

KALIDA CANOE LAUNCH

PUTNAM COUNTY

KALIDA, OHIO

SHEET INDEX:

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VICINITY MAP
Lat. 40° 58' 41" N Long. 84° 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.

DATE	JASON BIRKEMEIER MAYOR - VILLAGE OF KALIDA
DATE	GREGORY A. BOCKRATH P.E., P.S. BOCKRATH & ASSOCIATES ENGINEERING and SURVEYING, LLC

12-2-25 FOR BIDS

2 WORKING DAYS BEFORE YOU DIG!



OHIO
Utilities Protection
www.oups.org
SERVICE

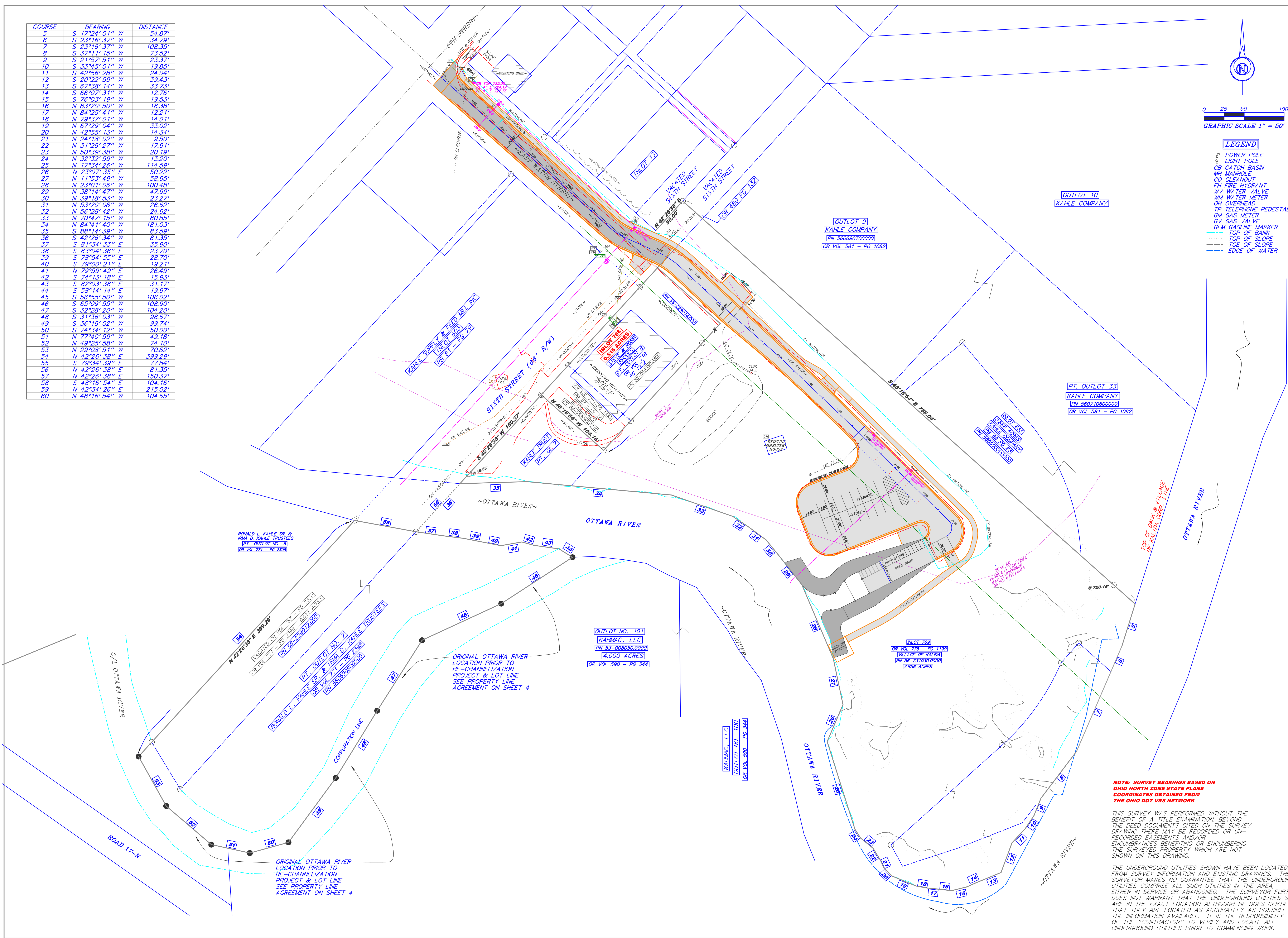
Call Before You Dig
CALL TOLL FREE: (800) 362-2764
NON-MEMBERS MUST BE CALLED DIRECTLY

Bockrath & Associates
Engineering and Surveying, LLC
115 South Fair Avenue, Suite A, Ottawa, OH 45875
Phone: 419.523.5789
www.bockrath-es.com

TITLE SHEET
KALIDA CANOE LAUNCH
WATER STREET
KALIDA, OHIO 45853

REVISED		
REVIEWED BY:	GAB	2-4-25
DESIGNED BY:	KMB	2-4-25
JOB NUMBER:	22-456	
SHEET - 1		
OF 10 SHEETS		

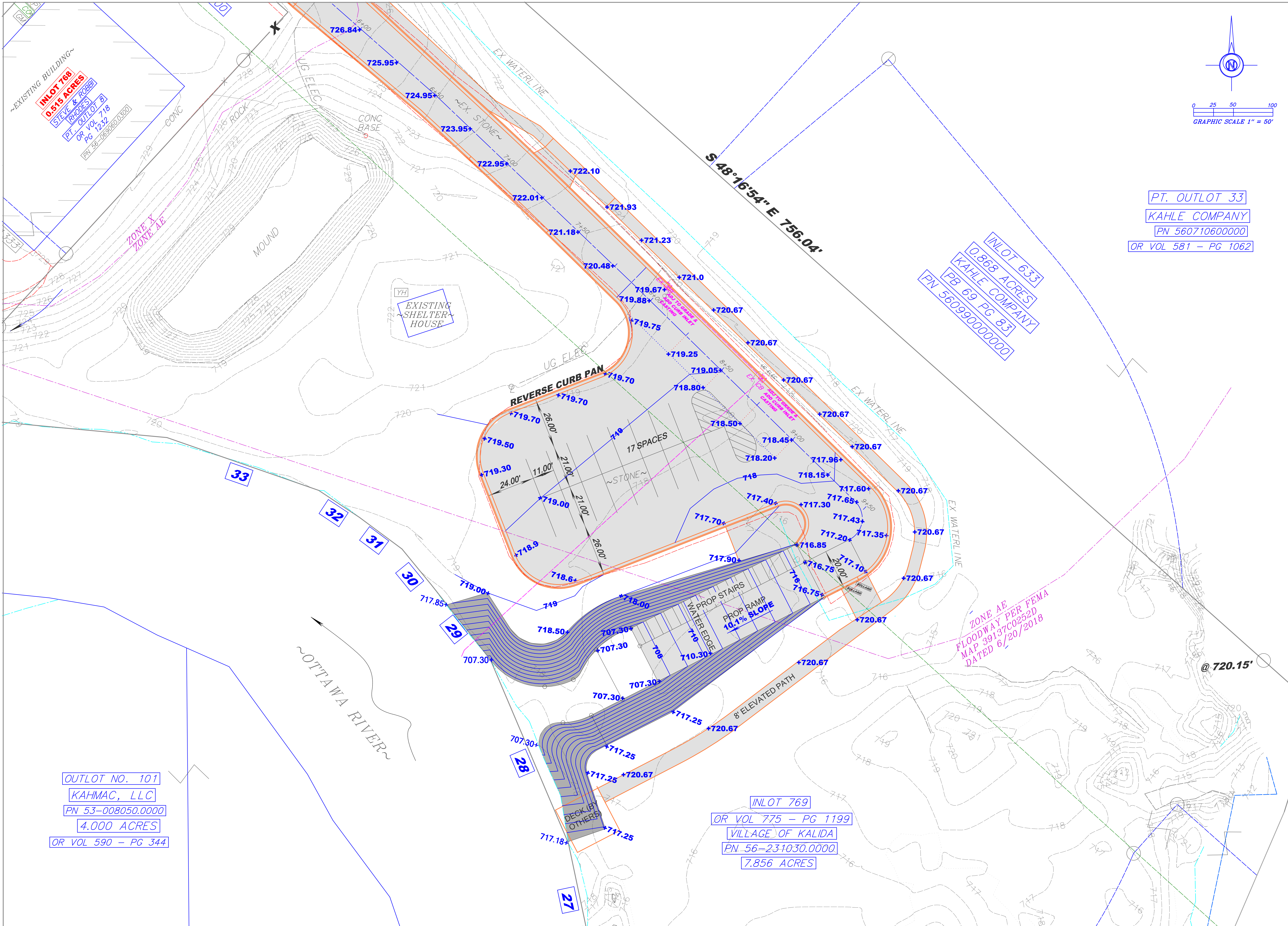
COURSE	BEARING	DISTANCE
5	S 17°24' 01" W	54.87'
6	S 23°16' 37" W	34.79'
7	S 23°16' 37" W	108.35'
8	S 37°11' 15" W	73.52'
9	S 21°57' 51" W	23.37'
10	S 33°45' 01" W	19.85'
11	S 42°56' 28" W	24.04'
12	S 20°22' 59" W	39.43'
13	S 67°38' 14" W	33.73'
14	S 66°07' 31" W	12.76'
15	S 76°03' 19" W	19.53'
16	N 83°20' 50" W	18.38'
17	N 84°25' 41" W	12.21'
18	N 79°37' 01" W	14.01'
19	N 67°29' 04" W	33.02'
20	N 42°55' 13" W	14.34'
21	N 24°18' 02" W	9.50'
22	N 31°26' 27" W	17.91'
23	N 50°39' 38" W	20.19'
24	N 32°32' 59" W	13.20'
25	N 17°34' 26" W	114.59'
26	N 23°07' 35" E	50.22'
27	N 11°53' 49" W	58.65'
28	N 23°01' 06" W	100.48'
29	N 38°14' 47" W	47.99'
30	N 39°18' 53" W	23.27'
31	N 53°20' 08" W	26.62'
32	N 56°28' 42" W	24.62'
33	N 70°47' 15" W	80.85'
34	N 84°41' 40" W	181.03'
35	S 88°14' 39" W	83.59'
36	S 42°26' 34" W	81.35'
37	S 81°34' 33" E	35.90'
38	S 83°04' 36" E	23.70'
39	S 78°54' 55" E	28.70'
40	S 79°00' 21" E	19.21'
41	N 79°59' 49" E	26.49'
42	S 74°13' 18" E	15.93'
43	S 82°03' 38" E	31.17'
44	S 58°14' 14" E	19.97'
45	S 56°55' 50" W	106.02'
46	S 65°09' 55" W	108.90'
47	S 32°28' 20" W	104.20'
48	S 31°36' 03" W	98.67'
49	S 36°16' 02" W	99.74'
50	S 74°34' 12" W	50.00'
51	N 77°40' 59" W	49.18'
52	N 49°25' 58" W	74.10'
53	N 29°08' 51" W	70.82'
54	N 42°26' 38" E	399.29'
55	S 79°34' 39" E	77.84'
56	N 42°26' 38" E	81.35'
57	N 42°26' 38" E	150.37'
58	S 48°16' 54" E	104.16'
59	N 42°34' 26" E	215.02'
60	N 48°16' 54" W	104.65'



SITE PLAN
KALIDA CANOE LAUNCH
WATER STREET
KALIDA, OH 45853

SCALE 1" = 50'
JOB #22-456
DRAWN BY KMB
10/14/25
SHEET - 2
OF 10 SHEETS

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~EXISTING BUILDING~
INLOT 768
0.515 ACRES
STEVE & ROBB
PT. OUTLOT 8
OR VOL 1232
PN 55-060900.0000

~EXISTING SHELTER HOUSE~
YH
CONC BASE
UG ELEC
~EX STONE~
EX WATER LINE
~STONE~
17 SPACES
~STONE~
10.1% SLOPE
8' ELEVATED PATH
DECK (BY OTHERS)

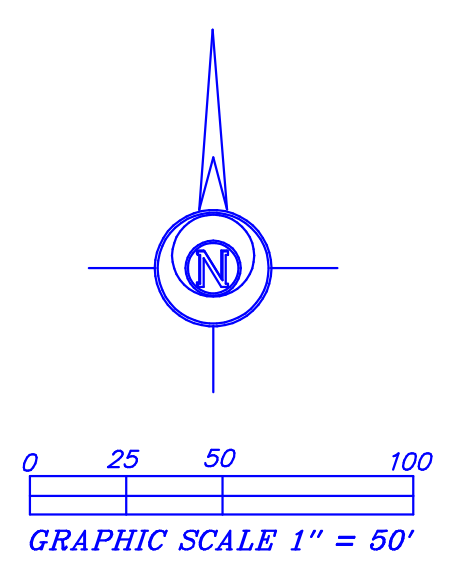
~OTTAWA RIVER~
WATER STREET
KALIDA, OH 45853

OUTLOT NO. 101
KAHMAG, LLC
PN 53-008050.0000
4.000 ACRES
OR VOL 590 - PG 344

INLOT 769
OR VOL 775 - PG 1199
VILLAGE OF KALIDA
PN 56-231030.0000
7.856 ACRES

INLOT 633
0.868 ACRES
KAHLE COMPANY
PB 69 PG 83
PN 560990000000

PT. OUTLOT 33
KAHLE COMPANY
PN 560710600000
OR VOL 581 - PG 1062



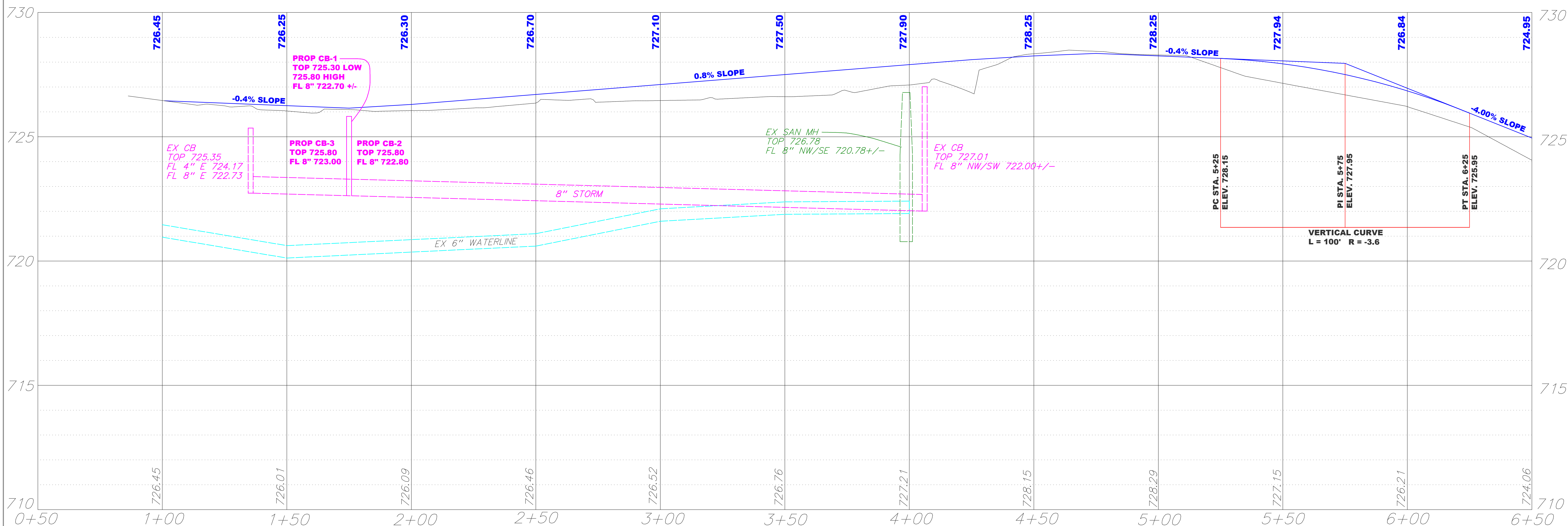
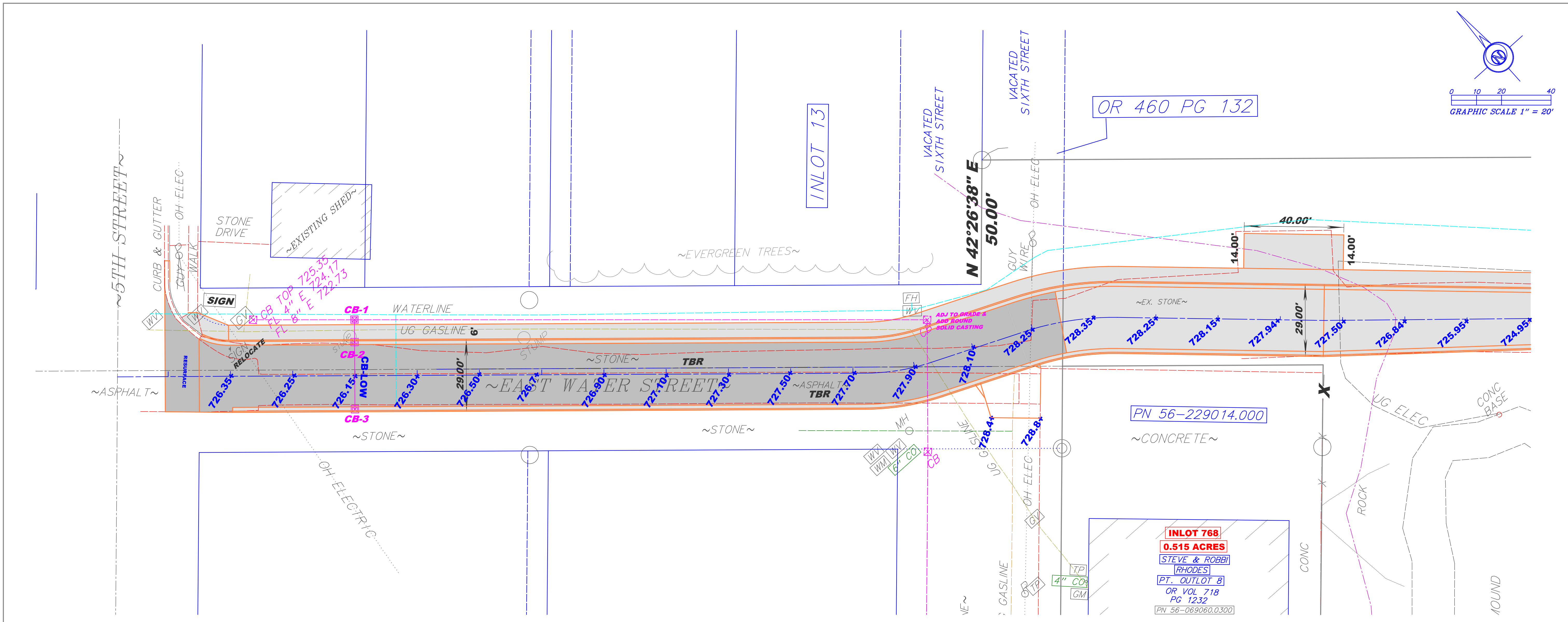
ZONE AE
FLOODWAY PER FEMA
MAP 39137C0252D
DATED 6/20/2018

