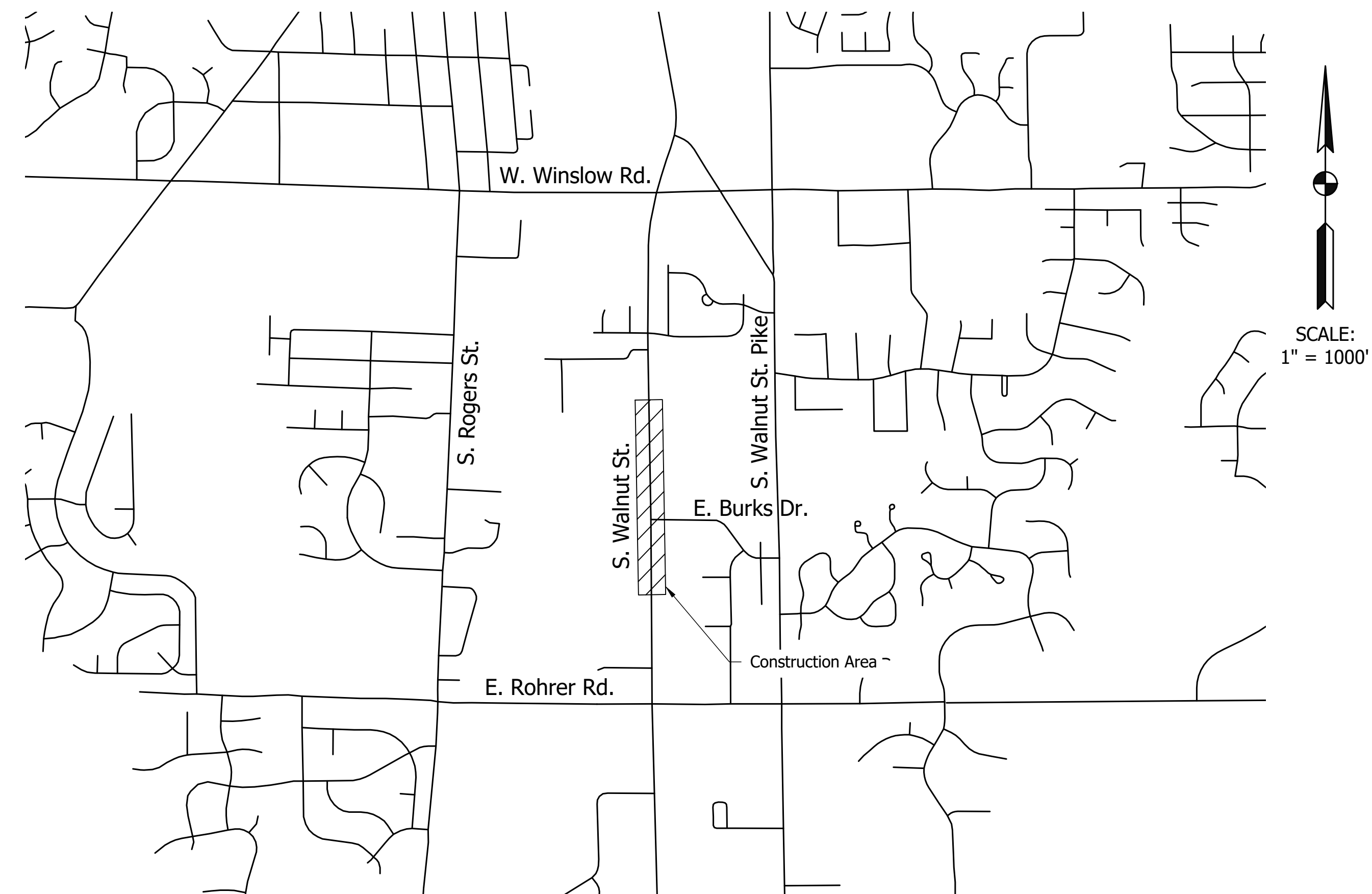


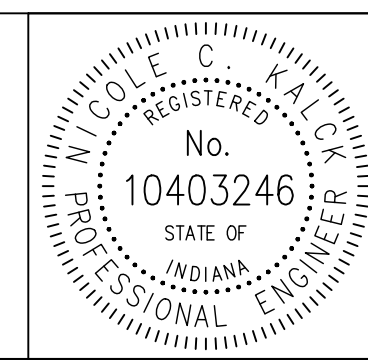
CITY OF BLOOMINGTON, IN PLANNING AND TRANSPORTATION DEPARTMENT

SIDEWALK IMPROVEMENT PLAN S. WALNUT STREET

Sidewalk Improvements Along West Side of Walnut Approximately 650 Feet
South of Burks Drive to Approximately 1,000 Feet North of Burks Drive
Section 16, T-8-N, R-1-W, Perry Township, Monroe County, Indiana

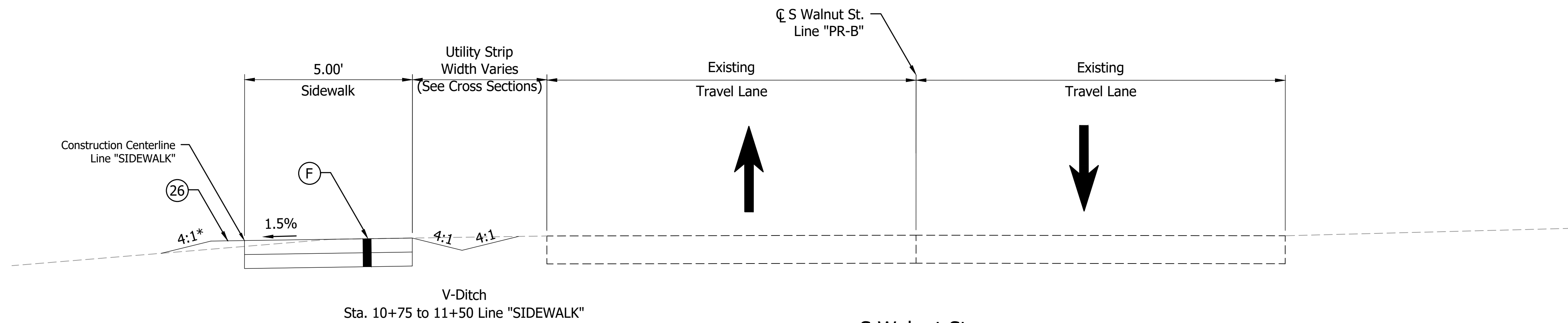


INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2018,
AND SUPPLEMENTS THEREOF, SHALL BE USED
WITH THESE PLANS.



PLANS PREPARED BY: The Etica Group 317-466-9520
PHONE NUMBER
CERTIFIED BY: *Nicole Mack* 10/10/2018
DATE

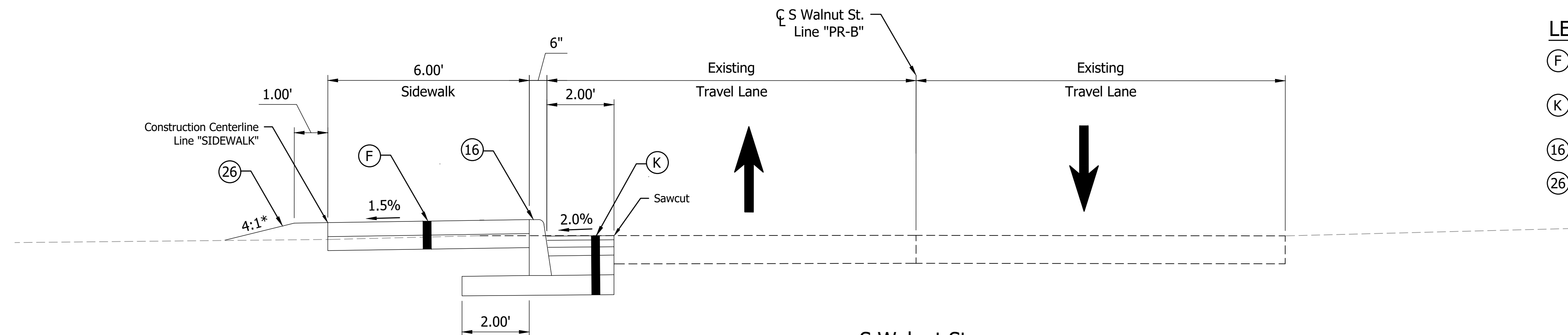
DESIGNATION	
SURVEY BOOK	SHEETS
CONTRACT	1 of 19 PROJECT



* Slope Varies Sta. 104+29 to 106+59 Line "PR-B". See Cross Sections.

S Walnut St.

Sta. 103+75 to 104+00 Line "PR-B"
 Sta. 104+29 to 105+70 Line "PR-B"
 Sta. 106+85 to 107+17 Line "PR-B"
 Sta. 113+20 to 114+42 Line "PR-B"
 Sta. 114+80 to 115+10 Line "PR-B"



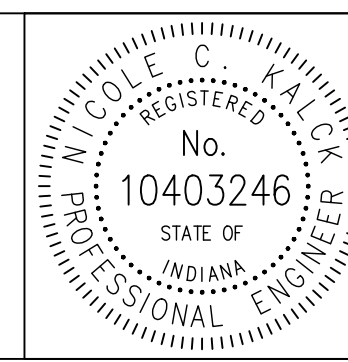
S Walnut St.

Sta. 105+70 to 106+59 Line "PR-B"
 Sta. 115+10 to 115+31 Line "PR-B"
 Sta. 115+55 to 116+38 Line "PR-B"

LEGEND:

- (F) 4 in. Sidewalk, Concrete on 4 in. Compacted Aggregate, No. 53
- (K) 1320 #/SYS HMA for Widening, Type C, on Subgrade Treatment, Type IB
- (16) Curb, Concrete, Vertical (INDOT SD E-605-CCSJ-01)
- (26) Sodding, Nursery

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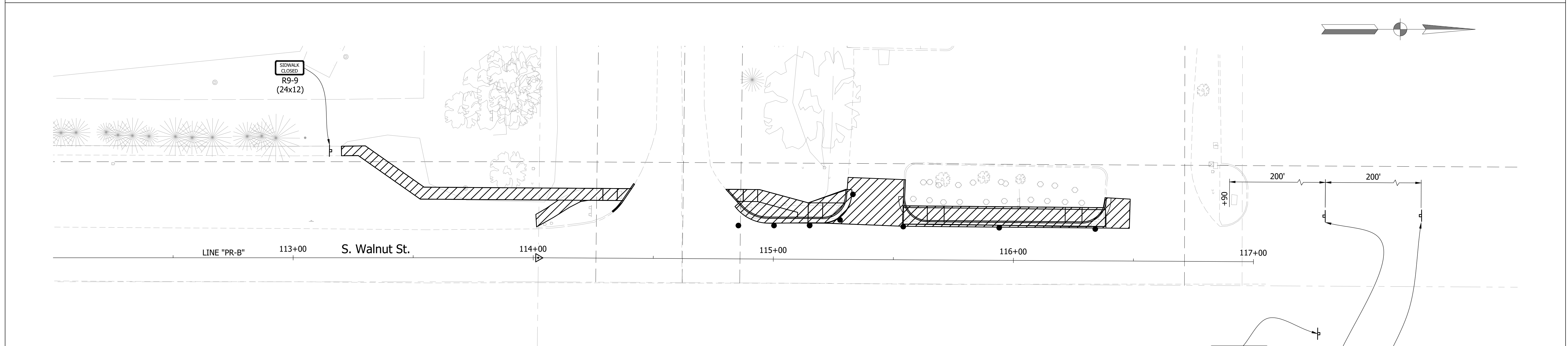
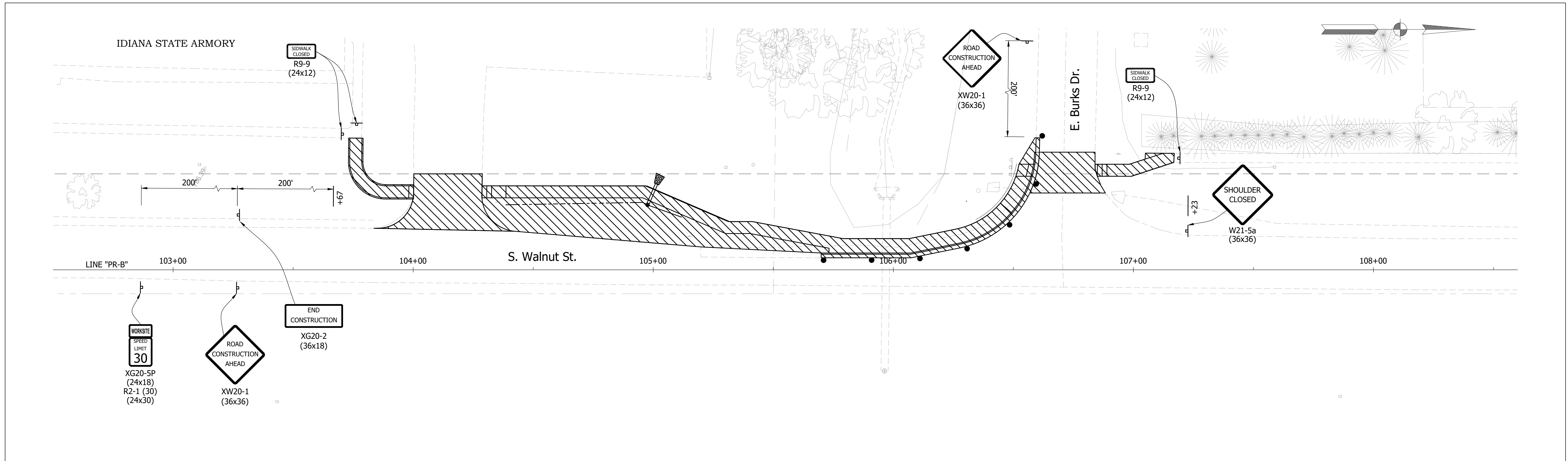


RECOMMENDED FOR APPROVAL	<i>Dale Kalkbrenner</i>	DESIGN ENGINEER	10/10/2018	DATE
DESIGNED: AJS		DRAWN: AJS		
CHECKED: NCK		CHECKED: NCK		

CITY OF BLOOMINGTON, INDIANA	
TYPICAL SECTIONS	

SCALE	BRIDGE FILE
1" = 2'	
VERT. SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	3 of 19
CONTRACT	PROJECT

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NOTE:
Contractor to maintain access to adjacent properties at all times.

