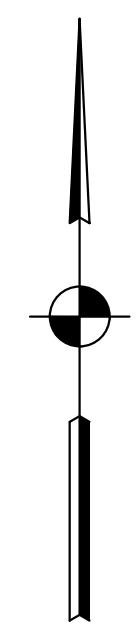
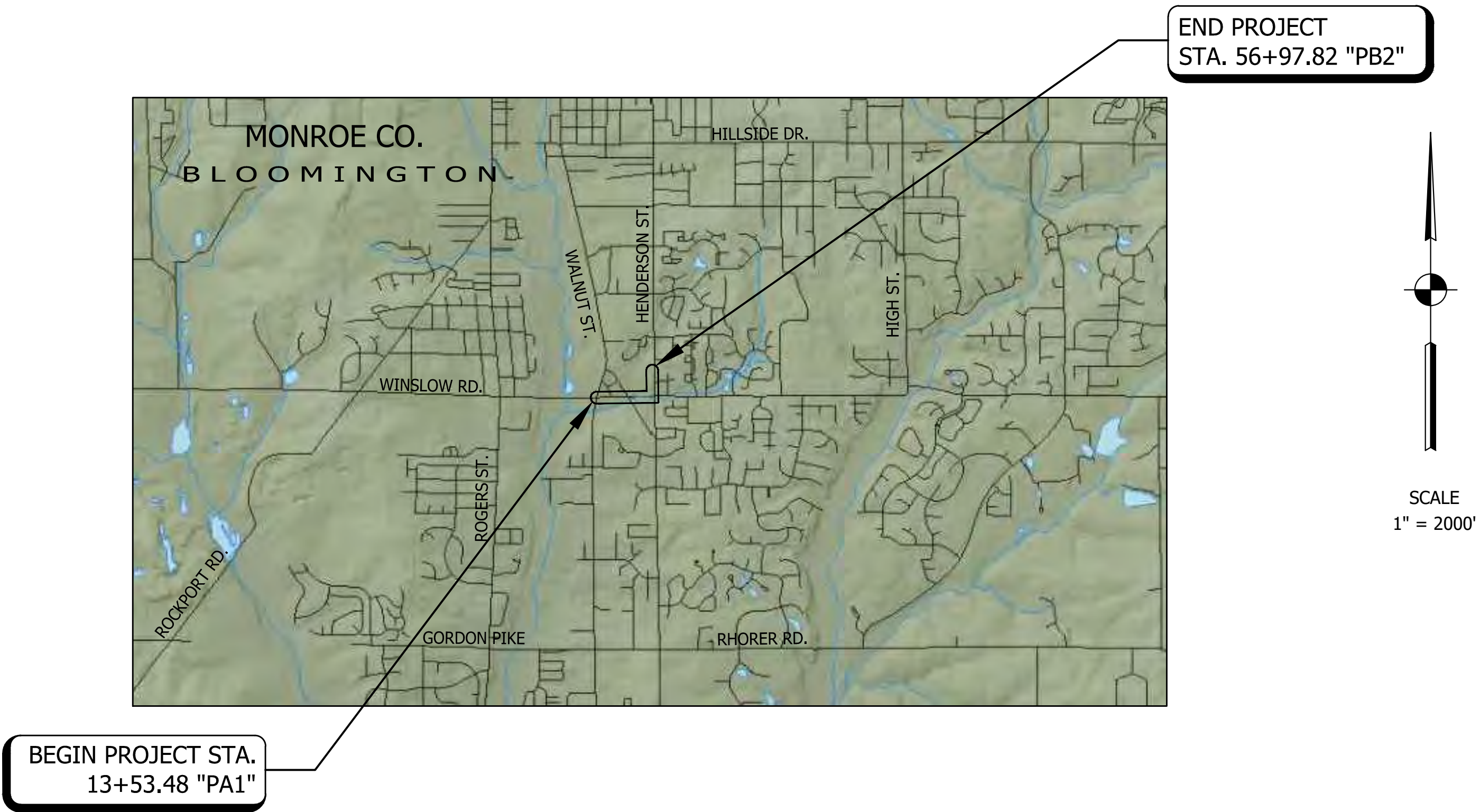


CITY OF BLOOMINGTON

WINSLOW RD. AND HENDERSON ST. PATH PROJECT

Gross Length: 0.35 MI.
Net Length: 0.35 MI.
Maximum Grade: 8.31%



SCALE
1" = 2000'

DESIGN DATA	
DESIGN SPEED	20 mi/h
PROJECT DESIGN CRITERIA	NEW CONSTRUCTION
FUNCTIONAL CLASSIFICATION	MULTI-USE PATH
RURAL/URBAN	URBAN (INTERMEDIATE)
TERRAIN	LEVEL
ACCESS CONTROL	NONE



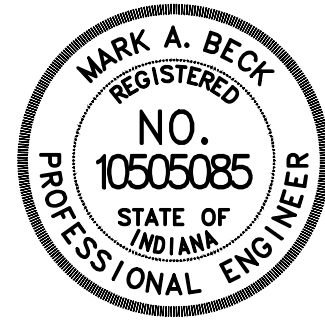
PROJECT LOCATION SHOWN BY —
MONROE COUNTY

LATITUDE: 39°08'09" N LONGITUDE: 86°31'43" W

PLANS PREPARED BY:



Transportation &
Development Consultants
3417 S. SHERMAN DRIVE
BEECH GROVE, IN 46107
PHONE: (317)780-1555
FAX: (317)780-6525



PLANS
PREPARED BY: CROSSROAD ENGINEERS, P.C. (317) 780-1555
PHONE NUMBER
CERTIFIED BY: *Mark A. Beck* 6/22/17
DATE

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2016
TO BE USED WITH THESE PLANS

		DESIGNATION	1500380
		SHEETS	
		1	of 27
		PROJECT	

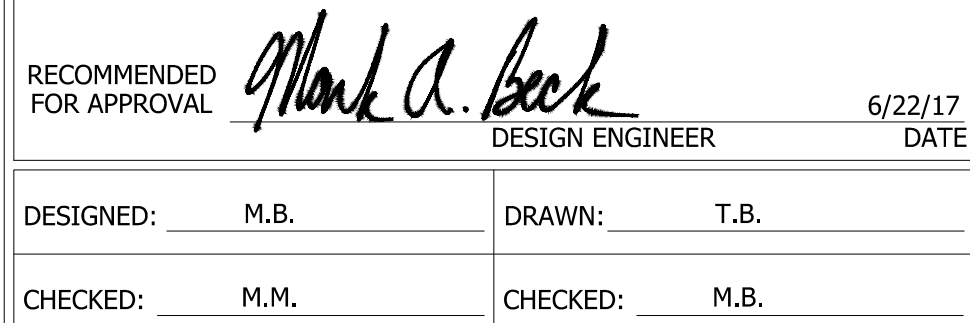
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DATE/USER : 6/22/2017 10:50 AM / Yibennett

UTILITIES		
AT&T - DISTRIBUTION 4517 E Indiana Bell Ct. Bloomington IN. 47408 Contact: Tod Moore Ph: (812) 334-4718 tm1925@att.com	Duke Energy Transmission Contact: Jason Keenan Ph: (317) 838-1513 jason.keenan@duke-energy.com Distribution Contact: Dawn McDaniel Ph: (812) 385-1636 dawn.mcdaniel@duke-energy.com	City of Bloomington - Utilities 600 E. Miller Dr. Bloomington, IN 47402 Contact: Phil Peden Ph: (812) 349-3631 pedenp@bloomington.in.gov
Comcast 1600 West Vernal Pike Bloomington, IN 47403 Contact: Steve Mcartor Ph: (812) 360-3090 steve_mcartor@cable.comcast.com	Smithville Fiber P.O. Box 728 Ellettsville, IN 41429-0728 Contact: Joe Bryniarski Ph: (812) 340-7076 joe.bryniarski@smithville.com	Vectren 205 S. Madison St. Bloomington, IN 47403 Contact: Doug Anderson Ph: (812) 330-4009 danderson@vectren.com
City of Bloomington Street Dept. Traffic Signs & Pavement Markings 1981 S. Henderson St. Bloomington, IN 47401 Contact: Mike Stinson Ph: (812) 394-3450 stinsonm@bloomington.in.gov	Windstream 5020 Smythe Dr. Evansville, IN 47715 Contact: Jeff Taylor Ph: (309) 838-0788 jeff.taylor@windstream.com	

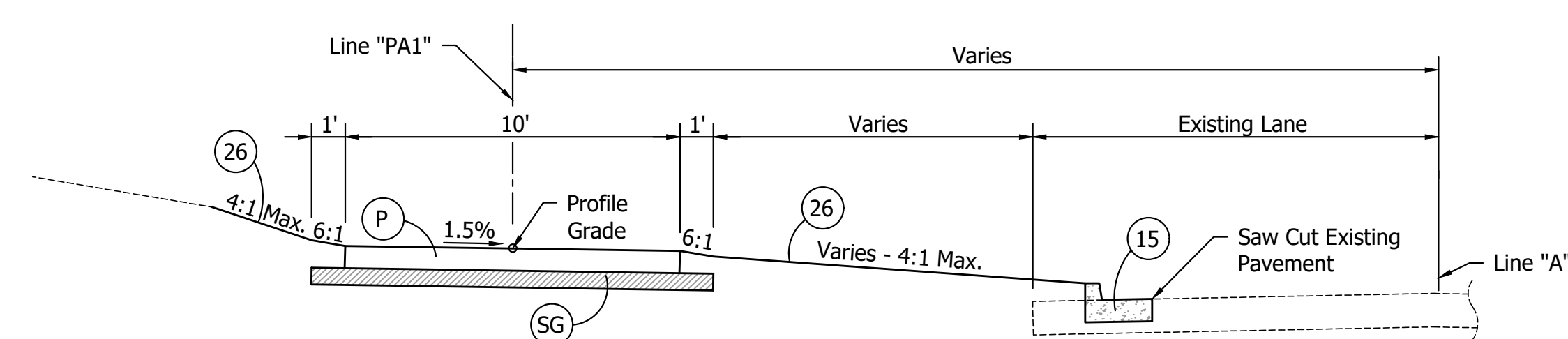
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INDEX	
SHEET NO.	DRAWINGS INDEX
1	TITLE SHEET
2	INDEX SHEET AND GENERAL NOTES
3	TYPICAL CROSS SECTIONS
4	PLAT NO. 1
5-6	MAINTENANCE OF TRAFFIC
7-12	PATH PLAN AND PROFILES
13-17	CONSTRUCTION DETAILS
18-19	SPOT ELEVATION SHEETS
20-23	EROSION CONTROL SHEETS
24-25	MISCELLANEOUS DETAILS SHEET
26	PAVEMENT MARKING & SIGNING SHEETS
27	MISCELLANEOUS TABLES
XS1-XS16	CROSS SECTIONS

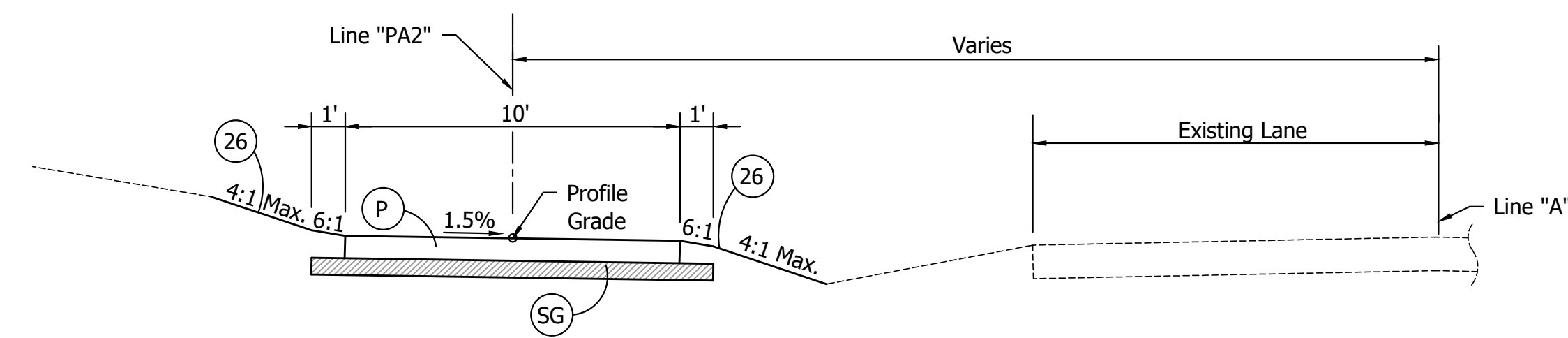
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SHEET NO	DATE	REVISED



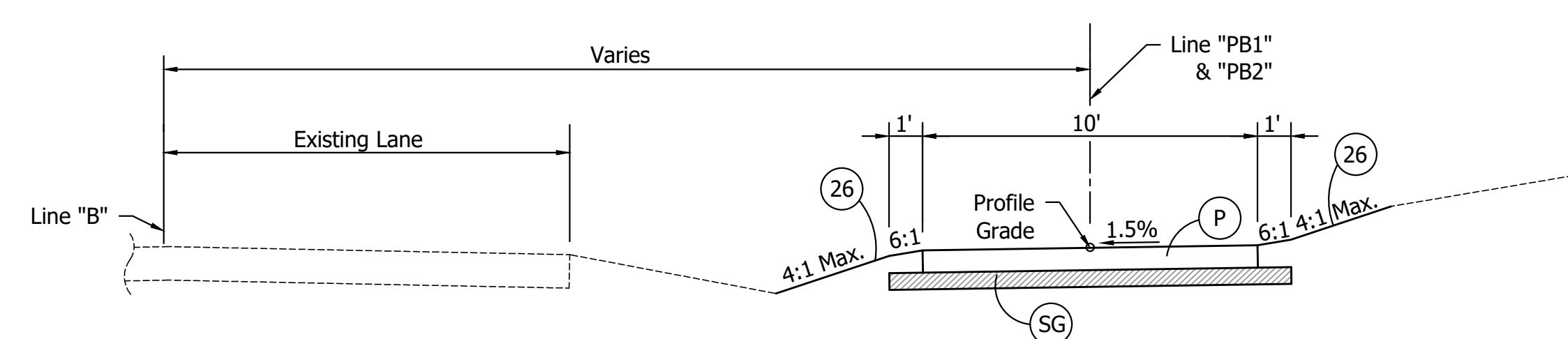
CITY OF BLOOMINGTON	HORIZONTAL SCALE		BRIDGE FILE		
	VERTICAL SCALE		DESIGNATION		
			—		
INDEX SHEET	SURVEY BOOK		2	SHEETS of	27
	CONTRACT			PROJECT	
	—		—		



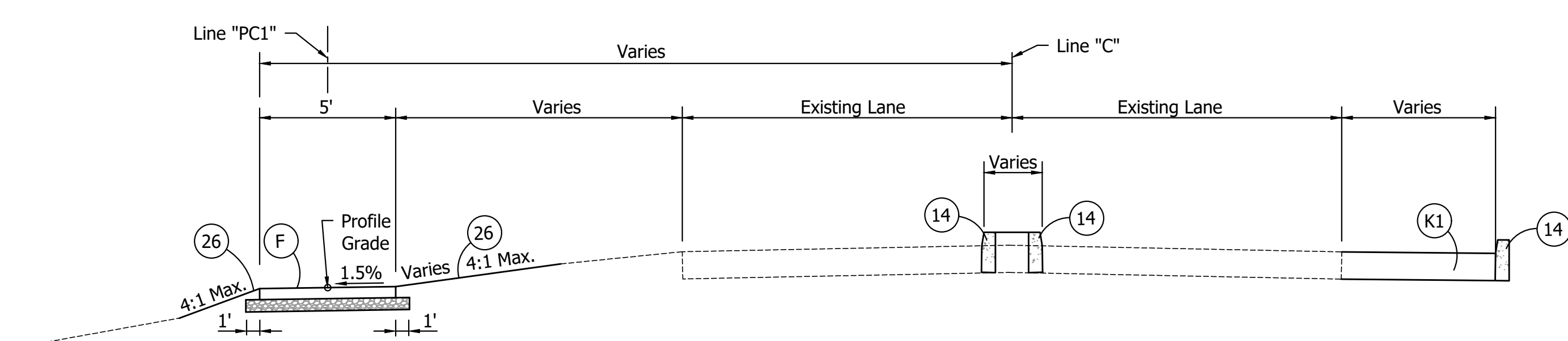
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LINE "PA1"



TYPICAL CROSS SECTION
LINE "PA2"



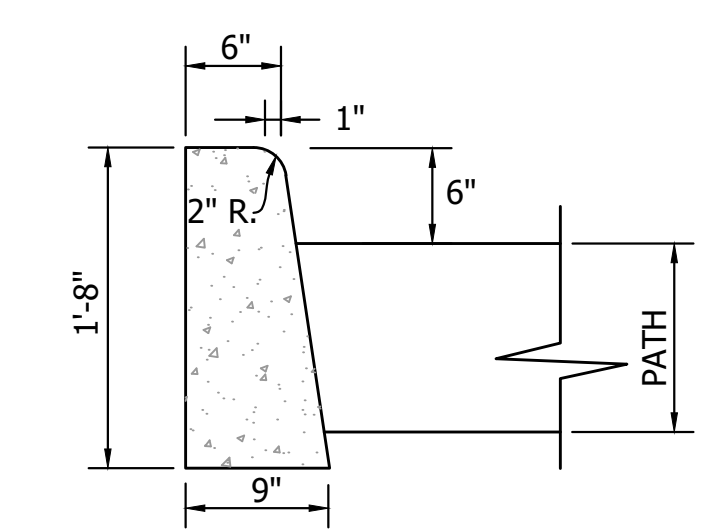
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LINE "PB1" & "PB2"



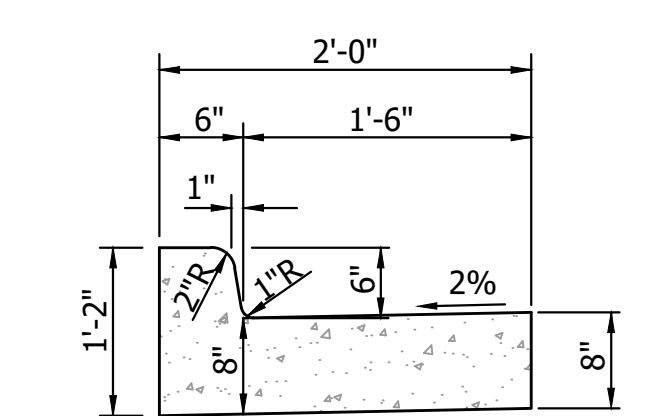
TYPICAL CROSS SECTION
LINE "PC1"

Note: The 6:1 Slope Next to Proposed Path is the Maximum Slope

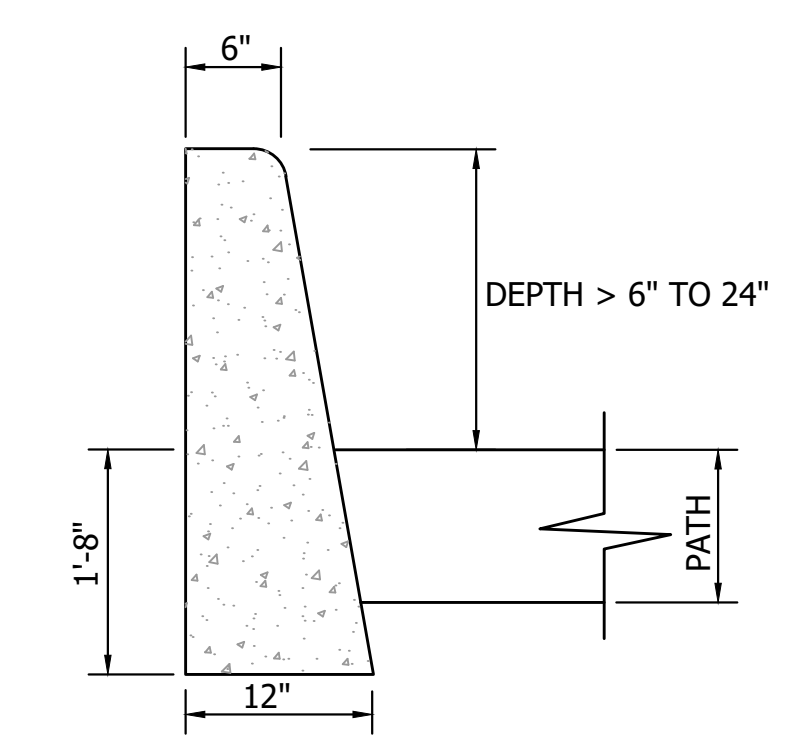
- LEGEND**
- (F) Sidewalk, Concrete, 4" on 4" Compacted Aggregate Base, No. 53
 - (14) Concrete Curb
 - (15) Combined Concrete Curb & Gutter
 - (20) Concrete Curb, Barrier, Modified
 - (26) Sodding
 - (P) 140 lb/syd HMA, Surface, Type A on 220 lb/syd HMA, Intermediate, Type A on 6" Compacted Aggregate No. 53 Base.
 - (SG) Subgrade Treatment, Type III
 - (K1) HMA Pavement
1.5" HMA Surface, Type C on 2.5" HMA Int., Type C on 4" HMA Base, Type C on Subgrade Treatment Type IC



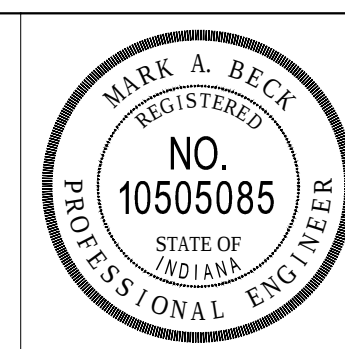
(14) CONCRETE CURB
NTS



(15) COMBINED CURB AND GUTTER
NTS



(20) CONCRETE CURB, BARRIER, MODIFIED
NTS
STA. 16+90 "PA1" to STA. 17+68.2 "PA1"



RECOMMENDED FOR APPROVAL *Mark A. Beck* 6/22/17
DESIGN ENGINEER DATE

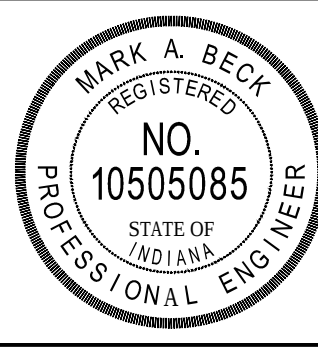
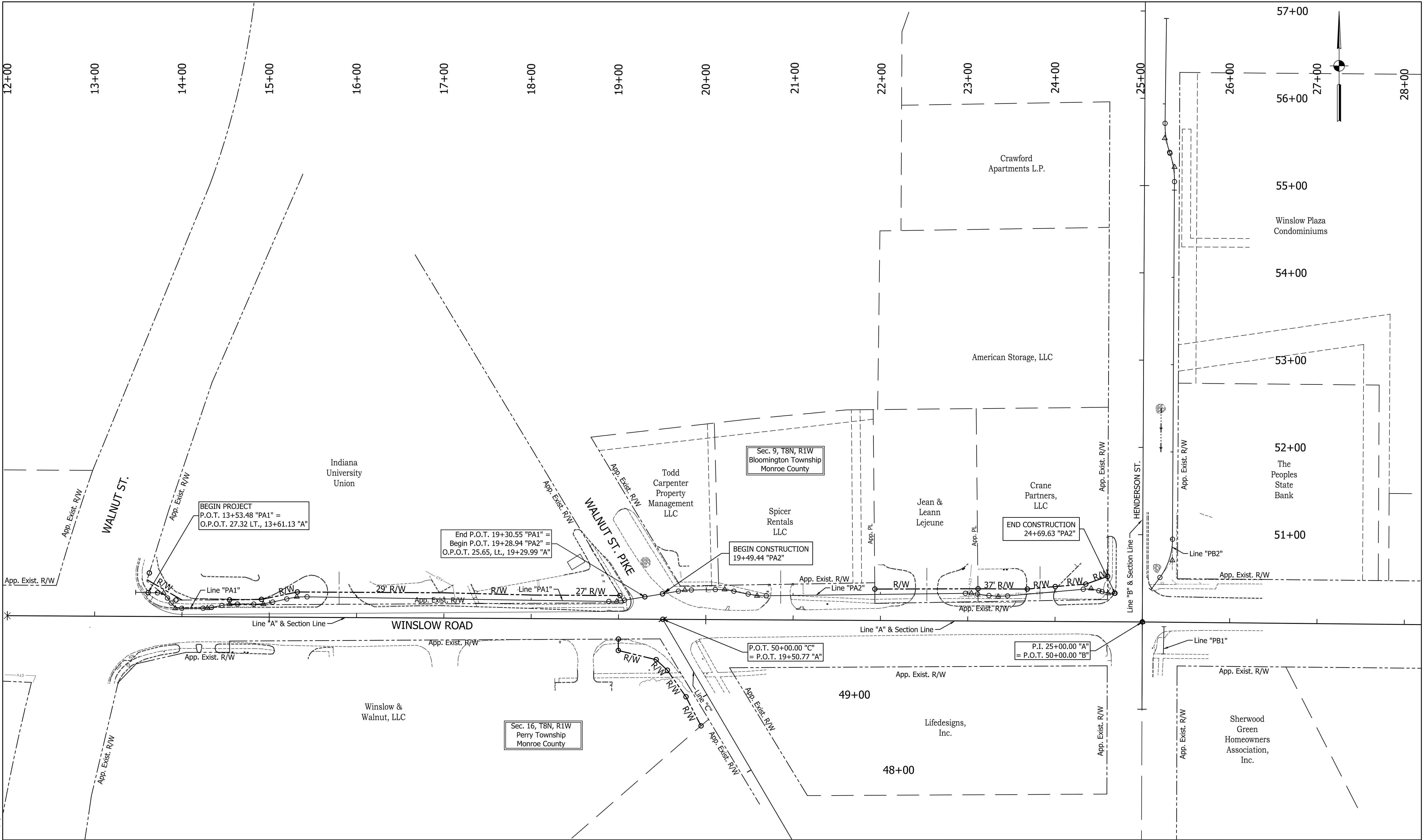
DESIGNED: M.B. DRAWN: T.B.
CHECKED: M.M. CHECKED: M.B.

CITY OF BLOOMINGTON

TYPICAL CROSS SECTIONS

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'-0"	DESIGNATION
VERTICAL SCALE	N/A
N/A	SURVEY BOOK
3	SHEETS of 27
CONTRACT	PROJECT

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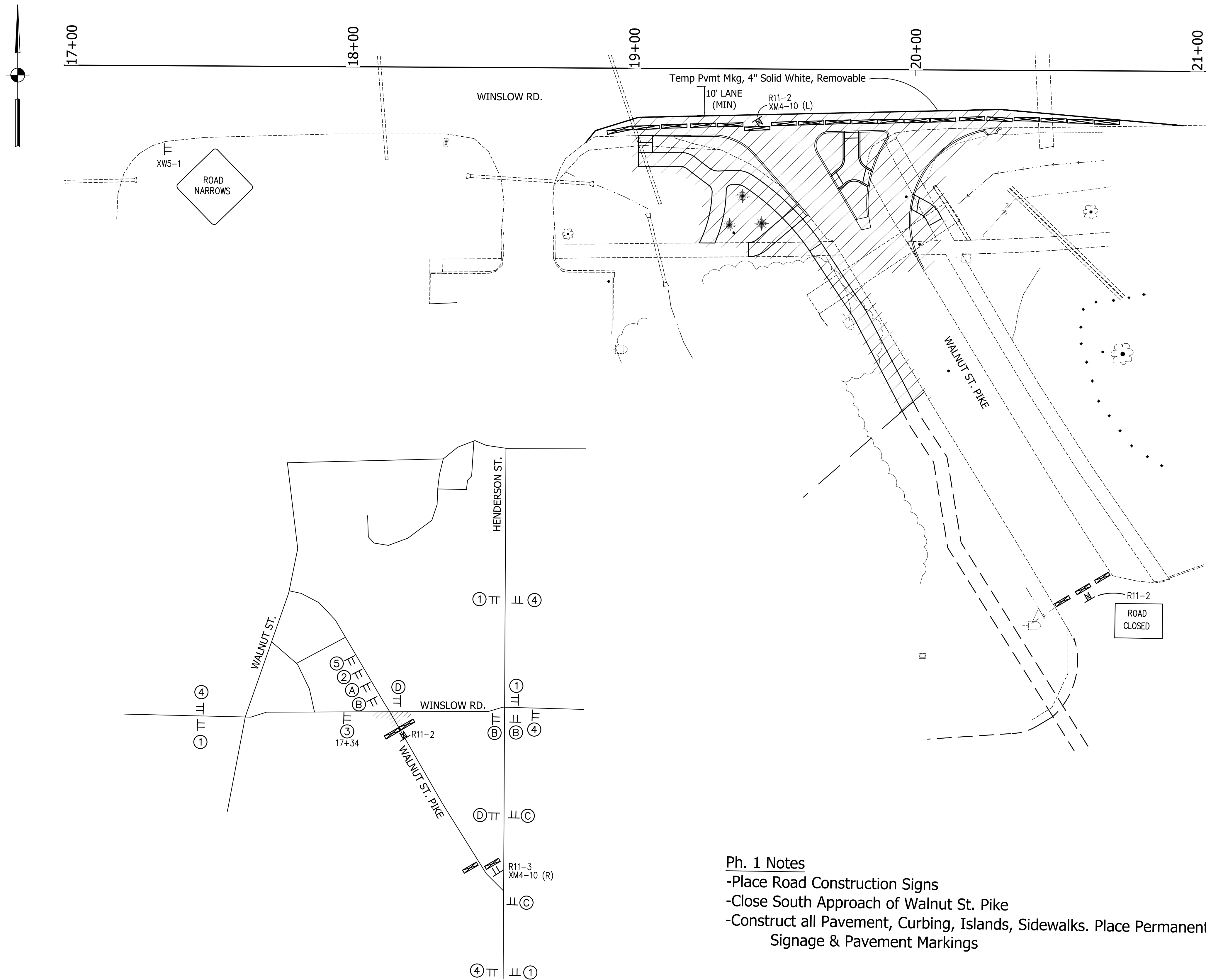
RECOMMENDED FOR APPROVAL	Mark A. Beck	DESIGN ENGINEER	6/22/17
DESIGNED:	M.B.	DRAWN:	T.B.
CHECKED:	M.M.	CHECKED:	M.B.

