

**SPECIAL PROVISIONS  
2026 CITY OF WHEATON  
GABLES BOULEVARD RECONSTRUCTION**



**City of Wheaton  
DuPage County, Illinois**

## GABLES BOULEVARD PROJECT DESCRIPTION

Reconstruction of approximately 4250 SY of pavement with HMA and sub-base stabilization, installation of curb and gutter, along with 600 SY of pavement resurfacing and spot curb replacement. The project also includes removal and replacement of HMA and PCC driveways, PCC sidewalk removal and replacement, ADA corners with detectable panel installation, street light pole and cable relocation, traffic control and protection and pavement striping.

Work also includes replacement of both 8- and 12-inch diameter water main using the directional bore method for trenchless installation, water service reconnection and replacement, hydrant removal and installation, storm manhole and inlet installation, sanitary manhole adjustments, erosion control, and grading.

The project is located in a floodplain and is permitted through DuPage County Storm Water. Construction layout and as-constructed drawings are also part of the project.

## **City of Wheaton Distribution Specifications – As of January 1, 2023**

All Materials shall be as specified below or approved equal, be produced in North America and be the current year model. All brass shall be “No-lead”, meeting the requirements of the Reduction of Lead in Drinking Water Act.

### **Water main**

Unless approved in writing all water main shall be 8" minimum size Class 52 Zinc-coated Ductile Iron pipe.

If PVC water main is allowed, it must be approved in writing and shall be Certa-Lok PVC or equal. The design shall include two #10 Solid Insulated Copper tracer wires that terminate in a Copperhead Tracer Wire Access Box at each end. Shop drawings of the tracer wires must be submitted and approved for all PVC water main.

### **Polyethylene Wrap – Required on all Water Main Installations**

All ductile iron water main and fittings shall be encased with linear low density V-Bio Enhanced polyethylene wrap, 8 mils thick. Polyethylene wrap shall be secured with polyethylene tape at overlaps, ends, and every four feet along the pipe barrel.

### **Fire Hydrants**

Mueller Super Centurian A-421, 4½ inch valve opening with 6-inch flange x mechanical A-2361 resilient wedge valve attached. All bolts shall be stainless steel on all valves and hydrants.

### **Gate Valves**

1. Mueller A-2361 resilient wedge gate valve  
**OR**
2. American Series 2500 resilient wedge valve

### **Mechanical Joints**

EBAA Iron Megalug mechanical joint restraint gland

### **Tapping Valves**

1. Mueller A-2361 flange x mechanical joint resilient wedge valve  
**OR**
2. American Series 2500 flange x mechanical joint resilient wedge valve

### **Tapping Sleeves – All Pressure Connections 4" to 8" Shall Be Done By The City Of Wheaton**

1. Smith-Blair 665 stainless steel tapping sleeve with stainless steel flange  
**OR**
2. Ford FTSS stainless tapping sleeve with stainless steel flange

### **Valve Boxes**

1. Tyler Union 664S screw type cast iron two-piece valve box  
Note: Plastic valve boxes or plastic extensions **are not** allowed
2. Valve Box Adaptor II
  - a. Type A Gate Valves – 4"-6" Mueller, 4"-6"-8" AFC
  - b. Type B Gate Valves – 8" Mueller, 10"-12" AFC
  - c. Type D Gate Valves – 10" Mueller
  - d. Type E Gate Valves – 12" Mueller, 16" AFC
3. Valve box extensions shall be Tyler Union #58, #60 or Tyler Union #69 riser.

### **End Caps**

1. Class "A" pipe: Tyler Union Mechanical Joint Cap.
2. Class "B-C-D" pipe: Tyler Union MJ x PE Dual-Purpose Cutting-in Sleeve with Tyler Union Mechanical Joint Cap.

### **Service Fittings**

1. **Corporation Cock**
  - a. Mueller 300 Ball Corporation Valve B-25000N  
**OR**
    - b. Ford Corporation Stops FB600-size-NL
2. **Corporation Cock Quarter and Eighth Bends –  $\frac{3}{4}$ ", 1",  $1\frac{1}{4}$ ",  $1\frac{1}{2}$ " and 2"**
  - a. Mueller brass with compression ends and swivel nut. Flare nut, non-swivel accepted on sizes where others aren't made. Mueller P-15075N, P-15076N  
**OR**
    - b. Ford brass with compression ends and swivel nut. Flare nut, non-swivel accepted on sizes where others aren't made. Ford LA04-size-NL, L04-size-NL.
3. **Curb Stop**
  - a. Mueller 300 Ball Curb Valve P-25155N  
**OR**
    - b. Ford Ball Valve Curb Stop B44-sizeM-NL
4. **Curb Box**  
Mueller H-10300 curb box with Minneapolis Pattern Base.
5. **Service Saddles**  
Smith-Blair Model 317 Epoxy Coated Ductile Iron with double stainless steel strap.

### **Abandoned Service Repair Clamps**

1. Ford Meter Box Co. – Style FACC  
**OR**
2. Total Piping Solutions, Inc. – Abandoned Corporation Fitting

City of Wheaton  
Engineering Department

**SPECIAL PROVISION  
REMOVAL OF EXISTING PAVEMENT AND EARTHWORK SPOILS**

Effective: 1/1/10

This item shall consist of the removal and disposal of all HMA pavement and unstable or unsuitable material found in the subgrade exposed for replacement of existing pavement or curb and gutter at the locations determined by the Engineer. The work shall be performed in accordance with the applicable section 202 of the Standard Specifications.

The quantities listed in the engineer's estimate assume a 12-inch undercut will be required to stabilize the subgrade. Determination of unsuitable material shall be made by the ENGINEER at the time of construction. Planned quantities might vary depending on conditions.

Payment will not be made for subgrade removal where the unsuitable soil condition was caused by Contractor's failure to adequately protect the excavation or soils and where the unsuitable soil removal was performed without Engineer's approval.

This item shall be paid for at the contract unit price per cubic yard for removal of existing pavement and earthwork spoils, which price shall be considered full compensation for all labor, equipment, and materials necessary for the removal and disposal of the existing pavement and any unsuitable material in the subgrade when in the opinion of the Engineer removal is required, all as directed by the Engineer and herein specified.

City of Wheaton  
Engineering Department

SPECIAL PROVISION  
FOR  
**QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) FOR HOT MIX ASPHALT**

Effective: 1/1/22

The Contractor shall follow all applicable sections of Article 1030.09 with the following exception regarding acceptance of density:

Final Acceptance shall be in accordance with the density specification in the chart in Article 1030.09 (c) Control Limits 2/ DENSITY CONTROL LIMITS of the SSRBC. The DENISTY CONTROL LIMITS chart depicted in the chart in Article 1030.09 (c) Control Limits 2/ of the SSRBC shall supersede the Acceptable Limits for density noted in the SSRBC Article 1030.09 (i) Acceptance by the Engineer (1).

City of Wheaton  
Engineering Department

SPECIAL PROVISION  
FOR  
**HMA PAVEMENT SECTION (14" Section)**

Effective: 1/1/26

This line item shall consist of replacement of HMA pavement as shown on the plan detail. The line item shall cover the cost for placing 4 inches of sub-base gravel, 6.5 inches of HMA Base Course, 2.0 inches of HMA Binder Course, and 1.5 inches of HMA Surface Course.

The contractor shall follow all applicable Articles of the current version of the Standard Specifications for Road and Bridge Construction regarding aggregate and pavement placement.

HMA PAVEMENT SECTION (14" Section) shall be paid for at the contract unit price per **SQUARE YARD**<sup>2</sup>, which price shall be considered full compensation for all labor, equipment, and materials necessary for the placement of all items specified above. Compensation for removal of the existing pavement and earthwork spoils along with the placement of CA-1 aggregate will be paid for separately.

## FRiction AGGREGATE (D1)

Effective: January 1, 2011

Revised: December 1, 2021

Revise Article 1004.03(a) of the Standard Specifications to read:

**“1004.03 Coarse Aggregate for Hot-Mix Asphalt (HMA).** The aggregate shall be according to Article 1004.01 and the following.

(a) Description. The coarse aggregate for HMA shall be according to the following table.

Use	Mixture	Aggregates Allowed
Class A	Seal or Cover	<u>Allowed Alone or in Combination</u> <sup>5/</sup> : Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag Crushed Concrete
HMA Low ESAL	Stabilized Subbase or Shoulders	<u>Allowed Alone or in Combination</u> <sup>5/</sup> : Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag <sup>1/</sup> Crushed Concrete
HMA High ESAL Low ESAL	Binder IL-19.0 or IL-19.0L  SMA Binder	<u>Allowed Alone or in Combination</u> <sup>5/ 6/</sup> : Crushed Gravel Carbonate Crushed Stone <sup>2/</sup> Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Concrete <sup>3/</sup>

Use	Mixture	Aggregates Allowed								
HMA High ESAL Low ESAL	C Surface and Binder IL-9.5 IL-9.5FG or IL-9.5L	<u>Allowed Alone or in Combination</u> <sup>5/</sup> : Crushed Gravel Carbonate Crushed Stone <sup>2/</sup> Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag <sup>4/</sup> Crushed Concrete <sup>3/</sup>								
HMA High ESAL	D Surface and Binder IL-9.5 or IL-9.5FG	<u>Allowed Alone or in Combination</u> <sup>5/</sup> : Crushed Gravel Carbonate Crushed Stone (other than Limestone) <sup>2/</sup> Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag <sup>4/</sup>								
		<u>Other Combinations Allowed:</u>								
		<table border="1"> <thead> <tr> <th><i>Up to...</i></th> <th><i>With...</i></th> </tr> </thead> <tbody> <tr> <td>25% Limestone</td> <td>Dolomite</td> </tr> <tr> <td>50% Limestone</td> <td>Any Mixture D aggregate other than Dolomite</td> </tr> <tr> <td>75% Limestone</td> <td>Crushed Slag (ACBF) or Crushed Sandstone</td> </tr> </tbody> </table>	<i>Up to...</i>	<i>With...</i>	25% Limestone	Dolomite	50% Limestone	Any Mixture D aggregate other than Dolomite	75% Limestone	Crushed Slag (ACBF) or Crushed Sandstone
<i>Up to...</i>	<i>With...</i>									
25% Limestone	Dolomite									
50% Limestone	Any Mixture D aggregate other than Dolomite									
75% Limestone	Crushed Slag (ACBF) or Crushed Sandstone									
HMA High ESAL	E Surface IL-9.5  SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination</u> <sup>5/ 6/</sup> : Crushed Gravel Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag  No Limestone.								
		<u>Other Combinations Allowed:</u>								
		<table border="1"> <thead> <tr> <th><i>Up to...</i></th> <th><i>With...</i></th> </tr> </thead> </table>	<i>Up to...</i>	<i>With...</i>						
<i>Up to...</i>	<i>With...</i>									

Use	Mixture	Aggregates Allowed					
		50% Dolomite <sup>2/</sup>	Any Mixture E aggregate				
		75% Dolomite <sup>2/</sup>	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone				
		75% Crushed Gravel <sup>2/</sup>	Crushed Sandstone, Crystalline Crushed Stone, Crushed Slag (ACBF), or Crushed Steel Slag				
HMA High ESAL	F Surface IL-9.5  SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination</u> <sup>5/ 6/</sup> : Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag No Limestone. <u>Other Combinations Allowed:</u> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">Up to...</th> <th style="width: 50%;">With...</th> </tr> <tr> <td>50% Crushed Gravel<sup>2/</sup> or Dolomite<sup>2/</sup></td> <td>Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone</td> </tr> </table>		Up to...	With...	50% Crushed Gravel <sup>2/</sup> or Dolomite <sup>2/</sup>	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone
Up to...	With...						
50% Crushed Gravel <sup>2/</sup> or Dolomite <sup>2/</sup>	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone						

- 1/ Crushed steel slag allowed in shoulder surface only.
- 2/ Carbonate crushed stone (limestone) and/or crushed gravel shall not be used in SMA Ndesign 80.
- 3/ Crushed concrete will not be permitted in SMA mixes.
- 4/ Crushed steel slag shall not be used as binder.
- 5/ When combinations of aggregates are used, the blend percent measurements shall be by volume.”
- 6/ Combining different types of aggregate will not be permitted in SMA Ndesign 80.”

## **HOT-MIX ASPHALT BINDER AND SURFACE COURSE (D1)**

Effective: November 1, 2019  
Revised: January 1, 2025

Revise Article 1004.03(c) to read:

“(c) Gradation. The coarse aggregate gradations shall be as listed in the following table.

Use	Size/Application	Gradation No.
Class A-1, A-2, & A-3	3/8 in. (10 mm) Seal	CA 16 or CA 20
Class A-1	1/2 in. (13 mm) Seal	CA 15
Class A-2 & A-3	Cover Coat	CA 14
	IL-19.0; Stabilized Subbase IL-19.0	CA 11 <sup>1/</sup>
HMA High ESAL	SMA 12.5 <sup>2/</sup>	CA 13 <sup>4/</sup> , CA 14, or CA 16
	SMA 9.5 <sup>2/</sup>	CA 13 <sup>3/4/</sup> or CA 16 <sup>3/</sup>
	IL-9.5	CA 16, CM 13 <sup>4/</sup>
	IL-9.5FG	CA 16
HMA Low ESAL	IL-19.0L	CA 11 <sup>1/</sup>
	IL-9.5L	CA 16

- 1/ CA 16 or CA 13 may be blended with the CA 11.
- 2/ The coarse aggregates used shall be capable of being combined with the fine aggregates and mineral filler to meet the approved mix design and the mix requirements noted herein.
- 3/ The specified coarse aggregate gradations may be blended.
- 4/ CA 13 shall be 100 percent passing the 1/2 in. (12.5mm) sieve.”

Revise Article 1004.03(e) of the Standard Specifications to read:

“(e) Absorption. For SMA the coarse aggregate shall also have water absorption  $\leq 2.0$  percent.”

Revise the “High ESAL” portion of the table in Article 1030.01 to read:

“High ESAL”	Binder Courses	IL-19.0, IL-9.5, IL-9.5FG, IL-4.75, SMA 12.5, Stabilized Subbase IL-19.0
	Surface Courses	IL-9.5, IL-9.5FG, SMA 12.5, SMA 9.5”

Revise Note 2. and add Note 6 to Article 1030.02 of the Standard Specifications to read:

“Item	Article/Section
(g)Performance Graded Asphalt Binder (Note 6)	1032
(h)Fibers (Note 2)	

Note 2. A stabilizing additive such as cellulose or mineral fiber shall be added to the SMA mixture according to Illinois Modified AASHTO M 325. The stabilizing additive shall meet the Fiber Quality Requirements listed in Illinois Modified AASHTO M 325. Prior to approval and use of fibers, the Contractor shall submit a notarized certification by the producer of these materials stating they meet these requirements. Reclaimed Asphalt Shingles (RAS) may be used in Stone Matrix Asphalt (SMA) mixtures designed with an SBA polymer modifier as a fiber additive if the mix design with RAS included meets AASHTO T305 requirements. The RAS shall be from a certified source that produces either Type I or Type 2. Material shall meet requirements noted herein and the actual dosage rate will be determined by the Engineer.

Note 6. The asphalt binder shall be an SBS PG 76-28 when the SMA is used on a full-depth asphalt pavement and SBS PG 76-22 when used as an overlay, except where modified herein. The asphalt binder shall be a SBS PG 76-22 for IL-4.75, except where modified herein..”

Revise table in Article 1030.05(a) of the Standard Specifications to read:

Sieve Size	"MIXTURE COMPOSITION (% PASSING) <sup>1/</sup>											
	IL-19.0 mm		SMA 12.5		SMA 9.5		IL-9.5mm		IL-9.5FG		IL-4.75 mm	
	min	max	min	max	min	max	min	max	min	max	min	max
1 1/2 in (37.5 mm)												
1 in. (25 mm)		100										
3/4 in. (19 mm)	90	100		100								
1/2 in. (12.5 mm)	75	89	80	100		100		100		100		100
3/8 in. (9.5 mm)				65	90	100	90	100	90	100		100
#4 (4.75 mm)	40	60	20	30	36	50	34	69	60	75 <sup>6/</sup>	90	100
#8 (2.36 mm)	20	42	16	24 <sup>4/</sup>	16	32 <sup>4/</sup>	34 <sup>5/</sup>	52 <sup>2/</sup>	45	60 <sup>6/</sup>	70	90
#16 (1.18 mm)	15	30					10	32	25	40	50	65
#30 (600 $\mu\text{m}$ )			12	16	12	18			15	30		
#50 (300 $\mu\text{m}$ )	6	15					4	15	8	15	15	30
#100 (150 $\mu\text{m}$ )	4	9					3	10	6	10	10	18
#200 (75 $\mu\text{m}$ )	3.0	6.0	7.0	9.0 <sup>3/</sup>	7.5	9.5 <sup>3/</sup>	4.0	6.0	4.0	6.5	7.0	9.0 <sup>3/</sup>
#635 (20 $\mu\text{m}$ )			$\leq 3.0$		$\leq 3.0$							
Ratio Dust/Asphalt Binder		1.0		1.5		1.5		1.0		1.0		1.0

- 1/ Based on percent of total aggregate weight.
- 2/ The mixture composition shall not exceed 44 percent passing the #8 (2.36 mm) sieve for surface courses with  $N_{\text{design}} = 90$ .
- 3/ Additional minus No. 200 (0.075 mm) material required by the mix design shall be mineral filler, unless otherwise approved by the Engineer.
- 4/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted above the percentage stated on the table.
- 5/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted below 34 percent.

6/ When the mixture is used as a binder, the maximum shall be increased by 0.5 percent passing."

Revise Article 1030.05(b) of the Standard Specifications to read:

(b) Volumetric Requirements. The target value for the air voids of the HMA shall be 4.0 percent, for IL-4.75 and SMA mixtures it shall be 3.5 percent and for Stabilized Subbase it shall be 3.0 percent at the design number of gyrations. The voids in the mineral aggregate (VMA) and voids filled with asphalt binder (VFA) of the HMA design shall be based on the nominal maximum size of the aggregate in the mix and shall conform to the following requirements.

Mix Design	Voids in the Mineral Aggregate (VMA), % Minimum for N <sub>design</sub>				
	30	50	70	80	90
IL-19.0		13.5	13.5		13.5
IL-9.5		15.0	15.0		
IL-9.5FG		15.0	15.0		
IL-4.75 <sup>1/</sup>		18.5			
SMA-12.5 <sup>1/2/5/</sup>				17.0 <sup>3/</sup> /16.0 <sup>4/</sup>	
SMA-9.5 <sup>1/2/5/</sup>				17.0 <sup>3/</sup> /16.0 <sup>4/</sup>	
IL-19.0L	13.5				
IL-9.5L	15.0				

- 1/ Maximum draindown shall be 0.3 percent according to Illinois Modified AASHTO T 305.
- 2/ The draindown shall be determined at the JMF asphalt binder content at the mixing temperature plus 30°F.
- 3/ Applies when specific gravity of coarse aggregate is  $\geq 2.760$ .
- 4/ Applies when specific gravity of coarse aggregate is  $< 2.760$ .
- 5/ For surface course, the coarse aggregate can be crushed steel slag, crystalline crushed stone or crushed sandstone. For binder course, coarse aggregate shall be crushed stone (dolomite), crushed gravel, crystalline crushed stone, or crushed sandstone"

Revise the last paragraph of Article 1102.01 (a) (5) of the Standard Specifications to read:

"IL-4.75 and Stone Matrix Asphalt (SMA) mixtures which contain aggregate having absorptions greater than or equal to 2.0 percent, or which contain steel slag sand, shall have minimum surge bin storage plus haul time of 1.5 hours."

Revise the first and second paragraphs of Articles 1030.06(c)(2) of the Standard Specifications to read:

"(2) Personnel. The Contractor shall provide a QC Manager who shall have overall responsibility and authority for quality control. This individual shall maintain active certification as a Hot-Mix Asphalt Level II technician.

In addition to the QC Manager, the Contractor shall provide sufficient personnel to perform the required visual inspections, sampling, testing, and documentation in a timely manner. Mix designs shall be developed by personnel with an active certification as a Hot-Mix Asphalt Level III technician. Technicians performing mix design testing and plant sampling/testing shall maintain active certification as a Hot-Mix Asphalt Level I technician. The Contractor may provide a technician trainee who has successfully completed the Department's "Hot-Mix Asphalt Trainee Course" to assist in the activities completed by a Hot-Mix Asphalt Level I technician for a period of one year after the course completion date. The Contractor may also provide a Gradation Technician who has successfully completed the Department's "Gradation Technician Course" to run gradation tests only under the supervision of a Hot-Mix Asphalt Level II Technician. The Contractor shall provide a Hot-Mix Asphalt Density Tester who has successfully completed the Department's "Nuclear Density Testing" course to run all nuclear density tests on the job site."

Add Article 1030.06(d)(3) to the Standard Specifications to read:

"(3) The Contractor shall take possession of any Department unused backup or dispute resolution HMA mixture samples or density specimens upon notification by the Engineer. The Contractor shall collect the HMA mixture samples or density specimens from the location designated by the Engineer. The HMA mixture samples or density specimens may be added to RAP stockpiles according to Section 1031."

Revise the second paragraph of Articles 1030.07(a)(11) and 1030.08(a)(9) of the Standard Specifications to read:

"When establishing the target density, the HMA maximum theoretical specific gravity (Gmm) will be based on the running average of four available Department test results for that project. If less than four Gmm test results are available, an average of all available Department test results for that project will be used. The initial Gmm will be the last available Department test result from a QMP project. If there is no available Department test result from a QMP project, the Department mix design verification test

result will be used as the initial Gmm."

Revise the following table and notes in Article 1030.09 (c) of the Standard Specifications to read:

Parameter	CONTROL LIMITS					
	IL-19.0, IL-9.5, IL-9.5FG, IL-19.0L, IL-9.5L		SMA-12.5, SMA-9.5		IL-4.75	
	Individual Test	Moving Avg. of 4	Individual Test	Moving Avg. of 4	Individual Test	Moving Avg. of 4
% Passing <sup>1/</sup>						
1/2 in. (12.5 mm)	± 6 %	± 4 %	± 6 %	± 4 %		
3/8 in. (9.5mm)			± 4 %	± 3 %		
# 4 (4.75 mm)	± 5 %	± 4 %	± 5 %	± 4 %		
# 8 (2.36 mm)	± 5 %	± 3 %	± 4 %	± 2 %		
# 16 (1.18 mm)			± 4 %	± 2 %	± 4 %	± 3 %
# 30 (600 µm)	± 4 %	± 2.5 %	± 4 %	± 2.5 %		
Total Dust Content # 200 (75 µm)	± 1.5 %	± 1.0 %			± 1.5 %	± 1.0 %
Asphalt Binder Content	± 0.3 %	± 0.2 %	± 0.2 %	± 0.1 %	± 0.3 %	± 0.2 %
Air Voids <sup>2/</sup>	± 1.2 %	± 1.0 %	± 1.2 %	± 1.0 %	± 1.2 %	± 1.0 %
Field VMA <sup>3/</sup>	-0.7 %	-0.5 %	-0.7 %	-0.5 %	-0.7 %	-0.5 %

1/ Based on washed ignition oven or solvent extraction gradation.

2/ The air voids target shall be a value equal to or between 3.2 % and 4.8 %.

3/ Allowable limit below minimum design VMA requirement.

Revise Article 1030.09(g)(2) of the Standard Specifications to read:

"(2) The Contractor shall complete split verification sample tests listed in the Limits of Precision table in Article 1030.09(h)(1)."

In the Supplemental Specifications, replace the revision for the end of the third paragraph of Article 1030.09(h)(2) with the following:

"When establishing the target density, the HMA maximum theoretical specific gravity (Gmm) will be the Department mix design verification test result."

Add after third sentence of Article 1030.09(b) to read:

"If the Contractor and Engineer agree the nuclear density test method is not appropriate for the mixture, cores shall be taken at random locations determined according to the QC/QA document "Determination of Random Density Test Site Locations". Core densities shall be determined using the Illinois Modified AASHTO T 166 or T 275 procedure."

Revise Table 1 and Note 4/ of Table 1 in Article 406.07(a) of the Standard Specifications to read:

	Breakdown/Intermediate Roller (one of the following)	Final Roller (one or more of the following)	Density Requirement
IL-9.5, IL-9.5FG, IL-19.0 <sup>1/</sup>	V <sub>D</sub> , P, T <sub>B</sub> , 3W, O <sub>T</sub> , O <sub>B</sub>	V <sub>S</sub> , T <sub>B</sub> , T <sub>F</sub> , O <sub>T</sub>	As specified in Section 1030
IL-4.75 and SMA <sub>3/ 4/</sub>	T <sub>B</sub> , 3W, O <sub>T</sub>	T <sub>F</sub> , 3W	As specified in Section 1030
Mixtures on Bridge Decks <sup>2/</sup>	T <sub>B</sub>	T <sub>F</sub>	As specified in Articles 582.05 and 582.06.

"4/ The Contractor shall provide a minimum of two steel-wheeled tandem rollers (T<sub>B</sub>), and/or three-wheel (3W) rollers for breakdown, except one of the (T<sub>B</sub>) or (3W) rollers shall be 84 inches (2.14 m) wide and a weight of 315 pound per linear inch (PLI) (5.63 kg/mm) and one of the (T<sub>B</sub>) or (3W) rollers can be substituted for an oscillatory roller (O<sub>T</sub>). T<sub>F</sub> rollers shall be a minimum of 280 lb/in. (50 N/mm). The 3W and T<sub>B</sub> rollers shall be operated at a uniform speed not to exceed 3 mph (5 km/h), with the drive roll for T<sub>B</sub> rollers nearest the paver and maintain an effective rolling distance of not more than 150 ft (45 m) behind the paver."

Add the following after the fourth paragraph of Article 406.13 (b):

"The plan quantities of SMA mixtures shall be adjusted using the actual approved binder and surface Mix Design's Gmb."

Revise first paragraph of Article 1030.10 of the Standard Specifications to read:

"A test strip of 300 ton (275 metric tons), except for SMA mixtures it will be 400 ton (363 metric ton), will be required for each mixture on each contract at the beginning of HMA production for each construction year according to the Manual of Test Procedures for Materials "Hot Mix Asphalt Test Strip Procedures". At the request of the Producer, the Engineer may waive the test strip if previous construction during the current construction year has demonstrated the constructability of the mix using Department test results."

Revise fourth paragraph of Article 1030.10 of the Standard Specifications to read:

"When a test strip is constructed, the Contractor shall collect and split the mixture according to the document "Hot-Mix Asphalt Test Strip Procedures". The Engineer, or a

representative, shall deliver split sample to the District Laboratory for verification testing. The Contractor shall complete mixture tests stated in Article 1030.09(a). Mixture sampled shall include enough material for the Department to conduct mixture tests detailed in Article 1030.09(a) and in the document "Hot-Mix Asphalt Mixture Design Verification Procedure" Section 3.3. The mixture test results shall meet the requirements of Articles 1030.05(b) and 1030.05(d), except Hamburg wheel tests will only be conducted on High ESAL mixtures during production."