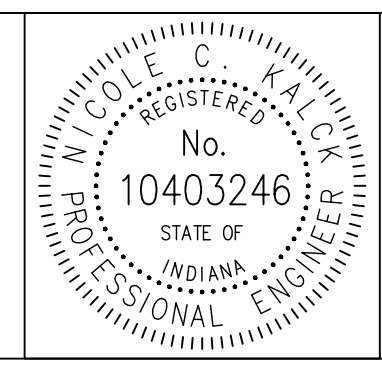
LEGEND:

- Channelization Device
- ▨ Construction Area
- ⊥ Construction Sign

END CONSTRUCTION XG20-2 (36x18)

ROAD CONSTRUCTION AHEAD XW20-1 (36x36)

WORKSITE SPEED LIMIT 30 XG20-5P (24x18) R2-1 (30) (24x30)

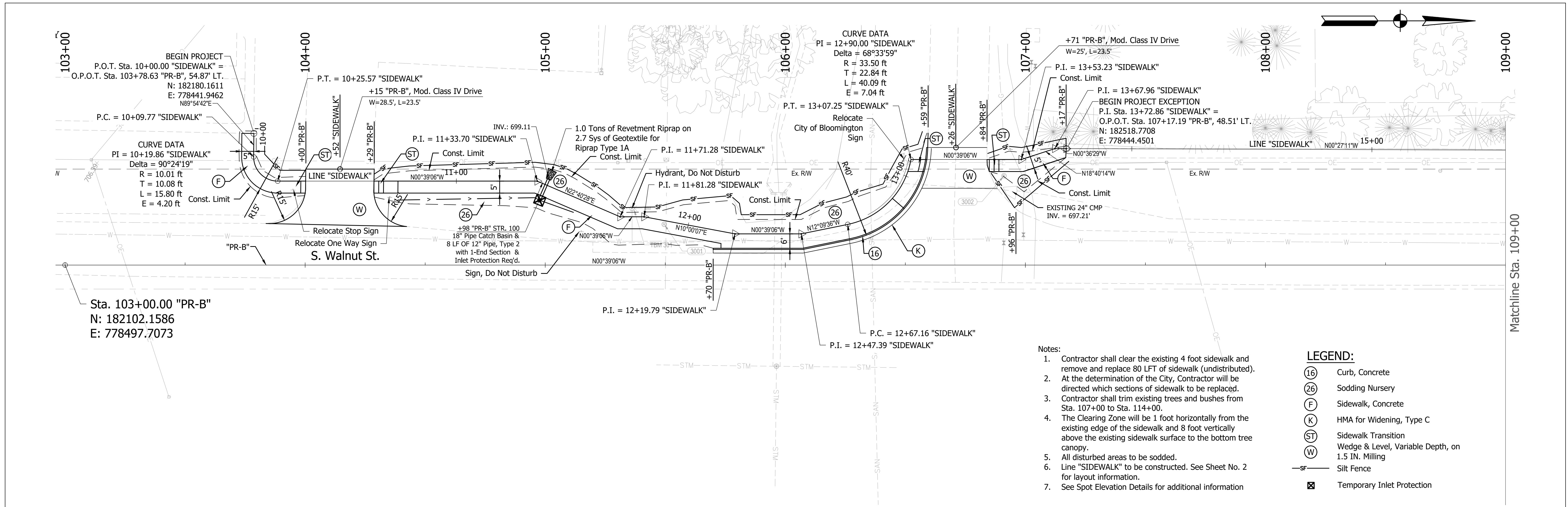


RECOMMENDED FOR APPROVAL	<i>Andrew Kalkowski</i>	DESIGN ENGINEER	10/10/2018	DATE
DESIGNED:	AJS	DRAWN:	AJS	
CHECKED:	NCK	CHECKED:	NCK	

CITY OF BLOOMINGTON, INDIANA

MAINTENANCE OF TRAFFIC

SCALE	BRIDGE FILE
1"=20'	
VERT. SCALE	DESIGNATION
N.A.	
SURVEY BOOK	SHEETS
	4 of 19
CONTRACT	PROJECT

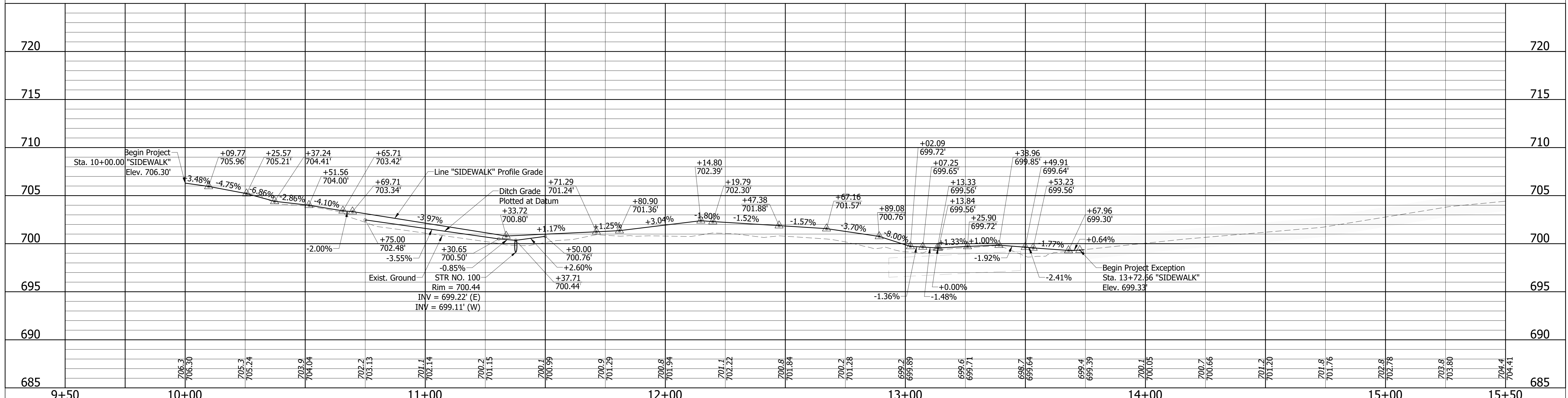


Sta. 103+00.00 "PR-B"
 N: 182102.1586
 E: 778497.7073

- Notes:
- Contractor shall clear the existing 4 foot sidewalk and remove and replace 80 LFT of sidewalk (undistributed).
 - At the determination of the City, Contractor will be directed which sections of sidewalk to be replaced.
 - Contractor shall trim existing trees and bushes from Sta. 107+00 to Sta. 114+00.
 - The Clearing Zone will be 1 foot horizontally from the existing edge of the sidewalk and 8 foot vertically above the existing sidewalk surface to the bottom tree canopy.
 - All disturbed areas to be sodded.
 - Line "SIDEWALK" to be constructed. See Sheet No. 2 for layout information.
 - See Spot Elevation Details for additional information

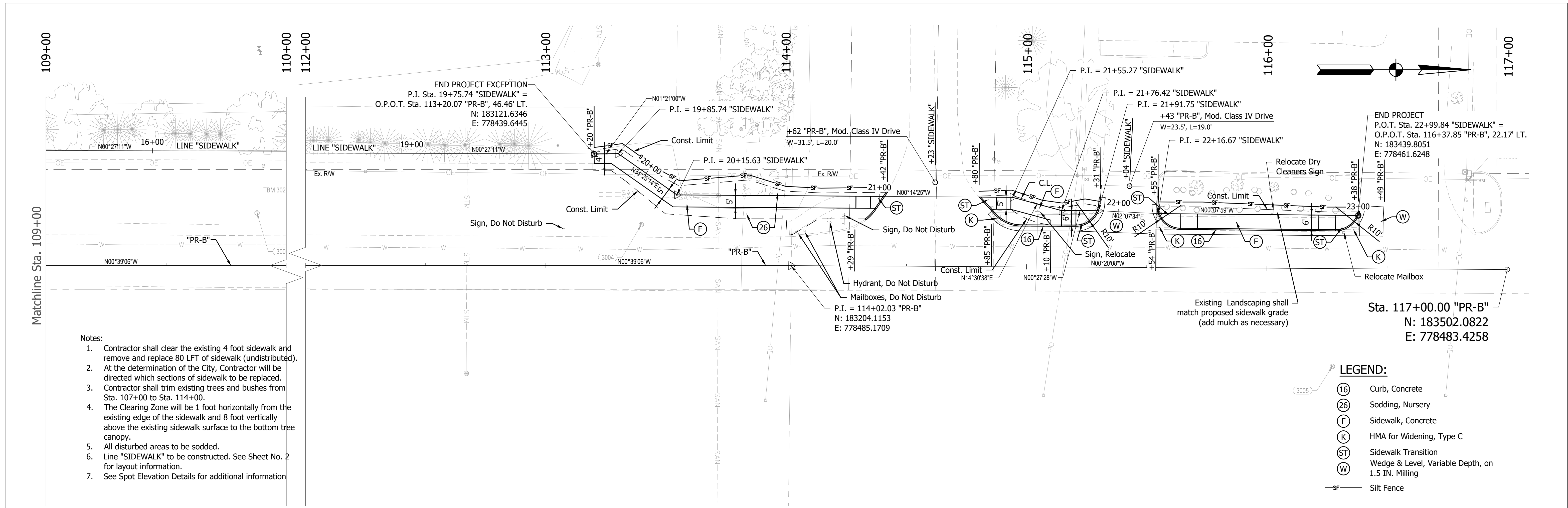
LEGEND:

(16)	Curb, Concrete
(26)	Sodding Nursery
(F)	Sidewalk, Concrete
(K)	HMA for Widening, Type C
(ST)	Sidewalk Transition
(W)	Wedge & Level, Variable Depth, on 1.5 IN. Milling
-sf-	Silt Fence
☒	Temporary Inlet Protection



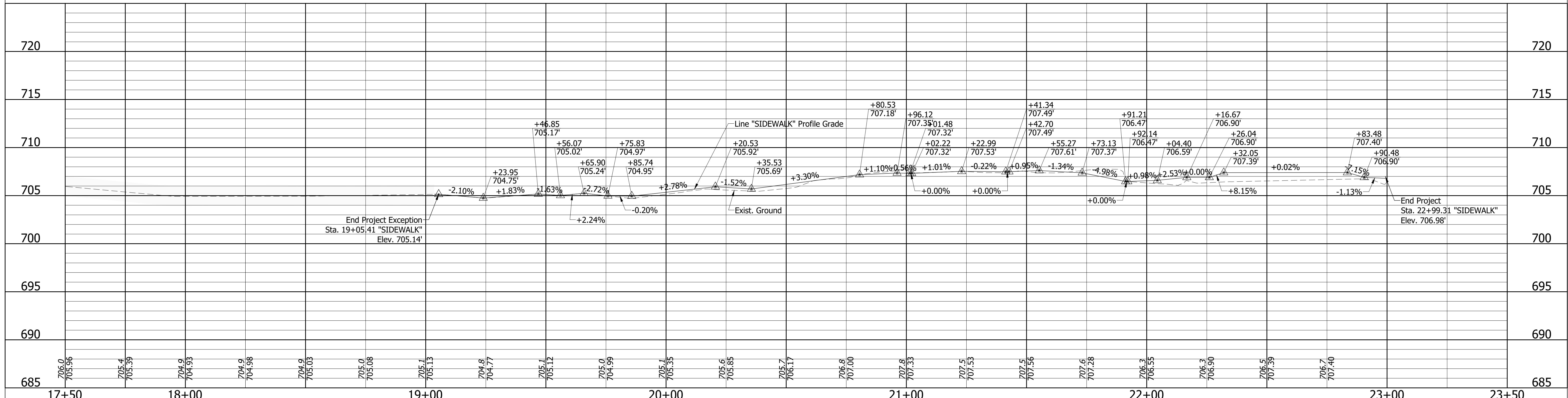
	RECOMMENDED FOR APPROVAL <i>Andrew C. Kalkbrenner</i>	DESIGN ENGINEER	10/10/2018 DATE	CITY OF BLOOMINGTON, INDIANA	
	DESIGNED: AJS	DRAWN: AJS	PLAN AND PROFILE		
	CHECKED: NCK	CHECKED: NCK	SURVEY BOOK		
			CONTRACT		SHEETS 5 of 19 PROJECT

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- Notes:
1. Contractor shall clear the existing 4 foot sidewalk and remove and replace 80 LFT of sidewalk (undistributed).
 2. At the determination of the City, Contractor will be directed which sections of sidewalk to be replaced.
 3. Contractor shall trim existing trees and bushes from Sta. 107+00 to Sta. 114+00.
 4. The Clearing Zone will be 1 foot horizontally from the existing edge of the sidewalk and 8 foot vertically above the existing sidewalk surface to the bottom tree canopy.
 5. All disturbed areas to be sodded.
 6. Line "SIDEWALK" to be constructed. See Sheet No. 2 for layout information.
 7. See Spot Elevation Details for additional information.