12-2-25 FOR BIDS

GRADING PLAN
KALIDA CANOE LAUNCH
WATER STREET
KALIDA, OH 45853

SCALE 1" = 20'
JOB #22-456
DRAWN BY KMB/CAB
10/14/25
SHEET - 3
OF 10 SHEETS

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12-2-25 FOR BIDS

PLAN & PROFILE

KALIDA CANOE LAUNCH

WATER STREET

KALIDA, OHIO 45853

SCALE 1" = 20'

JOB #22-456

DRAWN BY KME 1-27-25

SHEET - 4 OF 10 SHEETS

Bockrath & Associates

Engineering and Surveying, LLC


115 S. Fair Avenue, Suite A - Ottawa - Ohio

Phone: 419.523.5789

OR 460 PG 132

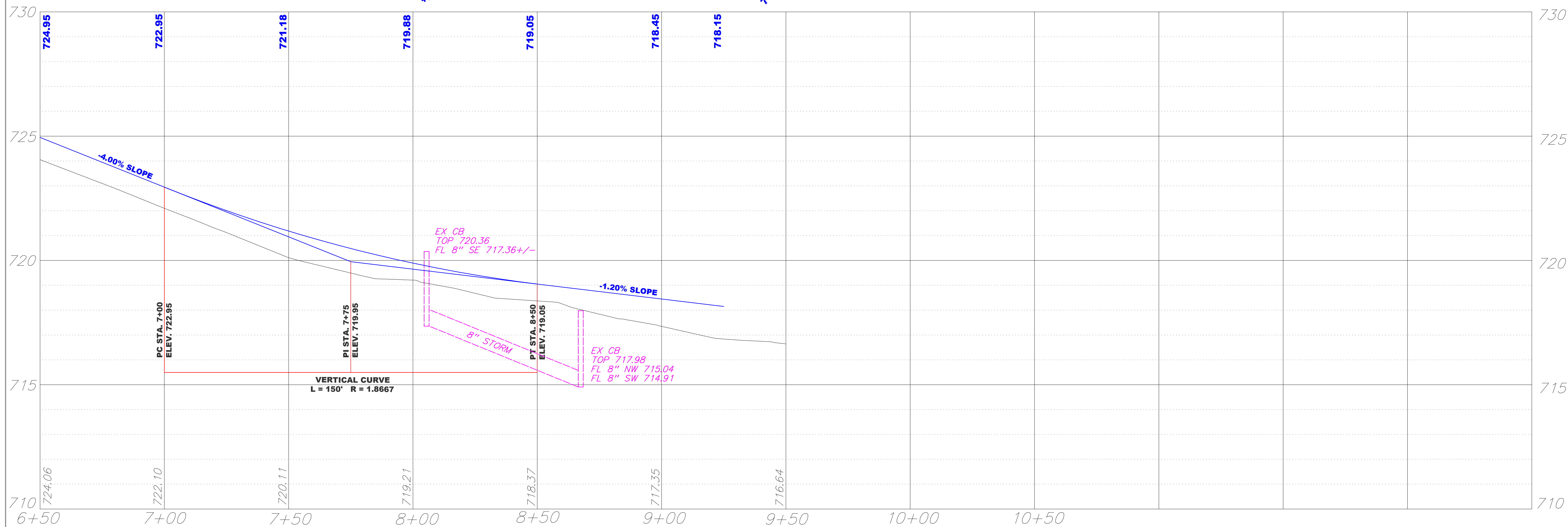
PN 56-229014.000

INLOT 768
0.515 ACRES
STEVE & ROBB
RHODES
PT. OUTLOT 8
OR VOL 718
PG 1232
PN 56-069060.0300



0 10 20 40
GRAPHIC SCALE 1" = 20'

The site plan illustrates a proposed parking lot area adjacent to an existing shelter house. The parking lot is defined by a dashed orange line and contains numerous elevation points ranging from +706.67 to +724.95. A blue dashed line indicates a boundary or path. The existing shelter house is shown as a grey-shaded building with a roofline and interior walls. Various annotations include "EX WATER LINE", "UG ELEC", "ADJ TO GRADE & ADD CURB INLET CASTING", "EX CB", "17 SPACES", "~STONE~", "10.1% SLOPE", and "EXISTING SHELTER HOUSE". Dimensions such as 26.00', 21.00', 11.00', and 20.00' are provided for specific areas. A north arrow is located in the upper right corner.