CITY OF BLOOMINGTON

PLAT No. 1

HORIZONTAL SCALE	BRIDGE FILE
1"=50'	
VERTICAL SCALE	DESIGNATION
1"=5'	
SURVEY BOOK	SHEETS
	4 of 27
CONTRACT	PROJECT

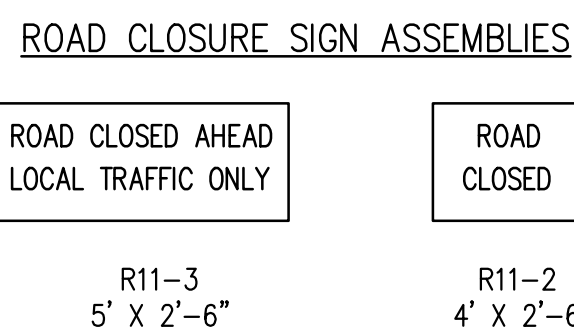
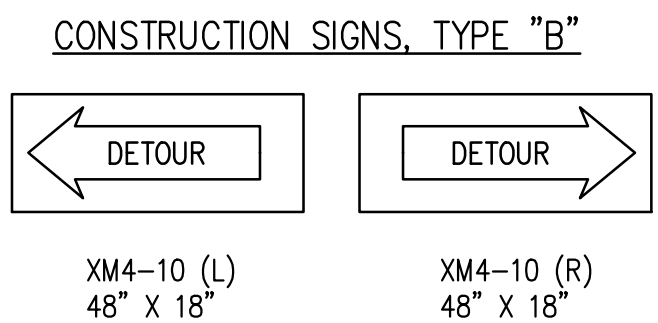
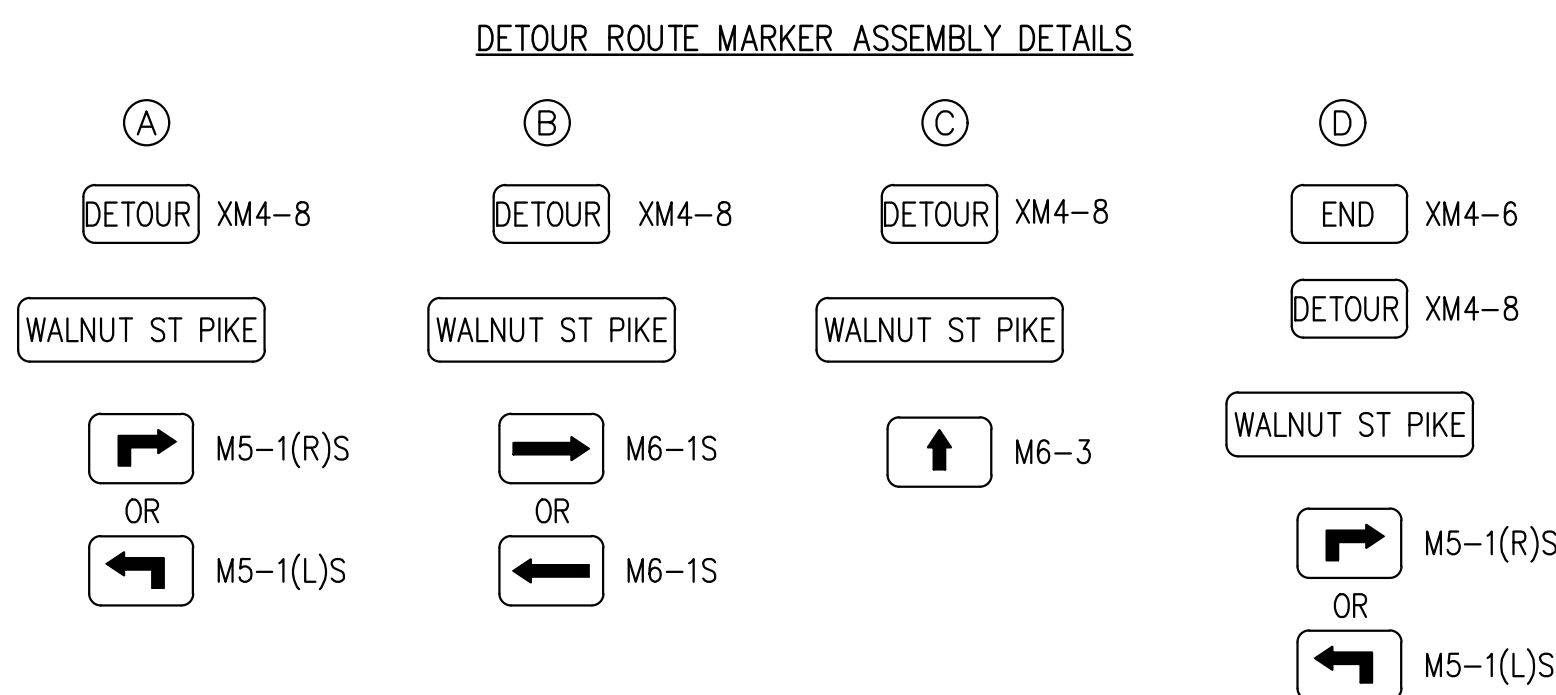
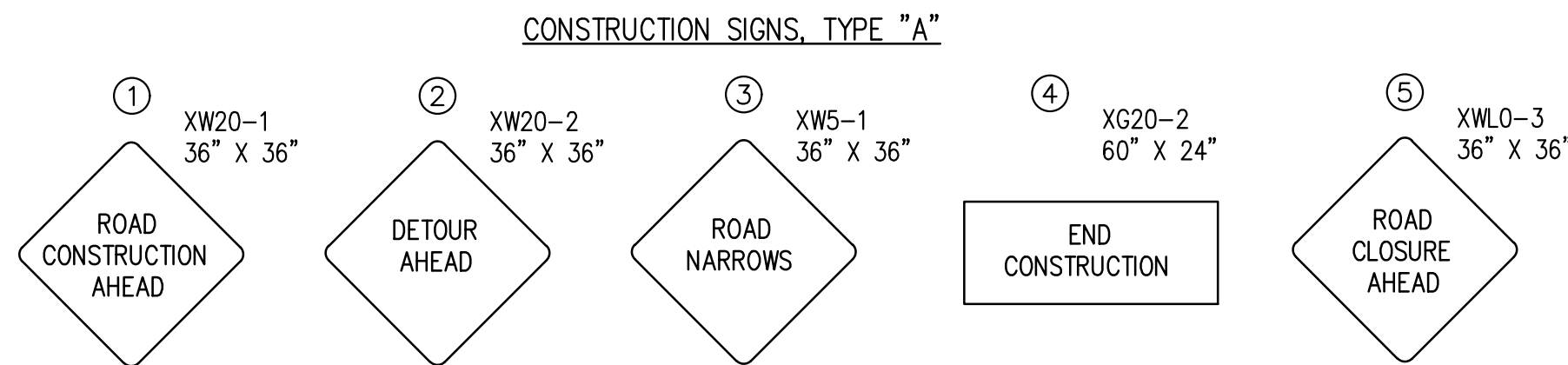
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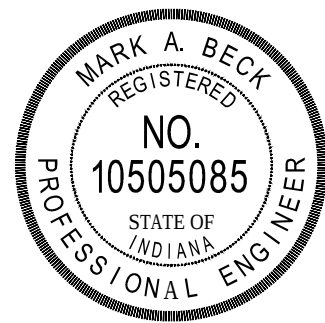
Ph. 1 Notes

- Place Road Construction Signs
- Close South Approach of Walnut St. Pike
- Construct all Pavement, Curbing, Islands, Sidewalks. Place Permanent Signage & Pavement Markings

LEGEND	
	CONSTRUCTION AREA
	ALTERNATE/DETOUR ROUTE
	TYPICAL CONSTRUCTION SIGN STANDARD
	ROAD CLOSURE SIGN ASSEMBLY
	BARRICADE, TYPE III-B
	CONSTRUCTION BARREL



NOTE: FOR SPACING OF DETOUR ROUTE MARKER ASSEMBLIES AND CONSTRUCTION SIGNING, SEE INDOT STANDARD DRAWING E 801-TCDT-01



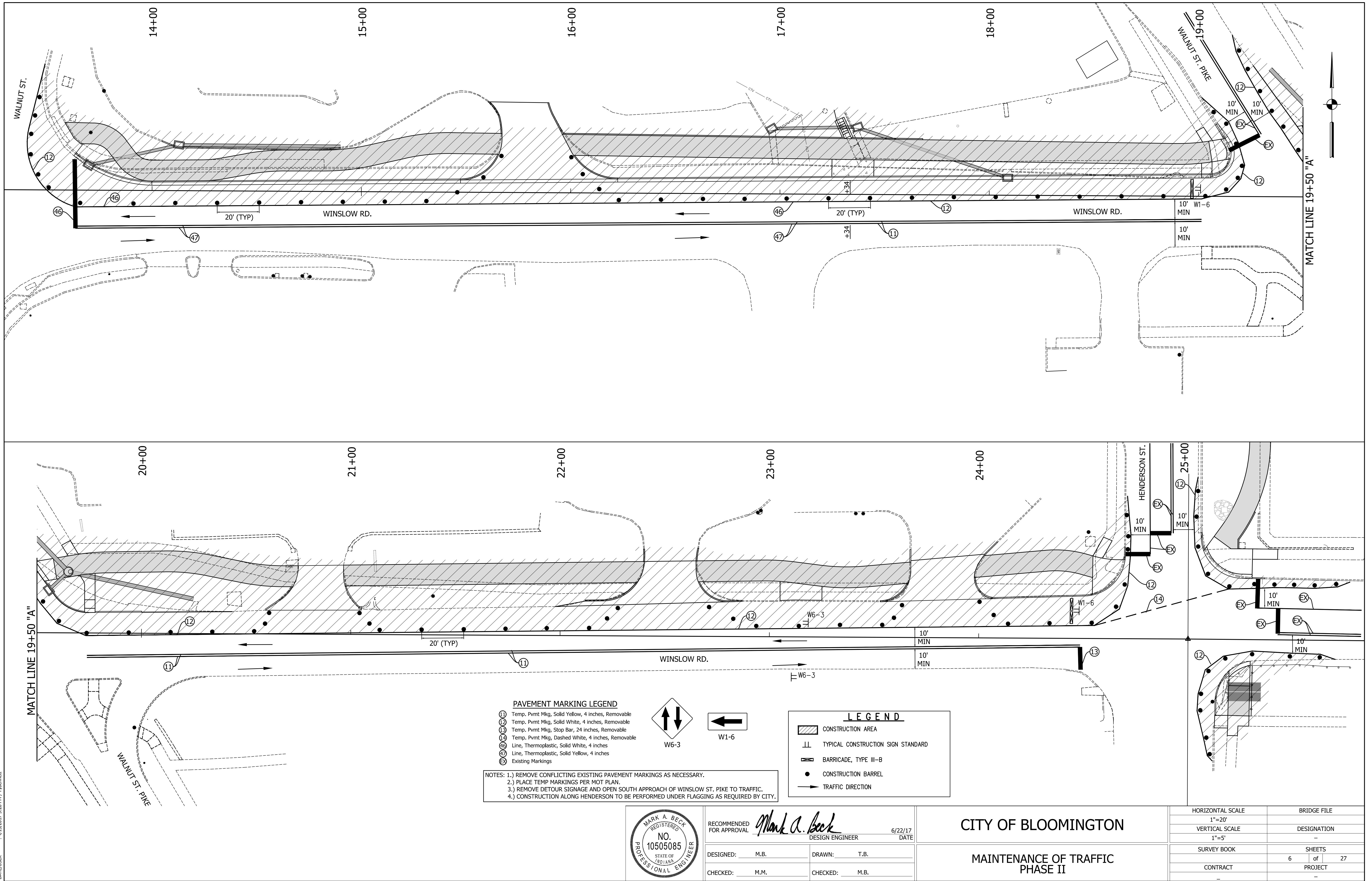
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DESIGNED:	M.B.	DRAWN:	T.B.	
CHECKED:	M.M.	CHECKED:	M.B.	

CITY OF BLOOMINGTON

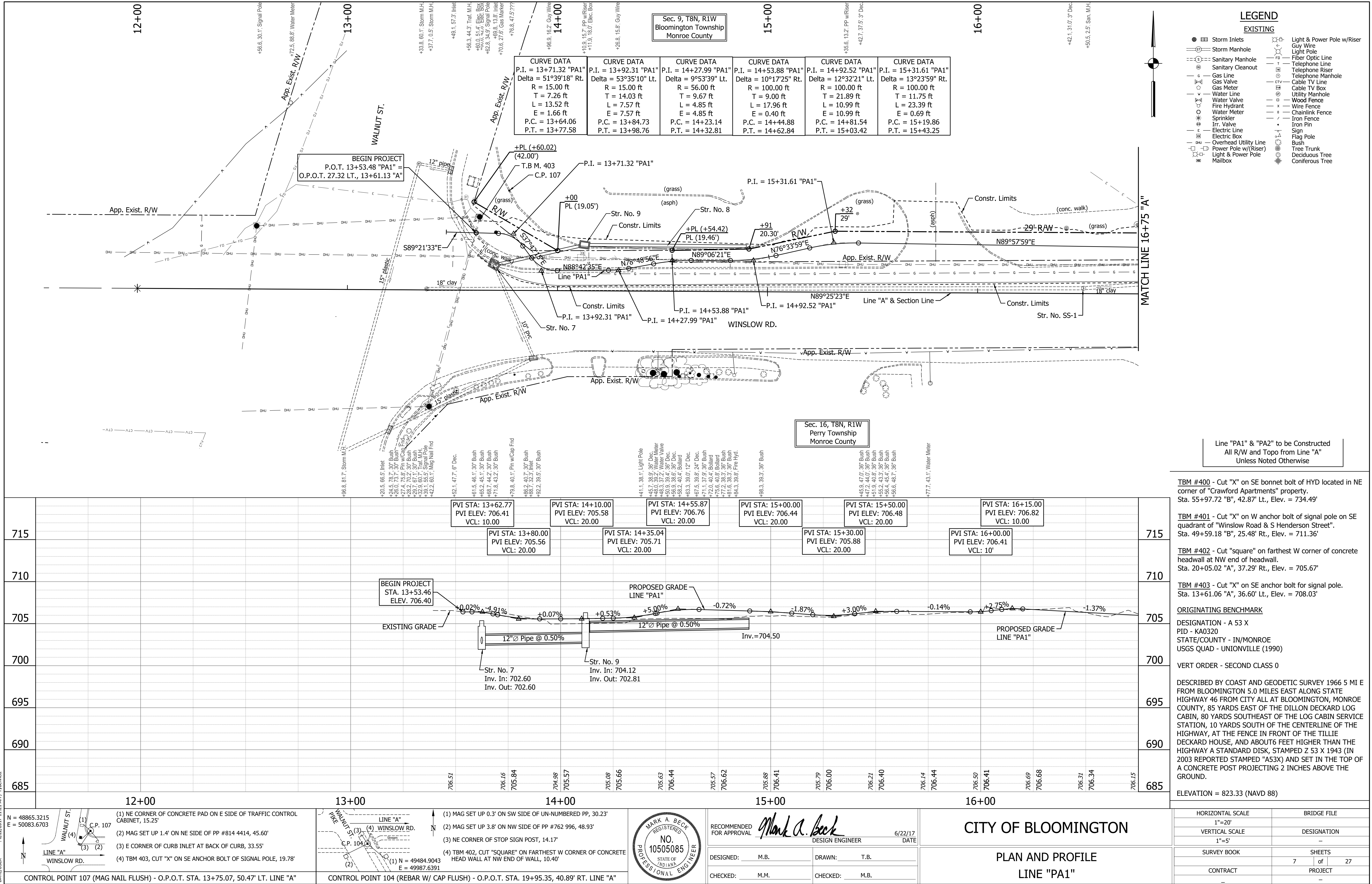
MAINTENANCE OF TRAFFIC
PHASE I

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
1"=5'	-
SURVEY BOOK	SHEETS
	5 of 27
CONTRACT	PROJECT
-	-

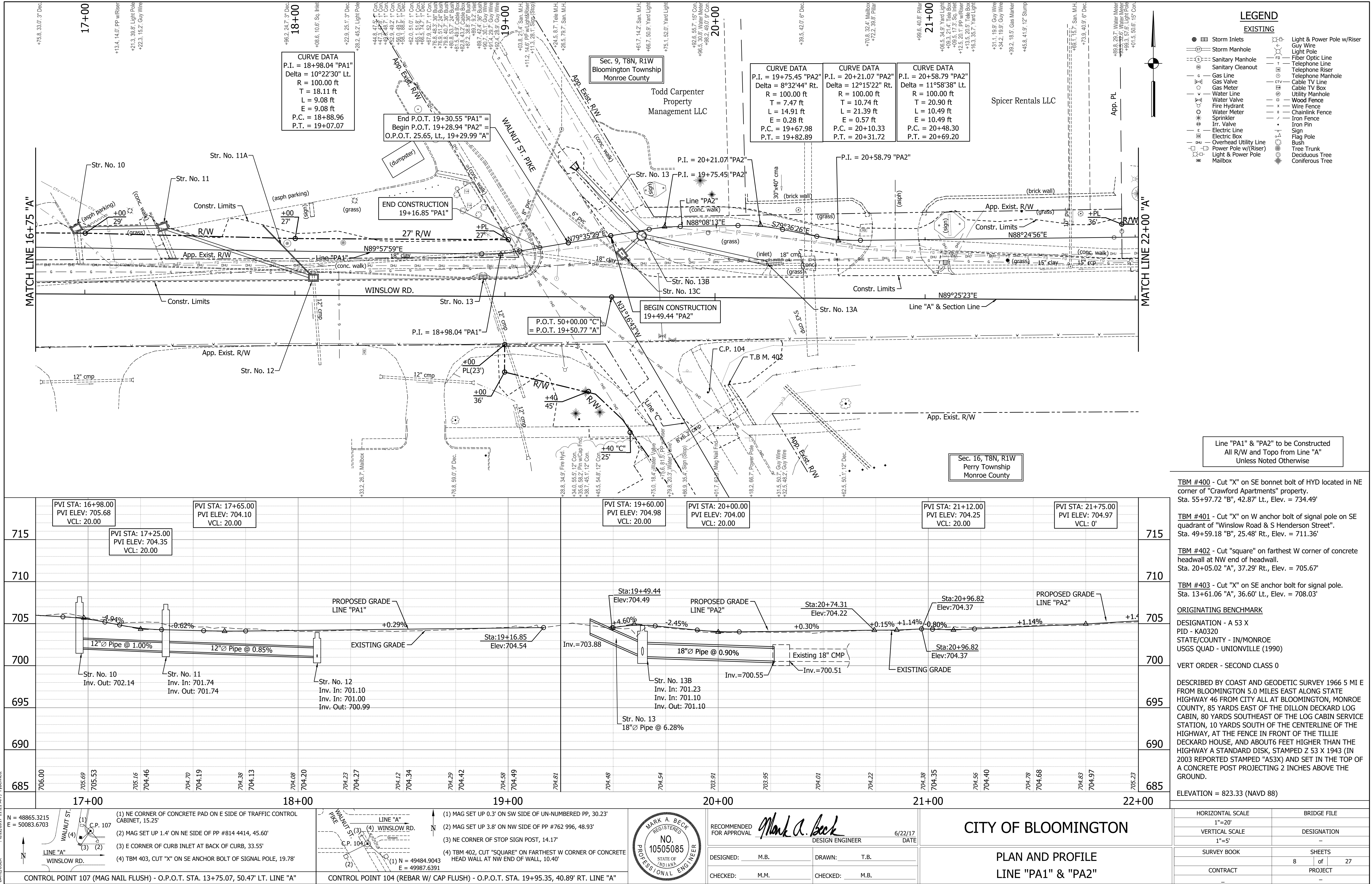
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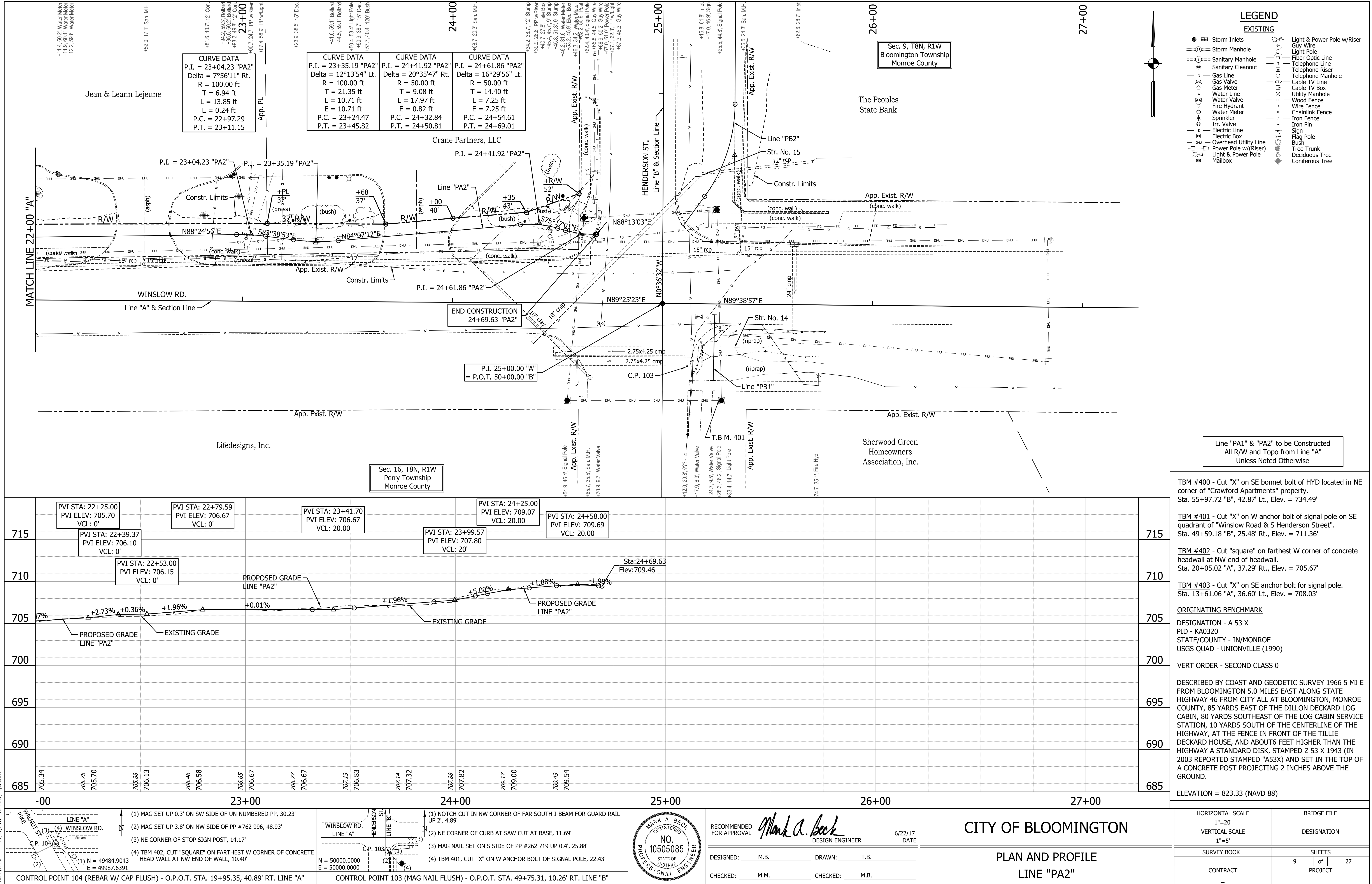
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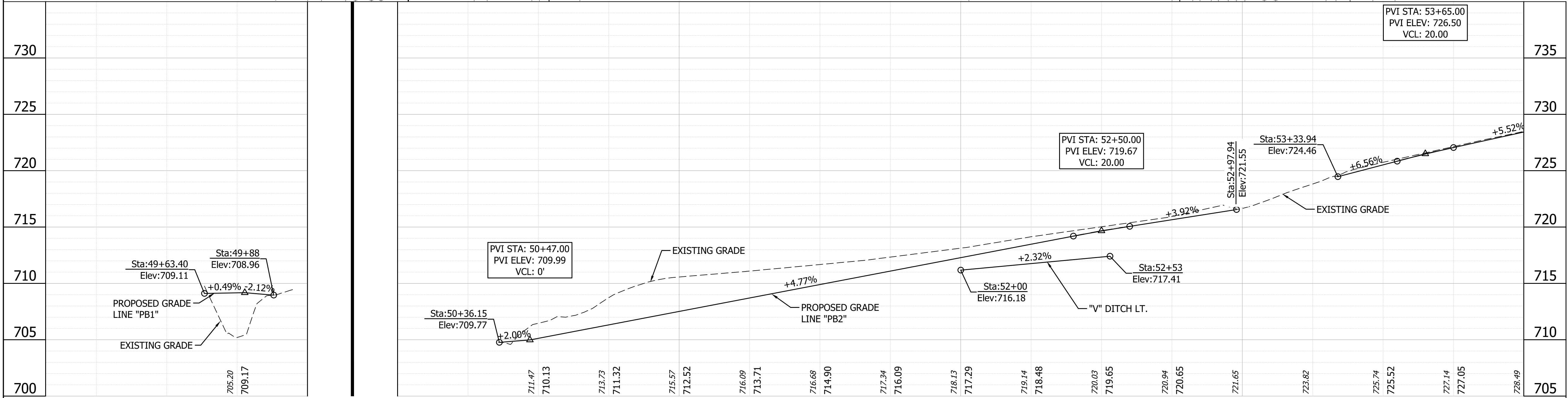
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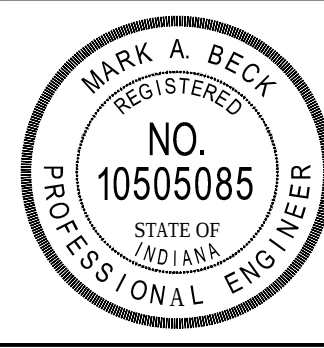


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FILE NAME : 3-24-2017 3:50 PM / Theonett



WINSLOW RD.
LINE "A"
HENDERSON ST.
LINE "B"
C.P. 103
N = 50000.0000
E = 50000.0000
(1) NOTCH CUT IN NW CORNER OF FAR SOUTH I-BEAM FOR GUARD RAIL
UP 2', 4.89'
(2) NE CORNER OF CURB AT SAW CUT AT BASE, 11.69'
(3) MAG NAIL SET ON S SIDE OF PP #262 719 UP 0.4', 25.88'
(4) TBM 401, CUT "X" ON W ANCHOR BOLT OF SIGNAL POLE, 22.43'

WINSLOW PLAZA
HENDERSON ST.
LINE "B"
C.P. 100
N = 50006.7331
E = 50619.6284
(1) BLOCK STORAGE UNIT, TAPE FROM SW CORNER WHERE CURB MEETS
STORAGE UNIT, 41.70'
(2) "WINSLOW PLAZA", TAPE FROM NW CORNER WHERE CURB MEETS
BUILDING, 47.98'
(3) CUT "X" ON W SIDE OF RIM OF WATER MANHOLE, 45.02'
(4) TBM 400, CUT "X" ON SE BONNET BOLT OF HYDRANT, 57.21'



RECOMMENDED FOR APPROVAL
DESIGNED: M.B.
CHECKED: M.M.
DRAWN: T.B.
CHECKED: M.B.
DESIGN ENGINEER
DATE 6/22/17

CITY OF BLOOMINGTON	
PLAN AND PROFILE LINE "PB1" & "PB2"	
HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
1"=5'	
SURVEY BOOK	SHEETS
10	of 27
CONTRACT	PROJECT

LEGEND

EXISTING

- Storm Inlets
- Sanitary Manhole
- Sanitary Cleanout
- Gas Line
- Gas Valve
- Gas Meter
- Water Line
- Water Valve
- Fire Hydrant
- Water Meter
- Sprinkler
- Irr. Valve
- Electric Line
- Electric Box
- Overhead Utility Line
- Power Pole w/(Riser)
- Light & Power Pole
- Mailbox
- Light & Power Pole w/Riser
- Guy Wire
- Light Pole
- Fiber Optic Line
- Telephone Line
- Telephone Riser
- Cable TV Line
- Cable TV Box
- Utility Manhole
- Wood Fence
- Wire Fence
- Chainlink Fence
- Iron Fence
- Iron Pin
- Sign
- Flag Pole
- Bush
- Tree Trunk
- Deciduous Tree
- Coniferous Tree