- LEGEND:
- (16) Curb, Concrete
 - (26) Sodding, Nursery
 - (F) Sidewalk, Concrete
 - (K) HMA for Widening, Type C
 - (ST) Sidewalk Transition
 - (W) Wedge & Level, Variable Depth, on 1.5 IN. Milling
 - SF- Silt Fence



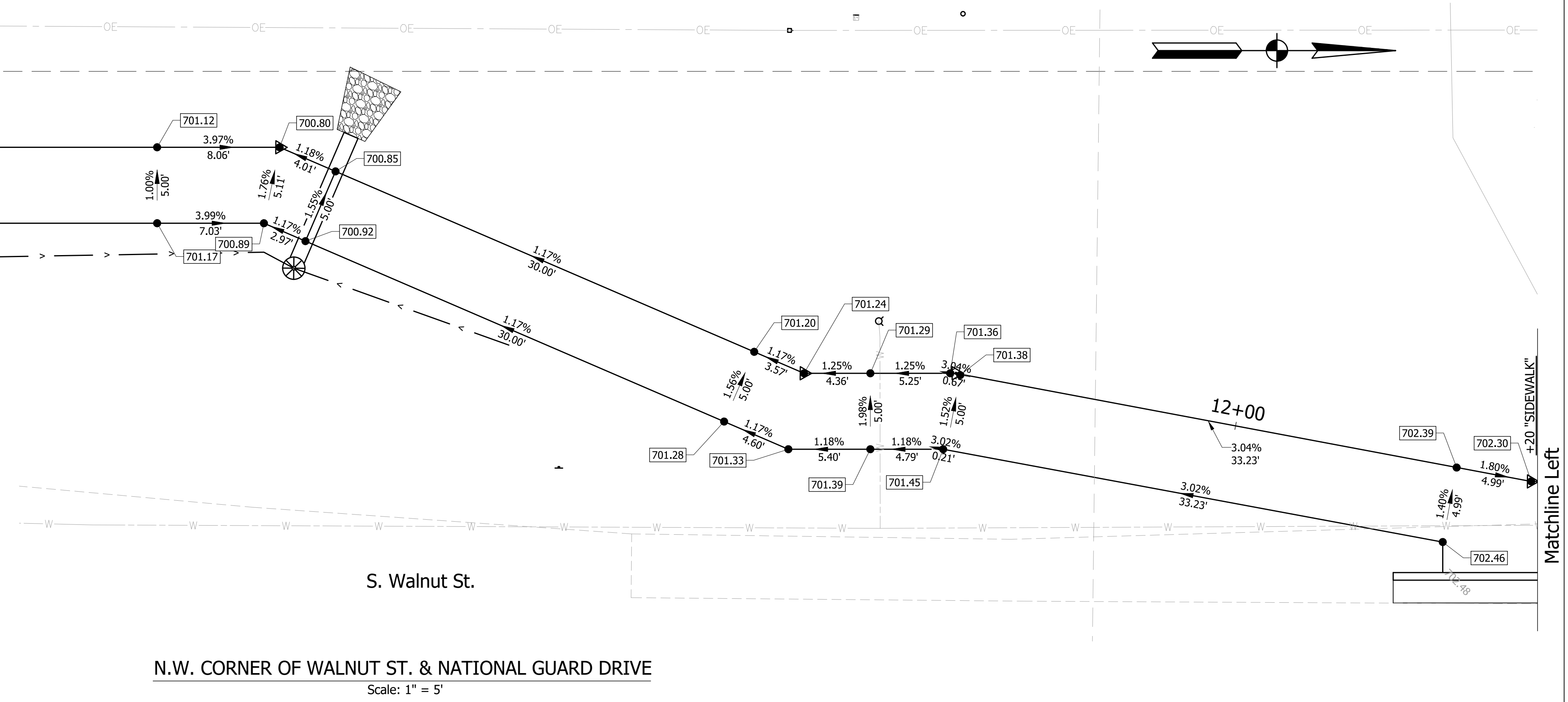
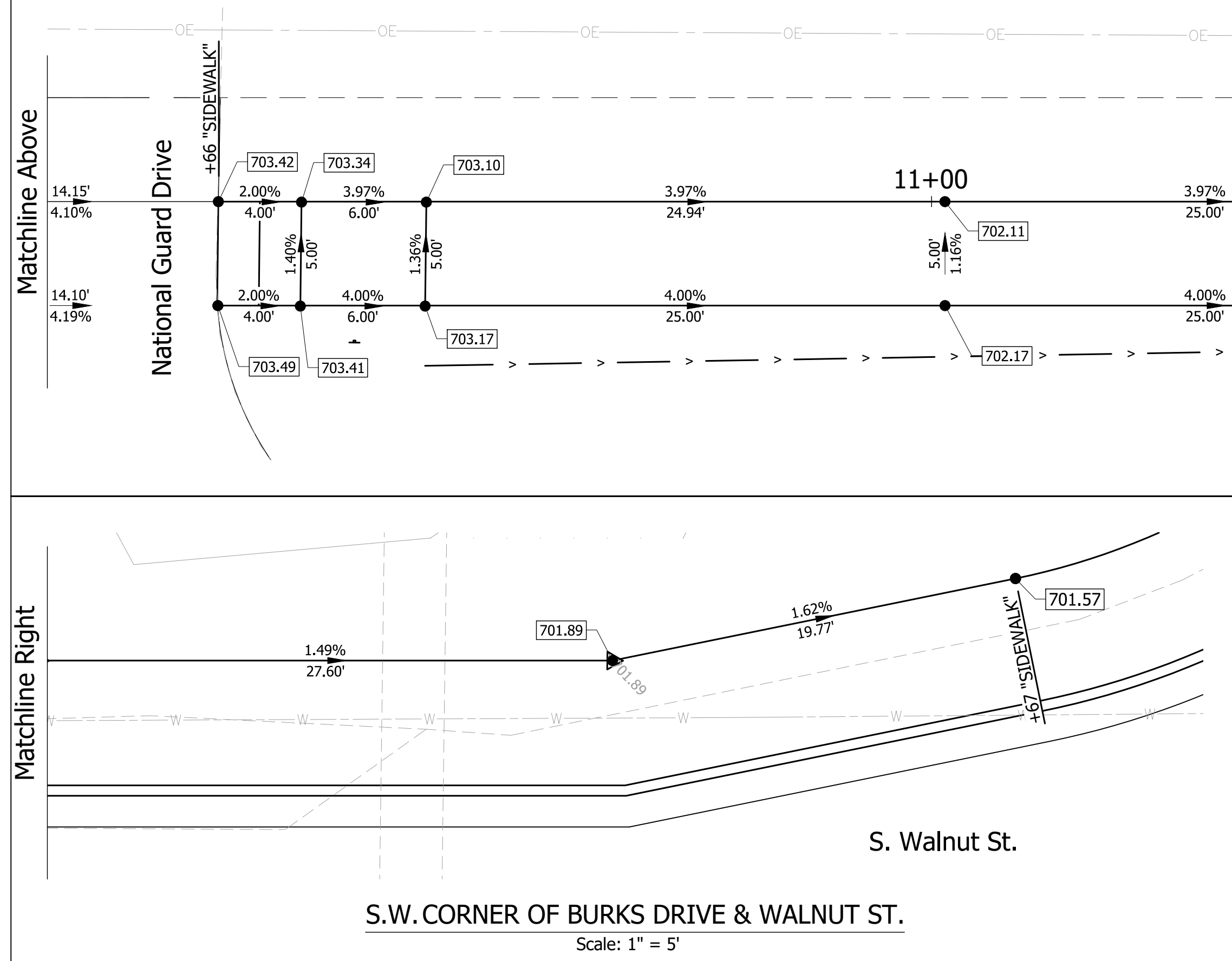
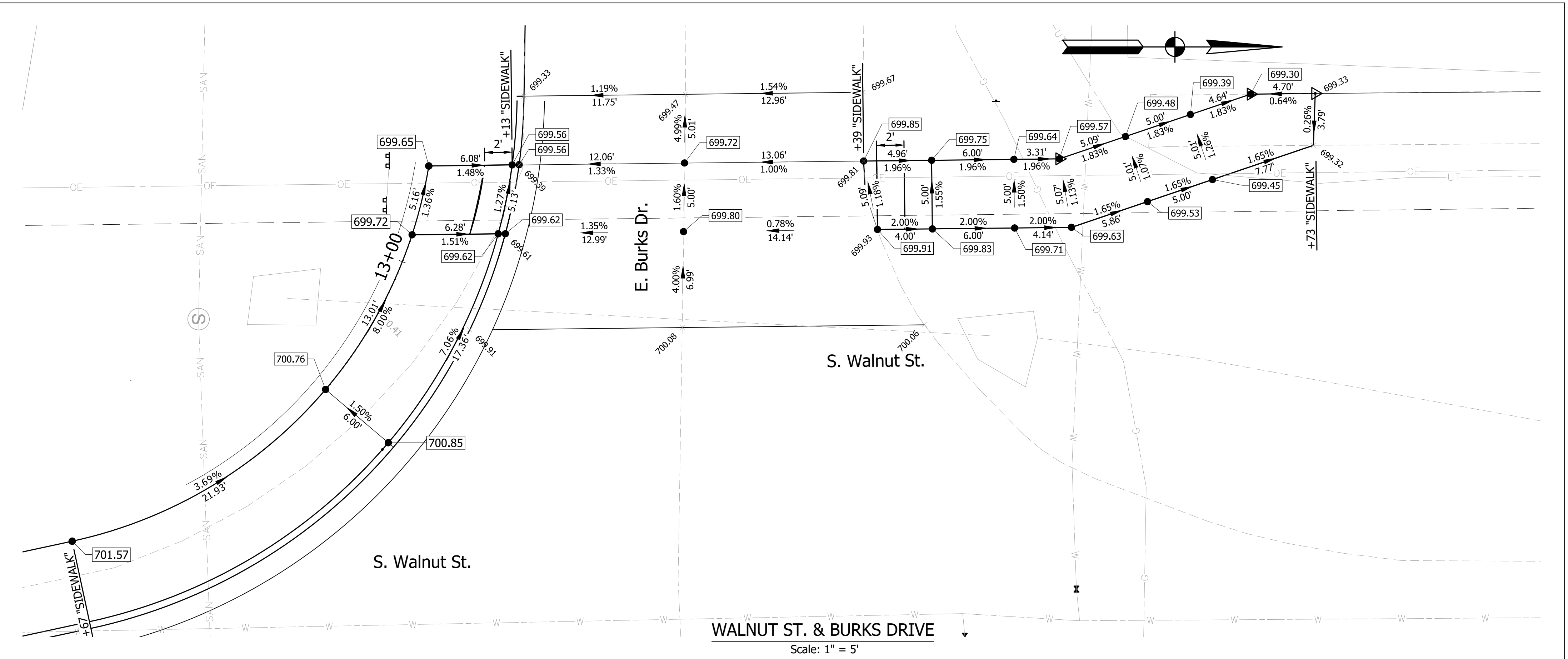
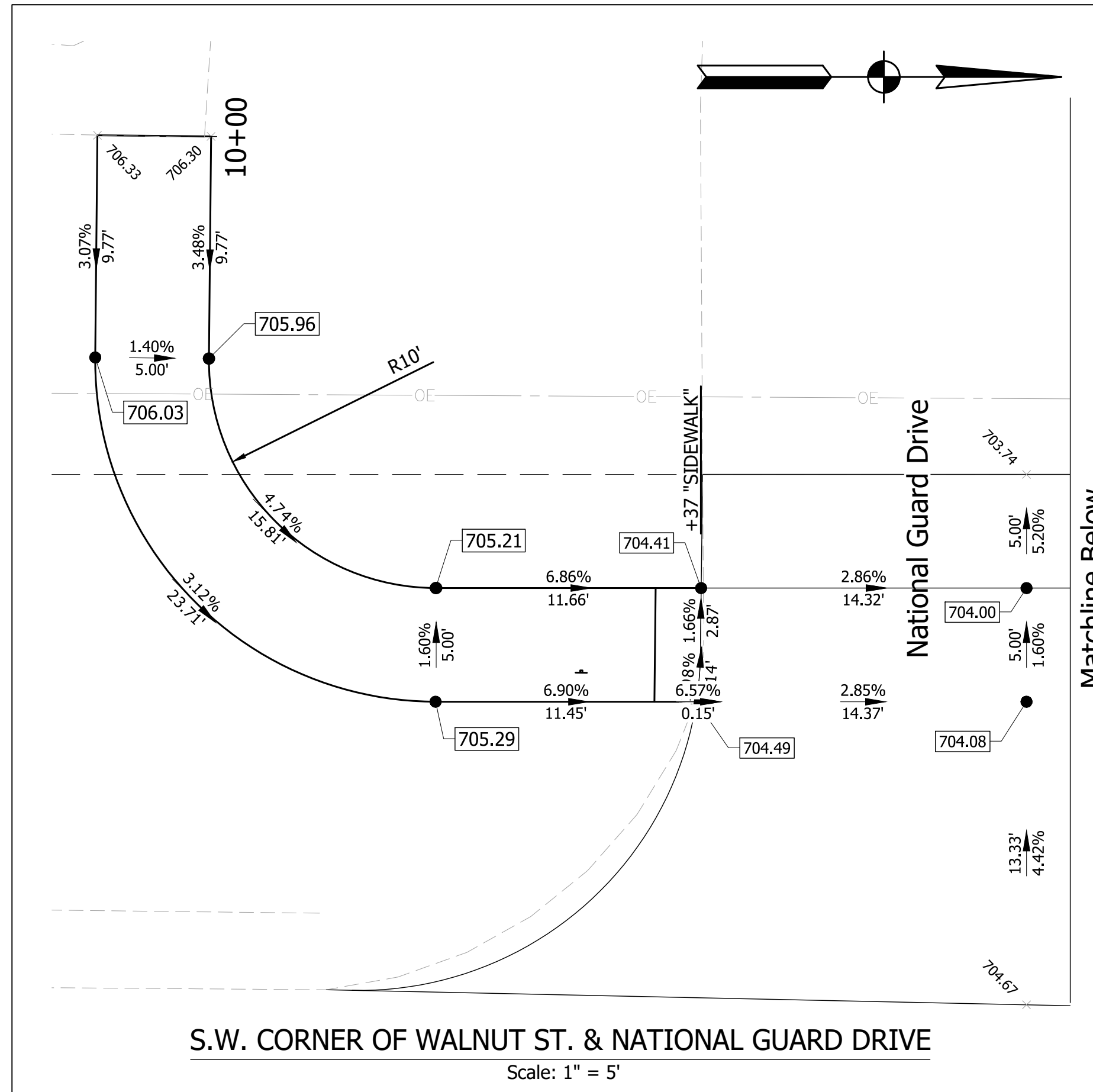
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RECOMMENDED FOR APPROVAL: *Andrew Cole*
 DESIGN ENGINEER DATE: 10/10/2018
 DESIGNED: AJS DRAWN: AJS
 CHECKED: NCK CHECKED: NCK