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

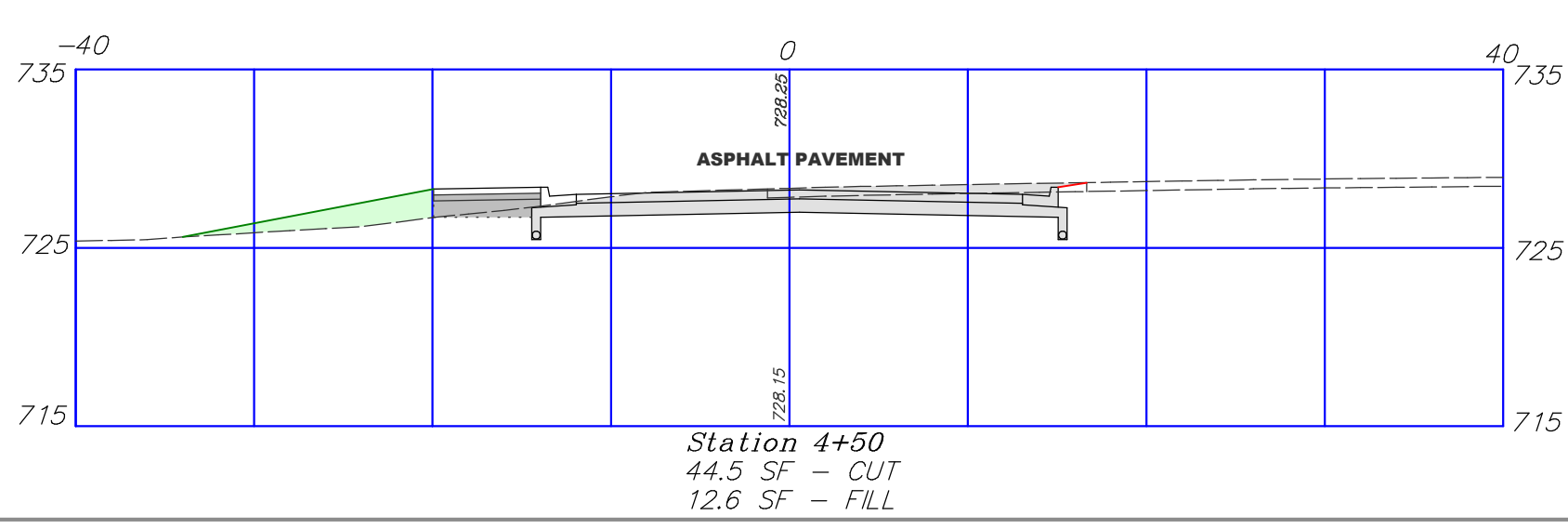
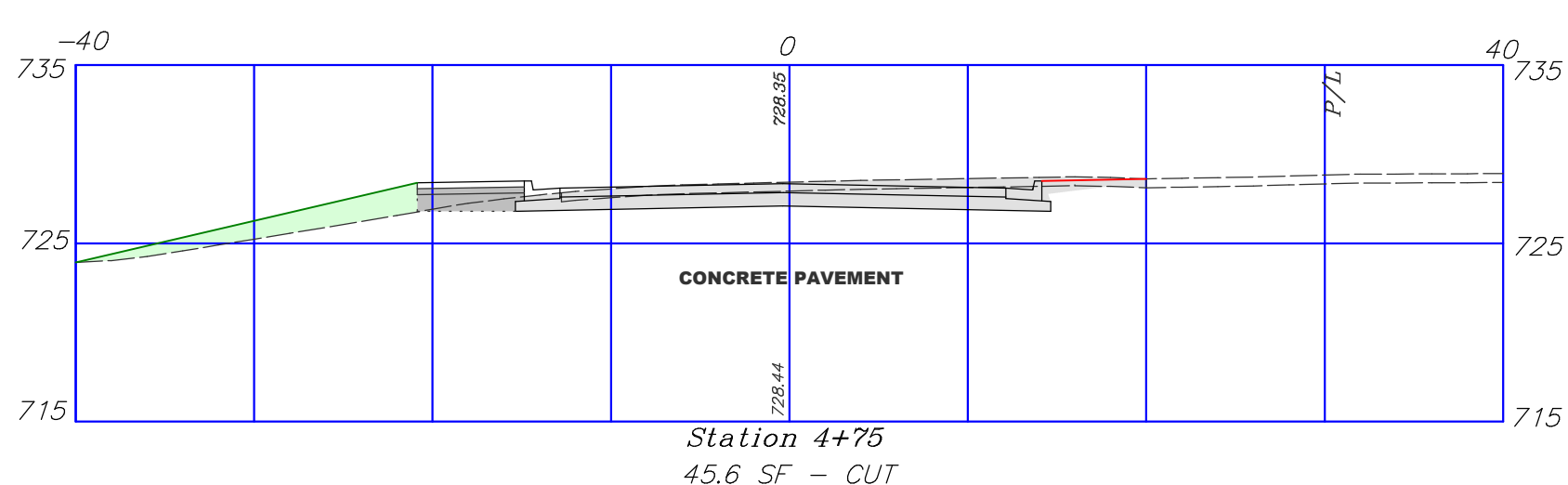
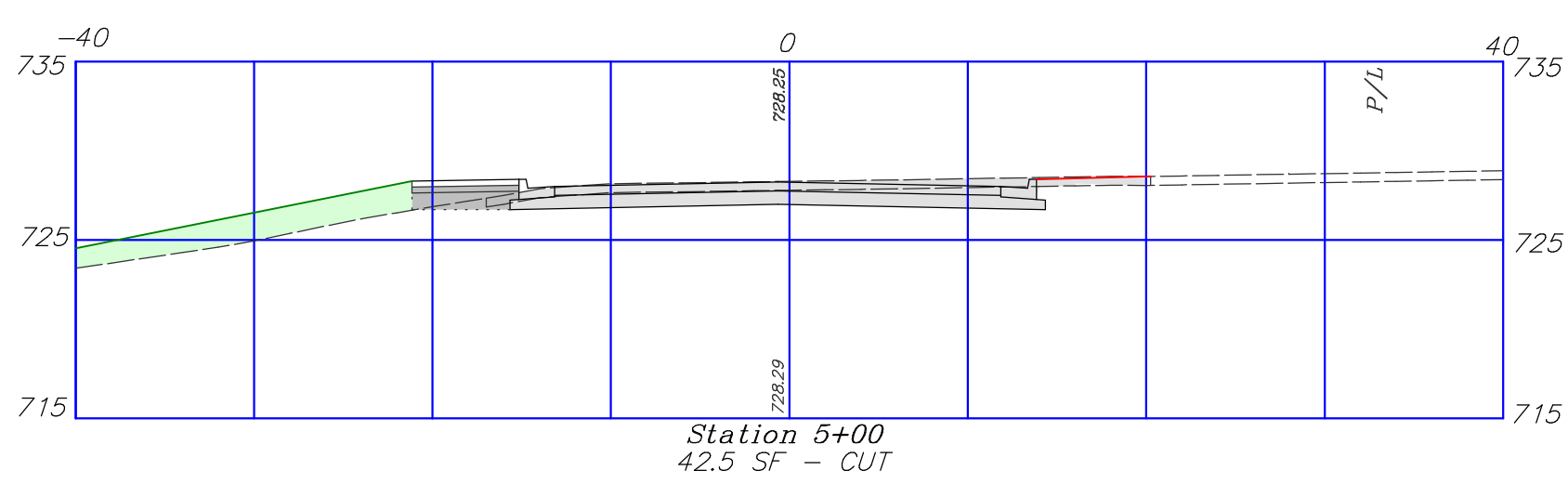
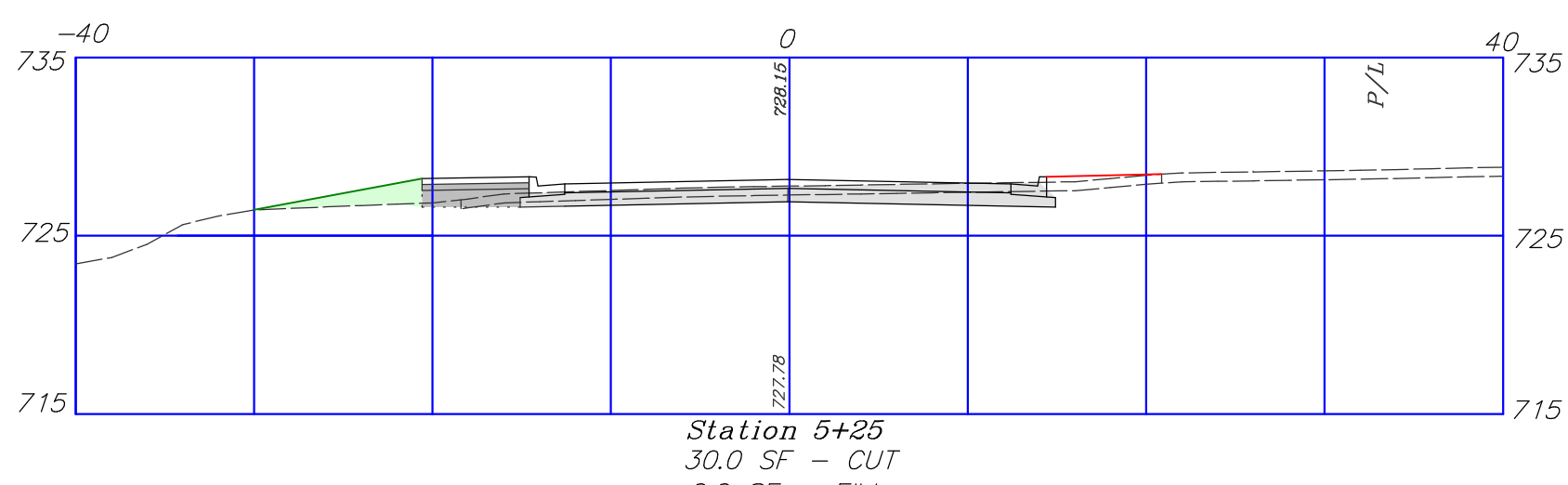
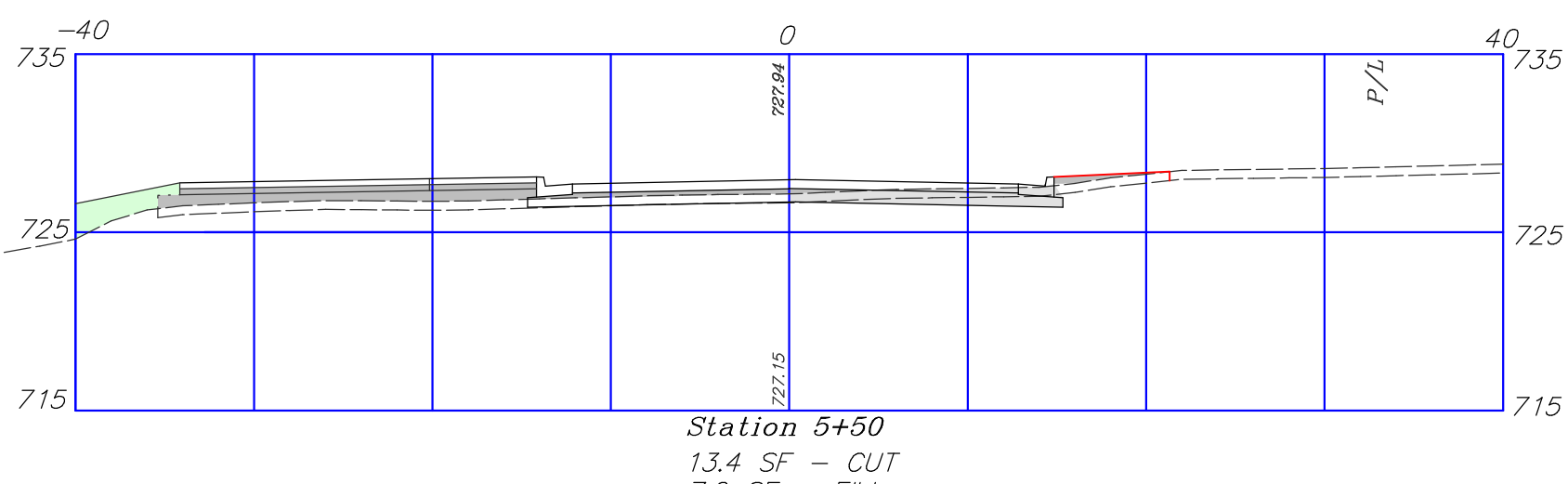
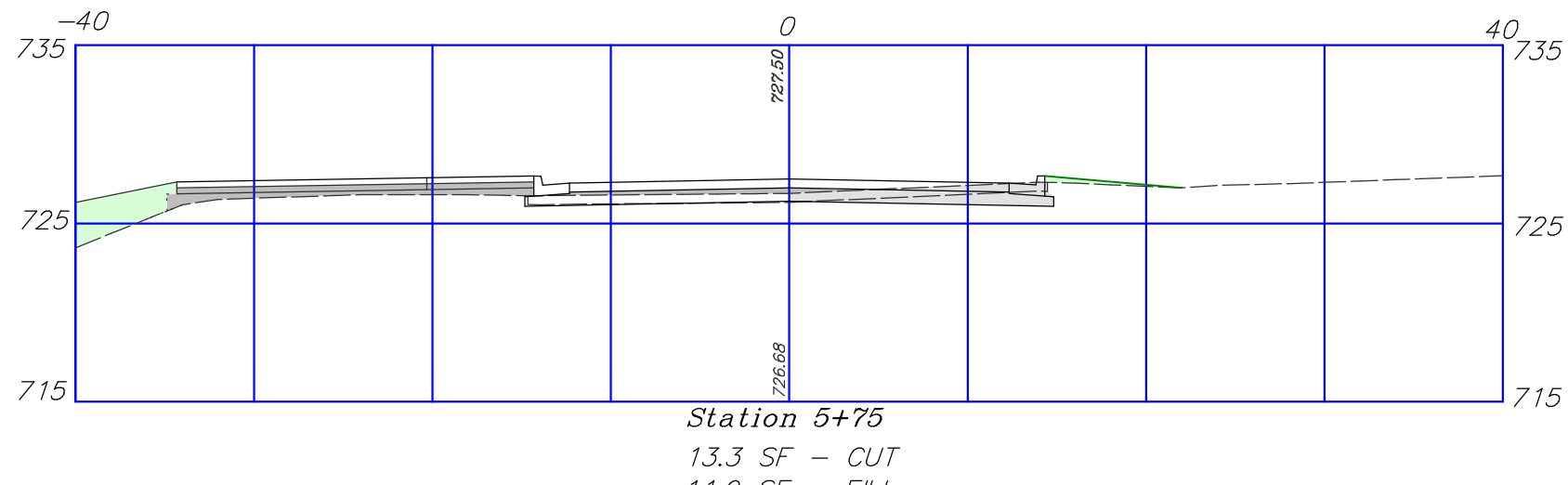
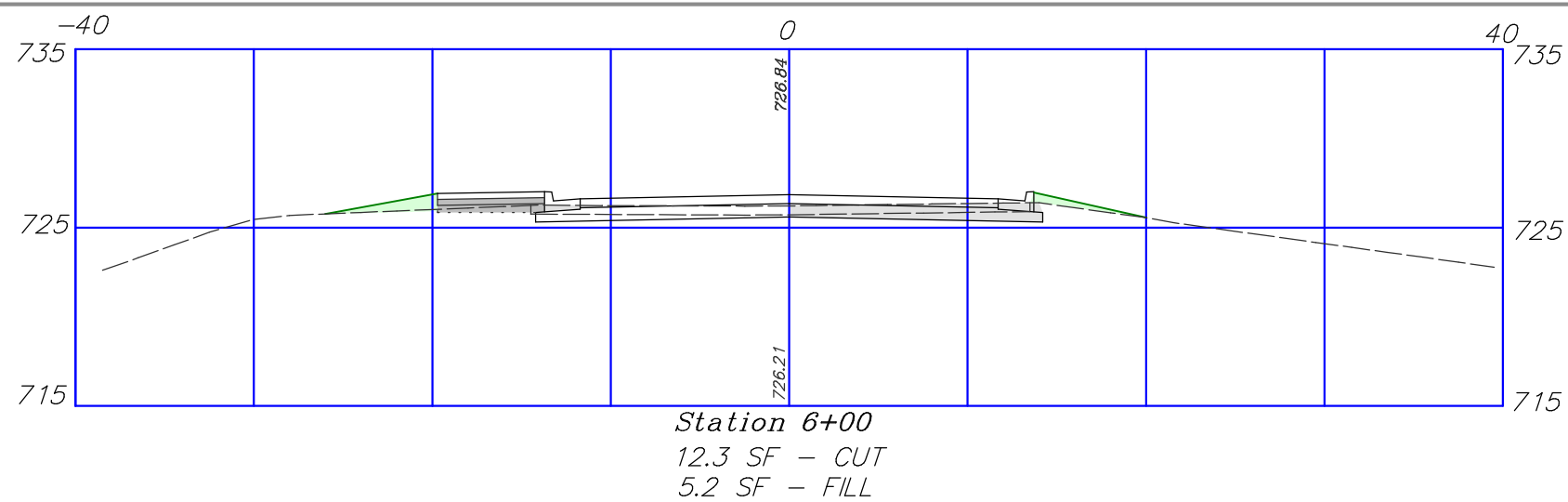
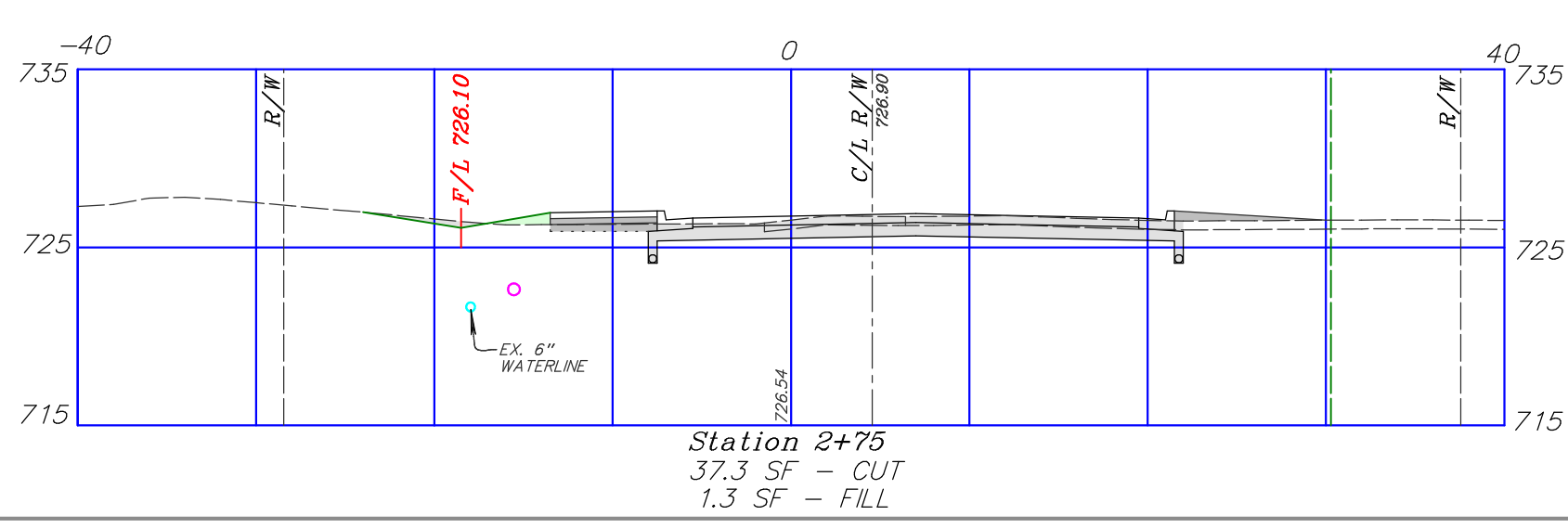
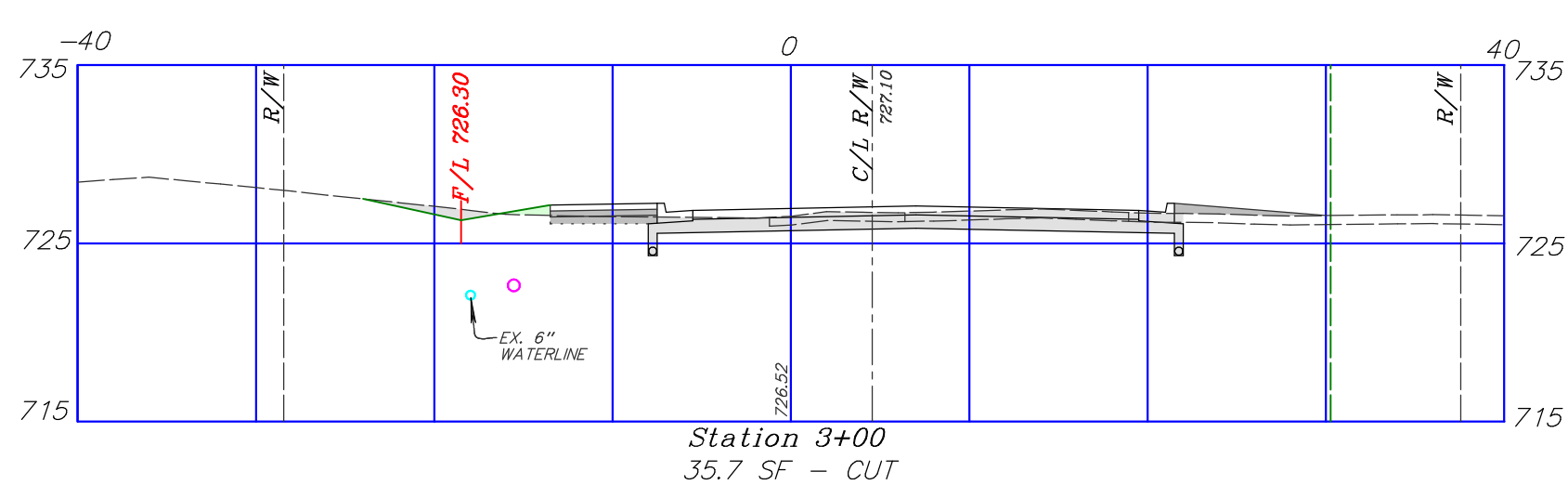
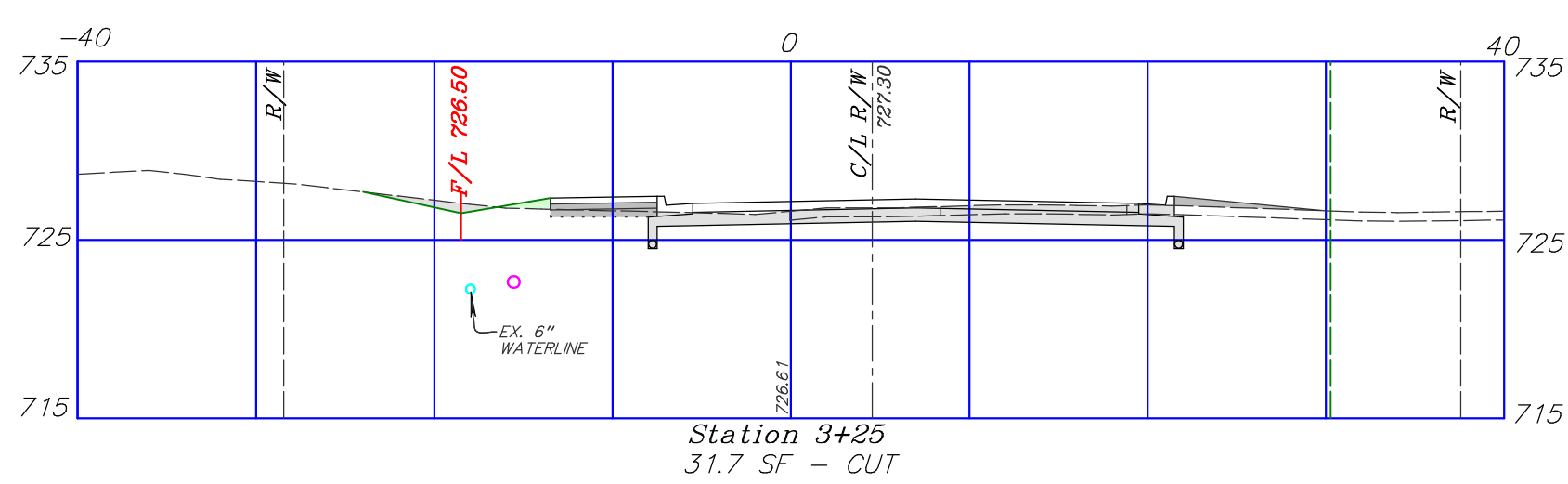