City of Wheaton  
Engineering Department

SPECIAL PROVISION  
FOR  
**GRADING**

Effective: 12/15/25

The contractor shall grade parkways and all surfaces shown on the plan sheets to meet the proposed elevations. Any removal of excess materials is considered included in this line item.

Payment for work will be per **LUMP SUM (LS) GRADING** which price shall include, all labor, equipment, and materials necessary for grading of parkways and other sections along the roadway as indicated on the plans.

City of Wheaton  
Engineering Department

SPECIAL PROVISION  
FOR  
**(CA-1) 3" STONE- 12" SPECIAL**

Effective: 1/1/10

This item shall consist of the replacement of unstable or unsuitable material found in the subgrade exposed for curb and gutter replacement or pavement reconstruction as approved by the ENGINEER. The area and depth of subgrade removal shall be determined by the ENGINEER at the time of construction. Replacement shall consist of installing coarse aggregate material to receive the required base course. The coarse aggregate material shall be CA-1 gradation. The maximum depth of excavation shall be 12 inches below subgrade, CONTRACTOR shall notify ENGINEER prior to further work

This work will be paid for at the contract unit price per SQUARE YARD, measured in place at time of construction, for **(CA-1) 3" STONE- 12" SPECIAL** which price shall include all equipment, labor and material required to complete the above described work

City of Wheaton  
Engineering Department

SPECIAL PROVISION  
FOR  
**2- INCH MILL AND OVERLAY AT NORTH END**

Effective: 12/15/25

This line item includes the removal of all asphalt or concrete material and underlying road fabric material (petromat) on the pavement surface.

This item shall be paid for at the contract unit price per **SQUARE YARD** for **2- INCH MILL AND OVERLAY AT NORTH END** which price shall be considered full compensation for all labor, equipment, and materials necessary for the removal and disposal of the existing pavement.

City of Wheaton  
Engineering Department

SPECIAL PROVISION  
FOR  
**Geofabric- Marafi RSi Series**

Effective: 1/1/2026

**Geofabric- Marafi RSi Series**

This work shall consist of furnishing and placing Geofabric following the removal of unsuitable material to stabilize the base prior to placement of CA-1 stone. The placement is provided on a detail in the plan set and as directed by the Engineer.

The product specified is the Mirafi RSi Series or approved equal for soil stabilization or approved equal. The material selected must meet or exceed the following standards provided below:

MIRAFI® RS280i is a revolutionary geosynthetic with orange identification yarns and super high-tenacity polypropylene filaments formed into an innovative weave to provide superior reinforcement strength and soil interaction integrated with high water flow and soil retention capabilities.

TenCate Geosynthetics Americas (A Solmax Company) is accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)).

MIRAFI RS280i meets Build America, Buy America Act, Pub. L. No. 117-58, div. G §§ 70901-52.

MECHANICAL PROPERTIES	TEST METHOD	UNIT	MINIMUM AVERAGE ROLL VALUE			
			MD	CD		
Tensile Strength (at 2% strain)	ASTM D4595	lbs/ft (kN/m)	600 (8.8)	660 (9.6)		
Tensile Strength (at 5% strain)	ASTM D4595	lbs/ft (kN/m)	1620 (23.6)	1632 (23.8)		
Grab Tensile Strength	ASTM D4632	lbs (N)	450 (2003)	320 (1424)		
Grab Tensile Elongation	ASTM D4632	%	12	10		
Trapezoid Tear Strength	ASTM D4533	lbs (N)	150 (668)	160 (712)		
CBR Puncture Strength	ASTM D6241	lbs (N)	1300 (5785)			
MINIMUM ROLL VALUE						
Flow Rate	ASTM D4491	gal/min/ft <sup>2</sup> (l/min/m <sup>2</sup> )	70 (2852)			
Permittivity	ASTM D4491	sec <sup>-1</sup>	0.9			
TYPICAL ROLL VALUE						
Pore Size O <sub>35</sub>	ASTM D6767	microns	360			
Pore Size O <sub>50</sub>	ASTM D6767	microns	220			
MAXIMUM OPENING SIZE						
Apparent Opening Size (AOS)	ASTM D4751	U.S. Sieve (mm)	40 (0.425)			
MINIMUM TEST VALUE						
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	90			
Interaction Coefficient <sup>1</sup>	ASTM D6706	--	0.89			
Factory Sewn Seam	ASTM D4884	lbs/ft (kN/m)	2400 (35.0)			
PHYSICAL PROPERTIES						
UNIT						
Roll Dimensions (width x length)		ft (m)	15 x 300 (4.5 x 91)			
			17 x 300 (5.2 x 91.4)			
Roll Area		yd <sup>2</sup> (m <sup>2</sup> )	500 (418)			
Estimated Roll Weight		lbs (kgs)	567 (474)			
			270 (122.5)			

Interaction Coefficient value is for sand or gravel based on testing conducted by SGI Testing Services.

Request to substitute this product must be submitted to the engineer for approval. The contractor will be responsible for providing all specifications for consideration of approval.

Measurement and Payment- This work shall be paid for at the contract SQUARE YARD (SY) price for Geofabric- Mirafi RSi Series, which price shall include all materials, labor and equipment necessary to perform this work.

City of Wheaton  
Engineering Department

SPECIAL PROVISION  
FOR  
**COMBINATION CONCRETE CURB AND GUTTER, B6.12, B6.18, M3.12**

Effective: 12/15/25

This work shall consist of the installation of concrete curb and gutter as shown on the plans in accordance with the applicable sections of Article 606 of the Standard Specifications.

Line and grade for the new curb and gutter shall be provided by the Contractor. Any aggregate required under the proposed curb and gutter to bring it to the proposed elevation or provide a suitable base shall be considered included in the cost of this item.

Only approved material shall be permitted as backfill behind the new structure. No unsuitable material including sod, leaves, asphalt or concrete debris, or aggregate of any kind shall be used as backfill. The Engineer shall approve all backfill material before it is placed. Prior to placing topsoil or sod, the backfill material shall be compacted to minimize settlement behind the curb.

The contractor shall install curb depressions where indicated on the plans and as directed by the Engineer. The transition between existing curb and new curb may require removal of a portion of additional existing curb. The removal of any existing curb shall be considered included in this line item. There is no additional compensation to depress the curb, but instead, shall be included in the cost of this line item.

This work shall be paid for at the contract unit price per **LINEAL FOOT** for **COMBINATION CONCRETE CURB AND GUTTER, B6.12, B6.18 or M3.12** which price shall be payment in full for furnishing all labor, equipment, and materials necessary for performing the work described herein.

City of Wheaton  
Engineering Department

**SPECIAL PROVISION  
FOR  
PROTECTIVE COAT**

Effective: 1/1/10

Protective coat shall be applied to all new concrete gutter flags, faces and tops of curbs, sidewalks, and driveway pavements in accordance with Article 1023 of the Standard Specifications, except as modified herein. W.R. Meadows Vocomp-20 Cure and seal or approved equal shall be used in place of linseed oil.

When membrane curing compounds are utilized, they shall also be a type which provides a protective seal which is satisfactory to the Engineer (W.R. Meadows Vocomp-20 Cure and seal or approved equal). All membrane products shall be applied in accordance with the manufacturer's recommendations.

All surfaces flats that are not cured by membrane curing compounds shall have protective coat applied to them in accordance with applicable sections of article 1022 of the Standard Specification if conditions prohibit application of cure and seal products.

All labor, equipment, and materials shall be considered included in the concrete items with no additional compensation.

City of Wheaton  
Engineering Department

SPECIAL PROVISION  
FOR  
**HOT-MIX ASPHALT (HMA) DRIVEWAY APRON REPLACEMENT**  
**CONCRETE DRIVEWAY APRON REPLACEMENT**  
Effective: 12/15/25

This work shall consist of furnishing, transporting, placing, and compacting coarse aggregate meeting gradation CA-6 of Section 1004.01 of Standard Specifications, and Hot-Mix Asphalt surface course of the designated mixture in the plans. The aggregate base course shall be a minimum of 8" in thickness and the bituminous concrete surface course shall be a minimum 2" in thickness. All Concrete approaches shall be a pavement thickness of 5 inches for residential aprons and 6 inches for commercial aprons. The plans indicate the designated thickness and materials to be used.

The measurements of driveway widths, as shown on the Plans, are measurements at the sidewalk or property line as the case may be. The drive approaches shall be installed with 6' flares as specified by the ENGINEER as shown on the drive approach detail in these Special Provisions.

All work includes the removal and disposal of the existing approaches and unsuitable base materials. This includes excavation for all widened apron flares.

This work shall be paid for at the contract unit price per **EACH** for **HOT-MIX ASPHALT DRIVEWAY APRON REPLACEMENT** and **CONCRETE DRIVEWAY APRON REPLACEMENT**. These items include removal of spoils, unsuitable materials, installation of aggregate base course, bituminous concrete surface course, or concrete as specified on the plans. Additionally, this line items includes all required machine sawing, removal and disposal of the old pavement and all materials necessary to perform this work, as called for in the Plans and Specifications or as determined by the Engineer.

City of Wheaton  
Engineering Department

SPECIAL PROVISION  
FOR  
**COMMERCIAL DRIVEWAY RECONSTRUCTION – NORTH END**  
Effective: 12/15/25

This work shall consist of furnishing, transporting, placing, and compacting coarse aggregate meeting gradation CA-6 of Section 1004.01 of Standard Specifications, and PCC material of the designated mixture in the plans. The aggregate base course shall be a minimum of 8" in thickness and concrete shall be a minimum 6" in thickness. The plans indicate the designated thickness and materials to be used.

The measurements of driveway widths, as shown on the Plans, are measurements at the sidewalk or property line as the case may be. The drive approaches shall be installed with 6' flares as specified by the ENGINEER as shown on the drive approach detail in these Special Provisions. Any Sidewalk Replacement through the driveway shall be 5 inches thick and paid for separately.

All work includes the removal and disposal of the existing approaches, unsuitable base materials, and old sidewalks. This includes excavation for all widened apron flares.

This work shall be paid for at the contract unit price as **LUMP SUM** for **COMMERCIAL DRIVEWAY RECONSTRUCTION – NORTH END** which **price** include removal of spoils, unsuitable materials, installation of aggregate base course, and concrete as specified on the plans. Additionally, this line items includes all required machine sawing, removal and disposal of the old pavement and all materials necessary to perform this work, as called for in the Plans and Specifications or as determined by the Engineer. Phasing the drive placement may occur and shall be included in this line item with no additional compensation given for providing temporary access or phasing the work.

## **SEEDING AND STABILIZATION**

Restoration of parkways shall be completed no later than August 28, 2026. If all restoration is not completed by August 28, 2026, the City may cause the work to be completed and deduct all costs incurred from payments due to the Contractor.

All areas in that portion of the parkway adjacent to curb replacement sections, sanitary or storm sewer replacement, or water main installations disturbed during construction shall be restored. Contractor shall provide a minimum of 6" of topsoil to finished elevation in accordance with Section 211 of the Standard Specifications.

Prior to the top soil (pulverized black dirt) placement, the disturbed parkway areas shall be inspected by the Engineer and authorization received by the Contractor to proceed with the work as specified herein.

Once this authorization is given, the parkway shall be cleared of all debris, and all trenches shall be fully compacted. Topsoil shall then be placed at the specified depth and rolled. The surface shall be leveled by having all depressions filled and high spots removed. Fertilizer and nutrients shall be spread at the designated rates as determined by the Standard Specifications.

The installation of excelsior blanket will be placed atop the topsoil and seed with staples to hold the mat in place. The contractor will be responsible for periodically watering the seed to ensure successful germination of the seed.

It will be the responsibility of the Contractor to notify the Engineer once all the required waterings have been completed. If it is determined that additional watering will be required, the Engineer will notify the Contractor to proceed with supplemental watering as directed by the Engineer until successful germination of the seed has been achieved.

This work shall be paid for at the contract unit price as **LUMP SUM for SEEDING and STABILIZATION**, which price shall include all labor, equipment, materials, fertilizer nutrients, and watering necessary to complete the work as specified.

City of Wheaton  
Engineering Department

**SPECIAL PROVISION  
FOR  
SEDIMENT FILTER BASKETS**

Effective: 12/16/25

This line item shall conform to applicable Section 280 of the current version of the Standard Specifications for Road and Bridge Construction, except as modified herein. The Contractor shall provide inlet and pipe protection using approved fabric bags in all structures impacted by construction.

The Filter bag shall be constructed of a polypropylene filter geotextile fabric with a minimum weight of 4 ounces per square yard, a minimum flow rate of 145 gallons per minute per square foot, and designed for a minimum silt and debris capacity of 2 cubic feet. The filter bag shall be reinforced with a polyester mesh fabric with a minimum weight of 4 ounces per square yard. The filter bag shall be suspended from a galvanized steel ring, or frame conforming to ASTM-A36, utilizing a stainless-steel band and locking clamp. The frame shall be designed with an overflow feature to prevent any ponding between scheduled cleanings.

The Contractor shall inspect and clean all inlet erosion control every week or after a one and a half inch rainfall, or as directed by the Engineer. No additional compensation shall be given for this work, but instead shall be considered included in the cost of this item.

If a new frame is installed that is incompatible with the filter basket previously installed in the existing frame, a new filter basket that fits the new frame will be supplied and installed by the Contractor at no additional cost.

All costs for furnishing and installing, and maintaining the Inlet Filter System shall be paid for EACH for Sediment Filter Baskets, which price shall include all labor, equipment, and materials.

### **ADJUST SANITARY MANHOLE WITH SEAL**

Adjusting frames and grates of existing drainage and utility structures shall be performed in accordance with Section 603 of the Standard Specifications, with the exception that Multi-Purpose Rubber Adjustment Riser Rings shall be used (Metal adjustment rings shall NOT be permitted). The rubber adjustment rings shall conform to ASTM Standards (C-642-90, D-2240, D412-87, D 575, D 395, C672-91, C531-85, and D573-88 ) or approved equal. Beveled rings shall be used in cases where the surface slopes differ in elevation. Brick shims are not permitted. The contractor shall use butyl mastic between the frame and rings. Roofing tar or other products other than butyl mastic shall not be permitted. If it is determined that unsuitable materials were used for adjustments, the Contractor shall remove all material and re-adjust the structure to the Engineer's satisfaction. Failure to correct the situation shall result in withholding payment for the adjustment of the structure.

Adjustments shall include the reinstallation of the existing chimney seal or the installation of a new chimney seal, as the case may be, when plans indicate the adjustment of an existing sanitary manhole

**The Contractor shall provide the Engineer a minimum of 48 hour notice prior to placing the final surface course** in order to inspect all adjusted structures which are within the paved areas. If it is determined that the structure is incorrectly adjusted, the Contractor shall make the necessary repairs to the structure prior to the placement of the final surface. No additional compensation shall be made for this item, but instead, shall be considered included in the cost of this item.

This work shall be paid for at the contract unit price **EACH** for **SANITARY MANHOLE TO BE ADJUSTED w/ SEAL**, which price shall include all costs for setting or resetting the frame, grate, or lid, or for installing or reinstalling the chimney seal as the case may be, and for all pavement patching. Setting of all frames shall be performed in accordance with the Detail Sheets of the Plans.

City of Wheaton  
Engineering Department

SPECIAL PROVISION  
FOR  
**DUCTILE IRON WATER MAIN**

. Effective: 12/16/25

Water main shall be installed in accordance with Section 561 of the Standard Specifications. Water mains shall be Class 52 Zinc-coated Ductile Iron pipe with push-on joints and shall conform to Specification AWWA-C151. The contractor shall wrap the pipe with polyethylene encasement. Encasement shall consist of a linear low-density V-Bio Enhanced polyethylene wrap 8-millimeter in thickness and secured with polyethylene tape at overlaps, all pipe ends, and every 4-feet along the pipe barrel. The contractor shall double wrap the pipe in cases where the pipe is directionally bored. Mechanical joints shall be used at all tees, crosses, and other fittings at locations shown on the Plans, and shall be installed strictly in accordance with the manufacturer's instructions.

The contractor shall double wrap any water main pipe when using the directional boring method. Appropriate tape shall be used to secure the wrap to the pipe at the ends and at any joint to ensure the wrap stays secure during installation of the pipe.

Restrained joint pipe shall be used when directional boring. The installation of Field Lok Gaskets shall be used when using this method of installation. The use of Field Lok gaskets shall be considered included in the contract.

Excavation, backfilling, installation, and separation of water mains shall be in accordance with Section 41 of the Standard Specifications for Water and Sewer Main Construction in Illinois. The requirements of the Illinois Department of Public Health shall govern the horizontal and vertical separation of water mains from sewers.

The water main shall be measured for payment in **LINEAL FEET** along the centerline of the pipe with no deductions made for valves, tees, bends, and crosses. Tees, bends, crosses, and thrust blocking shall not be measured for payment separately, but shall be considered included to the cost of Ductile Iron Water Main of the inside diameter specified.

Tees installed on the new water main shall have mechanical joint plugs installed for testing purposes. All such plugs shall be removed and salvaged by the contractor after the new water main has been successfully tested and chlorinated. This work shall be considered included to the cost of **DUCTILE IRON WATER MAIN of the specified diameter.**

This work shall be paid for at the contract unit price per **LINEAL FOOT for DUCTILE IRON WATER MAIN** of the inside diameter specified. This price shall include the cost of installation of a new corporation stop and 45° brass "L" for each service being connected to the new main as shown on the Plans or as directed by the Engineer, all pipe, fittings, tees, bends, beveled pipe, reducers, joint materials, the hydrostatic tests, all excavation (except excavation in rock), backfilling, thrust blocking (concrete), pipe bedding, trench backfill and all appurtenances necessary to construct the water main. The price shall include the reconnection of all short side services where no new copper is required to connect to the new water main. When the location of the edge of the water main trench is within 2' of or under a paved surface, the trench shall be backfilled with aggregate backfill. Pavement removal and replacement shall be measured and paid for separately.

Any existing valves or water services that are to be abandoned due to the installation of the new water main shall have the box extensions removed and the surrounding area patched or landscaped as the

case may be. All costs incurred to abandon the valves and water services shall be included in the cost of installing the new water main.

All polyethylene encasement shall be considered included in the cost of the watermain pipe.

The City shall inspect all new watermain pipes and water services with leak detection equipment immediately following the installation and activation of the watermain pipe and once again prior to the end of the one-year warranty period.

The Contractor shall make provisions to hire their own firm to verify the location of the suspected leak(s) and make the necessary repairs in the event leaks are detected on the new system. No additional compensation shall be given for this work.

The Contractor shall be responsible for removing chlorine from the water discharged from fire hydrants following the disinfection process. The contractor shall follow the criteria established by the Environmental Protection Agency (EPA). No additional compensation shall be given for this work but instead, it shall be considered included in the contract.

## DRAINAGE AND INLET PROTECTION UNDER TRAFFIC (D1)

Effective: April 1, 2011

Revised: April 2, 2011

Add the following to Article 603.02 of the Standard Specifications:

"(i) Temporary Hot-Mix Asphalt (HMA) Ramp (Note 1) ..... 1030  
(j) Temporary Rubber Ramps (Note 2)

Note 1. The HMA shall have maximum aggregate size of 3/8 in. (95 mm).

Note 2. The rubber material shall be according to the following.

Property	Test Method	Requirement
Durometer Hardness, Shore A	ASTM D 2240	75 $\pm$ 15
Tensile Strength, psi (kPa)	ASTM D 412	300 (2000) min
Elongation, percent	ASTM D 412	90 min
Specific Gravity	ASTM D 792	1.0 - 1.3
Brittleness, °F (°C)	ASTM D 746	-40 (-40)"

Revise Article 603.07 of the Standard Specifications to read:

**"603.07 Protection Under Traffic.** After the casting has been adjusted and the Class PP concrete has been placed, the work shall be protected by a barricade and two lights according to Article 701.17(e)(3)b.

When castings are under traffic before the final surfacing operation has been started, properly sized temporary ramps shall be placed around the drainage and/or utility castings according to the following methods.

(a) Temporary Asphalt Ramps. Temporary hot-mix asphalt ramps shall be placed around the casting, flush with its surface and decreasing to a featheredge in a distance of 2 ft (600 mm) around the entire surface of the casting.

(b) Temporary Rubber Ramps. Temporary rubber ramps shall only be used on roadways with permanent posted speeds of 40 mph or less and when the height of the casting to be protected meets the proper sizing requirements for the rubber ramps as shown below.

Dimension	Requirement
Inside Opening	Outside dimensions of casting + 1 in. (25 mm)

Thickness at inside edge	Height of casting $\pm$ 1/4 in. (6 mm)
Thickness at outside edge	1/4 in. (6 mm) max.
Width, measured from inside opening to outside edge	8 1/2 in. (215 mm) min

Placement shall be according to the manufacturer's specifications.

Temporary ramps for castings shall remain in place until surfacing operations are undertaken within the immediate area of the structure. Prior to placing the surface course, the temporary ramp shall be removed. Excess material shall be disposed of according to Article 202.03."

City of Wheaton  
Engineering Department

SPECIAL PROVISION  
FOR  
**FIRE HYDRANTS**

Effective: 12/15/25

This work shall include the installation of a new fire hydrant and auxiliary valve to be connected to the existing water main or to a new water main.

The hydrant shall be a Mueller Centurion A-421, 4 1/2" valve opening with 6" flange by mechanical joint resilient wedge gate type auxiliary valve or approved equal. The hydrant shall be of a break flange construction and placed in the locations as shown on the Plans.

Hydrants shall not be closer than 3' to the back of curb, no closer than 5' to the nearest edge of a drive approach, no closer than 18" to any sidewalk. Fire hydrants shall be plumb and set so that the lowest hose connection is a minimum of 18" above the surrounding finished grade. A minimum of 1/4 cubic yard of coarse washed stone shall be placed at and around the base to a level 6" above the drain outlets to permit the draining of the hydrant barrel. The auxiliary valve shall be a Mueller #A-2360-20 resilient wedge series, or approved equal. The valve box shall be a Tyler 664-S or approved equal.

Final adjustment of the Fire Hydrant shall be considered included in the cost of this item. No additional compensation shall be given for fittings or extensions that are necessary to avoid utility conflicts or connect to the existing or new watermain.

The contractor shall remove the existing hydrant and auxiliary valve once the old watermain is abandoned and shall be removed as a one-piece unit. The old hydrant is to be set aside for City crews to retrieve at a later date. The removal of fire hydrants and trench backfill required to fill the excavation shall be considered included in the Fire Hydrant line item.

This work shall be paid for at the contact unit price **EACH** for **FIRE HYDRANT** which shall include all labor, equipment, materials, removal of old fire hydrants and valves necessary to install the hydrant as specified.

City of Wheaton  
Engineering Department

SPECIAL PROVISION  
FOR  
**CUT AND INSTALL END CAP**

Effective: 1/1/10

This work shall include the removal of existing valves and/or pipe and the installation of an end cap. The existing water main and appurtenances shall be removed as shown on the Project Plans to accommodate the installation of an end cap, Smith Blair #482 or approved equal with stainless steel bolts and nuts. The end cap shall be blocked with concrete blocks against undisturbed earth. In addition, each cap shall be tied back to the water main with a stainless-steel threaded rod to either a mechanical joint or a retaining gland and be encased in polyethylene wrap.

The Engineer shall determine the method to be used on the basis of existing conditions. Wood shims shall only be permitted when encased in Class SI Concrete. A brass plug shall be installed on the end cap.

All excavation shall be minimized to an extent sufficient to install the end cap. Trench backfill and pavement removal and replacement shall be measured and paid for separately.

When the elimination of an existing tee or cross is shown on the plans, a length of pipe matching the diameter of the existing main shall be installed with two (2) long body Omni sleeves, Smith Blair #441 or approved equals at the discretion of the Engineer. This work shall be performed in lieu of installing the number of end caps normally required.

This work shall be included in the contract line item for **DUCTILE IRON WATER MAIN PIPE** , which shall include all materials, labor, and equipment as required. No allowance shall be made for varying diameters of end caps.

City of Wheaton  
Engineering Department

SPECIAL PROVISION  
FOR  
**RECONNECT EXISTING SERVICES**

Effective: 12/16/25

This line item covers the work to reconnect existing water services as shown on the plans. In some cases, it may be required to replace the existing water service due to condition of the existing service. This line item covers the cost to reconnect existing services and the installation of the new Buffalo Box, Round Way, and Corporation Stop if determined replacement is required. The price shall include all excavation, spoil removal, and fittings necessary to perform this work. No additional compensation shall be given for varying diameter services, but instead, shall be considered included in the contract.

The diameters are given to the best of the City's knowledge for bidding purposes. It is the contractor's responsibility to determine the actual diameter. No additional compensation shall be given for varying diameters of water service lines.

The construction of the water service line shall be in accordance with Section 562 of the Standard Specifications, unless specified otherwise in these Special Provisions. The existing water service line shall be replaced with Type K copper pipe.

All "far side" water services shall be jacked or augured. Open cut installation shall only be permitted at the direction of the Engineer. If the existing "far side" service is copper, it shall be connected to the new water main without being replaced. Compression couplings shall be permitted.

This work shall be paid for at the contract unit price **EACH** for **RECONNECT EXISTING SERVICES** which shall include all labor, equipment, and materials necessary to install the service as specified.

No additional compensation shall be given for water service diameters that differ from diameters shown on the Plans

Trench backfill shall be considered included in the contract.

City of Wheaton  
Engineering Department

SPECIAL PROVISION  
FOR  
**WATER AND SEWER MAIN CONSTRUCTION**

Effective: 1/1/10

Water and Sewer Main Construction shall conform to "*The Standard Specifications for Water and Sewer Main Construction in Illinois*", adopted May, 1996 or most current version (Hereinafter referred to as Standard Specification for Water and Sewer Main Construction)

## **FIELD LOK GASKETS FOR DUCTILE IRON WATER MAIN**

Description. For water main approaching or exiting any horizontal or vertical bend fitting, within casing pipes, and all push-on joints shall have "Field LOK Gaskets". The pipe length restrained by Field LOK Gaskets at each side of the bend shall be 20 linear feet.

Materials. Joint restraints shall be Field LOK 350 Gaskets as manufactured by US Pipe. Field LOK Gaskets shall be compatible with the ductile iron, cement-lined asphaltic coating or paint, push-on joint, thickness class 52, of the size as designated in the Plans.

Shop Drawings. Shop drawings of all items related to the manufacturer and installation of the Field LOK Gaskets shall be submitted and approved by the Engineer.

Method of Measurement and Basis of Payment. This work will be considered included in the contract. This shall include the cost of all joint materials and labor necessary to complete this work as specified.

This work will be considered included in the contract. This shall include the cost of all joint materials and labor necessary to complete this work as specified.

City of Wheaton  
Engineering Department

**SPECIAL PROVISION  
FOR  
FITTINGS, MISCELLANEOUS**

Effective: 1/1/10

A quantity for this item has been included in the estimate for additional fittings that may be necessary to install the water main. This work shall consist of furnishing and installing water main fittings not noted or implied by the Specifications and Plans.

This work shall be considered included in the cost of the Ductile Iron Water Main pipe line item, which price shall include all labor, equipment, and materials necessary to complete the installation of the fittings.