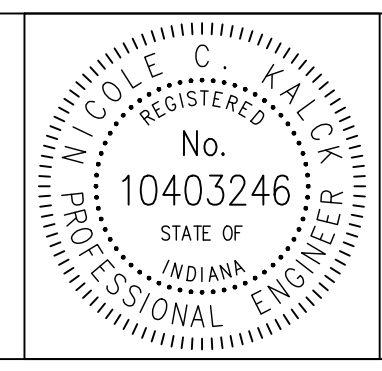
CITY OF BLOOMINGTON, INDIANA
PLAN AND PROFILE

SCALE	BRIDGE FILE
1"=20'	
VERT. SCALE	DESIGNATION
1"=5'	
SURVEY BOOK	SHEETS
	6 of 19
CONTRACT	PROJECT



LEGEND:

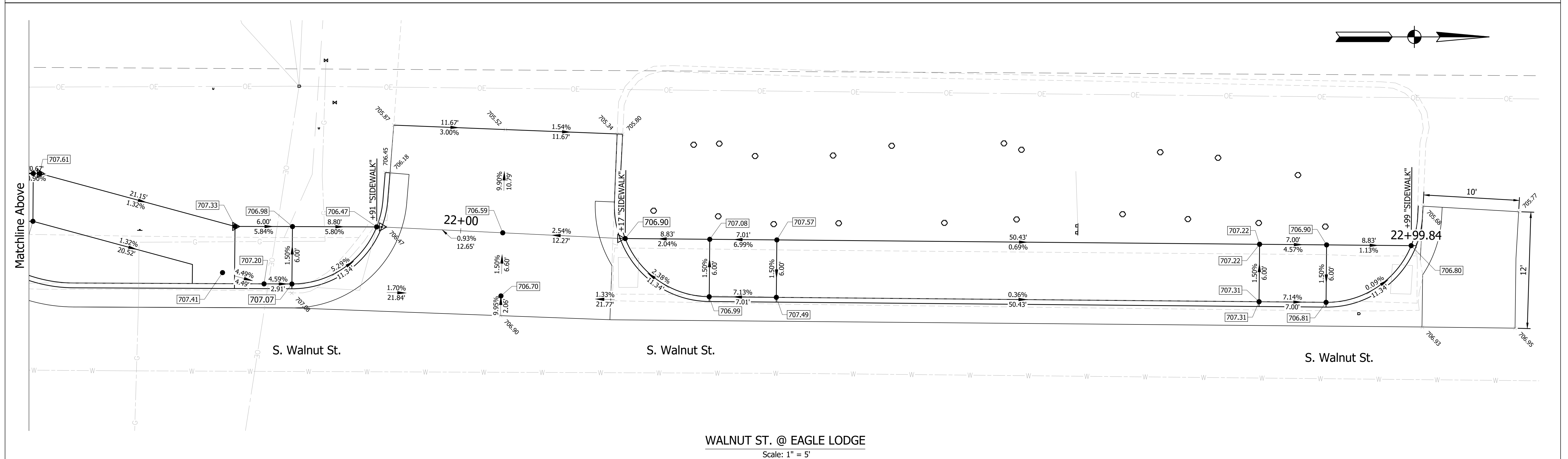
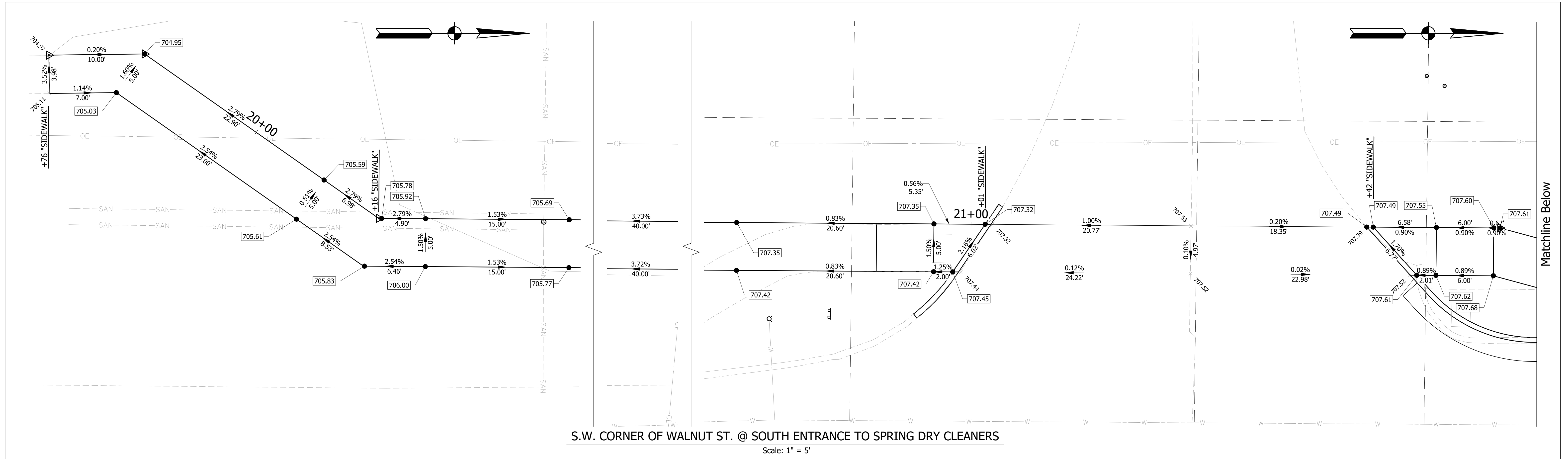
- XXX.XX Existing Elevation
- XX.XX Proposed Elevation
- X.XX% Grade & Distance
- X.XX'



RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	DESIGN ENGINEER	10/10/2018	DATE
DESIGNED:	AJS	DRAWN:	AJS	
CHECKED:	NCK	CHECKED:	NCK	

CITY OF BLOOMINGTON, INDIANA	
SPOT ELEVATION DETAILS	

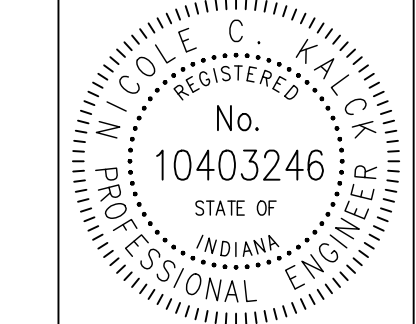
SCALE AS SHOWN	BRIDGE FILE
VERT. SCALE N/A	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	7 of 19
	PROJECT



P:\2016\16076 Mitchell St. & Walnut St. Sidewalk Design\Plans\Construction Plans\Walnut St. Walnut_Curb&RampDetails.dwg

LEGEND:

xxx.xx	Existing Elevation
XX.XX	Proposed Elevation
X.XX%	Grade & Distance
X.XX'	Grade & Distance



RECOMMENDED FOR APPROVAL	<i>J. Cole C. Kalkbrenner</i>	DESIGN ENGINEER	10/10/2018	DATE
DESIGNED:	AJS	DRAWN:	AJS	
CHECKED:	NCK	CHECKED:	NCK	

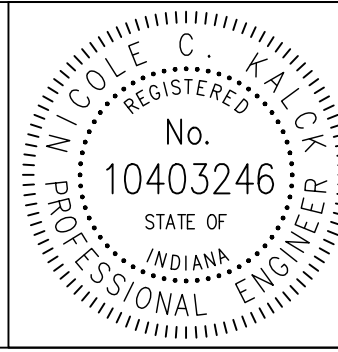
CITY OF BLOOMINGTON, INDIANA	
SPOT ELEVATION DETAILS	

SCALE	BRIDGE FILE
AS SHOWN	DESIGNATION
VERT. SCALE	
SURVEY BOOK	SHEETS
CONTRACT	8 of 19
	PROJECT

TEMPORARY EROSION CONTROL TABLE													
STATION	LOCATION			SILT FENCE	SEDIMENT TRAP	SEDIMENT BASIN	SLOPE DRAIN	RIPRAP SPLASHPAD	STRAW BALES DITCH CHECK	RIPRAP DITCH CHECK	DITCH INLET PROTECTION	INLET PROTECTION	REMARKS
	LEFT	MEDIAN	RIGHT										
				LFT	CYS	EACH	LFT	CYS	LFT	CYS	EACH	EACH	
Line "PR-B"													
103+79 to 104+00	X			35									
104+29 to 106+60	X			254									
104+98	X											1	
106+84 to 107+17	X			38									
106+86 to 107+17	X			42									
113+20 to 114+42	X			130									
114+80 to 115+31	X			51									
115+55 to 116+38	X			84									
TOTALS				634								1	

PAVEMENT QUANTITIES AND APPROACH TABLE																																								
LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADIUS	DISTANCE BEYOND R/W LINE	SURFACE BEYOND R/W LINE			GRADE	EXCAVATION	CLEAR ZONE AT DRIVE	HMA FOR APPROACHES	HMA MATERIALS					HMA, BASE 25.0 mm	SEAL COAT, TYPE 2	SEAL COAT, TYPE 5	HMA MATERIAL FOR		COMPACTED AGGREGATE FOR BASE NO. 53				COMPACTED AGGREGATE FOR SURFACE NO. 73		PCCP FOR APPROACHES, 6 IN.	SUBGRADE TREATMENT, TYPE IB	REMARKS									
						COMPACTED AGGREGATE BASE	HMA	CONCRETE					SURFACE 9.5 mm	INTERMD. 19.0 mm	BASE 25.0 mm	HMA FOR WIDENING, TYPE B	HMA FOR WIDENING, TYPE C				PRIME COAT	TACK COAT	DEPTH		DEPTH															
													SYS	SYS	SYS	SYS	SYS				SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS				SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS
						1	2	3					4	CUT	FILL	FT	SYS				SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS				SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS
Line "PR-B"																																								
105+70 to 106+59	Widening with HMA, Type C	2	115																																					
114+85 to 115+31	Widening with HMA, Type C	2	54																																					
115+54 to 116+38	Widening with HMA, Type C	2	103																																					
TOTALS																																								

P:\2016\16076 Mitchell St. & Walnut St. Sidewalk Design\Plans\Construction Plans\Walnut\Str_Walnut_Quantity Summary.dwg



RECOMMENDED FOR APPROVAL *Nicole Kalkowski* 10/10/2018
DESIGN ENGINEER DATE

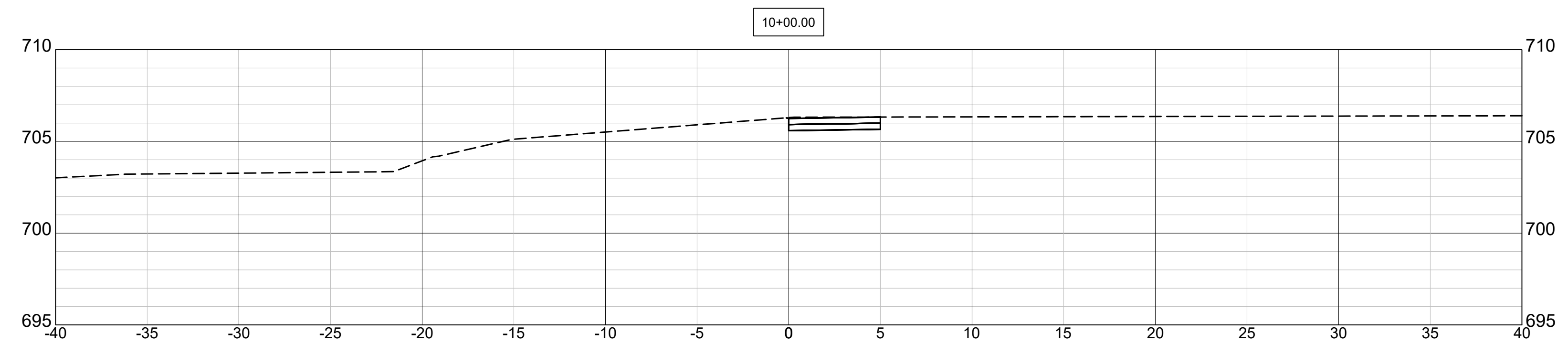
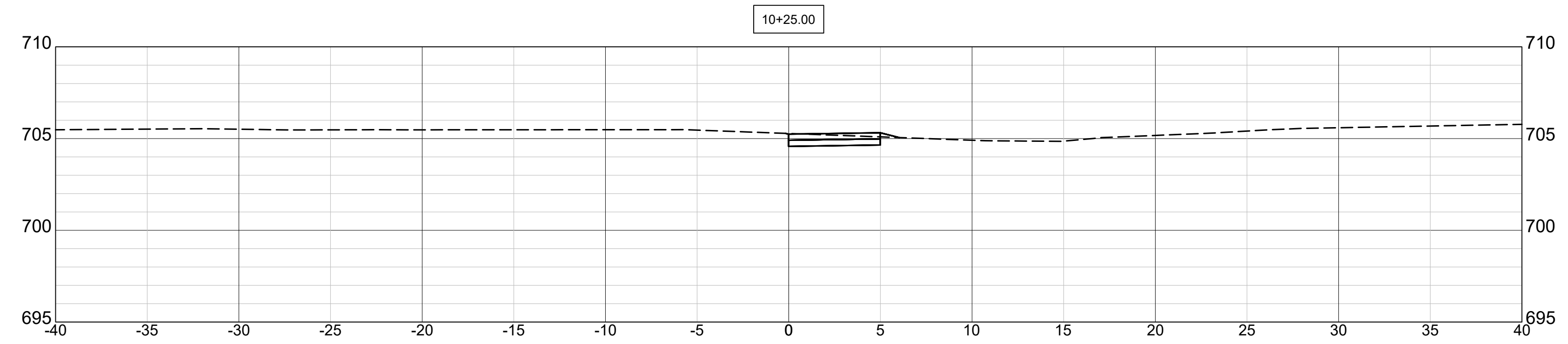
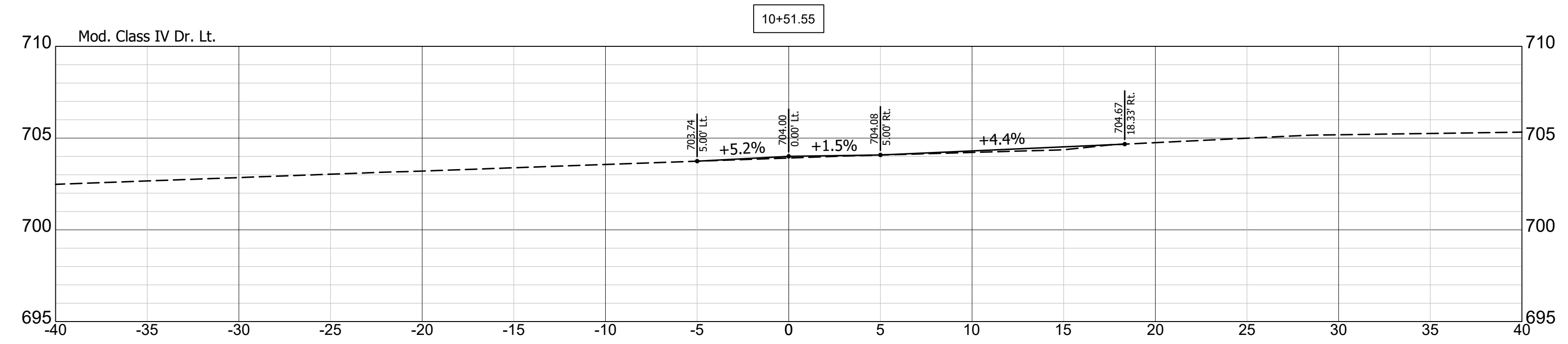
DESIGNED: AJS DRAWN: AJS
CHECKED: NCK CHECKED: NCK