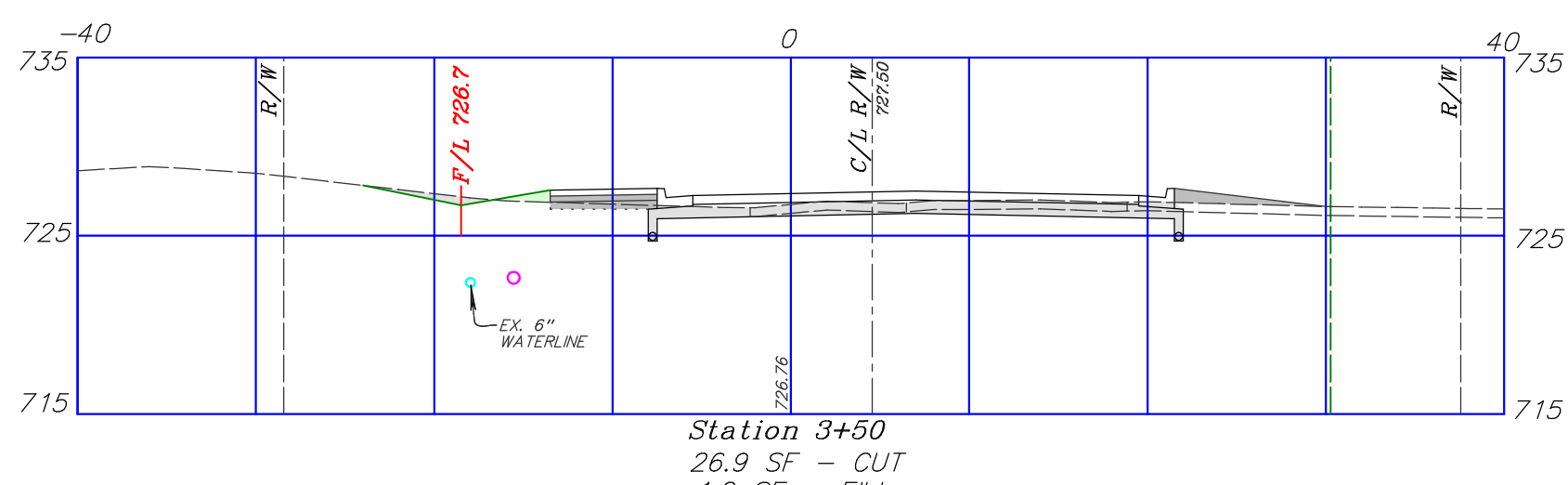
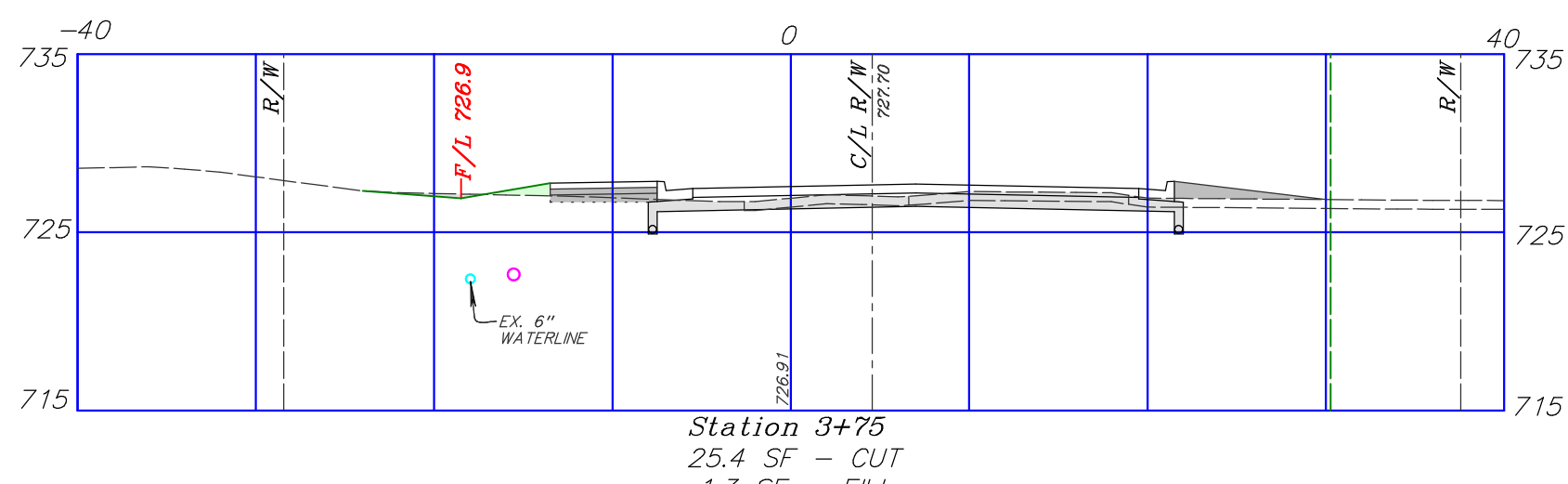
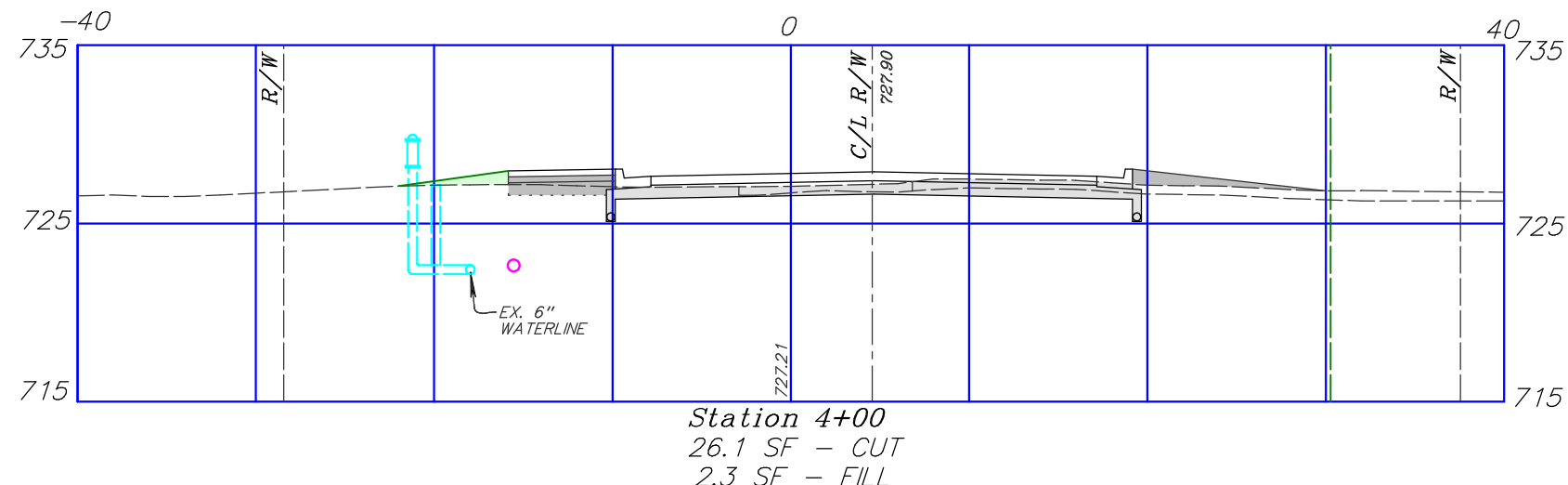
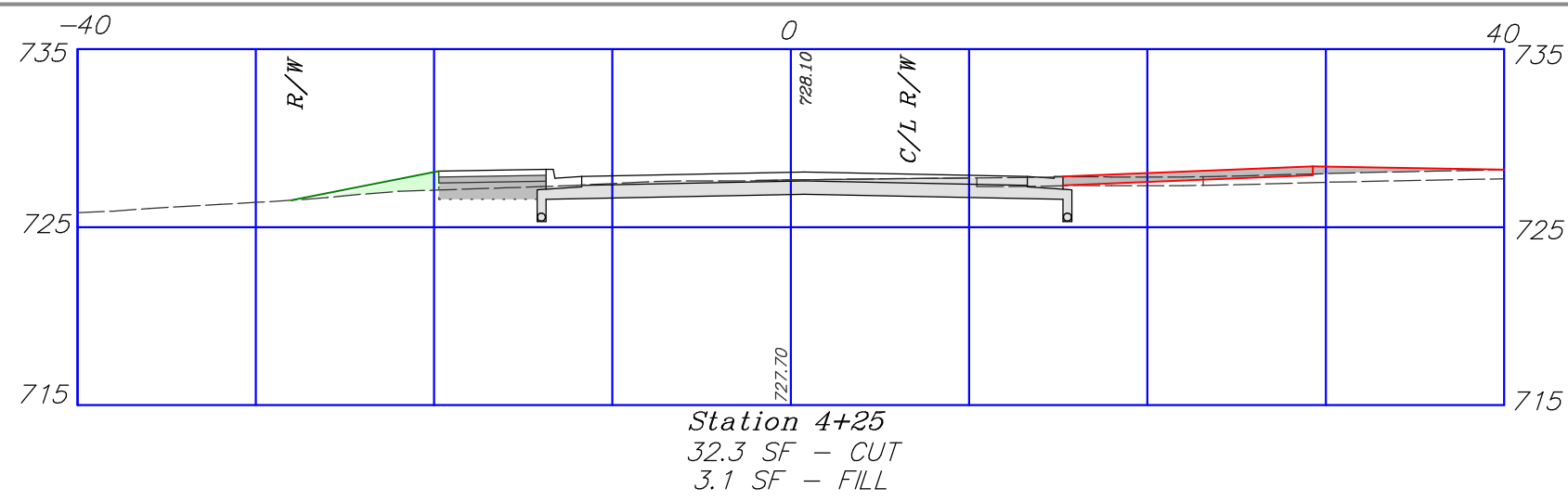
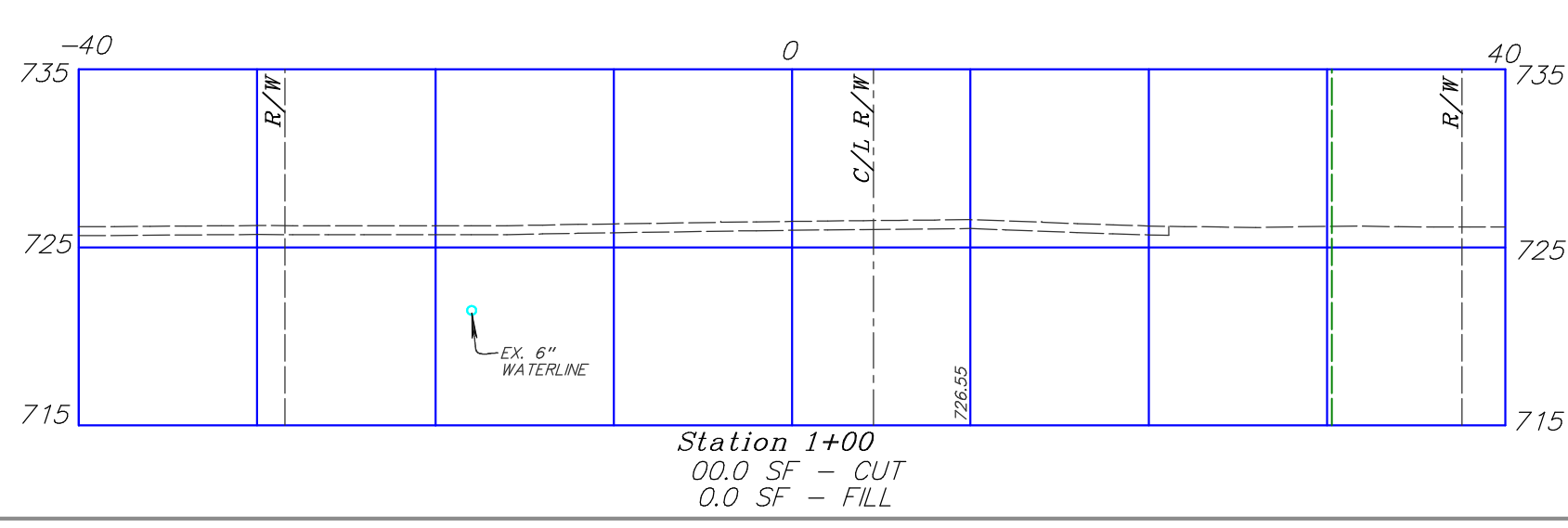
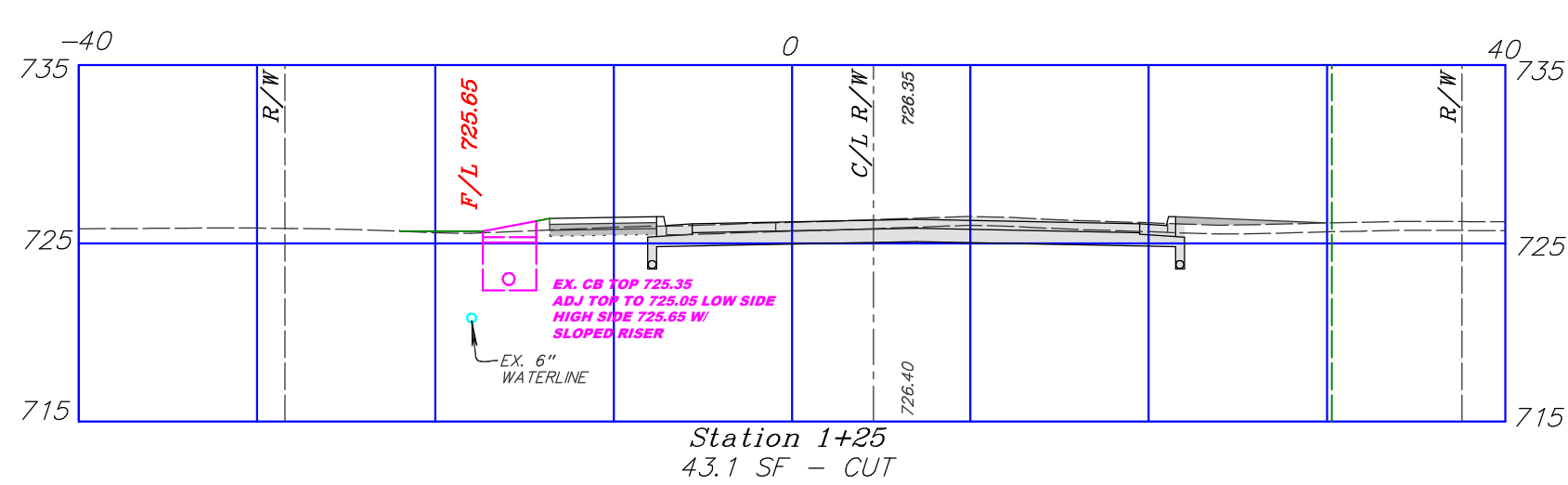
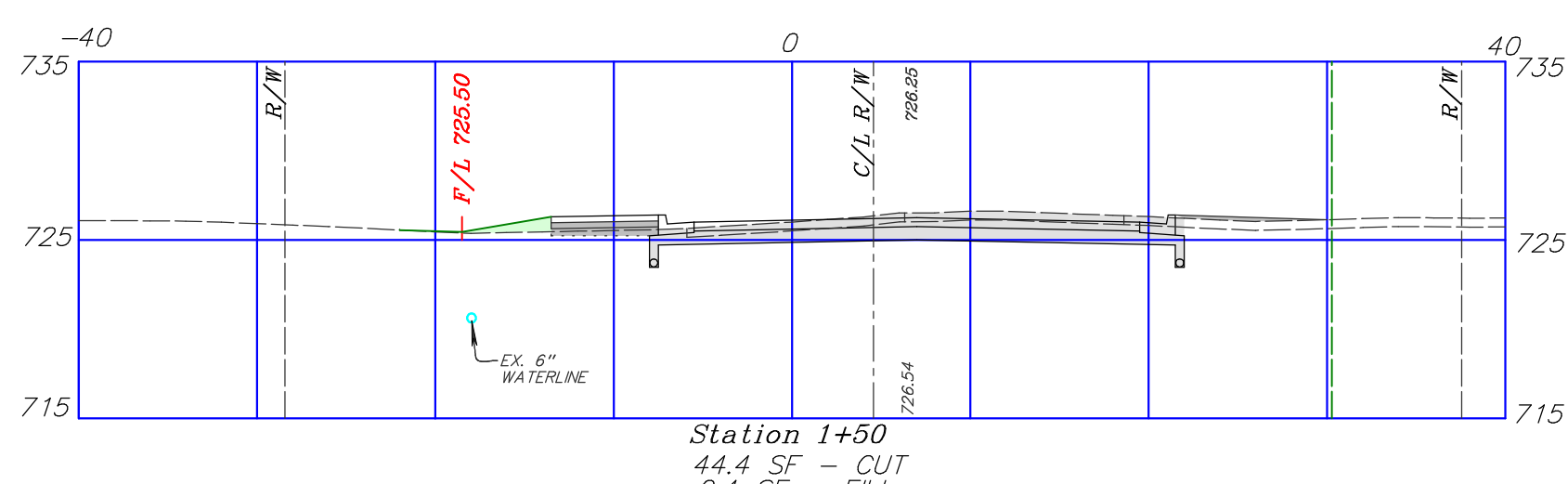
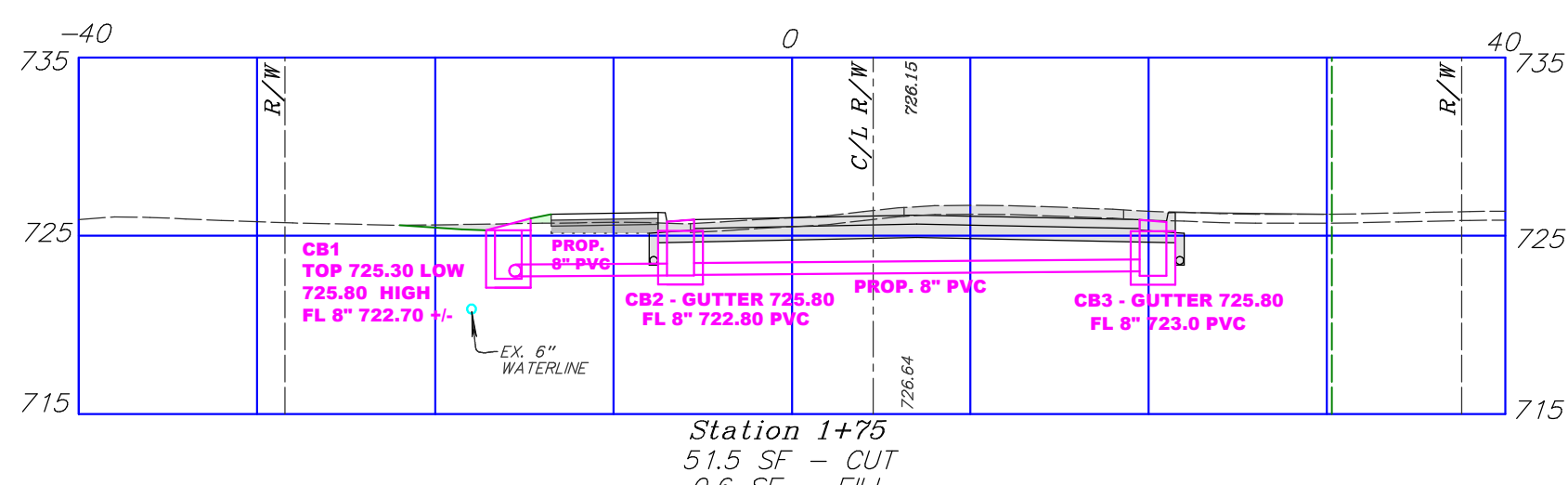
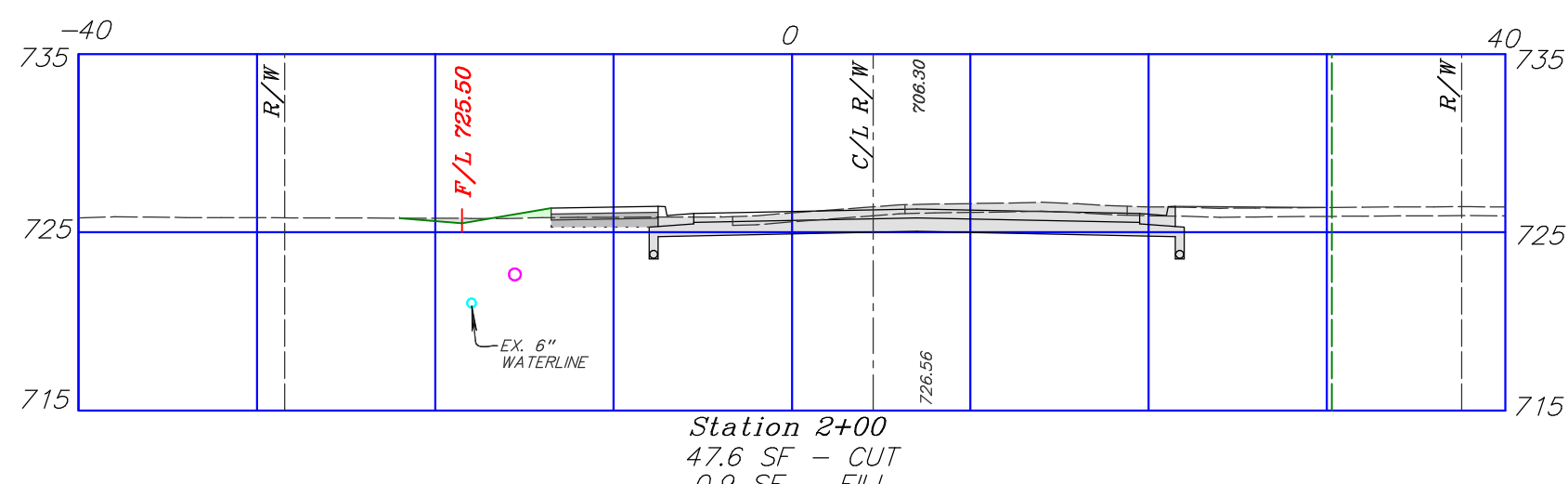
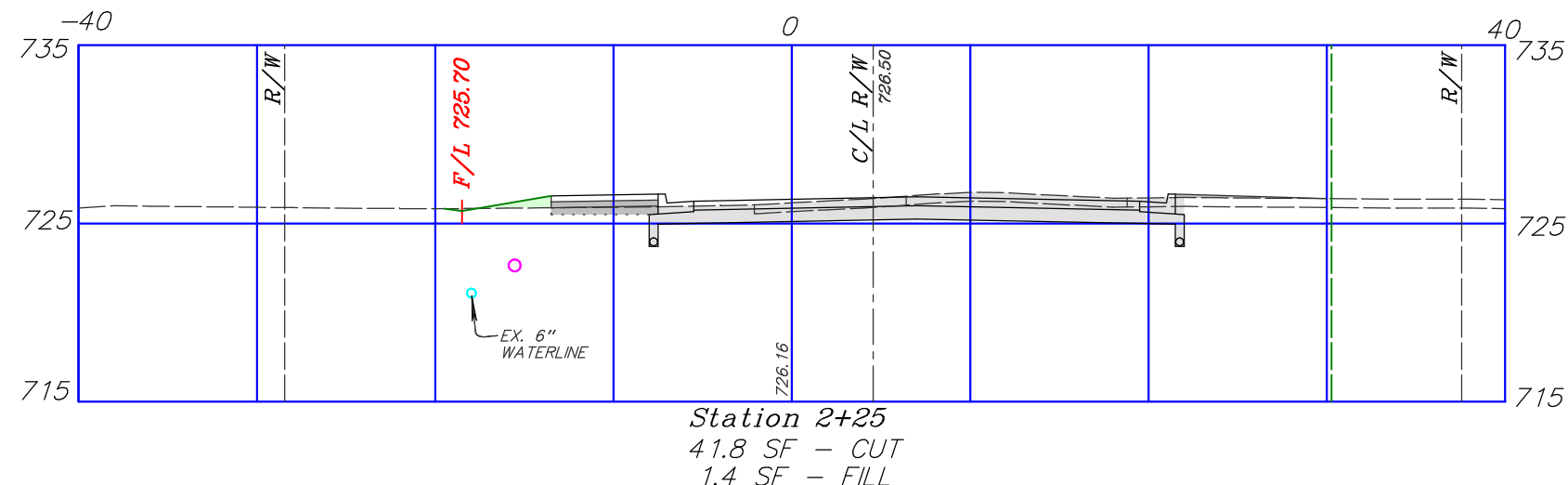
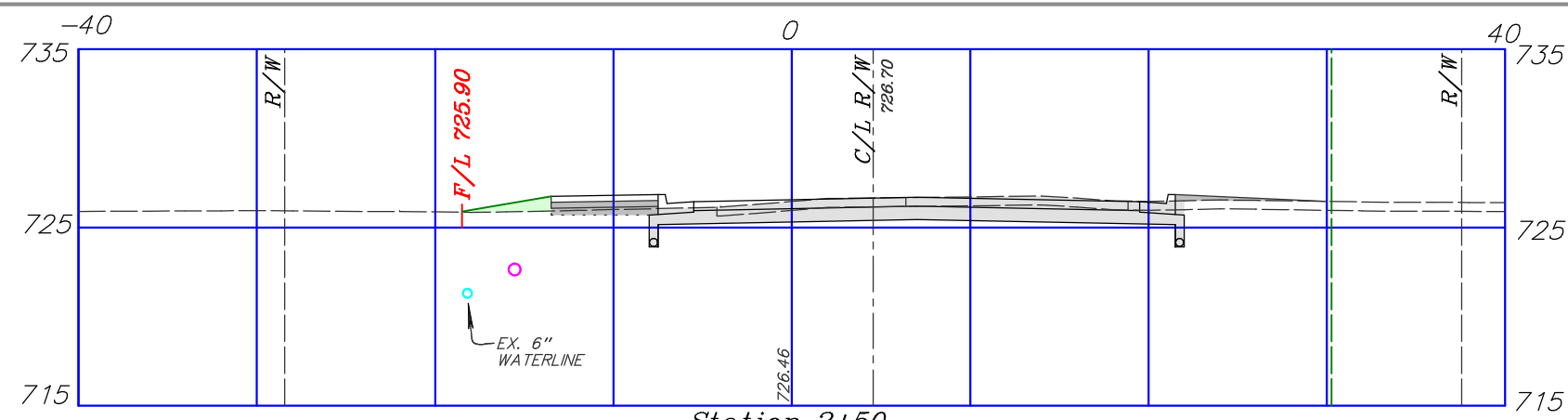
SCALE 1" = 20'