City of Wheaton  
Engineering Department

**SPECIAL PROVISION  
FOR  
DIRECTIONAL BORING**

Effective: 1/1/10

The Contractor shall use this method of installation per the plan, and shall include the cost of fittings, gaskets, tees, couplings, joint locks, excavation pits, tracing wire, equipment, materials, and labor necessary to perform this work. In addition, all spoil removal, temporary patching, permanent patching, and exploratory excavation shall be included in the Ductile Iron Water Main line item.

The contractor shall ensure the depth of the water main is installed no greater than 8 feet in depth unless directed by the Engineer.

City of Wheaton  
Engineering Department

SPECIAL PROVISION  
FOR  
**RECONNECT EXISTING SERVICES**

Effective: 12/16/25

This line item covers the work to reconnect existing water services as shown on the plans. In some cases, it may be required to replace the existing water service due to condition of the existing service. This line item covers the cost to reconnect existing services and the installation of the new Buffalo Box, Round Way, and Corporation Stop if determined replacement is required. The price shall include all excavation, spoil removal, and fittings necessary to perform this work. No additional compensation shall be given for varying diameter services, but instead, shall be considered included in the contract.

The diameters are given to the best of the City's knowledge for bidding purposes. It is the contractor's responsibility to determine the actual diameter. No additional compensation shall be given for varying diameters of water service lines.

The construction of the water service line shall be in accordance with Section 562 of the Standard Specifications, unless specified otherwise in these Special Provisions. The existing water service line shall be replaced with Type K copper pipe.

All "far side" water services shall be jacked or augured. Open cut installation shall only be permitted at the direction of the Engineer. If the existing "far side" service is copper, it shall be connected to the new water main without being replaced. Compression couplings shall be permitted.

This work shall be paid for at the contract unit price **EACH** for **RECONNECT EXISTING SERVICES** which shall include all labor, equipment, and materials necessary to install the service as specified.

No additional compensation shall be given for water service diameters that differ from diameters shown on the Plans

Trench backfill shall be considered included in the contract.

## **STORM SEWER**

### **CONNECT TO EXISTING STORM MANHOLE**

This work shall consist of constructing storm sewers of the required inside diameter with the necessary fittings and service connections.

The materials shall meet the requirements of Section 1040.03 of the Standard Specifications for polyvinyl chloride pipe and shall have a minimum SDR rating of 35. The remaining pipe materials shall conform to Article 550.03 of the Standard Specifications.

RCP storm sewer shall follow applicable articles in Section 550 of the current Standard Specifications for Road and Bridge Construction.

No payment for sewer shall be made through a manhole where the manhole is paid for as a separate item. When the sewer enters a manhole, the measurement shall end at the inside wall of the manhole.

The cost of reconnecting all existing inflow and outfall pipes to a distance of 3' outside the outer wall surface of the structure, including all materials and labor, shall be incidental to the contract unit cost of installation of the specified structure. Any pipe replacement beyond this 3' dimension shall be paid for (only if determined as necessary by the Engineer on the basis of condition) at the contract unit price of the pipe.

The location and re-connection of all existing storm services shall be the responsibility of the Contractor and shall be incidental to this line item. Connection of the new pipe shall use non-shear mission couplings where applicable or connect into the storm sewer manhole by a pre-installed boot. The City shall provide T.V. reports, if available. This item shall include all pipe fittings required, all other material, except trench backfill within the limits of the specified trench, all excavation, except excavation on rock or unsuitable material removed below bedding grade and all sheeting or shoring required.

This work shall be paid for at the contract unit price per installed **LINEAL FOOT** for **12- inch RCP STORM SEWER**. Connections shall be paid for at the contract unit price as **LUMP SUM** for **CONNECT TO EXISTING STORM MANHOLE**. Both items shall include all labor, equipment and labor necessary to perform this work. Trench backfill shall be included in the contract. Removal and replacement of unsuitable material below plan bedding grade shall be paid for in accordance with Article 109.04 of the Standard Specifications.

City of Wheaton  
Engineering Department

SPECIAL PROVISION  
FOR  
**MANHOLE, TYPE A, 4' DIAMETER, TYPE I FRAME, CLOSED LID**  
**MANHOLE, TYPE A, 5' DIAMETER, TYPE I FRAME CLOSED LID**  
**3' DIAMETER INLET, TYPE B, WITH FRAME AND GRATE**

Effective: 12/16/25

This work shall consist of constructing sewer structures together with the necessary cast-iron frames and lids in accordance with Section 602 of the Standard Specifications. The special frame and grate shall conform to the detail shown on the Plan Detail Sheet.

The Contractor shall provide and install a precast reinforced concrete sanitary manhole with a one piece integral base and bench section. All pipe connections are to be made with a pre-installed synthetic rubber sleeve with stainless steel clamps. All joints between barrel sections, rubber riser rings, and frames shall be sealed with a flexible butyl gasket material, such as "E-Z Stick", "Ram Neck" or approved equal. In addition, the casting, risers, and cone section shall be sealed by the use of an internal chimney seal conforming to ASTM C-923 or approved equal. The sanitary manhole detail shown on the Detail Sheet of the Plans shall be included under this Special Provision by reference.

The Contractor shall verify all invert elevations and pipe configurations in manholes prior to ordering the new structure. All pipe connections to the precast reinforced concrete sanitary manhole structure shall be made with a pre-installed synthetic rubber sleeve. No exceptions shall be made because of the Contractor's failure to complete adequate investigation before ordering materials. The Engineer shall make every reasonable attempt to confirm the configurations of the delivered manholes before the existing structure is removed. The failure of the Engineer, or his representative, to identify improperly manufactured structures does not alleviate the Contractor of his responsibility in this regard. Failure to install manholes to these specifications will result in non-payment of the structure until the structure is replaced to the satisfaction of the Engineer.

Where a new structure is replacing an existing structure of similar dimensions, all pipe connections shall be reconnected to the new structure with pipe of the same size.

Pipe material for storm sewer structures shall be PVC SDR-26 or as specified on the plans, Pipe replacement of all other types shall be identical to that of the existing pipe. Pipe material for sanitary sewer structures shall be PVC SDR-26 when the existing line is vitrified clay pipe. All pipe connections shall use a non-shear type or Mission couplings when connecting pipe of different materials.

The salvaged castings shall be stored at a convenient location on the job site for pick up by the City of Wheaton.

The cost of reconnecting all existing inflow and outfall pipes to a distance of 3' outside the outer wall surface of the structure, including all materials and labor, shall be incidental to the contract unit cost of installation of the specified structure. Any pipe replacement beyond this 3' dimension shall be paid for (only if determined as necessary by the Engineer on the basis of condition) at the contract unit price of the pipe.

By-Pass pumping shall be required in cases where flow is heavy and cannot be interrupted. No additional compensation shall be made but is to be considered included in the cost of these items. The removal of the existing structure shall be incidental to this item and no additional compensation shall be allowed.

All structures shall be adjusted to finish grade 48 Hours prior to the placement of the final surface course in order for the City to perform inspection on all structures. The Contractor shall repair any deficiencies prior to the placement of the final surface. No additional compensation shall be made for this delay.

This work shall be paid for at the contract unit price **EACH** for **MANHOLE, TYPE A, 4'DIAMETER, TYPE I FRAME, CLOSED LID, MANHOLE, TYPE A, 5' DIAMETER, TYPE I FRAME CLOSED LID and 3' DIAMETER INLET, TYPE B, WITH FRAME AND GRATE**; which price shall include all excavation (except excavation in rock), trench backfill, furnishing, installing, and resetting the frame and lid to final grade.

City of Wheaton  
Engineering Department

SPECIAL PROVISION  
FOR  
**CONSTRUCTION LAYOUT SPECIAL**  
**AS-CONSTRUCTED DRAWING**

Effective: 1/1/2026

**CONSTRUCTION LAYOUT SPECIAL**

This work shall consist of furnishing and placing construction layout stakes for installation of structures, water main, curb and gutter and sidewalks. Work shall include staking all critical points including drive approaches and vertical/horizontal control as indicated on the plans.

The contractor shall locate all reference points as shown on the plans or provided by the Engineer. The establishment of additional control points required will be identified in the field by the contractor and documented in the official record book to be provided to the field engineer at the completion of the project.

Layout stakes shall be set to assure conformance to the plans as indicated and shall meet the approval of the Engineer.

The contractor shall be responsible for having the finished work conform to the lines, grades, elevations and dimensions called out on the plans. Any inspection or checking of the Contractor's layout by the Engineer and the acceptance of all or any part of it shall not relieve the Contractor of his/her responsibility to secure the proper dimensions, grades and elevations of the work. The Contractor shall exercise care in the preservation of stakes and bench marks and shall have them reset when they are damaged, lost, displaced, removed or otherwise disturbed.

Measurement and Payment- This work shall be paid for at the contract **LUMP SUM (LS)** price for **Construction Layout Special**, which price shall include all materials, labor and equipment necessary to perform this work. No additional compensation will be given for the Professional Engineer and Land Surveyor.

**AS-CONSTRUCTED DRAWING**

The Contractor shall provide as-constructed drawings with elevations stamped by a Professional Land Surveyor and Professional Engineer. The information shall include tables with pre and post construction elevations to verify no filling occurs in the flood plain. This is to follow the DuPage County Stormwater Ordinance referencing construction in a flood plain.

Measurement and Payment- This work shall be paid for at the contract **LUMP SUM (LS)** price for **As-Constructed Drawings** which price shall include all materials, labor and equipment necessary to perform this work. No additional compensation will be given for the Professional Engineer and Land Surveyor, as-built plans and any tables or calculations necessary to fulfill the DuPage County Stormwater Ordinance for construction in a flood plain.

City of Wheaton  
Engineering Department

SPECIAL PROVISION  
FOR  
**PCC SIDEWALK**

Effective: 1/1/10

This line item shall follow applicable articles under Section 424 of the Standard Specifications and shall include the cost to excavate, dispose, and place aggregate material prior to pouring the sidewalk. The contractor shall install 5" thick Portland Cement Concrete through all drive approaches or as directed by the Engineer. The remainder of the sidewalk shall be poured with 4" thick Portland Cement Concrete. The aggregate base shall be installed with CA-6 Granulated material to a depth of 4" thick to provide a suitable base on which to pour the sidewalk. Removal of any existing sidewalks shall be included in the price for the new sidewalk.

The contractor shall apply protective coat, which shall be included in the contract unit price.

This work shall be paid for at the contract unit price per **SQUARE FOOT for PCC SIDEWALK, 4" OR 5"** as the case may be, which price shall include all equipment, material, labor, excavation, and disposal of unsuitable material and old sidewalks.

City of Wheaton  
Engineering Department

SPECIAL PROVISION  
FOR  
**CONCRETE SIDEWALK ADA RAMP PATCHES**  
**PCC SIDEWALK 4" and 5"**

Effective: 12/16/25

This line item shall follow applicable articles under Section 424 of the Standard Specifications and shall include the cost to excavate, dispose, and place aggregate material prior to pouring the sidewalk. The contractor shall install 5" thick Portland Cement Concrete through all drive approaches or as directed by the Engineer. The remainder of the sidewalk shall be poured with 4" thick Portland Cement Concrete. The aggregate base shall be installed with CA-6 Granulated material to a depth of 4" thick to provide a suitable base on which to pour the sidewalk. All sidewalk call outs to remove and replace existing sidewalks are shown on the plans and shall include removal of all existing sidewalks. Installation of PCC sidewalk of the thickness specified along with the aggregate base will be considered included in the contract.

Concrete sidewalk ADA ramp patches are installed in areas where the project abuts adjacent roadways which are not part of the area of construction. Patches will be paid for at the contract unit price per Each for Concrete Sidewalk-ADA Ramp Patches which includes all material, labor, excavation, material disposal, and equipment necessary to perform this work.

The installation of PCC Sidewalk shall have protective coat applied per the manufacturer's specifications and shall be considered included in the contract.

All new **PCC SIDEWALK, 4" OR 5"** shall be considered included in the contract which covers the cost to remove existing sidewalks, base preparation, disposal of unsuitable spoil material, concrete and installation of new sidewalks. Work shall also include all equipment, material, and labor necessary to perform this work.

City of Wheaton  
Engineering Department

SPECIAL PROVISION  
FOR  
**POLE FOUNDATION**  
**RELOCATE LIGHT POLE**

Effective: 12/16/25

This line item shall follow applicable articles under Section 836 of the Standard Specifications and shall include routing the existing electrical conduit to the new pole foundation. The contractor shall ensure that the conduit is in proper working condition with no damage. The installation and connection shall be completed by a licensed electrician, and the work must be verified by the City's electrical department prior to backfilling. Work includes the removal and re-installation of the existing light pole and fixture. The contractor will be responsible for properly storing the equipment and materials to ensure no damage occurs while work is being performed. The work is not paid for separately but included in the contract and will include all the equipment material and labor necessary to perform this work.

City of Wheaton  
Engineering Department

**SPECIAL PROVISION  
FOR  
TRAFFIC CONTROL AND PROTECTION**

Effective: 12/16/25

This item of work shall include furnishing, installing, maintaining, replacing, relocating, and removing all traffic control devices used for the purpose of regulating, warning, or directing traffic during the construction or maintenance of this improvement. This also includes the installation and maintenance of any detour routes and signage associated with the project.

Traffic control and protection shall be provided as called for in the plans, these special provisions, applicable highway standards, applicable sections of the Standard Specifications, or as directed by the Engineer.

The governing factor in the execution and staging of work for this project is to provide the public with the safest possible travel conditions along the roadway and walkways through the construction zone. The contractor shall arrange his operations to keep the closing of any lane of the roadway to a minimum.

All traffic control devices used on this project shall conform to the plans, special provisions, traffic control standards, traffic specifications, and the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways". No modification of these requirements shall be allowed without prior written approval of the Engineer.

Traffic control devices include signs and their supports, signals, pavement markings, barricades with sandbags, channelizing devices, warning lights, arrow boards, flaggers, or any other device used for the purpose of regulating, detouring, warning, or guiding traffic through or around the construction zone.

The initial erection of a traffic control installation shall not include devices that are bent, scratched, faded, worn, dirty, or otherwise present a shabby appearance. The contractor is required to conduct routine inspections of the work site at a frequency that will allow for the prompt replacement of any traffic control device that has become displaced, worn, or damaged to the extent that it no longer conforms to the shape, dimensions, color, or operational requirements of the M.U.T.C.D. and the Traffic Control Standards or will no longer present a neat appearance to a motorist. A sufficient quantity of replacement devices based on vulnerability to damage shall be readily available to meet this requirement.

The Contractor shall be responsible for the proper location, installation, and arrangement of all traffic control devices. Special attention shall be given to advance warning signs during construction operations in order to keep lane assignments consistent with barricade placement at all times. The Contractor shall remove, cover, or turn from the view of the motorist all traffic control devices which are inconsistent with detour or lane assignment patterns during the transition from one construction stage to another.

The Contractor shall coordinate all traffic control work on this project with adjoining or overlapping projects, including barricade placement necessary to provide for a uniform traffic detour pattern. When directed by the Engineer, the Contractor shall remove all traffic control devices which were furnished, installed, and maintained by him under this contract and such devices shall remain the property of the Contractor. All traffic control devices shall remain in place until specific authorization for relocation or removal is received from the Engineer.

The Contractor shall insure that all traffic control devices installed by him are operational, functional, and effective 24-hours a day, including Sundays and Holidays.

The Contractor shall provide a telephone number where a responsible individual can be contacted on a 24-hour a day basis to receive notification of any deficiencies regarding traffic control and protection. The Contractor shall dispatch personnel, materials, and equipment to correct any such deficiencies. The Contractor shall respond to any call from the City concerning any request for improving or correcting traffic control devices and begin making the requested repairs within two (2) hours from the time of notification.

When traveling in lanes open to public traffic, the Contractor's vehicle shall always move with and not against or across the flow of traffic. These vehicles shall enter or leave work areas in a manner which will not be hazardous to, or interfere with, traffic and shall not park or stop except within designated work areas. Personal vehicles shall not be parked within the right-of-way except in specific areas designated by the Engineer.

The Contractor shall maintain at least one lane of traffic at all times on two lane roads and at least one lane in each direction on four or more lane roads, during the construction of this project. Two flaggers will be required at all times for each separate operation where two-way traffic is maintained over one lane of pavement. The Contractor shall also maintain entrances, side roads, and pedestrian pathways along the proposed improvement. Interference with traffic and pedestrian movements and inconvenience to owners of abutting property and the public shall be kept to a minimum.

On two-lane roads, the Contractor is to plan his work so that there will be no open holes in the pavement and that all barricades shall be removed from the pavement during non-work hours. On four or more lane highways there shall be no open holes in the pavement being used by the traveling public. Lane closures, if allowed, shall be in accordance with the applicable standards and any staging detail shown in the plans. No road closure or restriction shall be permitted except those covered by the Standard Designs without written approval by the Engineer.

In an emergency as determined by the City Engineer, the City reserves the right to immediately affix temporary repairs, placement of barricades, or provide temporary access at driveways, trench crossing, or pavement rehabilitation areas by City of Wheaton Public Works Department personnel at time and one-half pay rate plus any rental and/or material costs incurred and the Contractor agrees that in such event, the City may charge such costs that may be incurred against the Contractor or his surety.

Delays to the Contractor caused by complying with these requirements shall be considered incidental to the item for **TRAFFIC CONTROL AND PROTECTION**, and no additional compensation shall be allowed.

This work shall be paid for at the contract **LUMP SUM PRICE** for **TRAFFIC CONTROL AND PROTECTION**, which price shall be payment in full for all labor, materials, transportation, handling, and incidentals necessary to furnish, install, maintain, replace, relocate, and remove all traffic control devices indicated in the plans and specifications. The salvage value of the materials removed shall be reflected in the bid price for this item.

## **MAINTENANCE OF ROADWAYS (D1)**

Effective: September 30, 1985

Revised: November 1, 1996

Beginning on the date that work begins on this project, the Contractor shall assume responsibility for normal maintenance of all existing roadways within the limits of the improvement. This normal maintenance shall include all repair work deemed necessary by the Engineer but shall not include snow removal operations. Traffic control and protection for maintenance of roadways will be provided by the Contractor as required by the Engineer.

If items of work have not been provided in the contract, or otherwise specified for payment, such items, including the accompanying traffic control and protection required by the Engineer, will be paid for in accordance with Article 109.04 of the Standard Specifications.

City of Wheaton  
Engineering Department

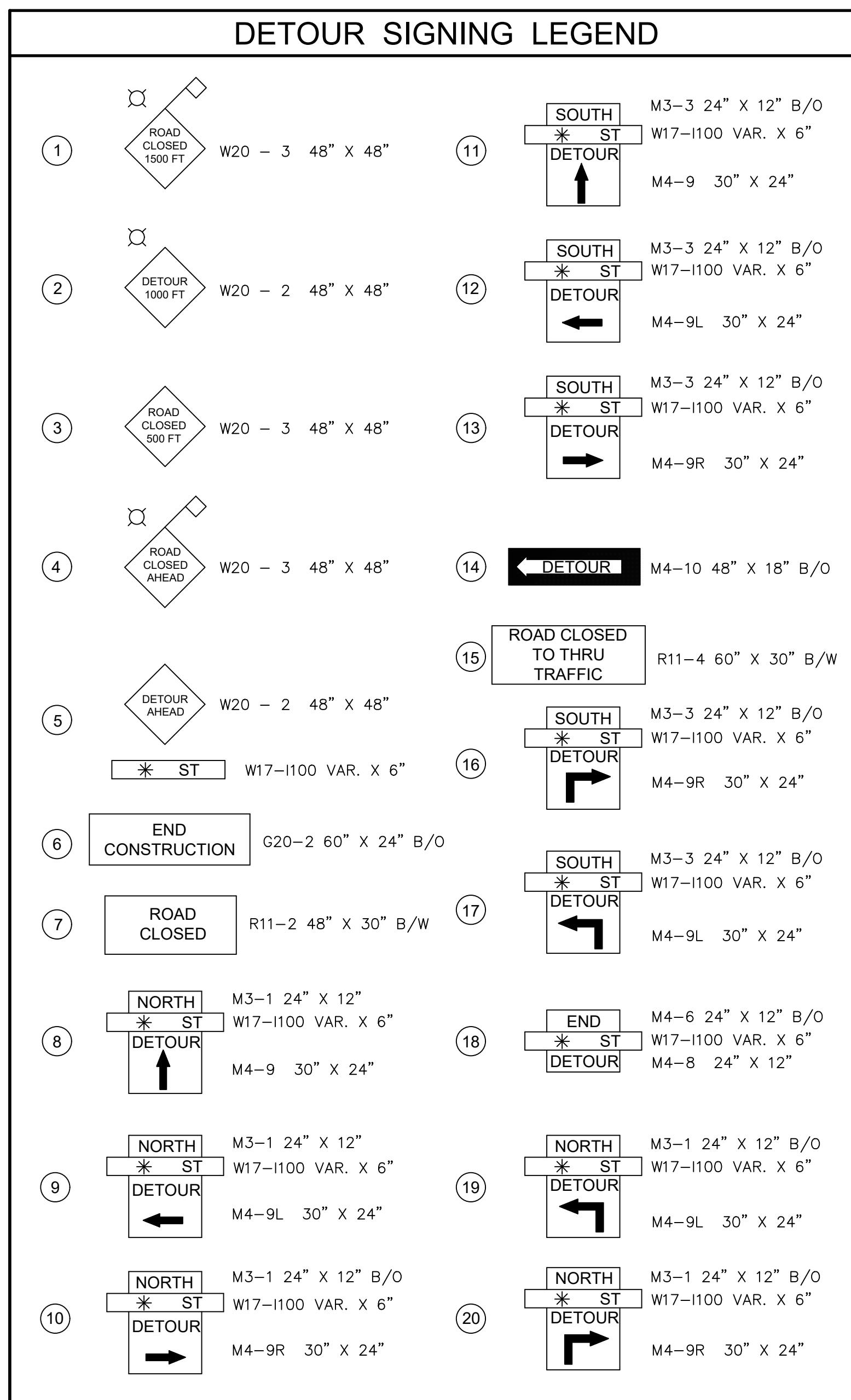
SPECIAL PROVISION  
FOR  
**THERMOPLASTIC PAVEMENT MARKING**

Effective: 1/1/10

All striping under this line item shall be completed within twenty-four (24) hours after all paving is complete. The contractor shall groove all centerline markings prior to the application of thermoplastic material. All work is considered included in the contract which includes all labor, materials and equipment necessary to perform this work.

N

0 75' 150'  
GRAPHIC SCALE  
1" = 150'



**GABLES DETOUR**  
Sign Placement

**NORTH BOUND (East Route)**

No. 4 S.E. Corner of Knollwood Drive & Childs Street  
No. 8 S.E. Corner of Gables Boulevard & Childs Street  
No. 8 S.E. Corner of Aurora Way & Childs Street  
No. 19 North Bound - Childs Street & Carlton Avenue  
No. 20 N.E. Corner of Liberty Drive & Bridge Street  
No. 19 S.E. Corner of Manchester Road & Bridge Street  
No. 8 N.W. of Manchester Road (Approx 100' West of Wesley Street)  
No. 1 N.W. of Manchester Road (Approx 100' West of Wesley Street)  
No. 11 N.W. of Manchester Road (Approx 100' Southeast of Gables Boulevard)  
No. 18 N.W. of Manchester Road (Approx 100' East of Gables Boulevard)

**SOUTH BOUND (West Route)**

No. 1 N.W. of Manchester Road (Approx 100' West of Wesley Street)  
No. 11 N.W. of Manchester Road (Approx 100' Southeast of Gables Boulevard)  
No. 11 West Bound - Manchester Road (Approx 100' East of Knollwood Drive)  
No. 11 West Bound - Manchester Road (Approx 100' North of Knollwood Drive)  
No. 19 N.E. Corner of Manchester Road & Dorchester Avenue  
No. 8 S.W. Corner of Liberty Drive & Dorchester Avenue  
No. 19 N.W. Corner of Childs Street & Dorchester Avenue  
No. 11 S.W. Corner of Childs Street & Woodlawn Street  
No. 18 S.W. Corner of Gables Boulevard & Childs Street

**North Bound (East Route)**

No. 4 N.W. Corner of Commerce Drive & Childs Street  
No. 20 N.E. Corner of Childs Street & Dorchester Avenue  
No. 8 S.E. Corner of Aurora Way & Childs Street  
No. 19 East Bound - Childs Street & Carlton Avenue  
No. 19 North Bound - Liberty Drive & Carlton Avenue  
No. 20 N.E. Corner of Liberty Drive & Bridge Street  
No. 19 S.E. Corner of Manchester Road & Bridge Street  
No. 8 N.W. of Manchester Road (Approx 100' West of Wesley Street)  
No. 1 N.W. of Manchester Road (Approx 100' West of Wesley Street)  
No. 11 N.W. of Manchester Road (Approx 100' Southeast of Gables Boulevard)  
No. 18 N.W. of Manchester Road (Approx 100' East of Gables Boulevard)

**South Bound (East Route)**

No. 4 East Bound - Manchester Road (Approx 100' East of Knollwood Drive)  
No. 8 East Bound - Manchester Road (Approx 200' West of Gables Boulevard)  
No. 11 East Bound - Manchester Road (Approx 100' West of Bridge Street)  
No. 20 S.W. Corner of Manchester Road & Bridge Street  
No. 19 N.W. Corner of Bridge Street & Liberty Drive  
No. 20 S.W. Corner of Liberty Drive & Carlton Avenue  
No. 20 N.W. Corner of Carlton Avenue & Childs Street  
No. 11 West Bound - Childs Street (Approx 50' North of Delles Road)  
No. 11 N.E. Corner of Childs Street & Commerce Drive  
No. 18 N.W. Corner of Childs Street & Commerce Drive  
No. 15 South Bound - Gables Boulevard  
No. 15 North Bound - Gables Boulevard  
No. 15 S.E. Corner of Gables Boulevard & Commerce Drive  
No. 4 N.E. Corner of Liberty Drive & Commerce Drive  
No. 14 N.E. Corner of Liberty Drive & Commerce Drive  
No. 4 East Bound - Manchester Road (Approx 100' West of Morgan Avenue)

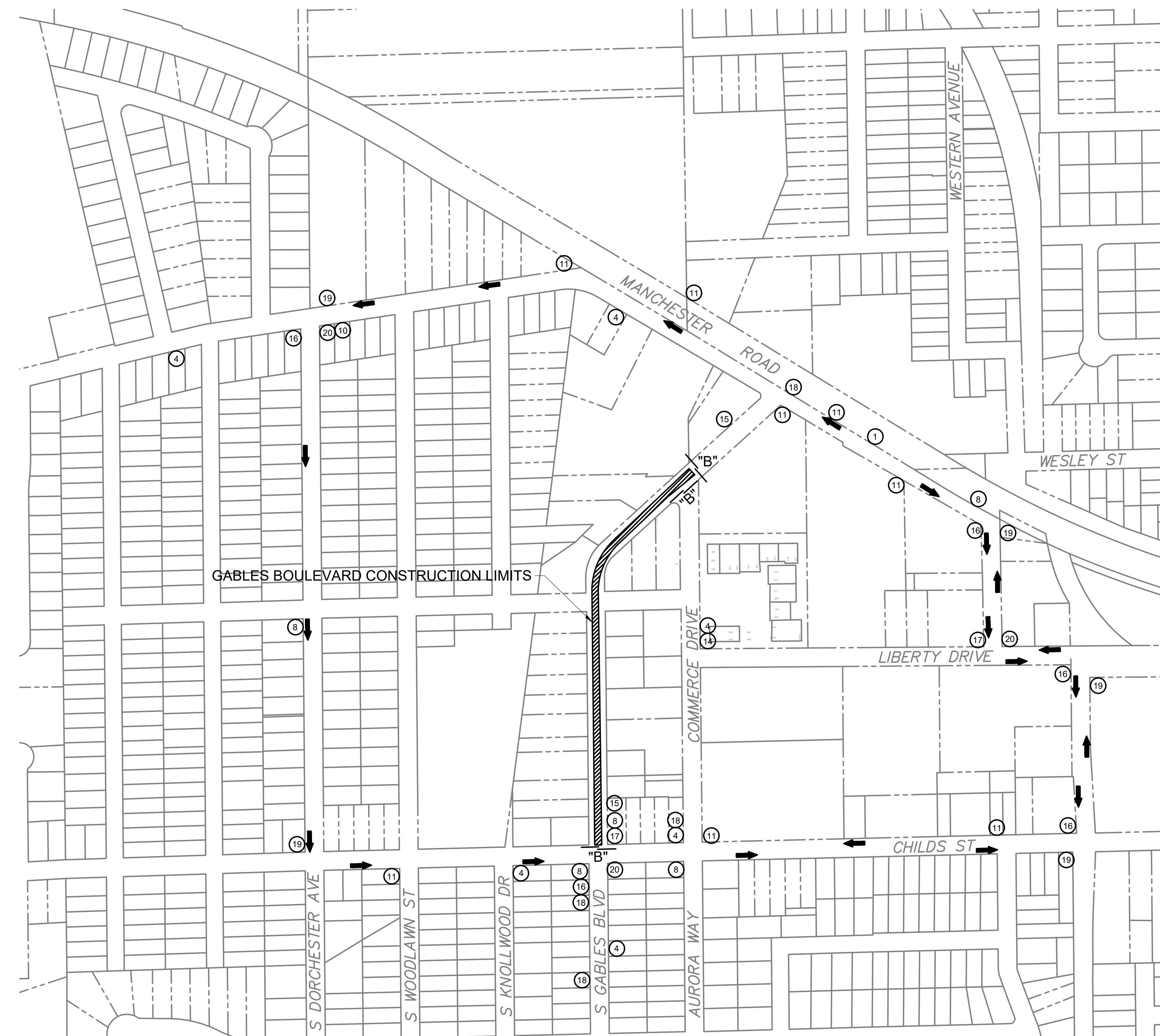
**NOTES:**

AT ALL "B" LOCATIONS 2-TYPE III BARRICADES WILL BE USED (STAGGERED TO ALLOW LOCAL TRAFFIC).