Line "PB1" & "PB2" to be Constructed
All R/W and Topo from Line "B"
Unless Noted Otherwise

TBM #400 - Cut "X" on SE bonnet bolt of HYD located in NE corner of "Crawford Apartments" property.
Sta. 55+97.72 "B", 42.87' Lt., Elev. = 734.49'

TBM #401 - Cut "X" on W anchor bolt of signal pole on SE quadrant of "Winslow Road & S Henderson Street".
Sta. 49+59.18 "B", 25.48' Rt., Elev. = 711.36'

TBM #402 - Cut "square" on farthest W corner of concrete headwall at NW end of headwall.
Sta. 20+05.02 "A", 37.29' Rt., Elev. = 705.67'

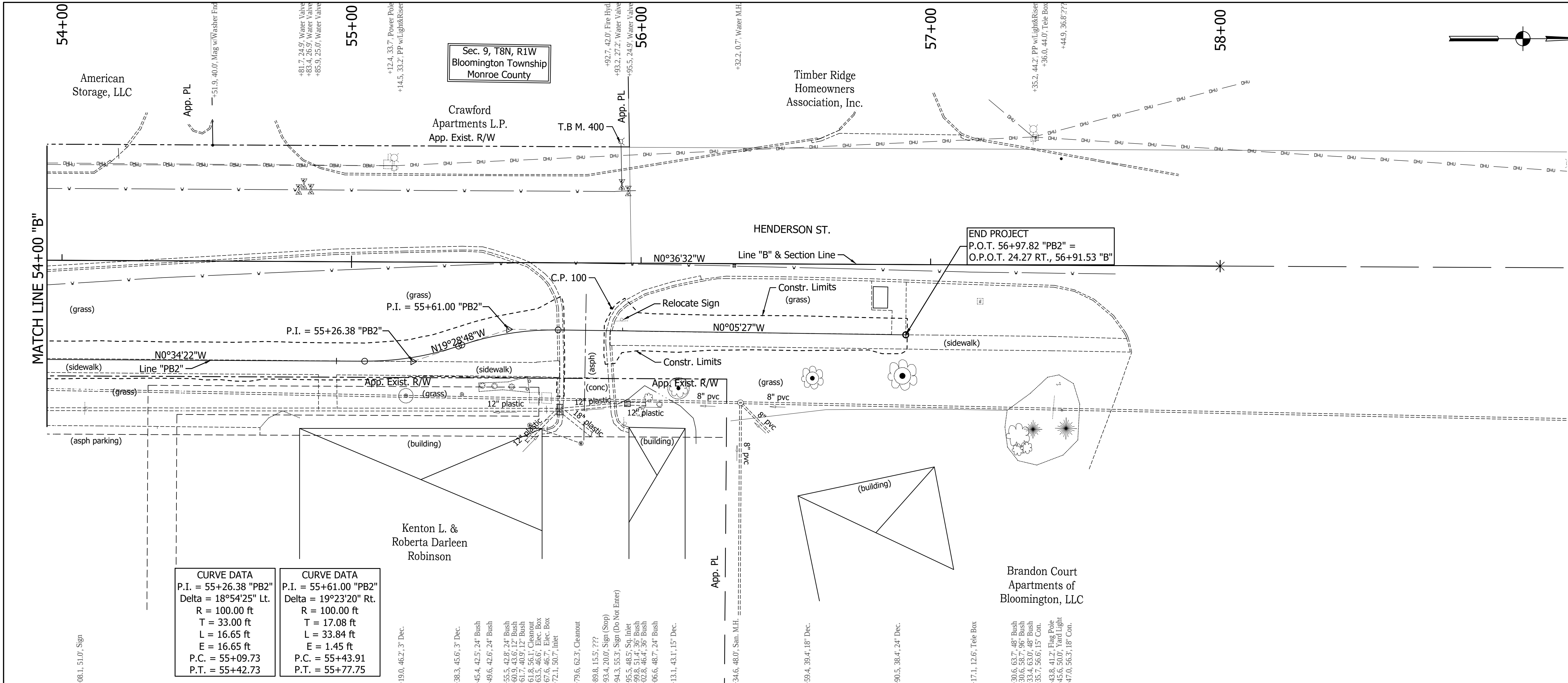
TBM #403 - Cut "X" on SE anchor bolt for signal pole.
Sta. 13+61.06 "A", 36.60' Lt., Elev. = 708.03'

ORIGINATING BENCHMARK
DESIGNATION - A 53 X
PID - KA0320
STATE/COUNTY - IN/MONROE
USGS QUAD - UNIONVILLE (1990)
VERT ORDER - SECOND CLASS 0

DESCRIBED BY COAST AND GEODETIC SURVEY 1966 5 MI E FROM BLOOMINGTON 5.0 MILES EAST ALONG STATE HIGHWAY 46 FROM CITY ALL AT BLOOMINGTON, MONROE COUNTY, 85 YARDS EAST OF THE DILLON DECKARD LOG CABIN, 80 YARDS SOUTHEAST OF THE LOG CABIN SERVICE STATION, 10 YARDS SOUTH OF THE CENTERLINE OF THE HIGHWAY, AT THE FENCE IN FRONT OF THE TILLIE DECKARD HOUSE, AND ABOUT 6 FEET HIGHER THAN THE HIGHWAY A STANDARD DISK, STAMPED Z 53 X 1943 (IN 2003 REPORTED STAMPED "A53X") AND SET IN THE TOP OF A CONCRETE POST PROJECTING 2 INCHES ABOVE THE GROUND.

ELEVATION = 823.33 (NAVD 88)

DIRECTORY PATH : R:\Active\Bloomington, City Of\Winslow & Henderson\CAD\PLANS
FILE NAME : 15472310 3:50 PM / Thernett
DATE: 6/22/17



LEGEND

EXISTING

- Storm Inlets
- Storm Manhole
- Sanitary Manhole
- Sanitary Cleanout
- Gas Line
- Gas Valve
- Gas Meter
- Water Line
- Water Valve
- Fire Hydrant
- Water Meter
- Sprinkler
- Irr. Valve
- Electric Line
- Electric Box
- Overhead Utility Line
- Power Pole w/(Riser)
- Light & Power Pole
- Mailbox
- Light & Power Pole w/Riser
- Light Pole
- Fiber Optic Line
- Telephone Line
- Telephone Riser
- Cable TV Line
- Cable TV Box
- Utility Manhole
- Wood Fence
- Wire Fence
- Chainlink Fence
- Iron Fence
- Iron Pin
- Sign
- Flag Pole
- Bush
- Tree Trunk
- Deciduous Tree
- Coniferous Tree

Line "PB1" & "PB2" to be Constructed
All R/W and Topo from Line "B"
Unless Noted Otherwise

TBM #400 - Cut "X" on SE bonnet bolt of HYD located in NE corner of "Crawford Apartments" property.
Sta. 55+97.72 "B", 42.87' Rt., Elev. = 734.49'

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ORIGINATING BENCHMARK

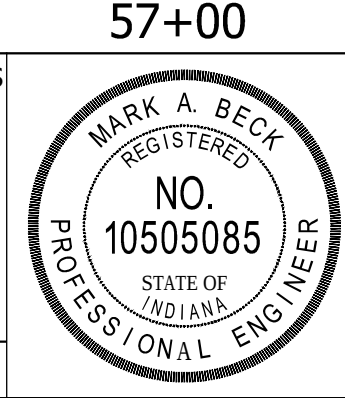
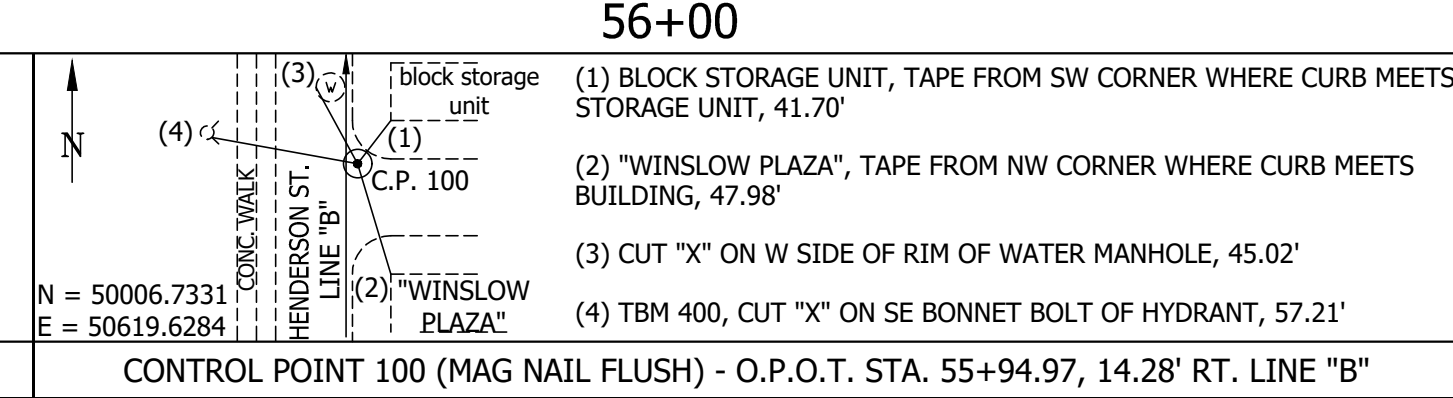
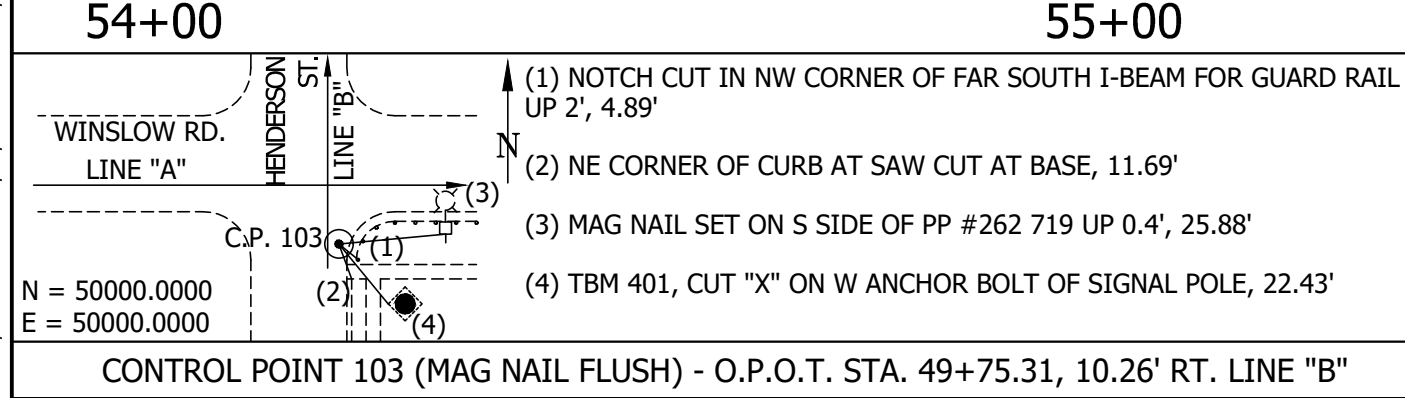
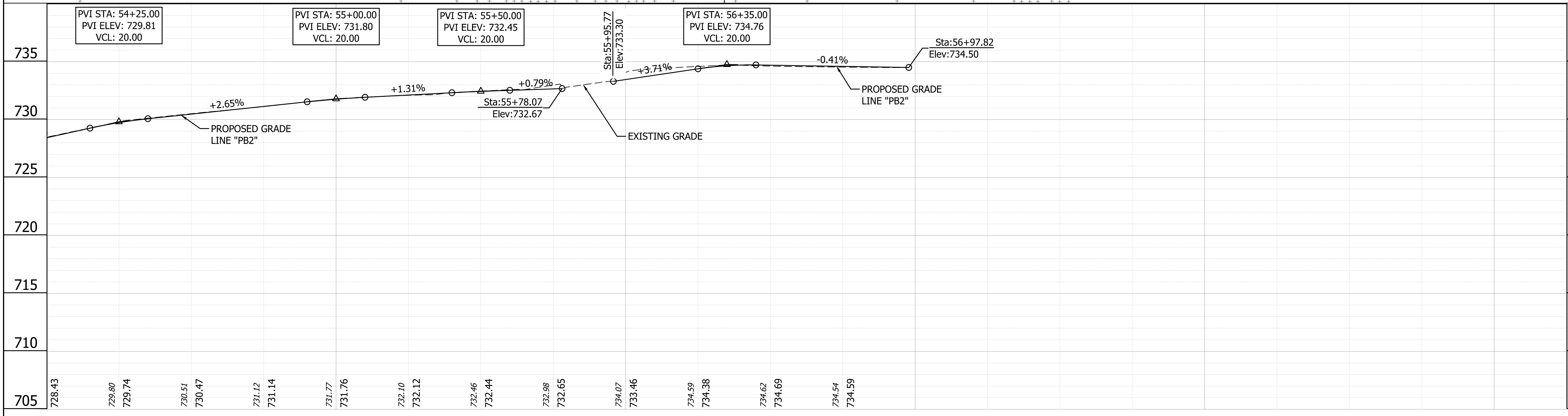
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ELEVATION = 823.33 (NAVD 88)

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
1"=5'	-
SURVEY BOOK	SHEETS
	11 of 27
CONTRACT	PROJECT
-	-

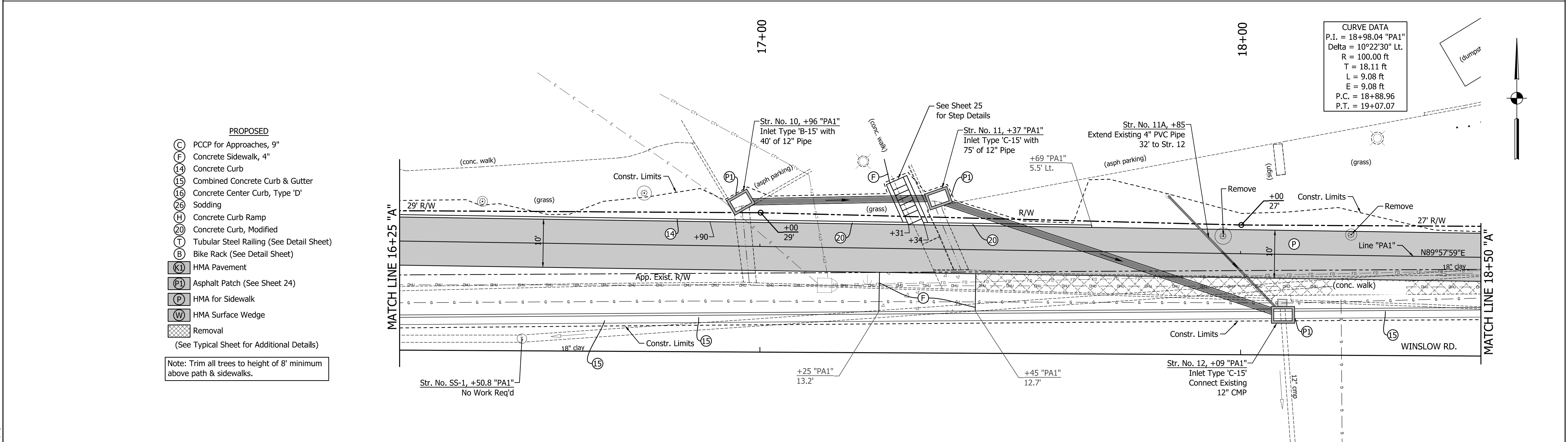
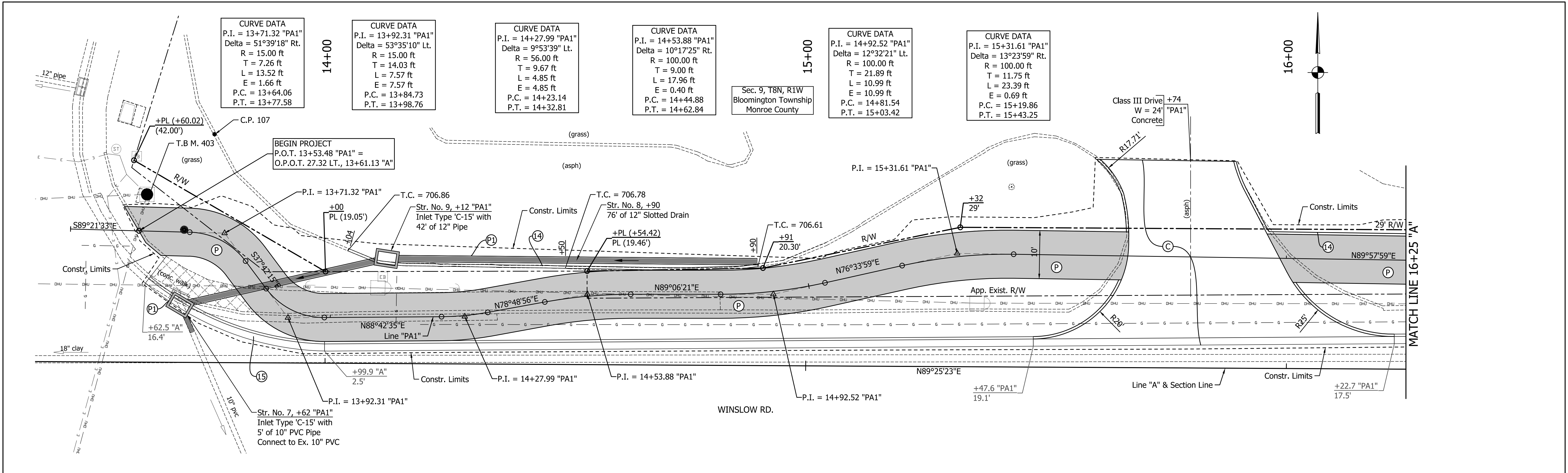


RECOMMENDED FOR APPROVAL	Mark A. Beck	DESIGN ENGINEER	6/22/17
DESIGNED:	M.B.	DRAWN:	T.B.
CHECKED:	M.M.	CHECKED:	M.B.

CITY OF BLOOMINGTON

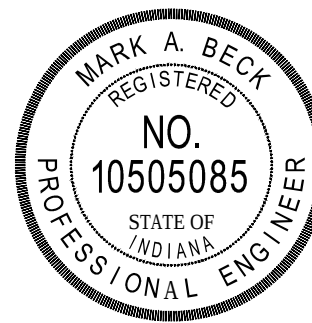
PLAN AND PROFILE
LINE "PB2"

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DATE: 05/08/2017 11:12 AM / Jhesenett



- PROPOSED**
- (C) PCCP for Approaches, 9"
 - (F) Concrete Sidewalk, 4"
 - (14) Concrete Curb
 - (15) Combined Concrete Curb & Gutter
 - (16) Concrete Center Curb, Type 'D'
 - (26) Sodding
 - (H) Concrete Curb Ramp
 - (20) Concrete Curb, Modified
 - (T) Tubular Steel Railing (See Detail Sheet)
 - (B) Bike Rack (See Detail Sheet)
 - (K1) HMA Pavement
 - (P1) Asphalt Patch (See Sheet 24)
 - (W) HMA Surface Wedge
 - (X) Removal
- (See Typical Sheet for Additional Details)

Note: Trim all trees to height of 8' minimum above path & sidewalks.



RECOMMENDED FOR APPROVAL *Mark A. Beck* DESIGN ENGINEER 6/22/17 DATE

DESIGNED: M.B. DRAWN: T.B.

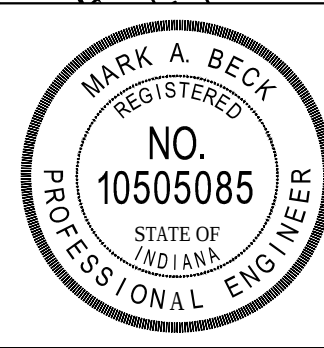
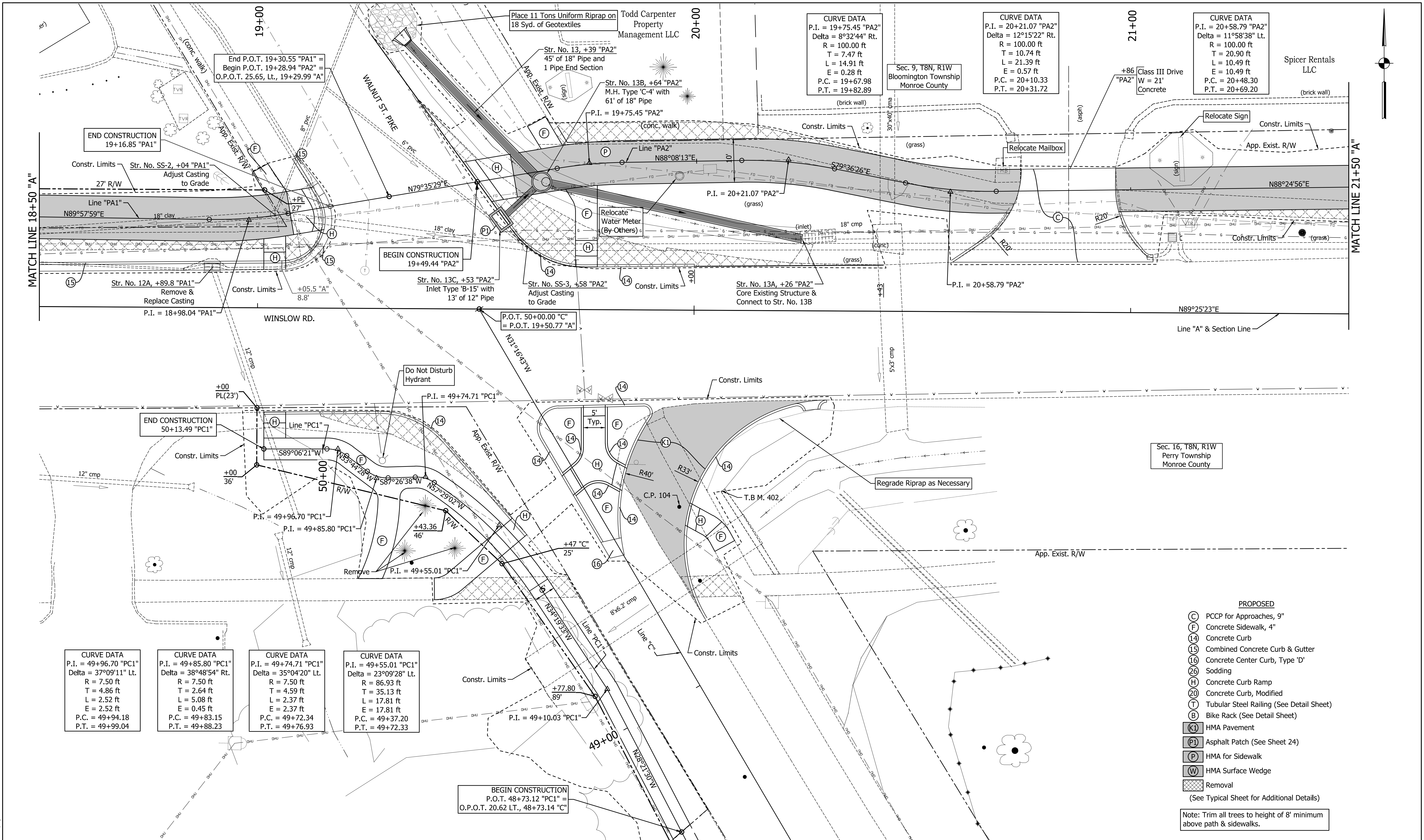
CHECKED: M.M. CHECKED: M.B.

CITY OF BLOOMINGTON

CONSTRUCTION DETAILS

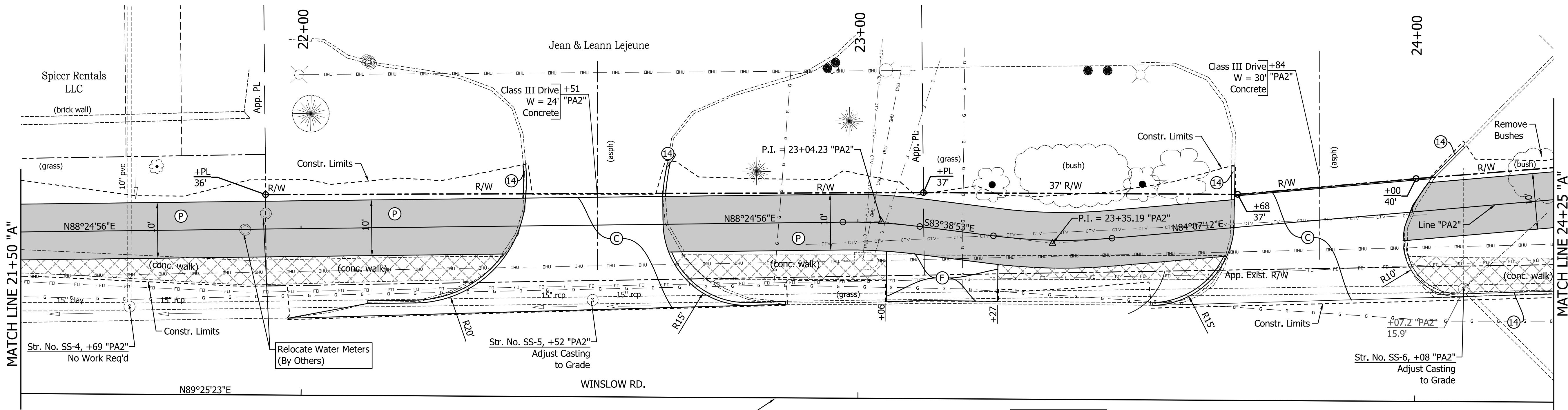
HORIZONTAL SCALE	BRIDGE FILE
1"=10'	
VERTICAL SCALE	DESIGNATION
1"=5'	
SURVEY BOOK	SHEETS
	13 of 27
CONTRACT	PROJECT

DIRECTORY PATH : E:\Active\Bloomington, City Of\Winslow & Henderson\CAD\PLANS
FILENAME : CONSTR.DETAILS.dwg
DATE: 05/08/2017 11:12 AM / 11/08/2017



RECOMMENDED FOR APPROVAL	Mark A. Beck	DESIGN ENGINEER	6/22/17
DESIGNED:	M.B.	DRAWN:	T.B.
CHECKED:	M.M.	CHECKED:	M.B.

CITY OF BLOOMINGTON	HORIZONTAL SCALE		BRIDGE FILE	
	1"=10'			
	VERTICAL SCALE		DESIGNATION	
	1"=5'		-	
CONSTRUCTION DETAILS	SURVEY BOOK		SHEETS	
			14	of 27
	CONTRACT		PROJECT	
	-		-	



Line "A" & Section Line

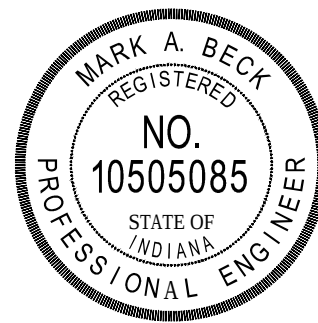
CURVE DATA
P.I. = 23+04.23 "PA2"
Delta = 7°56'11" Rt.
R = 100.00 ft
T = 6.94 ft
L = 13.85 ft
E = 0.24 ft
P.C. = 22+97.29
P.T. = 23+11.15

CURVE DATA
P.I. = 23+35.19 "PA2"
Delta = 12°13'54" Lt.
R = 100.00 ft
T = 21.35 ft
L = 10.71 ft
E = 10.71 ft
P.C. = 23+24.47
P.T. = 23+45.82

Sec. 16, T8N, R1W
Perry Township
Monroe County

- PROPOSED**
- (C) PCCP for Approaches, 9"
 - (F) Concrete Sidewalk, 4"
 - (14) Concrete Curb
 - (15) Combined Concrete Curb & Gutter
 - (16) Concrete Center Curb, Type 'D'
 - (26) Sodding
 - (H) Concrete Curb Ramp
 - (20) Concrete Curb, Modified
 - (T) Tubular Steel Railing (See Detail Sheet)
 - (B) Bike Rack (See Detail Sheet)
 - (K1) HMA Pavement
 - (P1) Asphalt Patch (See Sheet 24)
 - (P) HMA for Sidewalk
 - (W) HMA Surface Wedge
 - (X) Removal
- (See Typical Sheet for Additional Details)

Note: Trim all trees to height of 8' minimum above path & sidewalks.