JOB #22-456

DRAWN BY KMB
1-27-25

SHEET - 5
OF 10 SHEETS

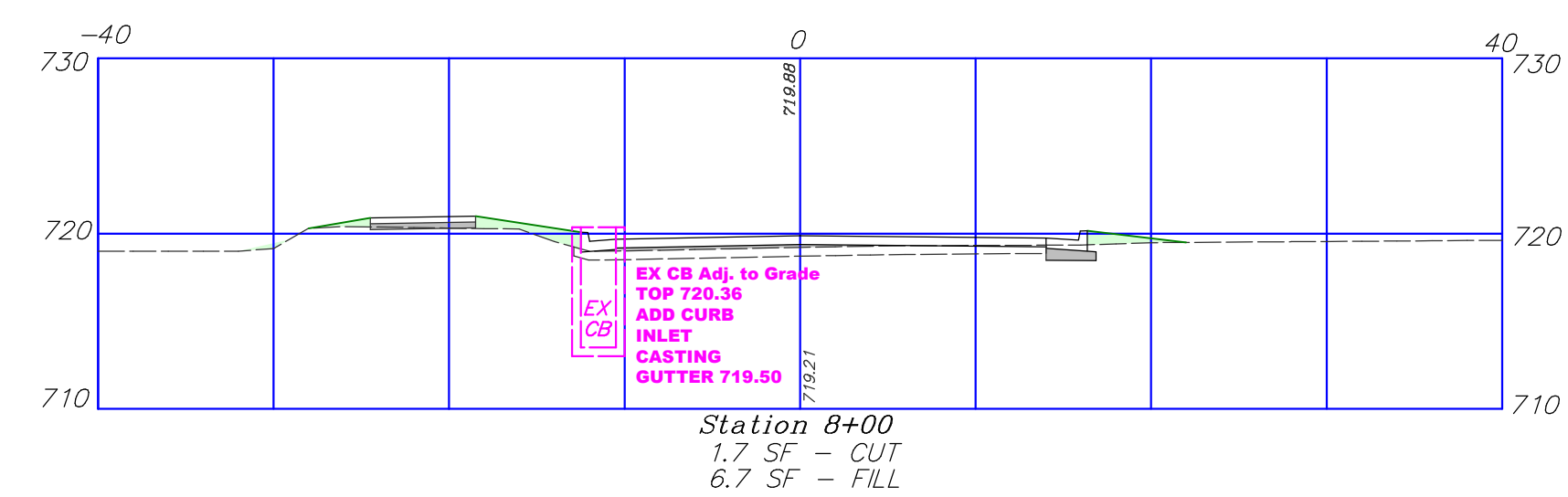
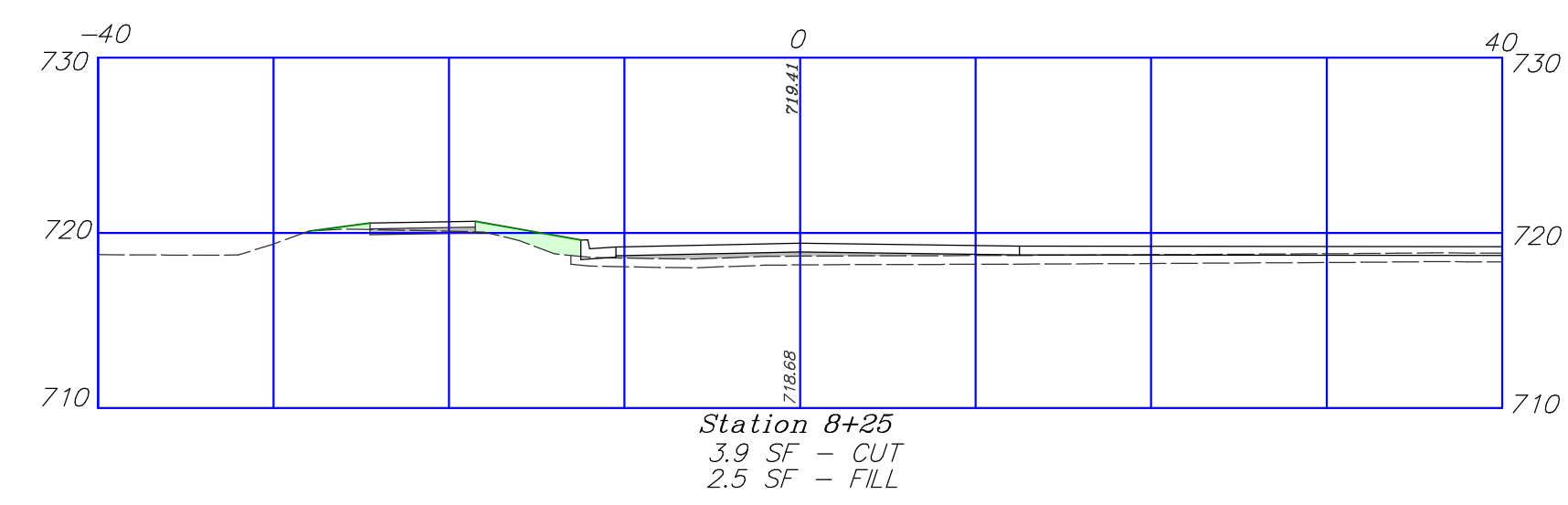
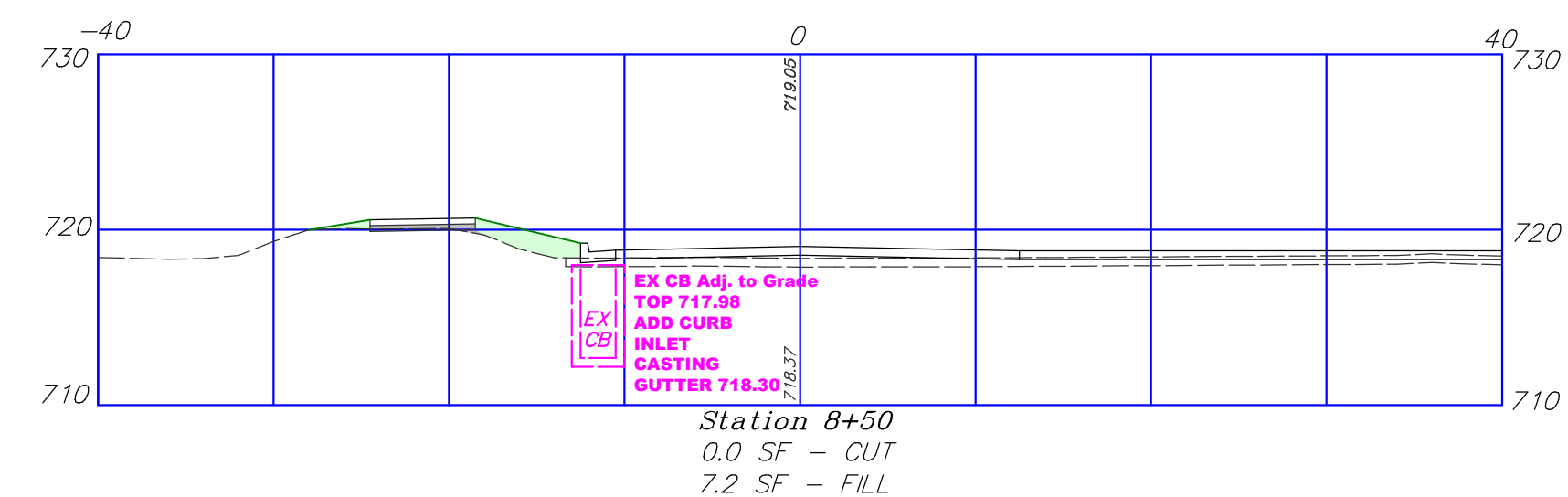
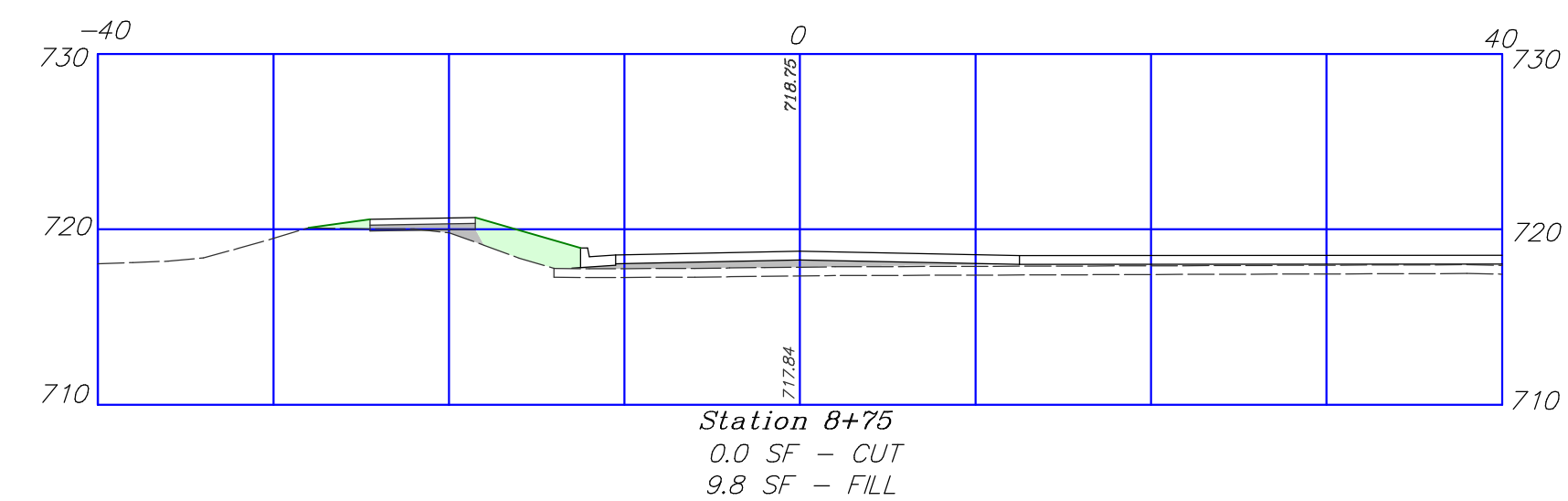
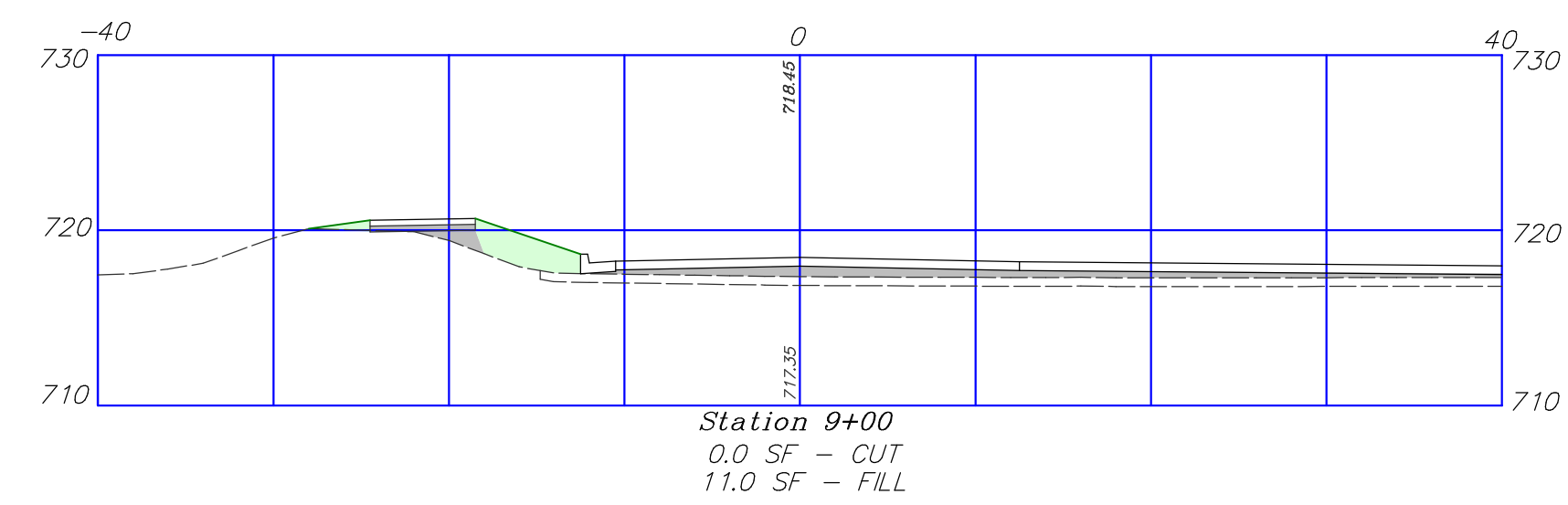
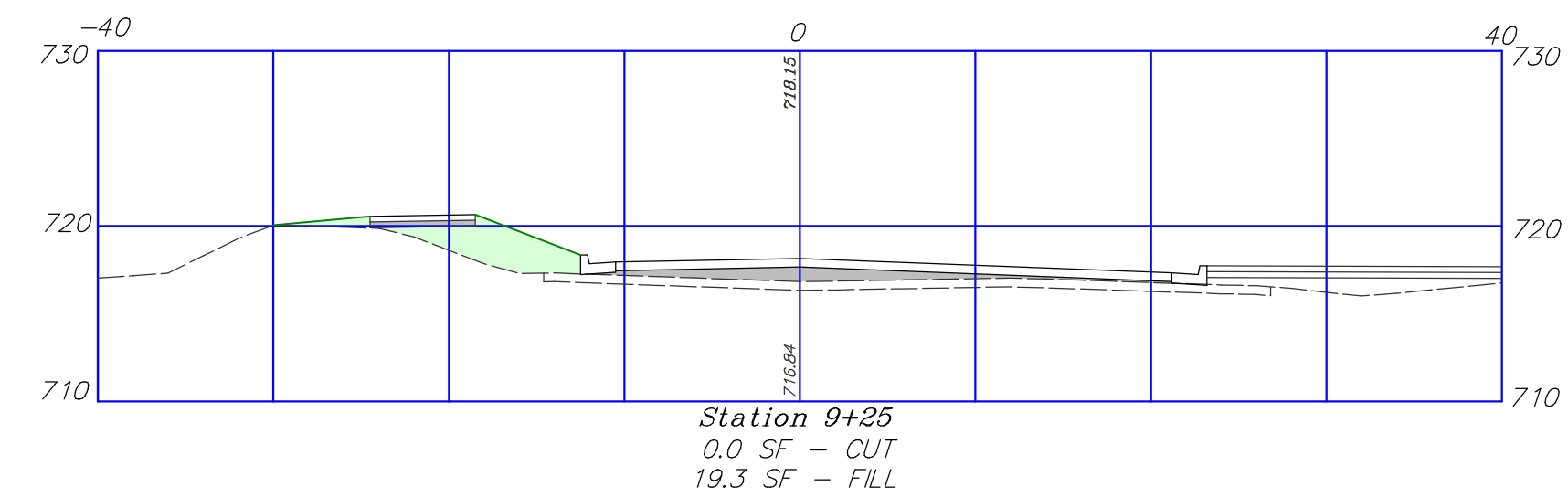
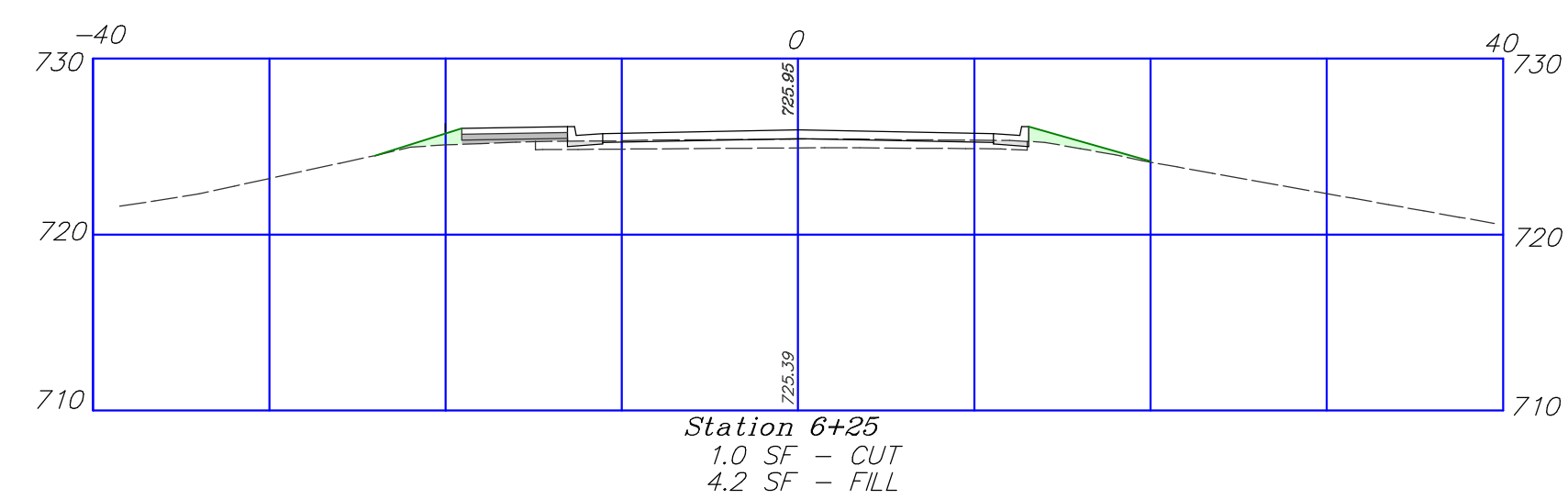
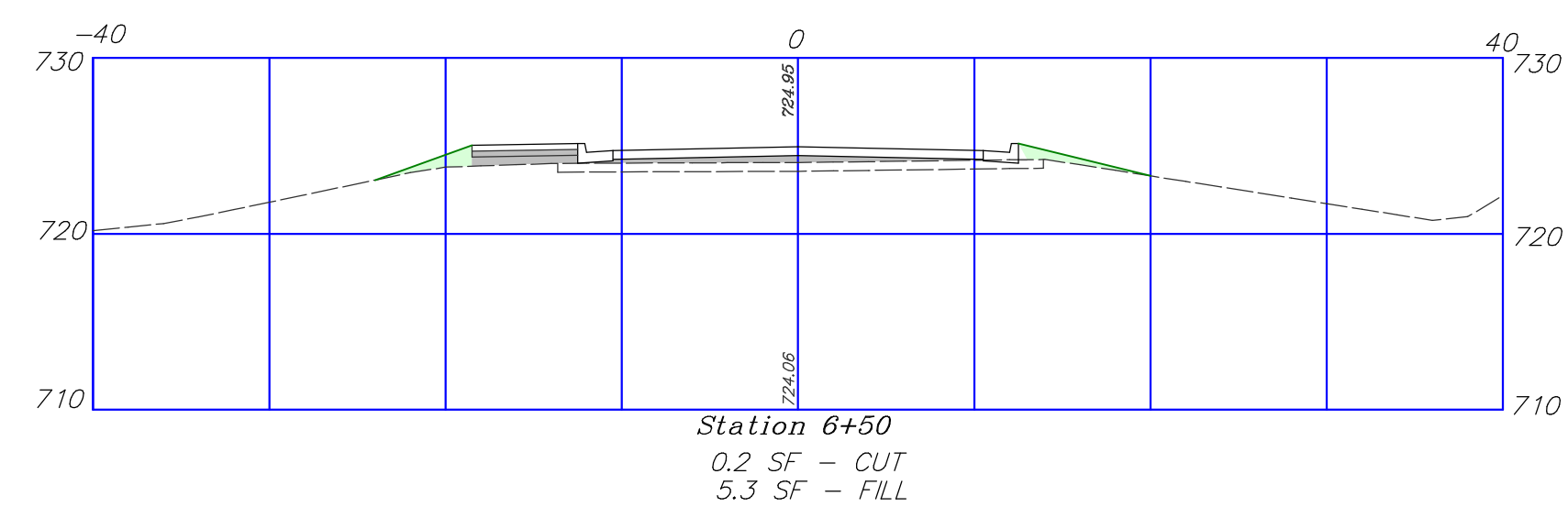
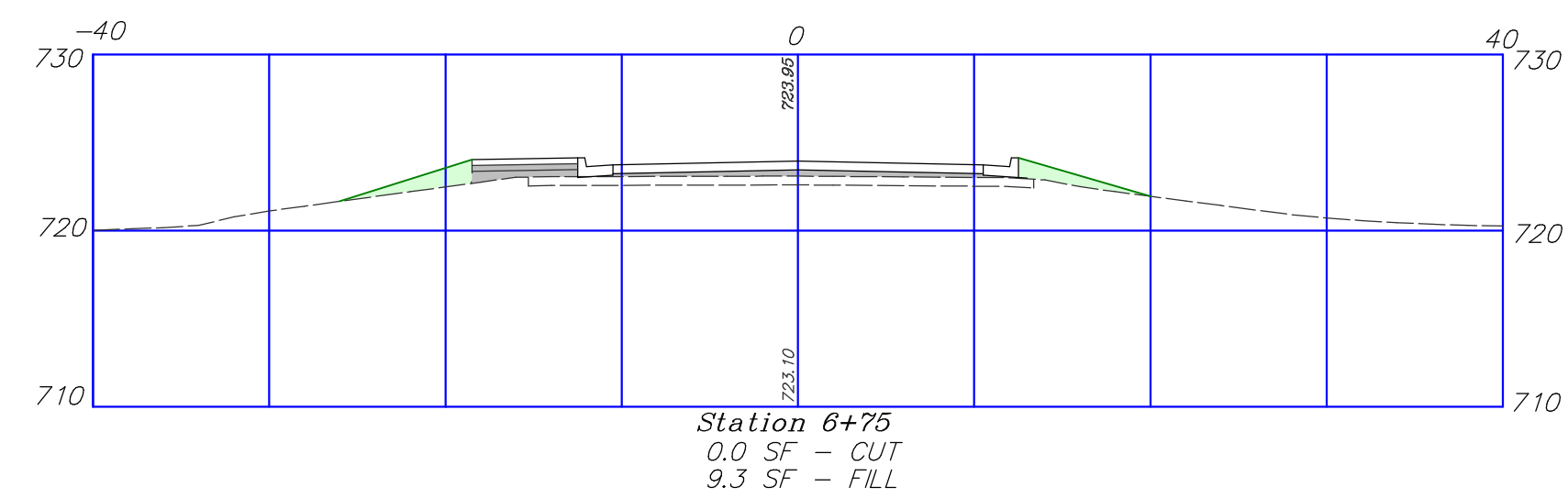
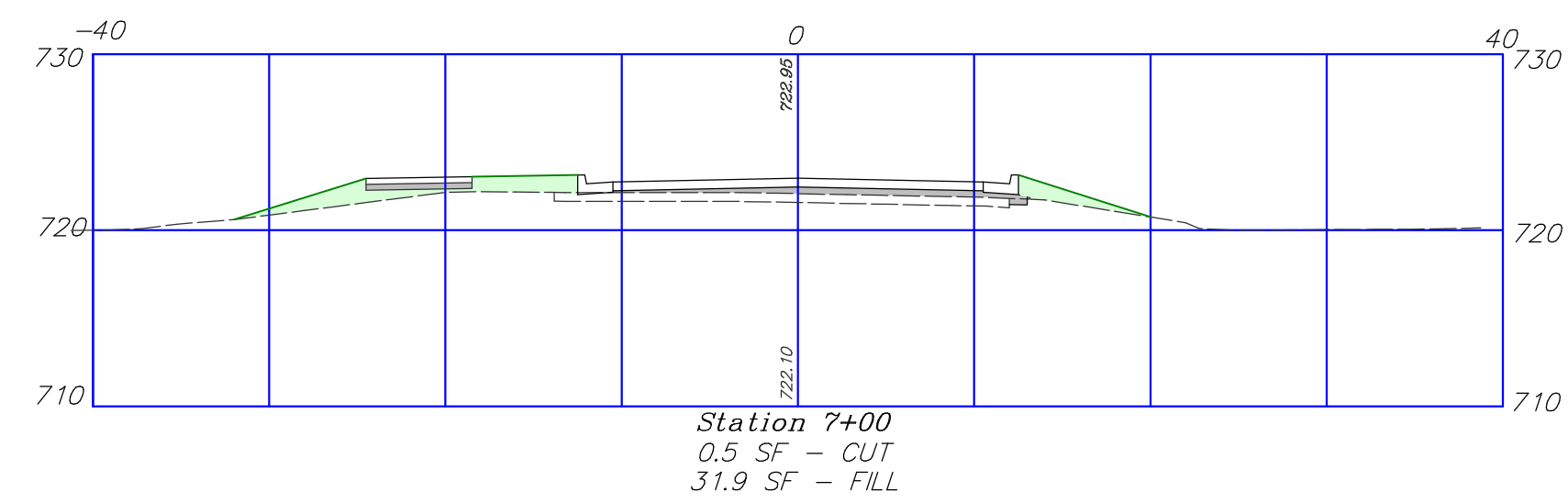
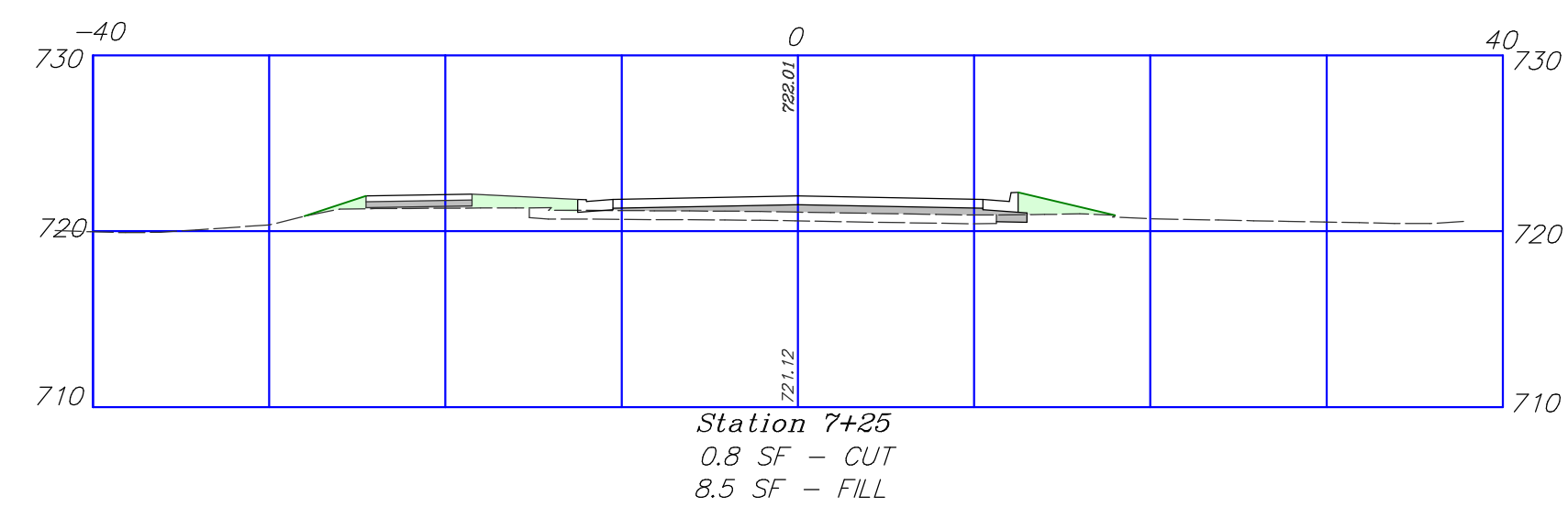
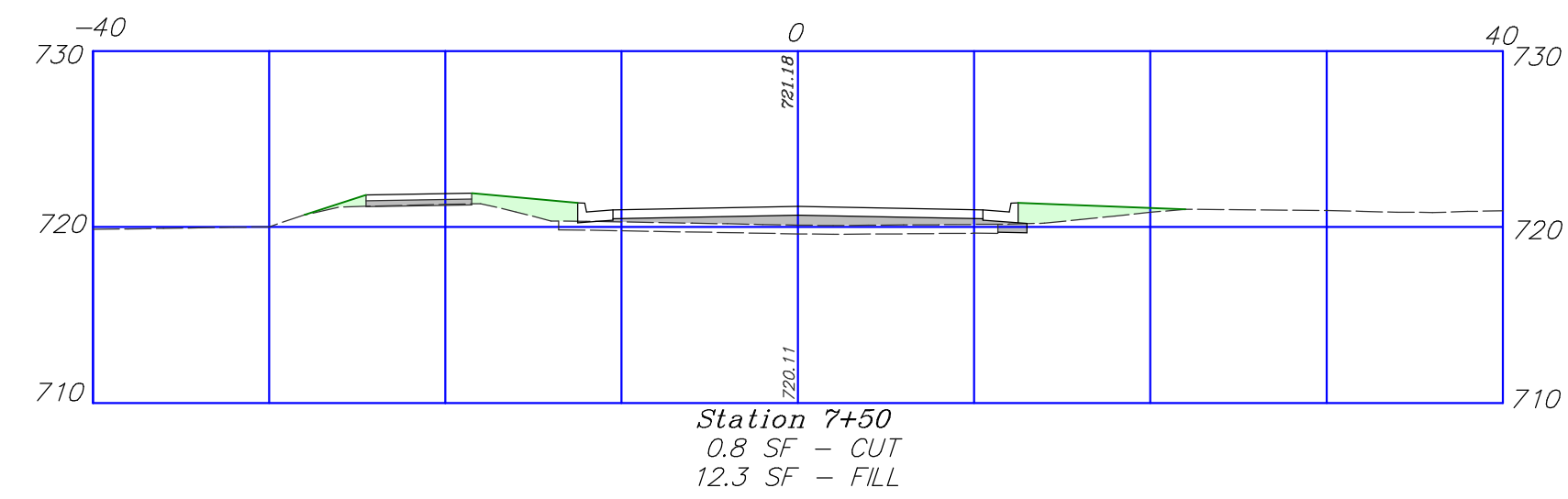
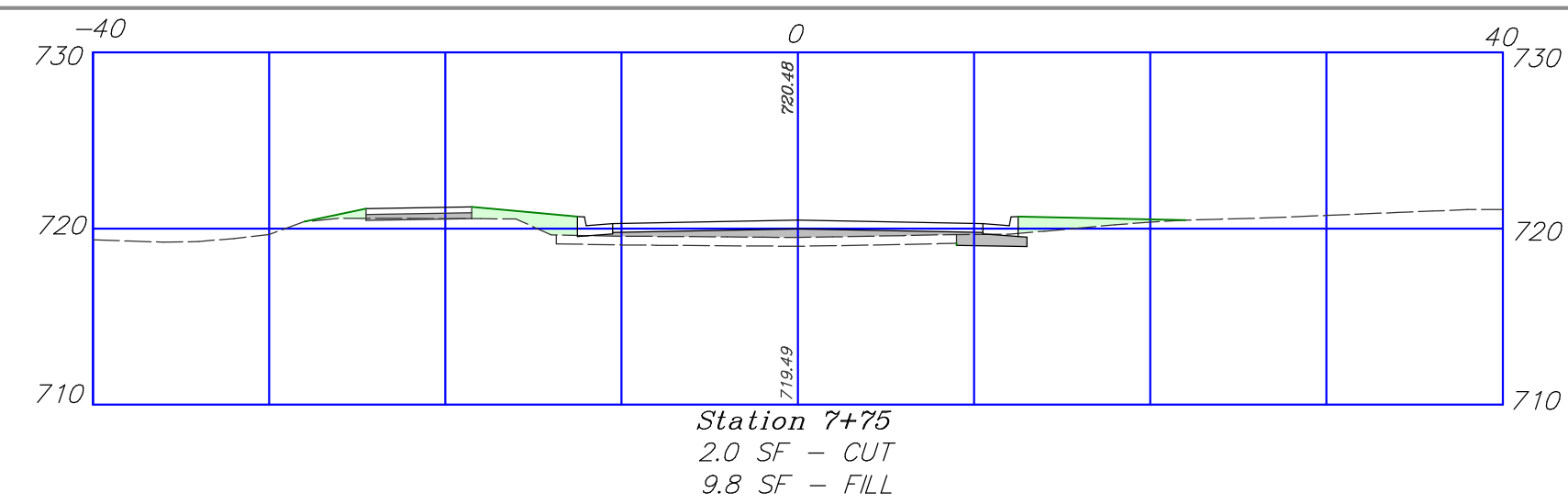
Bockrath & Associates
Engineering and Surveying, LLC
115 S. Fair Avenue, Suite A • Ottawa • Ohio
Phone: 419.523.5789