CITY OF BLOOMINGTON, INDIANA

MISCELLANEOUS TABLES

SCALE	BRIDGE FILE
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VERT. SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	9 of 19
CONTRACT	PROJECT

P:\2016\16076 Mitchell St. & Walnut St. Sidewalk Design\Plans\Construction Plans\Walnut\Shit_Walnut_CrossSections.dwg



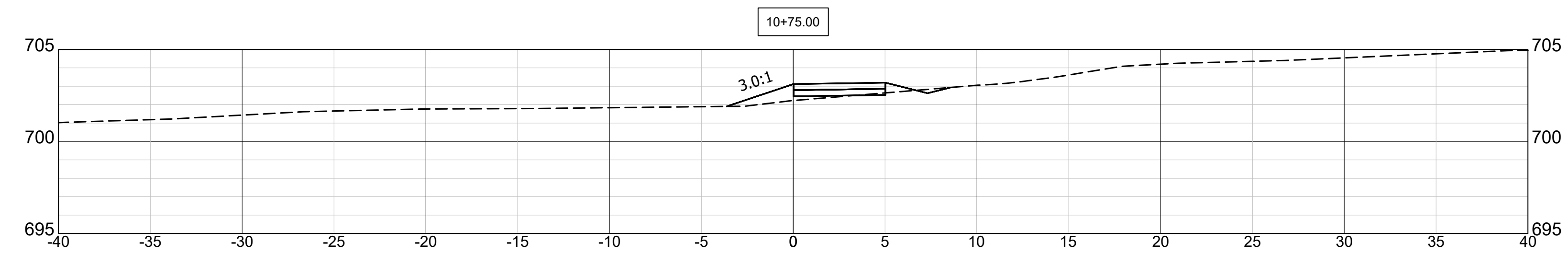
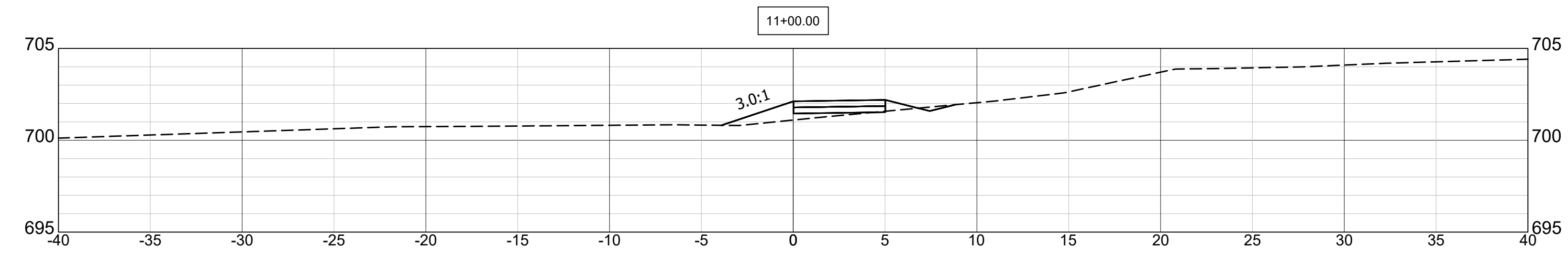
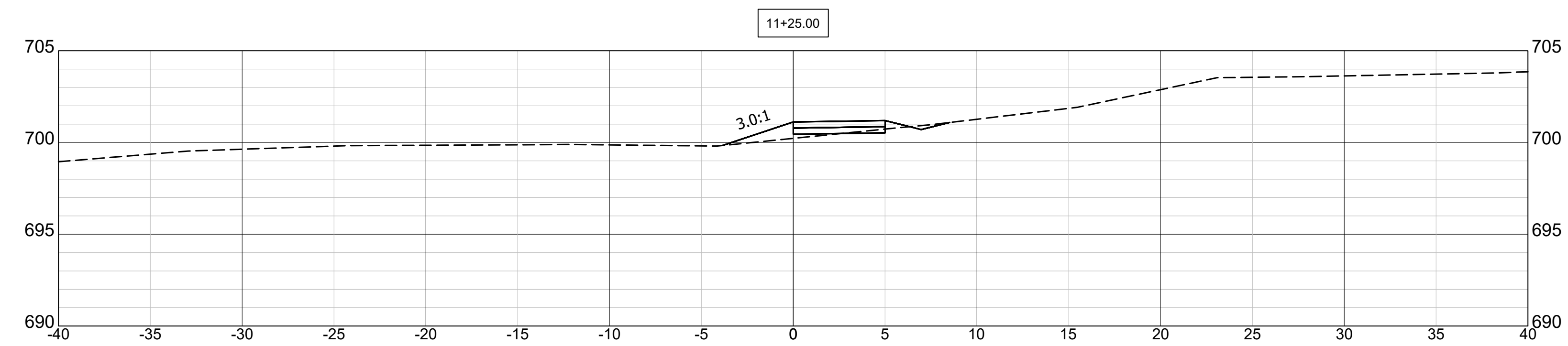
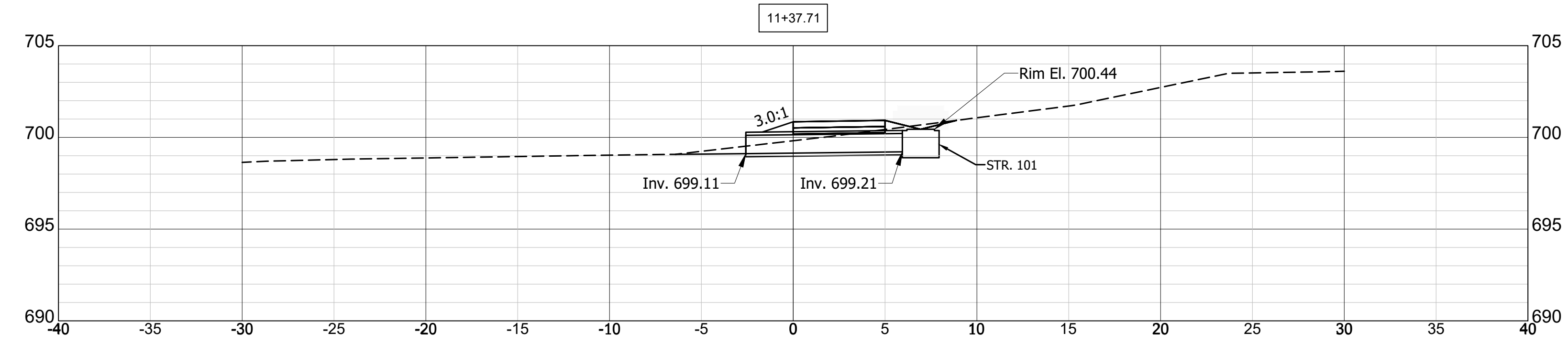
RECOMMENDED FOR APPROVAL _____ 10/10/2018
 DESIGN ENGINEER DATE

DESIGNED: AJS DRAWN: AJS
 CHECKED: NCK CHECKED: NCK

CITY OF BLOOMINGTON, INDIANA

CROSS SECTIONS

SCALE 1"=5'	BRIDGE FILE
VERT. SCALE 1"=5'	DESIGNATION
SURVEY BOOK	SHEETS 10 of 19
CONTRACT	PROJECT



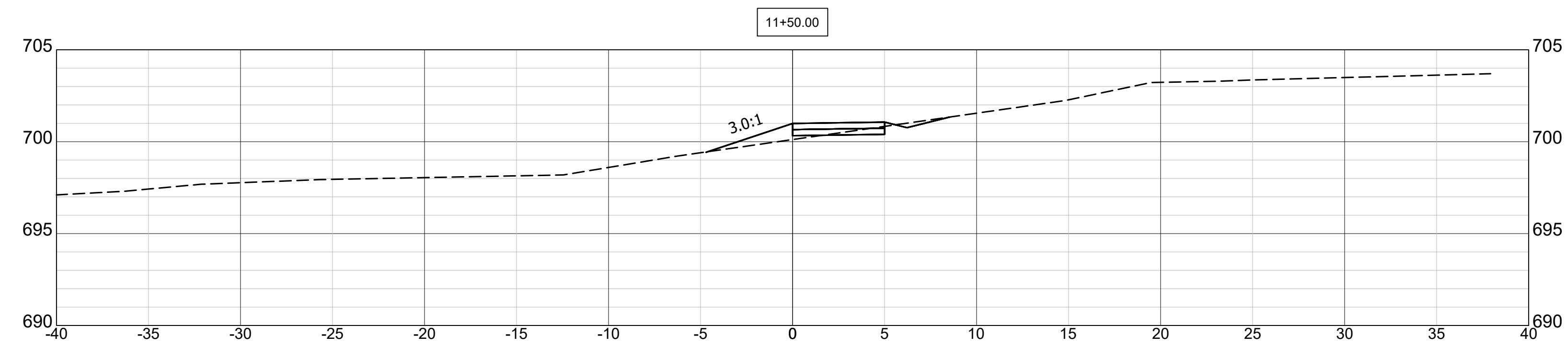
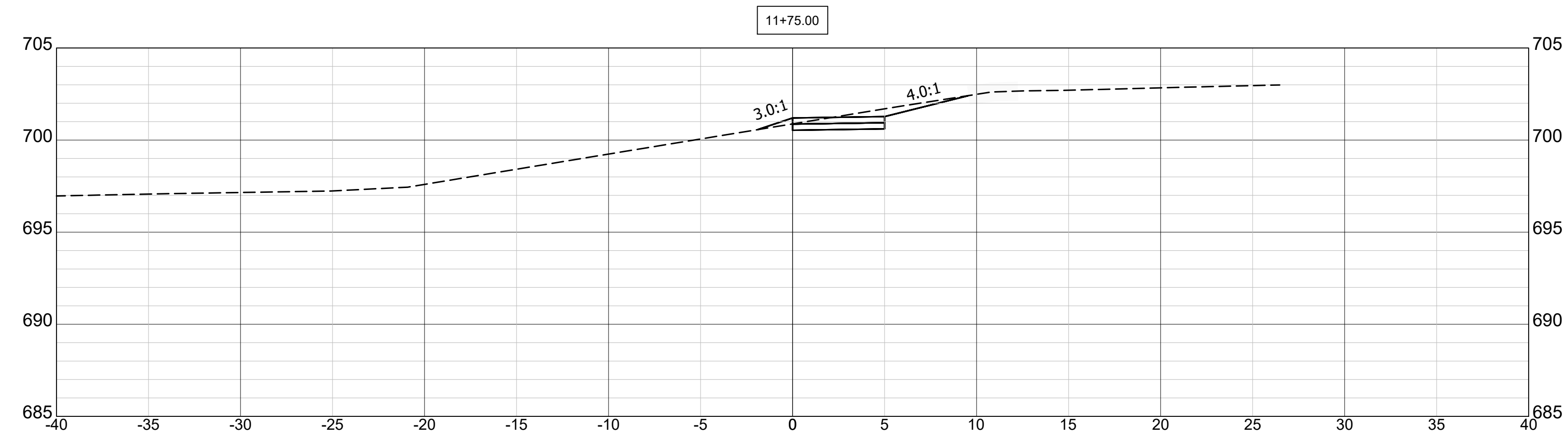
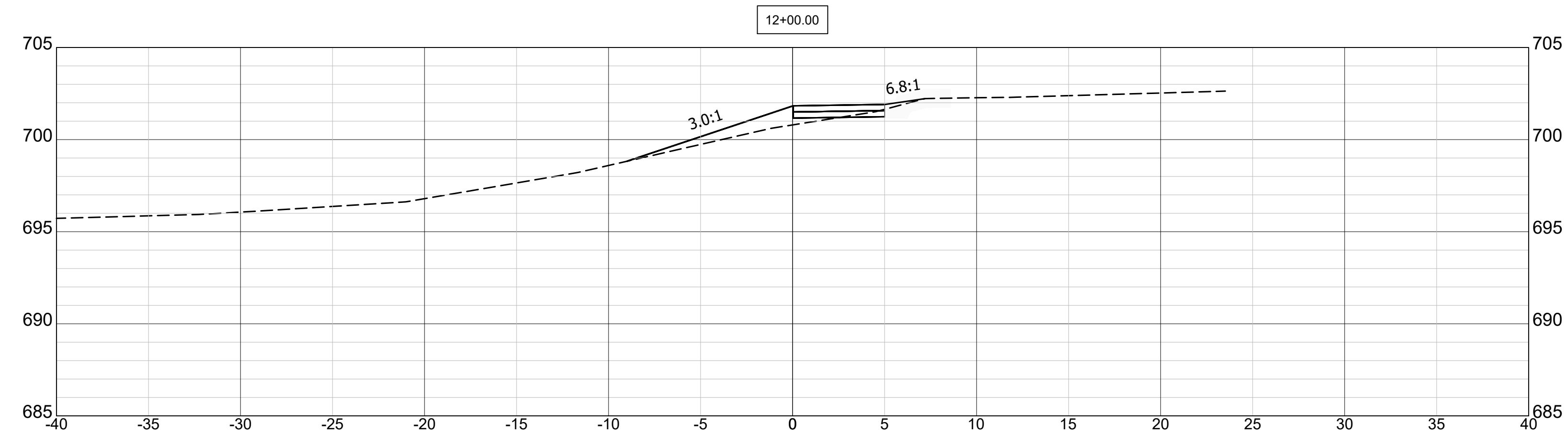
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RECOMMENDED FOR APPROVAL _____
 DESIGN ENGINEER DATE 10/10/2018
 DESIGNED: AJS DRAWN: AJS
 CHECKED: NCK CHECKED: NCK