RECOMMENDED FOR APPROVAL *Mark A. Beck* 6/22/17
DESIGN ENGINEER DATE

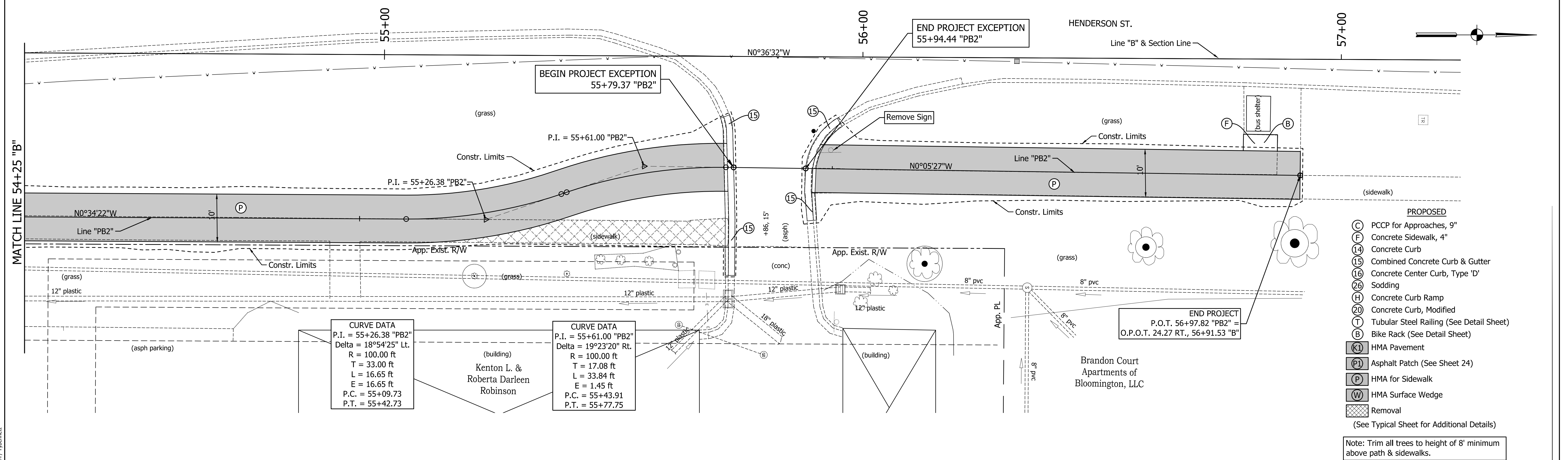
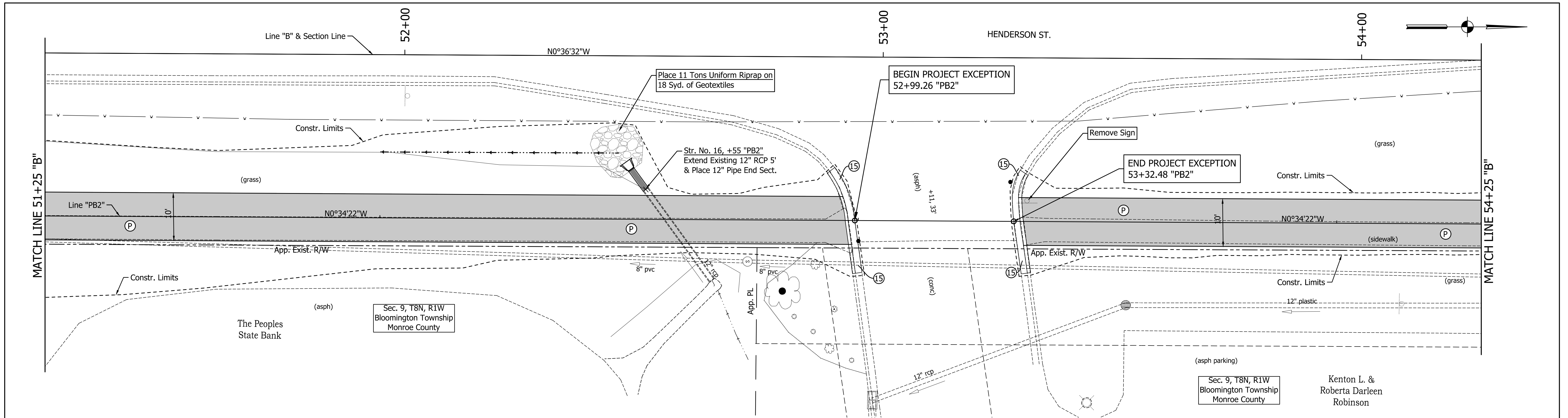
DESIGNED: M.B. DRAWN: T.B.
CHECKED: M.M. CHECKED: M.B.

CITY OF BLOOMINGTON

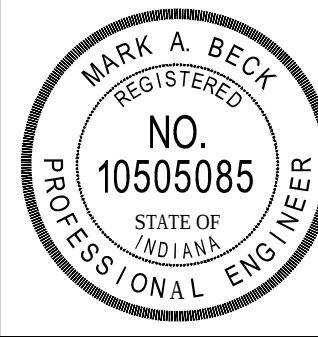
CONSTRUCTION DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	
VERTICAL SCALE	DESIGNATION
1"=5'	
SURVEY BOOK	SHEETS
	15 of 27
CONTRACT	PROJECT

DIRECTORY PATH : F:\Active\Bloomington, City Of\Winslow & Henderson\CAD\PLANS
FILENAME : CONSTR.DETAILS.dwg
DATE: 05/20/2017 11:12 AM / J:\jennett



- PROPOSED
- (C) PCCP for Approaches, 9"
 - (F) Concrete Sidewalk, 4"
 - (14) Concrete Curb
 - (15) Combined Concrete Curb & Gutter
 - (16) Concrete Center Curb, Type 'D'
 - (26) Sodding
 - (H) Concrete Curb Ramp
 - (20) Concrete Curb, Modified
 - (T) Tubular Steel Railing (See Detail Sheet)
 - (B) Bike Rack (See Detail Sheet)
 - (K) HMA Pavement
 - (P) Asphalt Patch (See Sheet 24)
 - (P) HMA for Sidewalk
 - (W) HMA Surface Wedge
 - (X) Removal
- (See Typical Sheet for Additional Details)
- Note: Trim all trees to height of 8' minimum above path & sidewalks.



RECOMMENDED FOR APPROVAL *Mark A. Beck* DESIGN ENGINEER 6/22/17 DATE

DESIGNED: M.B. DRAWN: T.B.

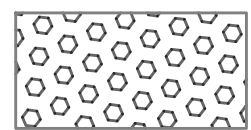
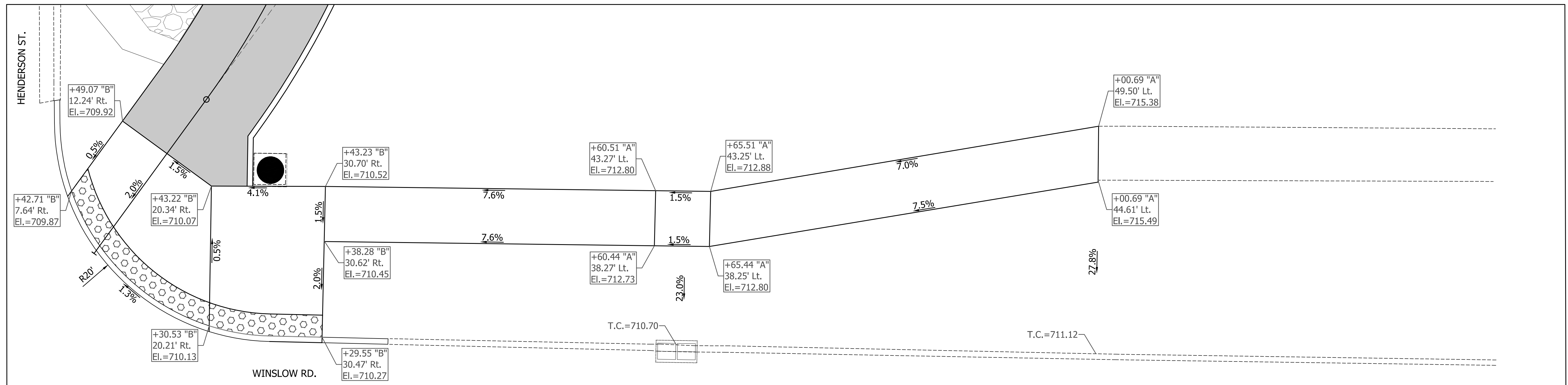
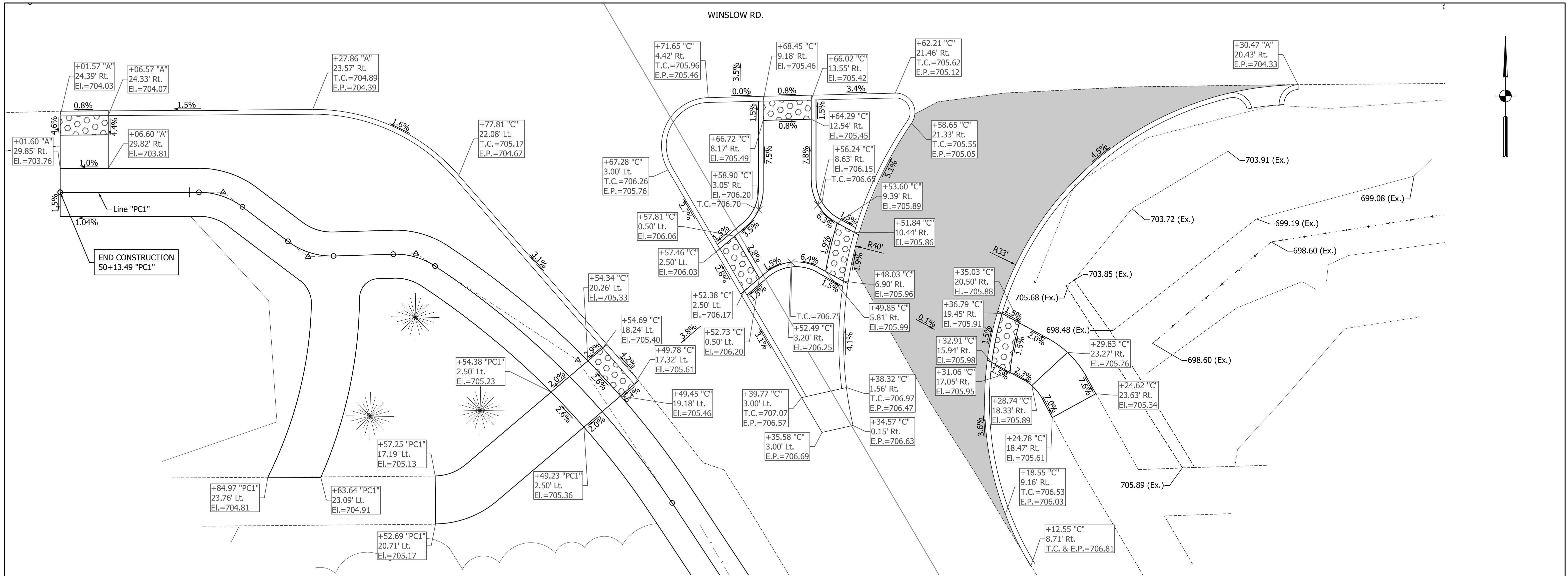
CHECKED: M.M. CHECKED: M.B.

CITY OF BLOOMINGTON

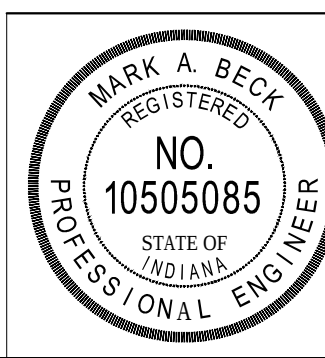
CONSTRUCTION DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1"=10'	
VERTICAL SCALE	DESIGNATION
1"=5'	-
SURVEY BOOK	SHEETS
	17 of 27
CONTRACT	PROJECT
-	-

DIRECTORY PATH : F:\Active\Bloomington, City Of\Winslow & Henderson\CAD\PLANS
FILENAME : SPOT ELEV.dwg
DATE: 6/22/2017 11:35 AM / T:\bennett



Detectable Warning Surface (2' Width Typical)

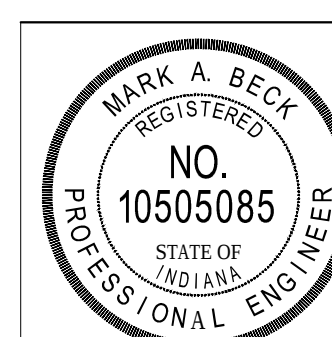
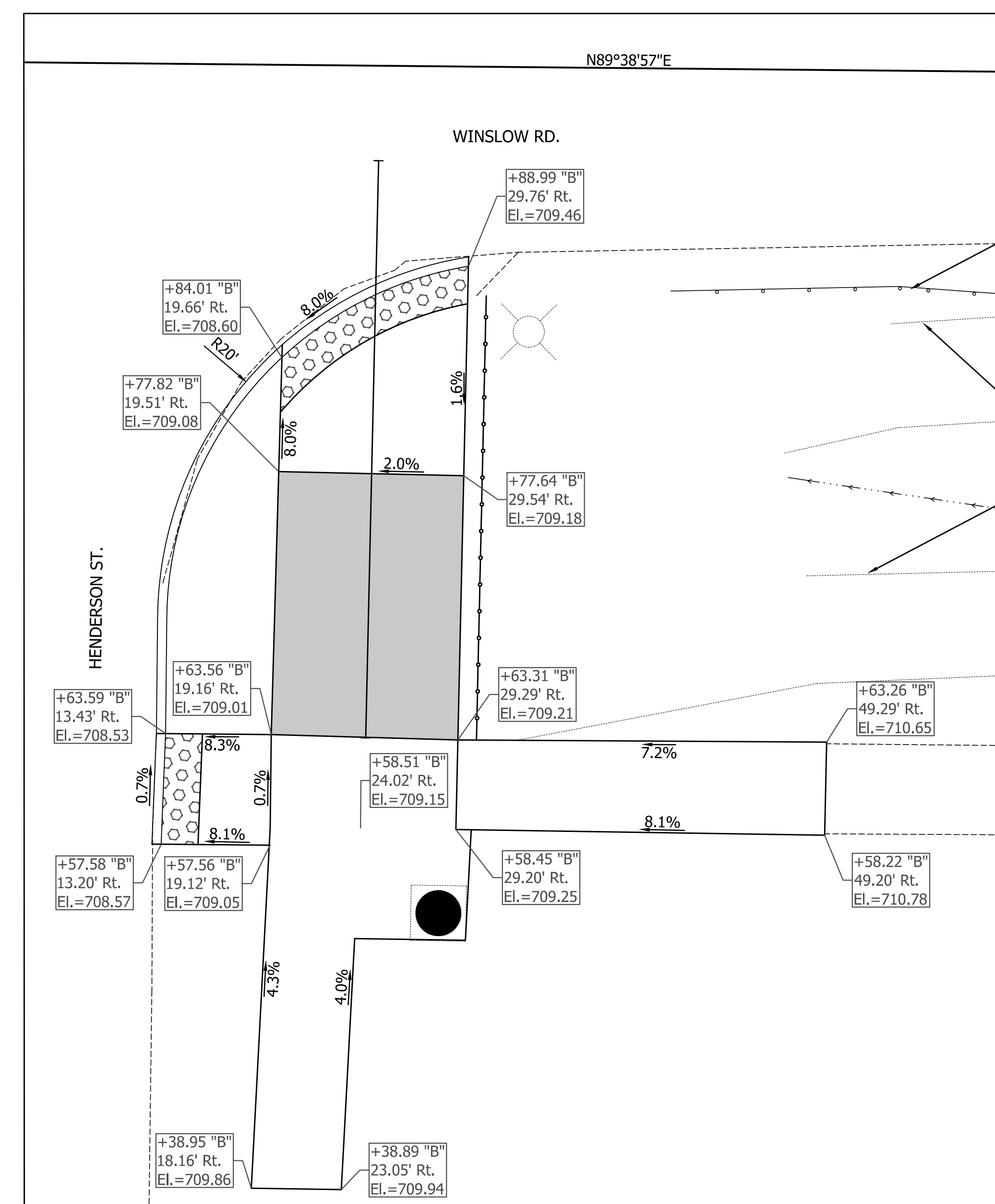


RECOMMENDED FOR APPROVAL	<i>Mark A. Beck</i>	DESIGN ENGINEER	6/22/17
DESIGNED:	M.B.	DRAWN:	T.B.
CHECKED:	M.M.	CHECKED:	M.B.

CITY OF BLOOMINGTON

SPOT ELEVATIONS

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	DESIGNATION
VERTICAL SCALE	—
1"=5'	SURVEY BOOK
—	SHEETS
—	18 of 27
CONTRACT	PROJECT
—	—

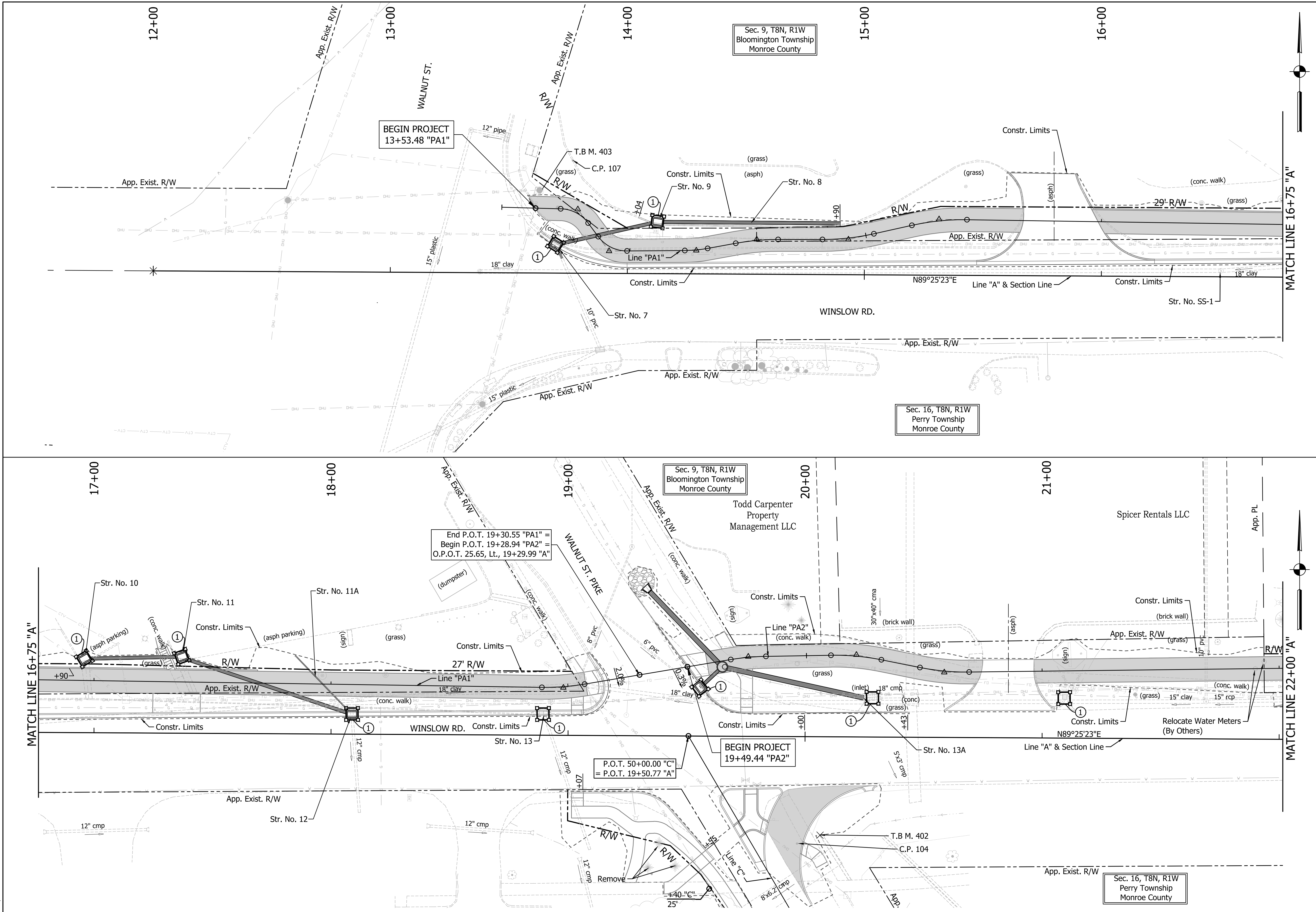


RECOMMENDED FOR APPROVAL	<i>Mark A. Beck</i>		6/22/11
	DESIGN ENGINEER		DATE
DESIGNED:	M.B.	DRAWN:	T.B.
CHECKED:	M.M.	CHECKED:	M.B.

SPOT ELEVATIONS

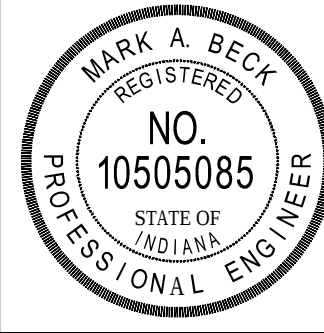
	HORIZONTAL SCALE	BRIDGE FILE		
	1"=5'			
	VERTICAL SCALE	DESIGNATION		
	1"=5'	—		
	SURVEY BOOK	SHEETS		
		19	of	27
	CONTRACT	PROJECT		

DIRECTORY PATH : F:\Active\Bloomington, City Of\Winslow & Henderson\CAD\PLANS
FILENAME : ECLINE.dwg
DATE: 05/23/2017 2:23 PM / Theinett



LEGEND	
EXISTING	
	Storm Inlets
	Storm Manhole
	Sanitary Manhole
	Sanitary Cleanout
	Gas Line
	Gas Valve
	Gas Meter
	Water Line
	Water Valve
	Fire Hydrant
	Water Meter
	Sprinkler
	Irr. Valve
	Electric Line
	Electric Box
	Overhead Utility Line
	Power Pole w/(Riser)
	Light & Power Pole
	Mailbox
	Light & Power Pole w/Riser
	Guy Wire
	Light Pole
	Fiber Optic Line
	Telephone Line
	Telephone Riser
	Telephone Manhole
	Cable TV Line
	Cable TV Box
	Utility Manhole
	Wood Fence
	Wire Fence
	Chainlink Fence
	Iron Fence
	Iron Pin
	Sign
	Flag Pole
	Bush
	Tree Trunk
	Deciduous Tree
	Coniferous Tree

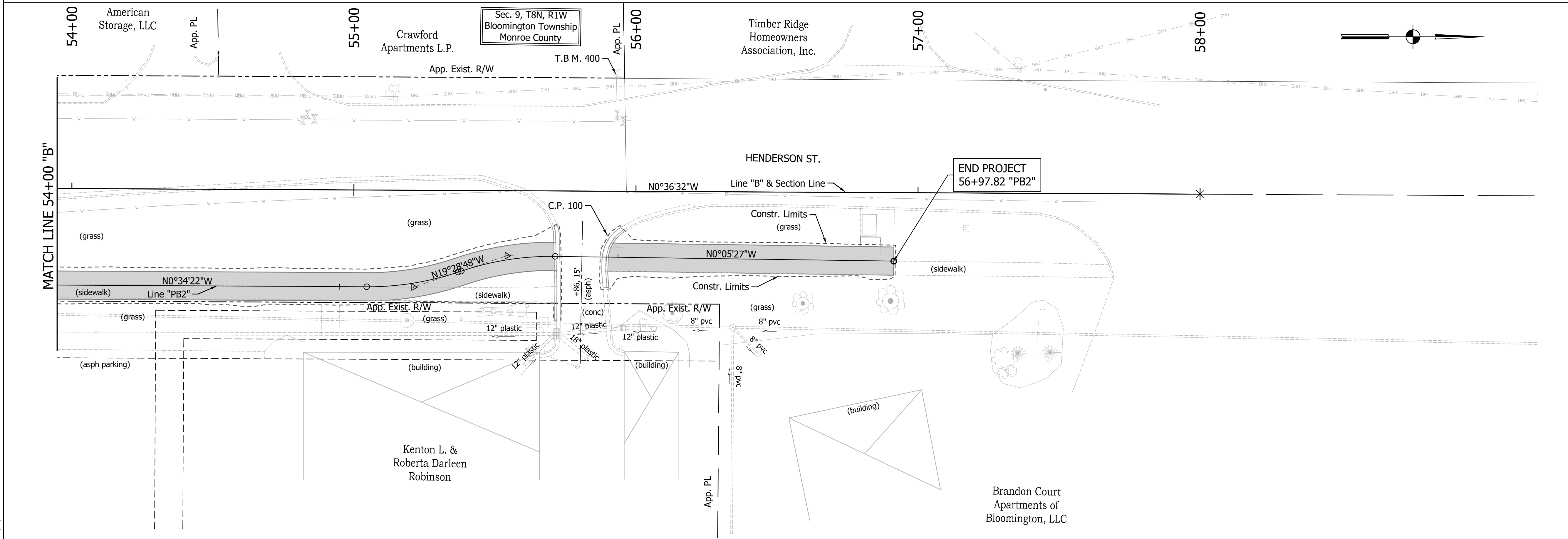
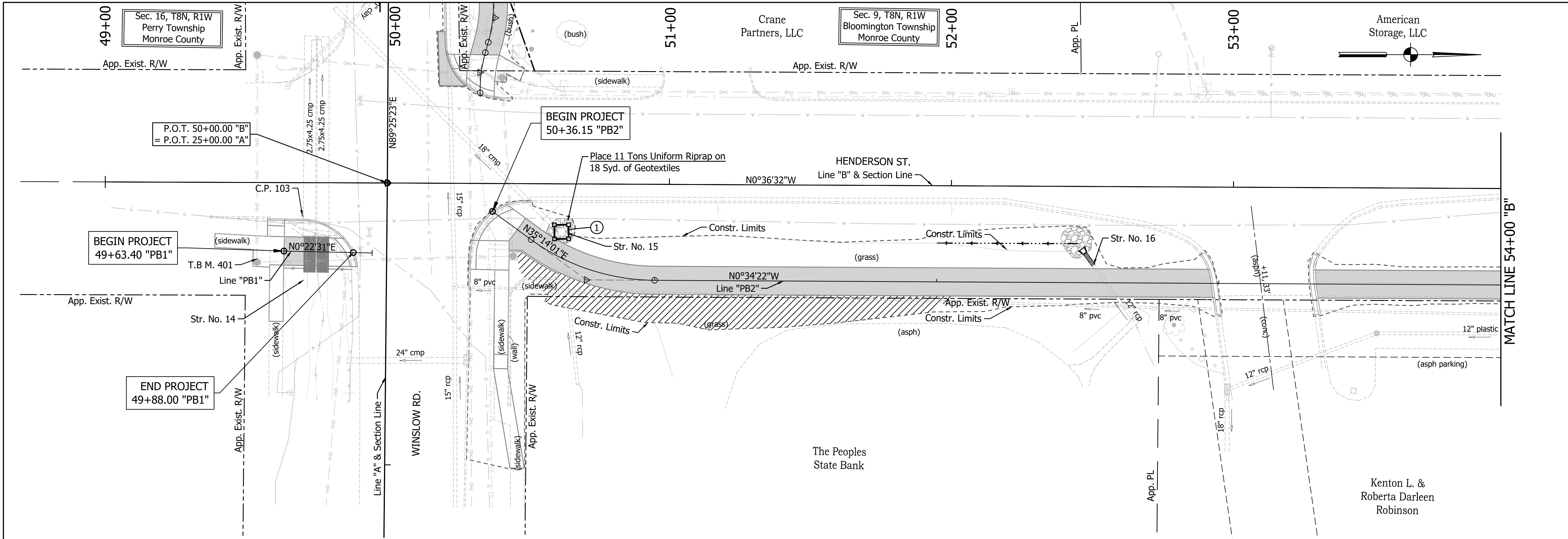
EROSION CONTROL	
	SILT FENCE
	TEMPORARY INLET PROTECTION
	EROSION CONTROL BLANKET



RECOMMENDED FOR APPROVAL	<i>Mark A. Beck</i>	DESIGN ENGINEER	6/22/17	DATE
DESIGNED:	M.B.	DRAWN:	T.B.	
CHECKED:	M.M.	CHECKED:	M.B.	