ON ALL TYPE III BARRICADES THE NO. 14 AND NO. 15 SIGN SHALL BE AFFIXED.

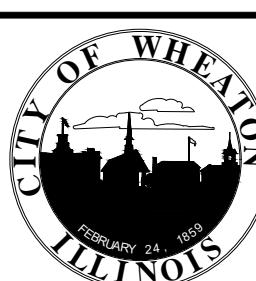
THE ENGINEER RESERVES THE RIGHT TO ADD ADDITIONAL SIGNAGE FOR ALL DETOURS AS DEEMED NECESSARY.

WHENEVER AN (\*) APPEARS ON THE "DETOUR SIGNING LEGEND" **GABLES STREET** SHALL BE INSERTED.



GABLES BOULEVARD DETOUR PLAN

LEGEND:	STORM SEWER	MANHOLE
B BOX	SANITARY SEWER	CATCH BASIN
FIRE HYDRANT	WATER MAIN	INLET
UTILITY POLE	GAS MAIN	VALVE BOX
DECIDUOUS TREE	GAS-GAS	GAS VALVE
EVERGREEN TREE	E-E	PHONE PEDESTAL
TELEPHONE	TEL-TEL	T



**CITY OF WHEATON**  
ENGINEERING DEPARTMENT  
303 WEST WESLEY STREET  
WHEATON, ILLINOIS 60187  
PHONE 630.260.2065  
WWW.WHEATON.IL.US

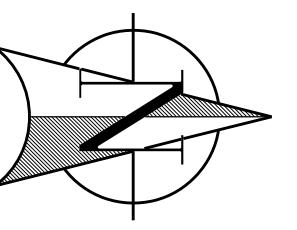
NO.	DATE	REVISION

SURVEYED BY:		
DRAWN BY:	BM - FA	3-21-25
CHECKED BY:	SAL	3-25-25
APPROVED BY:	JET	
NO.	DATE	REVISION

**GABLES BLVD RECONSTRUCTION**  
**CHILDS ST. TO COMMERCE DR.**  
GABLES BOULEVARD  
DETOUR PLAN

MFT SECTION #:	25-00130-00-RS	SHEET 1 OF 1
DRAWING FILE:	GABLES DETOUR.DWG	
SURVEY FILE:		
SCALE:	1"=250'	





0 50 100  
 GRAPHIC SCALE - FEET

**GABLES BLVD RECONSTRUCTION  
 CHILDS ST. TO COMMERCE DR.**

Prepared For:  
 CITY OF WHEATON  
 303 W. Webster Street  
 Wheaton IL 60187  
 630-260-2000



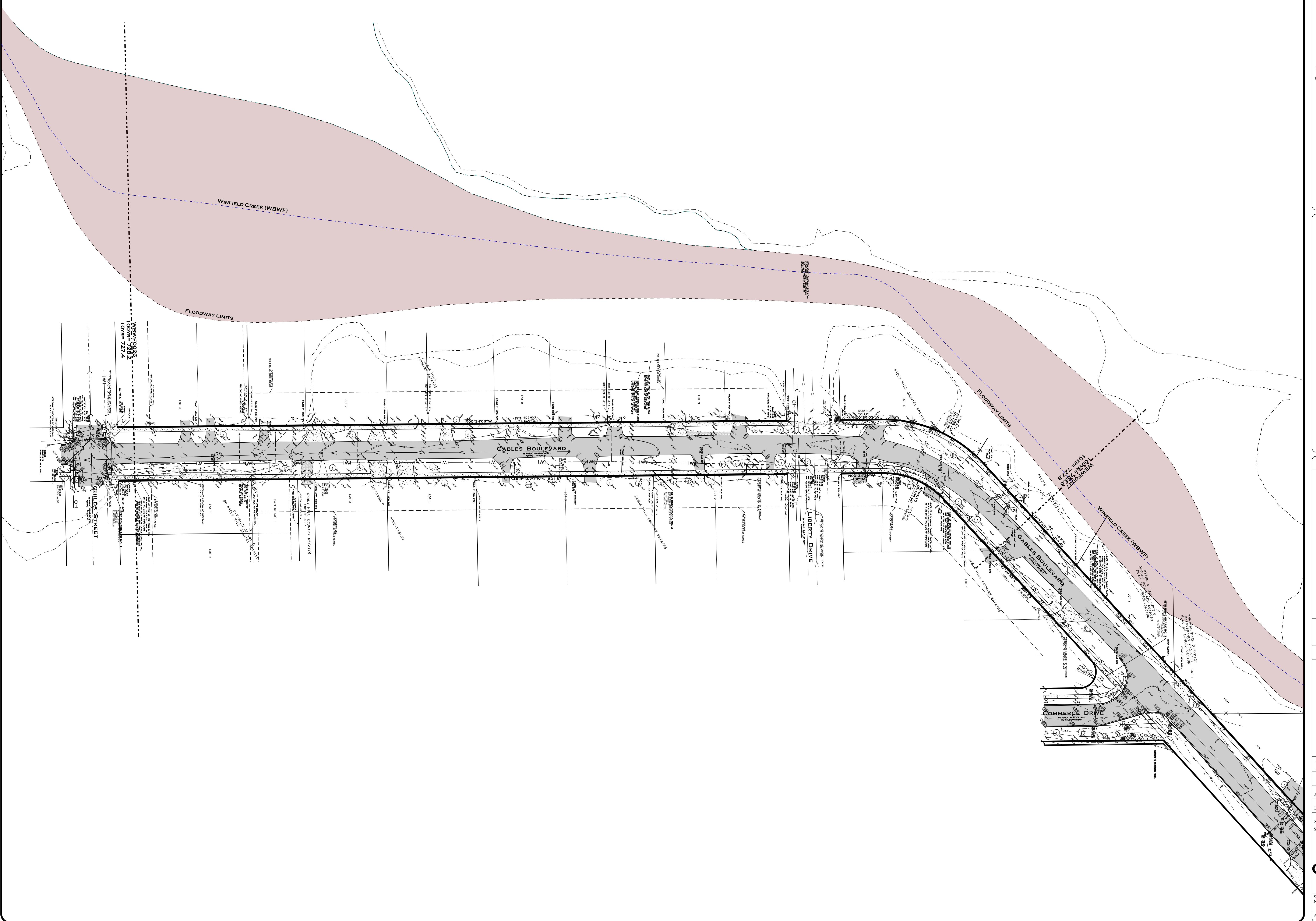
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BY		

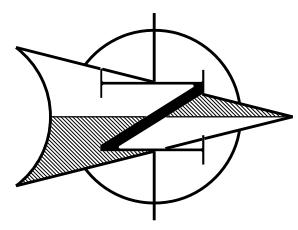
LENDERED PROFESSIONAL ENGINEER  
 STEPHEN M. RICHARDS  
 062-054556  
 STATE OF ILLINOIS

STEPHEN 'MARK' RICHARDS  
 LICENSE EXPIRES 11/30/2025  
 Section-Township-Range  
 DuPage: SW 1/4 17-39N-10E  
 JOB # 44959 SURV: CLB  
 DRAWN: RLS REVIEW: SMR  
 SCALE: 1"=50' DATE: 02-06-2025  
 SHEET TITLE:

**EXISTING  
 CONDITIONS**

SHEET NAME **C-1.1**  
 SHEET # 02 of 26





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 GRAPHIC SCALE - FEET

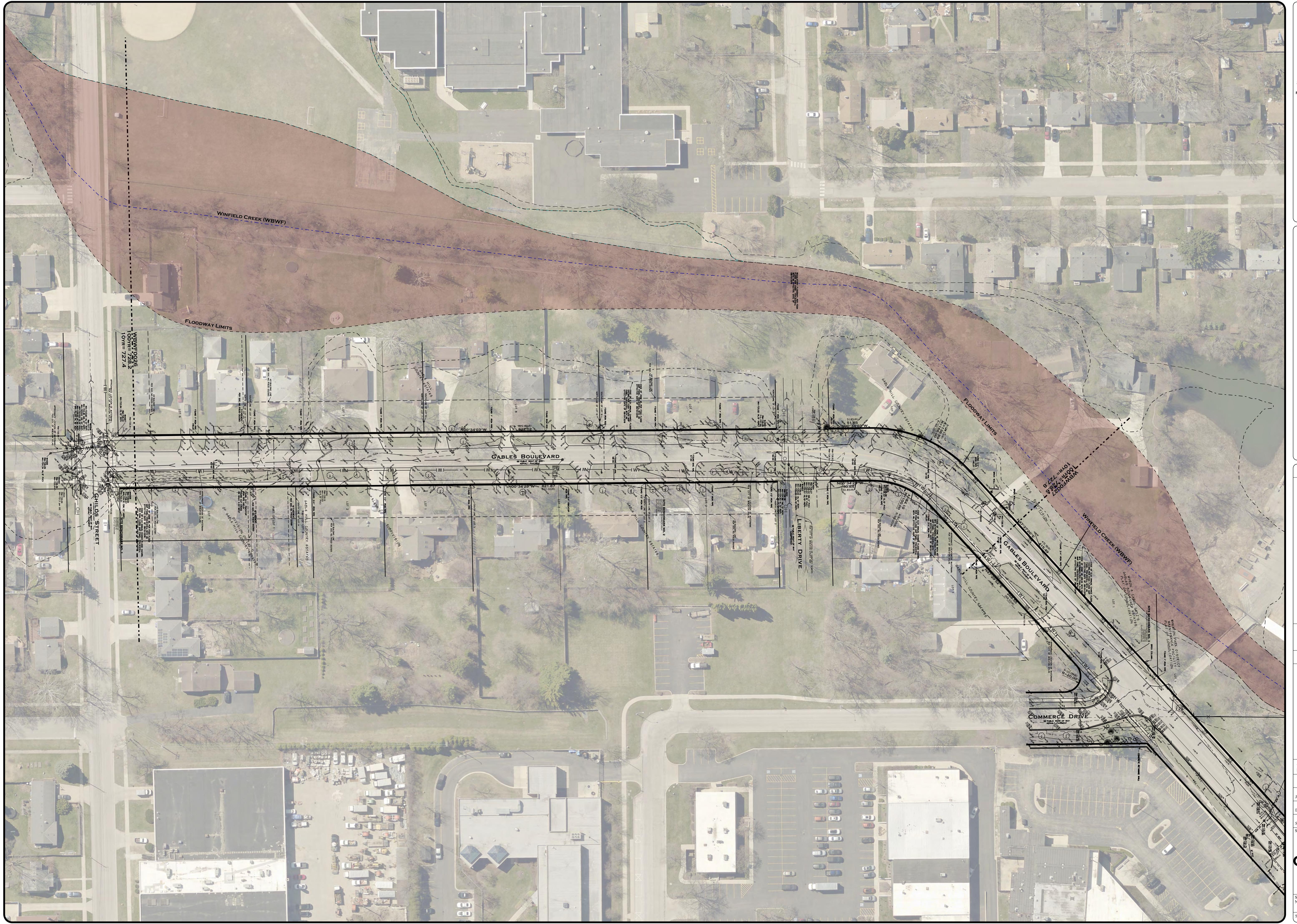
**GABLES BLVD RECONSTRUCTION  
 CHILDS ST. TO COMMERCE DR.**

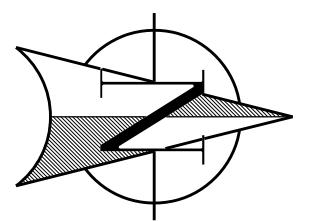
Prepared For:  
 CITY OF WHEATON  
 303 W. Webster Street  
 Wheaton, IL 60187  
 630-260-2000



REV#	DATE	REVISION DESCRIPTION

STEPHEN M. RICHARDS  
 LICENSE EXPIRES 11/02/2025  
 Section-Township-Range  
 DuPage: SW 1/4 17-39N-10E  
 JOB # 44959 SURV: CLB  
 DRAWN: RLS REVIEW: SMR  
 SCALE: 1"=50' DATE: 02-06-2025  
 SHEET TITLE:  
**EXISTING  
 CONDITIONS  
 AERIAL**  
 SHEET NAME C-1.2  
 SHEET # 03 of 26



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GRAPHIC SCALE - FEET**GABLES BLVD RECONSTRUCTION  
CHILDS ST. TO COMMERCE DR.**Prepared For:  
CITY OF WHEATON  
303 W. Webster Street  
Wheaton IL 60187  
630-260-2000

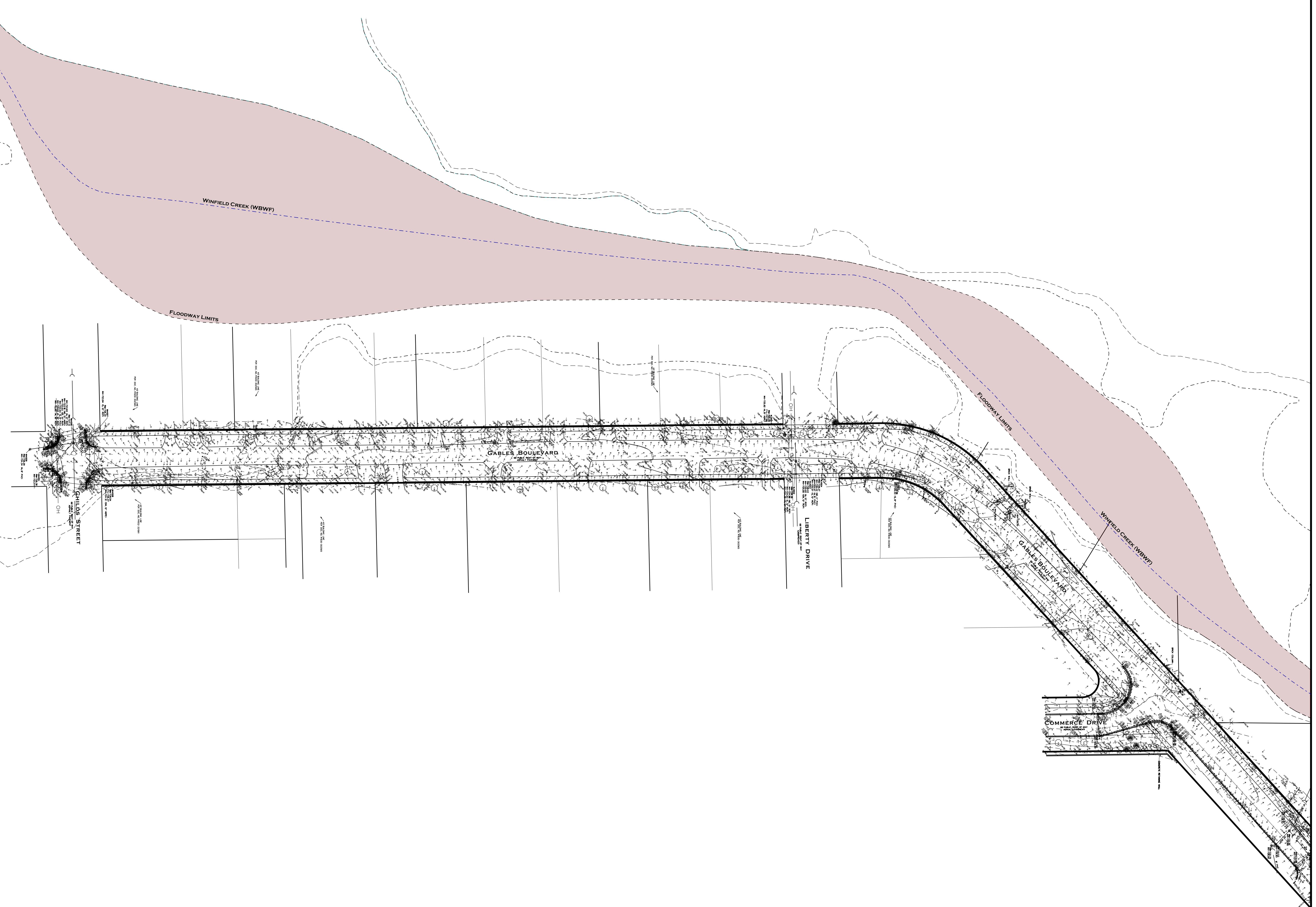
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BY		

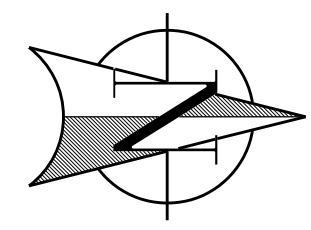
  

LENDERED PROFESSIONAL ENGINEER STEPHEN M. RICHARDS 062-054556 STATE OF ILLINOIS	
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STEPHEN 'MARK' RICHARDS  
LICENSE EXPIRES 11/30/2025  
Section-Township-Range  
DuPage: SW 1/4 17-39N-10E  
JOB # 44959 SURV: CLB  
DRAWN: RLS REVIEW: SMR  
SCALE: 1"=50' DATE: 02-06-2025

SHEET TITLE:  
**EXISTING  
CONDITIONS  
DRAINAGE**  
SHEET NAME **C-1.3**  
SHEET # 04 of 26





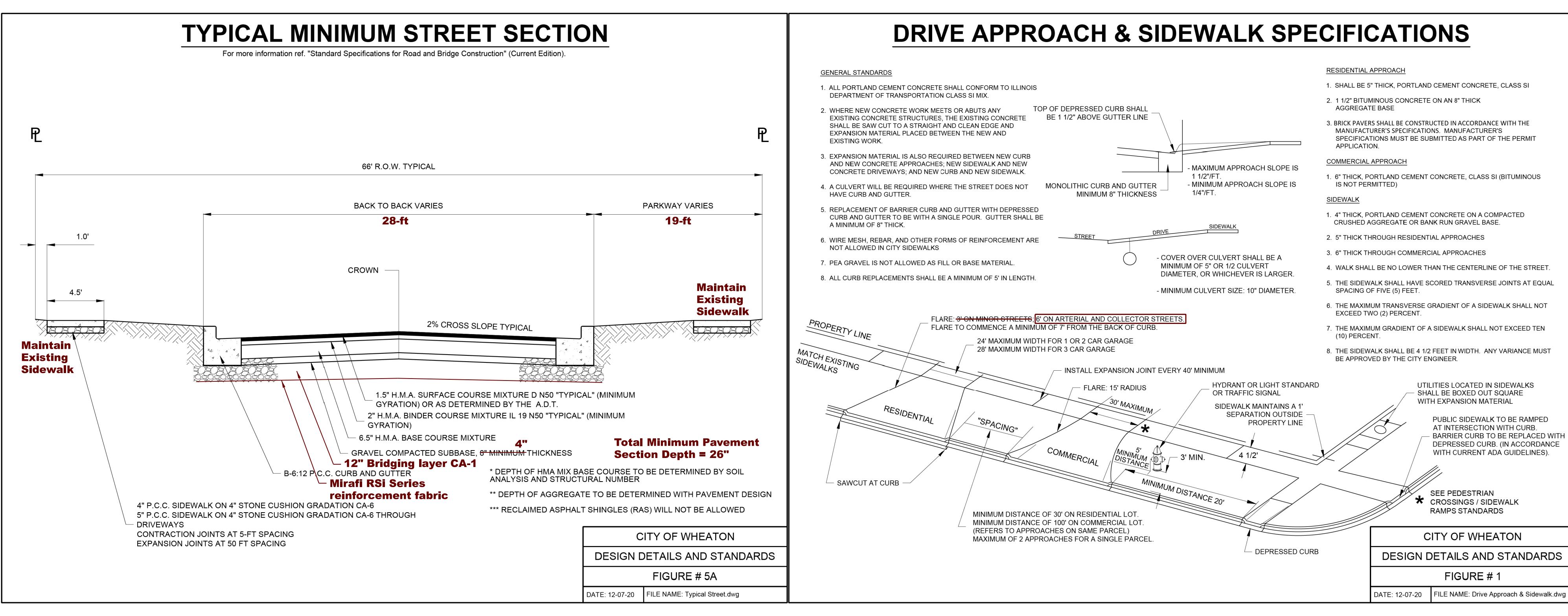
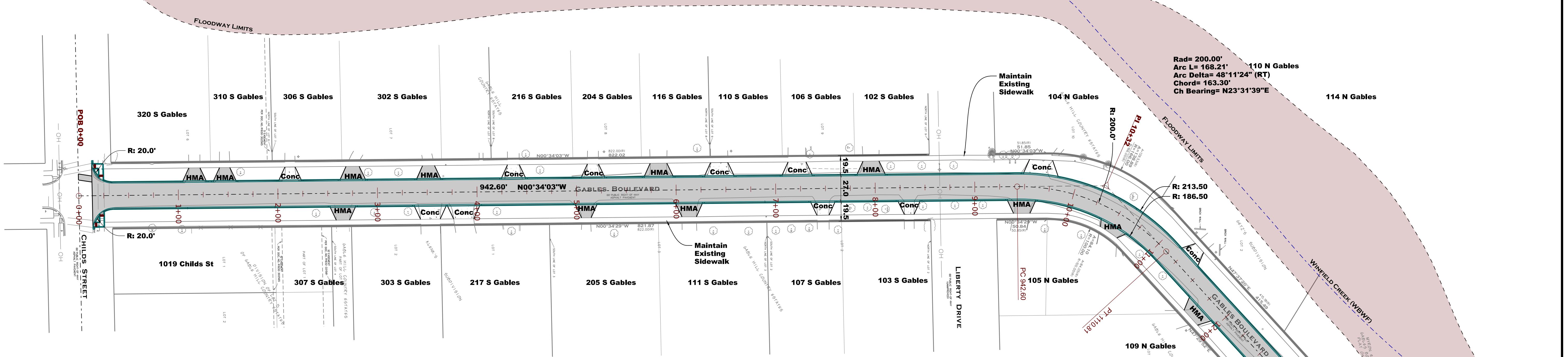
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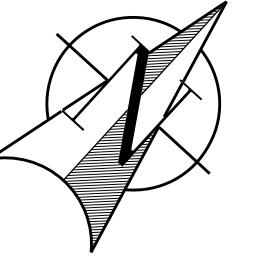
**GABLES BLVD RECONSTRUCTION  
 CHILDS ST. TO COMMERCE DR.**

Prepared For:  
 CITY OF WHEATON  
 303 W. Webster Street  
 Wheaton, IL 60187  
 630-260-2000



REV#	DATE	REVISION DESCRIPTION
 <b>STEPHEN M. RICHARDS</b> 062-054556		
<b>STEPHEN 'MARK' RICHARDS</b> LICENSE EXPIRES 11/02/2025 Section-Township-Range DuPage: SW 1/4 17-39N-10E		
JOB # 44959 SURV: CLB DRAWN: RLS REVIEW: SMR SCALE: 1"=50' DATE: 02-06-2025 SHEET TITLE:		
<b>GEOMETRIC PLAN</b> SHEET NAME <b>C-2.1</b> SHEET # 05 of 26		





**GABLES BLVD RECONSTRUCTION  
 CHILDS ST. TO COMMERCE DR.**

Prepared For:  
 CITY OF WHEATON  
 303 W. Webster Street  
 Wheaton, IL 60187  
 630-260-2000