CITY OF BLOOMINGTON, INDIANA
 CROSS SECTIONS

SCALE 1"=5'	BRIDGE FILE
VERT. SCALE 1"=5'	DESIGNATION
SURVEY BOOK	SHEETS 11 of 19
CONTRACT	PROJECT

P:\2016\16076 Mitchell St. & Walnut St. Sidewalk Design\Plans\Construction Plans\Walnut\Shit_Walnut_CrossSections.dwg



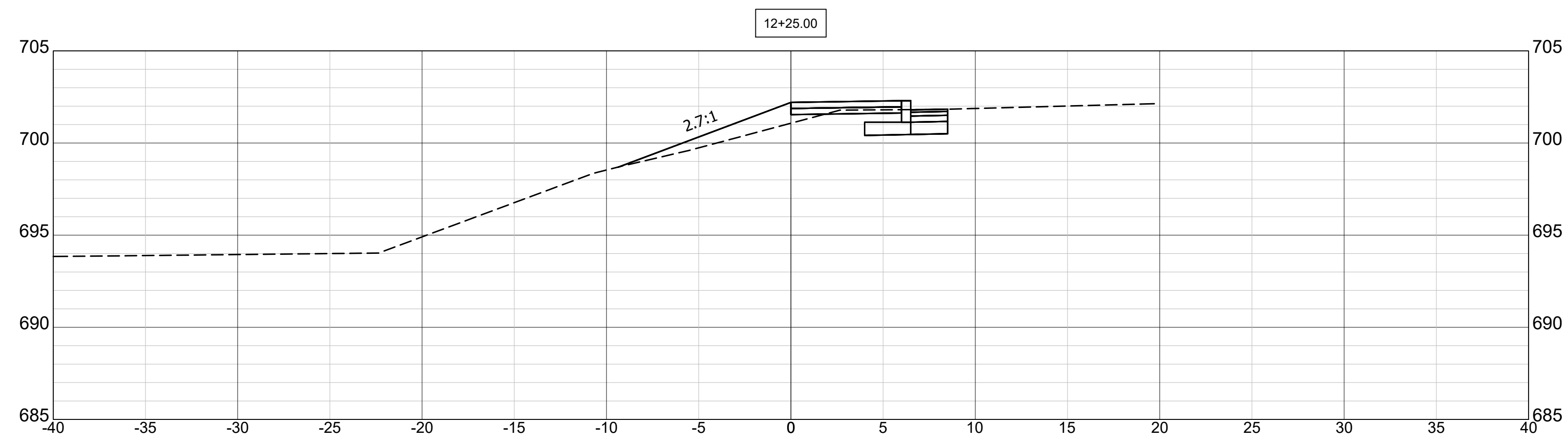
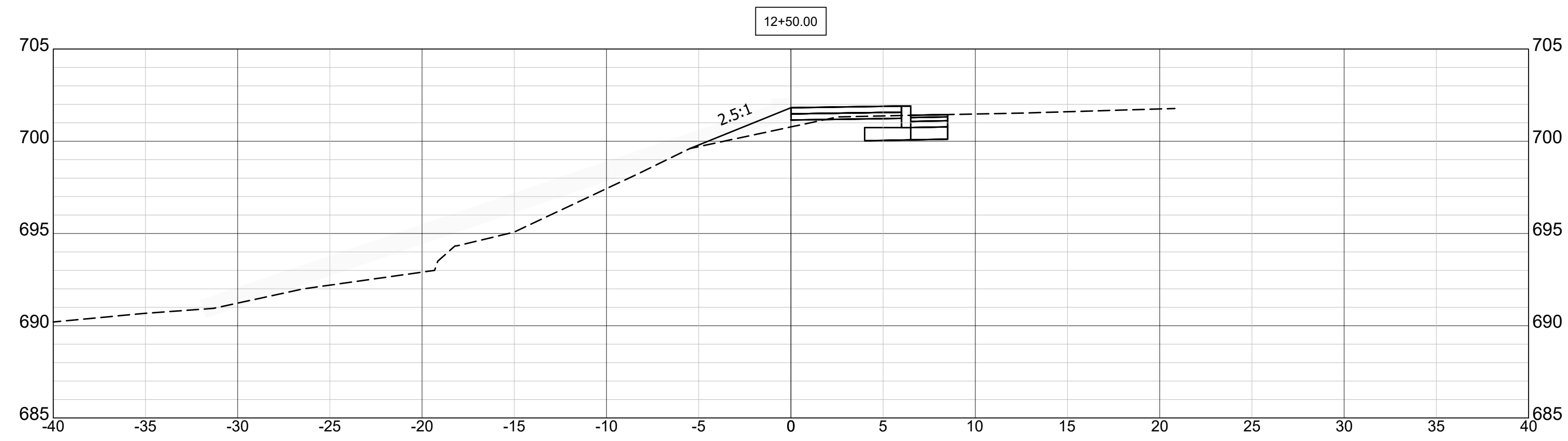
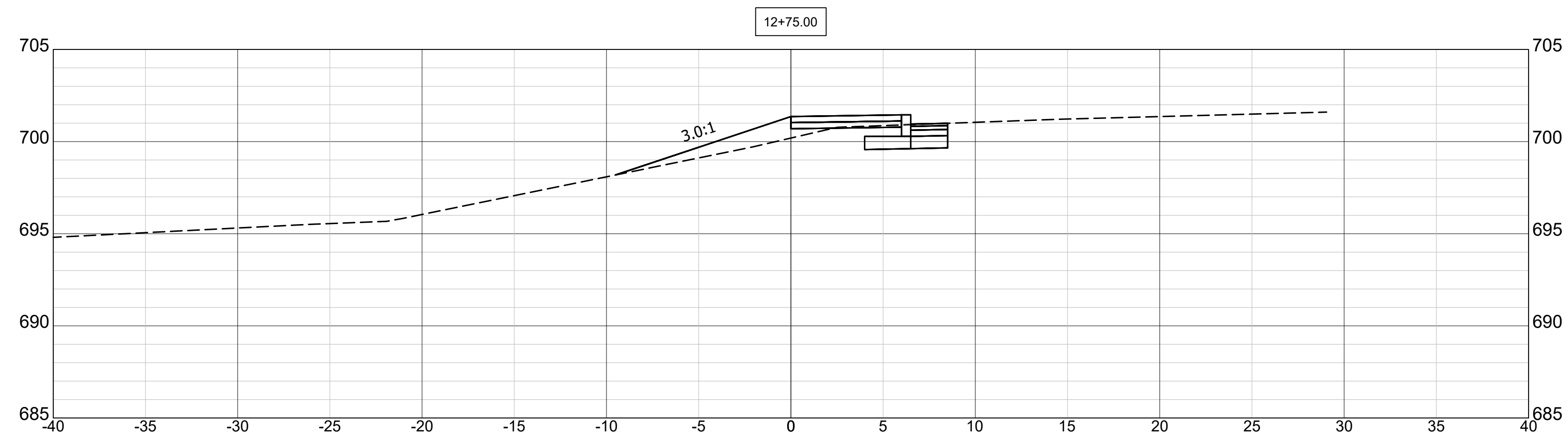
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 DESIGN ENGINEER DATE

DESIGNED: AJS DRAWN: AJS
 CHECKED: NCK CHECKED: NCK

CITY OF BLOOMINGTON, INDIANA

CROSS SECTIONS

SCALE 1"=5'	BRIDGE FILE
VERT. SCALE 1"=5'	DESIGNATION
SURVEY BOOK	SHEETS 12 of 19
CONTRACT	PROJECT



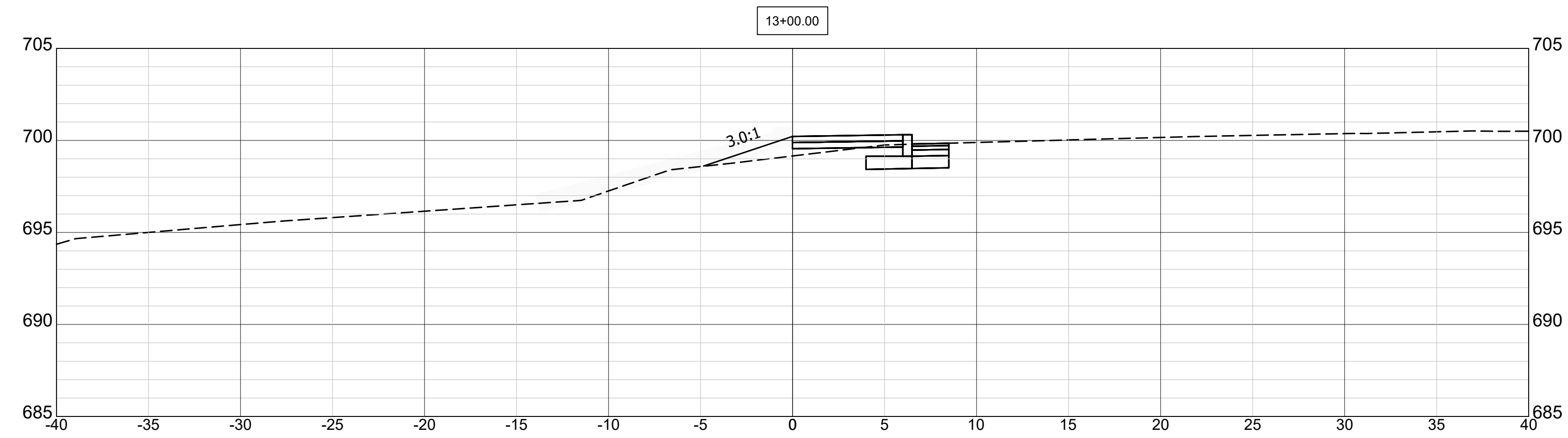
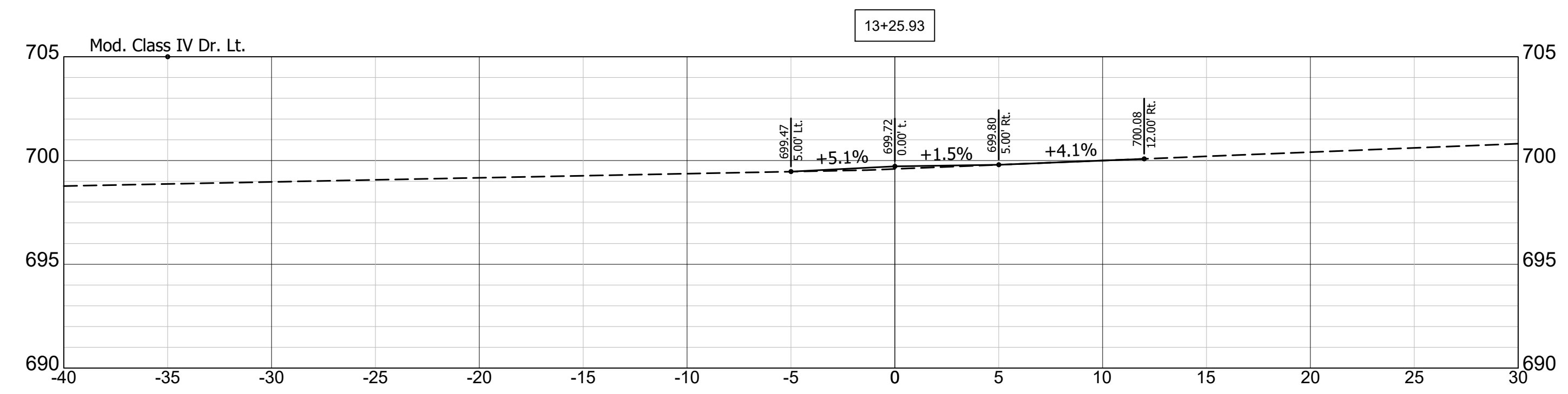
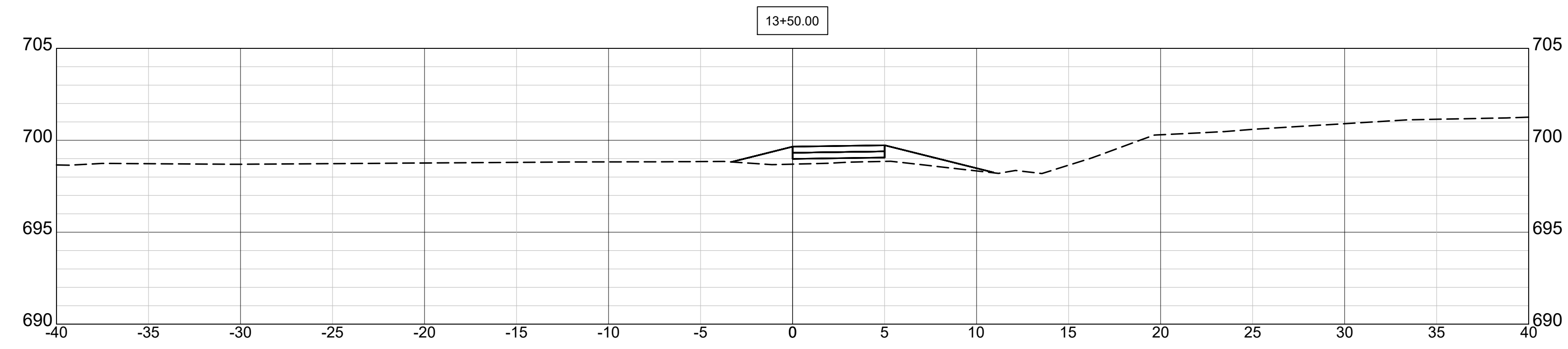
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RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: AJS	DRAWN: AJS	10/10/2018
CHECKED: NCK	CHECKED: NCK	