CITY OF BLOOMINGTON	
EROSION CONTROL LINE "PA1" & "PA2"	

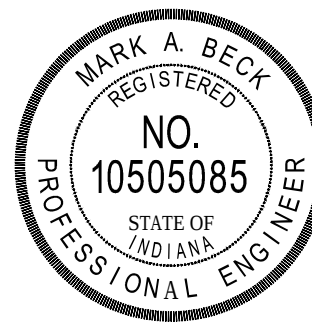
HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
1"=5'	
SURVEY BOOK	SHEETS
	20 of 27
CONTRACT	PROJECT



LEGEND	
EXISTING	
	Storm Inlets
	Storm Manhole
	Sanitary Manhole
	Sanitary Cleanout
	Gas Line
	Gas Valve
	Gas Meter
	Water Line
	Water Valve
	Fire Hydrant
	Water Meter
	Sprinkler
	Irr. Valve
	Electric Line
	Electric Box
	Overhead Utility Line
	Power Pole w/(Riser)
	Light & Power Pole
	Mailbox
	Light & Power Pole w/Riser
	Guy Wire
	Fiber Optic Line
	Telephone Line
	Telephone Riser
	Cable TV Line
	Cable TV Box
	Utility Manhole
	Wood Fence
	Wire Fence
	Chainlink Fence
	Iron Fence
	Iron Pin
	Sign
	Flag Pole
	Bush
	Tree Trunk
	Deciduous Tree
	Coniferous Tree

EROSION CONTROL	
	SILT FENCE
	TEMPORARY INLET PROTECTION
	EROSION CONTROL BLANKET

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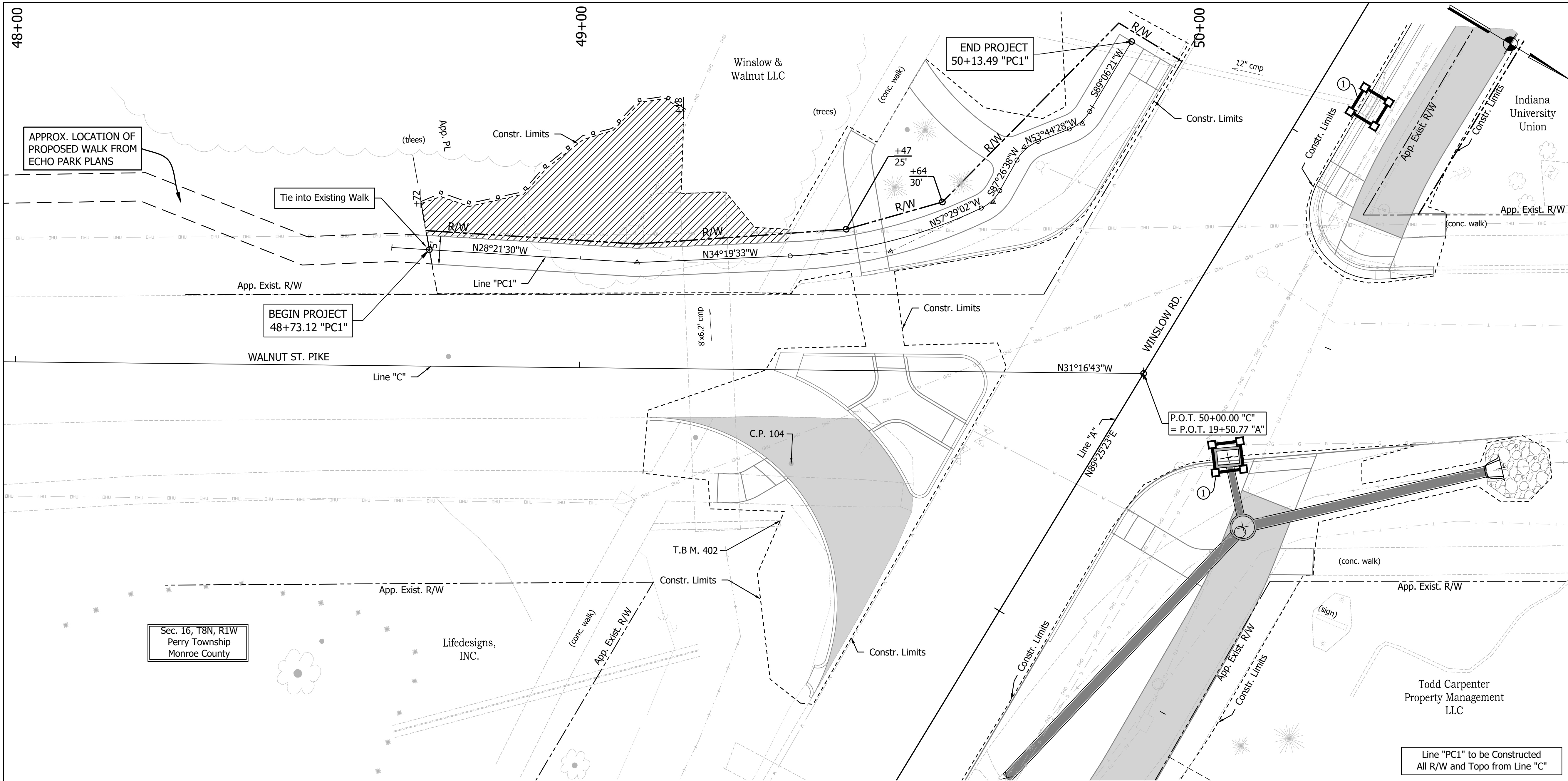


RECOMMENDED FOR APPROVAL		DESIGN ENGINEER	6/22/17
DESIGNED:	M.B.	DRAWN:	T.B.
CHECKED:	M.M.	CHECKED:	M.B.

CITY OF BLOOMINGTON

EROSION CONTROL
LINE "PB1" & "PB2"

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
1"=5'	-
SURVEY BOOK	SHEETS
22	of 27
CONTRACT	PROJECT
-	-

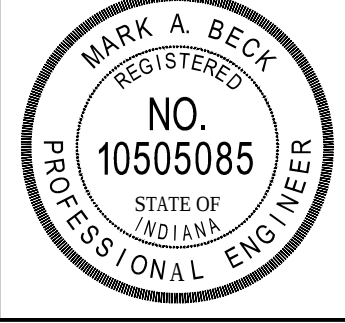
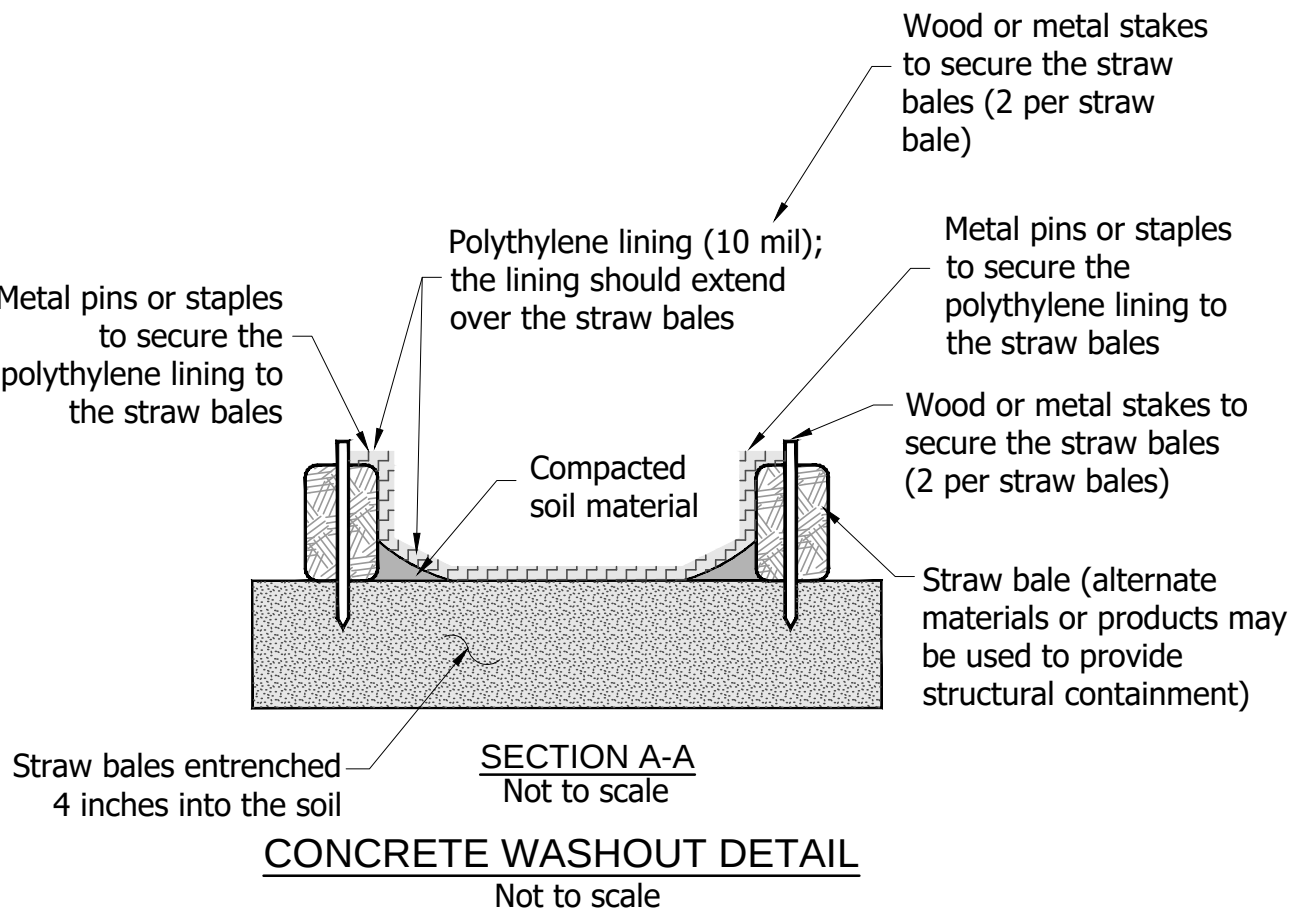
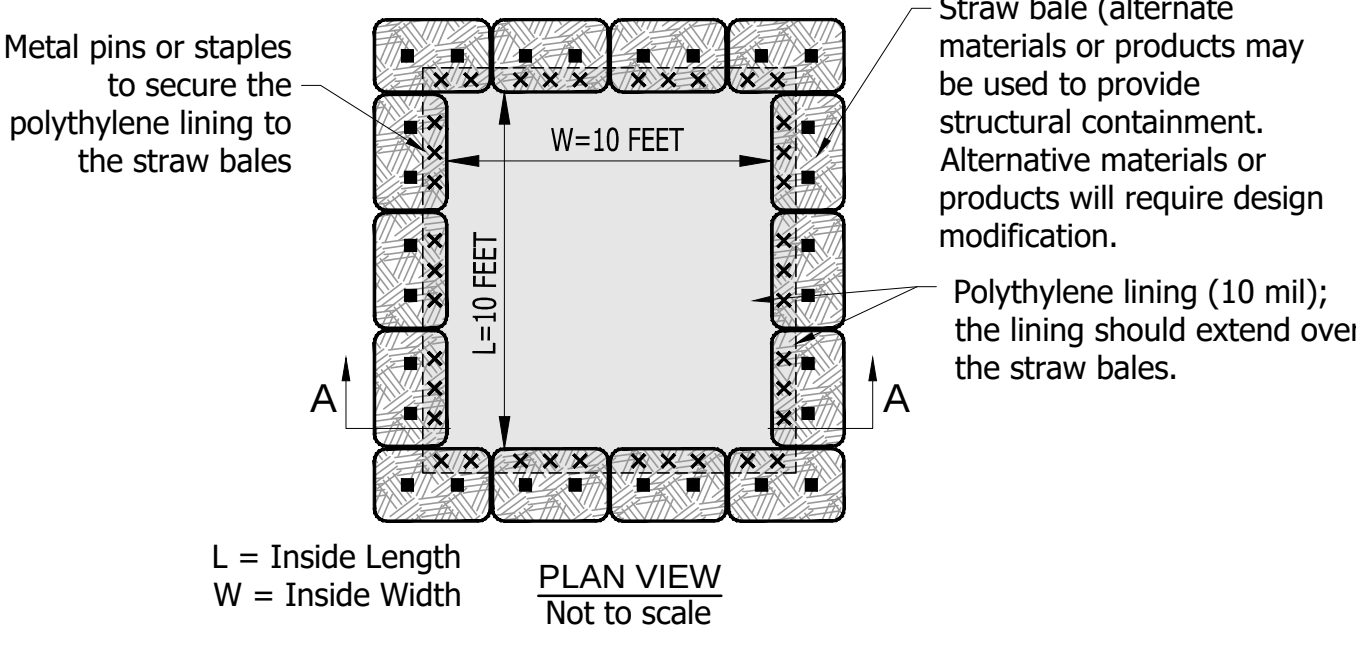


LEGEND
EXISTING
 Storm Inlets
 Storm Manhole
 Sanitary Manhole
 Sanitary Cleanout
 Gas Line
 Gas Valve
 Gas Meter
 Water Line
 Water Valve
 Fire Hydrant
 Water Meter
 Sprinkler
 Irr. Valve
 Electric Line
 Electric Box
 Overhead Utility Line
 Power Pole w/(Riser)
 Light & Power Pole
 Mailbox
 Light & Power Pole w/Riser
 Guy Wire
 Light Pole
 Fiber Optic Line
 Telephone Line
 Telephone Riser
 Telephone Manhole
 Cable TV Line
 Cable TV Box
 Utility Manhole
 Wood Fence
 Wire Fence
 Chainlink Fence
 Iron Fence
 Iron Pin
 Sign
 Flag Pole
 Bush
 Tree Trunk
 Deciduous Tree
 Coniferous Tree

EROSION CONTROL
 SILT FENCE
 TEMPORARY INLET PROTECTION
 EROSION CONTROL BLANKET

EROSION CONTROL TABLE OF QUANTITIES

LOCATION	TEMPORARY SILT FENCE FT	TEMP. INLET PROTECTION EA.	CONTROL MEASURE				CONSTRUCTION ENTRANCE			EROSION CONTROL BLANKET SYS	TEMP. SEEDING	
			#	TEMP. CHECK DAM RIPRAP TON	TEMP. FILTER STONE TON	TEMP. GOETEXT SYS	NO. 2 STONE TON	NO. 53 STONE TON	TEMP. GOETEXT SYS		TEMP. MULCH TON	TEMP. SEED LBS
48+72 to 49+18 RT "PC1"	54											
48+72 to 49+40 "PC1"										89		
50+36 to 52+00 "PB2"										165		
STRUCTURES		11										
TOTALS	54	11								254		



RECOMMENDED FOR APPROVAL *Mark A. Beck* DESIGN ENGINEER 6/22/17 DATE
DESIGNED: M.B. DRAWN: T.B.
CHECKED: M.M. CHECKED: M.B.

CITY OF BLOOMINGTON
EROSION CONTROL
LINE "PC1"

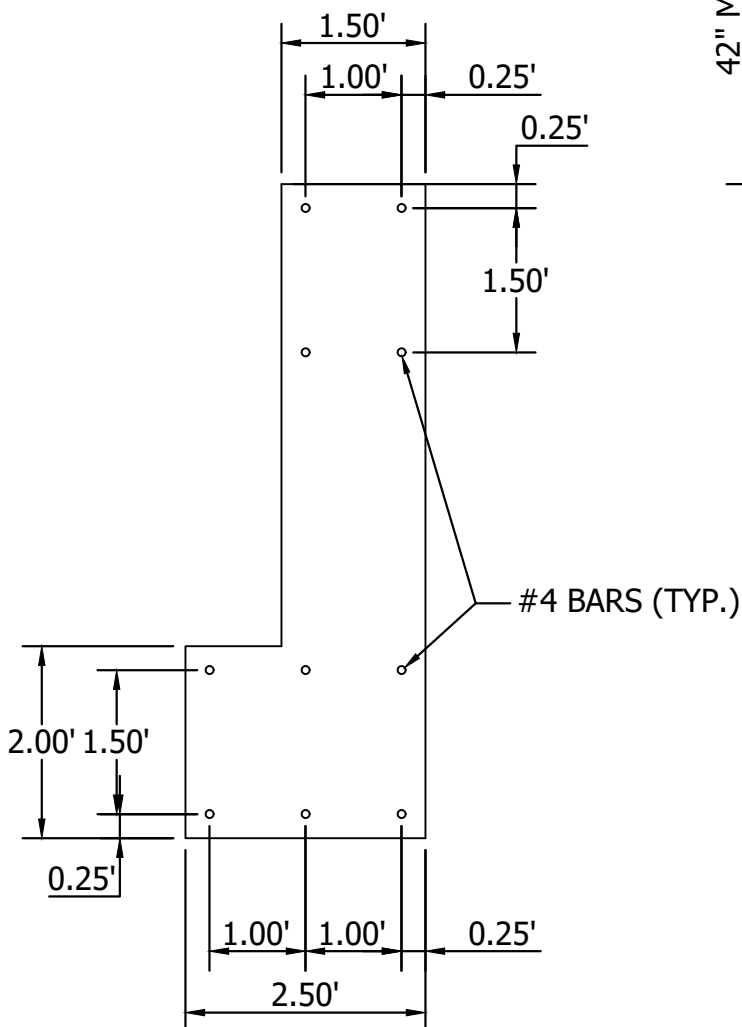
HORIZONTAL SCALE	BRIDGE FILE
1"=10'	DESIGNATION
VERTICAL SCALE	1"=5'
SURVEY BOOK	SHEETS
23	of 27
CONTRACT	PROJECT

T

TUBULAR STEEL PEDESTRIAN/BICYCLE SAFETY RAILING

SCALE: 1" = 2'
STA. 49+64 "PB-1" TO STA. 49+86 "PB-1" RT.

FIELD ADJUST MEASUREMENTS TO FIT SITE ELEVATIONS AND SITE CONDITIONS

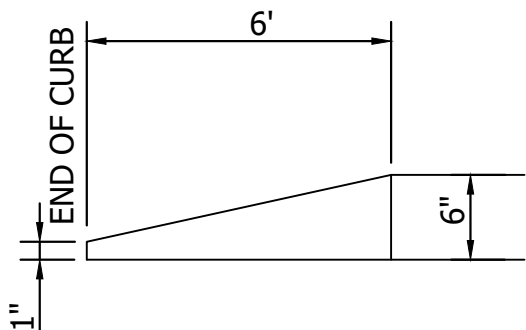


HEADWALL DETAIL STR. 14

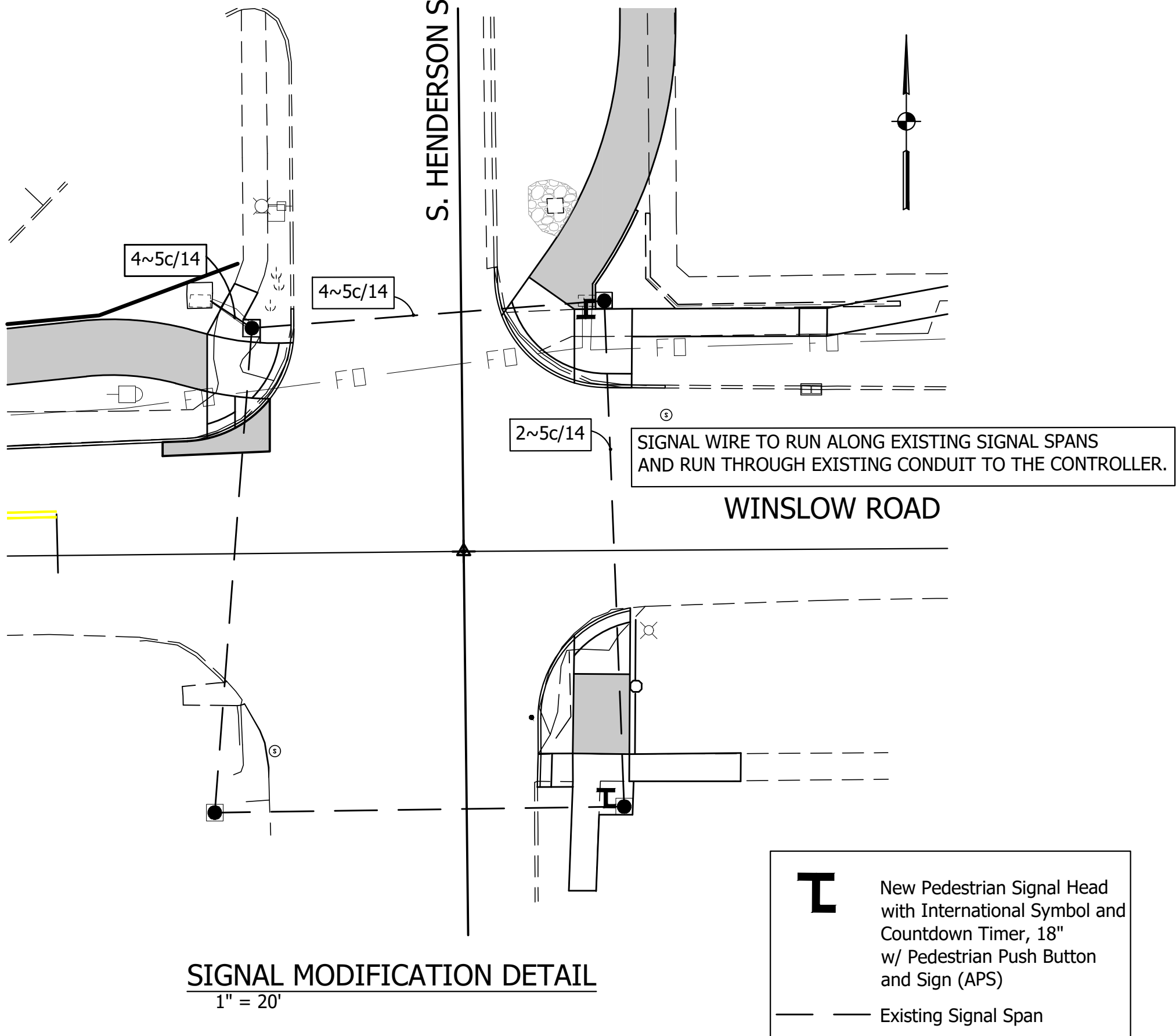
SCALE: 1" = 2'
STA. 49+64 "PB-1" TO STA. 49+86 "PB-1" RT.



BIKE RACK SHALL BE DERO (OR
APPROVED EQUIVALENT) MODEL
COMMERCIAL "HOOP RACK"
SURFACE MOUNTED APPLICATION
INSTALLED PER MANUFACTURERS
RECOMMENDATIONS. BLACK
POWDER COATED TO MATCH
EXISTING BUS STOP SHELTER



CURB TAPERS

RECOMMENDED
FOR APPROVAL

Mark A. Beck 6/22/17
DESIGN ENGINEER DATE

DESIGNED: M.B.

DRAWN: T.B.

CHECKED: M.M

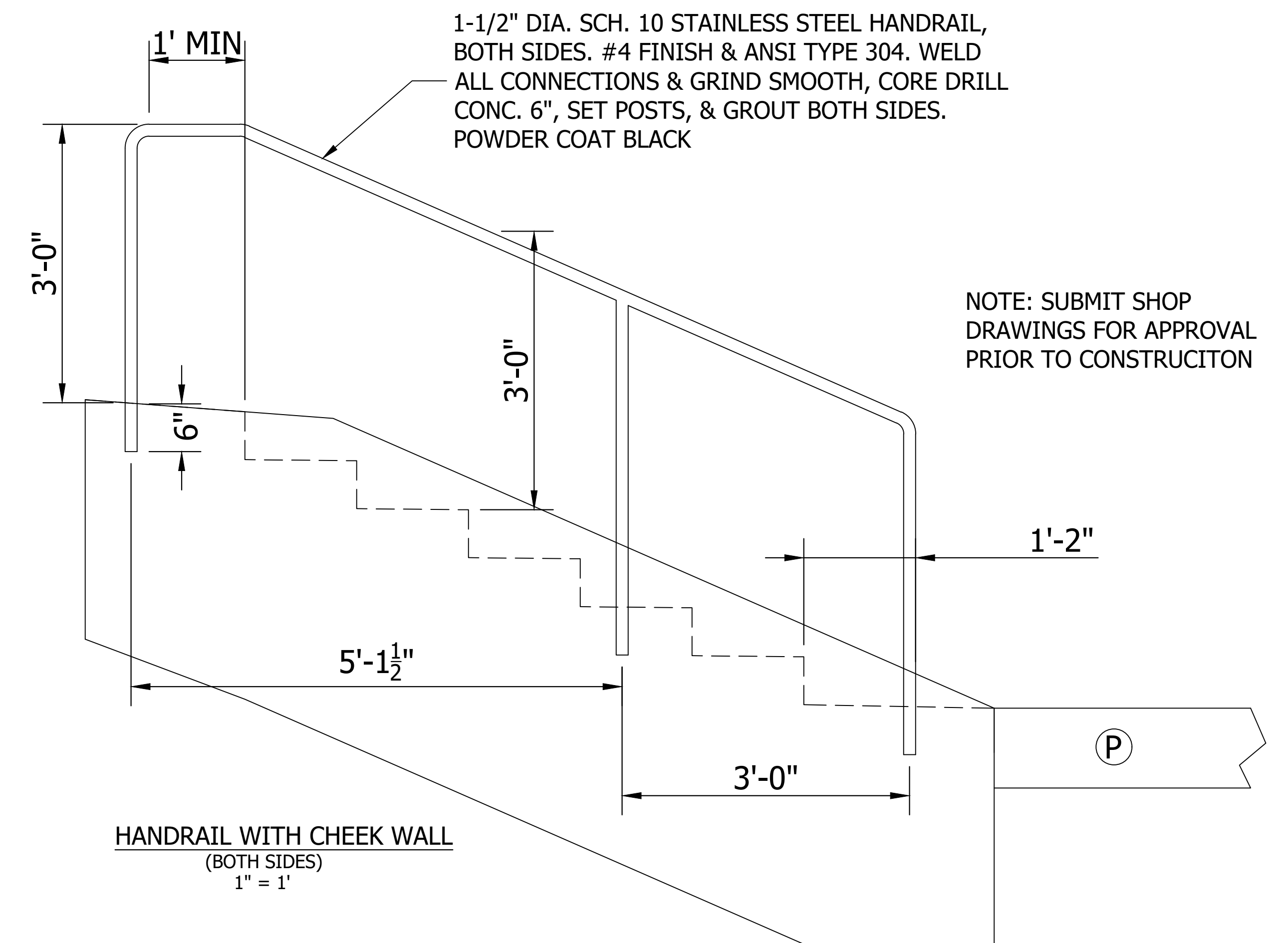
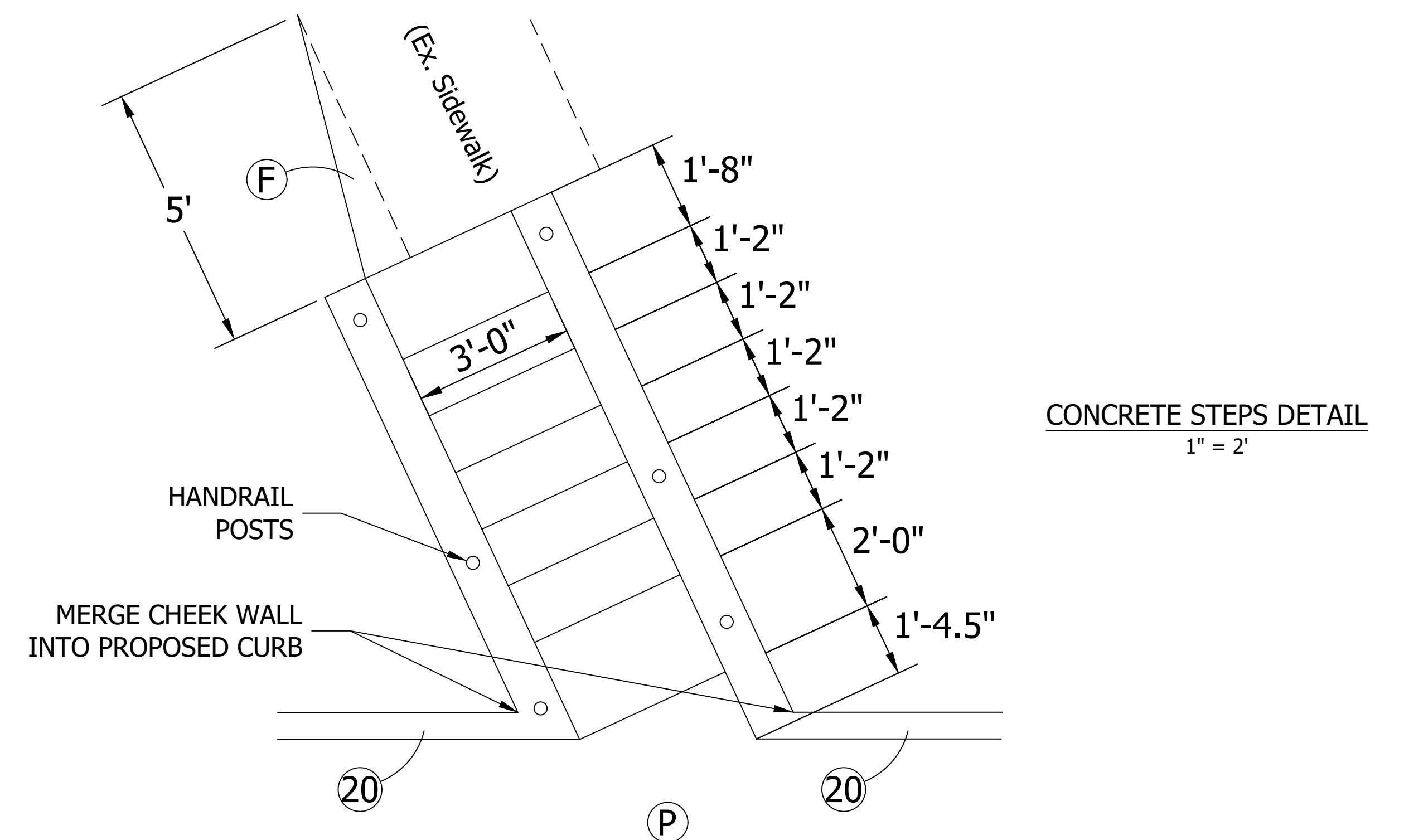
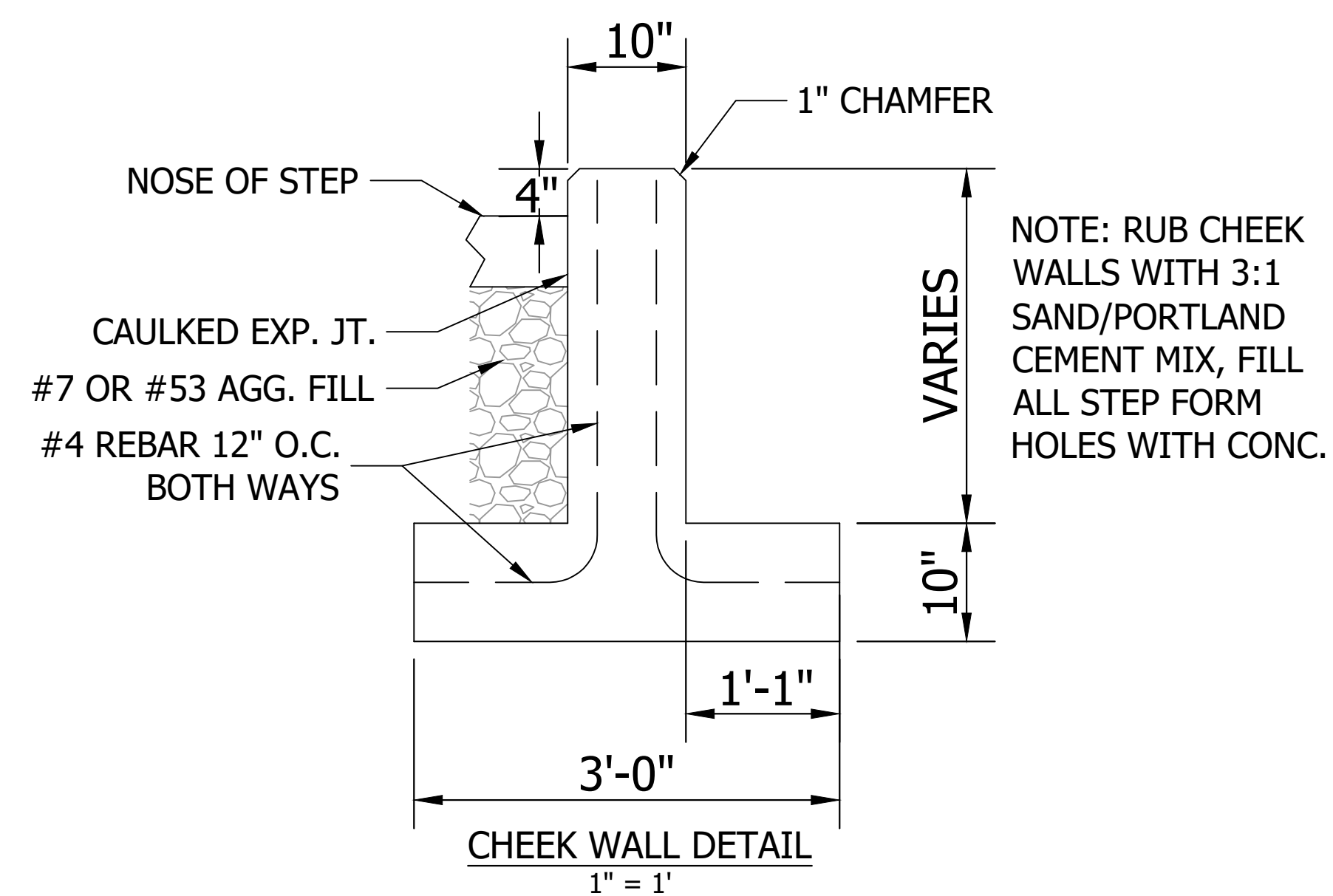
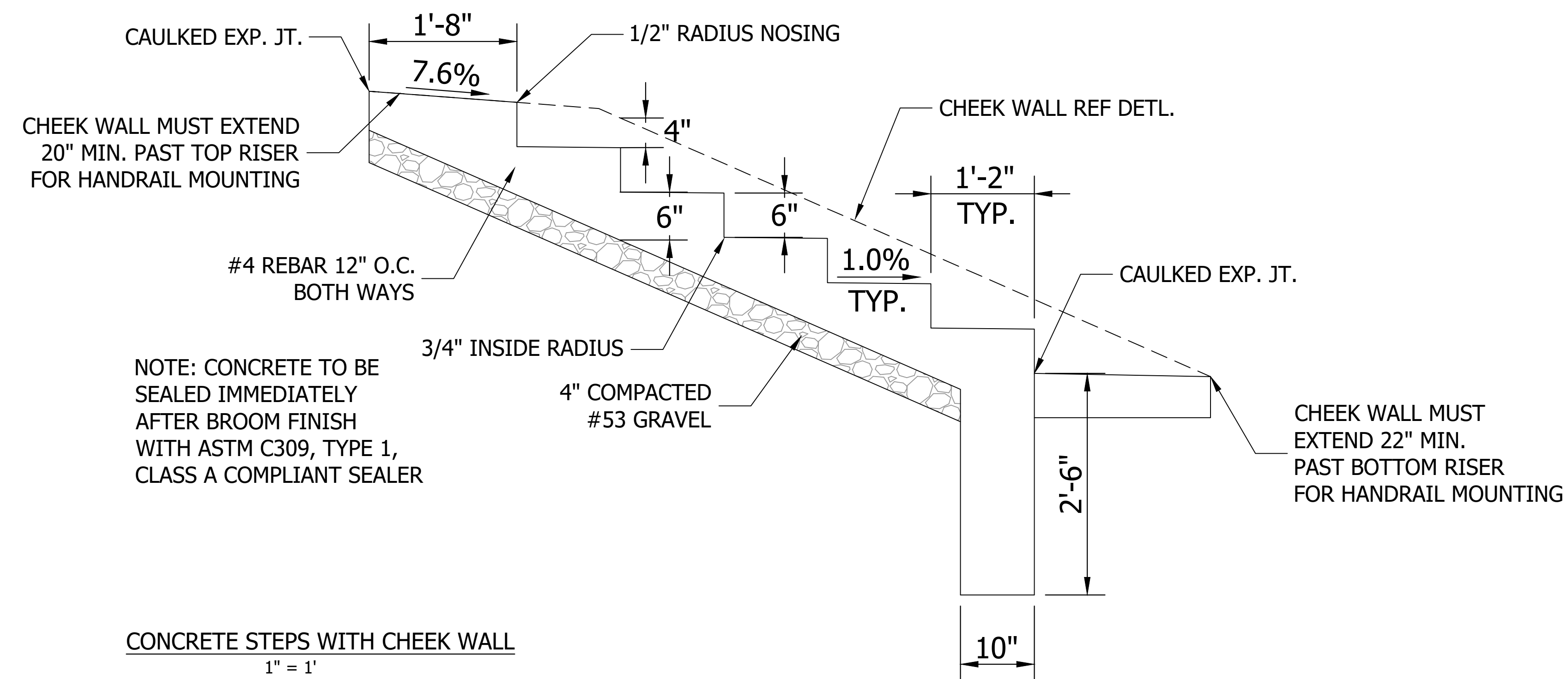
CHECKED: M.B.

