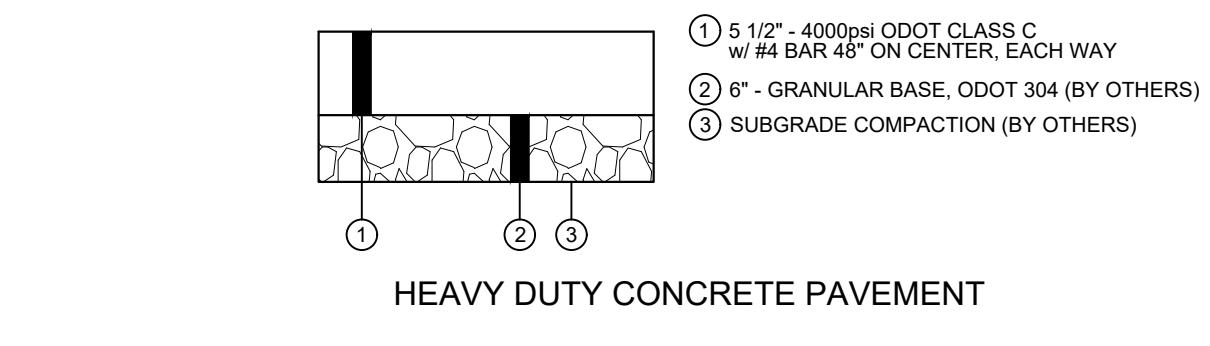
### PROTECTION OF RIGHT-OF-WAY LANDSCAPING

PRIOR TO BEGINNING WORK, THE CONTRACTOR, THE PROJECT ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY WILL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT OF WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS) A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEERS FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE, CONSTRICT ALL ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS.



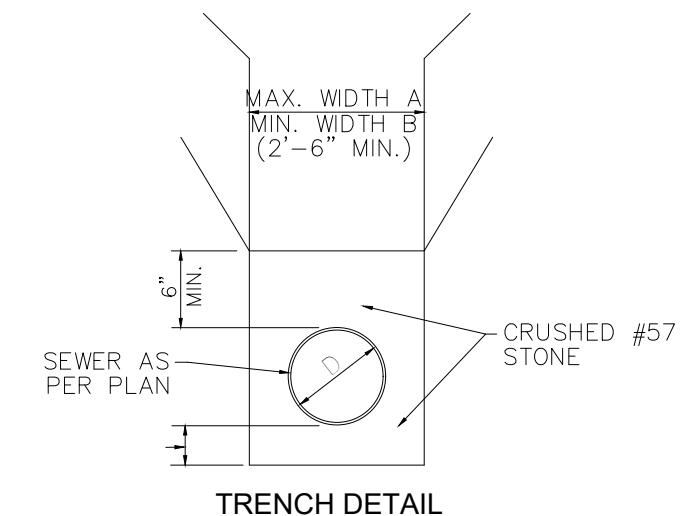
## INTEGRAL CURB/SIDEWALK

CONCRETE WALKS, DRIVES AND CURB RAMPS SHALL BE REINFORCED AND DOWELED INTO THE PROPOSED CURB.  
TO CLARIFY, THIS APPLIES TO SIDEWALKS, DRIVE APRONS AND CURB RAMPS. THE REINFORCING SHALL BE A #4 REBAR MAT IN THE CENTER OF THE CAST-IN-PLACE SLAB AT MAXIMUM 4 FOOT ON CENTER AND ALSO THE DOWELS SHALL BE AT MAXIMUM 4 FOOT SPACING. THE DOWELS ALSO SHALL BE #4 REBAR AND CAN BE DRILLED INTO THE CURB, SIDEWALK, DRIVE, ETC.