REV#	DATE	REVISION DESCRIPTION
BY		

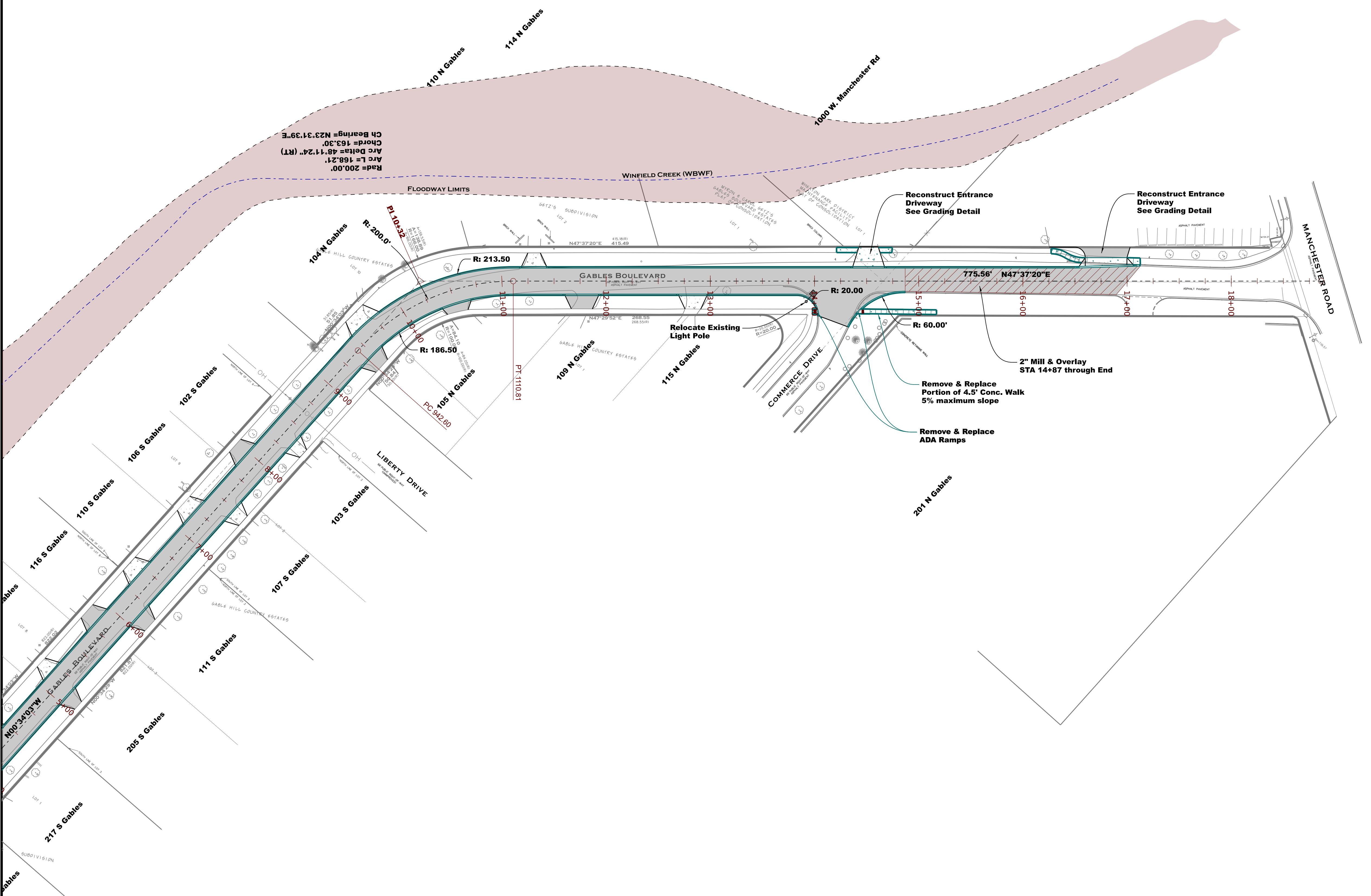
LENDERED PROFESSIONAL ENGINEER  
 STEPHEN M. RICHARDS  
 062-054556  
 STATE OF ILLINOIS

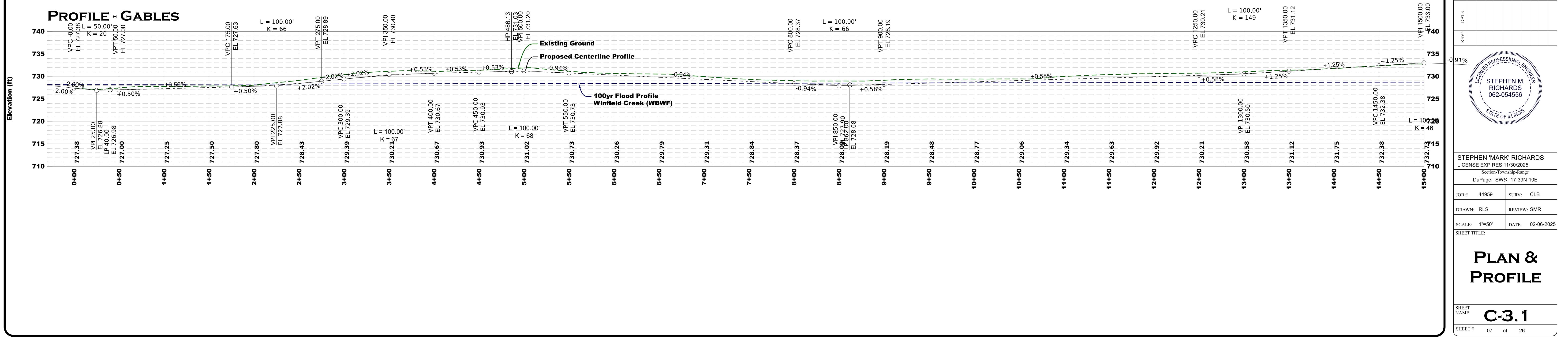
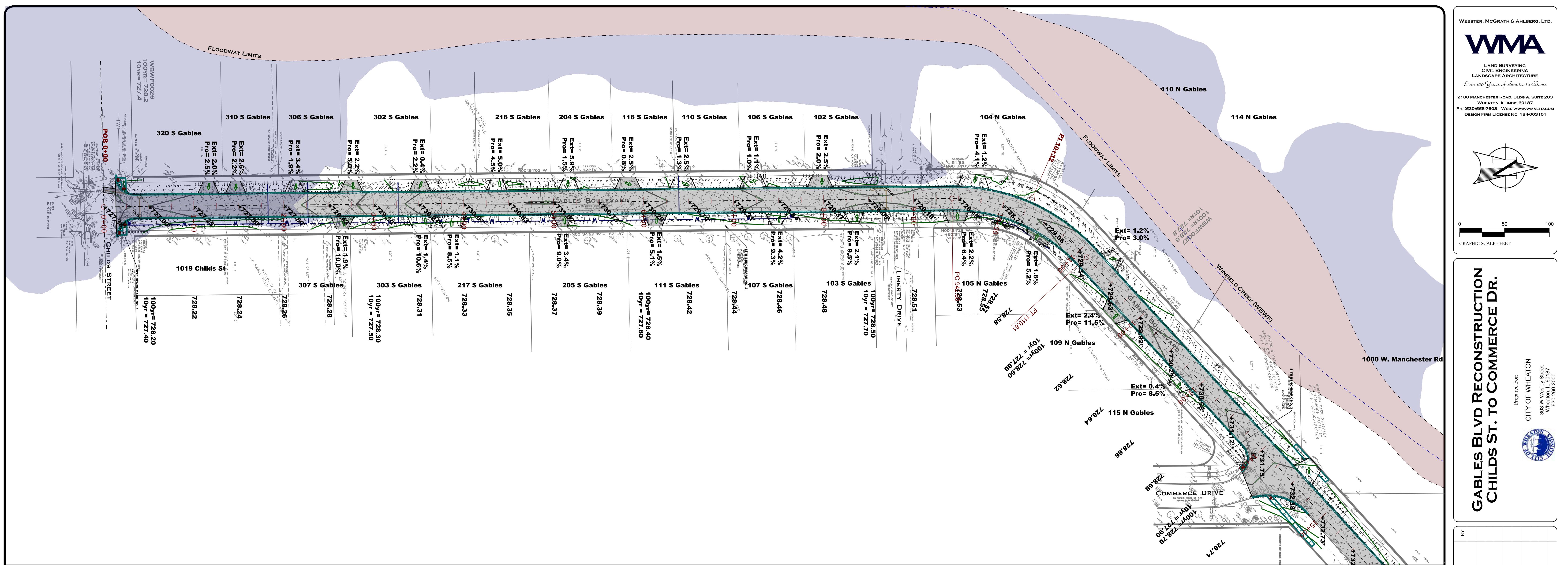
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 LICENSE EXPIRES 11/30/2025  
 Section-Township-Range  
 DuPage: SW 1/4 17-39N-10E  
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 DRAWN: RLS REVIEW: SMR  
 SCALE: 1"=50' DATE: 02-06-2025  
 SHEET TITLE:

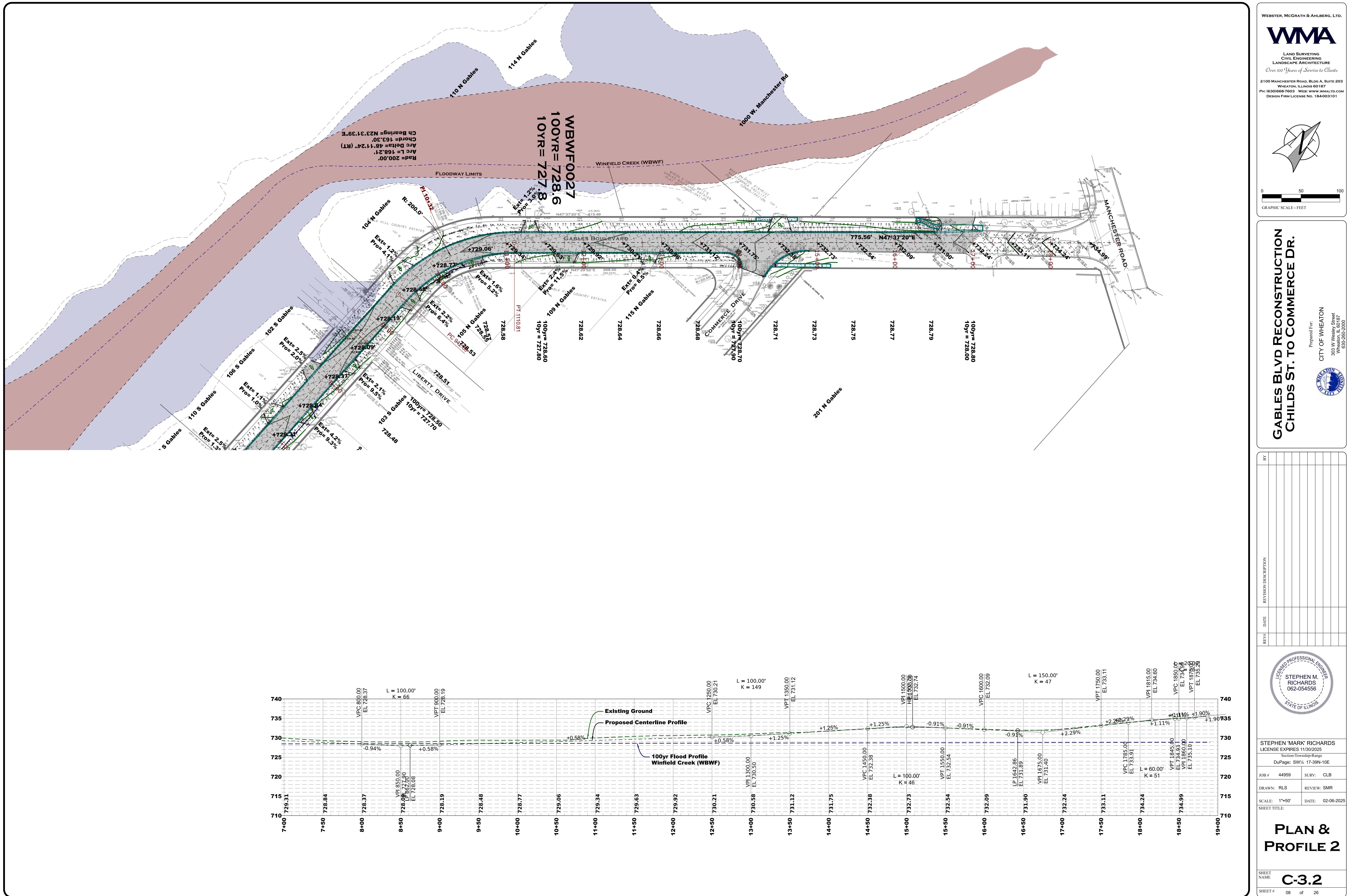
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 PLAN 2**

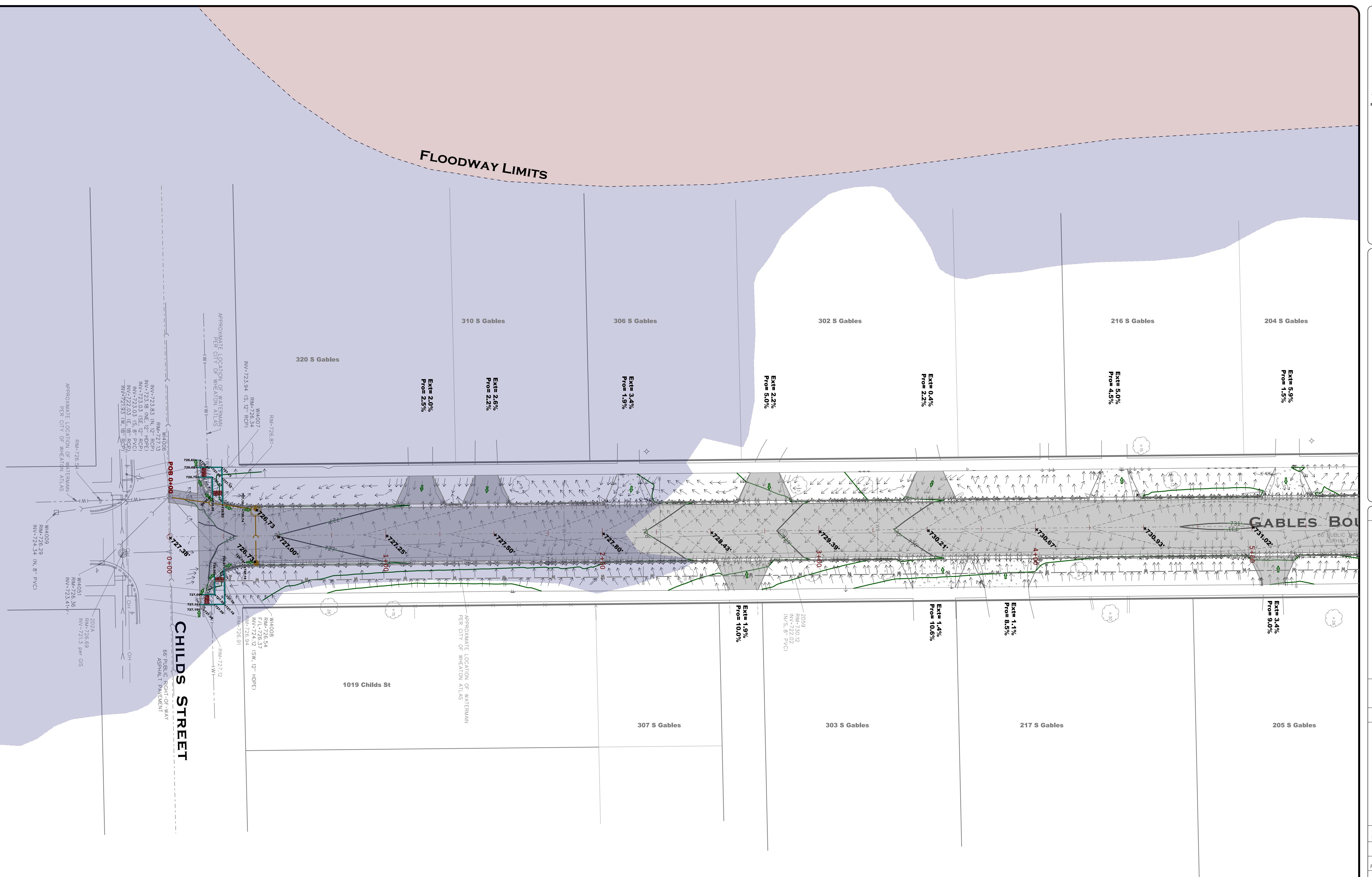
**C-2.2**

SHEET NAME  
 SHEET # 06 of 26







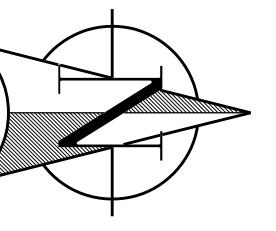


**WMA**

LAND SURVEYING  
CIVIL ENGINEERING  
LANDSCAPE ARCHITECTURE

100 Years of Service to Clients

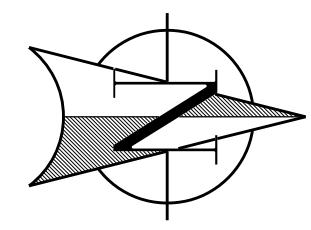
ICHESTER ROAD, BLDG A, SUITE 203  
WHEATON, ILLINOIS 60187  
68-7603 WEB: [WWW.WMALTD.COM](http://WWW.WMALTD.COM)  
N FIRM LICENSE NO. 184-003101



CABLES BY TELEGRAPH  
CHILD'S ST. TO COMMERCE DR.

Prepared For:  
Y OF WHEATON  
103 W Wesley Street  
Wheaton, Ill. 60187

# GRADING PLAN 1



0 20 40  
GRAPHIC SCALE - FEET

**GABLES BLVD RECONSTRUCTION  
CHILD'S ST. TO COMMERCE DR.**

Prepared For:  
 CITY OF WHEATON  
 303 W. Webster Street  
 Wheaton, IL 60187  
 630-262-0200

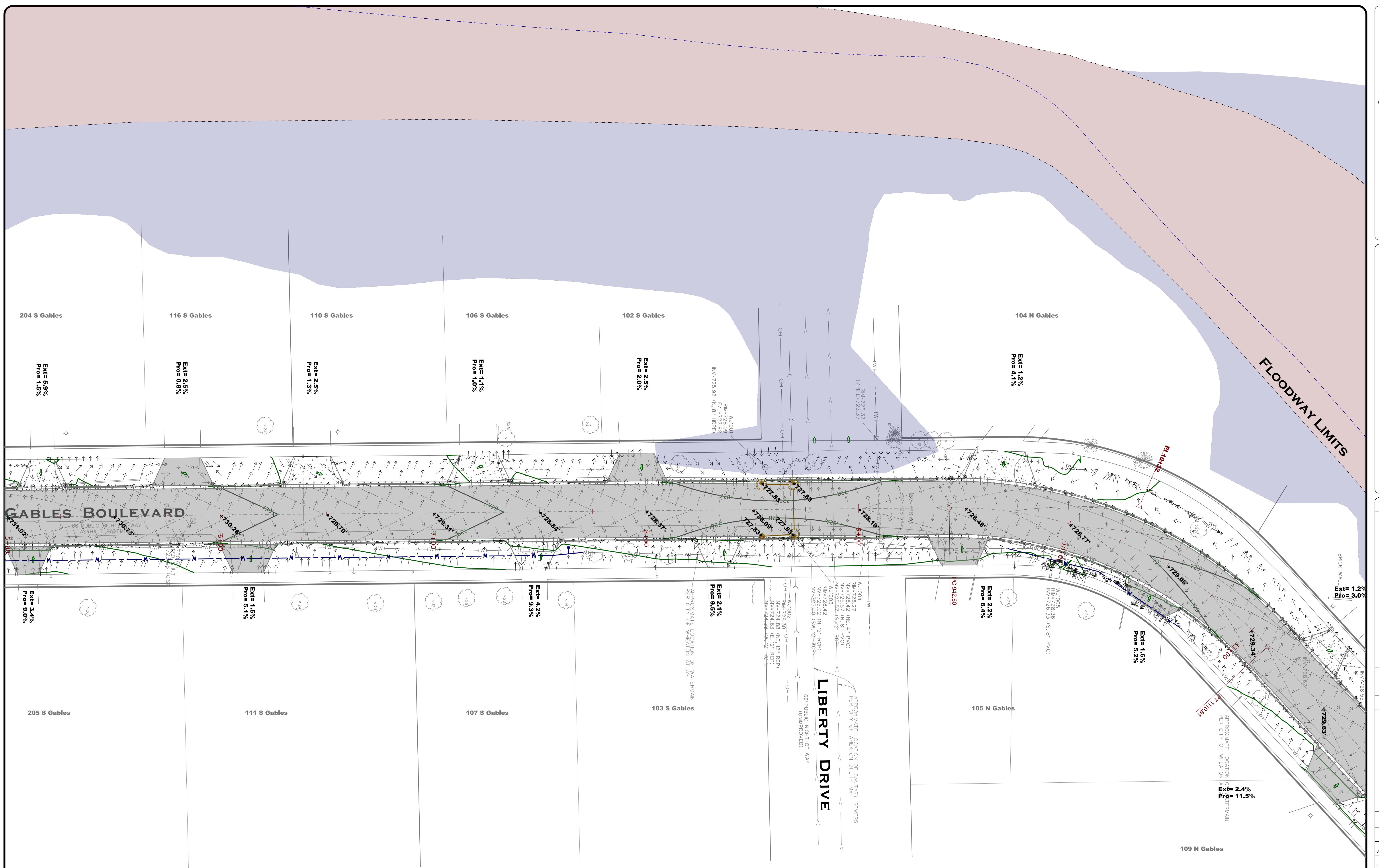


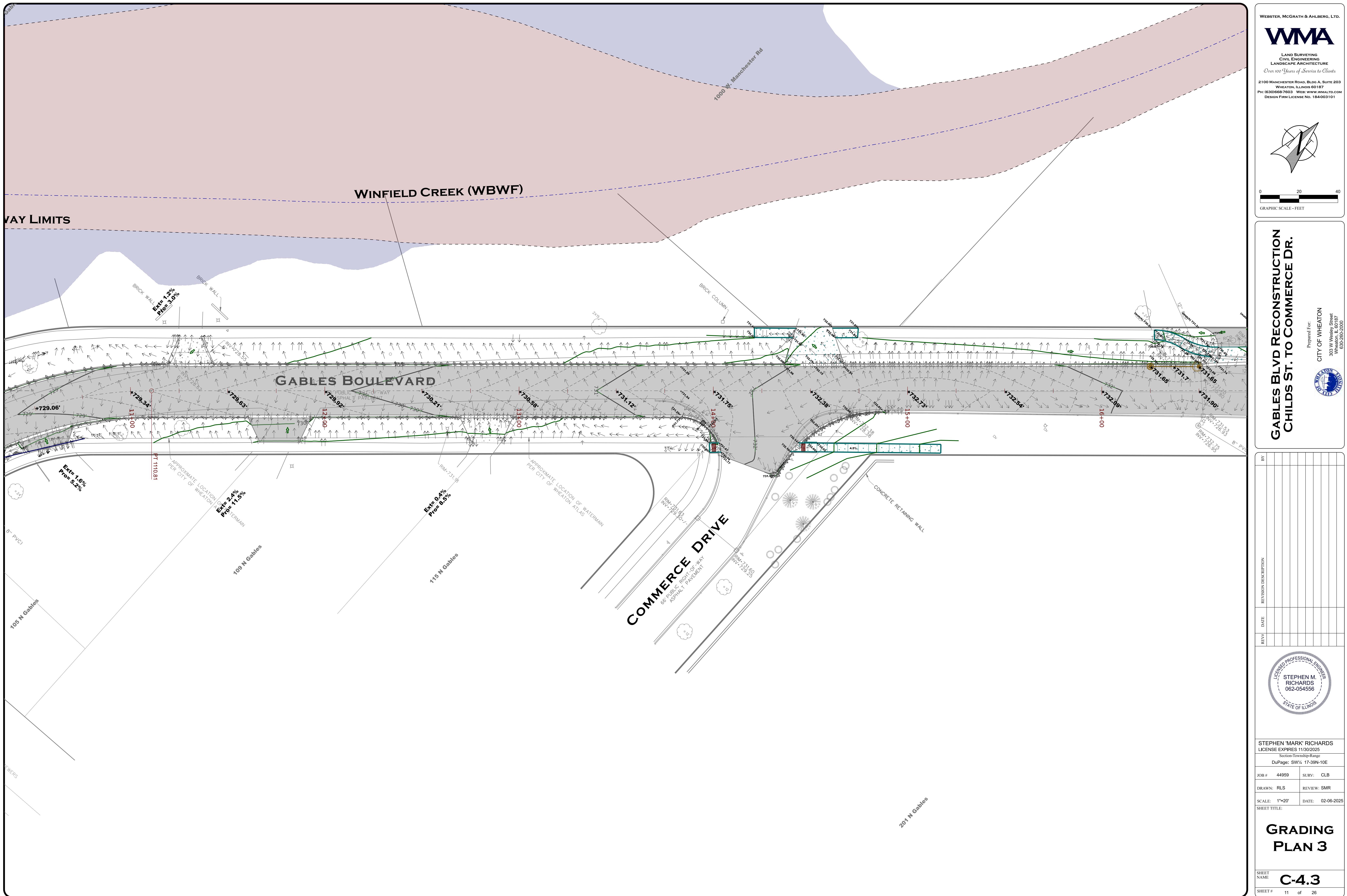
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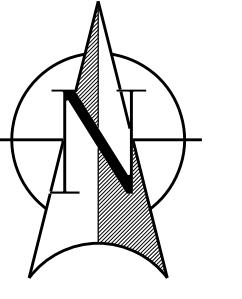
LEARNED PROFESSIONAL ENGINEER  
 STATE OF ILLINOIS  
 STEPHEN M. RICHARDS  
 062-054556

STEPHEN 'MARK' RICHARDS  
 LICENSE EXPIRES 11/02/2025  
 Section-Township-Range  
 DuPage: SW 1/4 17-39N-10E  
 JOB # 44959 SURV: CLB  
 DRAWN: RLS REVIEW: SMR  
 SCALE: 1"=20' DATE: 02-06-2025  
 SHEET TITLE:

**GRADING PLAN 2**  
 SHEET NAME **C-4.2**  
 SHEET # 10 of 26







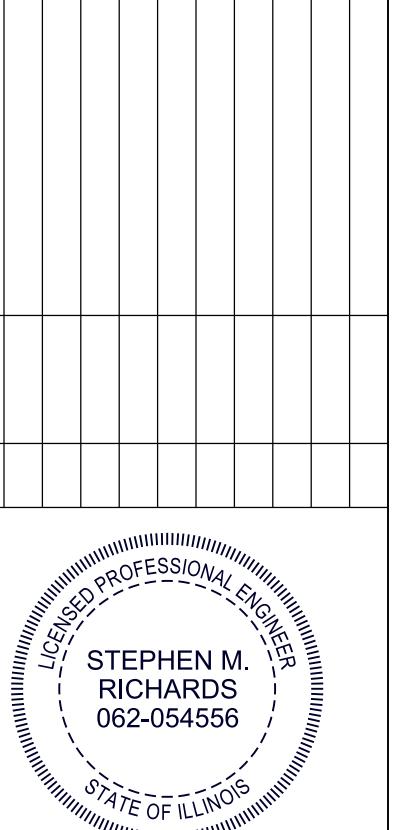
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GRAPHIC SCALE - FEET

**GABLES BLVD RECONSTRUCTION  
CHILDS ST. TO COMMERCE DR.**

Prepared For:  
 CITY OF WHEATON  
 303 W. Webster Street  
 Wheaton IL 60187  
 630-260-2000