CITY OF BLOOMINGTON

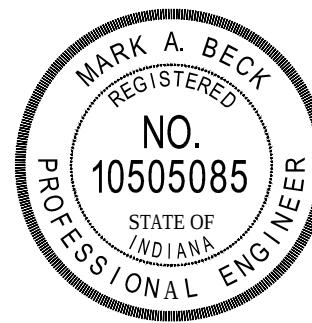
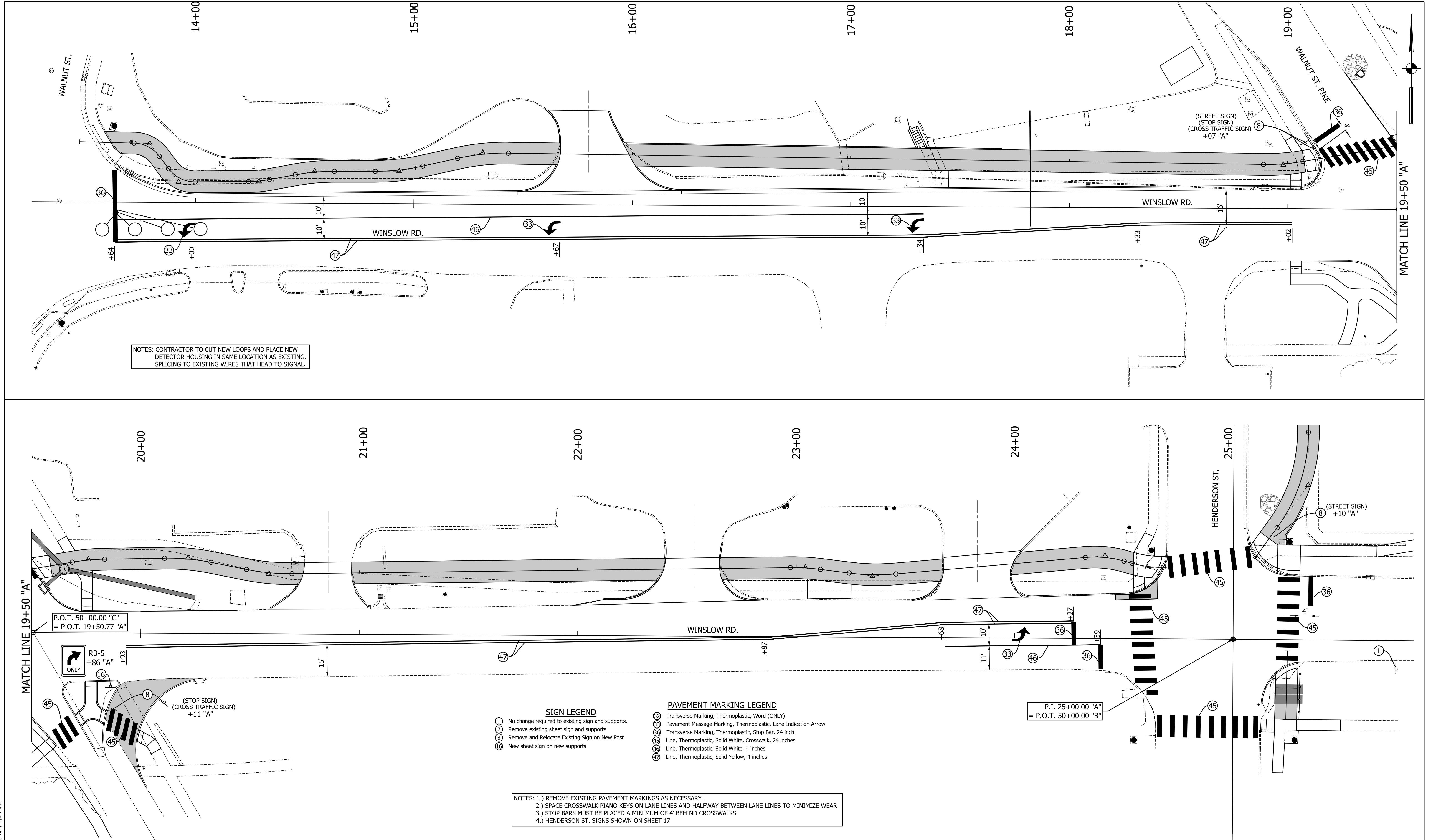
MISCELLANEOUS DETAILS

HORIZONTAL SCALE	BRIDGE FILE		
As Noted			
VERTICAL SCALE	DESIGNATION		
N/A	—		
SURVEY BOOK	SHEETS		
	24	of	27
CONTRACT	PROJECT		
	—		

HORIZONTAL SCALE	BRIDGE FILE		
As Noted			
VERTICAL SCALE	DESIGNATION		
N/A	—		
SURVEY BOOK	SHEETS		
	24	of	27
CONTRACT	PROJECT		
	—		



DIRECTORY PATH : E:\Active\Bloomington, City Of\Winslow & Henderson\CAD\PLANS
FILENAME : PM & SIGNING.dwg
DATE: 05/08/2017 11:33 AM / J.Yearett



RECOMMENDED FOR APPROVAL	<i>Mark A. Beck</i>	DESIGN ENGINEER	6/22/17
DESIGNED:	M.B.	DRAWN:	T.B.
CHECKED:	M.M.	CHECKED:	M.B.

CITY OF BLOOMINGTON

PAVEMENT MARKING &
SIGNING DETAILS

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	
VERTICAL SCALE	DESIGNATION
1"=5'	-
SURVEY BOOK	SHEETS
	26 of 27
CONTRACT	PROJECT
-	-

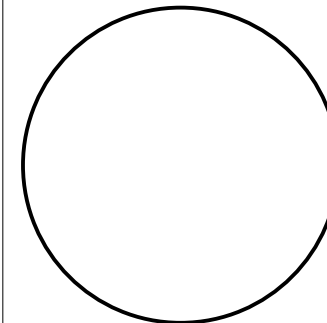
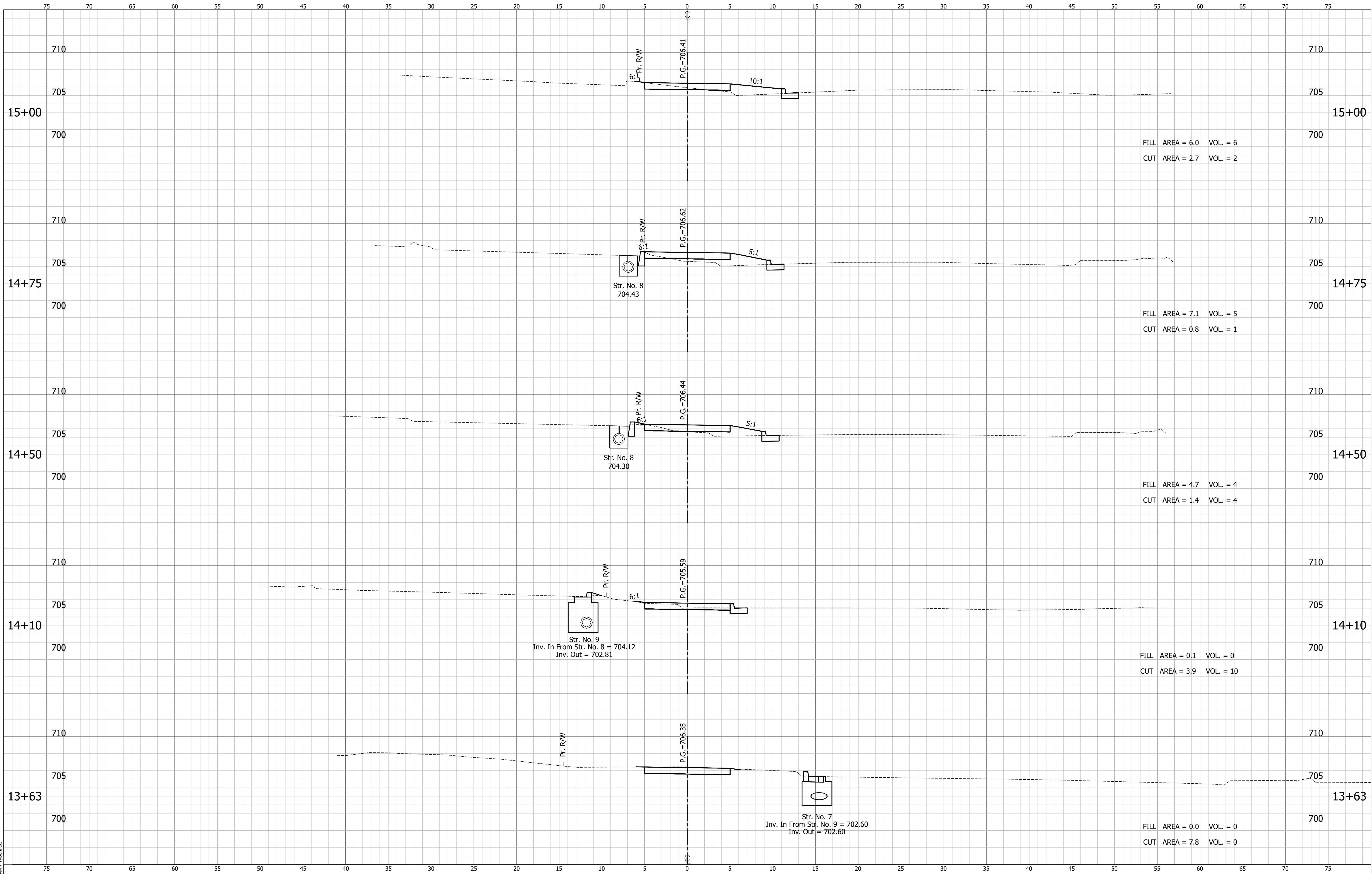
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SIGN SUMMARY - NEW AND RELOCATE													DESCRIPTION	
SHEET NO.	SIGN							SIGN POST, SQUARE, WITH REINFORCED ANCHOR BASE (TYP. 1) 2 1/4" X 2 1/4" X 12 ga.		SIGN POST, SQUARE, WITH REINFORCED ANCHOR BASE (TYP. 2) 2" X 2" X 12 ga.				
	OFFSET		SIGN CODE	SIGN SIZE	ENCAPSULATED LENS SHEET THICKNESS			LENGTH OF POST	No. OF POST	TOTAL POST LENGTH	LENGTH OF POST	No. OF POST		TOTAL POST LENGTH
	LEFT	RIGHT			0.08"	0.10"	0.125"							
	LINE "A"													
	19+07	X	EX. SIGN	30 x 36	7.50			12.5		12.5			STOP, Remove & Relocate on New Post RIGHT TURN ONLY	
	19+86	X	R3-5											
	20+11	X	EX. SIGN											
	25+10	X	EX. SIGN											
	LINE "B"													
	53+35	X	EX. SIGN					10.5		10.5			STOP, Remove & Relocate on New Post	
	55+95	X	EX. SIGN					10.5		10.5			STOP, Remove & Relocate on New Post	
	TOTALS				7.50					66.0				

STRUCTURE DATA																																																
STRUCTURE NUMBER	LOCATION				PIPE TYPE	DESCRIPTION MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	SKEW	FLOW LINE				RIM	SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL	GEOTEXTILES	UNIFORM RIPRAP	CONCRETE STRUCTURES	REINFORCING SECTION	SPECIAL GRATED BOX END SECTION		SAFETY METAL END SECTION		CONNECT TO STRUCTURE	REMARKS																				
	STATION	LEFT	RIGHT	CROSS					UP STREAM	DOWN STREAM																																						
	LINE "PA1"																																															
7	13+62	X	X		10"	X	INLET C-15	5		702.60			50	N/A	7.0	1												CONNECT TO 10" PVC																				
8	14+90	X	X		12"		SLOTTED DRAIN	76		704.12			50	N/A	7.0	1																																
9	14+12	X	X		12"	2	INLET C-15	42	1.0	702.81	702.60		50	N/A	7.0	1	9.5																															
10	16+96	X	X		12"	2	INLET B-15	40	3.5	702.14	701.74		50	N/A	7.0	1	22.3																															
11	17+37	X	X		12"	2	INLET C-15	75	1.0	701.74	701.00		50	N/A	7.0	1	17.0																															
11A	17+85	X	X		4"		PVC PIPE	32	1.0	706.34	701.10		50	N/A	7.0	1	7.2																															
12	18+09	X	X				INLET C-15																																									
12A	18+89.8	X	X				EX. INLET																					CONNECT TO 12" CMP REPLACE WITH TYPE 10 CASTING																				
	LINE "PA2"																																															
13	19+39	X	X		18"	2	PIPE	45	1.5	703.88	701.10		50	N/A	7.0	1	17.2	18	11		1																											
13A	20+26	X	X				EX. INLET			700.51			50	N/A	7.0	1																																
13B	19+64	X	X		18"	2	MANHOLE C-4	61	1.5	701.10	700.55		50	N/A	7.0	1	23.3																															
13C	19+53	X	X		12"	2	INLET B-15	13	2.0	701.49	701.23		50	N/A	7.0	1	4.6											CORE INTO EXISTING STR 13A																				
	LINE "PB1"																																															
14	49+75		X				4.25' X 2.75' TWIN CMP	24	1.0	704.90	704.84		50	N/A	7.0	1	17.6											EXTEND TWIN 2.75 x 4.25 CMP																				
	LINE "PB2"																																															
15	50+61	X	X				EXISTING INLET																																									

LOCATION	RIPRAP DITCH			SODDING	
	REVETMENT RIPRAP TONS	UNIFORM RIPRAP, 6" TONS	GEOTEXTILES SYS	NURSERY SYS	FOR DITCHES SYS
13+50 TO 15+67 LINE PA1				219	
15+97 TO 19+05 LINE PA1				360	
19+57 TO 20+75 LINE PA2				235	
20+97 TO 22+40 LINE PA2				123	
22+65 TO 23+68 LINE PA2				98	
23+98 TO 24+61 LINE PA2				94	
50+47 TO 52+91 LINE PB2				558	
53+41 TO 55+72 LINE PB2				123	
56+04 TO 56+98 LINE PB2				31	
TOTALS				1841	

DIRECTORY PATH : R:\Active\Bloomington, City Of\Wrislow & Henderson\CAD\PLANS
FILE NAME : 13+63.XXD
DATE/USER : 6/22/2017 11:43 AM / TjHennett



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FOR APPROVAL

DESIGN ENGINEER

DATE

DESIGNED: M.B.

DRAWN: T.B.

CHECKED: M.M.

CHECKED: M.B.

CITY OF BLOOMINGTON

CROSS SECTIONS
LINE "PA1"

HORIZONTAL SCALE

1"=5'

VERTICAL SCALE

1"=5'

SURVEY BOOK

CONTRACT

BRIDGE FILE

DESIGNATION

SHEETS

PROJECT

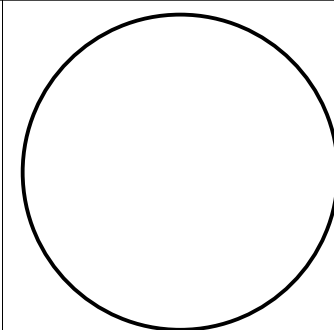
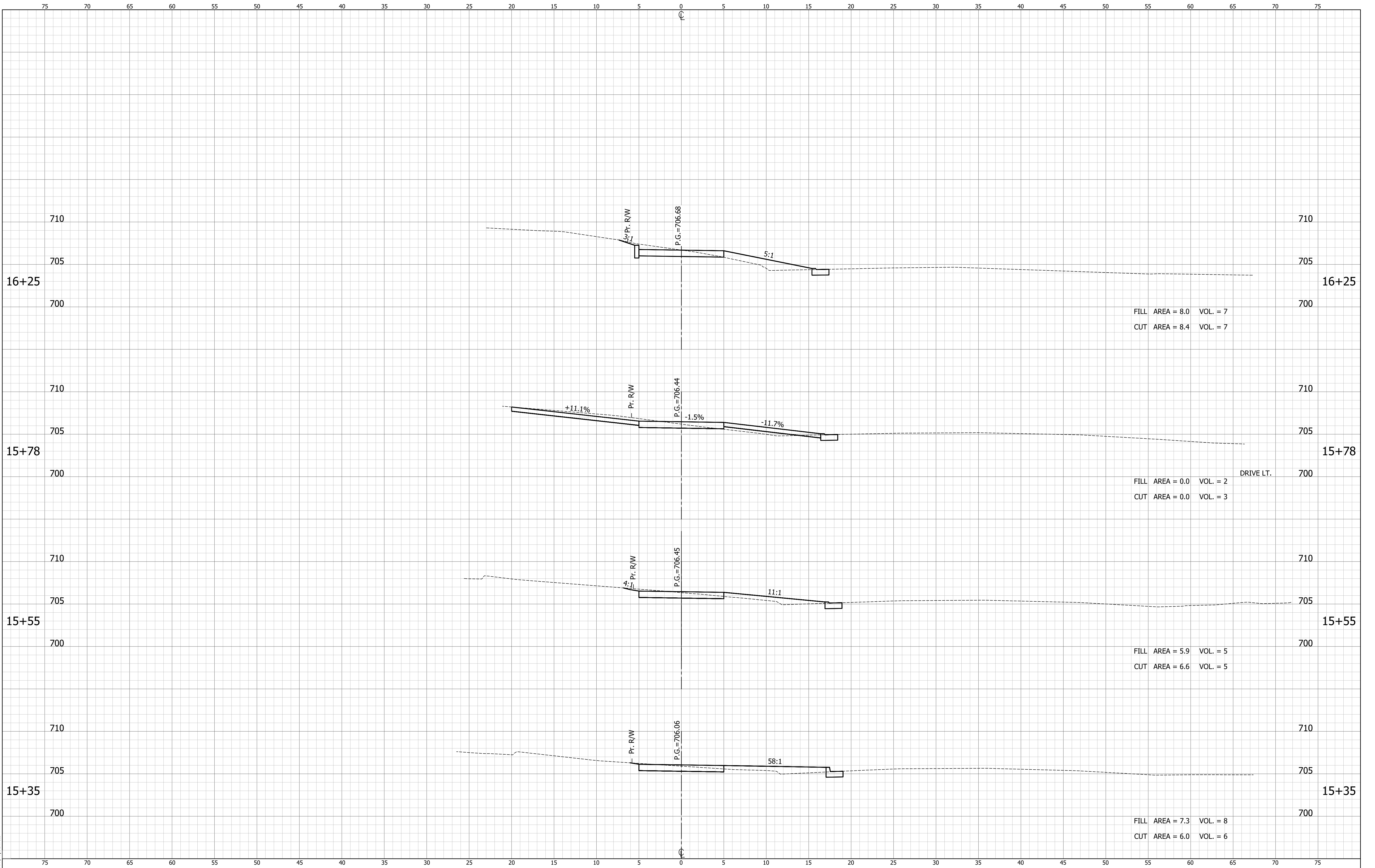
XS1

of

XS16

PROJECT

DIRECTORY PATH : R:\Active\Bloomington, City Of\Wrislow & Henderson\CAD\PLANS
FILE NAME : 15+35 to 16+25.dwg
DATE/USER : 02/20/17 11:43 AM / TjHornett



RECOMMENDED
FOR APPROVAL

DESIGN ENGINEER

DATE

DESIGNED: M.B.

DRAWN: T.B.

CHECKED: M.M.

CHECKED: M.B.

CITY OF BLOOMINGTON

CROSS SECTIONS
LINE "PA1"

HORIZONTAL SCALE

1"=5'

VERTICAL SCALE

1"=5'

SURVEY BOOK

CONTRACT

BRIDGE FILE

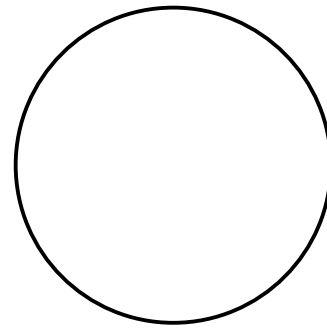
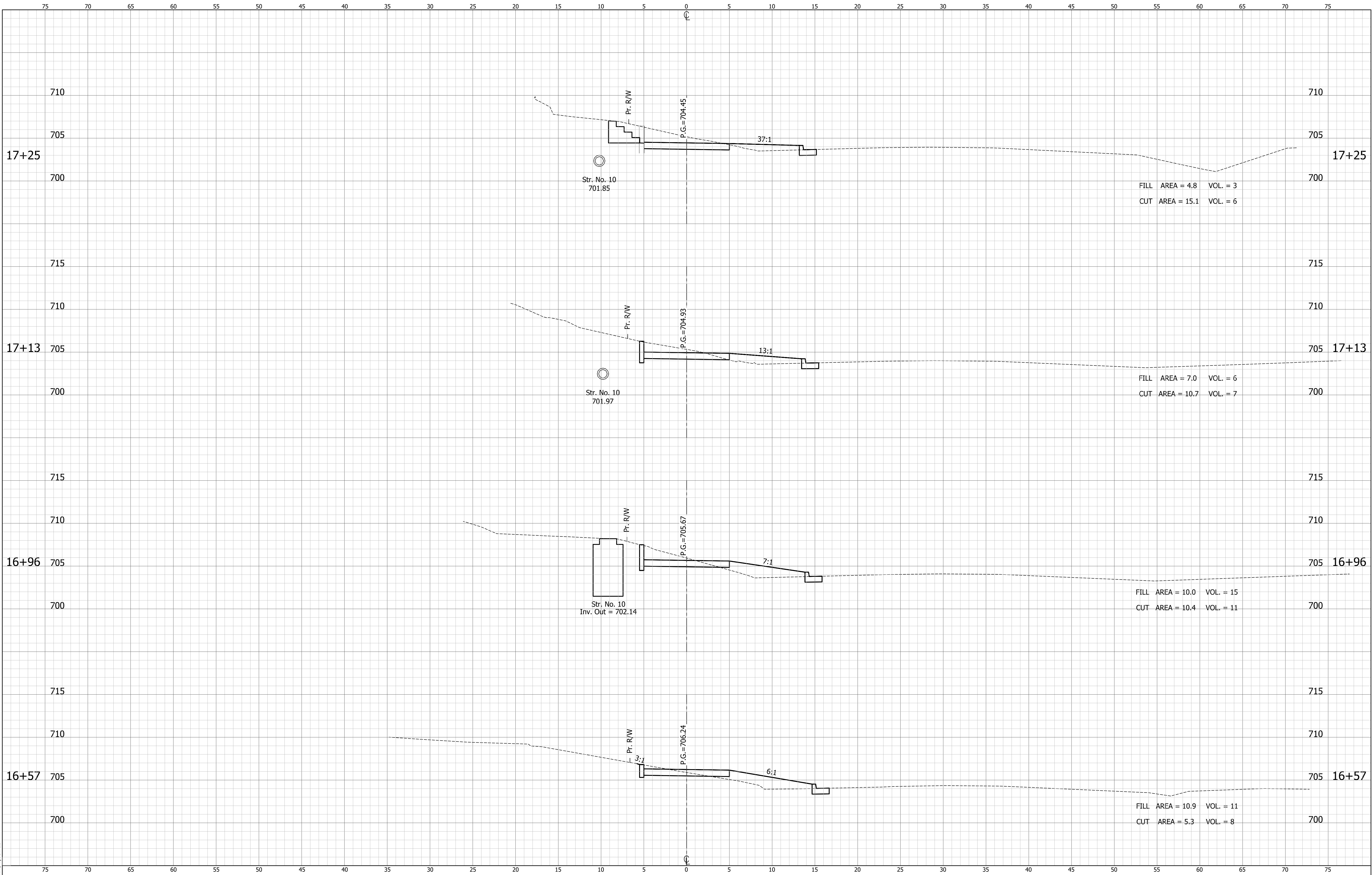
DESIGNATION

SHEETS

XS2 of XS16

PROJECT

DIRECTORY PATH : R:\Active\Bloomington, City Of\Wrislow & Henderson\CAD\PLANS
 FILE NAME : XS16.dwg
 DATE/USER : 02/20/17 11:43 AM / TjHornett



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DESIGN ENGINEER

DATE

DESIGNED: M.B.