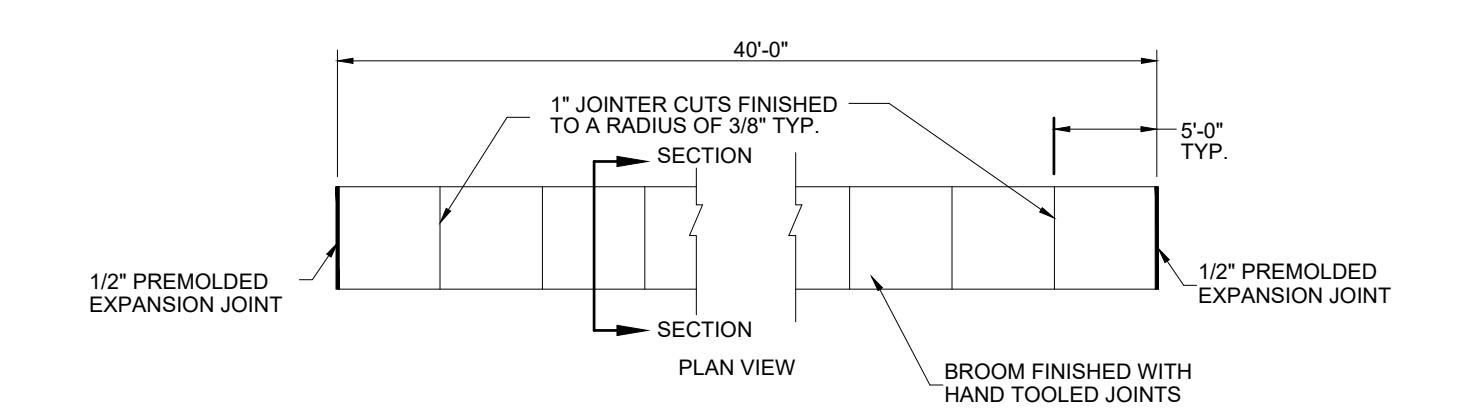


## PAVING SPECIFICATIONS

PIPE SIZE	A	B
UP TO 33"	D + 16"	D + 12"
36" AND GREATER	D + 24"	D + 12"



**EXTERIOR CONCRETE:**  
THICKNESS ..... AS INDICATED ON PLANS  
TYPE ..... ODOT AS-C, OPTION  
SPEC TO FOLLOW  
ODOT CMS WITH  
IMPEDE INTRASEAL  
JOINT SPACING ..... CURBS (10' MAXIMUM)  
SIDEWALKS (6' MAXIMUM)  
FINISH ..... BROOM W/TOOLED JOINTS & EDGES  
SEALING ..... DIAMOND CLEAR 350 or EQUAL



NOTE: INSTALL WITH SNOW MELT SYSTEM LOOP PIPING OVER "THE BARRIER XT - BARRIER X5" INSULATION & VAPOR RETARDER OVER 4" MIN. COMPACTED STONE BASE. SEE MECHANICAL DRAWINGS.

## CONCRETE WALK DETAIL



### TRENCH DETAILS

PAVED AREA, ASPHALT PAVEMENT OR CONC. DECK  
COMPACTED AGG. SUBBASE  
2' MIN. #411 CRUSHED STONE  
1' - 0" MAX.  
CRUSHED #57 STONE  
PIPE SHALL BE LAID ON 4" MIN. OF APPROVED NATURAL SAND BASE & TRENCH SHALL BE FILLED WITH APPROVED EXCAVATED MATERIAL.

### SAFETY REQUIREMENTS

THE CONTRACTOR AND SUBCONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTOR TO INITIATE AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.

### REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDITIONS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE ENGINEER.

THE CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES (AND SUBSEQUENT UTILITY CROSSINGS) PRIOR TO THE CONSTRUCTION AND/OR PLACEMENT OF ANY STORM SEWER STRUCTURES OR CONDUIT. IF A CONFLICT IS ANTICIPATED THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR THEIR PROJECT REPRESENTATIVE IMMEDIATELY. UPON DISCOVERY AND ANALYSIS, THE ENGINEER MAY ADJUST THE FLOW LINE OR MODIFY THE DEPTH OF THE STRUCTURE, OR CONDUIT, TO MITIGATE THE DISCOVERED CONFLICT.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE ENGINEER.