CITY OF BLOOMINGTON, INDIANA

CROSS SECTIONS

SCALE	BRIDGE FILE
1"=5'	
VERT. SCALE	DESIGNATION
1"=5'	
SURVEY BOOK	SHEETS
	13 of 19
CONTRACT	PROJECT



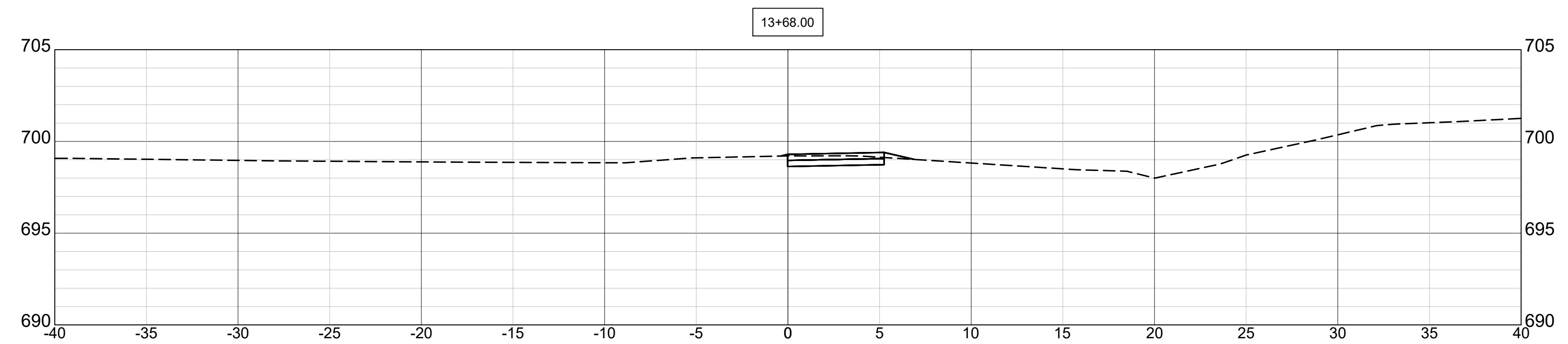
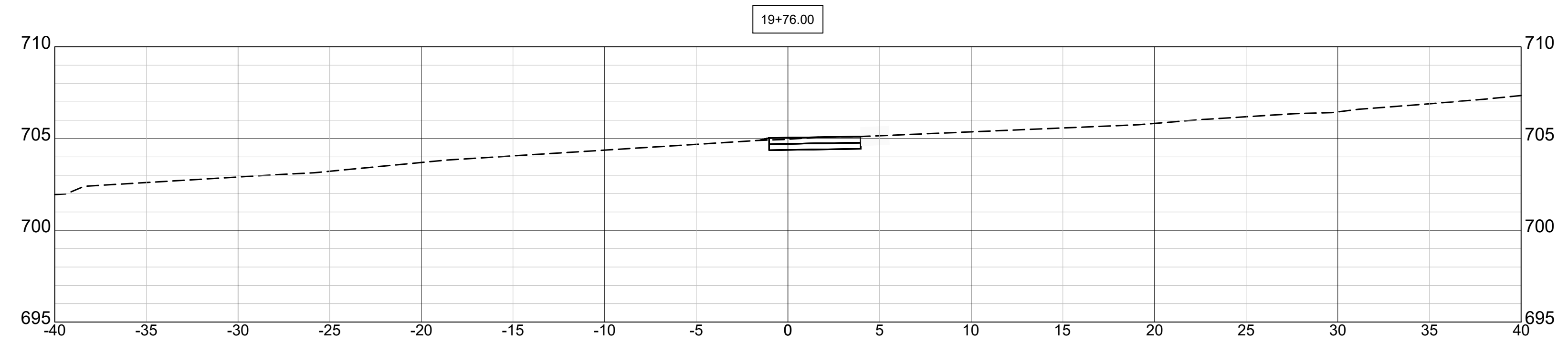
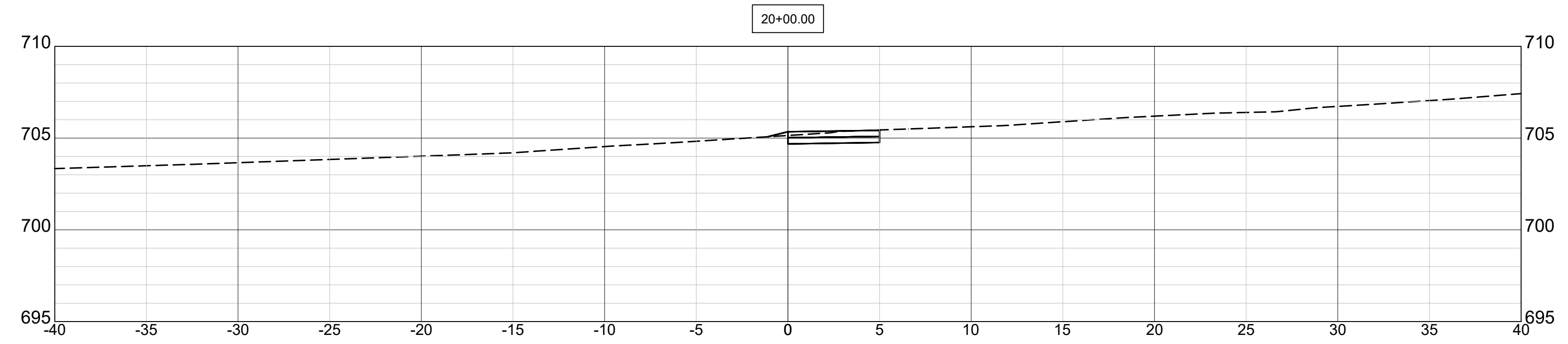
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RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	10/10/2018 DATE
DESIGNED: AJS _____	DRAWN: AJS _____	
CHECKED: NCK _____	CHECKED: NCK _____	

CITY OF BLOOMINGTON, INDIANA	
CROSS SECTIONS	

SCALE 1"=5'	BRIDGE FILE
VERT. SCALE 1"=5'	DESIGNATION
SURVEY BOOK	SHEETS 14 of 19
CONTRACT	PROJECT

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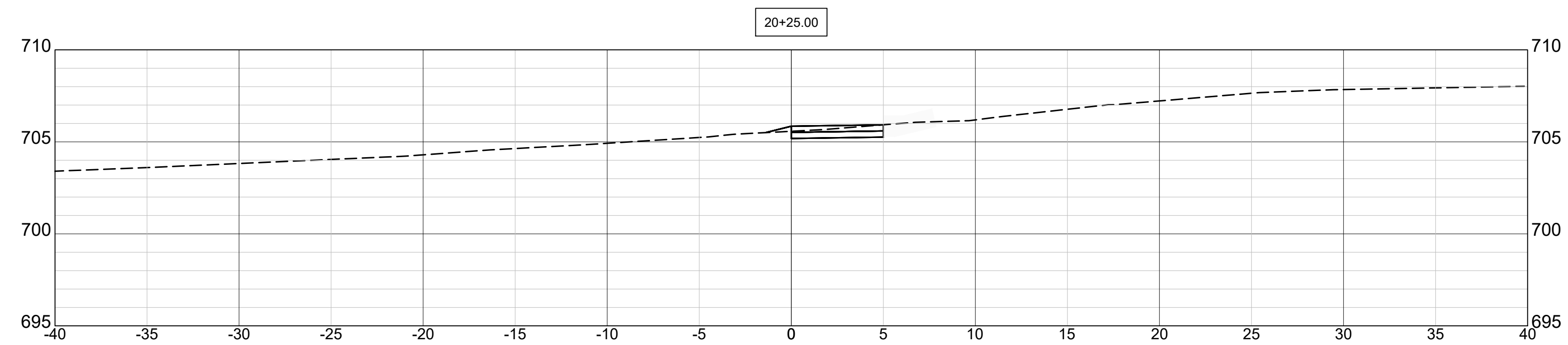
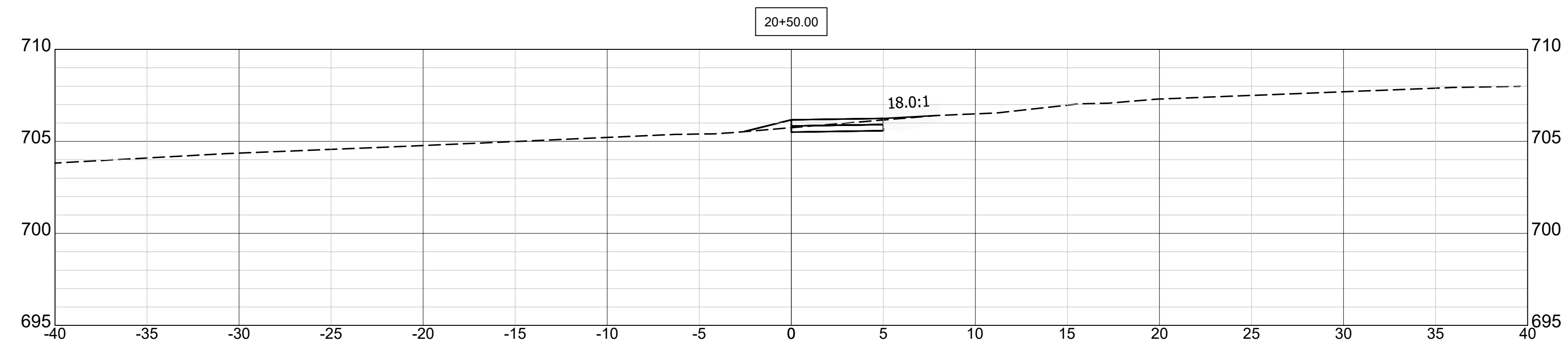
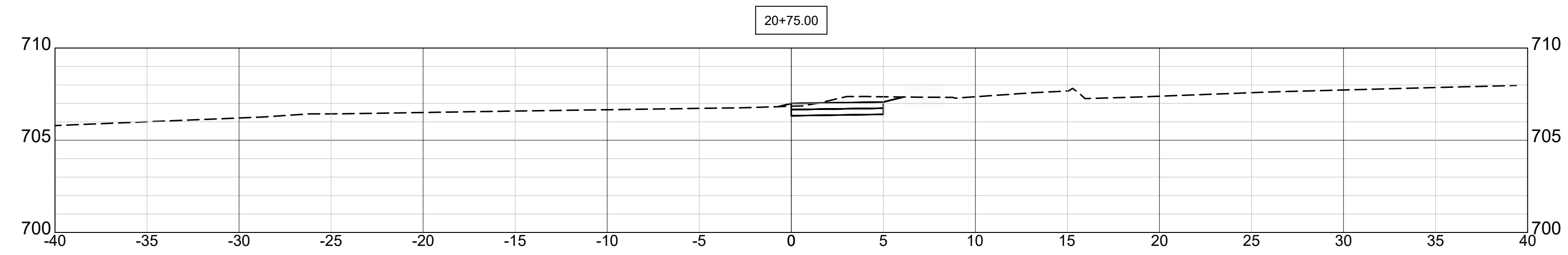
RECOMMENDED FOR APPROVAL _____ 10/10/2018 DATE
 DESIGN ENGINEER
 DESIGNED: AJS DRAWN: AJS
 CHECKED: NCK CHECKED: NCK