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	
10/20/25	
SHEET - 6	
OF 10 SHEETS	



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

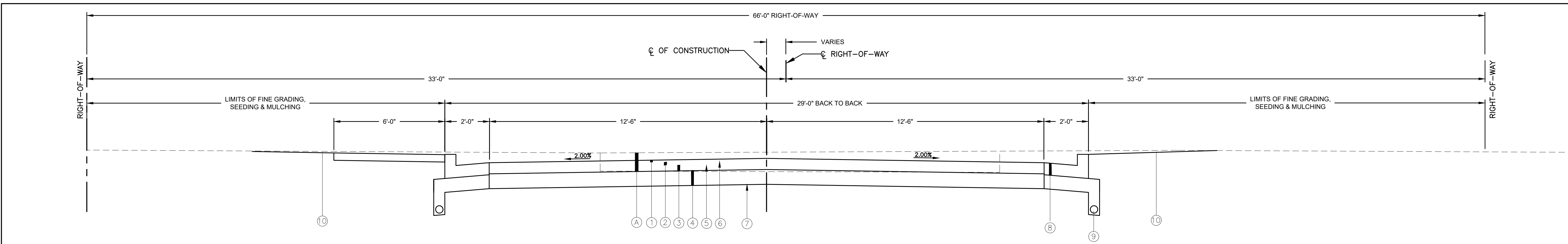
SCALE: 1"=20' (11x17)
SCALE: 1"=10' (24x36)

REVISÉD

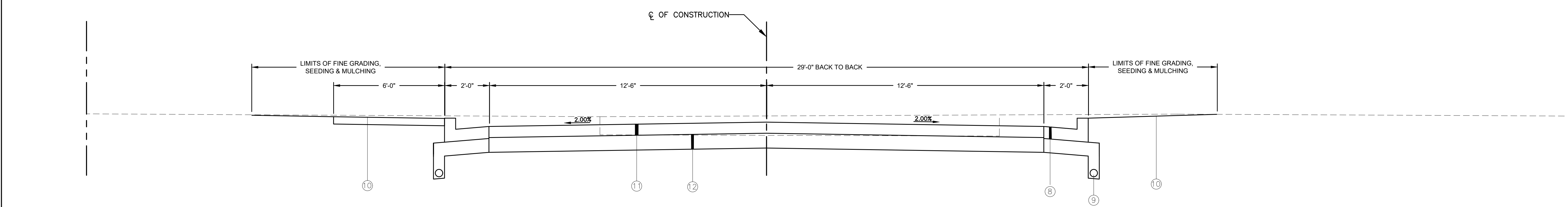
GAB	1/20/26
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DESIGNED BY KMB
10/20/25