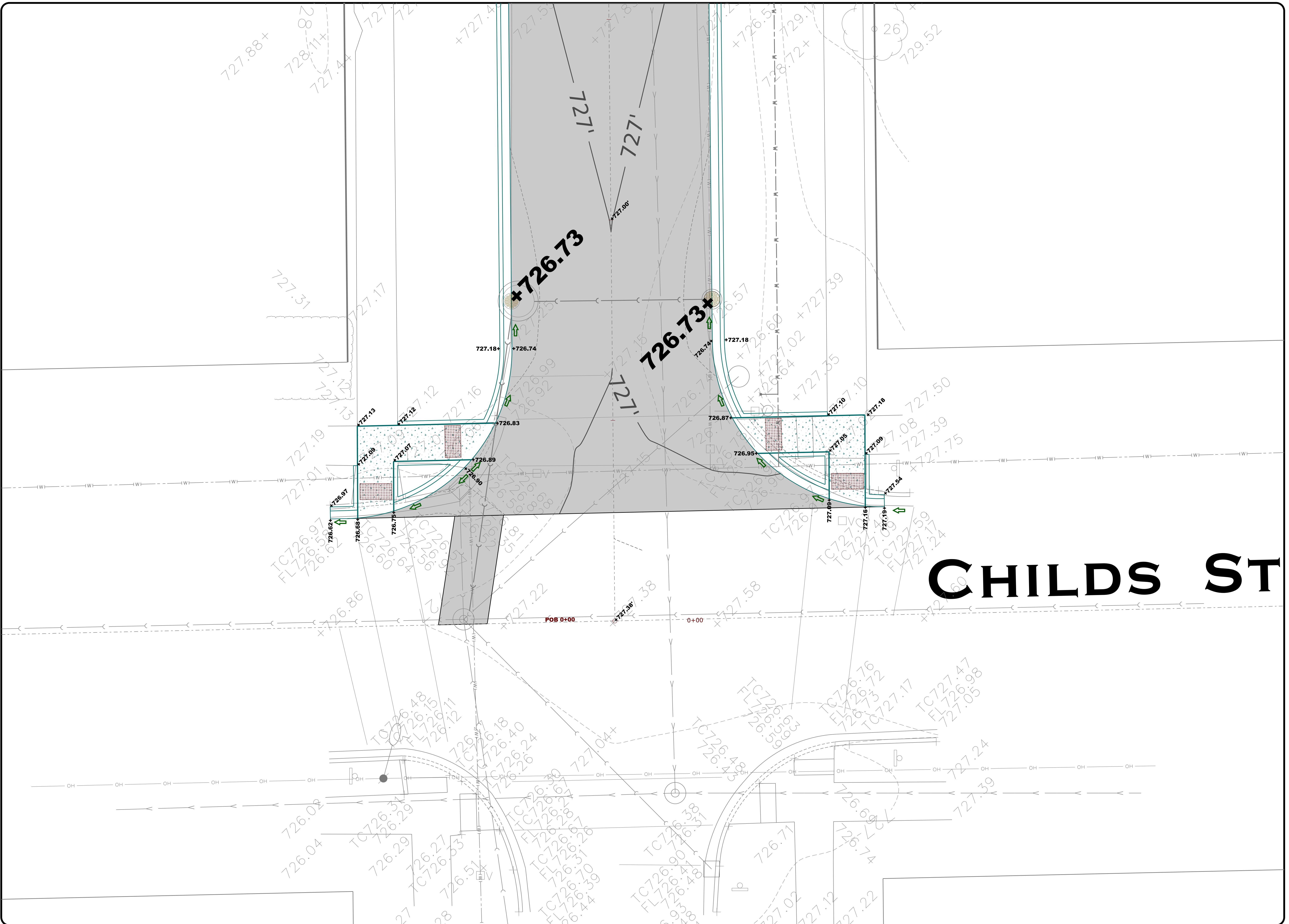


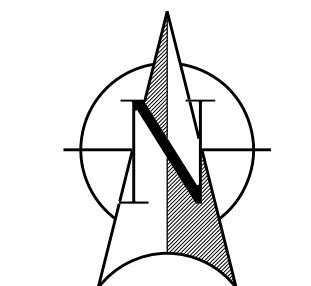
**CHILDS ST**



STEPHEN M.  
RICHARDS  
062-054556  
LICENSE EXPIRES 11/02/2025  
Section-Township-Range  
DuPage: SW 1/4 17-39N-10E  
JOB # 44959 SURV: CLB  
DRAWN: RLS REVIEW: SMR  
SCALE: 1"=5' DATE: 02-06-2025  
SHEET TITLE: CHILDS STREET DETAIL

**C-4.4**  
SHEET NAME  
SHEET # 12 of 26





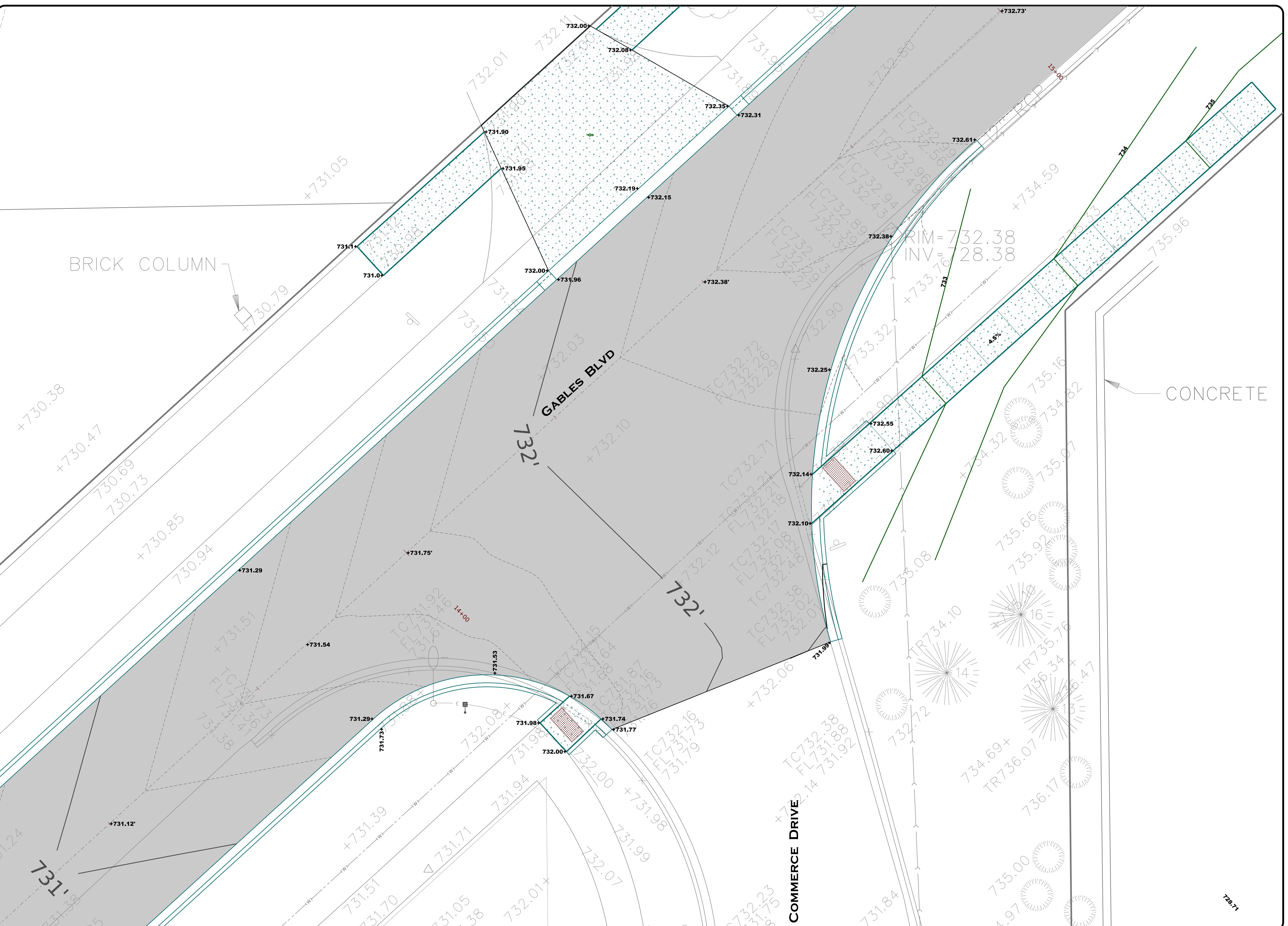
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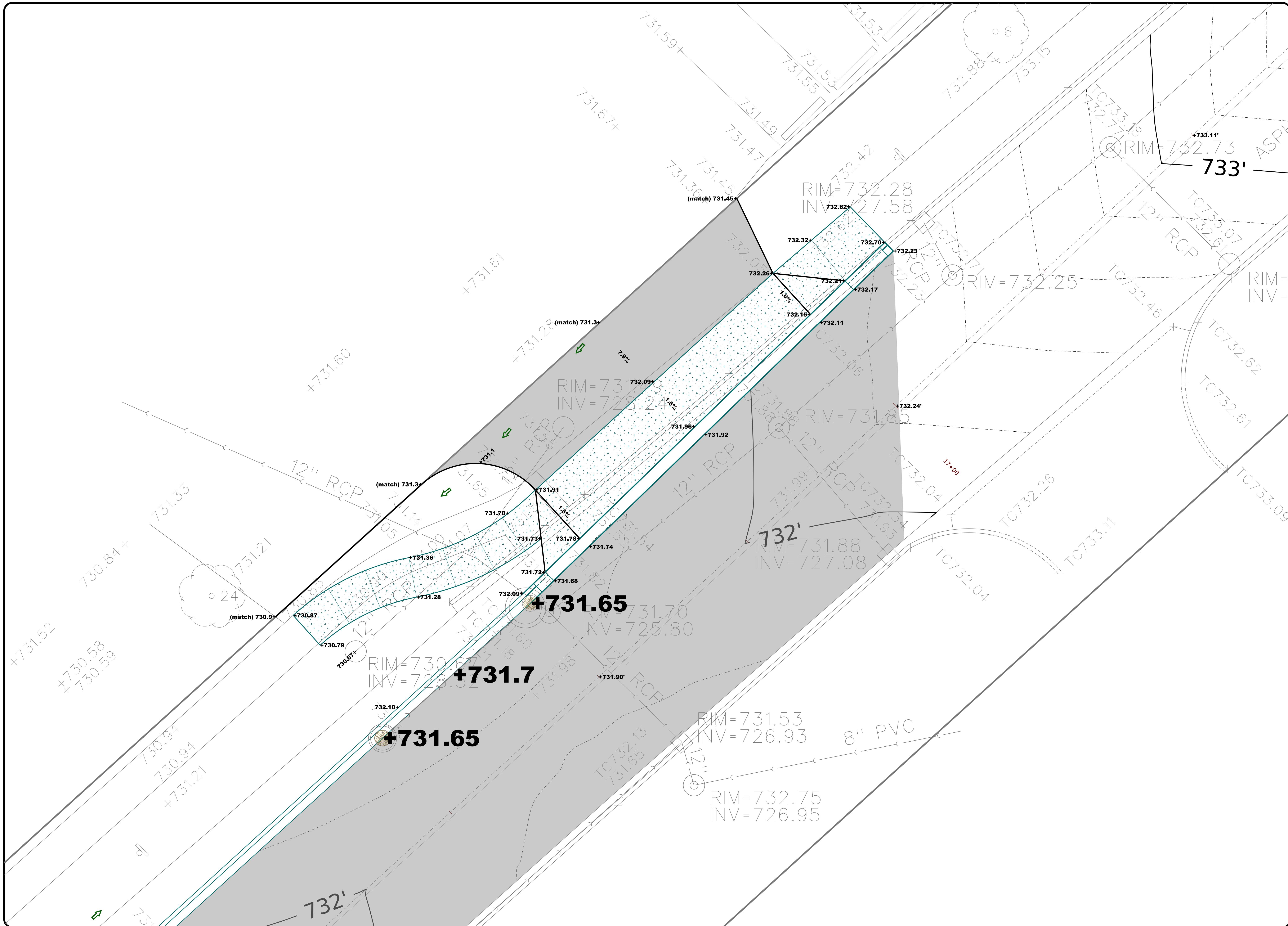
**GABLES BLVD RECONSTRUCTION  
 CHILDS ST. TO COMMERCE DR.**

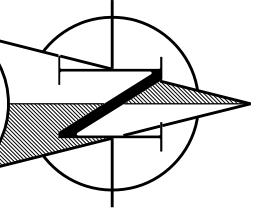
Prepared For:  
 CITY OF WHEATON  
 303 W. Wheaton Street  
 Wheaton IL 60187  
 630-260-2000



REV#	DATE	REVISION DESCRIPTION
BY		
 <b>LEARNED PROFESSIONAL ENGINEER</b> <b>STEPHEN M. RICHARDS</b> <b>062-054556</b> <b>STATE OF ILLINOIS</b>		
<b>STEPHEN 'MARK' RICHARDS</b> <b>LICENSE EXPIRES 11/02/2025</b> <b>Section-Township-Range</b> <b>DuPage: SW 1/4 17-39N-10E</b> <b>JOB # 44959 SURV: CLB</b> <b>DRAWN: RLS REVIEW: SMR</b> <b>SCALE: 1"=5'</b> <b>DATE: 02-06-2025</b> <b>SHEET TITLE: COMMERCE DRIVE DETAIL</b> <b>SHEET NAME C-4.5</b> <b>SHEET # 13 of 26</b>		







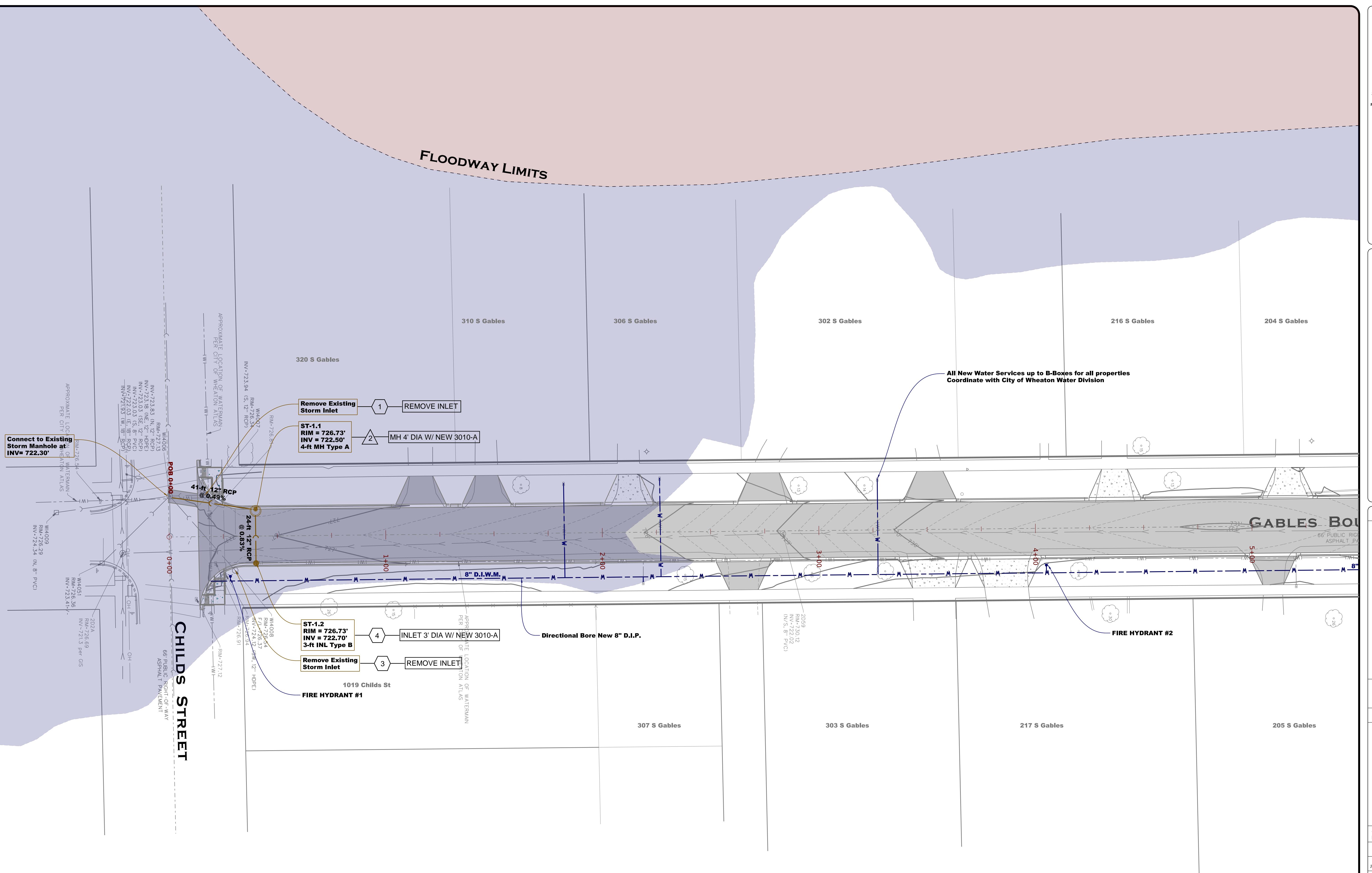
Prepared For: **WHEATON**  
33 VW Wesley Street  
Wheaton, IL 60187  
630-260-2000

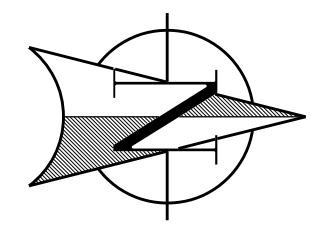
# GABLES BLVD RECONSTRUCTION CHILD'S ST. TO COMMERCE DR.

Prepared For:  
**CITY OF WHEATON**  
303 W Wesley Street  
Wheaton, IL 60187  
630-260-2000

STEPHEN M. RICHARDS	
LICENSE EXPIRES 11/30/2025	
Section-Township-Range	
DuPage: SW $\frac{1}{4}$ 17-39N-10E	
#	44959
SURV: CLB	
WN: RLS	REVIEW: SMR

# UTILITY PLAN 1





0 20 40  
GRAPHIC SCALE - FEET

**GABLES BLVD RECONSTRUCTION  
CHILDS ST. TO COMMERCE DR.**

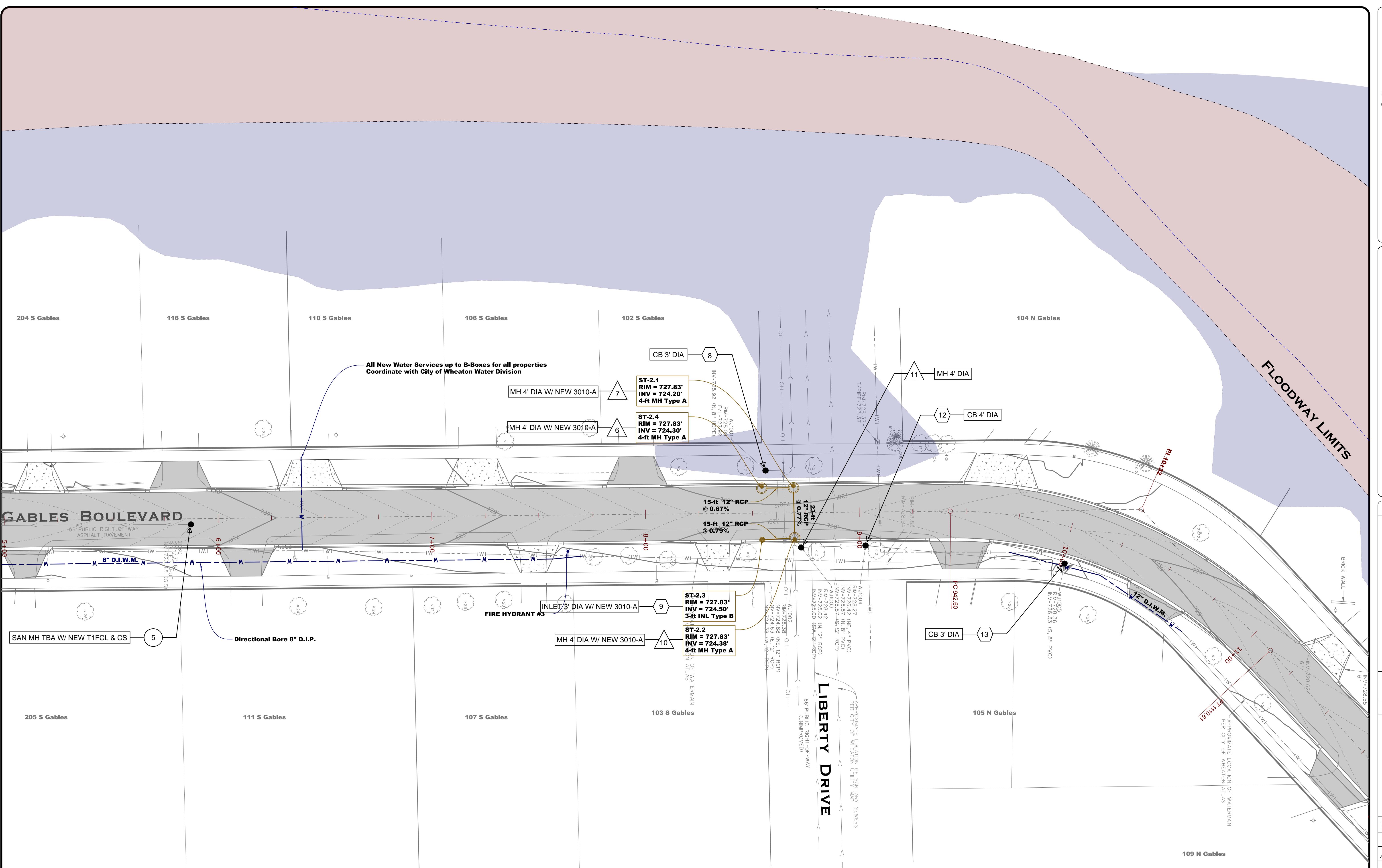
Prepared For:  
 CITY OF WHEATON  
 303 W. Webster Street  
 Wheaton, IL 60187  
 630-260-2000

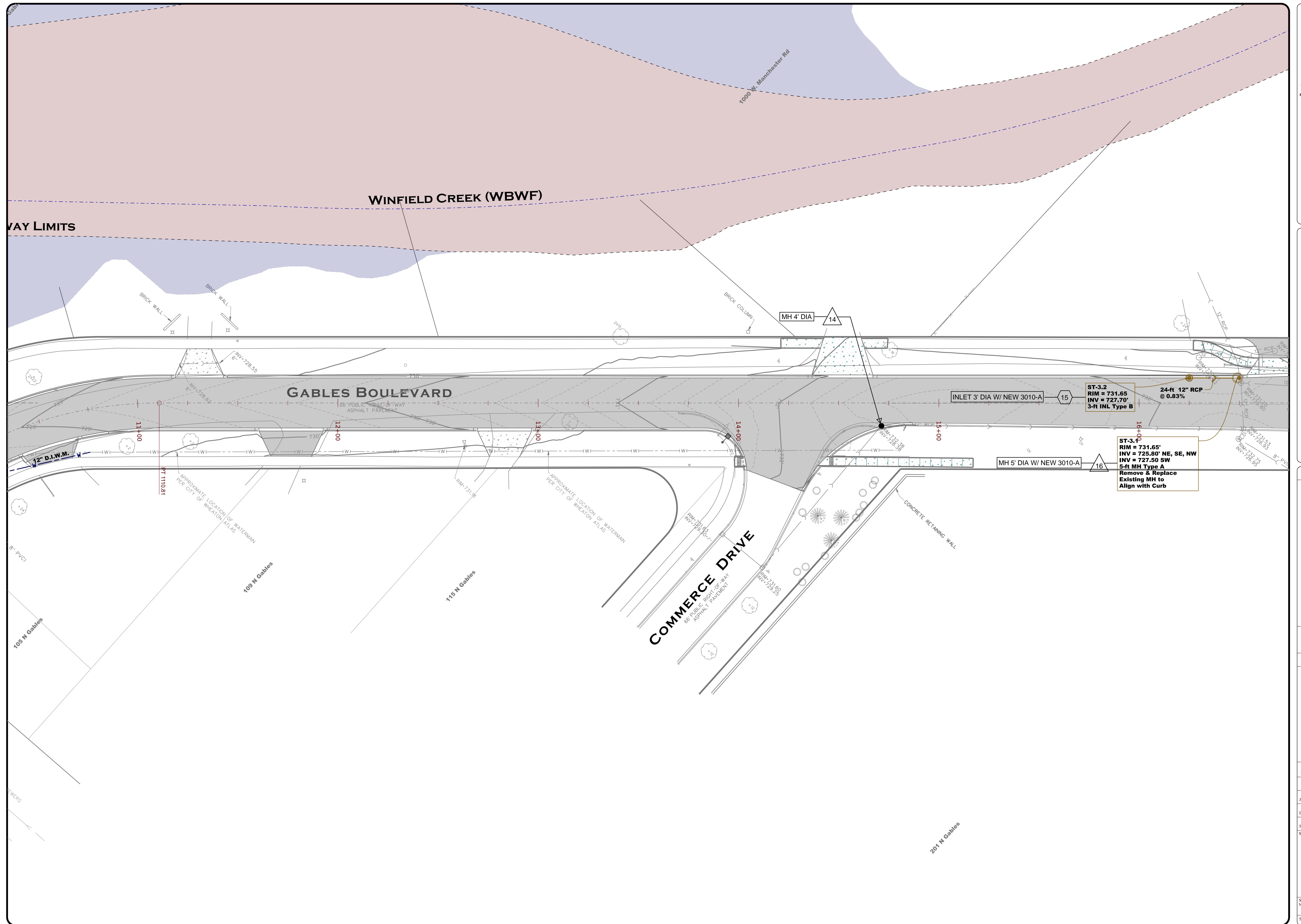


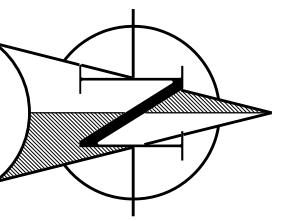
REV#	DATE	REVISION DESCRIPTION
		LEARNED PROFESSIONAL ENGINEER STEPHEN M. RICHARDS 062-054556 STATE OF ILLINOIS

STEPHEN 'MARK' RICHARDS  
 LICENSE EXPIRES 11/02/2025  
 Section-Township-Range  
 DuPage: SW 1/4 17-39N-10E  
 JOB # 44959 SURV: CLB  
 DRAWN: RLS REVIEW: SMR  
 SCALE: 1"=20' DATE: 02-06-2025  
 SHEET TITLE:

**UTILITY  
PLAN 2**  
 SHEET NAME **C-5.2**  
 SHEET # 17 of 26







0 50 100  
 GRAPHIC SCALE - FEET

**GABLES BLVD RECONSTRUCTION  
 CHILDS ST. TO COMMERCE DR.**

Prepared For:  
 CITY OF WHEATON  
 303 W. Webster Street  
 Wheaton IL 60187  
 630-260-2000