DRAWN: T.B.

CHECKED: M.M.

CHECKED: M.B.

CITY OF BLOOMINGTON

CROSS SECTIONS
LINE "PA1"

HORIZONTAL SCALE

1"=5'

VERTICAL SCALE

1"=5'

SURVEY BOOK

CONTRACT

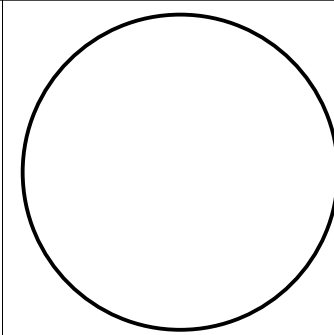
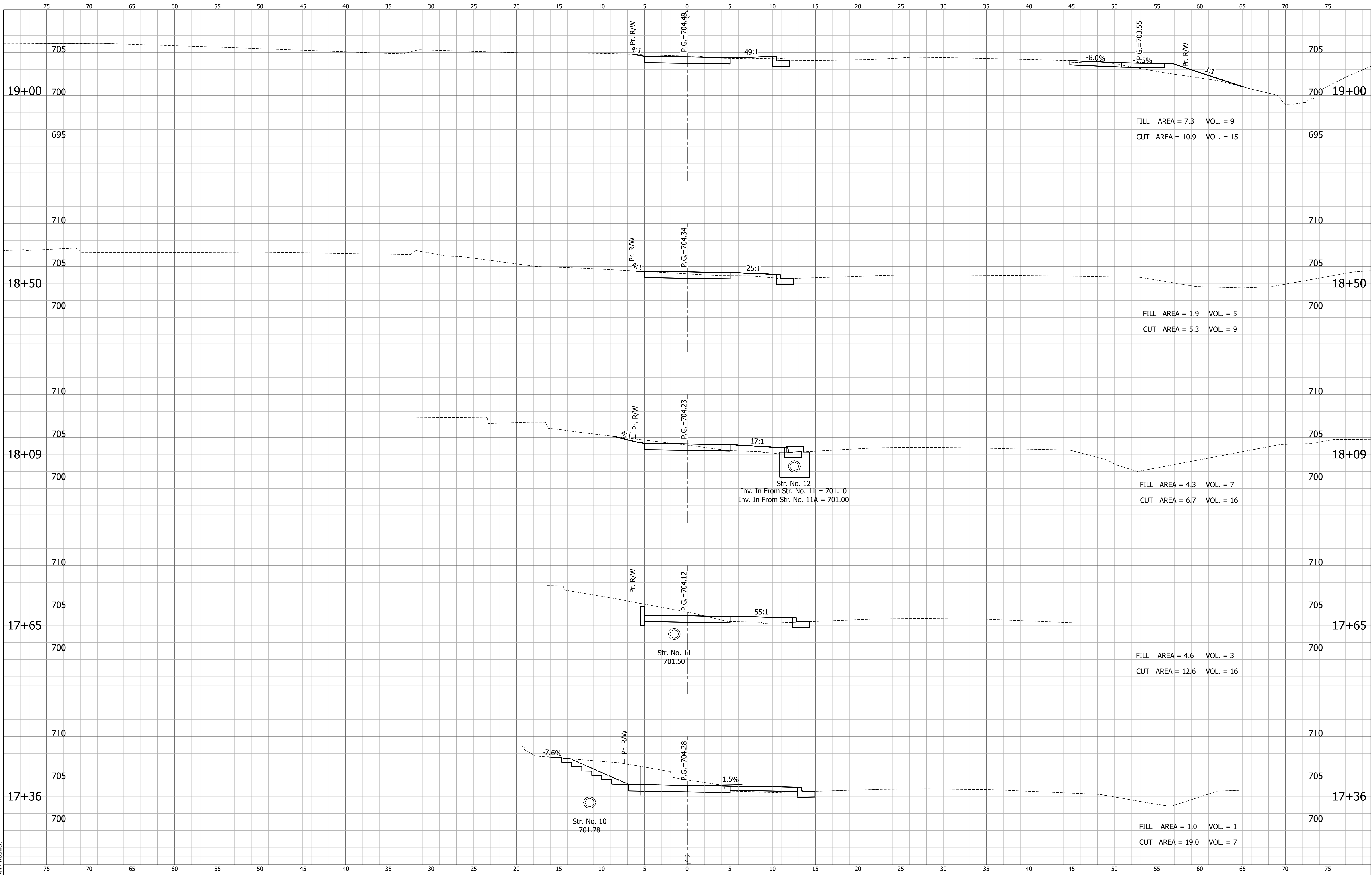
BRIDGE FILE

DESIGNATION

SHEETS

XS3 of XS16
PROJECT

DIRECTORY PATH : R:\Active\Bloomington, City Of\Wrislow & Henderson\CAD\PLANS
FILE NAME : 17+36.dwg
DATE/USER : 02/20/17 11:43 AM / T\johndett



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FOR APPROVAL

DESIGN ENGINEER

DATE

DESIGNED: M.B.

DRAWN: T.B.

CHECKED: M.M.

CHECKED: M.B.

CITY OF BLOOMINGTON

CROSS SECTIONS
LINE "PA1"

HORIZONTAL SCALE

1"=5'

VERTICAL SCALE

1"=5'

SURVEY BOOK

CONTRACT

BRIDGE FILE

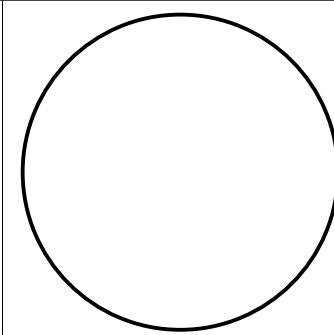
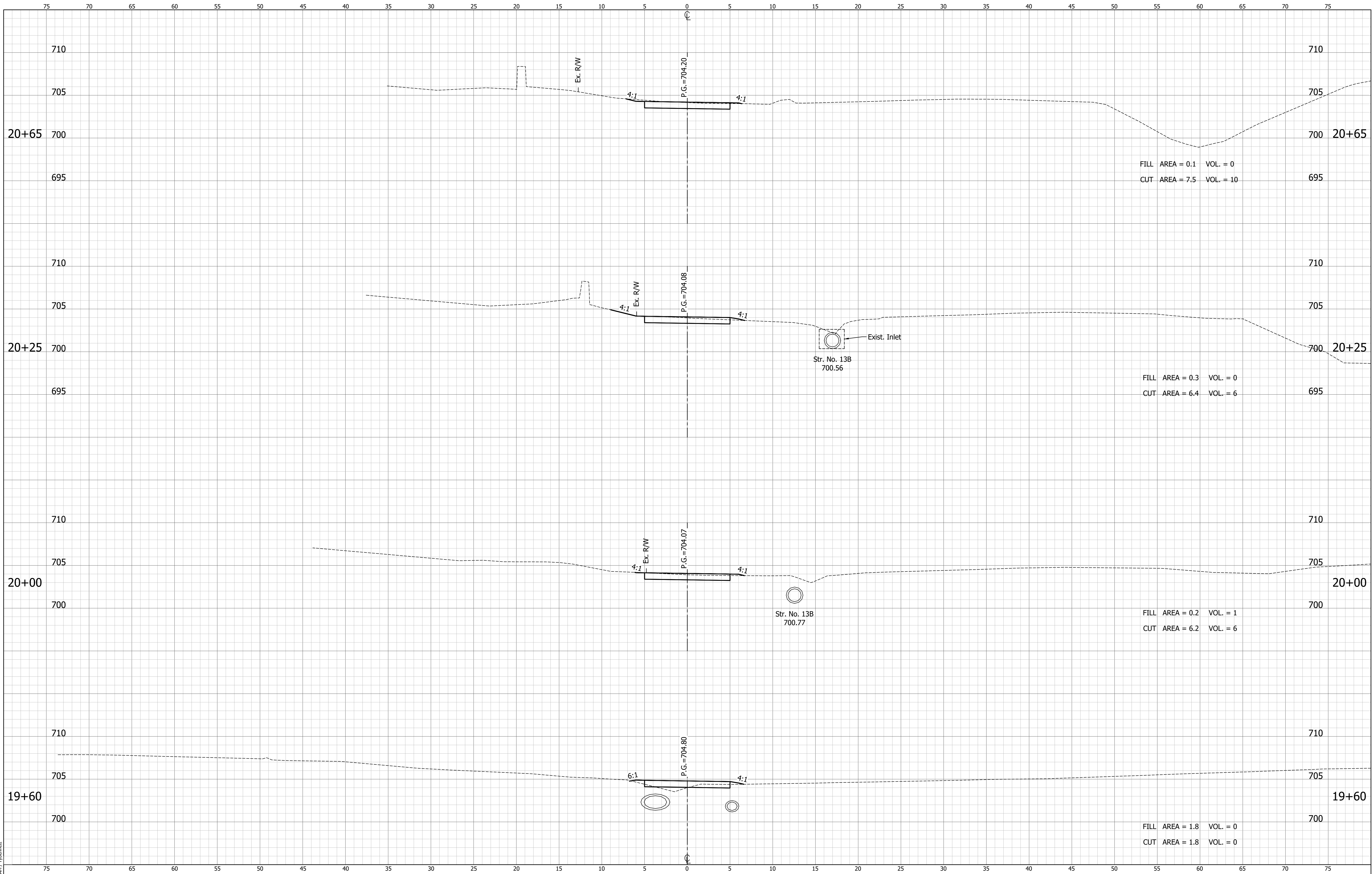
DESIGNATION

SHEETS

XS4 of XS16

PROJECT

DIRECTORY PATH : R:\Active\Bloomington, City Of\Wrislow & Henderson\CAD\PLANS
FILE NAME : 19+60.XSS
DATE/USER : 02/20/17 11:43 AM / T\thornett



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DESIGN ENGINEER

DATE

DESIGNED: M.B.

DRAWN: T.B.

CHECKED: M.M.

CHECKED: M.B.

CITY OF BLOOMINGTON

CROSS SECTIONS
LINE "PA2"

HORIZONTAL SCALE

1"=5'

VERTICAL SCALE

1"=5'

SURVEY BOOK

CONTRACT

BRIDGE FILE

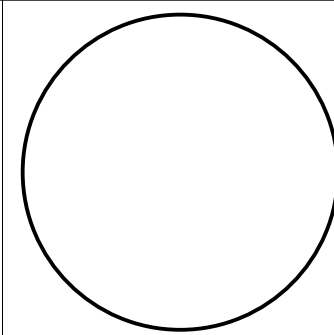
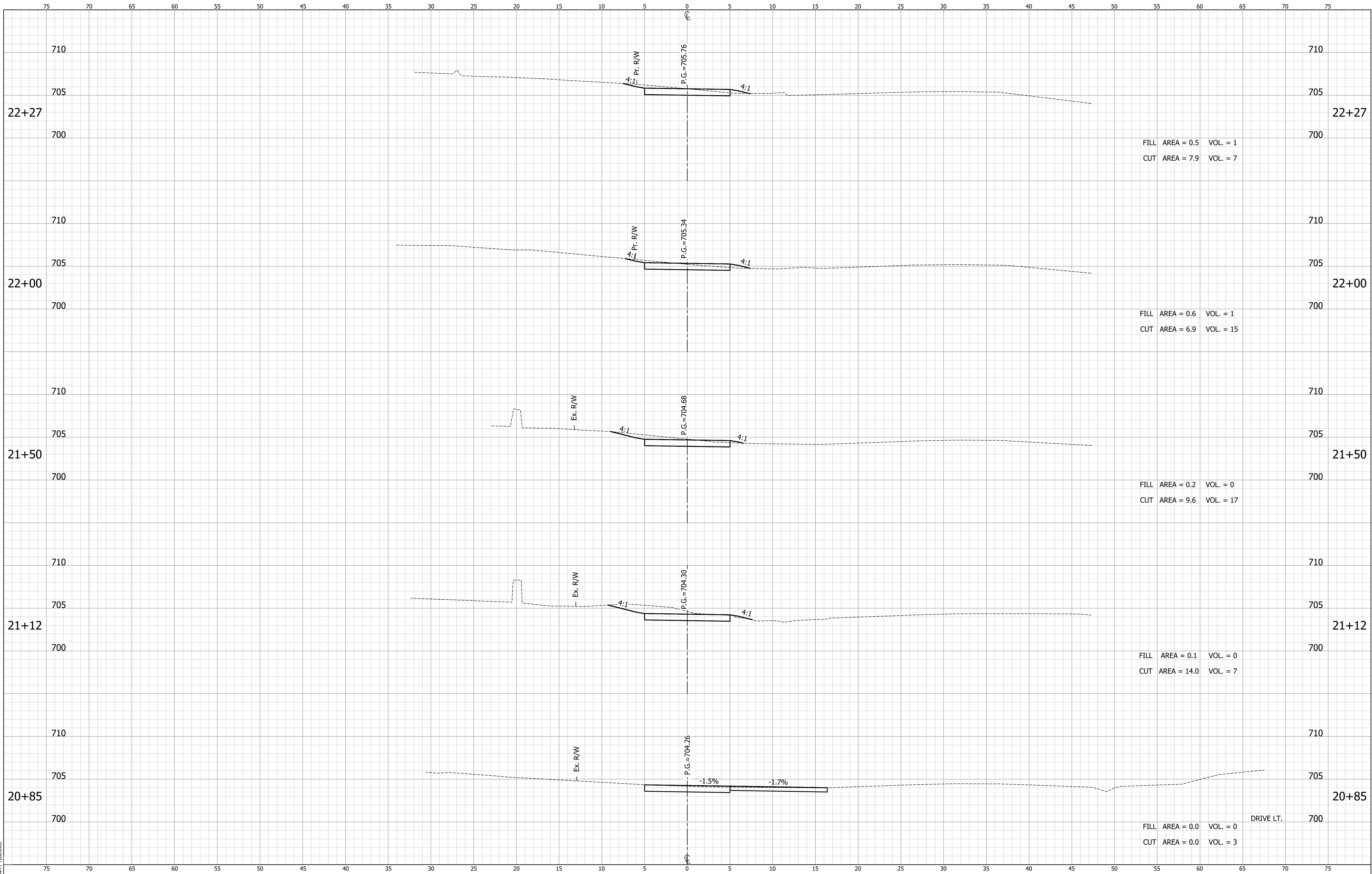
DESIGNATION

SHEETS

XS5 of XS16

PROJECT

DIRECTORY PATH : R:\Active\Bloomington, City Of\Wreslow & Henderson\CAD\PLANS
FILE NAME : 22+00+27+85.dwg
DATE/USER : 02/20/17 11:43 AM / TjHornett



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DESIGN ENGINEER

DATE

DESIGNED: M.B.

DRAWN: T.B.

CHECKED: M.M.

CHECKED: M.B.

CITY OF BLOOMINGTON

CROSS SECTIONS
LINE "PA2"

HORIZONTAL SCALE

1"=5'

VERTICAL SCALE

1"=5'

SURVEY BOOK

CONTRACT

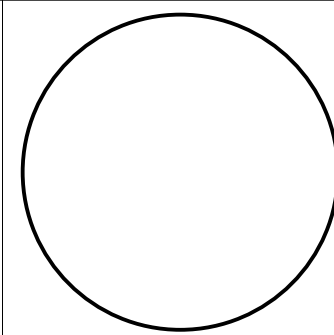
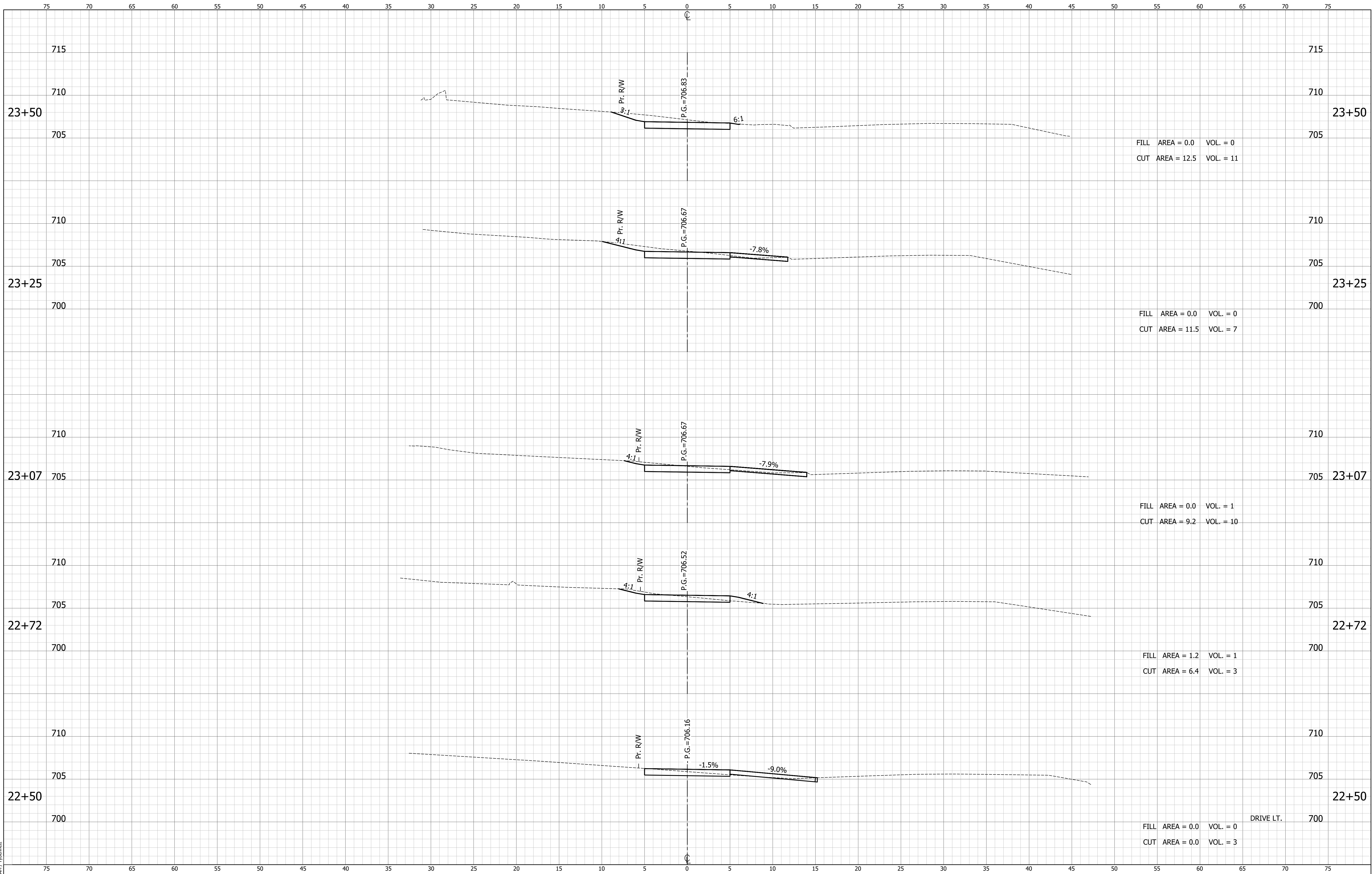
BRIDGE FILE

DESIGNATION

SHEETS

PROJECT

DIRECTORY PATH : R:\Active\Bloomington, City Of\Wreslow & Henderson\CAD\PLANS
FILE NAME : 222017.11-13 AM / T\lennett
DATE/USER :



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DESIGN ENGINEER

DATE

DESIGNED: M.B.

DRAWN: T.B.

CHECKED: M.M.

CHECKED: M.B.

CITY OF BLOOMINGTON

CROSS SECTIONS
LINE "PA2"

HORIZONTAL SCALE

1"=5'

VERTICAL SCALE

1"=5'

SURVEY BOOK

CONTRACT

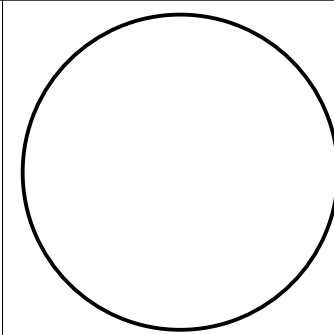
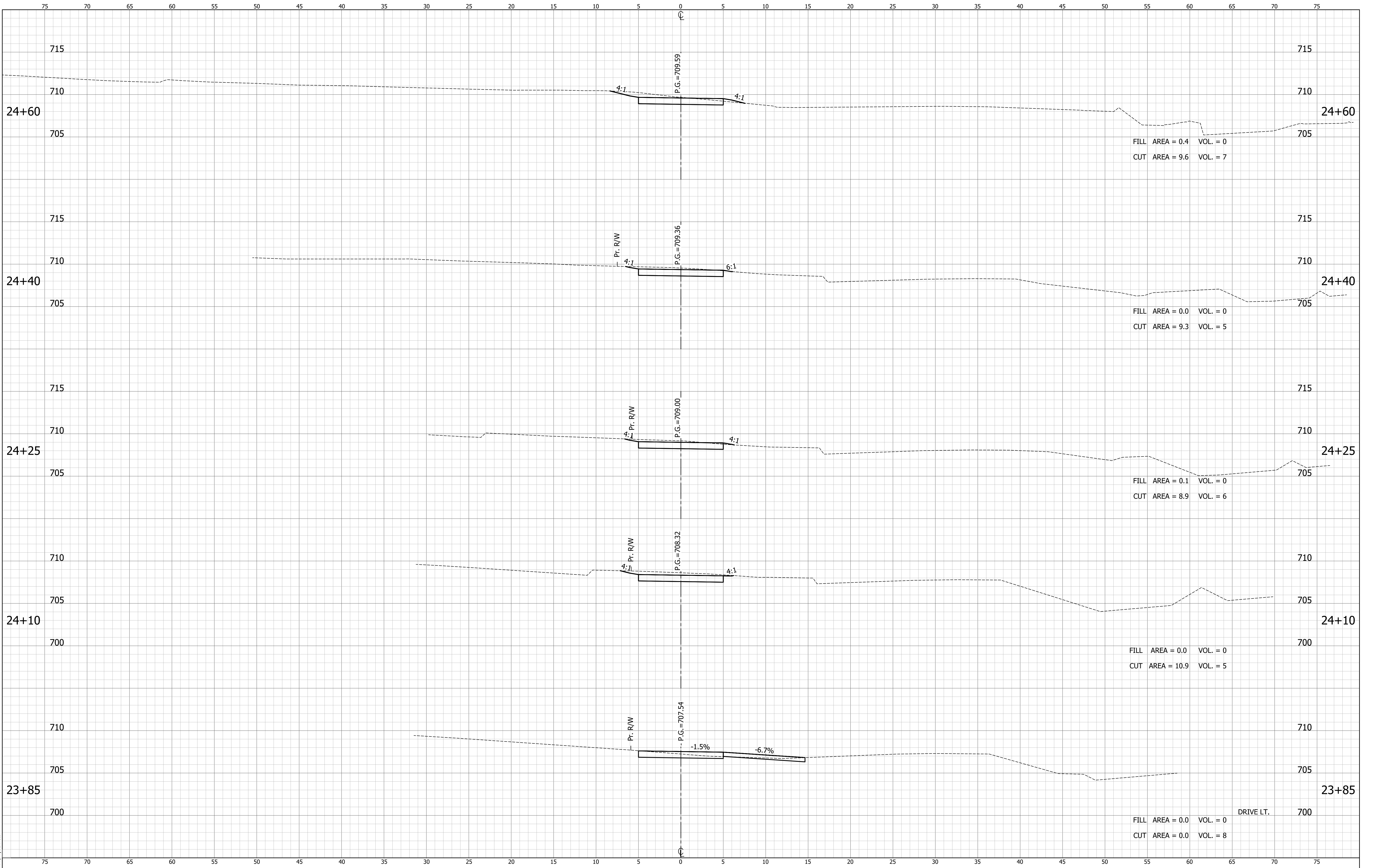
BRIDGE FILE

DESIGNATION

SHEETS

PROJECT

DIRECTORY PATH : R:\Active\Bloomington, City Of\Wreslow & Henderson\CAD\PLANS
FILE NAME : 24+60.XXD
DATE/USER : 02/20/17 11:43 AM / TjHornett



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DESIGN ENGINEER

DATE

DESIGNED: M.B.

DRAWN: T.B.

CHECKED: M.M.

CHECKED: M.B.

CITY OF BLOOMINGTON

CROSS SECTIONS
LINE "PA2"

HORIZONTAL SCALE

1"=5'

VERTICAL SCALE

1"=5'

SURVEY BOOK

CONTRACT

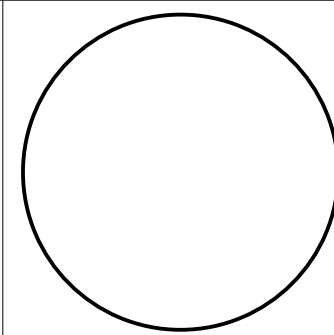
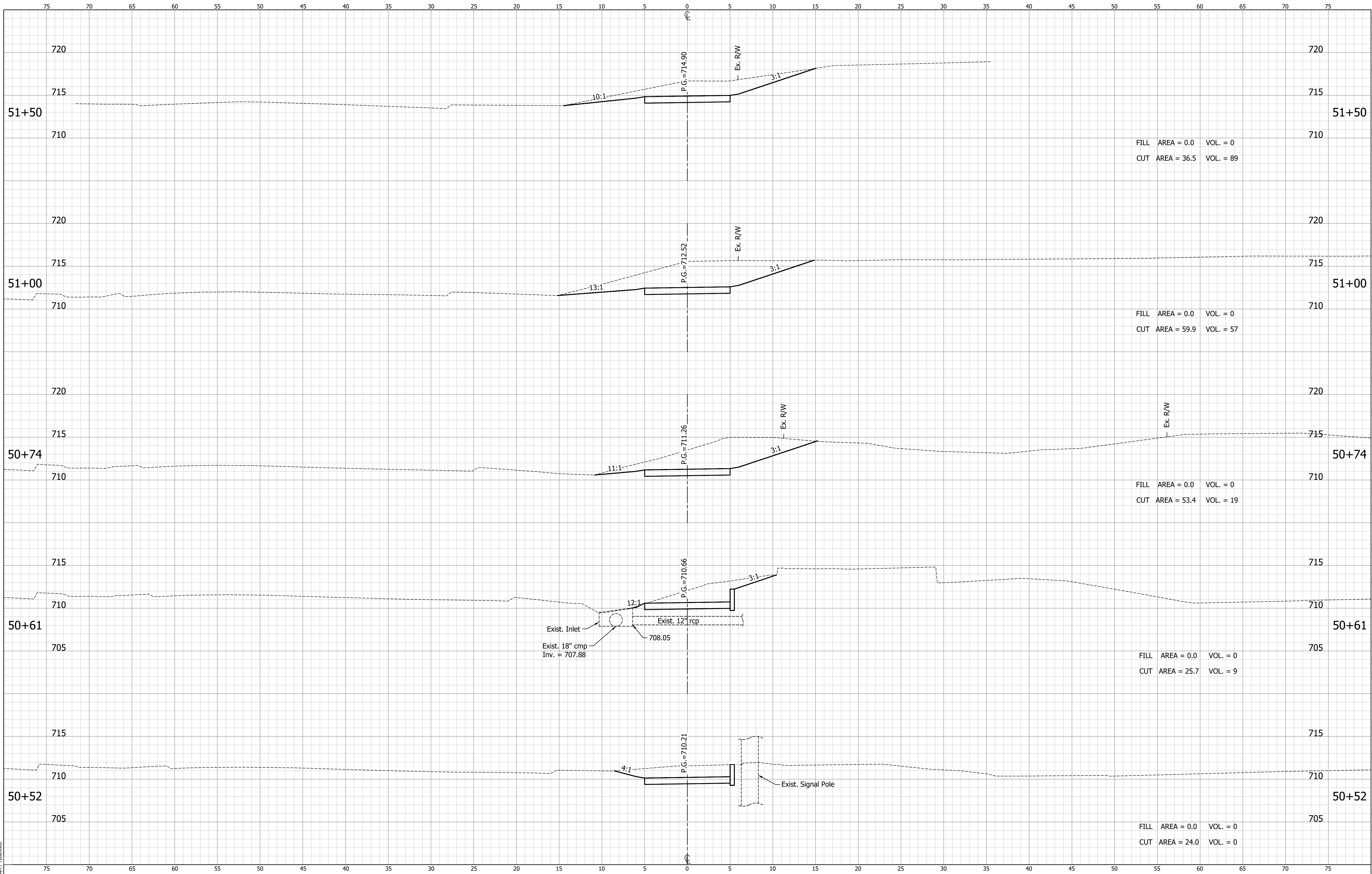
BRIDGE FILE

DESIGNATION

SHEETS

PROJECT

DIRECTORY PATH : R:\Active\Bloomington, City Of\Wrislow & Henderson\CAD\PLANS
FILE NAME : 50+52.dwg
DATE/USER : 6/22/2017 11:43 AM / Tjhemmett



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DATE

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DRAWN: T.B.