CITY OF BLOOMINGTON, INDIANA

CROSS SECTIONS

SCALE 1"=5'	BRIDGE FILE
VERT. SCALE 1"=5'	DESIGNATION
SURVEY BOOK	SHEETS 15 of 19
CONTRACT	PROJECT

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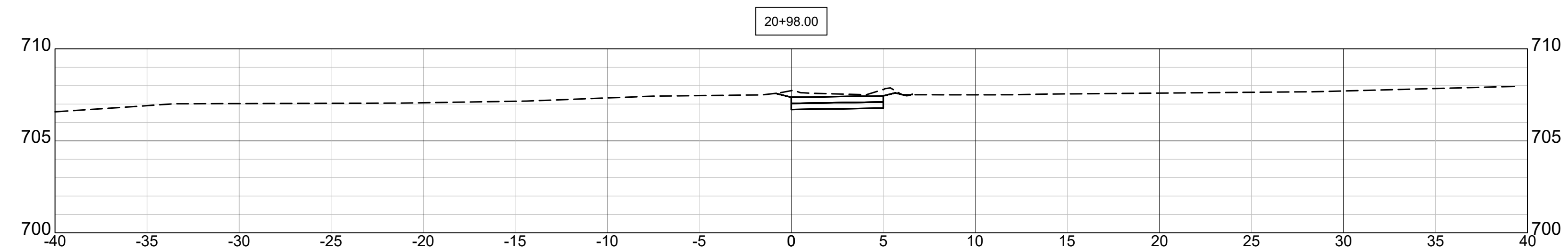
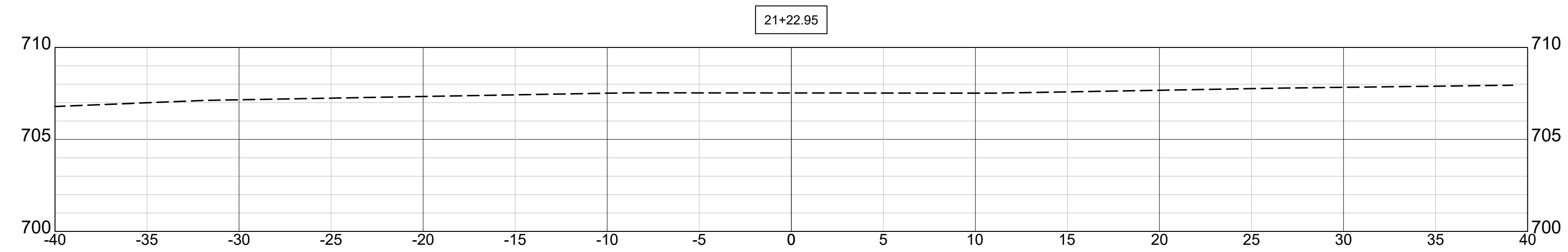
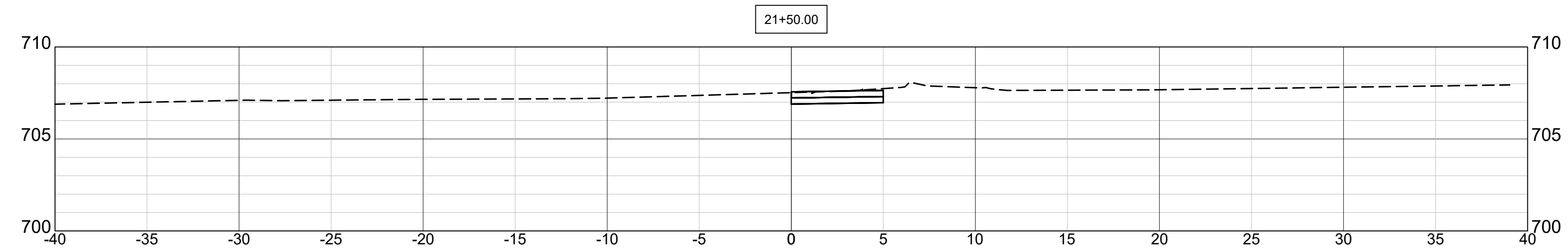
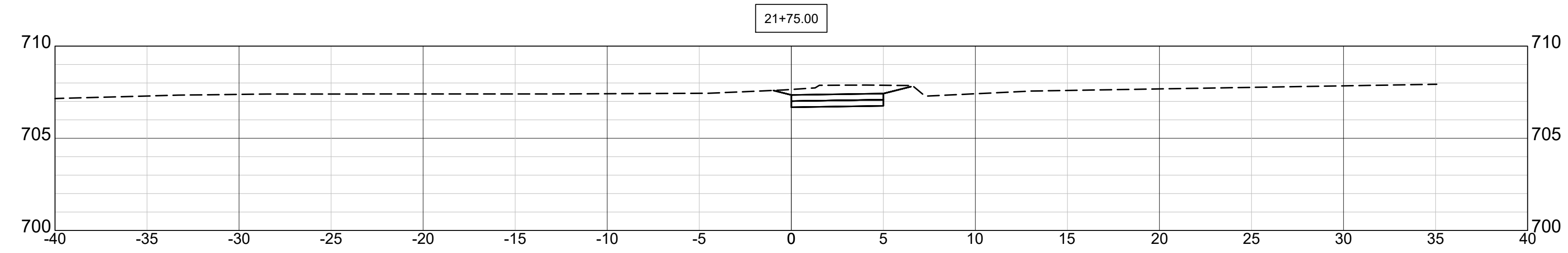
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	10/10/2018 DATE
DESIGNED: AJS _____	DRAWN: AJS _____	
CHECKED: NCK _____	CHECKED: NCK _____	

CITY OF BLOOMINGTON, INDIANA

CROSS SECTIONS

SCALE 1"=5'	BRIDGE FILE
VERT. SCALE 1"=5'	DESIGNATION
SURVEY BOOK	SHEETS 16 of 19
CONTRACT	PROJECT

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RECOMMENDED FOR APPROVAL _____ 10/10/2018
 DESIGN ENGINEER DATE

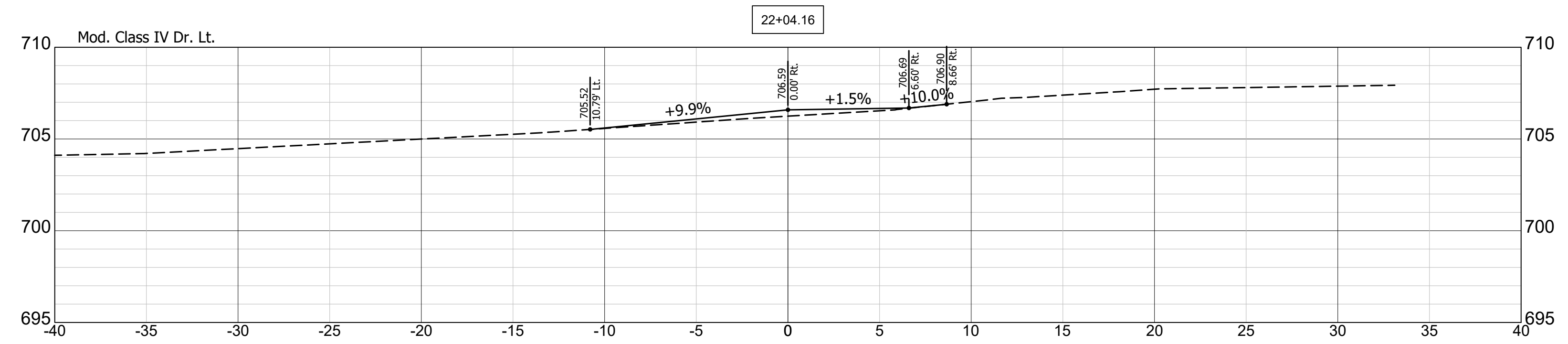
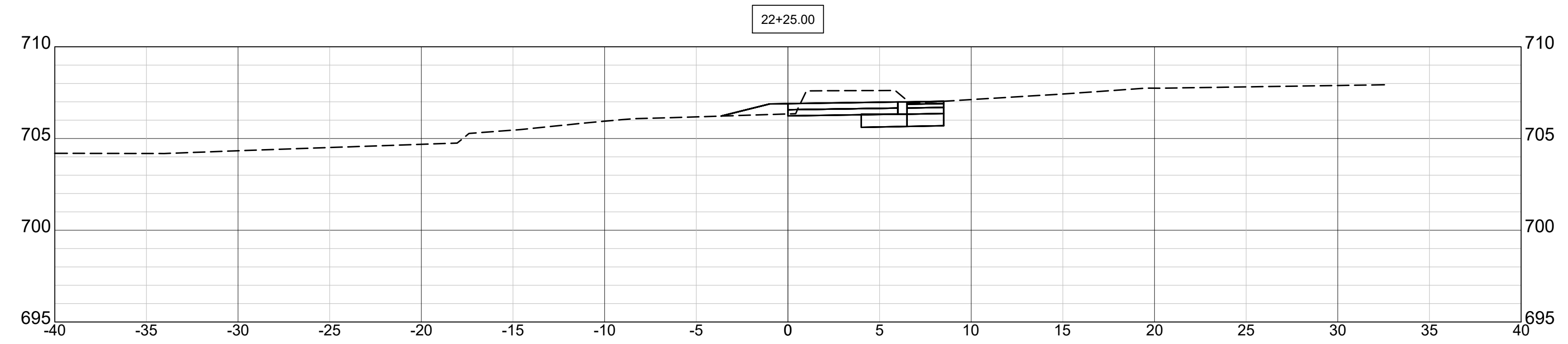
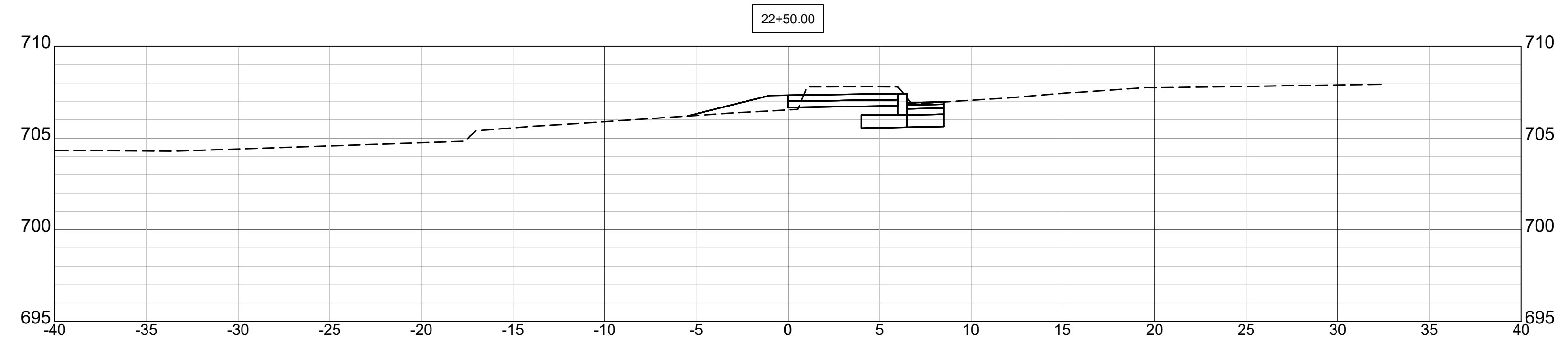
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CITY OF BLOOMINGTON, INDIANA

CROSS SECTIONS

SCALE	BRIDGE FILE
1"=5'	
VERT. SCALE	DESIGNATION
1"=5'	
SURVEY BOOK	SHEETS
	17 of 19
CONTRACT	PROJECT

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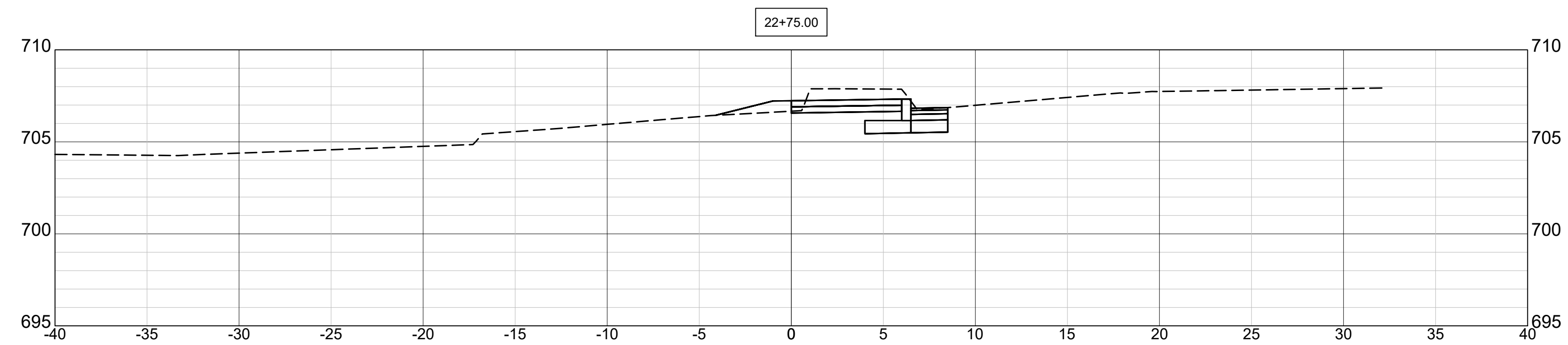
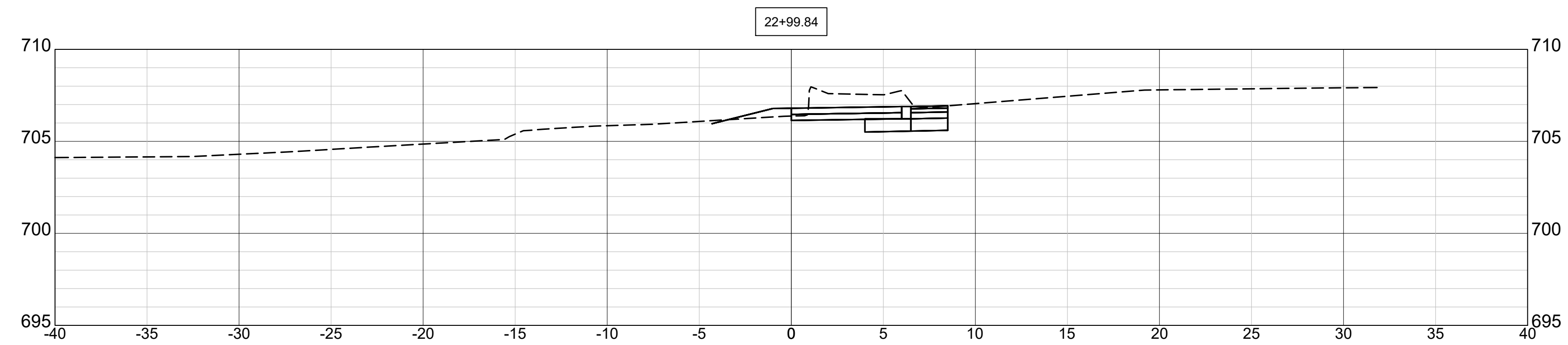


RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	10/10/2018 DATE
DESIGNED: AJS _____	DRAWN: AJS _____	
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CITY OF BLOOMINGTON, INDIANA	
CROSS SECTIONS	

SCALE 1"=5'	BRIDGE FILE
VERT. SCALE 1"=5'	DESIGNATION
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CITY OF BLOOMINGTON, INDIANA

CROSS SECTIONS

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VERT. SCALE 1"=5'	DESIGNATION
SURVEY BOOK	SHEETS 19 of 19
CONTRACT	PROJECT