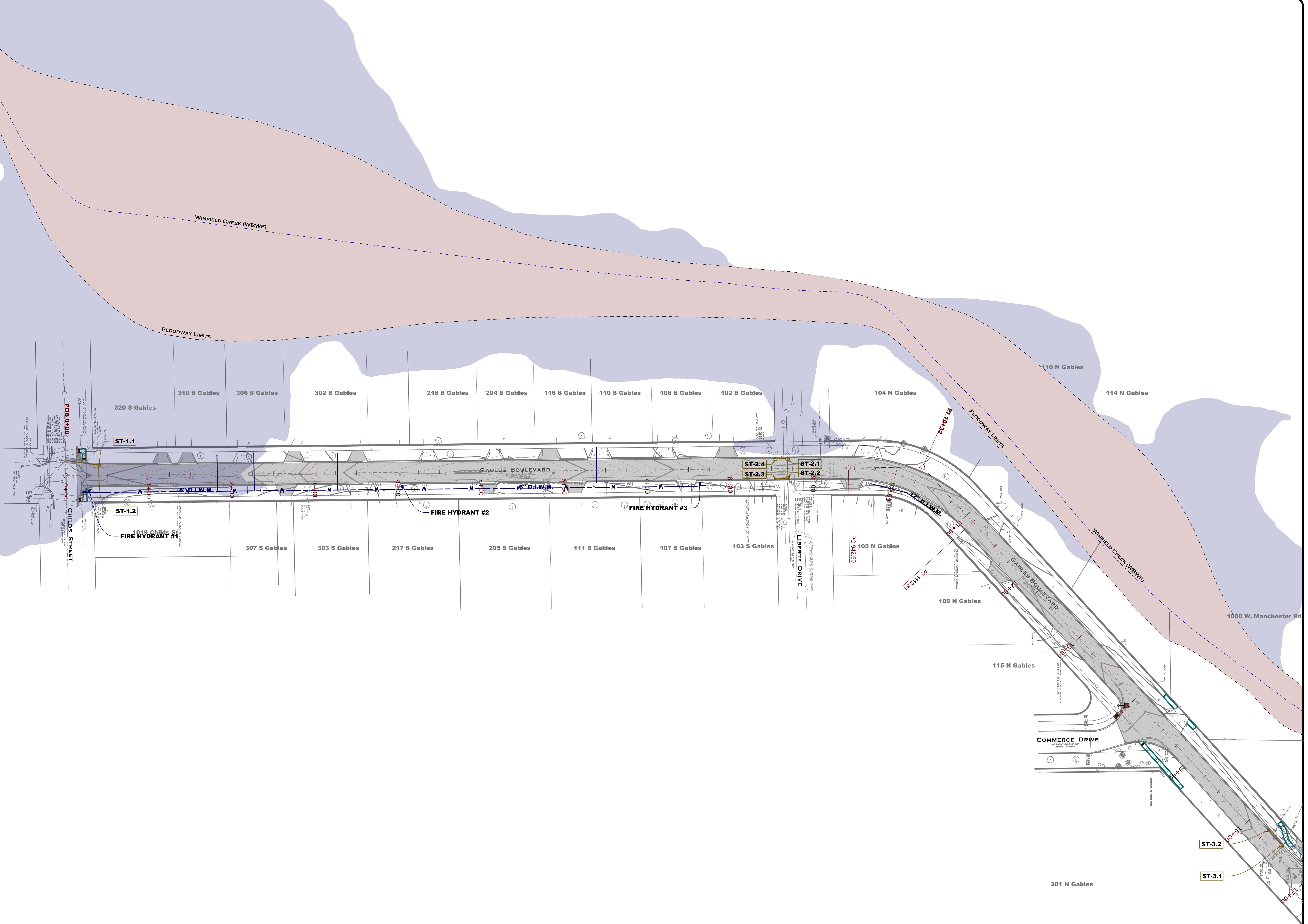
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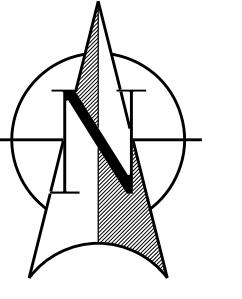
LENDERED PROFESSIONAL ENGINEER  
 STEPHEN M. RICHARDS  
 062-054556  
 STATE OF ILLINOIS

STEPHEN 'MARK' RICHARDS  
 LICENSE EXPIRES 11/30/2025  
 Section-Township-Range  
 DuPage: SW 1/4 17-39N-10E  
 JOB # 44959 SURV: CLB  
 DRAWN: RLS REVIEW: SMR  
 SCALE: 1"=50' DATE: 02-06-2025  
 SHEET TITLE:

**UTILITY  
 PLAN**

**C-5**  
 SHEET NAME  
 SHEET # 15 of 26

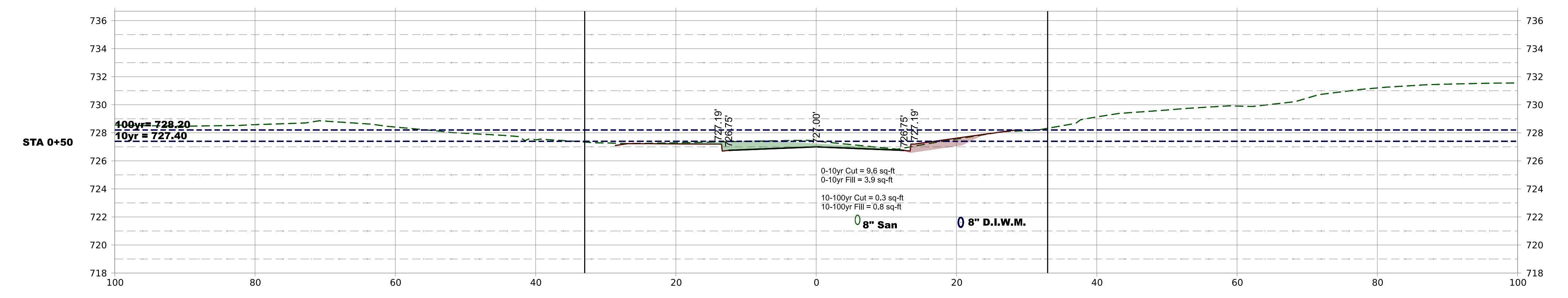
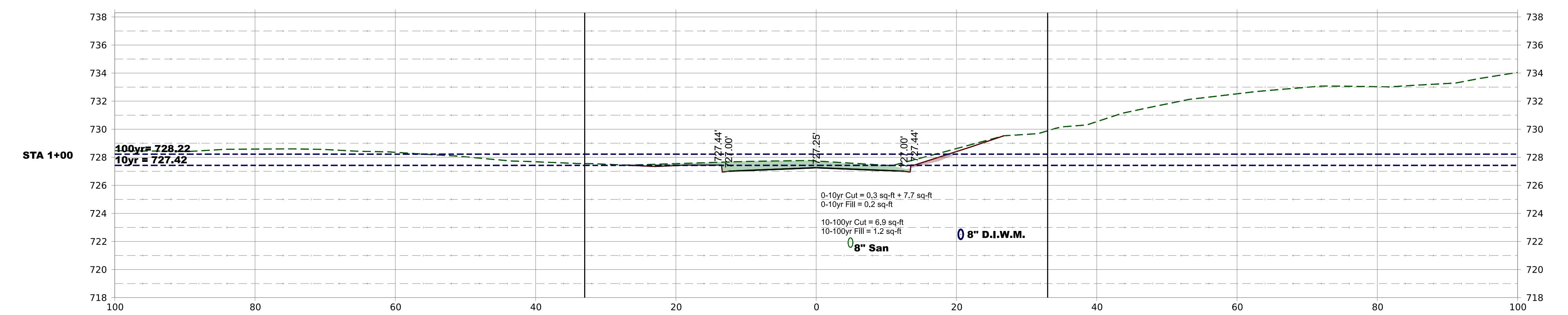
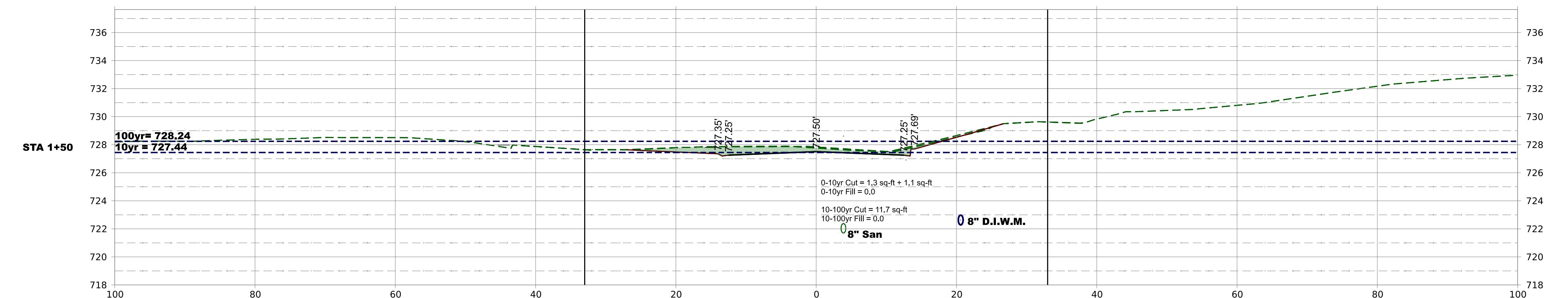
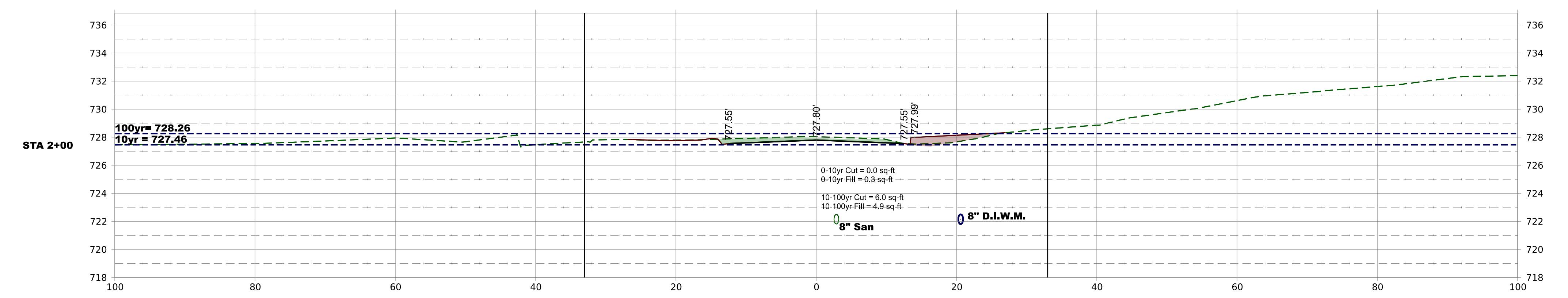




# CHILDS ST. TO COMMERCE DR.

Prepared For:  
ITY OF WHEATON  
303 W Wesley Street  
Wheaton, Ill. 60187

N 'MARK' RICHARDS	
EXPIRES 11/30/2025	
Section-Township-Range	
Page: SW $\frac{1}{4}$ 17-39N-10E	
4959	SURV: CLB
LS	REVIEW: SMR
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B:	
<b>CROSS CTIONS 1</b>	
<b>C-6.1</b>	



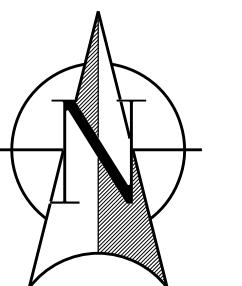
**FLOOD PLAIN VOLUME SUMMARY**

**0-10yr Cut = 1,000 cu-ft**  
**0-10yr Fill = 220 cu-ft**  
**0-10yr Cut/Fill Ratio = 455%**

**10-100yr Cut = 6,150 cu-ft**  
**10-100yr Fill = 345 cu-ft**  
**10-100yr Cut/Fill Ratio = 1,783%**

**TOTAL 0-100yr Cut/Fill Ratio = 1,265**

SHEET  
NAME



0 50 100  
GRAPHIC SCALE - FEET

**GABLES BLVD RECONSTRUCTION  
CHILDS ST. TO COMMERCE DR.**

Prepared For:  
 CITY OF WHEATON  
 303 W. Webster Street  
 Wheaton IL 60187  
 630-260-2000



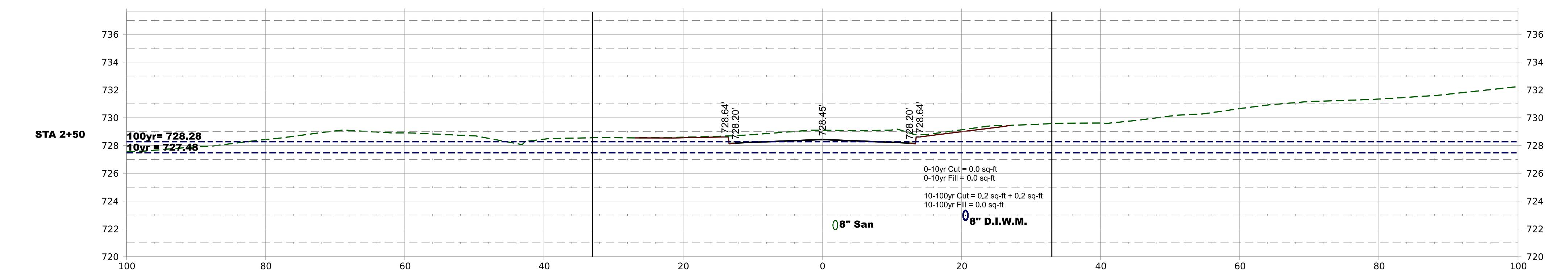
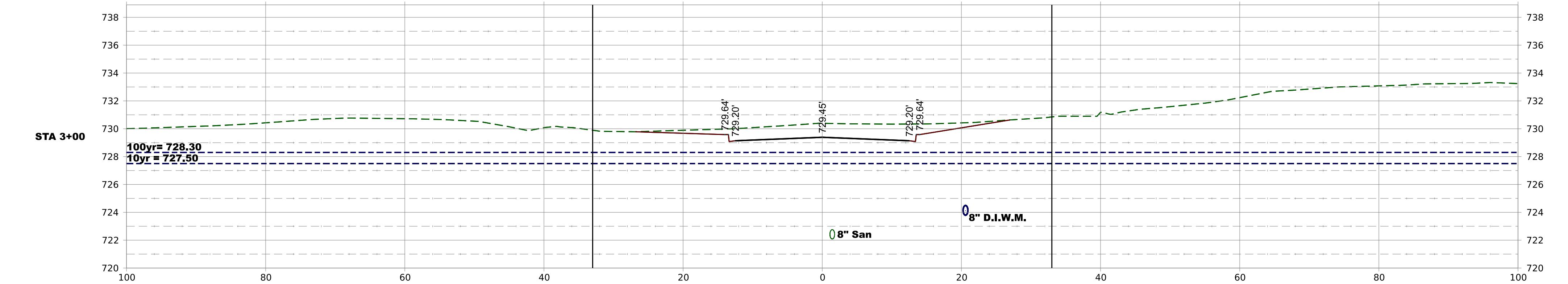
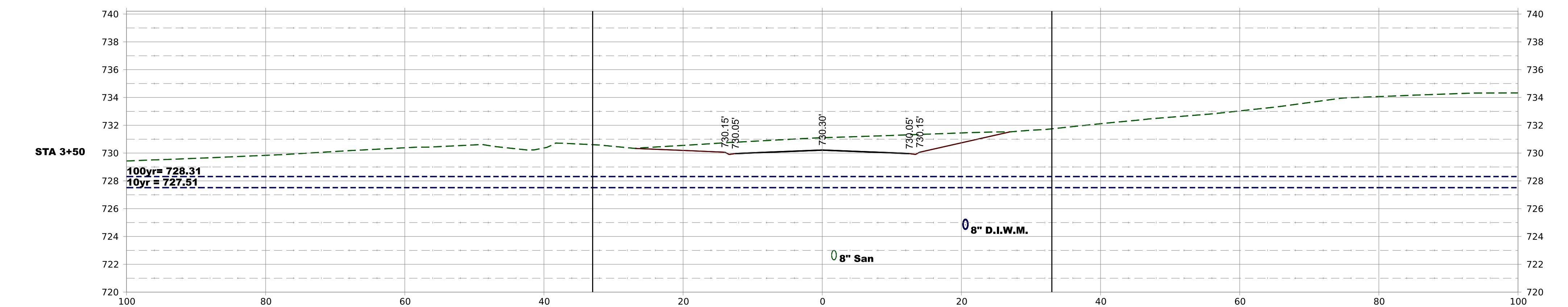
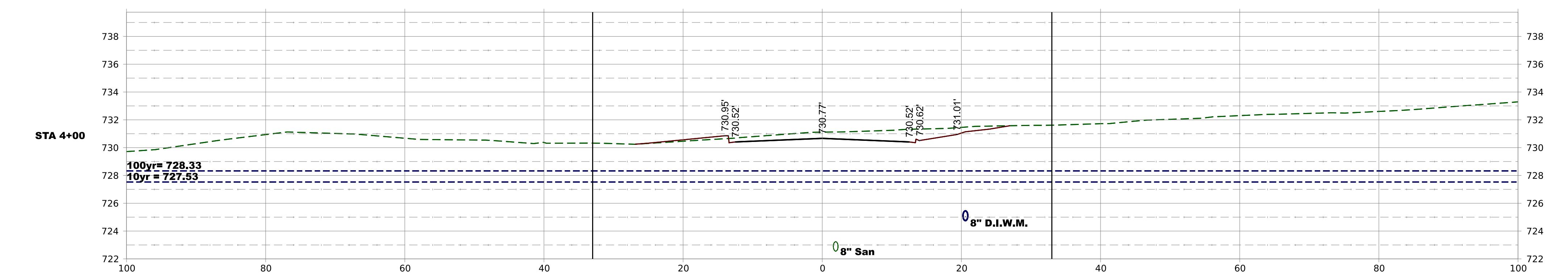
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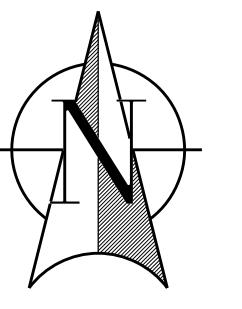
LEARNED PROFESSIONAL ENGINEER  
 STEPHEN M. RICHARDS  
 062-054556  
 STATE OF ILLINOIS

STEPHEN 'MARK' RICHARDS  
 LICENSE EXPIRES 11/30/2025  
 Section-Township-Range  
 DuPage: SW 1/4 17-39N-10E  
 JOB # 44959 SURV: CLB  
 DRAWN: RLS REVIEW: SMR  
 SCALE: 1"=50' DATE: 02-06-2025  
 SHEET TITLE:

**CROSS  
SECTIONS 2**

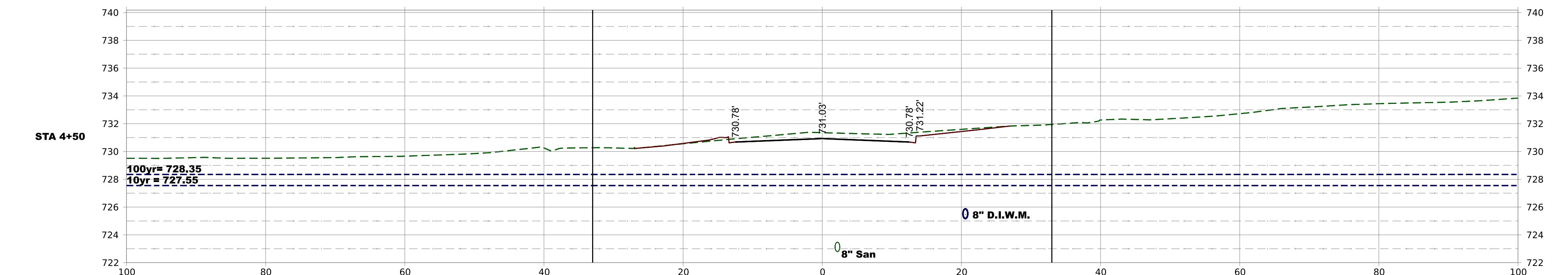
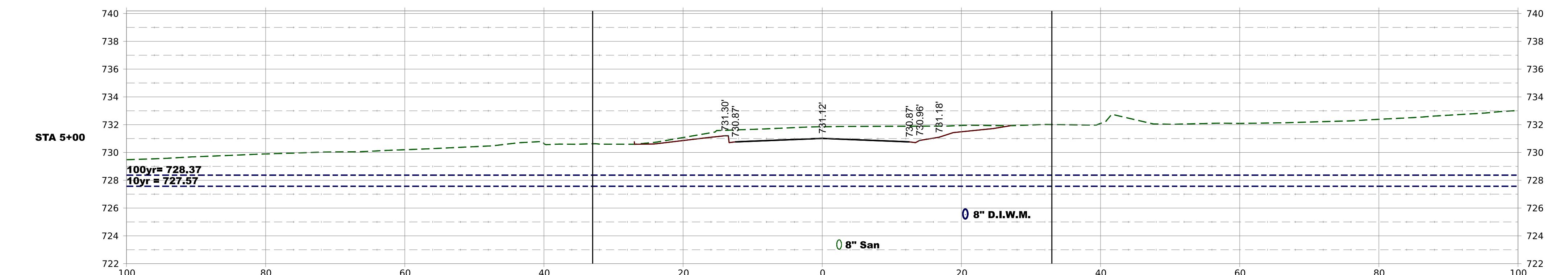
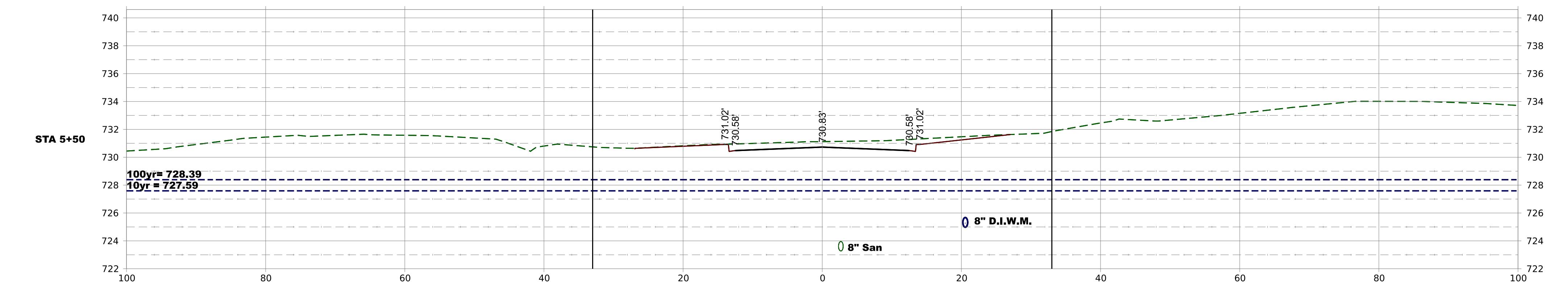
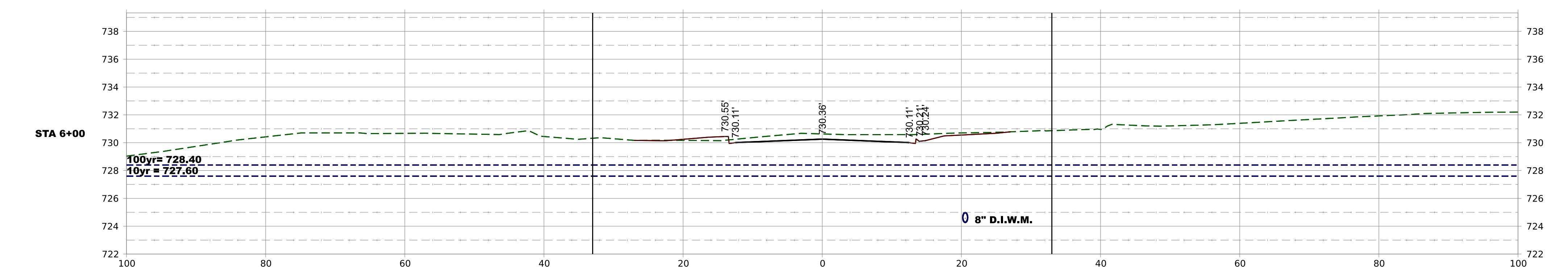
**C-6.2**





**GABLES BLVD RECONSTRUCTION  
 CHILDS ST. TO COMMERCE DR.**

Prepared For:  
 CITY OF WHEATON  
 303 W. Webster Street  
 Wheaton IL 60187  
 630-260-2000



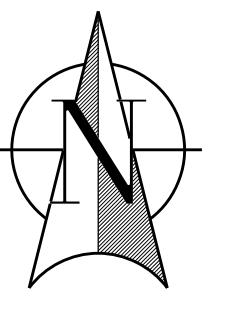
BY		
REV#	DATE	REVISION DESCRIPTION
STEPHEN M. RICHARDS 062-054556		