CHECKED: M.M.

CHECKED: M.B.

CITY OF BLOOMINGTON

CROSS SECTIONS
LINE "PB2"

HORIZONTAL SCALE

1"=5'

VERTICAL SCALE

1"=5'

SURVEY BOOK

CONTRACT

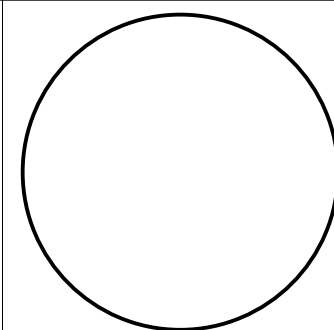
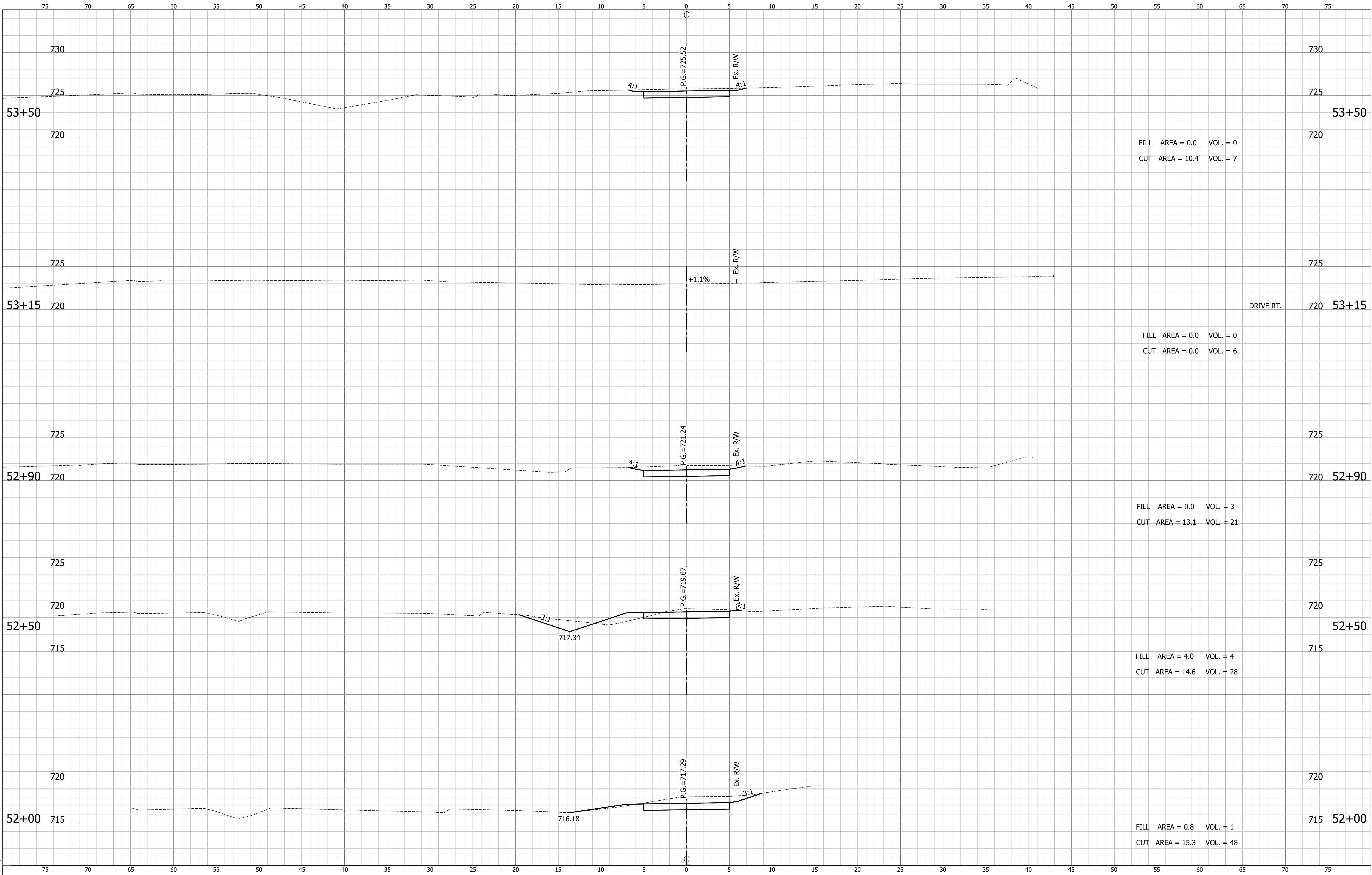
BRIDGE FILE

DESIGNATION

SHEETS

XS10 of XS16
PROJECT

DIRECTORY PATH : R:\Active\Bloomington, City Of\Wreslow & Henderson\CAD\PLANS
FILE NAME : 02202017 11-43 AM / T100mett
DATE/USER :



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DESIGN ENGINEER

DATE

DESIGNED: M.B.

DRAWN: T.B.

CHECKED: M.M.

CHECKED: M.B.

CITY OF BLOOMINGTON

CROSS SECTIONS
LINE "PB2"

HORIZONTAL SCALE

1"=5'

VERTICAL SCALE

1"=5'

SURVEY BOOK

CONTRACT

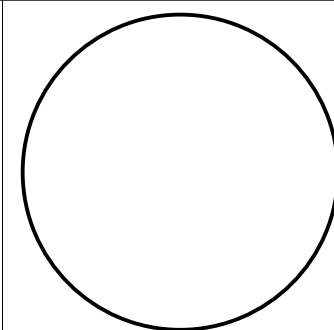
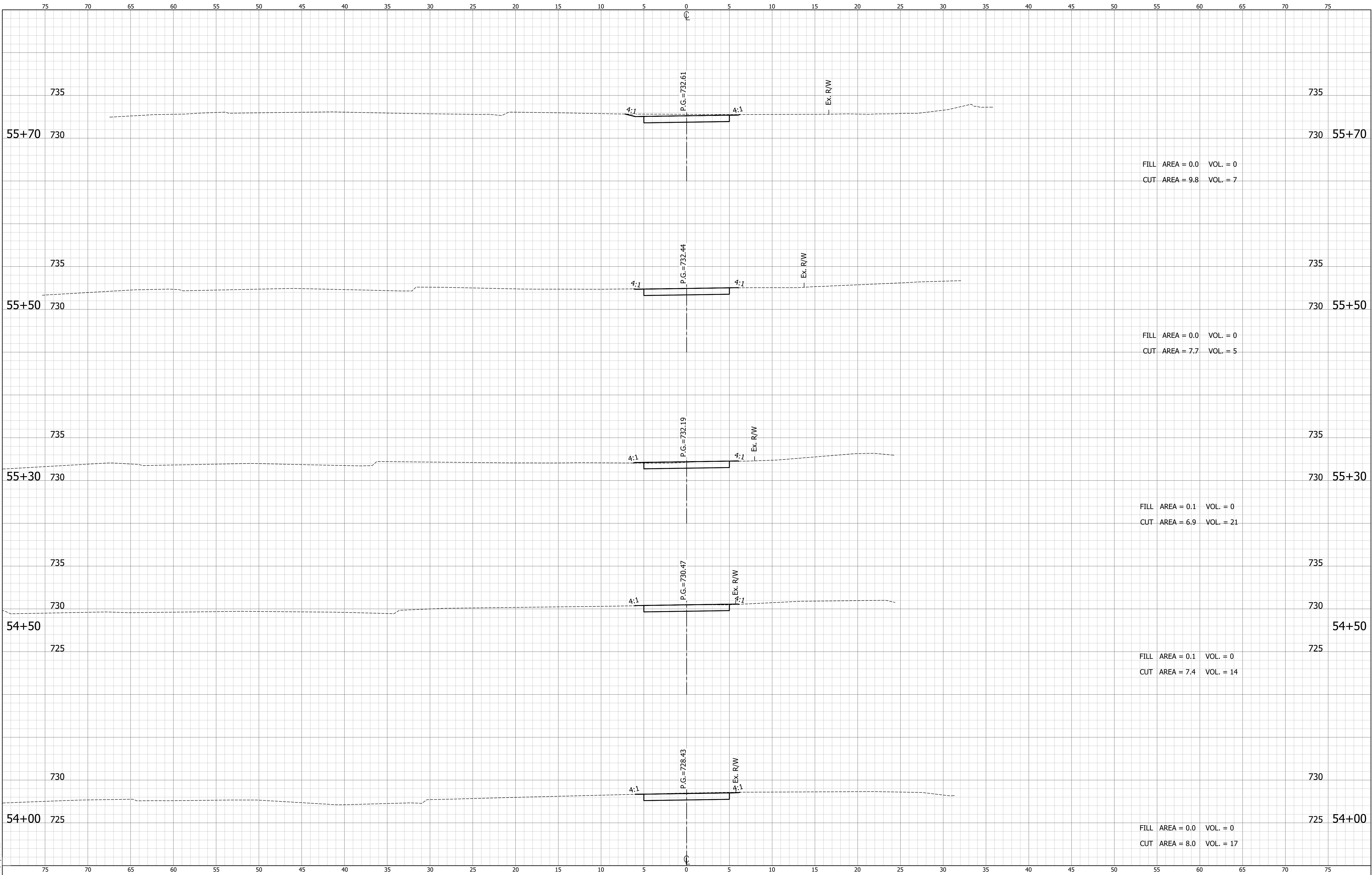
BRIDGE FILE

DESIGNATION

SHEETS

PROJECT

DIRECTORY PATH : R:\Active\Bloomington, City Of\Wrislow & Henderson\CAD\PLANS
FILE NAME : 54+00 to 55+70.dwg
DATE/USER : 02/20/17 11:43 AM / TjHornett



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DESIGN ENGINEER

DATE

DESIGNED: M.B.

DRAWN: T.B.

CHECKED: M.M.

CHECKED: M.B.

CITY OF BLOOMINGTON

CROSS SECTIONS
LINE "PB2"

HORIZONTAL SCALE

1"=5'

VERTICAL SCALE

1"=5'

SURVEY BOOK

CONTRACT

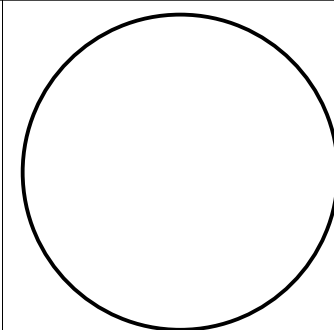
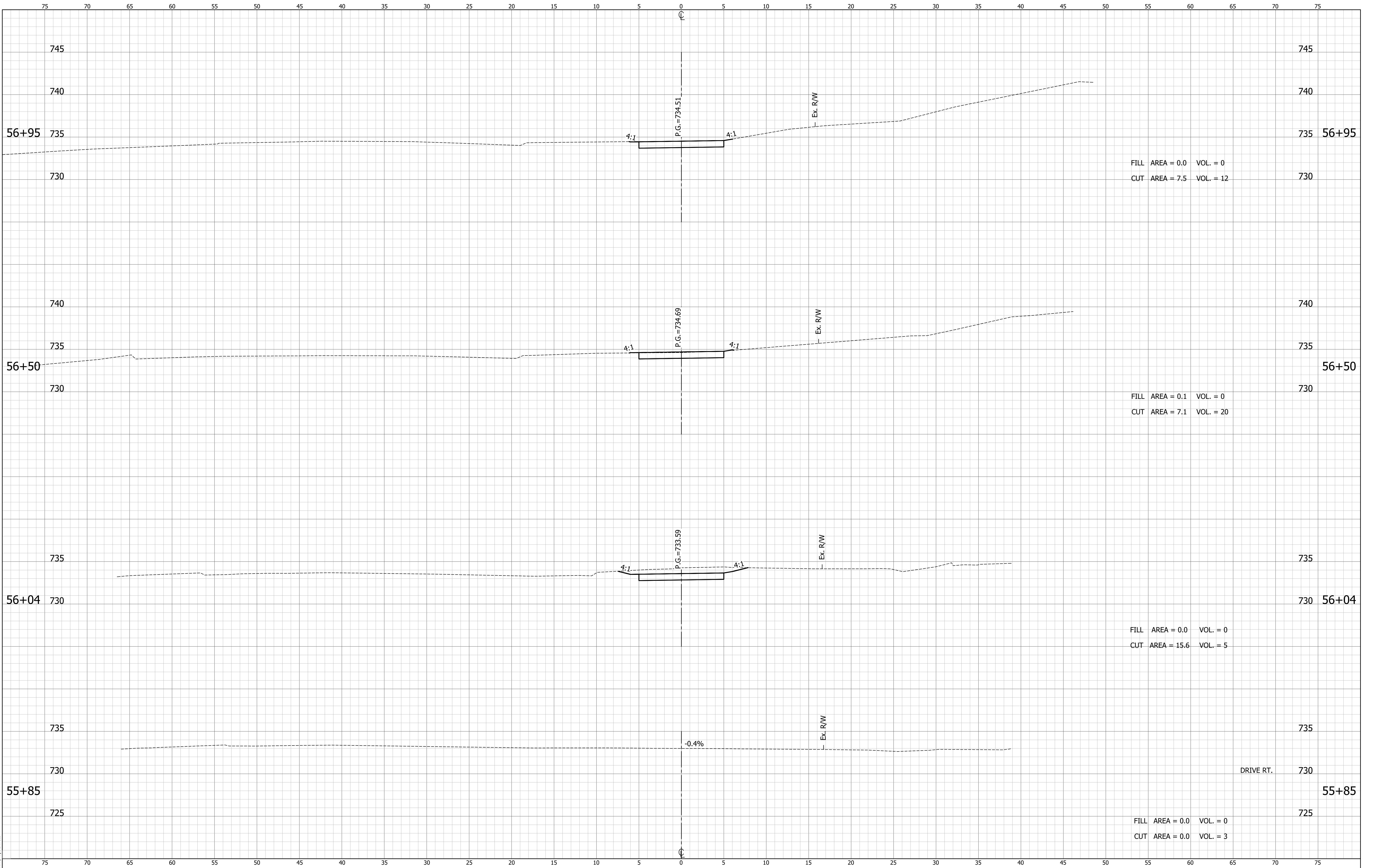
BRIDGE FILE

DESIGNATION

SHEETS

PROJECT

DIRECTORY PATH : R:\Active\Bloomington, City Of\Wrislow & Henderson\CAD\PLANS
FILE NAME : 55+85 to 56+95.dwg
DATE/USER : 02/20/17 11:43 AM / T\johndett



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DESIGNED: M.B.

DRAWN: T.B.

CHECKED: M.M.

CHECKED: M.B.

CITY OF BLOOMINGTON

CROSS SECTIONS
LINE "PB2"

HORIZONTAL SCALE

1"=5'

VERTICAL SCALE

1"=5'

SURVEY BOOK

CONTRACT

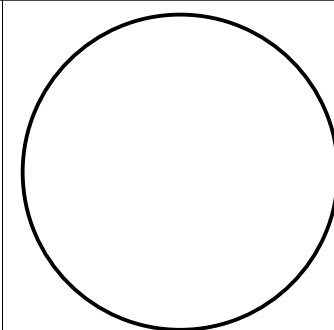
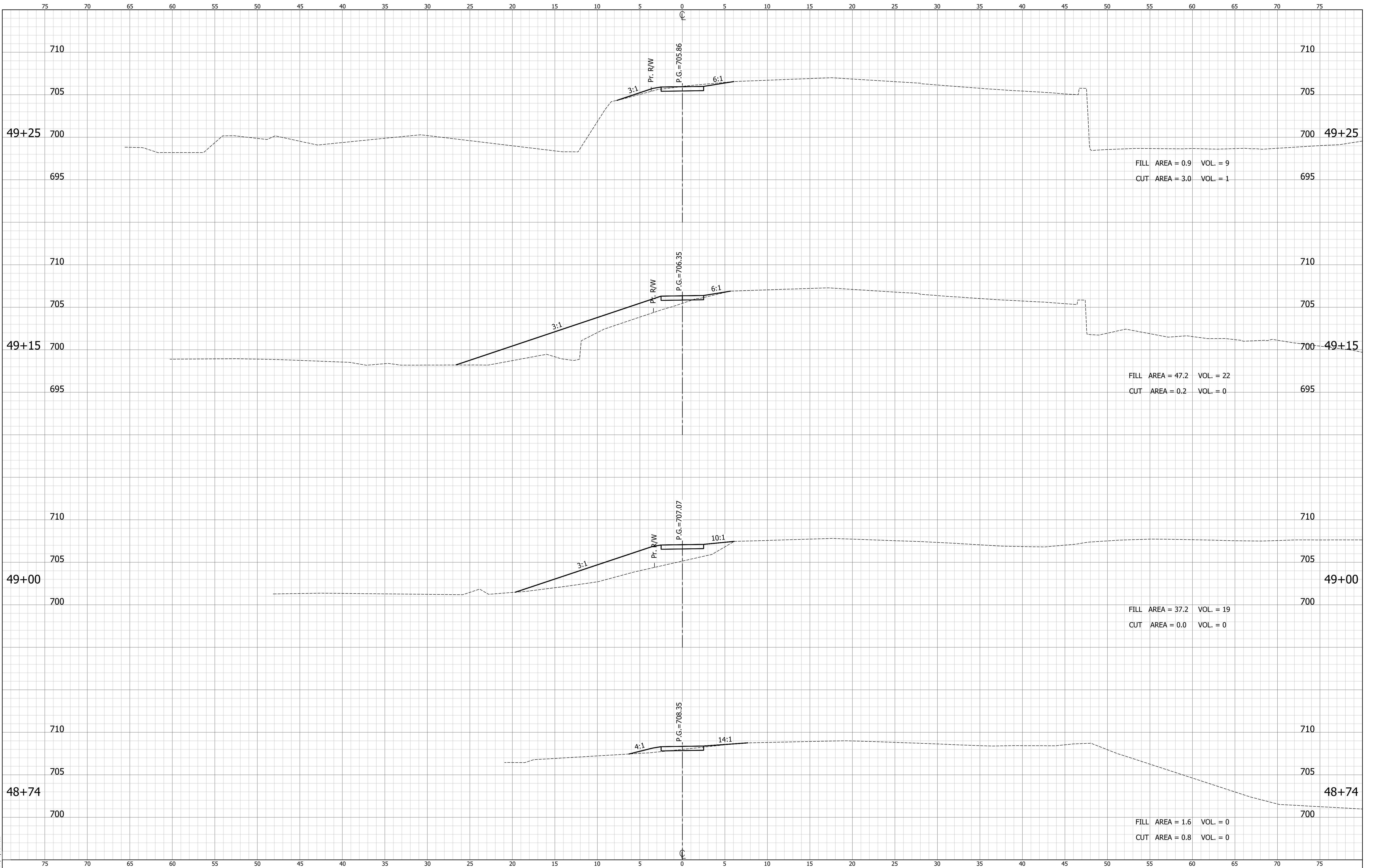
BRIDGE FILE

DESIGNATION

SHEETS

PROJECT

DIRECTORY PATH : R:\Active\Bloomington, City Of\Wrislow & Henderson\CAD\PLANS
FILE NAME : 48+74 to 49+25.dwg
DATE/USER : 02/20/17 11:43 AM / TjHornett



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DESIGN ENGINEER

DATE

DESIGNED: M.B.

DRAWN: T.B.

CHECKED: M.M.

CHECKED: M.B.

CITY OF BLOOMINGTON

CROSS SECTIONS
LINE "PC1"

HORIZONTAL SCALE

1"=5'

VERTICAL SCALE

1"=5'

SURVEY BOOK

CONTRACT

BRIDGE FILE

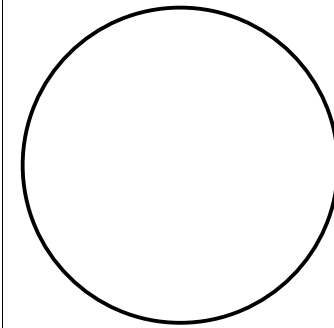
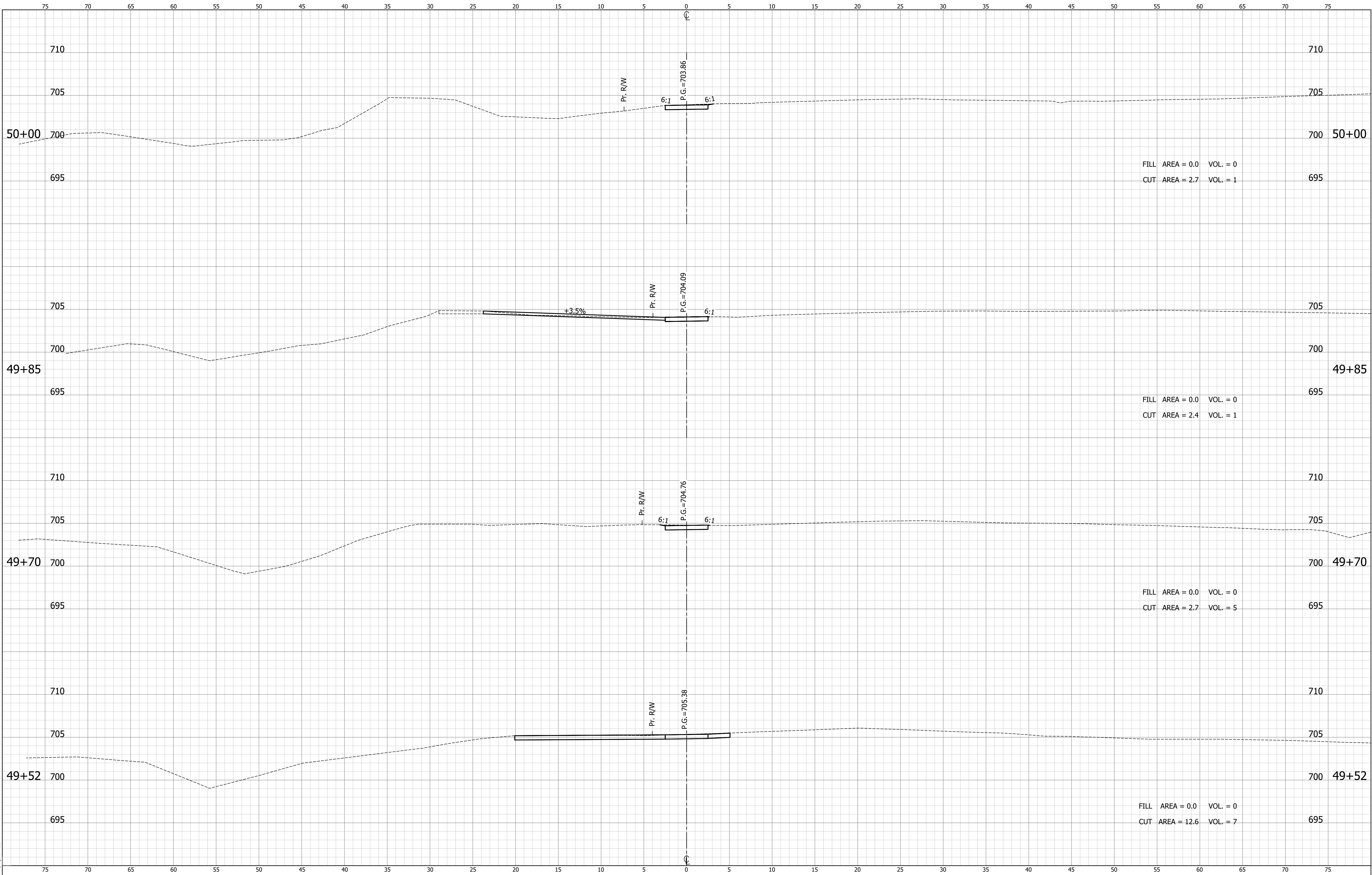
DESIGNATION

SHEETS

XS14 of XS16

PROJECT

DIRECTORY PATH : R:\Active\Bloomington, City Of\Wrislow & Henderson\CAD\PLANS
FILE NAME : 20170120_0101_0101_0101.dwg
DATE/USER : 02/20/17 11:43 AM / T\johndett



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DESIGN ENGINEER

DATE

DESIGNED: M.B.

DRAWN: T.B.

CHECKED: M.M.

CHECKED: M.B.

CITY OF BLOOMINGTON

CROSS SECTIONS
LINE "PC1"

HORIZONTAL SCALE

1"=5'

VERTICAL SCALE

1"=5'

SURVEY BOOK

CONTRACT

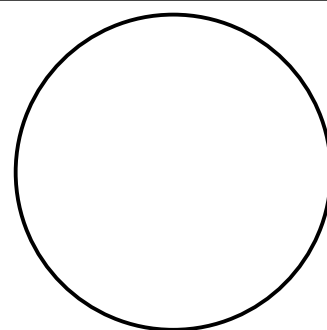
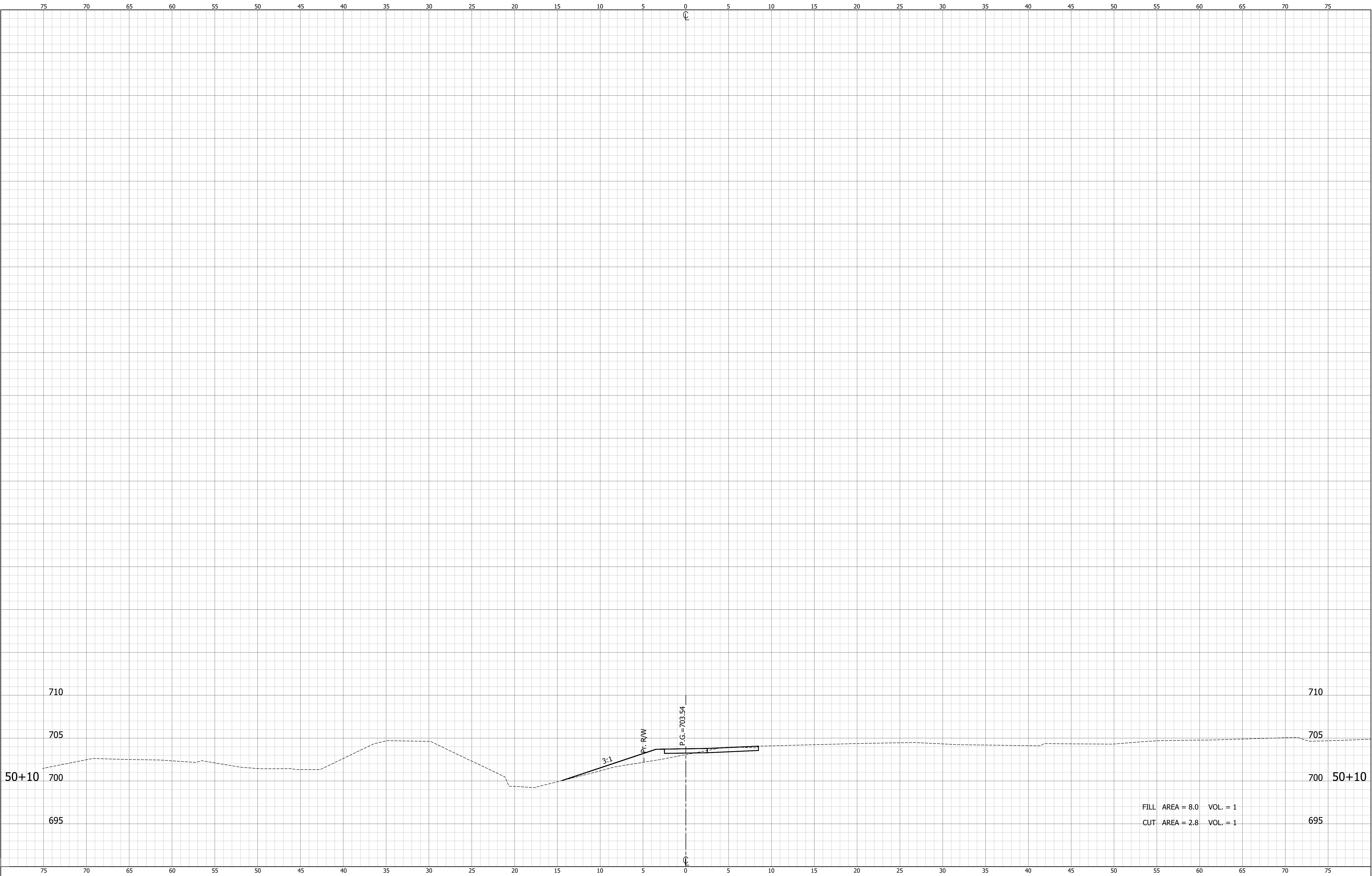
BRIDGE FILE

DESIGNATION

SHEETS

PROJECT

DIRECTORY PATH : R:\Active\Bloomington, City Of\Wrislow & Henderson\CAD\PLANS
FILE NAME : XS16
DATE/USER : 02/20/17 11:43 AM / T\johndett



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DRAWN: T.B.

CHECKED: M.M.

CHECKED: M.B.

CITY OF BLOOMINGTON

CROSS SECTIONS
LINE "PC1"

HORIZONTAL SCALE

1"=5'

VERTICAL SCALE

1"=5'

SURVEY BOOK

CONTRACT

-

BRIDGE FILE

DESIGNATION

-

SHEETS

PROJECT

-