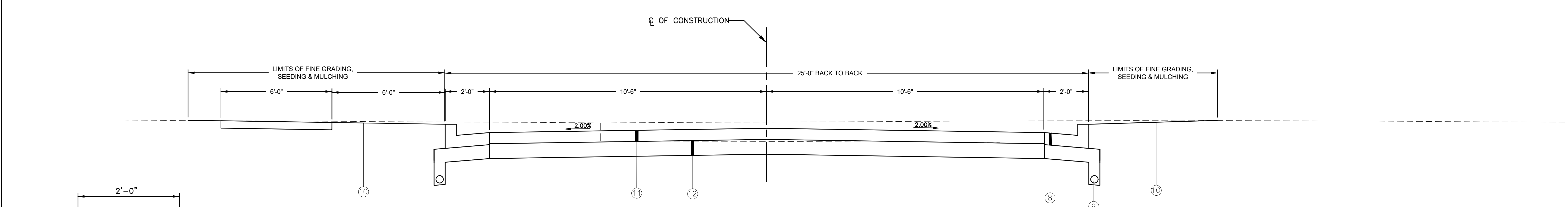
SHEET - 7
OF 10 SHEETS



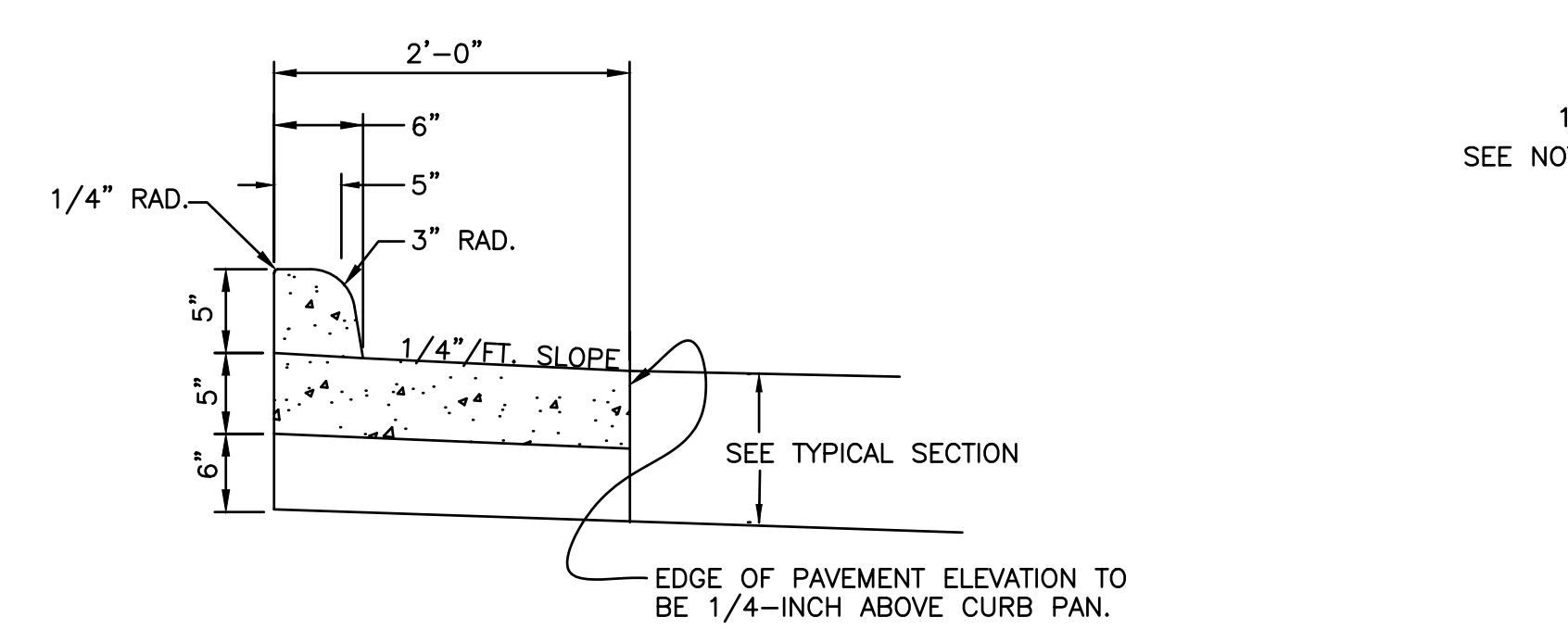
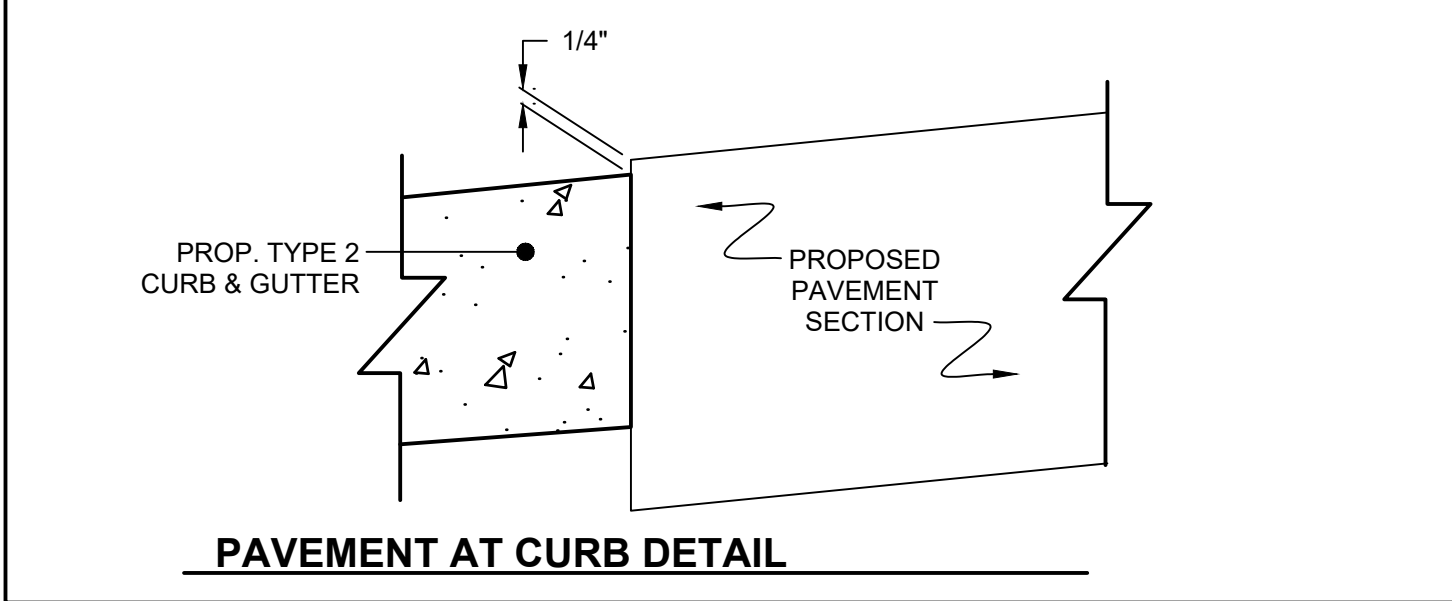
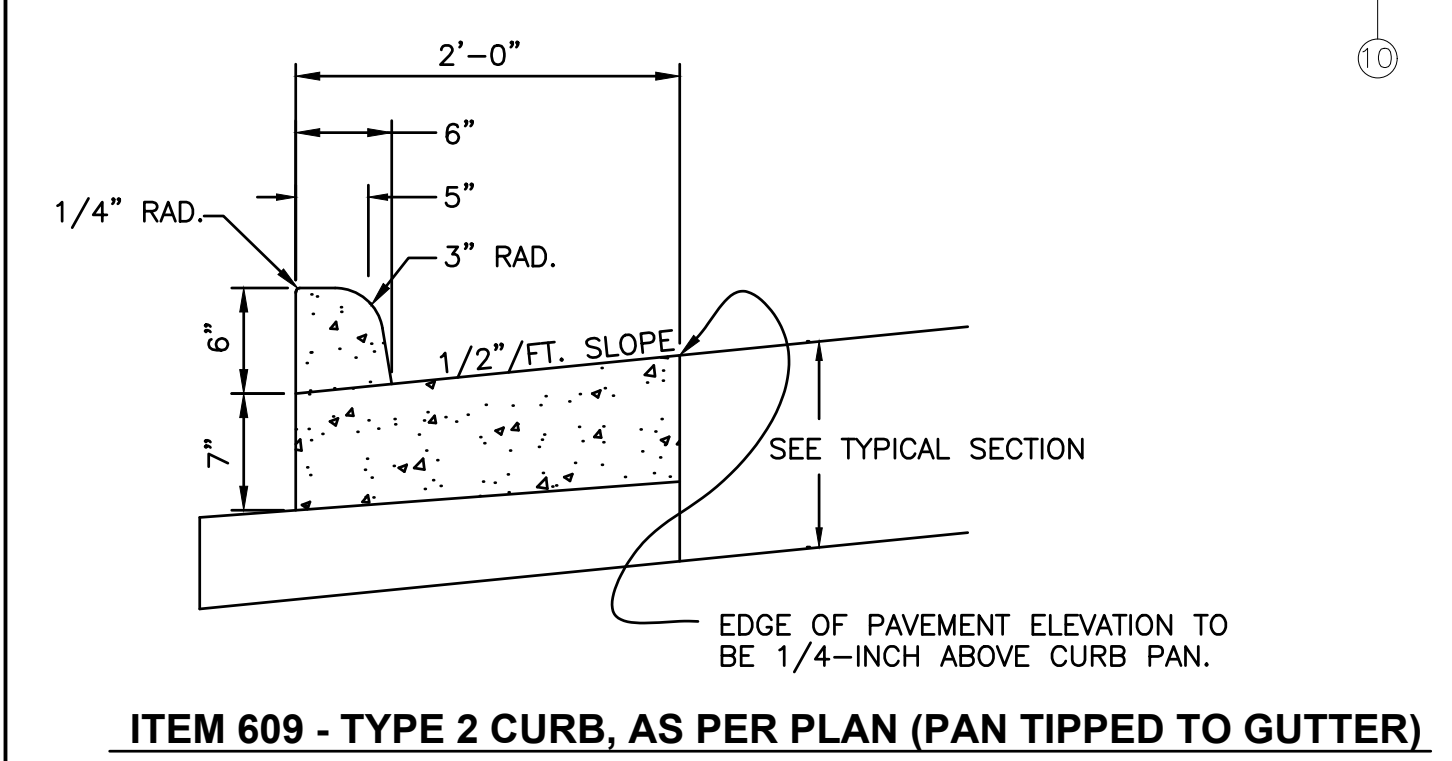
**WATER STREET TYPICAL SECTION
STA. 1+25 TO STA. 4+61.75**



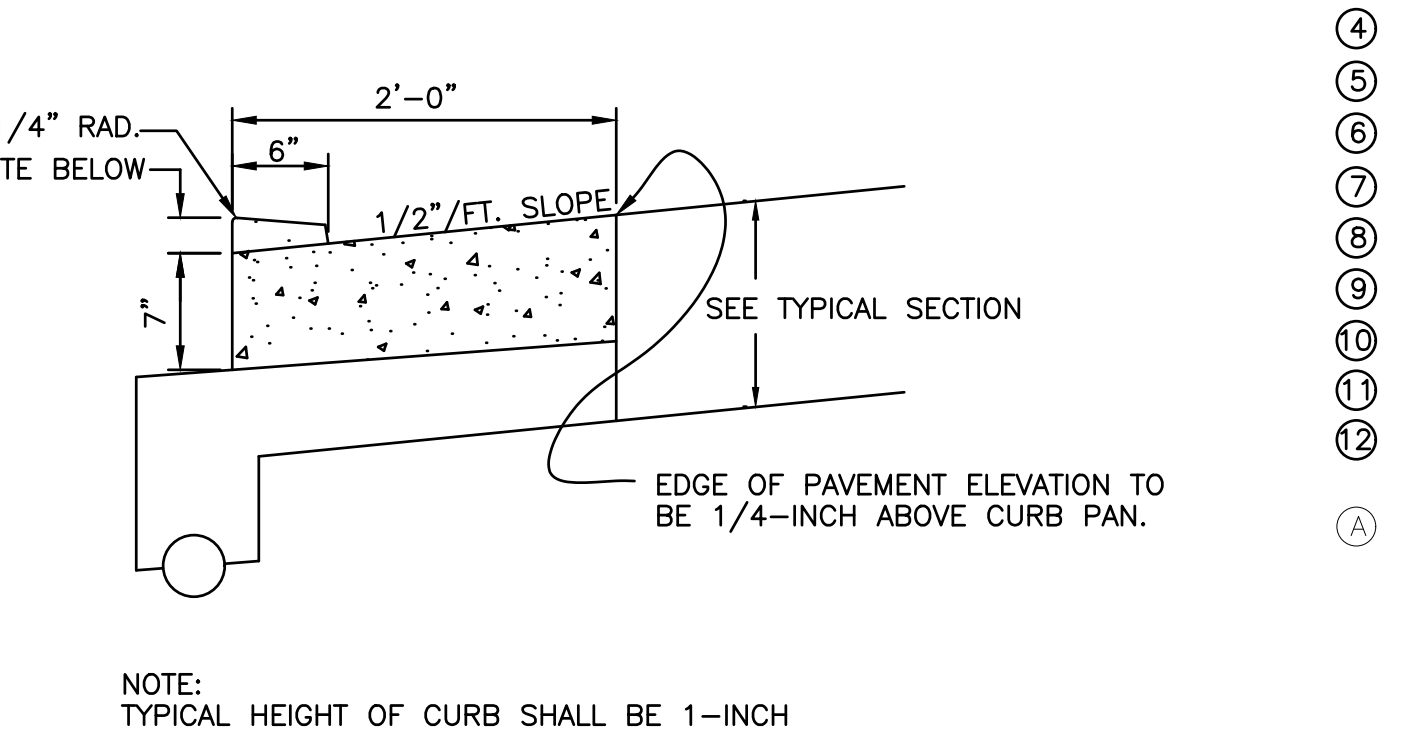
**WATER STREET TYPICAL SECTION
STA. 4+61.75 TO STA. 5+67.47**



**WATER STREET TYPICAL SECTION
STA. 6+50 TO STA. 7+86.73**



ITEM 609 - TYPE 2 CURB, AS PER PLAN (PAN TIPPED AWAY FROM CURB)



ITEM 609 - TYPE 2 CURB, AS PER PLAN (DRIVEWAYS)

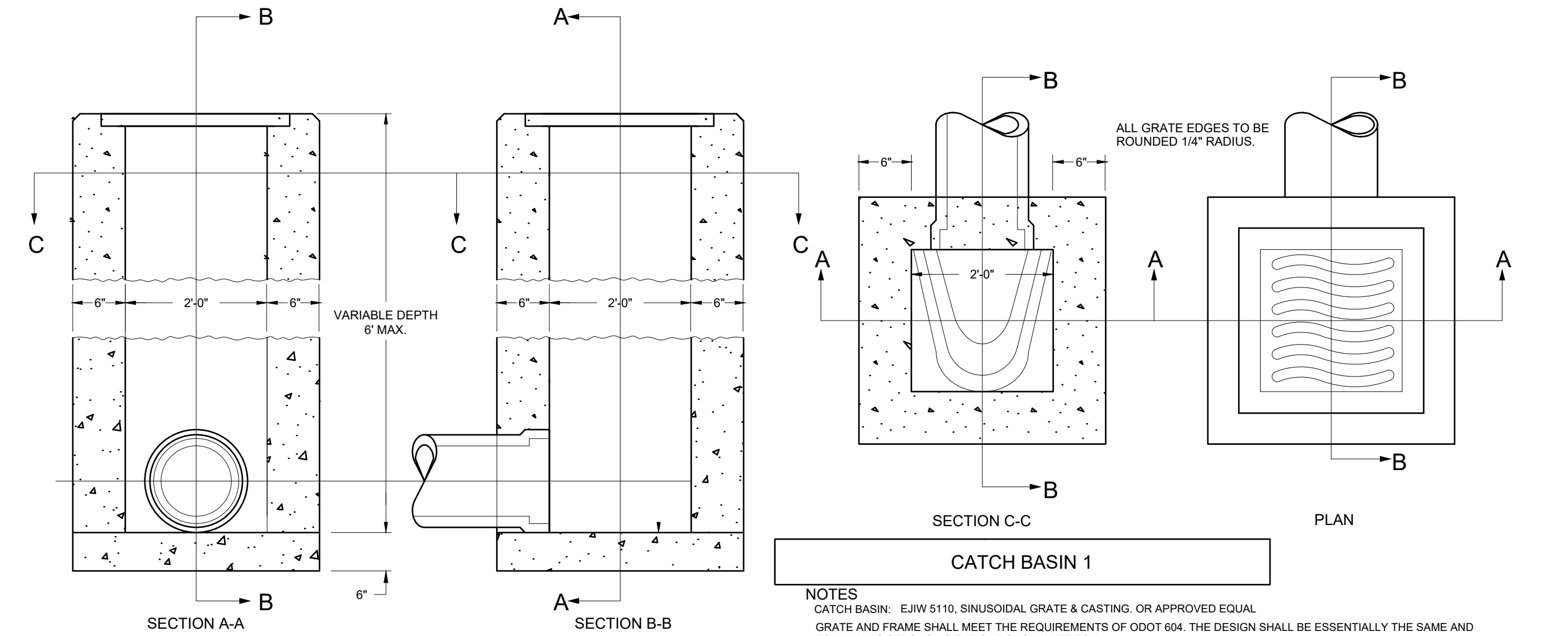
- LEGEND**
- ① ITEM 448 - 1.0" ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, PG 64-22
 - ② ITEM 448 - 2.0" ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PG 64-22
 - ③ ITEM 301 - 3.0" ASPHALT BASE (PG64-22)
 - ④ ITEM 304 - AGGREGATE BASE (THICKNESS VARIES)
 - ⑤ ITEM 407 - TACK COAT
 - ⑥ ITEM 407 - TACK COAT 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

12-2-25 FOR BIDS

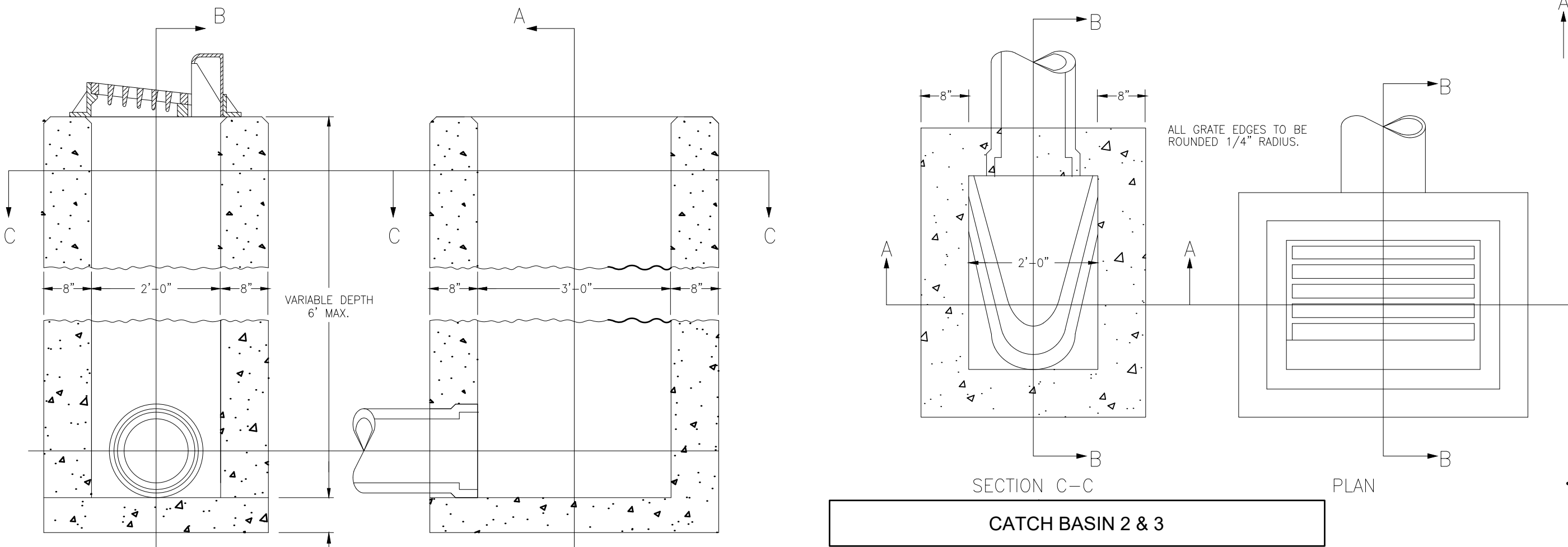
TYPICAL SECTION
KALIDA CANOE LAUNCH
WATER STREET
KALIDA, OHIO 45853

REVISED		
REVIEWED BY:	GAB	2-4-25
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SHEET - 8		
OF 10 SHEETS		

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www.bockrath-es.com



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	TELEPHONE: KALIDA TELEPHONE COMPANY 121 E. MAIN STREET P.O. BOX 188 KALIDA, OHIO 45853 (419) 532.3218
NATURAL GAS: KNG ENERGY, INC. 1700 WESTFIELD DRIVE FINDLAY, OHIO 45840 (800) 434.3427	CABLE TELEVISION: KALIDA TELEPHONE COMPANY 121 E. MAIN STREET P.O. BOX 188 KALIDA, OHIO 45853 (419) 532.3218
WATER AND SEWER: VILLAGE OF KALIDA WATER/SEWER DEPARTMENT KALIDA, OHIO (419) 796.3899	

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.