STEPHEN 'MARK' RICHARDS  
 LICENSE EXPIRES 11/30/2025  
 Section-Township-Range  
 DuPage: SW 1/4 17-39N-10E  
 JOB # 44959 SURV: CLB  
 DRAWN: RLS REVIEW: SMR  
 SCALE: 1"=50' DATE: 02-06-2025  
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**CROSS  
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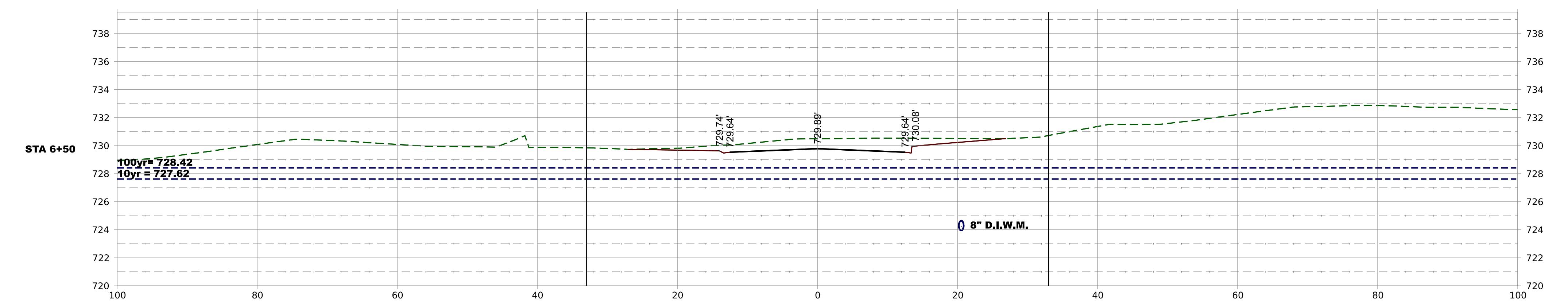
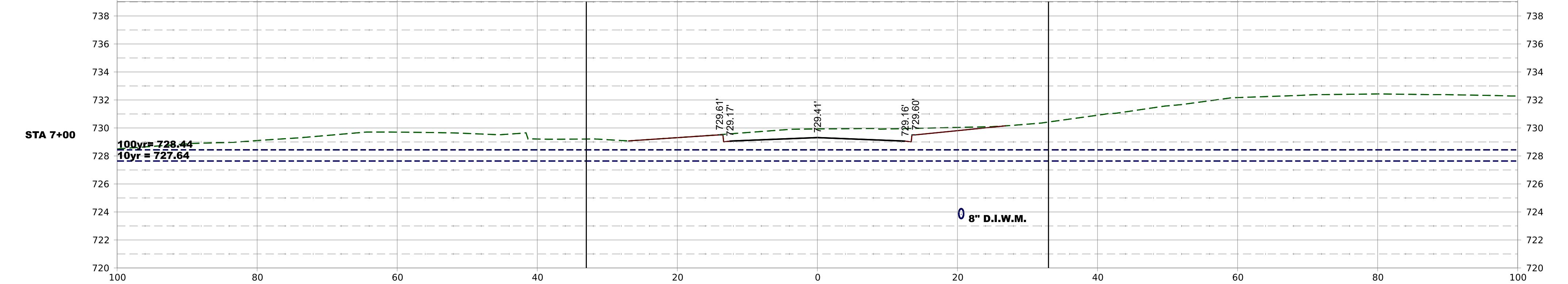
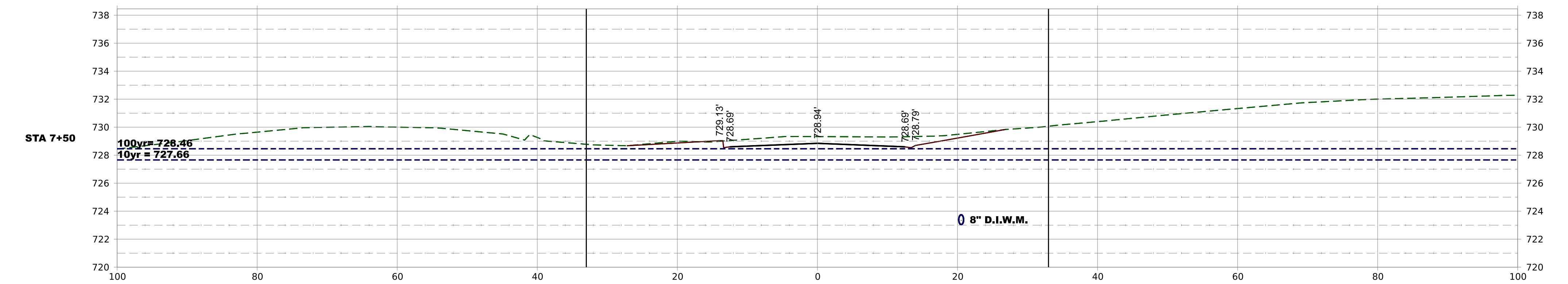
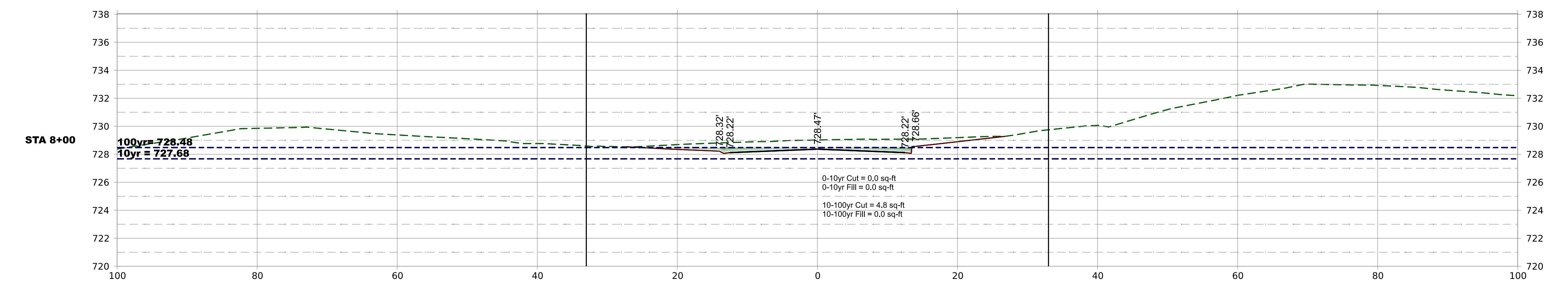
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GRAPHIC SCALE - FEET**GABLES BLVD RECONSTRUCTION  
CHILDS ST. TO COMMERCE DR.**Prepared For:  
CITY OF WHEATON  
303 W. Webster Street  
Wheaton IL 60187  
630-260-2000

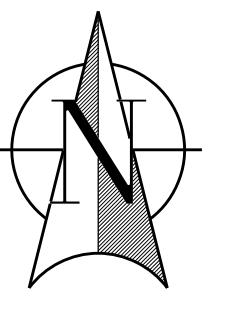
REV#	DATE	REVISION DESCRIPTION	BY

LEARNED PROFESSIONAL ENGINEER  
STEPHEN M. RICHARDS  
062-054556  
STATE OF ILLINOIS

STEPHEN 'MARK' RICHARDS  
LICENSE EXPIRES 11/02/2025  
Section-Township-Range  
DuPage: SW 1/4 17-39N-10E  
JOB # 44959 SURV: CLB  
DRAWN: RLS REVIEW: SMR  
SCALE: 1"=50' DATE: 02-06-2025  
SHEET TITLE: CROSS  
SECTIONS 4

SHEET NAME C-6.4  
SHEET # 22 of 26



GABLES BLVD RECONSTRUCTION  
CHILDS ST. TO COMMERCE DR.

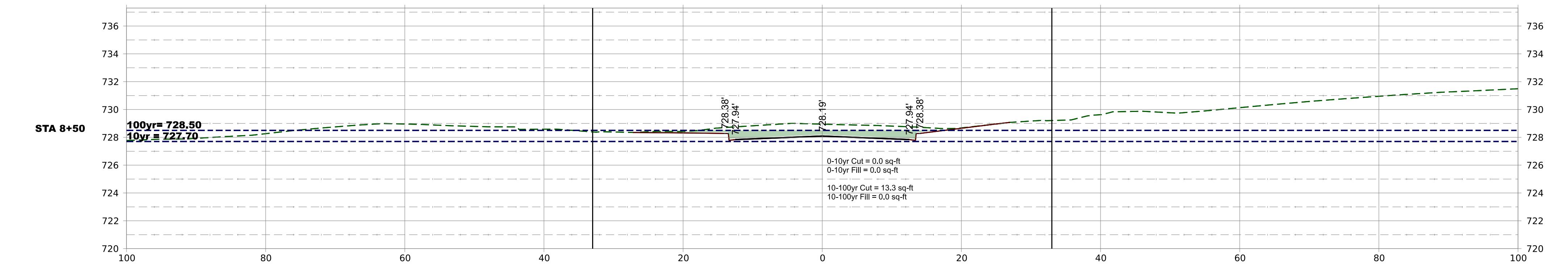
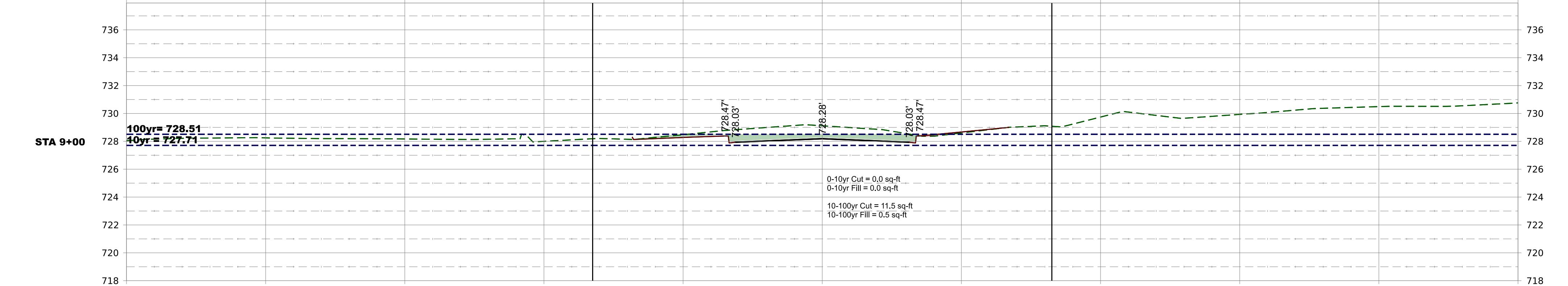
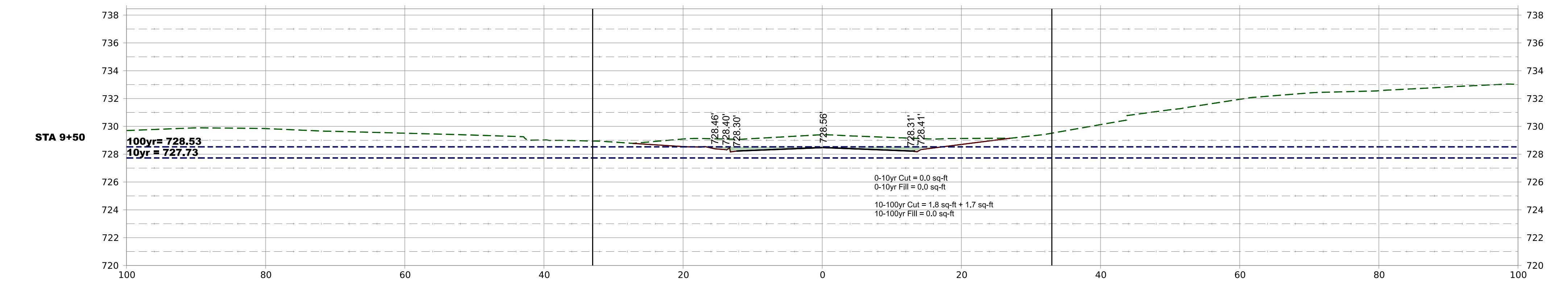
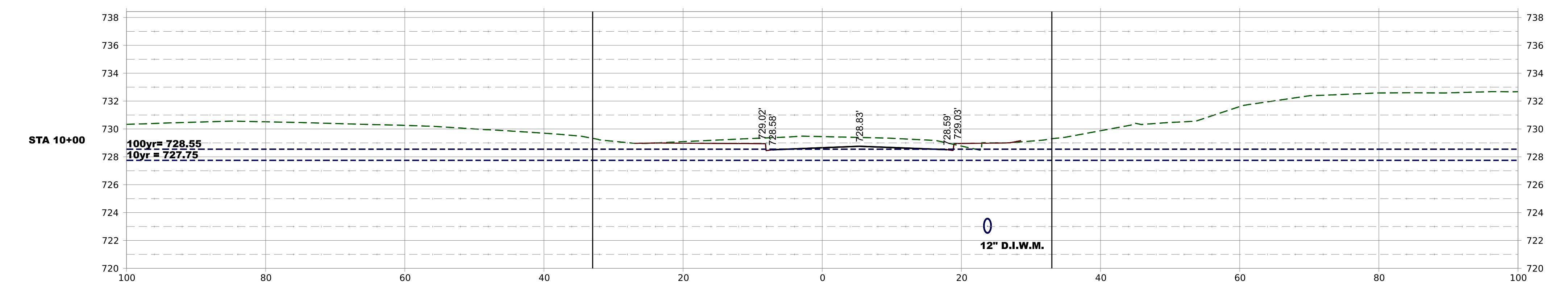
Prepared For:  
CITY OF WHEATON  
303 W. Webster Street  
Wheaton IL 60187  
630-260-2000

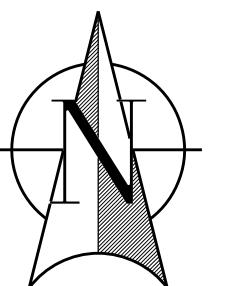


REV#	DATE	REVISION DESCRIPTION	BY

LENDERED PROFESSIONAL ENGINEER  
STEPHEN M. RICHARDS  
062-054556  
STATE OF ILLINOIS

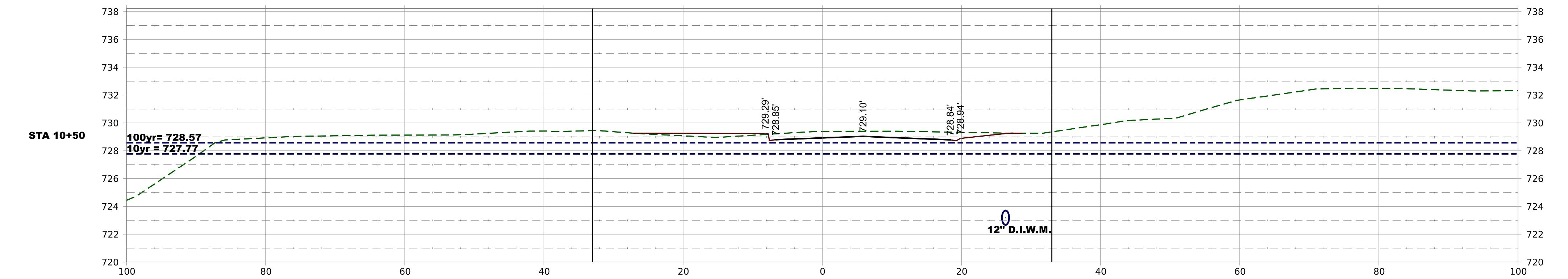
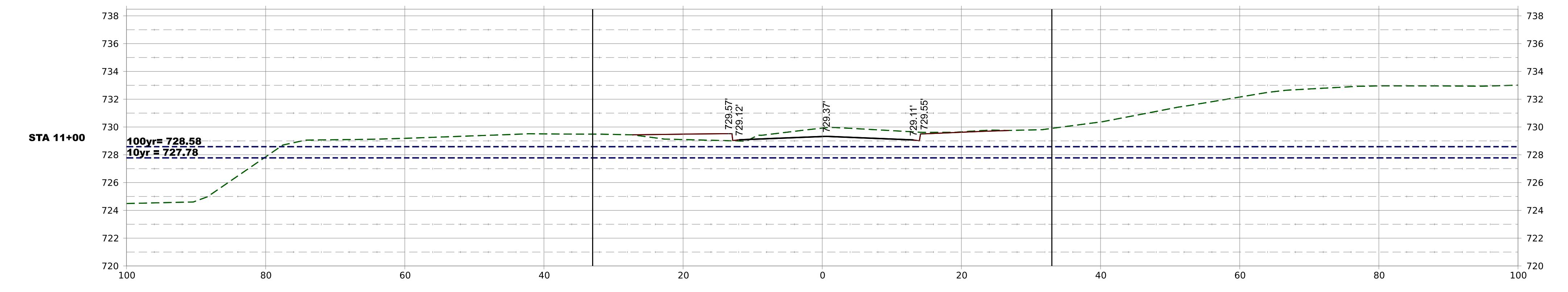
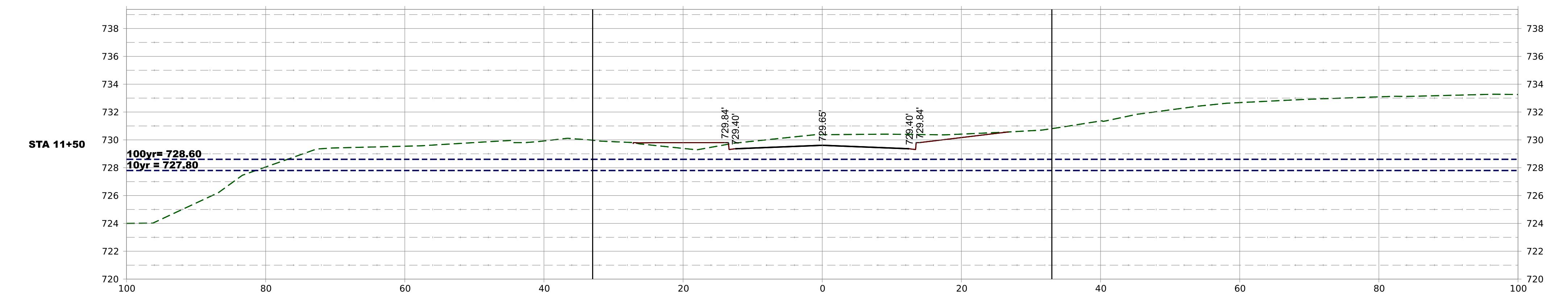
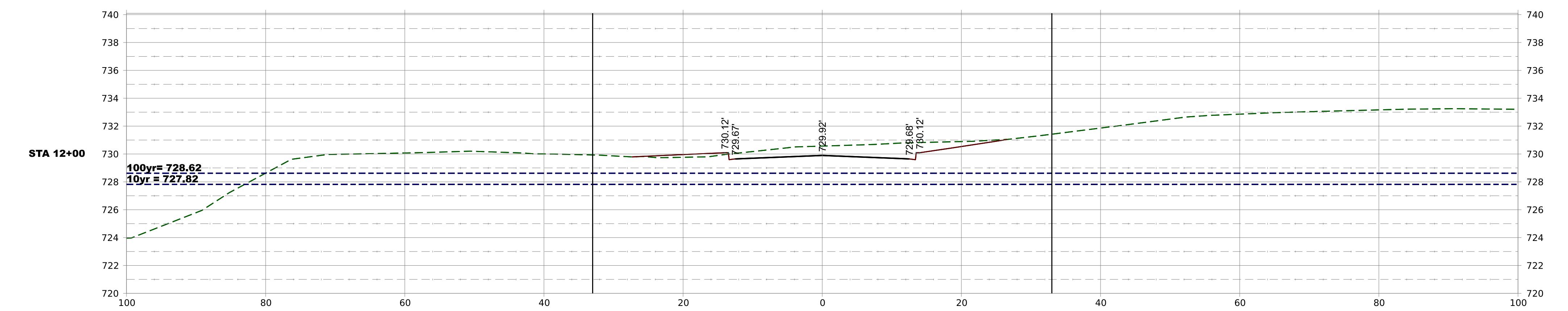
STEPHEN 'MARK' RICHARDS  
LICENSE EXPIRES 11/30/2025  
Section-Township-Range  
DuPage: SW 1/4 17-39N-10E  
JOB # 44959 SURV: CLB  
DRAWN: RLS REVIEW: SMR  
SCALE: 1"=50' DATE: 02-06-2025  
SHEET TITLE: CROSS  
SECTIONS 5  
SHEET NAME C-6.5  
SHEET # 23 of 26





**GABLES BLVD RECONSTRUCTION  
 CHILDS ST. TO COMMERCE DR.**

Prepared For:  
 CITY OF WHEATON  
 303 W. Webster Street  
 Wheaton IL 60187  
 630-260-2000



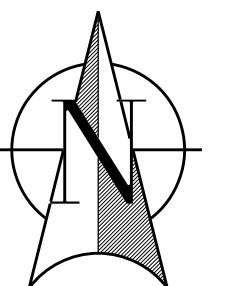
REV#	DATE	REVISION DESCRIPTION	BY

LENDERED PROFESSIONAL ENGINEER  
 STEPHEN M. RICHARDS  
 062-054556  
 STATE OF ILLINOIS

STEPHEN 'MARK' RICHARDS  
 LICENSE EXPIRES 11/02/2025  
 Section-Township-Range  
 DuPage: SW 1/4 17-39N-10E  
 JOB # 44959 SURV: CLB  
 DRAWN: RLS REVIEW: SMR  
 SCALE: 1"=50' DATE: 02-06-2025  
 SHEET TITLE:

**CROSS  
 SECTIONS 6**

**C-6.6**



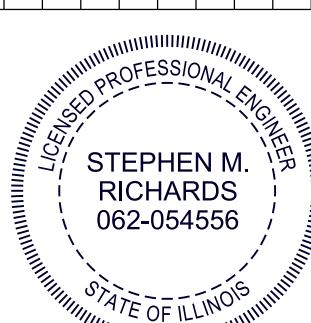
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GRAPHIC SCALE - FEET

**GABLES BLVD RECONSTRUCTION  
CHILDS ST. TO COMMERCE DR.**

Prepared For:  
 CITY OF WHEATON  
 303 W. Webster Street  
 Wheaton IL 60187  
 630-260-2000



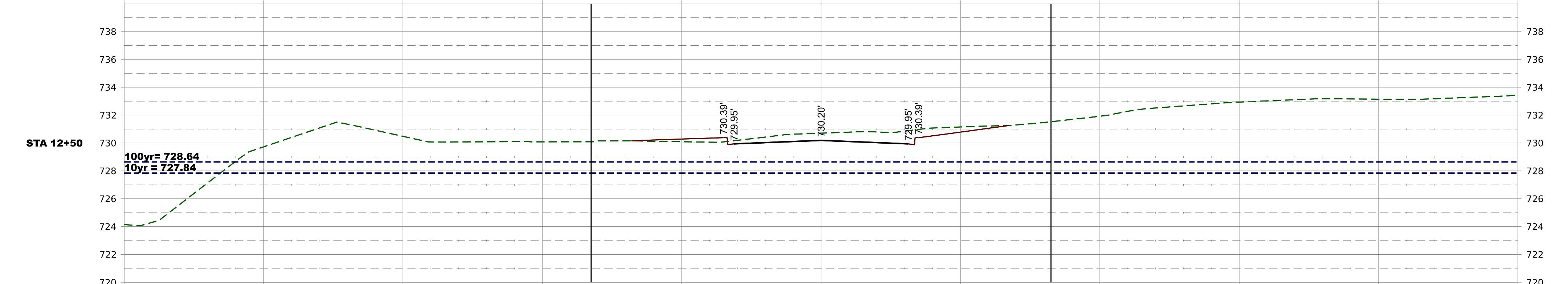
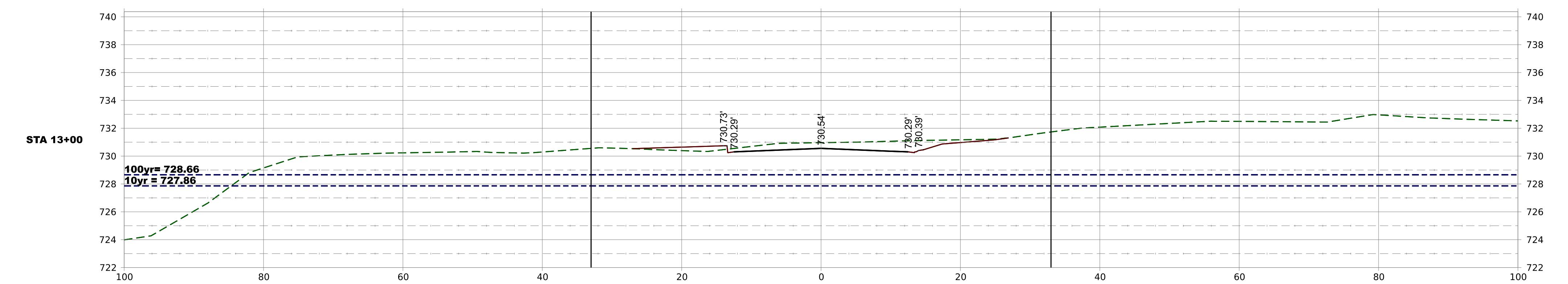
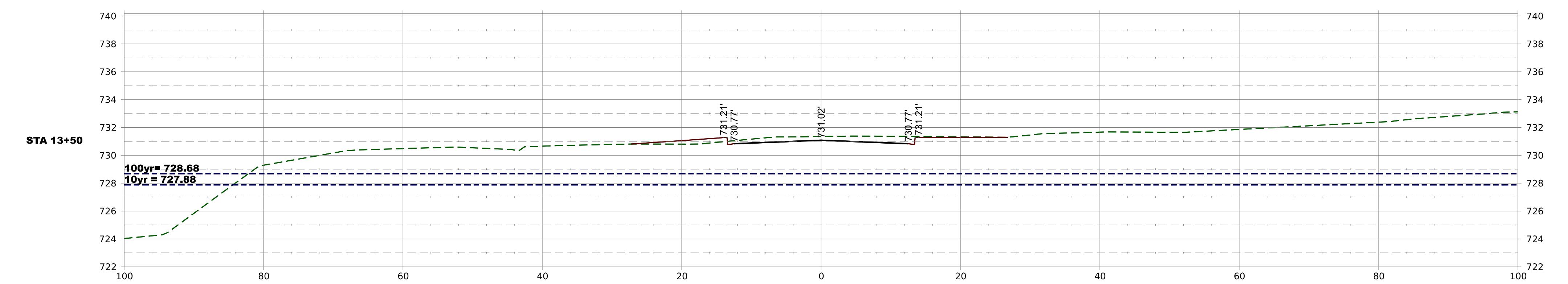
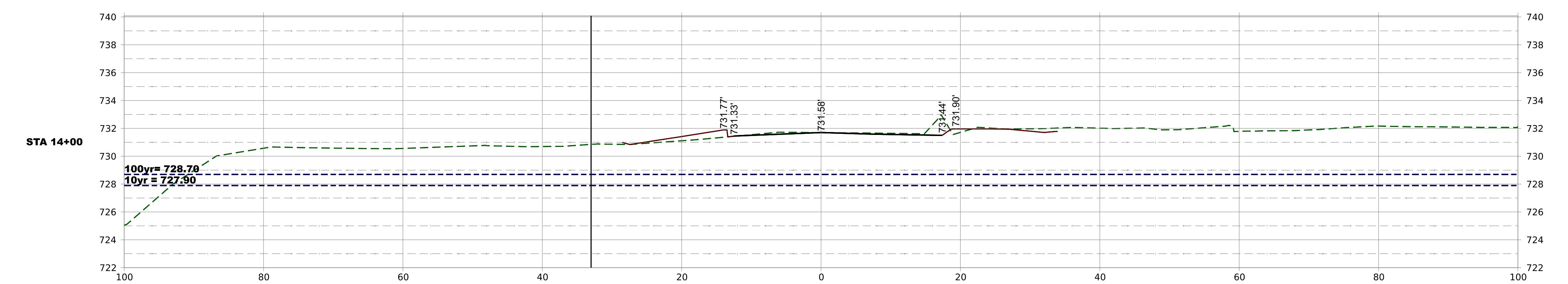
BY		
REV#	DATE	REVISION DESCRIPTION

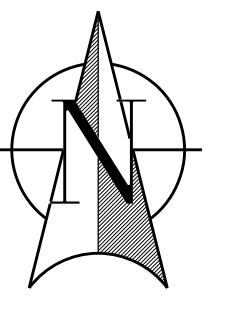


STEPHEN 'MARK' RICHARDS  
 LICENSE EXPIRES 11/30/2025  
 Section-Township-Range  
 DuPage: SW 1/4 17-39N-10E  
 JOB # 44959 SURV: CLB  
 DRAWN: RLS REVIEW: SMR  
 SCALE: 1"=50' DATE: 02-06-2025  
 SHEET TITLE:

**CROSS  
SECTIONS 7**

**C-6.7**  
 SHEET NAME  
 SHEET # 25 of 26





0 50 100  
GRAPHIC SCALE - FEET

**GABLES BLVD RECONSTRUCTION  
CHILDS ST. TO COMMERCE DR.**

Prepared For:  
 CITY OF WHEATON  
 303 W. Wheaton Street  
 Wheaton IL 60187  
 630-260-2000



BY \_\_\_\_\_

REV# DATE REVISION DESCRIPTION  
 STEPHEN M. RICHARDS  
 062-054556  
 STATE OF ILLINOIS  
 LICENSED PROFESSIONAL ENGINEER

STEPHEN 'MARK' RICHARDS  
 LICENSE EXPIRES 11/30/2025  
 Section-Township-Range  
 DuPage: SW 1/4 17-39N-10E  
 JOB # 44959 SURV: CLB  
 DRAWN: RLS REVIEW: SMR  
 SCALE: 1"=50' DATE: 02-06-2025  
 SHEET TITLE:

**CROSS  
SECTIONS 8**

**C-6.8**  
 SHEET NAME  
 SHEET # 26 of 26