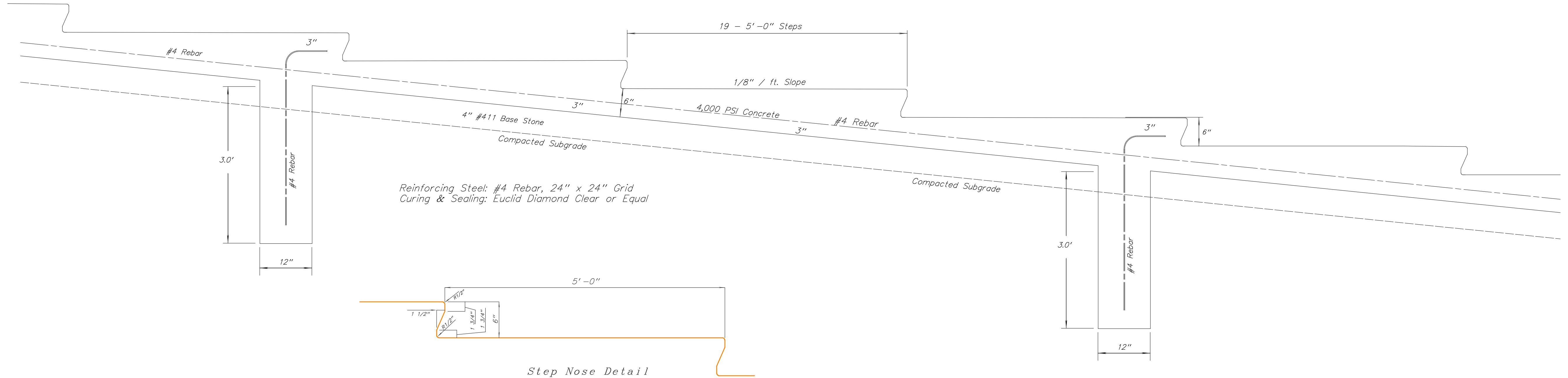
ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AND NO ADDITIONAL COST TO THE PROJECT.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE (TO INCLUDE BUT NOT LIMITED TO LABOR, MATERIALS AND EQUIPMENT) SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 603 OR 604 ITEMS. NO ADDITIONAL COMPENSATION WILL BE AWARDED FOR ANY ADJUSTMENTS TO THE STORM SEWER CONDUIT OR STRUCTURES.

CONCRETE STEP TYPICAL SECTION

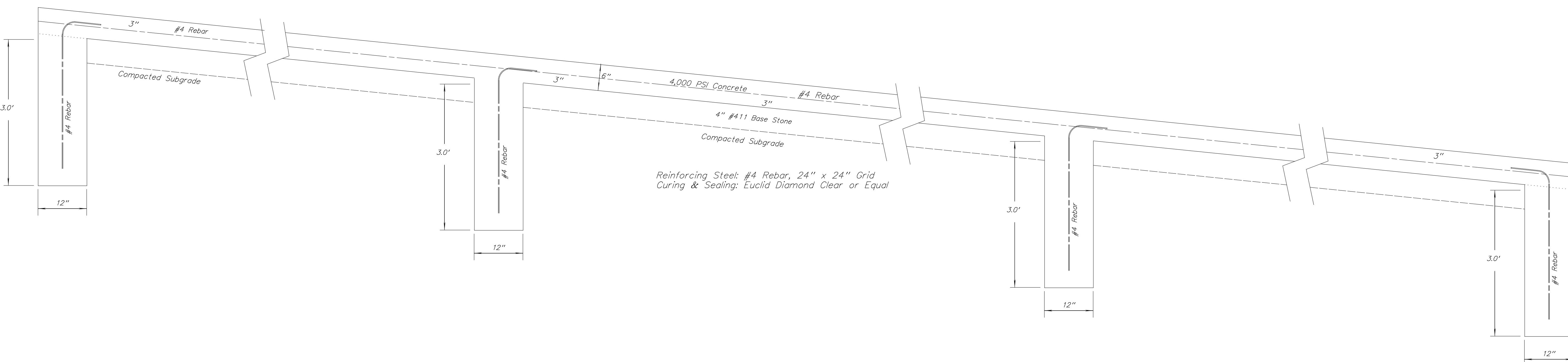
STEPS = 95' 0 LONG x 10'-0" WIDE  
 TOTAL OF 19 STEPS  
 TOTAL OF 7 SUPPORT WALLS  
 Support walls at each end of stairs  
 and at (5) 15' 0/c spacing from bottom  
 to top with (1) top spacing at 19'-0"

0 0.5 1 2  
 GRAPHIC SCALE 1" = 1'



CONCRETE RAMP TYPICAL SECTION

RAMP = 95' 0 LONG x 200'-0" WIDE  
 TOTAL OF 4 SUPPORT WALLS  
 Support walls at each end of Ramp  
 and spaced equally at 1/3 points



CONCRETE RAMP & STEP DETAILS  
 KALIDA CANOE LAUNCH  
 WATER STREET  
 KALIDA, OHIO 45853

SCALE 1" = 1'

JOB #22-456

DRAWN BY GAB

SHEET - 10  
 OF 10 SHEETS