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.

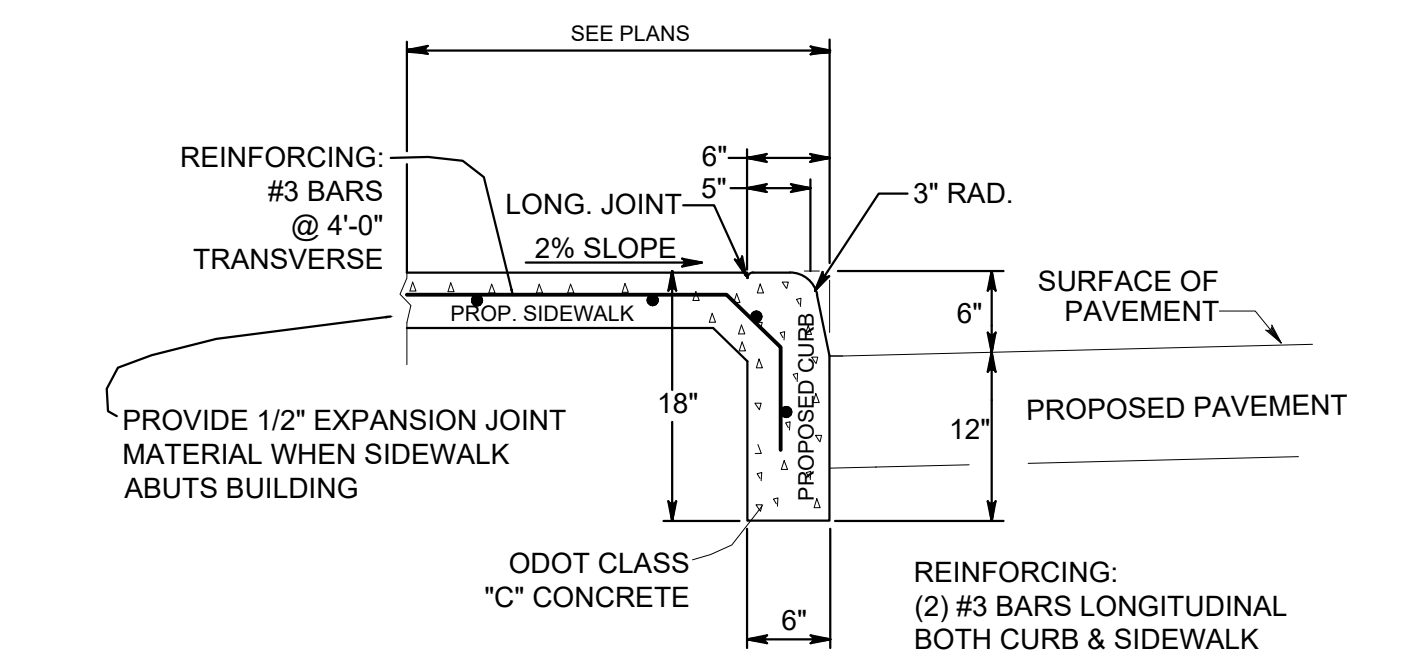
CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

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 ELEVATIONS 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.

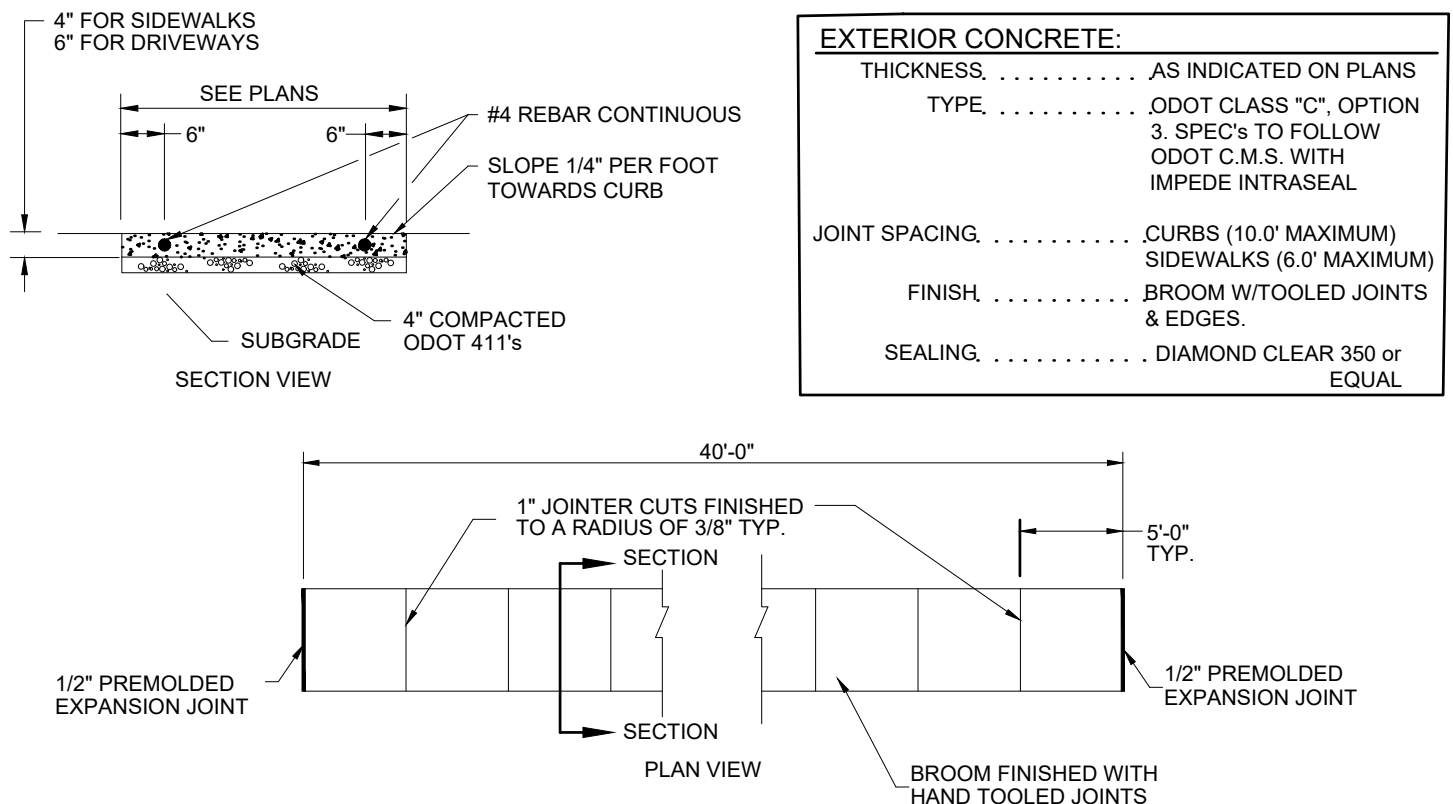
IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

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.



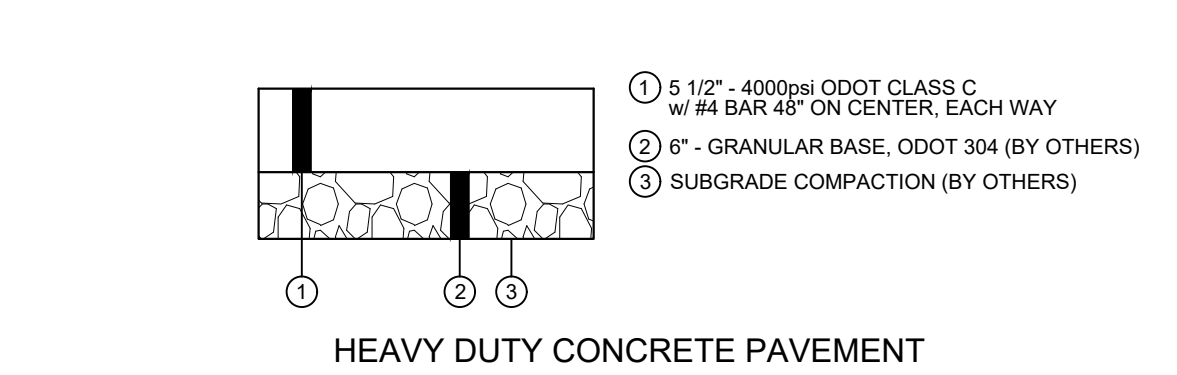
INTEGRAL CURB/SIDEWALK

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.

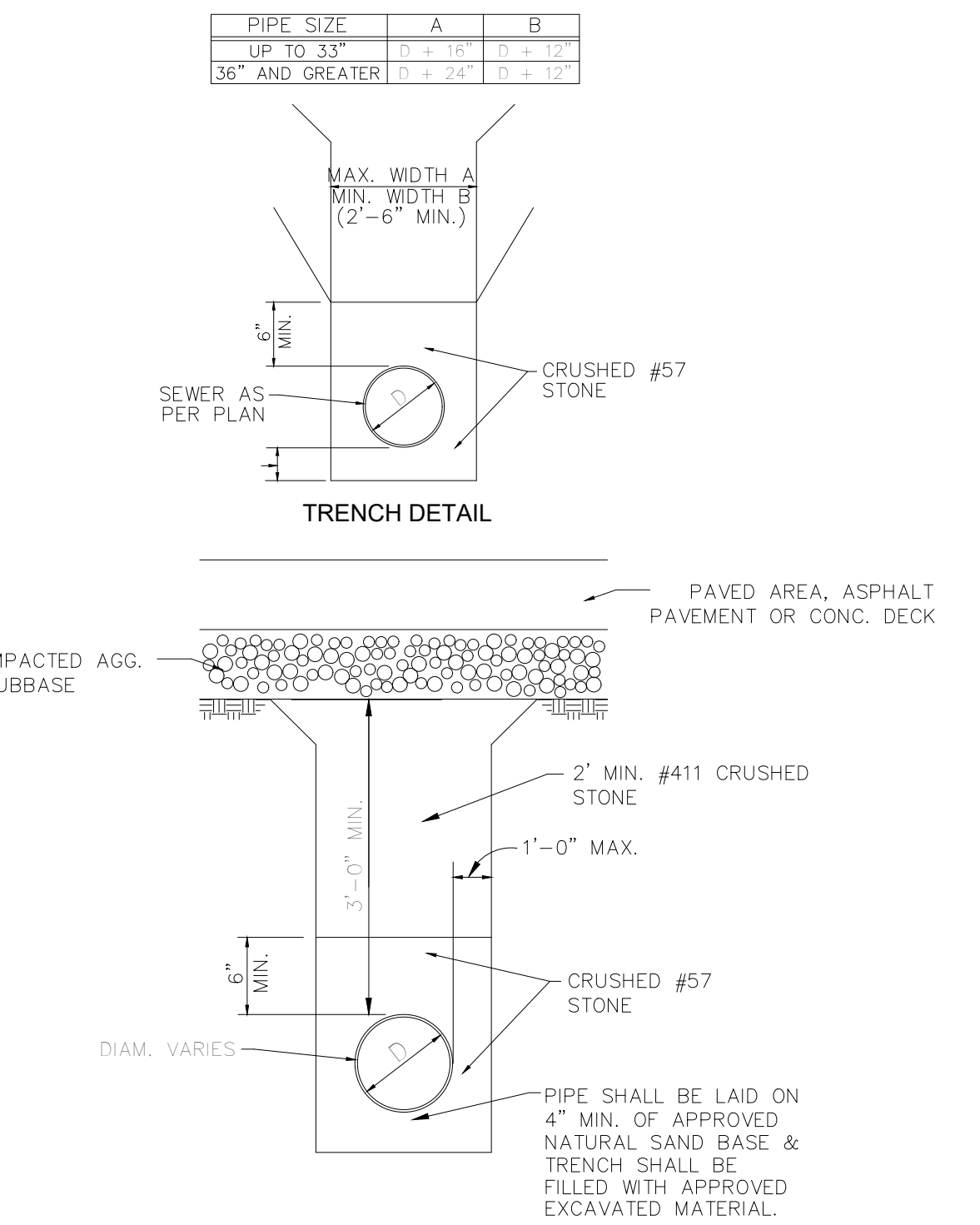


NOTE: INSTALL WITH SNOW MELT SYSTEM LOOP PIPING OVER "THE BARRIER XT - BARRIER X5" INSULATION & VAPOR RETARDER OVER 4" MIN. COMPACTED STONE BASE. SEE MECHANICAL DRAWINGS.

CONCRETE WALK DETAIL



PAVING SPECIFICATIONS



TRENCH DETAILS

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 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.

12-2-25 FOR BIDS

SITE DETAILS & NOTES

KALIDA CANOE LAUNCH

WATER STREET

KALIDA, OHIO 45853

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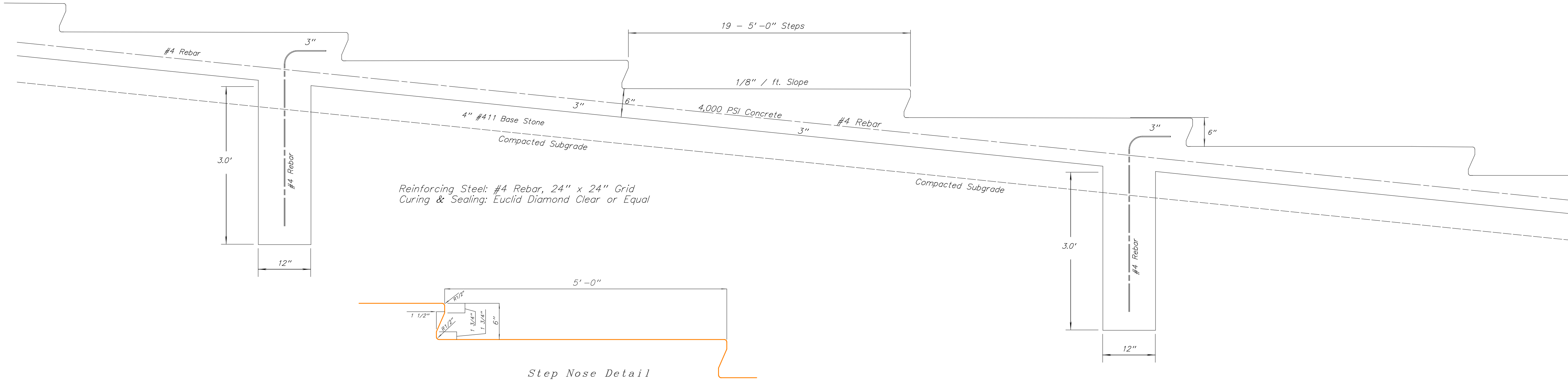
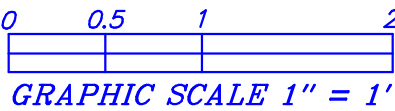
REVISED

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

SHEET - 9
OF 10 SHEETS

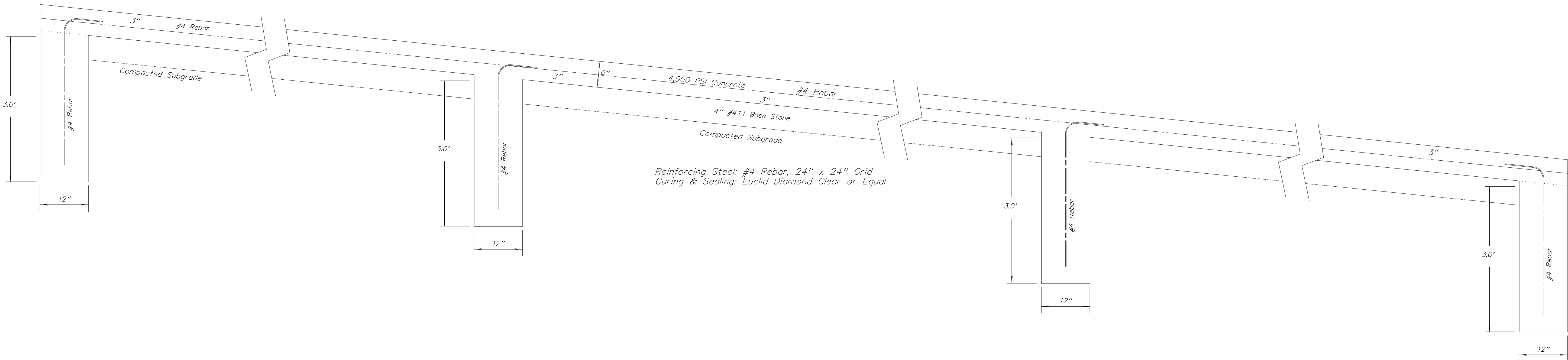
CONCRETE STEP TYPICAL SECTION

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' o/c spacing from bottom
to top with (1) top spacing at 19' -0"



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



Bockrath & Associates
Engineering and Surveying, LLC
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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